SCI

3
82
ndex
/C

PAMPHLET BOX

U. I. C. C.
MAR 6 - 1980
LIBRARY

Physics Abstracts

Science Abstracts Series A
July-December 1979

Author Index

inspec
The Institution of Electrical Engineers

CONTENTS

Title page	i	'Small' indexes	LI1
Errata	ii	List of Journals	LJ1
Author index	A667		

SIX-MONTHLY INDEXES TO SCIENCE ABSTRACTS

Cumulative indexes to Science Abstracts are published twice a year covering the period January-June and July-December. They comprise author and subject indexes and some specialised or 'small' indexes. For Physics Abstracts and Electrical & Electronics Abstracts the Author Index and Subject Index are published as separate volumes. In this case the Small Indexes are included in the Author Index volume.

Author index

This lists in alphabetical order all authors of papers abstracted in the abstracts journal during the six months covered by the index, together with the title of the paper. Where there are co-authors of a paper the title of the paper is given only under the name of the first author. The serial number of the paper in the abstracts journal is in the form 9-12345, ie 1979—abstract no. 12345.

'Small' indexes

These are specialised indexes which allow the user to find quickly particular types of information which might be difficult to find using the subject or author indexes.

Bibliography index
In this index reference is made to articles which contain a significant list of references or bibliography on the subjects listed.

Book index
This gives details of books received and abstracted by the abstracts journal.

Conference index
This index lists conferences for which published proceedings have been received and abstracted. Reference is given to the individual papers and their serial numbers in the abstracts journal.

Corporate author index
This is an index to those items where a corporate organisation rather than an individual person is the agent primarily responsible for the publication. Such publications typically include reports of industrial firms or of government departments or research establishments. This index replaces the previous Report and Patent assignee indexes.

Physics Abstracts

Science Abstracts Series A

July-December 1979

Author Index

Physics Abstracts is published twice monthly by the Institution of Electrical Engineers. Twice-yearly subject and author indexes covering the period January-June and July-December are included in the subscription. Printed by Unwin Brothers Ltd., Old Woking, Surrey, England. Second class postage paid at Piscataway, NJ 08854 USA.

© 1980: THE INSTITUTION OF ELECTRICAL ENGINEERS

Errata

Physics Abstracts
Entry 47631 of 15th June 1979: page numbers of article should read 130–6
Entry 51900 of 2nd July 1979: page numbers should read 1073–9

Entry 73429 of 15th September 1978: author should read Arya, S. P. S.

Author Index

A, J.L.Calvo *see* Calvo A, J.L.

A, M.Faundez *see* Faundez A, M.

a la Guillaume, C.Benoiot *see* Benoiot a la Guillaume, C.

A. Santos M. do Carmo *see* M. do Carmo A. Santos

A-Moneim, M.T., Chang, Y.W. Comparisons of ICEPEL code predictions with experimental results for a flexible-pipe elbow loop 9—49772

A-Moneim, M.T. *see* Zeuch, W.R. 9—85664

Aadsen, D. *see* Cladis, P.E. 9—77730

Aadsen, D. *see* Guillon, D. 9—99061

Aagaard, E. *see* Gregg, M. 9—58104

Aahlin, P., Bakken, V., Frodesen, Alphard, K., Hulth, P.O., Yamdagni, N., Hagman, V.M., Villanen, P. Correlations between neutral strange particles from proton-proton interactions at 19 GeV/c (The Scandinavian Bubble Chamber Collaboration) 9—93468

Aalbers, A.B., den Hartog, H.W. Gadolinium-doped SrF_2: Dipole strengths and concentration effects influenced by dipole-dipole interactions 9—69718

Aalders, J.W.G. *see* Koppenaal, K. 9—67072

Aalst, R.M.van *see* van Aalst, R.M.

Aannestad, P.A., Kenyon, S.J. Temperature fluctuations and the size distribution of interstellar grains 9—71087

Aareskjold, K. *see* Lien, J.R. 9—85353

Aaron, R. Three-body phenomenology for elementary particle systems 9—80846

Aaron, R. *see* Arndt, R.A. 9—93456

Aaron, W.S., Kobisk, E.H., Quinby, T.C. Formation of cermet high-level waste forms for repository storage 9—89411

Aarons, J., MacKenzie, E.M., Bhavnani, K. Equatorial and high latitude empirical models of scintillation levels 9—58182

Aaronson, H.I. *see* Bennett, B.W. 9—60477

Aaronson, H.I. *see* Plichta, M.R. 9—74163

Aaronson, M. *see* Carney, B.W. 9—75205

Aaronson, M. *see* Mould, J. 9—101143

Aaronson, M. *see* Persson, S.E. 9—58412

Aarsnes, K. *see* Lundblad, J.A. 9—80080

Aarts, C.J.M. *see* van Hulst, K. 9—71496

Aarts, H.J.M., Engelbertink, G.A.P., Eggenhuisen, H.H., Ekstrom, L.P. High-spin yrast levels of ^{38}Ar 9—67625

Aas, J.Anders *see* Anders Aas, J.

Aase, J.K., Idso, S.B. A comparison of two formula types for calculating long-wave radiation from the atmosphere 9—53518

Aaviksoo, Ya.Yu., Saari, P.M., Tamm, T.B. Resonant Raman emission and hot luminescence of anthracene single crystals in the exciton absorption region 9—61377

Abachi, H., Molenat, J., Malbrunot, P. Continuously variable cryostat giving accurate settings at any temperature between 77 and 300K 9—67311

Abad, J., Humpert, B., van Neerven, W.L. Perturbative versus asymptotic freedom corrections in Drell-Yan processes 9—63446

Abad, J.C. *see* Rebolledo, M.A. 9—80693

Abadir, R., Edwards, F.M., Larsen, G. A feasibility study of computerized tomography radiation therapy treatment planning in transverse, coronal and saggital sections 9—62344

Abaev, A.N. *see* Umarov, G.Ya. 9—83624

Abakumov, A.A., Vikhman, V.S., Bulankin, N.K. Fast-acting television-computer unit to measure defect parameters in weld seams 9—67451

Abakumov, B.M., Granovskii, A.B., Lyubimov, G.A., Rukman, G.I., Khripchenko, I.A. Energy characteristics of Permalloy films with a band domain structure for recording optical information 9—67417

Abakumov, G.A., Anisimov, Yu.M., Pikel'ni, V.F., Polyakov, B.I., Simonov, A.P. Photodissociation of organic compound vapors pumped by pulsed laser radiation 9—98353

Abakumov, G.A., Mestechkin, M.M., Poltavets, V.N., Simonov, A.P. Short-wavelength stimulated emission limit in organic dye solutions 9—59696

Abakumov, G.A., Polyakov, B.I., Simonov, A.P. Saturated vapor pressure and absorption and fluorescence spectra of some organic compounds in the gas phase 9—76442

Abakumov, V.N., Perel, V.I., Yassievich, I.N. Capture of charge carriers by attractive centers in semiconductors 9—82602

Abakumov, V.N., Sokolova, Z.N. Optical-phonon-assested capture of carriers by attractive centers 9—51597

Abalakov, G.V., Vinogradov, B.S., Gerasimov, A.P. Application of the gas flow dimensionless characteristics method for experimental study of sonic nozzles 9—81945

Abalikhin, A.V. *see* Mil'man, Yu.V. 9—100238

Aballe, M. *see* Torralba, M. 9—100517

Abane, S.Mbom *see* Mbom Abane, S.

Abaravichyute, V., Kukshas, B., Savitskas, R. Ultrasonic investigation of the effect of chlorides on the structural properties of mixtures of water and saturated monatomic alcohols 9—86840

Abarenkov, I.V., Antonova, I.M. The electronic structure of MgO. I. Calculation method 9—56125

Abarenkov, I.V., Antonova, I.M. The electronic structure of MgO. II. Results of calculations 9—78003

Abarenkov, I.V. *see* Vedernikov, M.V. 9—65449

Abart, J. *see* Herberg, H. 9—91315

Abarzhi, I.I., Malkin, E.S., Dukhin, S.S. Nonequilibrium frontal ion adsorption dynamics in a long bed when the double layer is taken into account 9—69349

Abashian, A. *see* McCal, D. 9—89154

Abashian, A. *see* Reece, C. 9—89196

Abashidze, T.D. *see* Gvelesiani, G.G. 9—52113

Abatino, C., Luzzi, G., Papagno, L. Sputtering yield coefficients of thin copper films bombarded by 3-15 keV Ar^+ at an angle of incidence of 30° 9—65968

Abatut, J.L., Achaibou, A. Analysis and design of a field of heliostats for a solar power plant 9—83570

Abatut, J.-L. Conception and evaluation of a central solar tower system: the field of heliostats 9—57416

Abbagnaro, L.A. *see* Finger, R.A. 9—81605

Abbakumov, V.G. *see* Gropyanov, V.M. 9—74112

Abbas, D.C. Reduction of spurious baseline effects in NMR 9—75562

Abbas, M.M., Kunde, V.G., Mumma, M.J., Kostiuk, T., Buhl, D., Frerking, M.A. Stratospheric sounding by infrared heterodyne spectroscopy 9—100971

Abbas, P.J. *see* Tyler, R.S. 9—96565

Abbasov, A.A., Sadykhov, G.G. On one optimal control problem of the heat conductivity theory 9—50567

Abbasov, A.N. *see* Allakhverdiev, K.R. 9—91439

Abbate, M., Lolich, J. Neutron thermalization in heavy water—measurement and calculation of spectra 9—85582

Abbate, S., Gussoni, M. On the sign of the dipole moment derivatives in CH_3X (X=F, Cl, Br, I) 9—86082

Abbate, S., Gussoni, M., Zerbi, G. Infrared and Raman intensities of polyethylene and perdeuteropolyethylene: factor group splittings 9—65851

Abbati, I., Braicovich, L., Ciucci, G., Perfetti, P. Ultraviolet photoelectron spectroscopy investigation of the interaction of Te with Zn (0001) 9—91563

Abbati, I., Braicovich, L., Powell, R.A. UV photoemission of the zinc/oxygen system: time evolution of oxygen-derived structure 9—100296

Abbe, D., Caudron, R., Costa, P. Phonon specific heat near the martensitic transformation in a cubic CuZnAl alloy 9—60521

Abbe, D., Caudron, R., Costa, P. Phonon enhancement of the electronic specific heat near the martensitic transformation in Ti(Ni,Co) cubic B_2 alloys 9—60522

Abbiss, J.B. The structure of the Doppler-difference signal and the analysis of its autocorrelation function 9—50830

Abbott, D. *see* Lamorte, M.F. 9—79396

Abbott, D.T., Mix, M.C. Radiation effects of tritiated seawater on development of the goose barnacle, Pollicipes polymerus 9—66486

Abbott, G. *see* Gozani, T. 9—93721

Abbott, J.G., Thurstone, F.L. Multi-scan processing in a phased array imaging system 9—57736

Abbott, L.F., Barnett, R.M. Neutral-current quark coupling determination using neutrino-neutron and neutrino-proton deep-inelastic cross sections 9—89122

Abbott, R.J., Oxtoby, D.W. Exchange dephasing and motional narrowing of vibrational modes 9—68222

Abbott, S., Chupp, W., Faltens, A., Hongchul Kim, C., Rosenblum, S., Shiloh, J., Herrmannsfeldt, W., Hoyer, E., Keefe, D. Large aperture contact ionized Cs^{+1} ion source for an induction linac 9—76229

Abbott, S.M. Measurements of spatial distribution of long-wavelength radiation from GaAlAs injection lasers 9—76686

Abboud, J.-L.M., Taft, R.W. An interpretation of a general scale of solvent polarities. A simplified reaction field theory modification 9—91913

Abbundi, R., Clark, A.E. Temperature dependence of the magnetostriction and magnetization in single crystal $HoFe_2$ 9—73795

Abbundi, R. *see* Mitchell, M.A. 9—73790

Abbundi, R. *see* Savage, H.T. 9—78491

Abd el Haleem Ain el Hiah *see* Ain el Hiah Abd el Haleem

Abd El Kader, J.M., Shams El Din, A.M. Film thickening on nickel in aqueous solution in relation to anion type and concentration 9—96180

Abd El Kader, J.M. *see* Abd El Wahab, F.M. 9—52426

Abd El Wahab, F.M., Abd El Kader, J.M., El Shayeb, H.A., Shams El Din, A.M. On the pitting corrosion of tin in aqueous solutions 9—52426

Abdalla, M. *see* Carenco, A. 9—76878

Abdel-Halim, M.N. Effects of ionizing radiation and partial hepatectomy on messenger RNA synthesis 9—92144

Abdel-Kader, A. *see* Elmanharawy, M.S. 9—61437, 9—91484

Abdel-Kawy, A. *see* Adib, M. 9—85466

Abdel-Khalik, S.I. *see* Conn, R.W. 9—71974, 9—85793

Abdel-Khalik, S.I. *see* Hunter, T.O. 9—76133

Abdel-Khalik, S.I. *see* Ragheb, M.M.H. 9—81088, 9—85794

Abdel-Monehm, H.M. *see* Hassan, M.Y.M. 9—71792

Abdel-Monem, S.A., Rockenbauer, A., Tudos, F. Solvent effects of ESR spectra of neutral nitroxide free radicals. I. Localized solvent-radical adducts in mixtures 9—96290

Abdel-Raouf, H., Topper, T.H., Plumtree, A. The influence of interparticle spacing on cyclic deformation and fatigue crack propagation in an aluminium-4 pct copper alloy 9—61717

Abdel-Raouf, M.A. Upper and lower bounds for ground-state energies in the helium isoelectronic sequence 9—85894

Abdel-Salam, M., Taschner, W. Negative partial-discharge inception voltage in compressed SF_6 9—94829

Abdelazeez, M.K., Peach, L.C., Borkar, S.R. Scattering of electromagnetic waves from moving surfaces 9—89834

Abdelaziz, B. *see* Cauchois, Y. 9—75905

Abdelhafez, T. *see* Gampert, B. 9—86417

Abdelmalek, N.N., Kasvand, T. Image restoration by Gauss LU decomposition 9—76600

Abdelmeguid, A.M., Spalding, D.B. Turbulent flow and heat transfer in pipes with buoyancy effects 9—90253

Abdelmessih, A.H. *see* Johnson, W.R. 9—92456, 9—96598

Abdelrahman, M., Fumeaux, P., Suter, P. Study of solid-gas-suspensions used for direct absorption of concentrated solar radiation 9—66415

Abderrassoul, R. *see* Chu, T.L. 9—57426

Abdi, S.M., Weigel, M.K. Treatment of the random-phase-approximation including continuum 9—59024

Abdikamalov, B.A., Aptekar', I.L., Sergeeva, V.M., Tonkov, E.Yu. X-ray diffraction investigation of phase transitions in $Sm_{0.85}Gd_{0.15}S$ 9—95333

Abdikamalov, B.A., Ivanov, V.I., Shekhtman, V.Sh., Shmyt'ko, I.M. Investigation of a low-temperature structural transition in proustite crystals 9—69245

Abdinov, A.Sh., Kyazym-Zade, A.G., Akhmedov, A.A. Negative residual photoconductivity of p-type GaSe single crystals 9−51632

Abdinov, O.B., Bairamov, A.A., Budagov, Yu.A., Valkar, S., Dvornik, A.M., Lomakin, Yu.F., Flyagin, V.B., Kharzheev, Yu.N. On mechanism of proton emission into backward hemisphere in pion-carbon interactions at 5 GeV/c 9−89334

Abdivaliev, A., Beshliu, K., Gasparyan, A.P., Gruia, S., Ierusalimov, A.P., Kopylova, D.K., Kotorobai, F., Moroz, V.I., Nikitin, A.V., Troyan, Yu.A. Observation of singularity in effective mass distributions of the combinations $p\pi^+\pi^+$ ($n\pi^-\pi^-$) in the reaction $np\to p\pi^+\pi^+\pi^-\pi^-n$ at $p_n=5.10\pm0.17$ GeV/c 9−67569

Abdivaliev, A., Beshliu, K., Gasparyan, A.P., Gruia, S., Ierusalimov, A.P., Kopylova, D.K., Kotorobai, F., Moroz, V.I., Nikitin, A.V., Troyan, Yu.A. Observation of anomaly in spectrum of effective masses of $\pi^+\pi^-$ with $M_{\pi+\pi-}=0.40$ GeV/c^2 and $\Gamma<0.03$ GeV/c^2 in reaction $np\to d\pi^+\pi^-$ at neutron momentum $p_n=1.73$ GeV/c 9−67570

Abdivaliev, L., Angelov, N., Gasparian, A.P., Gramenitskii, I.M., Grigalashvili, N., Zubarev, A.N., Kanarek, T., Kirillov, A.D., Korzhev, N.A., Kotov, V.I., Kochurov, A.G., Lednitskii, R., Lyubimov, V.B., Nezhdanova, S.A., Nikitin, A.V., Rogal, A.A., Smirnov, N.A., Sokolov, V.P., Solov'ev, M.I., Troyan, Yu.A. Search for unusual decays of superdense nuclei by waves of a two meter hydrogen and two meter propane bubble chambers 9−93568

Abdou, M. *see* Gohar, Y. 9−67950

Abdou, M.A., Ehst, D., Maroni, V., Stacey, W.M., Jr. Impact of major design parameters of the economics of Tokamak power plants 9−76141

Abdou, M.A., El-Derini, Z. Material and design options for superconducting TF magnets in Tokamaks 9−85801

Abdou, M.A. *see* Stacey, W.M., Jr. 9−71967

Abdrakhmanov, R.Kh. *see* Kuindzhi, V.V. 9−50454

Abdrashitova, E.I., Khodakovskaya, R.Ya. Paramagnetic-center formation during crystallization of a glass of the Na_2O-Al_2O_3-TiO_2 system containing NiO 9−65710

Abdrashitova, E.I., Khodakovskaya, R.Ya. An ESR study of paramagnetic-defect formation during crystallization of aluminosilicate glasses containing Cr_2O_3, TiO_2, and Nb_2O_5 9−65739

Abdrashitova, E.I., Khodakovskaya, R.Ya., Donskaya, T.D. Impurity Sn^{3+} centers in Li_2O-Al_2O_3-SiO_2-TiO_2 matrix 9−99752

Abduazizov, A. *see* Umarov, G.Ya. 9−83624

Abduev, A.Kh. *see* Kazhlaev, M.A. 9−99924

Abduev, A.Kh. *see* Semiletov, S.A. 9−95530

Abdulla, A.A. *see* Fadel, M.A. 9−59269

Abdullabekov, K.N. *see* Shapiro, V.A. 9−57859

Abdullaev, A.H. *see* Iskender-zade, Z.A. 9−56312

Abdullaev, A.M. *see* Mishchenko, E.D. 9−55001, 9−93233

Abdullaev, A.Sh., Aliev, Yu.M., Bychenkov, V.Yu., Stefan, V. Magnetic instability of laser-produced plasma and spontaneous generation of magnetic fields 9−60164

Abdullaev, G.B., Allakhverdiev, K.R., Nani, R.Kh., Salaev, E.Yu., Tagyev, M.M. Neutron diffraction, infrared, and Raman scattering investigations of the layered GaS_xSe_{1-x} system 9−87443

Abdullaev, G.B., Belen'kii, G.L., Nani, R.Kh., Neiman-zade, I.K., Salaev, E.Yu. Photostimulated oscillations of a semiconductor plate in an electric field 9−65799

Abdullaev, G.B., Iskenderzade, Z.A., Dzhafarova, E.A., Tagirov, V.I., Agasiev, A.A., Sobeikh, M.A., Salmanov, V.M., Yaroshetskii, I.D. Fabrication of semiconductor heterostructures with the aid of laser radiation 9−73580

Abdullaev, G.B., Vodopyanov, L.K., Allakhverdiev, K.R., Golubev, L.V., Babaev, S.S., Salaev, E.Yu. Raman spectra of α-GaTe single crystals 9−99883

Abdullaev, M.N., Pashaev, Kh.M., Seidov, Yu.M. Impurity states of the semi-infinite magnetic crystal 9−51647

Abdullaev, R.M., Tontegode, A.Ya., Yusifov, F.K. Adsorption and condensation of samarium on iridium 9−69362

Abdullaev, R.M., Tontegode, A.Ya., Yusifov, F.K. Adsorption and initial stages of condensation of samarium on iridium covered with a monolayer of graphite 9−69366

Abdullaeva, A.G. *see* Shakaryan, E.S. 9−67377

Abdullayev, B., Bunazarov, D.B., Pugacheva, T.S. Evaluation of the effect of ionic implantation on the secondary electron emission of Ni and Mo 9−91544

Abdulsabirov, R.Yu., Gorlov, A.D., Stepanov, V.G., Meiklyar, V.P., Falin, M.L., El'man, B.S. Superhyperfine interaction of Yb^{3+} in PbF_2 9−73856

Abdulsabirov, R.Yu., Konov, I.S., Korableva, S.L., Lukin, S.N., Tagirov, M.S., Teplov, M.A. Magnetic resonance in the Van Vleck paramagnets $Tm(C_2H_5SO_4)_3.9H_2O$ and $LiTmF_4$ on uniaxial and uniform compression 9−61243

Abduzhamilov, Sh. *see* Azimov, S.A. 9−80857

Abdyldayev, E.K. *see* Fadeev, A.B. 9−66691

Abe, H., Itatani, R., Momota, H. Propagation and plasma heating of the lower hybrid wave in the nonuniform density plasma 9−90402

Abe, H., Keer, L.M., Mura, T. Theoretical study of hydraulically fractured penny-shaped cracks in hot, dry rocks 9−62491

Abe, H., Nagashima, S., Hayami, S., Nakaoka, K. Texture problem in deep-drawing steels in particular after processing through continuous annealing 9−87659

Abe, H., Schulze, W. The sorption capacity of solid rare gas layers 9−90865

Abe, H. *see* Ito, K. 9−83252, 9−100170

Abe, H. *see* Nakamura, T. 9−96589

Abe, J. *see* Morita, S. 9−54638

Abe, K. Size of great earthquakes of 1837-1974 inferred from tsunami data 9−79745

Abe, K., Abe, T. Recurrence of initial state of the Korteweg-de Vries equation 9−92924

Abe, K. *see* Ratner, L.G. 9−67608

Abe, K. *see* Sato, M. 9−95098

Abe, K. *see* Shimoyamada, H. 9−100555

Abe, K. *see* Takeuchi, M. 9−87174

Abe, K. *see* Yamamoto, K. 9−78668

Abe, M., Kaneta, K., Gomi, M., Nomura, S. Magnetic and Mossbauer studies of $FeNi_2BO_5$ and $FeNiBO_4$ 9−65661

Abe, M. *see* Gomi, M. 9−61341

Abe, M. *see* Nomura, S. 9−51885

Abe, N. *see* Shimzu, H. 9−65186

Abe, R. Some remarks on the n=0 problem in critical phenomena 9−97332

Abe, R. *see* Tsuchida, K. 9−61205

Abe, S., Tohmine, K., Miyazaki, M. On the Rossby regime in rotating annulus experiment 9−66709

Abe, S., Yamagishi, Y., Tomioka, Y., Kitagawa, H., Kanamori, A. Several problems of LMFBR plant component 9−63734

Abe, S. *see* Kaneko, T. 9−51488

Abe, T. Analytical developments in crystal plasticity 9−60424

Abe, T., Oguchi, H. A hierarchy kinetic model and its applications 9−98758

Abe, T., Sasaki, T., Yamashina, T. Preparation of molybdenum films by means of hydrogen reactive sputtering 9−95929

Abe, T. *see* Abe, K. 9−92924

Abe, T. *see* Kawata, S. 9−97471

Abe, T. *see* Sakata, Y. 9−83581

Abe, T. *see* Tomita, Y. 9−88026

Abe, V., Kestin, J., Khalifa, H.E. Viscosity of natural gases 9−90363

Abe, Y. Rare $K^*\pi$- and strong $K^-\rho^+$-signals in D-meson decays and some evidence for $(\bar{c}s)_R$ current 9−71745

Abe, Y., Bando, M., Fujii, K., Okazaki, T. Violation of the $\Delta I=1/2$ rule and the Melosh transformation 9−93377

Abe, Y., Fujii, K., Honda, K., Hoshino, Y., Iwata, K., Hirano, M., Murota, T. Small component effects of constituent quark spinors. Ordinary and heavy vector meson decays into $e\bar{e}$ 9−85279

Abe, Y., Irie, N., Okura, Y. Sodium test of bellows expansion joints 9−67850

Abe, Y., Kestin, J., Khalifa, H.E., Wakeham, W.A. The viscosity of normal butane, isobutane and their mixtures 9−86550

Abe, Y., Kondo, Y., Matsuse, T. Intermediate structure in $^{12}C+^{12}C$ elastic scattering 9−54425

Abe, Y. *see* Honda, K. 9−54339

Abe, Y. *see* Imai, S. 9−81659

Abe, Y. *see* Kondo, Y. 9−54424

Abe, Y. *see* Okabe, S. 9−71788

Abe, Y. *see* Okubo, N. 9−99789

Abe, Y. *see* Tsushima, Y. 9−97850

Abecasis, S.M., Carcione, J.M. Classical semimicroscopic model applied to doubly even titanium isotopes 9−59012

Abegg, R., Birchall, J., Davison, N.E., de Jong, M.S., Ginther, D.L., Hasell, D.K., Nasr, T.N., van Oers, W.T.H., Carlson, R.F., Cox, A.J. Measurement of the proton total reaction cross section for ^{159}Tb, ^{181}Ta and ^{197}Au between 20 and 48 MeV 9−80934

Abel, F. *see* Schmaus, D. 9−86828

Abel, G. *see* Kushneriuk, S.A. 9−59262

Abel, J.F. *see* Loganathan, K. 9−90160

Abel, R.B. Careers in oceanography 9−80393

Abele, J., Raidt, H., Jessen, W., Kirschmer, R. The influence of meteorological parameters on atmospheric transmission at 10.6 μm (CO_2-laser radiation) and 0.63 μm (HeNe-laser radiation) from measurements and calculations 9−58093

Abeles, F. *see* Lopez-Rios, T. 9−78770

Abell, G.C., Bowman, R.C., Jr. EPR studies of paramagnetic rhodium centers in LiH and LiD 9−65724

Abell, G.O., Margon, B. A kinematic model for SS433 9−75226

Abell, J.S., Hendy, P., Lee, E.W., Al-Rawi, K. Magnetostriction of $NdAl_2$ 9−99745

Abell, J.S., Lee, E.W., del Moral, A. Preferred domain orientation and microstructural defects in ErZn 9−73769

Abell, M.T., Dollberg, D.D. A quantitative analysis software package for use with the APD 3500 9−50947

Abellanas, L., Alonso, L.M. Invariants in enveloping algebras under the action of Lie algebras of derivations 9−49015

Abellanas, L., Galindo, A. Conserved densities for nonlinear evolution equations. I. Even order case 9−71256

Abels-van Maanen, A.E.P.M., Weenink, M.P.H. Collisionless damping of Alfven waves in an inhomogeneous plasma: solution of the initial value problem 9−64864

Abel'skii, Sh.Sh. *see* Raevskaya, L.T. 9−69494

Abenoza, M., Armengaud, A., Rault, J. Low temperature crystallization in polybutene-1: a Raman study 9−99875

Abenoza, M. *see* Luu Dang Vinh 9−69825

Aberdam, D. *see* Ganachaud, J.P. 9−99996

Aberdam, D. *see* Mischler, J. 9−61475

Aberdam, D. *see* Raffat, E. 9−82384

Aberg, L. *see* Bengtsson, G. 9−53248

Aberin, Yu.I. *see* Bogachev, I.N. 9−52444

Aberle, W., Grosser, J., Kruger, W. Integral cross sections for free electron production in atom-atom collisions 9−89754

Abermann, R., Koch, R., Kramer, R. Electron microscope structure and internal stress in thin silver and gold films deposited onto MgF_2 and SiO substrates 9−87026

Abernathey, J.R., Greenwell, D.W., Rosenberger, F. Congruent (diffusionless) vapor transport 9−78859

Abesalashvili, L.N., Amaglobeli, N.S., Chargeishvili, M.S., Chiladze, B.G., Garsevanishvili, V.R., Koutsidi, N.K., Salukvadze, R.G., Thevzadze, Yu.V., Tsivtsivadze, E.T., Shoshiashvili, S.S. Inclusive analysis of π^-p interactions in terms of 'light cone' variables 9−80856

Abessonova, L.N., Dobrovol'skii, V.N., Zharkikh, Yu.S. Kinetics of conductivity appearance and disappearance in germanium cleavage surfaces 9−51654

Abessonova, L.N., Dobrovol'skii, V.N., Zharkikh, Yu.S. Influence of the degree of doping of bulk germanium on the characteristics of its surface states 9−69577

Abessonova, L.N., Dobrovolskii, V.N., Zharkikh, Yu.S. Influence of bulk impurities on characteristics of local surface states at cleaved germanium surface 9−78150

Abhat, A. Performance studies of a finned heat pipe latent thermal energy storage system 9−57487

Abhat, A. *see* Heine, D. 9−57479

Abidi, A.A., Chua, L.O. On the dynamics of Josephson-junction circuits 9−73635

Abidine Amri, Z.El *see* El Abidine Amri, Z.

Abidor, I.G., Arakelyan, V.B., Pastushenko, V.F., Tarasevich, M.R., Chernomordik, L.V., Chizmadzhev, Yu.A. Electrical breakthrough of bilayer lipid membranes 9−70531

Abidor, I.G. *see* Chernomordik, L.V. 9−92161

Abidov, T.Z. *see* Umarov, G.Ya. 9−83621

Abilov, Ch.I. *see* Alidzhanov, M.A. 9−51738

Abil'siitov, G., Antonova, L.I., Artamonov, A.V., Golubev, V.S., Dropyazko, S.V., Egorov, Yu.A., Katsuro, N.I., Kazhidub, A.V., Lebedev, F.V., Senatorov, Yu.M., Sidorenko, E.M., Sumerin, V.V., Turundaevskii, V.B., Frolov, V.M. Optimization of technological closed-cycle CO_2 laser to 10 kW power 9−94254

Abitbol, C. Transmission and refractive index of negative photoresists KMR-747 in the infrared between 2 and 10 μm 9−76780

Abitbol, C. *see* Guy, J. 9−76601

Abitbol, C.I. *see* Clair, J.J. 9−76644

Abkowitz, M. Time-resolved dark injection from various metals into an amorphous semiconductor 9−91139

Abkowitz, M., Enck, R.C. Frequency-dependent electrical behavior of polycrystalline trigonal selenium and its relationship to xerographic performance of selenium particle contact photoreceptors 9−82640

Ablart, G. *see* Bourdel, D. 9−61208

Ablekov, V.K., Belyaev, V.S., Vinogradov, V.I., Marchenko, V.G., Marchenko, V.M., Prokhorov, A.M. Emission field of a neodymium-glass laser with a grid mirror 9−55142

Ablogin, M.I. *see* Zotov, Yu.P. 9−87751

Ablov, A.V. *see* Kuntsevich, T.S. 9−82189, 9−82190, 9−86774

Ablow, C.M., Wise, H. Equilibrium segregation in metal-sulfur system 9−90883

Ablowitz, M.J., Cornille, H. On solutions of the Korteweg-de Vries equation 9−84964

Ablowitz, M.J., Kruskal, M., Segur, H. A note of Miura's transformation 9−75356

Ablowitz, M.J., Kruskal, M.D., Ladik, J.F. Solitary wave collisions 9−80761

Ablowitz, M.J., Segur, H. On the evolution of packets of water waves 9−72902

Ablowitz, M.J. *see* Satsuma, J. 9—92955, 9—97217
Abo-Salama, A.A. *see* El-Raghy, S.M. 9—61520
Abo-Zena, A. Dispersion function computations for unlimited frequency values 9—74848
Aboaf, J.A. *see* Gangulee, A. 9—73782
Aboelfotoh, M.O. The structure of MgO films on NaCl-type alkali halides 9—82490
Abolin'sh, Ya.Ya., Karpov, S.V., Shultin, A.A. Raman scattering in ammonium nitrate in the region of an extended IV-V phase transition 9—99887
Aboltis'sh, E.E., Larionova, N.E. Microwaves reflection from p-n structure 9—95481
Aborina, I.N., Lunin, G.L. Method of reading plutonium detectors in activation analysis 9—93896
Abosov, S.A., Mekhtieva, S.I., Akhmedov, K.R., Ragimov, Ya.R., Ismailov, I.M. An investigation of selenium on the effect of the electrical and mechanical strength of the polymer materials (rubber and polyethylene) and the process of the electrical and mechanical ageing 9—52396
Abou El Ela, A.H., Afifi, H.H. Hopping transport in organic semiconductor system 9—60828
Abou-Chacra, R. *see* Chamoun, E. 9—76488
Abou-el-leil, M., Cooper, A.R. Analysis of field-assisted binary ion exchange 9—99349
Abou-El-Leil, M. *see* Sane, A.Y. 9—61750
Abou-Leila, M.A.A., Berceanu, I., Borcea, C., Brincus, I.M., Buta, A., Constantinescu, A., Galawez, K., Grama, C., El-Kameesy, S.U., Lazar, I., Mihai, I., Petrascu, M., Petrovici, M., Simion, V., Voiculescu, G. A new method for the absolute determination of thermal neutron fluxes 9—85576
Abou-Zeid, O. *see* Debenham, P. 9—67622
Aboudi, J. The impact-contact problem of two nonlinearly elastic bodies 9—98669
Aboutajdine, D., El Abidine Amri, Z., Najim, M., Postaire, J.-G. A phase plane method for the analysis of seismic signals 9—66843
Abovyan, E.S., Myasnikova, R.M., Kitaigorodskii, A.I. The binary molecular system durene-para-dibromobenzene 9—55734
Abragam, A. Polarized targets in high energy and elsewhere 9—68065
Abragam, A., Bouffard, V., Roinel, Y., Goldman, M. Nuclear magnetic ordering 9—65654
Abragam, A. *see* Glattli, H. 9—75982
Abraham, D., Deutscher, G., Rosenbaum, R., Wolf, S. Magnetic penetration depth in granular Al-Al_2O_3 films 9—56378
Abraham, D.B. Comment on 'Ising-model surface tension using real-space renormalization-group methods' 9—73760
Abraham, E., Bullough, R.K., Hassan, S.S. Space and time-dependent effects in optical bistability 9—55173
Abraham, F., Trehoux, J., Thomas, D. Preparation and structural study of a new compound containing the $M_{12}O_{36}$ cluster: $La_3Ir_3O_{11}$ 9—51084
Abraham, F., Trehoux, J., Thomas, D. $La_3Os_2O_{10}$, a new compound containing isolated clusters Os_2O_{10} with metal-metal bonds 9—86753
Abraham, F. *see* Tudo, J. 9—73146
Abraham, F.F. Experimental verification of the spinodal curve 9—55625
Abraham, F.F. On the thermodynamics, structure and phase stability of the nonuniform fluid state 9—77475
Abraham, F.F., Nan-Hsiung Tsai, Pound, G.M. Bond and strain energy effects in surface segregation 9—74161
Abraham, F.F., Tsai, N.-H., Pound, G.M. Bond and strain energy effects in surface segregation: an atomic calculation 9—69256
Abraham, G. Analysis and synthesis of instrument system based on light current measurement 9—92030
Abraham, K.M. *see* Rauh, R.D. 9—100510
Abraham, K.P. *see* Rohatgi, P.K. 9—61578
Abraham, M.H., Liszi, J., Meszaros, L. Calculations on ionic solvation. III. The electrostatic free energy of solvation of ions, using a multilayered continuum model 9—57282
Abraham, M.M. *see* Boldu, J.L. 9—77598
Abraham-Ibrahim, S., Caroli, B., Caroli, C., Roulet, B. Effect of interactions on deep-hole interferences in photon-induced Auger emission from solids 9—95900
Abraham-Shrauner, B., Asbridge, J.R., Bame, S.J., Feldman, W.C. Proton-driven electromagnetic instabilities in high-speed solar wind streams 9—53701
Abrahams, S.C., Bernstein, J.L. A miniature device for compressive stress applications 9—93115
Abrahams, S.C., Bernstein, J.L., Svensson, C. Crystal structure and absolute piezoelectric d_{14} coefficient in laevorotatory $Bi_{12}SiO_{20}$ 9—94974
Abrahams, S.C., Svensson, C., Tanguay, A.R., Jr. Crystal chirality and optical rotation sense in isomorphous $Bi_{12}SiO_2$ and $Bi_{12}GeO_{20}$ 9—61327
Abrahams, S.C. *see* Lissalde, F. 9—55882
Abrahamson, J. *see* Wiles, P.G. 9—52245
Abram, I.I., Hochstrasser, R.M., Kohl, J.E., Semack, M.G., White, D. Coherence loss for vibrational and librational excitations in solid nitrogen 9—86852
Abramchuk, G.A. Amplitude-frequency characteristics of pasted semiconductor strain gauges 9—97379
Abramchuk, G.A., Vashchenko, A.P., Stepanov, G.W. A method of determining the transient response of a strain gauge 9—93132
Abramenko, B. Cosmological model with inhomogeneous space and nonuniform time 9—58452
Abramenko, B.A. *see* Palatnik, L.S. 9—51824
Abramenko, Yu.E., Aptekar', L.I., Tiskovich, N.L. Conditions of stability of the structure of Ni-resist alloys 9—87633
Abramenkov, A.D., Pechenezhskii, V.I., Shakhtin, D.M. Thermal expansion of carbon-containing and graphitized refractories 9—82362
Abramkina, I.V. *see* Velichko, G.V. 9—89023
Abramov, D.I., Kazakov, A.Ya., Ponomarev, L.I., Slavyanov, S.Yu., Somov, L.N. Phaseshifts in the Coulomb two-centre problem 9—63069
Abramov, I.V. *see* Kireev, V.B. 9—74143
Abramov, I.Ya. *see* Rizakhanov, M.A. 9—73999
Abramov, O.V. *see* Kireev, V.B. 9—74143
Abramov, V.A., Gervids, V.I., Krupin, V.A., Disitsa, V.S. Radiation losses at impurities and the parameter $n_e\tau$ of a thermonuclear plasma with injection of fast neutrals 9—68908
Abramov, V.A. *see* Orlova, G.M. 9—65210
Abramov, V.N., Karin, M.G., Kuznetsov, A.I., Sidorin, K.K. Electronic band structure and optical properties of Al_2O_3 9—95329
Abramov, V.P., Kuleshov, A.S., Kuleshov, V.K. Angular distribution of intensity and dose characteristics of pulsed X-ray tubes with a thermoemissive cathode 9—67450
Abramova, V.N. *see* Polyakov, D.A. 9—87671
Abramovich, B.S. On the effective dielectric permeability of a strongly inhomogeneous medium 9—94771
Abramovich, G.N., Krasheninnikov, S.Yu., Sekundov, A.N. Non-self-similar turbulent jets 9—98770
Abramovich, H., Singer, J. Correlation between vibration and buckling of stiffened cylindrical shells under external pressure and combined loading 9—50629
Abramovich, M. *see* Nicola, J.H. 9—61364
Abramovskaya, T.A., Zviadadze, M.D. On effects of the dipole reservoir in radiofrequency discrete saturation 9—56626
Abramowitz, S. *see* Kurylo, M.J. 9—52673
Abrams, E.B., Sumski, S., Bonner, W.A., Coleman, J.J. Be doping of liquid-phase-epitaxial InP 9—90694
Abrams, G.S., Alam, M.S., Blocker, C.A., Boyarski, A.M., Breidenbach, M., Broll, C.H., Burke, D.L., Carithers, W.C., Chinowsky, W., Coles, M.W., Cooper, S., Dieterle, W.E., Dillon, J.B., Dorenbosch, J., Dorfan, J.M., Eaton, M.W., Feldman, G.J., Franklin, M.E.B., Gidal, G., Goldhaber, G., Hanson, G., Hayes, K.G., Himel, T., Hitlin, D.G., Hollebeek, H.J., Innes, W.R., Jaros, J.A., Jenni, P., Johnson, A.D., Kadyk, J.A., Lankford, A.J., Larsen, R.R., Luke, D., Luth, V., Millikan, R.E., Nelson, M.E., Pang, C.Y., Patrick, J.F., Perl, M.L., Richter, B., Russell, J.J., Scharre, D.L., Schindler, R.H., Schwitters, R.F., Siegrist, J.L., Strait, J., Taureg, H., Tonutti, M., Trilling, G.H., Vella, E.N., Vidal, H.A., Videau, I., Weiss, J.M., Zaccone, H. Observation of Cabibbo-suppressed decay $D^0 \to \pi^-\pi^+$ and $D^0 \to K^-K^+$ 9—89149
Abrams, G.S., Alam, M.S., Blocker, C.A., Boyarski, A.M., Breidenbach, M., Broll, C.H., Burke, D.L., Carithers, W.C., Chinowsky, W., Coles, M.W., Cooper, S., Couchman, B., Dieterle, W.E., Dillon, J.B., Dorenbosch, J., Dorfan, J.M., Eaton, M.W., Feldman, G.J., Fischer, H.G., Franklin, M.E.B., Gidal, G., Goldhaber, G., Hanson, G., Hayes, K.G., Himel, T., Hitlin, D.G., Hollebeek, R.J., Innes, W.R., Jaros, J.A., Jenni, P., Johnson, A.D., Kadyk, J.A., Lankford, A.J., Larsen, R.R., Luke, D., Luth, V., Martin, J.F., Millikan, R.E., Nelson, M.E., Pang, C.Y., Partrick, J.F., Perl, M.L., Richter, B., Russel, J.J., Scharre, D.L., Schindler, R.H., Schwitters, R.F., Shannon, S.R., Siegrist, J.L., Strait, J., Taureg, H., Telnov, V.I., Tonutti, M., Trilling, G.H., Vella, E.N., Vidal, R.A., Videau, L., Weiss, J.M., Zaccone, H. Measurements of the radiative width of the η' in two-photon interaction at SPEAR 9—89174
Abrams, G.S. *see* Rapidis, P.A. 9—75780
Abrams, J.H. *see* Weaver, J.C. 9—61930
Abrams, R. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Abrams, R.L. *see* Lind, R.C. 9—64271
Abrams, R.L. *see* Pinnow, D.A. 9—59804
Abrams, S.G., Monley, C., Levitsky, S. Characterization of cardiovascular system dynamics by generation of programmed premature contractions 9—88113
Abramski, K.M. Inverted Bennett hole exhibited by a laser with an extracavity absorption cell 9—64292
Abramson, B.M. *see* Fishbeyn, G.A. 9—77227
Abramson, J. *see* Nelson, C.A., Jr. 9—63486
Abramson, N., Bjelkhagen, H. Sandwich hologram interferometry. V. Measurement of in-plane displacement and compensation for rigid body motion 9—98312
Abramson, N., Bjelkhagen, H., Skande, P. Sandwich holography for storing information interferometrically with a high degree of security 9—76631
Abramson, P.B., Sienicki, J.J. The value of distributed particle in cell techniques 9—59196
Abramson, P.B. *see* Garner, P.L. 9—85668
Abramson, P.B. *see* Hakim, S.J. 9—81023
Abramson, P.B. *see* Sienicki, J.J. 9—49767, 9—59195
Abramyan, E.A., Ivanov, L.I., Kazilin, E.E., Polyakov, V.A. Apparatus for the investigation of the creep of refractory materials in vacuum and in rarefied gas flows 9—91864
Abramyan, M.G. Density waves in embedded disks 9—88734
Abramyan, M.G. The stability of cold self-gravitating inserted discs 9—92860
Abramyan, V.K. *see* Buzanov, V.I. 9—75552
Abramyan, Yu.A., Anisimova, I.D., Kalyaeva, V.P., Mirzabekyan, E.G., Mikhailov, I.I., Simonyan, R.G., Stafeev, V.I. Infrared radiometer employing a gallium arsenide injection photodiode 9—75597
Abramzon, A.A. *see* Makagonova, N.N. 9—66356
Abranin, E.P., Baselyan, L.L., Goncharov, N.Yu., Zinichev, V.A., Rapoport, V.O., Tsybko, Ya.G. Harmonic structure of type IIIb and III bursts 9—75195
Abrao, A. *see* Lordello, A.R. 9—59232
Abrashin, V.N. *see* Kolesnikov, P.M. 9—81695
Abrath, F.G. *see* Choi, M.C. 9—62350
Abreu, V.J. *see* Shetter, M.T. 9—64297
Abriata, J.P. Comment on a thermodynamic proof of the inequality between arithmetic and geometric mean 9—67241
Abrikosov, A.A. Spin glasses based on semiconductors 9—82799
Abrikosov, A.A. 'Kinetic equation' in the percolation theory 9—97309
Abrikosov, N.Kh., Karpinskii, O.G., Shelimova, L.E., Korzhuev, M.A. Physicochemical investigation of germanium telluride in the phase transition region 9—52177
Abrikosov, N.Kh., Petrova, L.I. The system Co-Sb-Te 9—52156
Abrikosov, N.Kh. *see* Karpinskii, O.G. 9—51250
Abromeit, C., Poerschke, R. Radiation enhanced diffusion: Approximate solutions of chemical rate equations and their application to experiments 9—73344
Abromeit, C. *see* Bartels, A. 9—77637
Abrosimov, A.T., Vishnevskaya, K.P., Drondina, G.I., Lobanova, V.P. Multiple charged-particle generation in inclusive reactions of negative pions with nuclei at 40 GeV per speed of light 9—76022
Abrosimov, A.T. *see* Vernov, S.N. 9—80172
Abrosimov, V.M., Egorov, B.N., Lidorenko, N.S., Karandashev, V.A. Appearance of an EMF in semiconductors under the action of thermal field pulses with high temperature gradients 9—56252
Abroyan, I.A., Titov, A.I., Khlebalkin, A.V. Formation of defects in silicon due to multiple ion irradiation 9—90706
Abshire, G., Adams, M., Brown, C., Crandall, E., Goldberger, J., Grannis, P., Stekas, J., Donaldson, G., Gordon, H., Morris, G.R., Cormell, L. Measurement of electron and pion cascades in a lead-acrylic scintillator shower detector 9—81124
Abstreiter, G., Ploog, K. Inelastic light scattering from a quasi-two-dimensional electron system in GaAs-$Al_xGa_{1-x}As$ heterojunctions 9—65867
Abstreiter, G., Trommer, R., Cardona, M., Pinczuk, A. Coupled plasmon-LO phonon modes and Lindhard-Mermin dielectric function of n-GaAs 9—82540
Abstreiter, G. *see* Pinczuk, A. 9—65878
Abt, B. *see* Wachutka, H. 9—90804
Abt, H.A. Spectral types in theα Persei cluster 9—58385
Abt, H.A. The occurrence of abnormal stars in open clusters 9—71038
Abt, H.A., Brodzik, D., Schaefer, B. Spectral types of stars with unusual photometric indices 9—71033
Abts, L., Richardson, P.D., Schmid-Schonbein, H. Ultrasound detection of aggregation of red cells in blood flow 9—84068
Abu-el Ela, M.A. *see* Gomaa, M.A. 9—85816
Abu-Elnour, F. *see* Adib, M. 9—85466
Abud, M., Bottino, A. Mixing angles of leptons in an extended Weinberg-Salam model 9—71679
Abud, M., Dacroogna, M., Gatto, R., Savoy, C.A. Calorimetric experiments and two photon collisions 9—71774
Abuin, E.B. *see* Gargallo, L. 9—57267
Abul-Magd, A.Y., Simbel, M.H. Phenomenological approach to deeply inelastic collisions 9—54449

Abul-Magd, A.Y., Simbel, M.H. Angular-momentum coherence in heavy-ion inelastic collisions 9−54451

Aburano, T., Tonami, N., Hisada, K. Radioimmunoassay for carcinoembryonic antigen as an adjunct to liver scan in the detection of liver metastases from digestive-tract cancer 9−100720

Abushady, Y. New procedures of acceleration of iterative methods for linear systems 9−63722

Abuzhamilov, Sh. *see* Azimov, S.A. 9−49559

Abuzin, Yu.M., Burkov, V.I., Zelentsova, S.A., Kotov, V.A., Poluyanova, A.G. Magnetooptical study of glasses activated by Co^{2+} ions 9−65844

Abyzov, A.S., Ivanov, B.A. Dynamic slowing down of the domain wall in a ferromagnet 9−78438

Abzalov, V.M. *see* Gorbachev, V.A. 9−68569

Accensi, A., Lizon-Tati, J., Girard, M., Tardivo, A. The European Space Agency cryogenic programme and the development of a superfluid helium cryostat for Spacelab 9−63239

Accensi, A. *see* Lizon-Tati, J. 9−70942

Accorsi, R. High temperature water vapour electrolysis in a stabilised zirconia solid electrolyte cell. Investigation of the performance of a nickel-zirconia compact cermet cathode 9−74399

Acena, M.L., Garcia-Torano, E. Analysis of alpha spectra. I. Determining the empirical equation for an alpha line 9−63859

Acerbi, E., Bellomo, G., Birattari, C., Castiglioni, M., De Martinis, C., Fabrici, E., Grillo, L., Resmini, F., Salomone, A. Field measurements on the Milan superconducting model magnet 9−54669

Acerbi, E., Bellomo, G., Castiglioni, M., de Martinis, C., Fabrici, E., Pagani, C., Resmini, F. Model studies for the superconducting cyclotron project in Milan 9−54659

Achaibou, A. *see* Abatut, J.L. 9−83570

Achar, B.Narayana *see* Narayana Achar, B.

Achar, B.N.N., Barsch, G.R. Phonon spectra of the A15 compounds V_3Si, V_3Ge and V_3Ga 9−51212

Achar, B.N.N., Barsch, G.R. Lattice dynamics of Nb_3Sn at 300K 9−65155

Achar, B.N.N., Barsch, G.R. Anharmonic contribution to mode softening in V_3Si 9−73241

Achard, M.F. *see* Hardouin, F. 9−60490, 9−69233, 9−95133

Achard, M.F. *see* Sigaud, G. 9−82324, 9−95132

Achard, M.-H., Calder, R., Mathewson, A. The effect of bakeout temperature on the electron and ion induced gas desorption coefficients of some technological materials 9−65329

Acharya, B.S., Mukherjee, M.L. Isothermal decay of luminescence and photostimulated decay of luminescence in KCl and KCl:Sn single crystals 9−83041

Acharya, B.S. *see* Sinha, R.K. 9−99955

Acharya, D. *see* Sengupta, P.R. 9−94544

Acharya, D.P., Sengupta, P.R. Two-dimensional wave propagation in a micropolar thermo-elastic layer with stretch 9−94527

Acharya, H.K. Mindanao earthquake of August 16, 1976: preliminary seismological assessment 9−66635

Acharya, H.K. Ground motion attenuation in the Philippines 9−88278

Acharya, H.K., Bentley, C.R. Investigation of surface-wave dispersion in an inhomogeneous medium by the finite difference method 9−66631

Acharya, H.N., Bose, H.N. On some aspects of photoconducting properties of PbS films 9−78130

Acharya, M. Measurement of turbulent fluctuations in high-speed flows using hot wires and hot films 9−90356

Acharya, M., Kussoy, M.I., Horstman, C.C. Reynolds number and pressure gradient effects on compressible turbulent boundary layers 9−60001

Achasov, O.V., Soloukhin, R.I., Fomin, N.A. Resonance (10.6 μ) absorption of propane heated in a shock wave 9−64002

Achasov, O.V., Soloukhin, R.I., Fomin, N.A. Numerical analysis of the characteristics of a gasdynamic laser utilizing selective thermal excitation and supersonic mixing 9−64202

Ache, A.de *see* de Ache, A.

Ache, H.J. *see* Boothie, T.E. 9−97902

Ache, H.J. *see* Handel, E.D. 9−96345

Ache, H.J. *see* Mustaklem, J.F. 9−88187

Achenbach, C. *see* Muller, A. 9−64096

Achenbach, E. Fluid flow and convective heat transfer of circular cylinders and spheres 9−94624

Achenbach, J.D., Harris, J.G. Acoustic emission from a brief crack propagation event 9−64397

Achenbach, J.D., Khetan, R.P. Kinking of a crack under dynamic loading conditions 9−68660

Achenbach, J.D. *see* Comninou, M. 9−64587

Acheson, D.J. Instability by magnetic buoyancy 9−75100

Achiam, Y. Critical relaxation of the temperature in a square lattice Ising system 9−82793

Achiam Ya'akov *see* Ya'akov Achiam

Achiba, Y. *see* Katsumata, S. 9−58847, 9−59511, 9−93232, 9−98151

Achiba, Y. *see* Nomoto, K. 9−59510

Achilov, B.M., Zhuraev, T.D., Akhtamov, R., Odinaev, A. Determination of the propagation of radiant energy inside a distiller of the multistage-inclined type 9−96423

Achilov, B.M. *see* Akhtamov, R.A. 9−83622

Achiwa, N. *see* Yamada, S. 9−55044

Achterberg, A. The energy spectrum of electrons accelerated by weak magnetohydrodynamic turbulence 9−88582

Achterberg, O. *see* Berger, C. 9−49519

Achuthan, P., Chandramohan, T., Venkatesan, K. S-wave pion-nucleon phase shifts in Pade approximation 9−67603

Acierno, M.J. *see* Sion, E.M. 9−75203

Ackenhusen, J.G., Bach, D.R. Intensity dependence of transmission of electromagnetic radiation through an overdense Z-pinch plasma 9−60145

Ackenhusen, J.G., Bach, D.R. Laser-driven hydrodynamic perturbation in an overdense Z-pinch plasma 9−77385

Ackenhusen, J.G., Bach, D.R. Interferometric characterization of density dynamics of an ultradense Z-pinch plasma 9−77413

Acker, F., Huguenin, R. The onset of ferromagnetism in disordered V-Ni, Rh-Ni, Pt-Ni and Pd-Ni alloys 9−56533

Acker, F., Huguenin, R. The effect of pressure on the onset of ferromagnetism in disordered Pd-Ni alloys 9−61111

Ackerman, E., Rosevear, J.W. Immunonephelometric assays 9−84046

Ackerman, J.F. New $[K_2NiF_4]$ compounds with mixed B-ions 9−69087

Ackerman, J.L., Eckman, R., Pines, A. Experimental results on deuterium NMR in the solid state by magic angle sample spinning 9−97410

Ackerman, M., Frimout, D., Muller, C., Wuebbles, D.J. Stratospheric methane measurements and predictions 9−84432

Ackerman, M. *see* Besson, J. 9−80202

Ackerman, R. *see* Brownell, G. 9−66516

Ackerman, R.J. *see* Garg, S.P. 9−100115

Ackermann, E.G. *see* Marshall, R.E. 9−84343

Ackermann, F. Experimental investigation into the accuracy of contouring from DTM 9−84085

Ackermann, K.P. *see* Schlegel, A. 9−87464

Ackermann, R.J., Rauh, E.G. Comparison of the thermodynamic properties and high temperature chemical beahvior of lanthanide and actinide oxides 9−100127

Ackermann, R.J. *see* Tetenbaum, M. 9−54508

Ackermann, U. *see* Ronneberger, D. 9−50720

Ackerson, B.J. *see* Clark, N.A. 9−99097

Ackerson, K.L. *see* Franck, L.A. 9−80100

Ackery, D.M. *see* Karran, S.J. 9−79636

Acket, C. *see* Decuyper, J. 9−76106

Ackmann, J.J. A computer system for neurosurgical patient monitoring 9−88206

Ackmann, J.J. *see* Barr, R.E. 9−74772

Acknam, G.R. *see* Speight, J.D. 9−77951

Ackroyd, J.A.D. *see* Zakerullah, M. 9−77067

Acosta, R.J. *see* Paduano, H.N. 9−54556

Acquadro, J.C. *see* Mariscotti, M.A.J. 9−54380

Acquarone, M. Two-sublattice magnetic system with fourth-order uniaxial anisotropy and strong antisymmetric exchange in a transverse magnetic field 9−56530

Acquista, N. *see* Reader, J. 9−49954, 9−54798

Acres, O.E. *see* Guthrie, J.E. 9−66425

Acrivos, A., Herbolzheimer, E. Enhanced sedimentation in settling tanks with inclined walls 9−70382

Acrivos, A. *see* Hinch, E.J. 9−60062

Acton, L.W. *see* Parkinson, J.H. 9−96979

Actor, A. Classical solutions of SU(2) Yang-Mills theories 9−93295

Acuna, M.H. *see* Ness, N.F. 9−96956

Adachi, G. *see* Arakawa, T. 9−66350

Adachi, G. *see* Sakai, T. 9−87239

Adachi, G.-Y. *see* Arakawa, T. 9−83017

Adachi, G.-Y. *see* Sakai, T. 9−91230

Adachi, H. On the energy spread of T-F emitted electrons 9−56916

Adachi, H. Cluster model investigations of chemisorptions for chalcogens on nickel 9−65313

Adachi, H., Basco, N. Kinetic spectroscopy study of the reaction of CH_3O_2 with NO 9−70305

Adachi, H., Basco, N. Kinetic spectroscopy study of the reaction of $C_2H_5O_2$ with NO 9−83470

Adachi, H., Imoto, S. Cluster model for electronic structure and bonding mechanism of interstitial hydrogen in iron series transition metals 9−60753

Adachi, H. *see* Shiokawa, S. 9−82519

Adachi, H. *see* Tasaka, K. 9−81028

Adachi, K. A vibronic state model of the Invar problem 9−56492

Adachi, K., Matsui, M., Kawai, M. Further investigations of magnetic properties of $Co(S_xSe_{1-x})_2$, $(0 \leq x \leq 1)$ 9−65657

Adachi, K., Matsui, M., Omata, Y., Mollymoto, H., Motokawa, M., Date, M. Magnetization of $Co(S_xSe_{1-x})_2$ under high magnetic field up to 500 kOe 9−91253

Adachi, K. *see* Kubo, T. 9−51881

Adachi, K. *see* Maki, S. 9−56514

Adachi, K. *see* Matsui, M. 9−55856

Adachi, M., Hori, M., Shiosaki, T., Kawabata, A. $K_3Li_2Nb_5O_{15}$ optical waveguides fabricated on sapphire by RF sputtering 9−98488

Adachi, M. *see* Takeuchi, N. 9−78714

Adachi, M. *see* Yoshimura, M. 9−92355

Adachi, S., Hamaguchi, C. Resonant forbidden Brillouin scattering in CdS 9−56802

Adachi, S., Hamaguchi, C. Resonant Brillouin scattering in ZnSe 9−61390

Adachi, S., Hamaguchi, C. Brillouin scattering by pure-transverse phonons in GaSe and GaS 9−78696

Adachi, S., Hamaguchi, C. Resonant Brillouin scattering as a form of modulation spectroscopy 9−91456

Adachi, S., Itoh, Y., Hamaguchi, C. Effect of lifetime broadening on resonant Brillouin scattering in ZnTe and ZnSe 9−51971

Adachi, S., Itoh, Y., Hamaguchi, C. Quasi-static analysis of resonant Brillouin scattering in ZnSe, ZnTe and CdS 9−65887

Adachi, S. *see* Hoyano, A. 9−55516

Adachi, S. *see* Itoh, Y. 9−78695

Adachi, S. *see* Ohnuma, T. 9−55496

Adachi, T., Helms, C.R. Electron energy loss spectroscopy studies of the Si-SiO_2 interface 9−99596

Adachi, T. *see* Amijima, S. 9−91738

Adachi, T. *see* Goto, H. 9−57626

Adachi, Y. *see* Goto, H. 9−99506

Adachi, Y. *see* Ikoma, T. 9−86799

Adachi, Y. *see* Ohji, K. 9−61706

Adair, R.K. On the failure of the Drell-Yan parton model to account for production of the J/Ψ in nucleon-nucleon interactions 9−89106

Adair, R.K. *see* Schmidt, M.P. 9−89146

Adair, T.W., III *see* Colter, P.C. 9−60797

Adam, C.D., Owen, J., Harker, A.H. Ligand polarisation and transferred hyperfine interactions 9−51535

Adam, E., Schwarz, M. The safety of a generating station using a fast breeder reactor. Engineering technology aspects 9−54567

Adam, E. *see* Sanger, P.A. 9−54144

Adam, H.H., Joslin, T.A., Thomas, B. Some electrochemical studies on the adsorption of 1-phenylpyrazolidin-3-one 9−100391

Adam, J., Frana, J., Grigoriev, E.P., Gromov, K.YA., Honusek, M., Islamov, T.A., Sergeev, V.O. ^{166}Er levels populated in the ^{166}Tm decay 9−93556

Adam, J., Rogers, V.C. Dose commitments—how far into the future? 9−52960

Adam, J.A., Rogers, V.C. Classifying transuranic waste 9−93763

Adam, J.A. *see* Craik, A.D.D. 9−64680

Adam, J.D., O'Keeffe, T.W., Patterson, R.W. Magnetostatic wave to exchange resonance coupling 9−82774

Adam, M., Delsanti, M. Viscosity and reptation time in polystyrene-benzene semidilute solutions 9−99345

Adam, M., Delsanti, M., Pouyet, G. Diffusion coefficient in a semi-dilute solution measured by concentration gradient technique and compared to quasielastic light scattering results 9−99339

Adam, M.G. A determination of solar rotation using sunspot spectra 9−92745

Adam, S., Babic, E., Ocko, M. Investigations of preferred orientations in zinc and zinc-based alloys obtained by means of rotating mill device 9−57006

Adam, S., Blumer, F., Dohan, D.A., Steiner, E., Ziegler, P., Collins, J.C., Rohrer, U. Computer control strategies at SIN 9−54701

Adam, S., Cherix, J., Joho, W., Olivo, W. Determination of effective acceleration voltages in cyclotrons using the phase compression-phase expansion effect 9−54674

Adam, S., Collins, J.C. Automatic centering and matching of cyclotron beams 9−54708

Adam, S. *see* Joho, W. 9−54707

Adam, Y. A higher accuracy predictor-corrector method for the simulation of sea pollution 9−66431

Adamczewska, J., Budzynski, T. Structural investigation of silicon films chemically vapour deposited onto amorphous SiO_2 substrates 9−65346

Adamczewski, W., Jankowski, A.L., Zawiejski, J., Czajczynski, Z. Thermographic testing of superficial temperature 9−67299

Adame, I.E. *see* Vicharelli, P.A. 9−76437

Adamec, D., O'Brien, J.J. The seasonal upwelling in the Gulf of Guinea due to remote forcing 9−79860

Adamek, J. *see* Tvrdy, M. 9−79094

Adamek, P.M., Wilson, M.R. The evolution of a uranium province in northern Sweden 9−84271

Adamenko, A.A., Zelinskii, Yu.V. Increasing the speed of response of a radioisotope thickness meter by optimizing the detector parameters 9−75494

Adamenko, A.A. *see* Troitskii, V.A. 9−91900

Adamescu, R.A., Volkov, S.D., Geld, P.V., Mityushov, E.A. Anisotropy of physical properties of metals and alloys having a hexagonal structure 9−91700

Adamiak, K. Generation of homogeneous magnetic fields by means of [current carrying] thin circular coils 9—98262
Adamiak, K. Eddy currents in thin conducting coatings 9—98263
Adamides, E. *see* Kalfas, C.A. 9—97678
Adamka, J. The effect of ultrasound on the structure wear resistant materials 9—74185
Adamou, A., Alippi, A., Palma, A., Palmeiri, L., Socino, G. Parametric mixing of surface acoustic waves 9—86279
Adamov, A.P. *see* Amirkhanov, Kh.I. 9—82026, 9—90367
Adamov, M.N., Natanson, G.A. Transformation of vibrational and rotational coordinates during electronic transition in a nonlinear polyatomic molecule. II. Possible simplifications of the transformation for triatomic molecules 9—93980
Adamov, M.N., Razgonov, A.I., Tulub, A.V. Application of the Laplace method to the calculation of polarizabilities of monovalent atoms 9—89803
Adamova, L.V., Tager, A.A., Karpova, N.D., Nerush, N.T., Salazkin, S.N., Vygodskii, Ya.S., Bulgakova, I.A. Thermodynamic stability of the systems: polyheteroarylene-epoxy resin 9—65204
Adamovich, V.A., Baranov, V.Yu., Bevov, R.K., Smakovskii, Yu.B., Strel'tsov, A.P. Large-volume pulsed CO_2 laser amplifier 9—64253
Adamovskii, L.A., Golushko, V.V., Kebadze, B.V. Operational monitoring of boiling-reactor stability by means of polar correlation of reactor noise 9—93761
Adamovskii, L.A. *see* Kebadze, B.V. 9—71924
Adamowicz, R.F. A model for the reversible washout of sulfur dioxide, ammonia and carbon dioxide from a polluted atmosphere and the production of sulfates in raindrops 9—83657
Adamowicz, R.F., Koo, K.P. Characteristics of a photoacoustic air pollution detector at CO_2 laser frequencies 9—100554
Adamowski, J., Bednarek, S., Suffczynski, M. Binding energy of exciton-neutral donor complexes 9—60715
Adams, A., Wyss, J.C., Hansma, P.K. Possible observation of local plasmon modes excited by electrons tunneling through junctions 9—51685
Adams, A.C., Capio, C.D., Haszko, S.E., Parisi, G.I., Povilonis, E.I., Robinson, McD. The high temperature deposition and evaluation of phosphorus-or boron-doped silicon dioxide films 9—69989
Adams, A.C., Murarka, S.P. Measuring the phosphorus concentration in deposited phosphosilicate films 9—69014
Adams, A.R. *see* Ahmad, C.N. 9—65473
Adams, A.R. *see* Greene, P.D. 9—95523
Adams, A.T. *see* Singh, J. 9—81332
Adams, B.E. *see* Huber, D.R. 9—64308
Adams, B.G., Paldus, J. Orbitally-spin-adapted coupled-cluster theory for closed-shell systems including triexcited clusters 9—89613
Adams, C.A., Kusters, J.A. Improved long-term aging in deeply etched SAW resonators 9—55290
Adams, C.R. *see* Wood, O.R., II 9—81451
Adams, D.J. Computer simulation of ionic systems: the distorting effects of the boundary conditions 9—50968
Adams, D.J., Adams, E.M., Hills, G.J. The computer simulation of polar liquids 9—90507
Adams, D.L. *see* Ignatiev, A. 9—82449
Adams, E. *see* Ames, W.F. 9—71224
Adams, E.M. *see* Adams, D.J. 9—90507
Adams, F. *see* Van Hoye, E. 9—57314, 9—92045
Adams, G.G. *see* Choros, J. 9—64519
Adams, G.S., Bauer, T.S., Igo, G., Pauletta, G., Whitten, C.A., Jr., Wriekat, A., Hoffmann, G.W., Smith, G.R., Gazzaly, M., Ray, L., Love, W.G., Petrovich, F. Microscopic description of 800-MeV polarized-proton scattering from ^{16}O 9—80915
Adams, G.S. *see* Bo Hoistad 9—85463
Adams, G.S. *see* Hoistad, B. 9—89274
Adams, J. Wear of unsound pebbles in river headwaters 9—92557
Adams, J.B., Southworth, S.B., Billinge, R., Levy-Mandel, R., Gervaise, J., Bayard, O., Hugi, E., Crowley-Milling, M.C. CERN's 400 GeV super proton synchrotron 9—68064
Adams, J.C. *see* Hoyng, P. 9—70950
Adams, J.E., Miller, W.H. A unified model for diffractive and inelastic scattering of a light atom from a solid surface 9—87553
Adams, J.L., Botten, L.C. Double gratings and their applications as Fabry-Perot interferometers 9—81544
Adams, J.M. The crystal structure of a dickite: N-methylformamide intercalate $[Al_2Si_2O_5(OH)_4{\cdot}HCONHCH_3]$ 9—55729
Adams, J.M., Pritchard, R.G., Hewat, A.W. Neutron profile refinement and deuterium positions in $Na_2CO_3.1.5D_2O_2$ 9—90602
Adams, L., Thomson, I. A solid-state dosimeter based on a new glow curve for beryillia 9—71981
Adams, L.W., Jr. *see* Kimball, J.C. 9—69541
Adams, M. *see* Abshire, G. 9—81124
Adams, M.J., Payne, D.N., Ragdale, C.M. Birefringence in optical fibres with elliptical cross-section 9—59816
Adams, M.J. *see* Norman, S.R. 9—64318
Adams, M.J. *see* Sladen, F.M.E. 9—76828
Adams, M.R. *see* Bruce, M.C. 9—57669
Adams, M.T., Strom, K.M., Strom, S.E. Herbig-Haro objects associated with NGC 2264 9—71026
Adams, M.T. *see* Rudnick, L. 9—71137
Adams, N.G., Smith, D., Lister, D.G., Rakshit, A.B., Tichy, M., Twiddy, N.D. The rate coefficients for several ternary association reactions of CH_3^+ in the temperature range 100-300K 9—61845
Adams, P.J. Scale-covariant gravitation and electromagnetism 9—85027
Adams, R., Hine, G.J. Why correction for scintillation camera deadtime is not required when measuring ejection fraction of the left ventricle 9—62355
Adams, R., Kirk, G.A., Schulz, E., Snell, B. Imaging I-125 with a scintillation camera 9—49359
Adams, R.D. T-phase recordings at Rarotonga from underground nuclear explosions 9—84138
Adams, R.D., Coppendale, J. The stress-strain behaviour of axially-loaded butt joints 9—74209
Adams, R.D. *see* Cawley, P. 9—57183, 9—81797
Adams, R.J., Lokan, K.H. Attenuation of fast neutrons in ilmenite concretes 9—76048
Adams, S. *see* Garrett, S. 9—55974
Adams, T., Heisey, S.R., Steimetz, M.A., Smith, M.C., Dennis, J.H. Measurement of focal brain blood flow transients: a technique utilizing tissue heat transfer properties 9—92457
Adams, T.E. *see* Theeten, J.B. 9—79138
Adams, T.F., Castor, J.I. A transitory R-type ionization front in a Cepheid model 9—75209
Adams, W.A., Preston, C.M., Chew, H.A.M. A high-pressure conductivity and laser Raman spectroscopic study of aqueous orthophosphate solutions at 25°C 9—56220
Adams, W.P., English, M.C., Lasenby, D.C. Snow and ice in the phosphorus budget of a lake in south central Ontario 9—62540
Adamski, J.L., Copeland, R.L., Beymer, J.R. Acceleration mechanisms in single and multiple stage collective vacuum diodes 9—76168
Adamski, J.L. *see* Wei, P.S.P. 9—55551
Adamski, P., Czyzewski, R. Activation energy and growth rate of spherolites of cholesterol liquid crystals 9—94900
Adamski, P., Dylic-Gromiec, A., Wojciechowksi, M. Optical dispersion of cholesteryl pelargonate 9—64990
Adamson, A.S. Established applications of non-destructive techniques for nuclear materials measurements control or verification: reported to ESARDA 9—87813
Adamson, M.C. Laser requirements for holography 9—50260
Adamson, M.G. Chemical, thermodynamic, and selected transport properties of thorium-based fuels for fast breeder reactors 9—54505
Adamson, M.G. *see* Davies, J.H. 9—49682
Adamson, M.G. *see* Woodley, R.E. 9—63744
Adamson, T.C., Jr., Messiter, A.F., Liou, M.S. Large amplitude shock-wave motion in two-dimensional, transonic channel flows 9—60005
Adamushko, A.V., Belokon', M.V., Rubinov, A.N. An intracavity spectrometer based on a continuous jet dye laser 9—52831
Adamyan, V.E. *see* Karapetyan, F.S. 9—82750
Adcock, C.C.F., Hart, A.M., Rosser, W.G.V. A local conductivity anomaly near Exeter and its effect of micropulsations 9—53305
Addabbo, C., Chon, W.Y., Liao, N.S. Effects of bottom injection location on reflood characteristics 9—49726
Adde, R. *see* Lourtioz, J.M. 9—76667
Addison, J.V., Schechter, R.S. An experimental study of the rheological behavior of surface films 9—95245
Addison, M.C., Byrne, C.D., Donovan, R.J. Direct observation of $S(3^1D_2)$ and determination of the absolute rate of reaction with OCS 9—79274
Additon, S.L., Chien, Y.-M. Simulation of FFTF hot-leg ruptures and loss-of-flow events 9—49677
Additon, S.L. *see* Bouchey, G.D. 9—49676
Adduci, F., Baldassarre, L., Maggipinto, G., Minafra, A., Levy, F. Defect levels in PbI_2 by TSC measurements 9—69463
Addy, S.K. *see* Dey, S. 9—72838, 9—94545
Adekola, S.A., Wescott, J.W. On the characteristics of existing microwave dish-antenna modified for acoustic remote sensing 9—72770
Adelberger, A.G. *see* Freedman, S.J. 9—67703
Adelh, D., Brugal, G., Chassery, J.M., Chibon, P., Garbay, C. Microscopic image analysis system. Applications to biology: cell cycle; cancerous blood and bone marrow cells 9—88223
Adelman, S.A., Jing-Huei Chen Theory of nonprimitive electrolyte solutions: generalized electrostatic model for the equilibrium properties of ionic-polar mixtures 9—68995
Adelman, S.J. A bibliography of atomic line identification lists. II. August 1978 supplement 9—54787
Adelman, S.J. Spectrophotometry of κ Cassiopeiae (BC0.7 Ia) and HD 188209 (O0.5 Iab) 9—67009
Adelman, S.J. Spectrophotometry of peculiar B and A stars. I. On the detection of the λ4200 and λ5200 broad, continuum features of peculiar A stars 9—75215
Adelman, S.J., Bidelman, W.P., Pyper, D.M. The peculiar A star γ Equulei: a line identification study of λλ3086-3807 9—88659
Adelman, S.J. *see* Shore, S.N. 9—67011
Adelstein, S.J. *see* Bloomer, W.D. 9—92176
Adeosun, S.O. A differential thermal analysis study of phase transitions in some mercury (II) carboxylates 9—90759
Ader, J.P., Bonnier, B., Sood, S. Do we need 'mock' diquoniums to explain narrow widths into BB̄ channels? 9—75734
Aderangi, N. *see* Wasan, D.T. 9—61840
Aderholz, M. *see* Blietschau, J. 9—93396
Ades, M. *see* Peddicord, K.L. 9—59174
Adeyemi, S.O., Wu, S.M., Berthouex, P.M. Modeling and control of a phosphorus removal process by multivariate time series method 9—74561
Adhikari, S.K. Method for scattering equations 9—63644
Adhikari, S.K. Spurious solutions in few-body equations. II. Numerical investigations 9—67723
Adhikari, S.K., Glockle, W. Spurious solutions in few-body equations 9—75402
Adhikari, S.K. *see* Luciano Viana, F. 9—63641
Adhikari, S.K. *see* Sengupta, A.K. 9—99872
Adib, M., Maayouf, R.M.A., Abdel-Kawy, A., Abu-Elnour, F., Hamouda, I. Measurements of the total neutron cross-section of cerium and thulium in the energy range from 1.8 meV to 1.8 eV 9—85466
Adjabschirzadeh, A. *see* Lamy, P.L. 9—92678
Adkins, C.J. The Hall effect in inversion layers 9—51682
Adkins, C.J. Effective-medium theory of conductivity and Hall effect in two dimensions 9—95380
Adkins, C.J. Application of effective-medium theory to inversion layers 9—95504
Adkins, C.J. *see* Young, M.W. 9—56357
Adkins, C.R., Gross, M.C., Noe, D.E. Effect of steam cycle on the transient behavior of LMFBRs 9—49678
Adkins, W.Y. *see* Mills, J.H. 9—74688
Adler, C.P. Hip joint diseases from the radiological and pathological-anatomical points of view 9—83920
Adler, D., Baron, A. Prediction of a three-dimensional circular turbulent jet in crossflow 9—98769
Adler, D., Levy, Y. A laser-Doppler investigation of the flow inside a backswept, closed, centrifugal impeller 9—77304
Adler, D. *see* Frye, R.C. 9—99609
Adler, D. *see* Petersen, K.E. 9—56270, 9—99588
Adler, D. *see* Yoffa, E.J. 9—56112
Adler, E.L. *see* El-Nokali, M. 9—64455
Adler, I.-D. *see* Stephan, G. 9—96624
Adler, J.G. *see* Konkin, M.K. 9—56436
Adler, L. *see* Lewis, K.D. 9—100307
Adler, P.M., Mills, P.M. Motion and rupture of a porous sphere in a linear flow field 9—64755
Adler, P.M. *see* Koniuta, A. 9—94750
Adler, R.J., Gammel, G., Nation, J.A., Ivers, J.D., Providakes, G., Serlin, V. Proton injection into a large amplitude space charge wave 9—71990
Adler, R.J., Nation, J.A. Ion-acceleration mechanisms in vacuum diodes 9—97470
Adler, R.S., Freed, K.F. On dynamic scaling theories of individual polymers in solution 9—64977
Adler, S.L. Classical quark statics 9—49467
Adler, S.L. Small deformations of the Prasad-Sommerfield solution 9—71633
Adler, S.L. Algebraic chromodynamics 9—93358
Adler, T., Houska, C.R. Simplifications in the X-ray line-shape analysis 9—82123
Adler, T., Houska, C.R. Affect of annealing on uniform and nonuniform strains in a sputtered Mo film on Si 9—82504
Adler-Grinberg, D., Stark, L. Eye movements, scanpaths, and dyslexia 9—83769
Admirat, P. *see* Federer, B. 9—84542
Admon, U. Specimen stage for energy-dispersive analysis for the S-600 scanning electron microscope 9—71564
Adnan, N.R. *see* Fadel, M.A. 9—59269
Adomenas, P.V. *see* Grozhik, V.A. 9—64991
Adomenas, P.V. *see* Tikhomirova, N.A. 9—94899
Adonkin, V.T. *see* Dakhtyar, I.Ya. 9—91527
Adonkin, V.T. *see* Dekhtyar, I.Ya. 9—99970
Adrain, R.S., Brassington, D.J., Sutton, S., Varey, R.H. The measurement of SO_2 in power station plumes with differential lidar 9—57556
Adrain, R.S., Klewe, R.C., Wright, D.G., Elder, R.L., Richards, P.H., Smith, G.D. Preliminary studies using photon correlation velocimetry in turbomachinery and combustion systems 9—60083
Adrian, D.D. *see* Sanders, T.G. 9—53380

Adrian, F.J., Jette, A.N. Valence bond study of hyperfine interactions and structure of Kr_2F 9—85902

Adrian, F.J. *see* Morton, J.R. 9—65728

Adrian, H. *see* Klaumunzer, S. 9—87179

Adrian, H. *see* Muller, P. 9—56348

Adrian, R.J. *see* Jones, B.G. 9—77195

Adriano, D.C. *see* Kirkham, M.B. 9—57778

Adriano, D.C. *see* Pinder, J.E., III 9—96668

Adrianov, V.N., Blokh, A.G., Rubtsov, N.A., Trofimov, V.P., Khrustalev, B.A. Progress in the theory and methods of analysis or radiative and combination heat transfer 9—81703

Adrianova, I.I., Zaslavskaya, V.R., Popov, Yu.V., Chizhikov, G.G. Heterodyne method of studying the oscillations of a surface with optical radiation at a wavelength of 1.06 μm 9—50339

Adrianova, I.I., Zaslavskaya, V.R., Stepanenko, N.F., Chizhikov, G.G. Electro-optic phase modulator for unpolarized radiation 9—50403

Adshead, A., Lindsay, S.M., Delides, C.G., King, T.A., Shepherd, I.W. Brillouin scattering from oligomers of polydimethylsiloxane and the assignment of the hypersonic α loss peak in polymers 9—91457

Adshead, A. *see* Delides, C.G. 9—79049

Aduev, B.P., Vaisburd, D.I. Investigation of the transport of valence-band holes in LiF irradiated with nanosecond high-density electron pulses 9—99188

Adukov, A.D. *see* Kazhlaev, M.A. 9—99924

Adukov, A.D. *see* Semiletov, S.A. 9—95530

Adulbhan, P. *see* Lohani, B.N. 9—57514

Advani, S.H. *see* Pamidi, M.R. 9—92263

Adygezalov, F.S. *see* Nabiev, M.A. 9—73764

Adzerikho, K.S., Podluzhnyak, N.V. Reflective power of two-phase media of cylindrical geometry 9—90121

Adzhemyan, L.Ts. *see* Adzhemyan, L.V. 9—95082

Adzhemyan, L.V., Adzhemyan, L.Ts., Romanov, V.P., Solov'ev, V.A. Sound absorption near critical points 9—95082

Aergerter, S. The Mediterranean Sea—a fossilised death valley 9—57913

Aernoudt, E. Calculation of deformation textures according to the Taylor model 9—87652

Aernoudt, E. *see* De Vos, J. 9—87660

Aernoudt, E. *see* Gil Sevillano, J. 9—91772

Aernsbergen, L.M.van *see* van Aernsbergen, L.M.

Aero, E.L. *see* Lebedeva, M.F. 9—74256

Aers, G.C., Boardman, A.D. A theoretical study of 'structure-induced' surface plasmon polariton modes on metals and semiconductors using ATR 9—60890

Aers, G.C., Paranjape, B.V., Boardman, A.D. The surface plasmon modes of spherical voids in irradiated metals 9—60617

Aers, G.C. *see* Modinos, A. 9—73601

Aerts, A.T. *see* Mulders, P.J. 9—67510

Aerts, A.Th.M., Mulders, P.J.G., de Swart, J.J. Multiquark dibaryon resonances 9—67518

Aerts, D., Daubechies, I. A characterization of subsystems in physics 9—49082

Aerts, D., Daubechies, I. A mathematical condition for a sublattice of a propositional system to represent a physical subsystem with a physical interpretation 9—49083

Aerts, D., Daubechies, I. About the structure-preserving maps of a quantum mechanical propositional system 9—84983

Aerts, D., Daubechies, I. Physical justification for using the tensor product to describe two quantum systems as one joint system 9—84984

Aerts, D., Piron, C. The role of the modular pairs in the category of complete orthomodular lattice 9—49175

Aerts, F. *see* De Langhe, E. 9—50334

Aertsen, A.M.H.J., Smolders, J.W.T., Johannesma, P.I.M. Neural representation of the acoustic biotope: on the existence of stimulus-event relations for sensory neurons 9—66475

Aeschimann, P. *see* Besse, L. 9—57754

Afanasenkov, A.N., Gostintsev, Yu.A., Uspenskii, O.A. Quasi-one-dimensional theory of a nozzle for a helical gas stream 9—64734

Afanas'ev, A.A., Pakhomov, E.P., Sychev, P.E. Model of helical arc 9—60206

Afanasev, A.D., Tonkov, M.V. Rotational spectrum of CF_4 induced by molecular collisions 9—98101

Afanas'ev, A.M., Torlin, B.Z. Stability of the high-level field of reactor neutrons with respect to xenon oscillations 9—63714

Afanas'ev, A.M., Torlin, B.Z. Stabilization of axial field of VVER-1000 reactor 9—63741

Afanas'ev, G.N., Jolos, R.V., Permyakov, V.M., Shilov, V.M. Coulomb energy dissipation in reactions with heavy ions 9—76014

Afanas'ev, I.B. *see* Kazimirov, V.P. 9—73412

Afanas'ev, M.I. Measurements of the average energy of electrons taken out to the atmosphere in the energy range 0.3-1.0 MeV 9—97956

Afanas'ev, M.L., Bondarenko, V.S., Ermolaev, V.K., Seryshev, S.A. Diffusion of hydrogen in niobium nitrohydrides 9—69287

Afanas'ev, N.V., Afanas'eva, R.V., Ermakova, T.G., Lopyrev, V.A. On possible role of conducting molecular chains in dielectric polarization of polyacenequinones 9—65794

Afanas'ev, V.A., Aleksandrov, K.A., Kebadze, B.V., Gryazev, V.M., Golushko, V.V., Krasnoyarov, N.V., Mitenkov, F.M., Merkulov, V.I., Pakhomov, V.V., Karasev, V.N., Zemlin, A.V., Fuge, R., Pridohl, E., Uhlmann, G., Katzmer, D. Boiling-sodium tests with the BOR-60 reactor 9—97832

Afanas'ev, V.A., Britov, V.N., Gryazev, V.M., Efimov, V.N., Kebadze, B.V., Krause, H., Otto, H., Scholz, J., Ziegenbein, D. Dynamic characteristics of a BOR-60 reactor studied with a reactance oscillator 9—89400

Afanas'ev, V.A. *see* Gryaev, V.M. 9—97877

Afanas'ev, V.A. *see* Gryazev, V.M. 9—97865

Afanas'ev, V.A. *see* Sadybakasov, B.K. 9—94995

Afanas'ev, V.L., Denisyuk, E.K., Lipovetskij, V.A. 24 Seyfert-type objects from VIII-XI lists of Markarian galaxies 9—80360

Afanas'ev, V.N., Borovikov, V.S. Impurity localized states in a two-sublattice ferromagnet 9—69471

Afanas'ev, V.N. *see* Shishov, E.V. 9—86415

Afanas'eva, L.G. *see* Baiburina, S.G. 9—80156, 9—80170

Afanaseva, N.V. *see* Gruzdev, P.F. 9—54811, 9—72276

Afanas'eva, R.V. *see* Afanas'ev, N.V. 9—65794

Afanas'eva, V.L., Lyubimov, A.I., Selezneva, V.A. Method of producing rulings with a stepped profile 9—76898

Afanasiadi, L.Sh. *see* Krasovitskii, B.M. 9—85992

Afanasjev, V.L., Karachentseva, V., Karachentsev, I.D., Notni, P. Spectrographic observations of optical counterparts of 5C radio sources and of blue objects 9—101212

Afanasjev, V.P. *see* Alkhazov, G.D. 9—75957

Afanasyeva, N.I., Zhizhin, G.N. Vibrational spectra of nematic and smectic liquid crystals 9—73913

Afanas'yeva, V.I., Enrikes, B., Reis, J. Secular variation of the magnetic field in San Jose Las Lajas (Cuba) 9—57849

Afdahl, D. *see* Montor, K. 9—83743

Afek, Y., Leroy, C., Margolis, B. Four quark states and open charm production 9—63443

Affinito, D., Fisher, A., Bar-Avraham, E. Design and structure of an extended life high current sparkgap 9—90481

Affolter, K. *see* Luthy, W. 9—82262

Affolter, K. *see* Roulet, M.E. 9—99989

Affolter, K. *see* von Allmen, M. 9—69913

Afifi, H.H. *see* Abou El Ela, A.H. 9—60828

Afify, E.M. *see* Patra, A.L. 9—96602

Afioni, M.El *see* El Afioni, M.

Afnan, I.R., Stelbovics, A.T. Pion-deuteron optical potential 9—76030

Afnan, I.R. *see* Morioka, S. 9—75795

Afonin, A.I., Mostovoi, Yu.A., Frank, A.I., Khakhan, O.V. Large low-background slow-proton detectors 9—68137

Afonina, N.E., Gromov, V.G. Viscous flow of carbon dioxide over a blunted cone 9—77171

Afonnikov, N.A., Grin', L.E., Kalkutina, E.I., Lebedeva, V.V., Novik, A.E. Technical tolerances in the fabrication of oblique selective Fabry-Perot etalons 9—68424

Afonnikov, N.A. *see* Korolev, F.A. 9—55161

Aframian, A. Detection sensitivity and structural variations in plastic SSNTDs 9—49912

Aframian, A. Dependence of the stopping power of charged particles on the physical state of organic dielectric compounds 9—72185

Africano, J. *see* Quigley, R. 9—67040

Afrikanov, I.N. *see* Agapova, N.P. 9—97814

Afromowitz, M.A. *see* Campbell, S.D. 9—57823

Afrosimov, V.V. *see* Amus, M.Ya. 9—59413

Afsar, M.N. *see* Birch, J.R. 9—72305

Afyan, V.V., Vartanyan, A.V. Control of the radiant flux of high-temperature solar-energy installations with respect to two parameters 9—96420

Afzal, A.U. *see* Chaudhri, M.A. 9—66385

Afzal, M., Ahmed, J., Butt, P.K. Analysis of energy terms affecting the geometry of the beryllium hydride molecule calculated through the floating spherical Gaussian orbital model of molecular structure 9—63904

Agababyan, K.Sh., Mina, R.T. Thermodynamic analysis of vapour-liquefaction of gases 9—82325

Agaev, Ya., Meredov, M., Mikhailova, M.P., Slobodchikov, S.V. Influence of a magnetic field on the photosensitivity spectrum of InAs p-n junctions 9—91137

Agafonov, E.A., Dolya, N.N., Prokhorenko, Yu.A., Shemshura, V.E. The optical structure of waters in the north-western portion of the southern anticyclonic gyre 9—100866

Agafonov, I.L. *see* Faerman, V.I. 9—87903

Agafonov, V.G., Valov, P.M., Ryvkin, B.S., Yaroshetskii, I.D. Experimental investigation of the anisotropy of the electron energy spectrum of n-type InSb 9—69414

Agafonova, A.V. *see* Novikova, M.B. 9—52234

Agambar, W.L. *see* Dowling, J.A. 9—53521

Agan'yants, A.O., Vartanov, Yu.A., Vartapetyan, G.A., Kumakhov, M.A., Trikalinos, Kh., Yaralov, V.Ya. Radiation by channeled 4.7 GeV electrons in diamond 9—69170

Agapitov, S.A. *see* Konovalov, A.A. 9—83936

Agapova, N.P., Ageev, V.S., Afrikanov, I.N., Budylkin, N.I., Krasnoselov, V.A., Mironova, E.G., Onufriev, V.D., Ostrovskii, Z.E., Prokhorov, V.I., Sokurskii, Yu.N. Swelling of steels and alloys irradiated in the BOR-60 reactor to a fluence of 1.1×10^{23} neutrons/cm^2 9—97814

Agar, R.P. *see* Tiwari, R.N. 9—94539

Agarkov, A.S. *see* Motrenko, E.I. 9—91611

Agarwal, A.K. *see* Kandpal, H.C. 9—61428

Agarwal, A.K. *see* Srivastava, R.D. 9—74287

Agarwal, A.K. *see* Tripathi, H.B. 9—65925

Agarwal, B.D., Joneja, S.K. Flexural fatigue properties of unidirectional GRP in the transverse direction 9—66138

Agarwal, B.K., Shrivastava, R.S. A study of the effect of linear strain on the electrical resistivity of copper at elevated temperatures [for strain gauges] 9—91022

Agarwal, B.K. *see* Majumdar, N.C. 9—100941

Agarwal, D.C. Simulation experiments in view of magnetospheric physics 9—88549

Agarwal, G. *see* Levett, J. 9—71215

Agarwal, G.S. Master equations for time correlation functions of a quantum system interacting with stochastic perturbations and applications to emission and absorption line shapes 9—49154

Agarwal, G.S. Absorption spectra of strongly driven two-level atoms 9—54789

Agarwal, G.S., Jha, S.S. Theory of resonant Raman scattering of intense optical waves 9—89958

Agarwal, G.S., Narayana, P.A. Effect of probe field strength and the fluctuations of the exciting laser on the asymmetry of Autler Townes doublet 9—98125

Agarwal, G.S., Narducci, L.M., Da Hsuan Feng, Gilmore, R. Intensity correlations of a cooperative system 9—59663

Agarwal, G.S. *see* Saxena, R. 9—72273

Agarwal, K. *see* Tandon, P.N. 9—57699

Agarwal, K.N., Verma, V.V. Design of radiometer for measurement of total and net exchange solar radiation 9—54190

Agarwal, M.K., Patel, H.B., Patel, T.C. Growth and structural studies of $MoSe_2$ single crystals 9—90607

Agarwal, M.K., Wani, P.A. Growth conditions and crystal structure parameters of layer compounds in the series $Mo_{1-x}W_xSe_2$ 9—86759

Agarwal, R.P. *see* Srivastava, L.M. 9—72951

Agarwal, R.S., Bhargava, R. Application of quasi-linearization to flow between porous walls of different permeability 9—55415

Agarwal, R.S. *see* Bhargava, R. 9—64766

Agarwal, S.K., Friesen, E.J., Bhaduri, D., Courlas, G. Dose distribution from a Delta-25 head scanner 9—83940

Agarwal, S.K., Friesen, E.J., Huddleston, A.L., Rao, R.P. The effectiveness of glass lenses in reducing exposure to the eyes 9—92394

Agarwal, S.S. *see* Chatterji, A.C. 9—55721

Agarwal, V. *see* Klootwijk, C. 9—88241

Agarwal, V.K. On plane waves in generalized thermoelasticity 9—50618

Agarwal, V.K. On finite anti-plane shear for compressible elastic circular tube 9—97206

Agarwala, A., Madan, M.K., Tewary, V.K. Response of a solar cell to intense and nonuniform illumination when used with solar concentrators 9—62000

Agarwala, R.P. *see* Anand, M.S. 9—77642

Agarwala, R.P. *see* Pruthi, D.D. 9—60540

Agarwala, U. *see* Medhi, O.K. 9—61286

Agaryshev, A.I., Sazhin, V.I. The role of near-critical rays in distant HF propagation 9—53619

Agasiev, A.A. *see* Abdullaev, G.B. 9—73580

Agassi, D., Ko, C.M., Weidenmuller, H.A. Transport theory of deeply inelastic heavy-ion collisions based on a random-matrix model. III. Calculation of cross sections. Comparison with the reaction Ar+Th 9—49634

Agassi, D., Koltun, D.S. Statistical theory of pion-nucleus reactions near the (3,3) region 9—85552

Agassi, D. *see* Ko, C.M. 9—49633

Agayan, G.S. *see* Akopyan, A.R. 9—58691, 9—58693

Agee, B.G. *see* Ford, G.E. 9—74588

Agee, E.M., Lomax, F.E. Structure of the mixed layer and inversion layer associated with patterns of mesoscale cellular convection during AMTEX 75 9—88416

Agee, E.M. *see* Jensen, N.O. 9—79988

Ageenkov, A.T., Valuev, E.M. Loss of tritium from irradiated uranium dioxide during oxidative processing in air 9—97831

Ageev, L.A., Miloslavskii, V.K. Transverse and longitudinal Weigert effect in thin Ag-AgHal films 9—64298

Ageev, L.A., Miloslavsky, V.K. Influence of the induced radiation frequency on the Weigert effect development in thin Ag-AgCl films 9—56878
Ageev, V.A., Shirokanov, A.D., Yankovskii, A.A. Investigation of the processes causing displacement of a capillary discharge jet 9—94817
Ageev, V.P., Andreeva, T.L., Babkin, V.I., Maslov, A.I., Sobel'man, I.I., Yukov, E.A. Possible use of alkali metals to obtain population inversion in atomic iodine 9—94221
Ageev, V.P., Barchukov, A.I., Bunkin, F.V., Konov, V.I., Puzhaev, S.B., Silenok, A.S., Chapliev, N.I. Heating of metals by CO_2 laser radiation pulses 9—91540
Ageev, V.P., Konov, V.I., Murina, T.M., Silenok, A.S., Chapliev, N.I. Investigation of the relaxation of air-breakdown plasma near a target by microwave methods 9—86616
Ageev, V.S. *see* Agapova, N.P. 9—97814
Ageeva, V.S. *see* Pugina, L.I. 9—96070
Agekyan, T.A., Belozerova, M.A. The evaporation of stars from clusters, with the development of coronas and moving clusters 9—92814
Agekyan, V.T. The complex spectra of exciton-impurity complexes in defective SnO_2 crystals 9—65926
Agekyan, V.T. Relationship between interband transitions in semiconductor and spectrum of diamagnetic excitons in moderate magnetic fields 9—91412
Agena, M., Euler, K., Franczak, B., Hinterberger, F., Rosendaal, H.D., Schmidt, H.U. External ion sources and injection lines at the Bonn isochronous cyclotron 9—54675
Ageron, P., Mampe, W. An external ultra-cold neutron source making use of down-scattering of 10 Å neutrons in liquid helium 9—68121
Ageron, P. *see* Mampe, W. 9—67932
Aggarwal, K., Mendiratta, R.G. Mossbauer investigations on thin films of $FeSi_2$ 9—87341
Aggarwal, K.M., Baluja, K.L., Setty, C.S.G.K. Interaction parameters for ionospheric gases 9—98857
Aggarwal, K.M., Nath, N., Setty, C.S.G.K. Collision frequency and transport properties of electrons in the ionosphere 9—80079
Aggarwal, M.C., Springer, G.S. High temperature-high pressure thermal conductivity of argon 9—68897
Aggarwal, M.C., Springer, G.S. High temperature-high pressure thermal conductivities of ethylene and propane 9—68898
Aggarwal, M.M. *see* Sengupta, P.K. 9—93471
Aggarwal, R.K. *see* Bhatia, G. 9—57052
Aggarwal, R.L. *see* Alavi, K. 9—60707
Aggarwal, R.L. *see* Vitins, J. 9—60721, 9—65390
Aggarwal, R.L. *see* Walukiewicz, W. 9—82983, 9—95754
Aggarwal, R.L. *see* Weiler, M.H. 9—82963
Aggarwal, S.K. *see* Singal, S.P. 9—53428
Aggarwala, B.D. *see* Ariel, P.D. 9—94591
Aggelides, S., Youngs, E.G. The dependence of the parameters in the Green and Ampt infiltration equation on the initial water content in draining and wetting states 9—79899
Aggus, J., Edwards, D., Jr., Halama, H.J., Herrera, J. Factors determining the choice of the beam tube material and the vacuum chamber design for a superconducting high energy storage accelerator 9—76199
Agha, N.H., Dahit, N.D. Studies on the preparation of Tc-99m-DTPA freeze-dried kit 9—88189
Aghan, R.L. *see* Woodward, R.L. 9—61722
Aghevli, R. Kinetic theory of inhomogeneous plasmas situated in RF fields 9—55536
Agishev, B.A., Esayan, S.Kh., Lemanov, V.V., Polkhovskaya, T.M. Temperature dependences of the attenuation and velocity of elastic waves in terbium molybdate near the phase transition point 9—73257
Agishev, B.A., Laikhtman, B.D., Lemanov, V.V., Polkhovskaya, T.M., Yushin, N.K. Electroacoustic coefficients of gadolinium and terbium molybdates near a phase transition 9—95710
Agishev, B.A., Lemanov, V.V., Yushin, N.K. Electroacoustic coefficients of lithium tantalate and niobate crystals 9—69564
Agishi, T. Mobile artificial kidneys for uremic patients to obtain more social activities 9—84022
Aglamazov, V.A., Gedevanishvili, L.D., Gokieli, V.D., Petrosyan, Zh.S., Kobulashvili, A.G., Robakidze, Z.P., Sakvarelidze, I.I., Khazaradze, N.G. Inelastic interaction of cosmic-ray muons with iron nuclei 9—84616
Agmon, D., Senitzky, I.R. Classical phase-space distributions for approximating quantum states of the harmonic oscillator 9—63145
Agmon, N., Alhassid, Y., Levine, R.D. An algorithm for finding the distribution of maximal entropy 9—49183
Agnelli, G., Nanni, D., Pitella, G., Trevese, D., Vignato, A. A new computerized method for plate calibration: an application to photometry of galaxies 9—92677
Agnew, D.C., Sieh, K.E. A documentary study of the felt effects of the great California eathquake of 1857 9—84128
Agnew, D.C. *see* Berger, J. 9—92604
Agnew, L., Baldwin, T.S., Grisham, D.L., Holmberg, R.C., Lambert, J.E., Lindquist, L.O., Reiswig, R.D., Thorn, L.L. Graphite targets for use in high intensity beams at LAMPF 9—68107
Agnihotri, O.P., Gupta, B.K., Thangaraj, R. $Cd_{1-x}Zn_xS$-PbS heterojunctions prepared by spray pyrolysis 9—60917
Agnihotri, O.P., Jain, A.K., Gupta, B.K. X-ray investigations on Bridgemann-grown $Pb_{1-x}Sn_xSe$ and $Pb_{1-x}Sn_xTe$ single crystals 9—56926
Agnihotri, O.P. *see* Gupta, B.K. 9—62034
Agnihotri, R.C. *see* Mehrotra, C. 9—77745
Agogino, A.M. Notch effects, stress state, and ductility 9—61829
Agoritsas, V., Witkover, R.L. Tests of SEC stability in high flux proton beams 9—72077
Agostinelli, C. *see* Ignat, M. 9—94777
Agostinelli, J., Harvey, G., Stone, T., Gabel, C. Optical pulse shaping with a grating pair 9—89940
Agostini, P., Fabre, F., Mainfray, G., Petite, G., Rahman, N.K. Free-free transitions following six-photon ionization of xenon atoms 9—54824
Agoston, M. Bio-feedback applied to measure physiological parameters 9—100774
Agranat, M.B., Benditskii, A.A., Gandel'man, G.M., Devyatkov, A.G., Kondratenko, P.S., Makshantsev, B.I., Rikman, G.I., Stepanov, M.B. Inertialess radiation of metals interacting with ultrashort coherent IR pulses 9—95879
Agranat, M.B. *see* Pilipetskii, N.F. 9—86207
Agranat, V.M., Bertsun, V.N., Grishin, A.M., Zinchenko, V.I. Formulation and solution of certain new conjugate (interactive) problems of transient heat and mass exchange between reacting solids and flows of reactive gases 9—77104
Agranat, V.M. *see* Golovichev, V.I. 9—79253
Agranat, V.M. *see* Grishin, A.M. 9—86320
Agranovich, I.M. *see* Freidzon, Ya.S. 9—55665
Agranovich, V.M., Dubovskii, O.A. Surface polaritons due to spatial dispersion 9—69438
Agranovskii, B.A. *see* Lomsadze, Yu.M. 9—97609
Agranovskii, M.L. Intensity characteristics of phase-frequency signals 9—94176
Agrawal, A.K. *see* Butler, E.M. 9—67269
Agrawal, A.K. *see* Pednekar, S.P. 9—100287
Agrawal, A.K. *see* Weaver, W.L., III. 9—59136
Agrawal, A.K. *see* Yang, J.W. 9—54485
Agrawal, B.K., Djafari-Rouhani, B., Dobrzynski, L. Thermal expansion and stability of (111) adsorbate-substrate systems of rare gases 9—69352
Agrawal, B.K., Tripathi, S., Misra, A.K., Talwar, D.N. Infrared absorption and first-order Raman scattering due to single and paired impurity atoms in dilute Ge:Si alloys 9—82976
Agrawal, B.S. *see* Bahar, E. 9—72462
Agrawal, D.P. *see* Raghava, A.K. 9—70417, 9—77316
Agrawal, G.G. *see* Shanker, J. 9—82910
Agrawal, G.P., Carmichael, H.J. Optical bistability through nonlinear dispersion and absorption 9—76653
Agrawal, G.P., Pattanayak, D.N. Gaussian beam propagation beyond the paraxial approximation 9—72476
Agrawal, G.P. *see* Lax, M. 9—94263
Agrawal, G.P. *see* Louisell, W.H. 9—94258
Agrawal, H.C., Pal, S. A new design of a solar pumping system 9—70459
Agrawal, M.S., Sood, P.C., Pant, G.C. Efficacy of a silver filter in reducing the surface dose in ^{60}Co teletherapy 9—79641
Agrawal, P. *see* Rothschild, R. 9—58248
Agrawal, P.C., Riegler, G.R. An intense soft high-latitude X-ray source H2156—304: a new BL Lacertae object? 9—92891
Agrawal, R.D., Mathur, V.N.S., Kapoor, M.L. Thermodynamics of binary copper-bearing substitutional solutions 9—77761
Agrawal, S.P. *see* Nigam, S.K. 9—84622
Agrawal, S.P. *see* Sharma, R.M. 9—84607
Agrawal, S.P. *see* Shukla, A.K. 9—84764
Agrawal, V.K. Hexagonal-rhombohedral phase transformation in crystals 9—91643
Agrawal, V.K. *see* Sharma, S.D. 9—69044
Agrawala, V.K. Wigner-Eckart theorem for graded generalized Lie algebras 9—97528
Agre, M.Ya., Rapoport, L.P. Variational principles for the scattering problem in the presence of a strong electromagnetic wave 9—93329
Agre, M.Ya., Rapoport, L.P. Nonresonant transitions and ionization of atoms in slow collisions occurring in a laser field 9—94078
Agrell, S.O. *see* Hutchison, R. 9—75166
Agren, H. *see* Muller, J. 9—59512
Agrenich, E.A. *see* Khain, A.P. 9—58053
Agroskin, L.S., Papayan, G.V., Rautian, L.P. Experimental study of the fogging field glare created by light-transmitting micro-objectives 9—75590
Agroskin, V.Ya., Bravyi, B.G., Vasil'ev, G.K., Kir'yanov, V.I. Analysis of a calculation model for a pulsed DF-CO_2 chemical laser 9—94226
Agroskin, V.Ya., Vasil'ev, G.K., Kir'yanov, V.I., Tal'roze, V.L. Comparative investigation of pulsed HF and DF-CO_2 chemical lasers 9—64219
Agt, S.L.Th.J.Van *see* Van Agt, S.L.Th.J.
Agterberg, F.P., Fabbri, A.G. Spatial correlation of stratigraphic units quantified from geological maps 9—62508
Agu, M. Estimation of the dyadic Green's function of the electromagnetic field in an unstable medium with the use of a random current source 9—94129
Aguer, P. *see* Korner, H.J. 9—89221
Agui, T., Nakajima, M. Influence of viscosity of liquid used for electrostatic drop formation 9—55024
Agui, T., Nakajima, M. Fundamental study of the electrostatic drop formation using liquid 9—57302
Aguilar, A. Fibre optics transmission: components 9—94348
Aguilar, A. Fiber optics transmission design analysis 9—94349
Aguilar, F., Tuttle, P.G., Phillips, R.E., Refling, J.G. Multidimensional wave propagation with FLASH-genre codes 9—59194
Aguilar, J. *see* Mengual, J.I. 9—52768
Aguilar, M., Chandler, P.J., Townsend, P.D. Luminescence of NaCl. I. Electron and ion beam excited spectra 9—52026
Aguilar, M., Mateos, F., Pardo, M., Quintana, J.A. Directional effect of light in a photographic emulsion 9—67400
Aguilar, M. *see* Agullo-Lopez, F. 9—60361
Aguilar S, G. *see* Murieta S, H. 9—87311
Aguilar-Benitez, M. Multipole moments for the study of mixed spin reactions 9—97611
Aguilar-Benitez, M., Albajar, M.C., Rubio, J.A., Salicio, J. Amplitude analysis of the reaction $K^-p \rightarrow \Lambda\rho(760)$ 9—80847
Aguilar-Benitez, M., Barreiro, F. Amplitude analysis of the reaction $K^-p \rightarrow \rho^-(760)\Sigma^+(1385)$ 9—97635
Aguilo, M. *see* Rodriguez, R. 9—99090
Aguirre, C., Anda, R., Trepp, A., Kakimoto, F., Mizumoto, Y., Suga, K., Izu, N., Kamouchi, Y., Inoue, N., Kawai, S., Kaneko, T., Yoshii, H., Goto, E., Nishi, K., Nakatani, H., Yamada, Y., Tajima, N., MacKeown, P.K., Murakami, K. Arrival-time distributions of muons and electrons in large air showers observed at 5200 m above sea level. Bolivian air shower joint experiment 9—62699
Aguirre, F. *see* Triday, J. 9—77738
Aguirre-Ramirez, G. Application of cubic splines to a moving boundary problem 9—75475
Agullo-Lopez, F., Aguilar, M. On the space distribution of F centers: the pair correlation function 9—60361
Agullo-Lopez, F. *see* Lopez, F.J. 9—55736
Agurok, A.B. Determination of chromatic aberrations of the components of an apochromatic pancratic objective 9—76795
Agurok, I.P. *see* Zverev, V.A. 9—76894
Agusti, J. *see* Olsen, J.O. 9—68314
Agyeman, K., Muller, R., Tsuei, C.C. Alloying effect on superconductivity in amorphous lanthanum-based alloys 9—60951
Ahalt, S., Claus, R.O. Effect of spherical inclusion defects upon the propagation of laser light in isotropic solids 9—76741
Aharoni, A. A simple method for computing wall twist in high-Q bubble materials 9—69704
Aharoni, A. *see* Arrott, A.S. 9—82826
Aharoni, H. Measurement of the lattice constant of Si-Ge heteroepitaxial layers grown on a silicon substrate 9—69382
Aharoni, S.M. Instantaneous shape and segmental density of flexible macromolecules. II. Observation of individual and aggregate poly-cis-isoprene molecules in polyisobutylene 9—68339
Aharonov, Y., Au, C.K. New approach to perturbation theory 9—71289
Aharonov, Y., Casher, A. Ground state of a spin-1/2 charged particle in a two-dimensional magnetic field 9—80778
Aharony, A., Imry, Y. A spin-glass description of the Mott transition 9—65386
Aharony, A. *see* Fishman, S. 9—73756
Aharony, A. *see* Pfeuty, P. 9—65692
Ahearn, J.S., Mills, J.J., Westwood, A.R.C. Chemomechanical effects in ZnO 9—82431
Ahearn, J.S., Mills, J.J., Westwood, A.R.C. Short-time chemomechanical effects in MgO 9—87749
A'Hearn, M.F., Millis, R.L., Birch, P.V. Gas and dust in some recent periodic comets 9—70997
Aherne, W.A., Diggle, P.J. The estimation of neuronal population density by a robust distance method 9—70721
Ahgren, B. *see* Lindstrom, O. 9—52930
Ahgren, R. *see* van Heusden, G.C.L. 9—54689
Ahlberg, L.A., Buck, O., Paton, N.E., Fisher, E.S. Note on effects of hydrogen on anisotropic elastic properties of BCC Ti-alloys 9—74192
Ahlberg, L.A. *see* Elsley, R.K. 9—52614
Ahlbom, K. *see* Eriksson, K.G. 9—74488
Ahlborn, B. Nernst-Wienecke equilibrium in linear magnetized plasmas 9—94812

Ahlborn, K. Diffusion of gallium in germanium along dislocations 9—82385

Ahlen, S.P., Salamon, M.H. Optical Cerenkov radiation from microscopic $BaSO_4$ grains 9—56880

Ahlen, S.P. *see* Tarle, G. 9—70937

Ahlers, G., Behringer, R.P. The Rayleigh-Benard instability and the evolution of turbulence 9—77074

Ahlers, M. The stability of martensite in Cu-Zn alloys 9—91650

Ahlers, M. *see* Rapacioli, R. 9—61586

Ahlf, J. *see* Hattenbach, K. 9—67846

Ahlgren, D. *see* Borgenicht, F. 9—79713

Ahlgren, D.C., Kopelman, R. Experimental test of the Anderson-Mott transition model for excitation transport 9—65914

Ahlgren, D.C., Monberg, E.M., Kopelman, R. Time resolved exciton migration in mixed naphthalene crystals: triplet and singlet critical concentrations 9—78010

Ahlgren, F. *see* Kraft, R.P. 9—59897

Ahlgren, J., Winnberg, A., Lipke, D.P. Electromyography of the digastric muscles and opening force of the mandible 9—74619

Ahlgren, M. Structural studies on solid nickel (II) and copper (II) complexes formed by substituted ethylenediamines and monocarboxylates 9—82182

Ahlman, R.S., Barton, H.R., Jr., Harder, J.E., Hodge, G.A., Hoover, J.A., Price, M.E., Rihel, R.K., Sauter, V.T., Walker, R.J., Wilslef, D.M. Central liquefier for the Fermilab Tevatron 9—67991

Ahlman, R.S., Barton, H.R., Jr., Harder, J.E., Hodge, G.A., Hoover, J.A., Price, M.E., Rihel, R.K., Sauter, V.T., Walker, R.J., Wilslef, D.M. Process control system for the Tevatron liquefier 9—72012

Ahlrichs, R. Many body perturbation calculations and coupled electron pair models 9—59363

Ahluwalia, D.S. *see* Stickler, D.C. 9—90065

Ahluwalia, H.S. *see* Sengupta, G. 9—56072

Ahluwalia, R.K. *see* Doss, E. 9—83604

Ahmad, A. *see* Ali, M.M. 9—98617

Ahmad, C.N., Adams, A.R., Pitt, G.D. Temperature dependence of the electron mobility in the Δ_{1c} minima of germanium 9—65473

Ahmad, C.N. *see* Greene, P.D. 9—95523

Ahmad, I., Khan, Z.A. Scattering of intermediate energy protons on ^{6}Li and the α-d cluster model 9—85476

Ahmad, I., Sheridan, N. The evaluation of passive solar energy systems for buildings 9—62145

Ahmad, I., Yates, S.W., Sjoblom, R.K., Friedman, A.M. Proton states in ^{247}Bk excited by ^{246}Cm(α,t) reaction and ^{247}Cf (electron capture) and ^{251}Es (α) decays 9—89224

Ahmad, J., Loo, F.T.C. Solution of plate bending problems in fracture mechanics using a specialized finite element technique 9—77011

Ahmad, M., Jallu, M.S. Heavy quark and magnetic moment 9—71723

Ahmad, M. *see* Gul, K. 9—80932

Ahmad, M. *see* Sofi, G.Q. 9—80814

Ahmad, M. *see* Zadoo, T.K. 9—97573

Ahmad, M.F. *see* Thakur, L. 9—83495

Ahmad, N. Quantitative dimensional characterization of polymer single crystals from their light scattering in streaming systems 9—69852

Ahmad, N. *see* Beg, M.M. 9—90746

Ahmad, N. *see* Gupta, R.G. 9—78509

Ahmad, N. *see* Nazar, F.M. 9—99646

Ahmad, R., Mian, H. Relativistic energy and momentum triangles 9—88803

Ahmad, S., Islam, M.M., Khan, A.H., Khaliquzzaman, M., Husain, M., Rahman, M.A. The energy dependence of fission fragment anisotropy in fast-neutron-induced fission of uranium-235 9—80962

Ahmad, S., Newman, D.J. Many-body calculation of correlation contributions to the nuclear antiscreening factor γ_∞ in Pr^{3+} 9—56153

Ahmad, S., Powar, M.S., Singh, M. Experimental study of thick-target bremsstrahlung spectrum of ^{32}P β radiation 9—83049

Ahmad, S.S. On a one-particle in continuum approach for the photoreaction cross sections 9—93604

Ahmad, S.Y. *see* Merilo, M. 9—85603

Ahmadi, G. Stability of a Cosserat fluid layer heated from below 9—50702

Ahmadi, G. Heat conducting microfluids 9—72776

Ahmadi, G. Special theories of heat conducting microfluids 9—98705

Ahmadi, G., Akbarzadeh, A. Computer simulation of the performance of a solar pond in the southern part of Iran 9—62096

Ahmadi, G., Satter, M.A. Response of plate to nonstationary random load 9—68471

Ahmadi, G., Sohrabpour, S. Elasto-viscoplastic-viscous theories of granular and porous media 9—76982

Ahmadi, G., Sohrabpour, S. Theory of micropolar plasticity 9—94504

Ahmadi, G. *see* Akbarzadeh, A. 9—62093

Ahmadi, G. *see* Farshad, M. 9—72846

Ahmadi, G. *see* Mostaghel, N. 9—76086

Ahmadi, G. *see* Shahinpoor, M. 9—50705

Ahmadi, J., Potts, D.G. A new device for myelography 9—92369

Ahmadi, S., Constantinides, A.G. Linear prediction of formants for low bit rate digital speech transmission 9—59880

Ahmadjian, M. *see* Brown, C.W. 9—54205

Ahmed, A. *see* Porstendorfer, J. 9—66367

Ahmed, A.A., El-Shamy, T.M., Sharaf, N.A. Origin of blue and green coloration in sulphur containing alkali borate glasses 9—87470

Ahmed, A.A. *see* Ghoneim, N.A. 9—74141

Ahmed, A.M. *see* Sedahmed, G.H. 9—57143

Ahmed, A.S. *see* Shahein, H.I. 9—83741

Ahmed, H. *see* Cosslett, V.E. 9—97475

Ahmed, H. *see* McMahon, R.A. 9—79128

Ahmed, J. *see* Afzal, M. 9—63904

Ahmed, K., Murtaza, G. Quantum corrections for a system of interacting phonons and the modified Korteweg-de Vries equation 9—60454

Ahmed, K.M. Free vibrations of skirt supported pressure vessels by finite element method 9—68632

Ahmed, M., Metherell, A.F., Wang, K.Y. Holography and its application to acoustic imaging 9—64411

Ahmed, M., Sagalyn, R.C., Wildman, P.J.L., Burke, W.J. Topside ionospheric trough morphology: occurrence frequency and diurnal, seasonal, and altitude variations 9—53645

Ahmed, M., Wade, G. Bragg-diffraction imaging 9—64463

Ahmed, M. *see* Wigeland, R.A. 9—60074

Ahmed, Md.I. *see* Devara, P.C.S. 9—84753

Ahmed, S. On the zeros of confluent hypergeometric functions. I. An infinite system of nonlinear equations 9—92922

Ahmed, S. On the zeros of confluent hypergeometric functions. II. Higher-order nonlinear equations and sum rules 9—92923

Ahmed, S. Relationship between equilibrium configurations of certain dynamical systems and zeros of Laguerre polynomials 9—97182

Ahmed, S. *see* Quittner, E. 9—96469

Ahmed, S.B. *see* Sriramulu, V. 9—57493

Ahmed, S.F. *see* Malik, M.A.S. 9—62130

Ahn, K.Y., Tuxford, A.M. Control of coercivity in NiFe films for single-level masking bubble devices 9—51816

Ahn, K.Y. *see* Herd, S.R. 9—82847

Ahn, K.Y. *see* Kane, S.M. 9—77938

Ahn, K.Y. *see* Kryder, M.N. 9—82843

Ahn Sang Ho *see* Sang Ho Ahn

Ahnonen, A.I., Alvesalo, T.A., Haavasoja, T., Veuro, M.C. Surface induced ferromagnetism in ^{3}He 9—51362

Ahola, H., Ehnholm, G.J., Islander, S.T., Rantala, B. Nuclear spin-lattice relaxation time in tin 9—63212

Ahonen, A.I., Gully, W.J., Lounasmaa, O.V., Veuro, M.C. A refrigerator with a double nuclear stage for research on superfluid ^{3}He 9—58704

Ahonen, A.I., Lounasmaa, O.V., Veuro, M.C. Measurements of the thermal boundary resistance between ^{3}He and silver from 0.4 to 10 mK 9—56000

Ahong Wei-Zhuo The crystallization habit and defects of synthetic quartz 9—69041

Ahopelto, J., Rantavuori, E., Keski-Rahkonen, O. $K\alpha^{h}$ hypersatellite spectra in photon excitation and K shell double photoionization cross section for transition metals Ti, Cr, Fe, and Ni 9—85922

Ahouse, D.R. *see* Kellen, P.F. 9—76736

Ahrenkiel, R.K., Moser, F., Lyu, S.L., Coburn, T.J. Electronic properties of anodic oxides grown on $GaAs_{0.6}P_{0.4}$ 9—61771

Ahrens, F.W. *see* Berghmans, J.A. 9—83639

Ahrens, H.W. Plastics as a means of corrosion control 9—96211

Ahrens, K., Schaack, G. Phonon self-energies and 4f-electron-phonon interaction in $Ce_cLa_{1-c}F_3$ 9—65159

Ahrens, L.A. *see* Gibbard, B.G. 9—71756

Ahrens, T.J. Equations of state of iron sulfide and constraints on the sulfur content of the Earth 9—70789

Ahrens, T.J. *see* Jackson, I. 9—84242

Ahrens, T.J. *see* Raikes, S.A. 9—92527

Ahsan, M.A. *see* Beg, M.N. 9—57294

Ahston, R.A., Glaberson, W.I. Vortex waves in superfluid ^{4}He 9—51323

Ahtee, M., Kurki-Suonio, K., Lucas, B.W., Hewat, A.W. Determination of molecular orientations in cubic ND_4NO_3 by multipole analysis 9—73136

Ahtee, M. *see* Lucas, B.W. 9—60314

Ahtee, M. *see* Suortti, P. 9—86651

Ahuja, A.S. Scattering of sound in suspensions of spheroidally shaped particles 9—98539

Ai, B., Stoka, C.P., Hoang The Giam, Destruel, P. Determination of dielectric relaxation time as a function of pressure and temperature by the thermally stimulated current method 9—87381

Ai, B. *see* Segui, Y. 9—77821

Ai Bui *see* Bui Ai

Ai Viet Nguyen *see* Nguyen Ai Viet

Aiba, J. *see* Furukawa, T. 9—87394

Aibara, M. *see* Senda, T. 9—96118

Aichbhaumik, D. Steel variability effects on low cycle fatigue behavior of a single grade of high strength low alloy steel 9—57100

Aida, H. *see* Suzuki, K. 9—94522

Aida, M. *see* Fujii, Y. 9—83531

Aida, T. Effect of the colors of illuminating light on human discrimination for visual-targets 9—53135

Aida, T., Futamoto, M., Kawabe, U. Chemical and electrolytic reaction between LaB_6 rods and HNO_3 aqueous solution 9—87850

Aida, T. *see* Koga, T. 9—54175

Aidinova, D.M., Aleksandrov, A.A., Bukki, S.M., Kushin, V.V., Lyapidevskii, V.K., Muminov, R.A., Yafasov, A.Ya. Characteristics of gallium arsenide semiconductor radiation detectors 9—68139

Aifantis, E.C. Continuum basis for diffusion in regions with multiple diffusivity 9—77801

Aifantis, E.C. Comments on the calculation of the formation volume of vacancies in solids 9—95201

Aihara, M. Polarization effects of resonance Raman scattering in a linearly-coupled localized-electron phonon system 9—91428

Aihara, Y. *see* Maeyama, H. 9—81192

Aikala, O. Calculation and use of Fourier transforms of Compton profiles 9—83050

Aikala, O. Theoretical Compton profiles of LiF crystal 9—95871

Aikawa, M. *see* Turro, N.J. 9—83513

Aikawa, M. *see* Yekta, A. 9—79297

Aiken, S., Clancy, M., Erdelyi, E. Beam pointing control system for visible to infrared wavelengths 9—98426

Aiken, S.R. Characteristics of bismuth (Bi) photopot position-sensing detectors and their use in adaptive optical systems 9—59741

Aiki, K. *see* Doi, A. 9—59710

Aikura, T. *see* Kanaoka, C. 9—64760

Ailawadi, N.K. *see* Bansal, R. 9—55651

Ailion, D.C. *see* Stokes, H.T. 9—65751, 9—65766

Ailion, D.C. *see* Wei, S.H.N. 9—78542

Ailleret, P. Energy units for electricity and fuels and energy balance sheets 9—92053

Aiman, W.R. *see* Hill, R.W. 9—87951

Aime, C., Kadiri, S., Ricort, G., Roddier, C., Vernin, J. Measurements of stellar speckle interferometry lens-atmosphere modulation transfer function 9—101078

Aime, C. *see* Martin, F. 9—80513

Aime, C. *see* Ricort, G. 9—88634

Ain el Hiah Abd el Haleem *see* Svare, I. 9—51876

Ainhorn, M. *see* Weiser, K. 9—69527

Ainitdinov, Kh.A., Borovitskii, S.I., Malinovskii, L.L. Nonstationary Josephson effect at a point junction under high voltage 9—60987

Ainsaar, A., Kiiranen, K., Koiv, M. Symmetries arising in generalized string action 9—49038

Ainshtein, V.G. *see* Gel'perin, N.I. 9—90336

Ainslie, B.J., Day, C.R., France, P.W., Beales, K.J., Newns, G.R. Preparation of long lengths of ultra-low-loss single-mode fibre 9—76893

Ainslie, P.J., Boston, J.R. A dual-processor system for evoked potential research 9—79712

Ainslie, P.J. *see* Boston, J.R. 9—57790

Ainsworth, E.J. *see* Yang, V.V. 9—57725

Ainsworth, S. *see* Kinderlerer, J. 9—79454

Airapetov, A.Sh., Dudnikova, V.B., Lebedeva, V.N., Rozin, K.M., Shaskol'skaya, M.P. Decomposition of the solid solution in the system KCl:Pb 9—96030

Aires, M.de Mello *see* de Mello Aires, M.

Airey, D.R. A rapid-scanning polychromator for time-resolved temperature and radius measurements in 40 kA SF_6 arcs 9—50907

Airey, G.P. The effect of carbon content and thermal treatment on the SCC behavior of Inconel alloy 600 steam generator tubing 9—91844

Airey, G.P. *see* Pessall, N. 9—91841

Airoldi, G. Acoustic emission and deformation processes in nuclear vessel steels 9—74212

Airoldi-Crescentini, A. *see* Orefice, A. 9—98960

Airth, G.R. X-ray image intensifiers: Applications and current limitations 9—79644

Aisah, A.A.Nor *see* Nor Aisah, A.A.

Aisaka, T. *see* Haga, E. 9—65662

Aisenberg, R. *see* Kuc, R.B. 9—57702

Ait-Salem, M., Springer, T., Heidemann, A., Alefeld, B. Investigation of the self-diffusion in solid sodium using quasielastic neutron scattering 9—90818

Aita, C.R., Weertman, J. The effect of microstructure on fatigue crack propagation in iron-carbon alloys 9—79097

Aita, S. *see* Tagawa, T. 9—51007

Aitchison, I.J.R. Minimal relativistic dynamics of the 3π and $\pi\pi$N systems 9—75702

Aitchison, I.J.R., Brehm, J.J. Are there important unitarity corrections to the isobar model? 9—71762

Aitken, D.K., Roche, P.F., Spenser, P.M., Jones, B. Infrared spatial and spectral studies of an ionization front region in the Orion Nebula 9—75261

Aitken, R.G., Kouvel, J.S. Spin-glass-like distribution of interaction fields in a nearly ferromagnetic Ni-Cu alloy 9—91243
Aitken, R.J. *see* Emmett, P.C. 9—96719
Aitkenhead, W. *see* Cutts, D. 9—85346
Aitov, T.N., Kalyutik, A.I., Tananaev, A.V. Numerical investigation of three-dimensional MHD flow in a curved channel of rectangular cross section 9—94734
Aittoniemi, K., Karp, P.J., Katila, T., Kuusela, M.L., Varpula, T. On balancing superconducting gradiometric magnetometers 9—63285
Aiura, M. *see* Hashimoto, T. 9—61922
Aivazov, M.I., Aleksandrovich, S.V., Evseev, B.A., Mkrtchyan, V.S., Sorokin, V.N. Magnetic properties of solid solutions $Ce_xLa_{1-x}B_6$ 9—91212
Aivazov, M.I., Aleksandrovich, S.V., Mkrtchyan, V.S. Magnetic properties of $Ce_xEu_{1-x}B_6$ solid solutions 9—73674
Aivazov, M.I., Bashilov, V.A. Electron thermal conductivity of titanium nitride 9—86937
Aiyama, T., Fukunaga, T., Niihara, K., Hirai, T., Suzuki, K. An X-ray diffraction study of the amorphous structure of chemically vapor-deposited silicon nitride 9—87013
Aiyama, T., Ino, S. RHEED observation of the Si $(111)(\sqrt{31}\times\sqrt{31})R\pm9°$-In structure 9—60612
Aizawa, K. *see* Kunitomo, T. 9—62110
Aizawa, M., Hirano, M., Suzuki, S. Photoelectrochemical oxygen evolution from water by a manganese chlorophyll-liquid crystal electrode 9—83719
Aizawa, M., Morioka, A., Suzuki, S. Enzyme immunosensor. II. Electrochemical determination of IgG with an antibodybound membrane 9—53293
Aizawa, Y. Stochastic process of nucleation in the early stage 9—80521
Aizenman, M. Instability of phase coexistence and translation invariance in two dimensions 9—80541
Aizenman, M., Bak, T.A. Convergence to equilibrium in a system of reacting polymers 9—52624
Aizenshtat, L.I. Large set of spectacle test lenses 9—92427
Aizentson, A.E. Mass spectrometry of a gas-discharge 9—82100
Aizu, H. *see* Nishimura, J. 9—80153
Aizu, K. Another pattern of incommensurate modulation in a substance like ammonium Rochelle salt. Its relationship to incommensurate ferroelectricity 9—61311
Aizu, K. Transition sequences 9—65194
Aizu, K. Comprehensive tabulation of the four categories of ferroic point groups derived from each of the 31 prototype point goups 9—82169
Ajaja, O., Ardell, A.J. A phenomenological theory of transient creep 9—60428
Ajaja, O., Ardell, A.J. Microstructure and transient creep in an austenitic stainless steel 9—61675
Ajakaiye, D.E. *see* Verheijen, P.J.T. 9—57894
Ajello, J.M., Chutjian, A. Line shapes for attachment of threshold electrons to SF_6 and $CFCl_3$: Threshold photoelectron (TPSA) studies of Xe, CO, and C_2H_2 9—89708
Ajello, J.M., Reyermann, P. A photoionization study of ion pair formation from $CFCl_3$ 9—89718
Ajinenko, I.V. *see* de Wolf, E.A. 9—49543
Ajiro, Y., Hamashima, M., Kubo, T. Three-dimensional ordering of impurity-doped TMMC in a magnetic field 9—78414
Ajiro, Y., Matsukawa, S. Characteristic ESR modes of the 1D Ising ferromagnet $CoCl_2.2NC_5H_5$ 9—91287
Ajiro, Y. *see* Endoh, Y. 9—61140
Ajvazov, M.I., Aleksandrovich, S.V., Bashilov, V.A., Mkrtchyan, V.S. Magnetic susceptibility of hafnium diboride 9—82749
Ajzenberg-Selove, F. Energy levels of light nuclei A=5-10 9—49583
Ajzenberg-Selove, F., Flynn, E.R., Hanson, D.L., Orbesen, S. Mass and excited states of ^{100}Nb 9—63581
Ajzenberg-Selove, F., Flynn, E.R., Hanson, D.L., Orbesen, S. Levels in $^{78,80,82}As$ from the $^{78,80,82}Se(t,^3He)$ reactions 9—63595
Akaba, N., Suzuki, S., Takagi, M. Domain formation in ferroelectric $BaTiO_3$ studied by X-ray topography. I 9—65815
Akaba, N. *see* Takagi, M. 9—78638
Akabor, M., Uchida, K., Noda, K., Tanifuji, T., Nasu, S. Tritium release due to a recoil process from Li_2O pellets 9—85767
Akaboshi, M., Kawai, K., Maki, H. Lethal effects of the complex of bleomycin with high specific activity ^{64}Cu on Ehrlich ascites tumour cells 9—57709
Akaboshi, M. *see* Kawamoto, K. 9—66305
Akagi, N. *see* Nakayama, J. 9—55271
Akagi, S. *see* Fukushima, H. 9—95954
Akaishi, Y. *see* Lim, T.K. 9—72378
Akaishi, Y. *see* Nakaichi, S. 9—86026
Akama, K. Quantum mechanical equivalence of two lagrangian formalisms in 'scalar pregeometry' 9—54024
Akama, K. *see* Terazawa, H. 9—85253
Akanuma, S. *see* Kobayashi, N. 9—89756, 9—89758
Akao, F. *see* Tokumura, M. 9—77848
Akao, M. *see* Nukui, A. 9—65020
Akao, Y. *see* Ninagawa, C. 9—68404
Akaogi, M., Akimoto, S. High-pressure phase equilibria in a garnet lherzolite with special reference to Mg^{2+}-Fe^{2+} partitioning among constituent minerals 9—66687
Akasaka, Y. *see* Murakami, K. 9—69122
Akashi, H., Imai, H., Moustafa, K.A.F. Computationally economical identification technique for multivariate air pollution models 9—57545
Akashi, H., Kumamoto, H. Optimal discharge control for sulfur dioxide gas pollution of Osaka city, Japan 9—52993
Akashi, H. *see* Sawaragi, Y. *(editor)* 9—52962
Akashi, K. *see* Yoshida, T. 9—70026
Akashi, M., Konisho, E., Nanjo, H., Watanabe, Z., Ohta, I., Misaki, A., Mizutani, K., Kasahara, K., Torii, S., Yuda, T., Mito, I., Shirai, T., Tateyama, N., Taira, T., Shibata, M., Sugimoto, H., Taira, K. Large-scale emulsion chamber experiment at Mt. Fuji 9—63562
Akasofu, S.I. Relationship between the growth of the ring current and the interplanetary quantity ε 9—75057
Akasofu, S.-I. Radial deformation of the solar current sheet as a cause of geomagnetic storms 9—84623
Akasofu, S.-I., Merritt, R.P. Electric currents in power transmission line induced by auroral activity 9—62640
Akasofu, S.-I. *see* Horwitz, J.L. 9—101023
Akasofu, S.-I. *see* Kan, J.R. 9—53608
Akasofu, S.-I. *see* Wagner, J.S. 9—66879
Akatkin, O.A. Evaluation of calibration constants of ionization detectors of long-wave bremsstrahlung 9—68147
Akatov, Yu.P., Korobetskii, V.N., Maslachenko, L.A., Fesenko, A.D., Yakubovich, Yu.V. Nondestructive method for determination of the mechanical properties of steel on the KF-1 coercimeter 9—87769
Akay, G. Non-steady two-phase stratified laminar flow of polymeric liquids in pipes 9—81832
Akazaki, M. *see* Hara, M. 9—82114
Akazawa, H. *see* Hattori, T. 9—78775
Akazawa, K., Fujii, K., Mashima, H. A mathematical model for the contractile mechanism of cardiac muscle 9—57632
Akazawa, K., Kajiyama, S., Fujii, K. Adaptive control characteristics of the stretch reflex system in human forearm 9—83758
Akazawa, K. *see* Fujii, K. 9—66479
Akbari, H., Borgers, T.R. Free convective laminar flow within the Trombe wall channel 9—86397
Akbarzadeh, A., Ahmadi, G. Yield of ground storage of heat in solar ponds 9—62093
Akbarzadeh, A. *see* Ahmadi, G. 9—62096
Akbay, U., Becker, E. Nearly viscometric glide bearing fluid 9—81830
Akcakaya, E., Farnell, G.W. Reflection of acoustic surface waves from a row of dots 9—90052
Akcakaya, E. *see* Farnell, G.W. 9—64472
Akchurin, M.S. *see* Govorkov, V.G. 9—82278
Akchurin, M.Sh. *see* Stepantsov, E.A. 9—56053
Akchurin, R.Kh. *see* Ufimtsev, V.B. 9—87589
Akdeniz, K.G., Smailagic, A. Classical solutions for Fermionic models 9—67463
Ake Oberg, P. *see* Per Ask 9—88208
Akehata, T. *see* Matsuura, A. 9—50789
Aken, P.B.van *see* van Aken, P.B.
Akensov, E.T., Esepkina, N.A., Lipovskii, A.A. Plane optical waveguide formed by K^+ diffusion in glass 9—90043
Akerhielm, F. *see* Espefalt, R. 9—97853
Akerlof, C.W. High energy physics detectors—limits to growth 9—89537
Akerlof, C.W. *see* Finley, D.A. 9—49626
Akerloff, C.W. *see* Finley, D.A. 9—49625
Akerman, K. Labelling of materials with short-lived radioisotopes produced at the place of application 9—89503
Akerman, M.A. *see* Wampler, F.B. 9—64034
Akers, F. *see* Maklad, M.S. 9—50417
Akgaev, A. *see* Vasil'eva, R.P. 9—91030
Akhalaya, T.G. *see* Grigorenko, Ya.M. 9—98618
Akhamnov, S.A., Borisov, A.Yu., Danelyus, R.V., Kozlovskii, V.S., Piskarskas, A.S., Pazzhivin, A.P. Picosecond energy transfer between the spectral forms of the pigments of the reaction centre of Rhodospirillum rubrum 9—92182
Akhant'ev, V.P., Ivlev, V.I., Kurbatov, V.P., Kozlov, A.P. Saturation of steel with nitrogen during gas carbonitriding 9—57152
Akhiezer, A.I., Akhiezer, I.A., Shulga, N.F. Theory of relativistic electron and positron bremsstrahlung in crystals 9—61459
Akhiezer, A.I., Berezhnoi, Yu.A., Khomenko, G.A., Shlyakhov, N.A. Polarization of nucleons in nuclear diffractive scattering 9—89285
Akhiezer, I.A. A possible first-order phase transition in the magnetic ordering of metals 9—95589
Akhiezer, I.A., Davydov, L.N. Elastic stopping of fast heavy ions by electrons in solids 9—51179
Akhiezer, I.A. *see* Akhiezer, A.I. 9—61459
Akhlyustin, V.I., Petukhov, Yu.M. Use of averaging method in the problem of interaction between atoms and radio-frequency fields 9—81172
Akhmanaev, V.B., Medvedev, Yu.V. Contactless measurement of semiconductor-wafer thickness 9—67264
Akhmatova, O.P. *see* Krinchik, G.S. 9—82953
Akhmed, M.R. *see* Avchukhov, V.D. 9—75842
Akhmed, M.R. *see* Avchukov, V.D. 9—75841
Akhmediev, N.N., Samoilenko, V.D. Optical waveguide with mode selection 9—98495
Akhmedli, G.T. *see* Kakhramanov, K.Sh. 9—95429
Akhmedov, A.A. *see* Abdinov, A.Sh. 9—51632
Akhmedov, K.R. *see* Abosov, S.A. 9—52396
Akhmedzhanov, F.R., Lemanov, V.V., Nasyrov, A.N., Petrov, A.V. Damping of elastic waves in an NaCl crystal with manganese impurity 9—69198
Akhmedzhanov, Z.I., Loshmanov, A.A., Litvin, D.F., Yamzin, I.I. Temperature block for a neutron diffractometer 9—94849
Akhmetshin, A.M., Bartashevskii, E.L. Possibility of using adaptive filtering in microwave flaw detection 9—52576
Akhoury, R. Mass divergences of wide-angle scattering amplitudes 9—49402
Akhremtsev, V.I. *see* Ulanov, V.A. 9—87784
Akhtamov, R. *see* Achilov, B.M. 9—96423
Akhtamov, R.A., Achilov, B.M., Kamilov, O.S., Kakharov, S. Study of regenerative inclined-stepped solar still 9—83622
Akhtar, D., Vankar, V.D., Goel, T.C., Chopra, K.L. Splat-quenching of lead in vacuum 9—52268
Akhtar, D., Vankar, V.D., Goel, T.C., Chopra, K.L. Metastable structure of liquid-quenched and vapour-quenched antimony films 9—56974
Akhtar, D., Vankar, V.D., Goel, T.C., Chopra, K.L. Metastable structures of spalt-cooled and vapour-deposited lead and antimony films 9—87018
Akhumyan, A.A., Arakelyan, Zh.A., Bukin, G.V., Martirosyan, R.M., Ogneva, V.K. Quantum paramagnetic amplifier utilizing synthetic emerald crystals 9—89878
Akhundov, M.R. *see* Iskender-zade, Z.A. 9—56312
Akhundova, A.A. *see* Kakhramanov, K.Sh. 9—95429
Akhverdiyev, K.S. The non-fixed motion of the uncompressed viscous-plastic lubricant in a bearing with the account of viscosity dependence on temperature 9—50672
Akhverdov, G.B. A method of base-free geodetic intersections 9—96731
Aki, T. *see* Koga, H. 9—77845
Akiba, M., Echigo, R., Hasegawa, S. Solid pellet evaporation in a plasma 9—94772
Akiba, S. *see* Sakai, K. 9—70001
Akiba, S. *see* Yamamoto, T. 9—98384
Akiba, T. Vacuum tunneling and effective potential in the ϕ^4-field theory 9—54262
Akiba, T. *see* Moriyama, S. 9—57561
Akihiro, M. *see* Miura, N. 9—71491
Akikune, H. *see* Okuda, S. 9—51136
Akimchenko, I.P., Ivanova, L.M., Pletyushkin, A.A., Rasulova, G.K. Optical and electrical properties of pyrolytic β-SiC 9—78093
Akimchenko, I.P., Kazdaev, Kh.R., Kamenskikh, I.A., Krasnopevtsev, V.V. Optical and photoelectric properties of SiC-Si structures formed by implantation of carbon ions in silicon 9—91136
Akimenko, A.I., Yanson, I.K. Size-dependence of the resistance of a microscopic point contact 9—69582
Akimenko, A.I., Yarovoi, V.G. Multichannel devices produced from a refractory material 9—83163
Akimitsu, J. *see* Fujii, H. 9—65650
Akimitsu, J. *see* Ito, Y. 9—56504
Akimoto, H. *see* Inoue, G. 9—59498, 9—66298
Akimoto, H. *see* Ishiwata, T. 9—52674
Akimoto, K., Sakisaka, Y., Nishijima, M., Onchi, M. ELS study on initial oxidation of Ni(100) surfaces 9—61795
Akimoto, M. *see* Dote, Y. 9—84015
Akimoto, O. *see* Ikeda, K. 9—72480, 9—98433
Akimoto, S. *see* Akaogi, M. 9—66687
Akimoto, S. *see* Sato, Y. 9—99269
Akimoto, Y. *see* Ohi, M. 9—98446
Akimov, A.V., Basun, S.A., Kaplyanskii, A.A., Titov, R.A. Use of fluorescence in determination of the phonon spectrum of thermal pulses in $CaF_2:Sm^{2+}$ 9—95860
Akimov, B.A., Brandt, N.B., Ryabova, L.I., Chudinov, S.M. Reconstruction of energy spectrum of alloys $Pb_{1-x}Sn_xTe$ with an indium impurity level under the combined effect of magnetic field and hydrostatic pressure 9—65382
Akimov, B.A., Vadkhva, R.S., Chudinov, S.M. Pressure-induced transition to zero-gap state in $Pb_{1-x}Sn_xTe$ alloys 9—69413
Akimov, B.A., Wadhwa, R.S., Chudinov, S.M. Reconstruction of energy spectrum in the alloys $Pb_{1-x}Sn_xTe$ under hydrostatic pressure 9—65381

Akimov, G.Ya., Zaitsev, V.I., Strel'tsov, V.A. Investigation of the influence of hydrostatic pressure in the plastic deformation of zinc monocrystals by the method of stress relaxation 9—96102

Akimov, S.V. *see* Dudnik, E.F. 9—69809

Akimov, V.K. *see* Mokrov, A.P. 9—69300

Akimov, V.K. *see* Scherbedinskii, G.V. 9—95221

Akimov, V.V. *see* Voronov, S.A. 9—76267

Akimov, Yu.K., Arvanov, A.N., Badalyan, G.V., Banifatov, A.E., Beglaryan, D.M., Bedrosyan, P., Berchea, K., Vartanyan, T.A., Garzoyan, M.A., Dorchoman, D., Zograbyan, G.G., Kazarinov, Yu.M., Kalinin, A.I., Kiselev, V.S., Lapidus, L.I., Markaryan, G.E., Melikov, G.I., Nersesyan, Ya.D., Pasoyan, O.I., Petrashku, M., Pogosov, V.S., Prokhorenko, I.P., Chatrchyan, A.M., Shatiev, S.A. Study of electron elastic scattering by protons at the transfer momentum squared from 0.12 to 0.5 fm^{-2} 9—49525

Akimune, H. *see* Nunogaki, M. 9—90423

Akimune, H. *see* Okuda, S. 9—85769

Akimushkina, N.M. *see* Ivanova, S.L. 9—51296

Akin, J.E. *see* Gray, W.H. 9—64503

Akinaga, M. *see* Fukami, T. 9—91106

Akinc, M., Demirel, T., Martin, D.M. Pore size distribution of E-glass fibers 9—87805

Akinci, G. *see* Northby, J.A. 9—57308

Akinci, R. *see* Jameson, R.F. 9—84822

Akino, F., Kaneko, Y. Measurement of thermal neutron spectra in high temperature graphite bulk poisoned with boron 9—54465

Akins, D.L., King, D.S., Stephenson, J.C. Vibrational relaxation of Ā $CF_2(\nu_2=1\text{-}6)$ in non-reactive collisions 9—94061

Akins, R.E. *see* Wedding, J.B. 9—98704

Akintunde, J.A. *see* Badawi, M.H. 9—79131

Akishev, Yu.S., Napartovich, A.P. Probe measurements in a glow discharge at high pressure 9—90466

Akita, K., Kusunoki, T., Komiya, S., Kotani, T. Observation of etch pits produced in InP by new etchants 9—60370

Akita, K., Nishitani, Y., Yamaguchi, A. Liquid phase epitaxial growth of $In_xGa_{1-x}As$ on GaAs and $GaAs_{1-x}Sb_x$ on GaAs 9—61519

Akita, K. *see* Nakajima, K. 9—96009

Akitt, J.W. A new type of function for resolution enhancement 9—80656

Akiyama, H., Yamada, T., Takeda, S. Propagation of the cylindrical ion-beam modes in a double plasma 9—98924

Akiyama, H. *see* Kamiya, K. 9—77527

Akiyama, H. *see* Nishimura, J. 9—80218

Akiyama, T., Kakui, H., Urabe, S., Sasa, T. The graphite oxidation analysis in HTGR core 9—81018

Akiyama, T. *see* Fukushima, H. 9—95954

Akiyoshi, T. *see* Yamada, S. 9—55044

Akizuki, K., Ebizuka, K. Prediction of air pollution based on observed data 9—57538

Akkermans, J.M. On the calculation of mean lifetimes in the preequilibrium exciton model 9—93601

Akmetshin, A.M., Bartashevskii, E.L., Kanunnikov, V.P. Multiparametric SHF flaw detection 9—70281

Aknin, J.P., Auclair, J.P., Boireau, V., Cabrespine, A., Chamouard, P.A., Ciret, J.C., Degueurce, L., Faure, J., Fougeron, C., Gavard, P., Geard, J., Gorry, A., Grorud, E., Hamel, J.L., Henriot, C., Herve, C., Laclare, J.L., Leaux, P., Lecroart, H., Lefebvre, J.M., Leleux, G., Lemaire, J.L., Matichard, G., Milleret, G., Nakach, A., N'Guyen Kanh, C., Olivier, M., Penicaud, J.P., Ropert, A., Roussier, L., Schoen, R., Sole, J., Tilmont, J., Tournesac, B., Vienet, R. Status report in rejuvenating SATURNE and future aspects 9—68001

Akopdzhanov, G.A., Inyakin, A.V., Shuvalov, P.S. Photomultiplier short-term instability 9—59305

Akopov, L.I., Ayazyan, A.A., Fedorov, V.Yu., Tsitsishvili, E.G. Relationship between parameters of optical information processing system and the characteristics of the optical elements 9—72510

Akopov, N.Z. *see* Avakyan, R.O. 9—59051

Akopova, A.B., Ambartsumyan, V.G., Kartuzhanskii, A.L., Magradze, N.V., Melkumyan, L.V. Mechanism of erasure of intent photographic images by an electric field 9—97462

Akopyan, A.R., Kostanyan, K.A., Melik-Akhnazarov, A.F., Prokopets, A.A., Agayan, G.S., Khalatyan, A.A. An electric furnace for melting lead crystal 9—58691

Akopyan, A.R., Kostanyan, K.A., Melik-Akhnazarov, A.F., Rapoport, A.Ya., Sautiev, N.D., Khalatyan, A.A., Agayan, G.S. An electric glass-melting furnace with a productivity of 14 ton/day 9—58693

Akopyan, E.A., Veinger, A.I. Influence of light on the operation of a p-n junction with hot carriers in the charge accumulation regime 9—51661

Akopyan, R.A., Evdokimov, A.V., Krasina, V.I. X-ray study of decomposition of solid solutions obtained by diffusionless crystallization 9—52510

Akopyan, R.E. *see* Mirzakhanyan, R.M. 9—74700

Akopyan, S.K., Asatryan, G.A., Babayan, Kh.P., Bagdasaryan, M.G., Dorman, L.I. Self-similar solutions of the theory of nonstationary modulation, and questions of experimental investigations of the variations of cosmic rays on the Aragats Mountain 9—80143

Akopyan, S.Kh. *see* Vinokurov, I.A. 9—90514

Akoum, F., Klapisz, C. Influence on thermal diffusion of the inclination of a column with both ends closed 9—86420

Akpambetov, V.B. *see* Gavrilin, V.I. 9—69336

Akramov, R. *see* Bikbau, M.Ya. 9—51853

Akridge, J.R., Kennedy, J.H. Absorption and emission spectroscopy and magnetic susceptibility of sodium β-alumina doped with Mn, Co, and Ni 9—87471

Akridge, J.R. *see* Geller, S. 9—82382

Aksahin, E. *see* Yalcin, C. 9—89161

Aksarin, N.N., Myach, L.T. Collection of data in the First GARP Global Experiment 9—58055

Aksay, I.A., Pask, J.A., Davis, R.F. Densities of SiO_2-Al_2O_3 melts 9—99259

Aksela, H., Vayrynen, J., Aksela, S. Vapour phase $M_{4,5}N_{4,5}N_{4,5}$ Auger electron spectra of antimony and tellurium 9—50089

Aksela, H. *see* Aksela, S. 9—59415

Aksela, S., Aksela, H., Thomas, T.D. $M_{4,5}N_{4,5}X$ Auger electron spectra of iodine and xenon. Many-body effects 9—59415

Aksela, S. *see* Aksela, H. 9—50089

Aksela, S. *see* Vayrynen, J. 9—63326

Akselrod, L.A., Gordeev, G.P., Lazebnick, J.M., Lebedev, V.I. A method of measuring magnetic texture with polarized neutrons 9—95577

Aksel'rod, V.S. *see* Shchiglovskii, K.B. 9—75551

Aksel'rud, G.A., Chernyavskii, A.I., Khanyk, Ya.N. Drying in heated gas flows 9—90328

Aksel'rud, G.A., Dubynin, A.I., Gumnitskiy, Ya.M. Heat and mass transfer in chemical reactions accompanied by gas evolution 9—83443

Aksel'rud, L.G. *see* Yarmolyuk, Ya.P. 9—60342

Aksenenko, E.V., Shulepov, Yu.V. Lattice gas of big interacting molecules. I. Expansions in activity powers 9—88892

Aksenov, A.N., Atai, A.A., Ibragimov, N.B. Hydrogen quadrupole lines in the spectra of Jupiter and Saturn 9—70990

Aksenov, E.T., Esepkina, N.A., Lipovskii, A.A. Diffused lithium niobate waveguides for acoustooptical signal processing 9—90029

Aksenov, I.D., Shenderovich, A.L., Morozov, K.V. Automation in operating drop feeders 9—61556

Aksenov, I.I., Padalka, V.G., Khoroshykh, V.M. Investigation of a flow of plasma generated by a stationary erosion electric arc accelerator with magnetic confinement of the cathode spot 9—98996

Aksenov, I.I. *see* Strel'nitskii, V.E. 9—90924

Aksenov, N.A. *see* Samsonov, B.V. 9—97828

Aksenov, S.I., Filatov, A.V., Gangardt, M.G., Revokatov, O.P. Investigation of the conformational mobility of the globular proteins in aqueous solutions by proton relaxation in a rotatory system of coordinates 9—53033

Aksenov, S.I. *see* Anisimov, A.V. 9—57612

Aksenov, V.G., Averichev, S.A., Baldin, A.M., Chovanec, F., D'yachkov, E.I., Khodzhibagiyan, H.G., Kulikov, Yu.V., Makarov, L.G., Matyushevsky, E.A., Nikitaev, P.I., Polyakova, P.V., Shelaev, I.A., Smirnov, A.A., Zel'dovich, A.G. Some properties of 2.5 T 'window frame' type superconducting dipoles 9—54224

Aksenov, V.L. *see* Stamenkovic, S. 9—55858, 9—56742

Aksenow, W.I., Efimova, T.V., Komrakov, G.P., Pisareva, V.V., Schreiber, R., Hanasz, J. Studies of solar sporadic radio emission, and the parameters of the Earth's ionosphere on the Interkosmos-Kopernik 500 satellite. III. Natural radio noise of the ionospheric plasma 9—62646

Aksent'ev, A.G. *see* Baraboshkin, A.N. 9—55687

Aksent'ev, A.G. *see* Kaliev, K.A. 9—52482

Aksentsev, S.L. *see* Korneyeva, I.L. 9—92163

Aksienov, V.L. *see* Stamenkovic, S. 9—73290

Aksinenko, V., Anikina, M., Buttsev, V., Glagoleva, N., Golokhvastov, A., Il'ina, V., Kadikova, S., Kaminsky, N., Khorozov, S., Kuznetsova, E., Lukstins, J., Matyushin, A., Matyushin, V., Musulmanbecov, Zh., Okonov, E., Ostanevich, T., Vardenga, G., Volodin, V., Vorobjova, N., Zuravleva, M., Banasiuk, A., Chkaidze, L., Nurgozhin, N., Skrzypczak, E., Szwed, R., Tashimov, M., Zakrzewski, J.A. Multiplicity of π^-mesons in the interactions of 18 GeV/c α particles with Li, C, Ne, Al, Cu and Pb nuclei 9—97713

Aksnes, K. Mutual phenomena of the moons of Jupiter and Saturn 9—92695

Aksyutov, L.N., Kholopov, G.K. Method of determining the nonlinearity of photodetectors 9—71530

Aktsipetrov, O.A., Krausova, N., Penin, A.N. Investigation of spontaneous electrooptic effect in KDP crystal in far infrared 9—95734

Aktuganov, I.Z. Method of extension of the domain of heat- and moisture-conduction problems 9—90113

Akulin, V.M. Effect of the fine structure of vibrational-rotational states on the dynamics of excitation of multiphoton resonances in molecules of the spherical top type 9—86022

Akulov, G.P., Pashkevich, M.F. Study of the formation and development of deformation zones at the edge of a notch by holographic interferometry 9—50687

Akulovich, N.I., Petrov, V.V., Tkachev, V.D. Determination, from piezodichroism, of the true profiles of impurity photoconductivity bands of silicon irradiated with fast neutrons 9—91103

Akutagawa, W., Dunlap, H.L., Hart, R., Marsh, O.J. Impurity-peak formation during proton-enhanced diffusion of phosphorus and boron in silicon 9—55772

Akutin, M.S. *see* Goldberg, V.M. 9—50691

Akutin, M.S. *see* Plotkin, L.G. 9—61671

Akutsu, F. *see* Sato, S. 9—57732

Akutsu, J. *see* Kirihata, H. 9—52088

Akyeampong, D.A. Tensor harmonics in the helicity basis 9—49080

Al, R. *see* Kuindersma, S.R. 9—61063

Al Oraibi, Z., Granier, W., Vilminot, S., Cot, L. On a new family of tin II compounds: the halogenoisothiocyanates Sn(NCS)X with X=F, Cl, Br or I 9—51060

Al-Abawi, H., Hopf, F.A., Moore, G.T., Scully, M.O. Coherent transients in the free-electron laser: laser lethargy and coherence brightening 9—94204

Al-Agil, I. *see* Wainger, M. 9—98204

Al-Amili, M.A. *see* Avchukhov, V.D. 9—75842

Al-Ansari, N.A., Al-Jabbari, M.H., McManus, J. Sediment discharge in the River Almond, Scotland 9—88386

Al-Awqati, Q. *see* Al-Bazzaz, F.J. 9—88060

Al'-Bakhili, Kh.M. *see* Dement'ev, B.A. 9—89448

Al-Bassam, S. *see* Hussain, A.A.A. 9—90912

Al-Bassam, T.S., Galeel, A. The steady state and non-steady-state behaviour of Al-Al_2O_3-Dy junctions 9—78205

Al-Bassam, T.S. *see* Cadim, M. 9—87169

Al-Bazzaz, F.J., Al-Awqati, Q. Interaction between sodium and chloride transport in canine tracheal mucosa 9—88060

Al-Dibouni, M.R., Garside, J. Particle mixing and classification in liquid fluidised beds 9—90330

Al-Ghazi, M.S., Birchall, J., McKee, J.S.C., Ramsay, W.D., Teoh, W. Analysis of medium and heavy elements by means of K X-ray fluoresence induced by 20-50 MeV protons 9—57312

Al-Ghazi, M.S., McKee, J.S.C., Ramsay, W.D. Feasibility study and design of a proton microprobe 9—54226

Al-Ghazi, M.S.A.L. *see* Birchall, J. 9—75995

Al-Haddad, S.A., Konstantinov, Yu.O., Shamov, V.P. Radiation safety of IRT-2000 research reactor 9—71927

Al-Hamis, I.M. *see* Kerimov, B.K. 9—75976

Al-Hiti, K., Slaibi, S., Al-Kayat, T. Portable system for detecting cadmium in the human liver 9—79632

Al-Husaini, J. *see* Tulley, F.M. 9—88057

Al-Huseini, F. Surface effect on the critical current density of superconducting niobium 9—61014

Al-Huseini, F. Surface effect on the critical current density of superconducting Nb 9—65627

Al-Huseini, F.A., Lynch, R.F., Parry-Jones, G. Closed-cycle cooling system at the UPM Cryogenic Facility, Saudi Arabia 9—71459

Al-Jabbari, M.H. *see* Al-Ansari, N.A. 9—88386

Al-Kahtany, M.M. *see* Rao, Y.K. 9—83452

Al-Kayat, T. *see* Al-Hiti, K. 9—79632

Al-Khazraji, Y.A., Al-Rabeh, R.H., Baker, R.C., Hemp, J. Comparison of the effect of a distorted profile on electromagnetic, ultrasonic and differential pressure flowmeters 9—68860

Al-Khuzzaii, S., Al-Rufaie, E.M., Khalil, S.M., Shanshal, M. Interaction of the quinoline derivatives with coenzyme Q_{10} 9—91948

Al-Missari, A. *see* Arora, V.K. 9—60858

Al-Musallam, S.H. *see* Machali, F. 9—69952

Al-Naser, A.M. *see* Behbehani, A.H. 9—67621, 9—80896

Al-Naser, A.M. *see* Rammo, N.R.F. 9—59318

Al-Rabeh, R.H. *see* Al-Khazraji, Y.A. 9—68860

Al-Rawi, K. *see* Abell, J.S. 9—99745

Al-Rawi, K.M. *see* Hendy, P. 9—99747

Al-Rufaie, E.M. *see* Al-Khuzzaii, S. 9—91948

Al-Salman, S.A., Lorimer, G.W., Ridley, N. Partitioning of silicon during pearlite growth in eutectoid steel 9—83201

Al-Shamlan, A.A. *see* Mohamed, M.A. 9—62154

Al-Shiraida, Y.S., Hirose, A., Skarsgard, H.M. Spectroscopic investigation of plasma turbulence 9—73023

Al-Taweel, A.M., Landau, J. The effect of turbulence modulation on the rate of heat transfer to gas-solid suspensions 9—72928

Al-Zanaidi, M.A. *see* Dore, B.D. 9—72899

Alabichev, A.I. *see* Ivanov, B.N. 9—96388

Alaee, M.S., Rouhani, M.D. A study of the physical properties of sprayed CdS thin films 9—78875

Alagova, Z.S. *see* Materova, E.A. 9−91972, 9−96337

Alain, P., Coutures, J.P., Piriou, B. High temperature Raman scattering in $Sm_{0.8}La_{0.2}AlO_3$ compound: a relation to the phase transition in rare earth orthoaluminates 9−61367

Alais, P., Fink, M., Richard, B. Ultrasonic images 9−74734

Alais, P., Hennion, P.Y. A Fourier theory of the nonlinear interaction of acoustical beams in absorbing fluid. The special case of parametric emission 9−94388

Alalykin, A.B. *see* Mikhailichenko, T.A. 9−87780

Alam, A. *see* Dlubek, G. 9−52240, 9−57003

Alam, B., Ansari, S.M.R., Oaiyum, A. Temperature distribution in the transition region and inner corona 9−75190

Alam, M. *see* Safdar, M. 9−91811

Alam, M.A. Orthonormal lattice filter−a multistage multichannel estimation technique 9−84497

Alam, M.S. *see* Abrams, G.S. 9−89149, 9−89174

Alam, M.S. *see* Rapidis, P.A. 9−75780

Alamgir, M. Over-all heat transfer from vertical cones in laminar free convection: an approximate method 9−81881

Alanakyan, Yu.R. High pressure plasma under ion 'free flight' conditions 9−86560

Alaniya, M.V., Dorman, L.I. Modulation of the intensity of cosmic rays in interplanetary space with account taken of the 'royal bands' in the distribution of the solar activity 9−80138

Alaoui-Bichri El *see* El Alaoui-Bichri

Alapini, F., Flahaut, J., Guittard, M., Jaulmes, S., Julien-Pouzol, M. The gallium-tellurium system. Phase diagrams and structural studies of GaTe, Ga_2Te_5 and Ga_4SnTe_{10} 9−78946

Alaric Gotuk Ali *see* Gotuk Ali Alaric

Alasafi, K.M., Schubert, K. Crystal structure of Au_3Cd_5 and Au_5Cd_8.h 9−86742

Alascio, B. *see* Balseiro, C. 9−78595

Alasti, H., Higashi, G.S., Kastner, M. The effect of metallic additives on photoluminescence fatigue in a-As_2Se_3 9−61434

Alastuey, A., Jancovici, B. Magnetic properties of a nearly classical one-component plasma in three or two dimensions 9−86558

Alaverdyan, S.A. *see* Avakyan, E.M. 9−69806

Alavi, K., Aggarwal, R.L., Groves, S.H. Oscillatory magneto-transmission of $In_{1-x}Ga_xAs_yP_{1-y}$ alloys 9−60707

Alavutdinov, Dzh.N. *see* Alimov, A.K. 9−83885

Alavutdinov, Dzh.N. *see* Umarov, G.Ya. 9−83624

Alaxin, P. *see* Valko, L. 9−59356

Alayli, Y. *see* Skowronek, M. 9−85969

Alb, G.P., Chambre, P.L. Correlations for the penetration of ECC water in a model of a PWR downcomer annulus 9−76085

Albada, G.D.van *see* van Albada, G.D.

Albada, T.S.van *see* van Albada, T.S.

Albajar, M.C. *see* Aguilar-Benitez, M. 9−80847

Albanese, G., Deriu, A., Ghezzi, C. Rayleigh scattering of Mossbauer γ-rays in the amorphous polymer polymethyl methacrylate 9−73864

Albanese, J.P. *see* Arvieux, J. 9−85512

Albano, C., Dunn, W., III, Edlund, U., Johansson, E., Norden, B., Sjostrom, M., Wold, S. Four levels of pattern recognition 9−52796

Albany, J.H. *see* Benoit, P. 9−99907

Albats, B.S. *see* Timashev, V.V. 9−91610

Albats, P. *see* Koga, R. 9−101063

Albella, J.M., Montero, I., Martinez-Duart, J.M. Scintillation in anodic Ta_2O_5 films 9−91500

Alben, R. *see* Burns, G. 9−95111, 9−99880

Alber, I.E. *see* Aushermann, D.R. 9−76680

Alberdi, A.M., Barandiaran, J.M., Ilarraz, J. Temperature dependence of coercivity in some rare-earth-Fe_2 intermetallic compounds 9−61185

Alberi, G., Alvear, C., Castelli, E., Poropat, P., Sessa, M., Rosa, L.P., Thome, Z.D. Resonance in p̄n system from p̄D data 9−63509

Alberigi-Quaranta, A. Measurements of physical quantities: an opportunity for applied research 9−93845

Albers, J. A model theory of ferroelectric and other structural phase transitions of first and second order 9−51915

Albers, S.C. Mutual occultations of planets: 1557 to 2230 9−88611

Albert, E. *see* Brainard, G. 9−96619

Albert, J.P., Liu, L. Generalized Wannier functions for a model impurity in a one-dimensional lattice 9−69468

Albert, K. *see* Raich, J.C. 9−65419

Albert, M. *see* Hartstein, A. 9−95510

Albert, R., Haim, E., Yee, D. Phase diagrams and the metathetic reactions of Schiff Bases 9−56965

Albert, T.E., Simmons, G.L. An improved streaming analysis technique: spherical harmonics expansion of albedo data 9−89367

Albert, T.E., Williams, R.F. Proliferation risk assessment of alternative nuclear energy system strategies 9−89384

Albert, T.E. *see* Gritzner, M.L. 9−59314

Alberti, H. *see* Knauth, H.-D. 9−79238

Albertini, G., Dubini, B., Melone, S., Ponzi-Bossi, M.G., Rustichelli, F., Torquati, G. X-ray study of phase transition involving ordered biaxial phases 9−95136

Alberts, J.J., Tilly, L.J., Vigerstad, T.J. Seasonal cycling of cesium-137 in a reservoir 9−100881

Albertsen, N.C. High-frequency scattering by a conic frustum 9−76552

Albertsen, P., Jorgensen, P. Ionization potentials and electron affinities for a spacially non-degenerate doublet state in a second-order electron propagator approach 9−63933

Albery, W.J., Brooks, W.N., Gibson, S.P., Hahn, C.E.W. An electrode for pN_2O and pO_2 analysis in blood and gas 9−62412

Albery, W.J. *see* Archer, M.D. 9−52691

Albeverio, S., Gallavotti, G., Hoegh Krohn, R. The exponential interaction in R^n 9−63361

Albeverio, S., Hoegh-Krohn, R. The global Markov property for Euclidean and Lattice fields 9−67469

Albeverio, S., Hoegh-Krohn, R. Uniqueness and the global Markov property for Euclidean fields. The case of trigonometric interactions 9−89053

Albeverio, S., Ribeiro de Faria, M., Hoegh-Krohn, R. Stationary measures for the periodic Euler flow in two dimensions 9−93085

Albinet, G. *see* Dupin, J.J. 9−56041

Albinska, M., Gajewski, A. Optimal design of the cantilever beam loaded by external forces and by its own weight in creeping conditions 9−64497

Albouelwafa, M.S.A., Kendall, E.J.M. Analysis and design of helical capacitance sensors for volume fraction determination 9−75516

Albouy, G. *see* Roulet, C. 9−75854

Albrecht, A.C. Vibrational states of molecules in the visible region by thermo-optical spectroscopy and the local mode model 9−50036

Albrecht, A.C. *see* Burberry, M.S. 9−81207

Albrecht, A.C. *see* Champion, P.M. 9−92147, 9−94004

Albrecht, A.C. *see* Korenowski, G.M. 9−51939

Albrecht, A.C. *see* Morrell, J.A. 9−76358

Albrecht, A.C. *see* Scott, T.W. 9−65548, 9−98162

Albrecht, A.C. *see* Twarowski, A.J. 9−56328, 9−61451

Albrecht, A.C. *see* Ziegler, L.D. 9−59471, 9−64007, 9−64008

Albrecht, A.J. *see* Alvesalo, T.A. 9−51360

Albrecht, B.A. A model of thethermodynamic structure of the trade-wind boundary layer. II. Applications 9−88433

Albrecht, B.A., Betts, A.K., Schubert, W.H., Cox, S.K. A model of the thermodynamic structure of the trade-wind boundary layer. I. Theoretical formulation and sensitivity tests 9−88432

Albrecht, D., Ero, J., Fodor, Z., Hernyes, I., Hong Sung Mu, Khomenko, B.A., Khovanskij, N.N., Koncz, P., Krumstein, Z.V., Merekov, Yu.P., Petrukhin, V.I., Seres, Z. Investigation of the (p, nd) reaction on ^{6}Li and ^{7}Li at 670 MeV 9−75985

Albrecht, G. *see* Dettmann, F. 9−87203

Albrecht, H., Spaude, H.-W. A high-speed spectral radiometer with fully electronic control 9−54169

Albrecht, J., Neumann, E.-G. Simulation of the near field of single-mode fibres by means of a microwave model 9−59825

Albrecht, K. *see* Stocker, W. 9−49069

Albrecht, K.H. *see* Gaehtgens, P. 9−62272, 9−62273

Albrecht, R.W., Crowe, R.D., McGuire, J.J. The FAST-DATA system. Fully automatic stochastic technology for data acquisition, transmission, and analysis 9−97962

Albrecht, W.G., Michel-Beyerle, M.E., Yakhot, V. Exciton fission in excimer-forming crystal dynamics of excimer build-up 9−61423

Albregtsen, F. A four-channel infrared pinhole photometer for solar intensity observations 9−101069

Albregtsen, F., Maltby, P. Sunspot research, past and present 9−75312

Albright, C.H., Shrock, R.E. Signals for tau neutrino interactions in a beam dump experiment 9−67535

Albright, C.H., Shrock, R.E. Characteristics of possible neutral-heavy-lepton production in muon reactions 9−71751

Albright, C.H., Smith, J. Use of Δ φ-angle test to rule out neutral heavy leptons 9−63470

Albright, C.H. *see* Smith, J. 9−85290

Albright, D.C. *see* Tsai, S.S. 9−54480

Albrow, M., Boggild, H., Cashmore, R., Davier, M., Ekelof, T., Gaillard, M.K., Naroska, B., Richard, F., Winter, K. Forward-backward asymmetries with quark jets 9−97605

Albrow, M.G., McCubbin, N.A., Almehed, S., Booth, P.S.L., De Bouard, X., Boggild, H., Carroll, L.J., Catz, P., Dahl-Jensen, E., Dahl-Jensen, I., Damgaard, G., Von Dardel, G., Elverhaug, N., Hansen, K.H., Jackson, J.N., Jancso, G., Jarlskog, G., Jensen, H.B., Jonsson, L., Klovning, A., Lillethun, E., Lu, A., Lorstad, B., Melin, A., Miettinen, H.E., Moller, R., Nielsen, B.S., Nielsen, S.O., Petersen, J.O., Skard, J.A.J., Villeneuve, P. Inclusive ρ^0 production in pp collisions at the CERN ISR 9−75805

Albuisson, M., Monget, J.M., Balmino, G., Moynot, B., Reigber, C. Detailed gravimetric geoid for the North Atlantic 9−62422

Albuisson, M., Pontier, L., Wald, L. A comparison between sea surface temperature measurements from satellite 'Noaa 4' and from airborne radiometer Aries 9−62517

Alburger, D.E., Robinson, T.G. Helium-jet system for radioactivity studies 9−93855

Alburger, D.E., Warburton, E.K. ΔT=1, $0^+ \rightarrow 0^+$ beta decay of ^{28}Mg 9−93560

Alcaino, G. Basic morphological data for galactic globular clusters 9−92815

Alcaras, J.A.C., Biedenharn, L.C. On the coupling of self-conjugate systems with SL(3,R) symmetry 9−97228

Alcaraz, F.C., Kojima, Y., Isihara, A. Effects of electron interaction on the change in sound velocity under de Haas-van Alphen conditions 9−60681

Alchuszhyan, S.V. *see* Asatiani, T.L. 9−68132

Alcock, A.J., Corkum, P.B. Ultra-fast switching of infrared radiation by laser-produced carriers in semiconductors 9−98417

Alcock, A.J. *see* Corkum, P.B. 9−81466

Alcock, N.W. A method for between-sample cleaning of the graphite furnace 9−87889

Alcorn, F.M. *see* Baldwin, M.N. 9−63776

Alcorn, J., Purcell, J., Chen, W. A 10 tesla toroidal field magnet system for General Atomic's PGFR concept 9−49835

Alcouffe, G., Sancho, A.R., Legros-de Mouduit, B., Lafaurcade, L. Evidence for a new slip system in Antimony deformed under compression 9−66120

Alcouffe, G. *see* Legros-de Mauduit, B. 9−60374

Alcouffe, R.E., Dendy, J.E. A multigrid iteration strategy applied to the solution of the neutron diffusion equation 9−85577

Alcouffe, R.E., Larsen, E.W., Miller, W.F., Jr., Wienke, B.R. Computational efficiency of numerical methods for the multigroup, discrete-ordinates neutron transport equations: the slab geometry case 9−80970

Alcouffe, R.E., Larsen, E.W., Miller, W.F., Jr., Wienke, B.R. Calculational efficiency of numerical transport methods: slab geometry 9−85099

Alde, D.M. *see* Nagle, D.E. 9−63500

Aldea, L. *see* Wust, N. 9−54439

Aldebert, P., Dianoux, A.J., Taverse, J.P. Neutron scattering evidence for fast ionic oxygen diffusion in the high temperature phases of La_2O_3 9−99357

Aldebert, P., Traverse, J.P. Neutron diffraction study of high temperature structures of La_2O_3 and Nd_2O_3 9−65050

Alder, B.J., Beers, J.C., II., Strauss, H.L., Weis, J.J. Depolarized scattering of atomic fluids with variable polarizability 9−64823

Alder, J.C. *see* Strassner, G. 9−89280

Alder, J.C. *see* Tran, M.T. 9−93665

Alder, J.-C., Gabioud, B., Joseph, C., Loude, J.-F., Morel, N., Perrenoud, A., Perroud, J.-P., Tran, M.T., Winkelmann, E., Dahme, W., Fellenberg, H.v., Panke, H., Renker, D., Strassner, G., Truol, P., Zupancic, C. $\pi^- d \rightarrow \gamma nn$ and the effective range theory parameters a_{nn} and r_{nn} 9−85381

Alder, J.-C. *see* Gabioud, B. 9−67600

Alder, K. *see* Winther, A. 9−54450

Alder, L., Gloyna, D., Wegener, W., Pragst, F., Henning, H.-G. Effect of substituents on the T_1 energy of trans-stilbenes 9−81225

Alderliesten, C., Djaloeis, A., Bojowald, J., Mayer-Boricke, C., Paic, G., Sawada, T. The ^{2}H(d,N) reaction: measurement and theoretical analysis 9−76005

Alderliesten, C. *see* Paic, G. 9−76013

Alderman, E.L. *see* Ingels, N.B., Jr. 9−62358

Aldersley, S.J. Higher Euler operators and some of their applications 9−49101

Alderson, M.A.H.G. A method for the estimation of the probability of damage due to earthquakes 9−93844

Alderson, P.O. *see* Hauser, M.F. 9−57772

Alderson, P.O. *see* Yang, S.L. 9−100718

Aldissi, M. *see* Bernier, P. 9−82859

Aldred, A.T. Magnetization study of UFe_2 9−51756

Aldred, A.T. High-temperature magnetic properties of $AnFe_2$ (An=Np, Pu, Am) Laves phases 9−51757

Aldred, A.T., Cinader, G., Lam, D.J., Weber, L.W. Magnetic properties of neptunium and plutonium hydrides 9−61075

Aldred, A.T. *see* Friedt, J.M. 9−95692

Aldred, A.T. *see* Shaked, H. 9—51742
Aldred, A.T. *see* Viccaro, P.J. 9—78579
Aldrich, C., Greene, R.L. Hydrogen-like systems in arbitrary magnetic fields 9—77973
Aldridge, E.E., Beale, M.I.J., Clare, A.B., Shepherd, D.A. B-scan Fourier transform holography 9—83421
Aldridge, L.P., Bancroft, G.M., Fleet, M.E., Herzberg, C.T. Omphacite studies. II. Mossbauer spectra of C2/c and P2/n omphacites 9—65771
Aldridge, L.P. *see* Fleet, M.E. 9—65183
Aldridge, R.V. The behaviour of the galvanomagnetic properties of thin films of nickel deposited on liquid-helium-cooled sapphire substrates 9—95519
Aldridge, R.V., Quinn, J., Raeburn, S.J. An investigation of the atomic arrangements in Pb-Ar films formed by codeposition at 4K 9—99444
Aldrovandi, S.M.V., Pellegrini, P.S.S. The effect of charge exchange reaction on carbon lines 9—58243
Aldushin, A.P., Seplyarskii, B.S. Propagation of waves of exothermal reaction in porous medium during gas blow-through 9—79222
Aleem, F. *see* Saleem, M. 9—58977
Aleev, R.M. Accuracy of conversion of field of objects into time process of electron-optical systems 9—68425
Alefeld, B. *see* Ait-Salem, M. 9—90818
Alefeld, G., Volkl, J. Introduction 9—82350
Alefeld, G. *see* Volkl, J. 9—82390
Alefeld, G., Volkl, J. *(editor)* Hydrogen in metals I 9—82349
Aleinikov, S.M., Listrov, A.T. Effect of fluid microstructure on stability of plane two-layer flows 9—77212
Aleite, W. The use of computer modules in nuclear reactors 9—49788
Alekberov, A.I. *see* Ismailzade, I.H. 9—82932
Alekhin, A.D. Correlative and optical properties of Freon-113 near the critical point 9—65822
Alekhin, I.A., Babenko, S.P., Keirim-Markus, I.B., Kraitor, S.N., Kushnereva, K.K. One possible way of measuring doses from accidental irradiation 9—62374
Alekhin, L.A., Zvonarev, A.V., Ivanov, A.P., Kazanskii, Yu.A., Karpov, A.B., Koloskov, B.V., Mamaev, V.V., Matveev, V.I., Pomerantsev, G.B., Pshakin, T.M., Skorikov, N.V., Tuerdorskii, N.D. Theoretical and experimental studies on the physical characteristics of the BN-350 reactor 9—97898
Alekhin, V.P. Physical model of movement of dislocations in crystals with high Peierls relief in brittle failure region 9—65093
Alekhin, V.P. Physical nature of low-temperature microplastic strain in semiconductor crystals 9—65094
Alekhin, Yu.K., Ryabova, N.A. Cyclotron interaction of a packet of VLF waves with a beam of resonance electrons 9—53652
Alekhina, V.M. *see* Chalov, P.I. 9—62451
Alekhnovich, V.E., Proshin, A.A. Optimal adjustment parameters for automatic toolsetters 9—97349
Aleklett, K. *see* Rudstam, G. 9—75924
Aleksakhin, I.S., Bogachev, G.G., Ugrin, S.Yu., Shishova, T.A. Spectra of radiation in the 54-126-nm range excited by the collision of electrons with lead atoms 9—63942
Aleksakhin, I.S., Borovik, A.A., Parlaga, A.M., Gutti, A.I. Excitation of autoionizing states of europium in electron-atomic collisions 9—86073
Aleksakhin, I.S., Delone, N.B., Zapesochnyi, I.P., Suran, V.V. Observation and investigation of the two-electron multiphoton ionization process in atoms 9—54822
Aleksakhin, Yu.I., Belyaev, A.P., Perel'shtein, E.A. Electric field of an electron bunch in a magnetodielectric channel 9—64166
Aleksandrov, A.A., Larkin, D.K. Speed of sound, isochoric heat capacity, and coefficient of isothermal compression of heavy water at atmospheric pressure 9—82284
Aleksandrov, A.A. *see* Aidinova, D.M. 9—68139
Aleksandrov, A.L., Gulyaev, I.B., Zhdan, A.G., Oleinikov, A.Ya., Pososhenko, L.Z. Apparatus for coupling a digital voltmeter and perforator to an automatic system for the compilation and registration of experimental data 9—93113
Aleksandrov, A.S., Bykovskii, Yu.A., Elesin, V.F., Kulyamzin, A.N., Menushenkov, A.P., Protasov, E.A., Cheremnykh, P.A. Photoelectric spectroscopy of indium antimonide in magnetic fields of up to 15 T 9—82636
Aleksandrov, A.S., Menushenkov, A.P., Protasov, E.A., Toloknov, N.A. Spectra of the photoconductivity in deformed indium antimonide 9—82637
Aleksandrov, B.M., Ganich, P.P., Krivokhatskii, A.S., Lomonosov, V.I., Parlag, A.M., Remeta, E.Yu., Sikora, D.I., Sychev, S.I. Determination of the kinetic functions of delayed neutrons in the photofission of heavy isotopes 9—63709
Aleksandrov, B.M., Ilyatov, K.V., Krizhanskii, L.M., Krivokhatskii, A.S., Skorovodkin, N.V., Preobrazhenskii, B.K. ^{239}U isotope generator based on ^{241}Pu 9—71980
Aleksandrov, B.M. *see* Nikolaev, V.A. 9—97941
Aleksandrov, B.N. Relationship between heterogeneity of dilute alloys and the equilibrium distribution coefficient 9—83186
Aleksandrov, B.N., Kovtun, G.P., Elenski', V.A. Effect of impurities on the residual resistivity of niobium 9—91196
Aleksandrov, E., Mladenov, I., Gergei, A., Terek, A., Devitts, G., Bart, K., Sorokovski, S., Kornatski, L., Prune, S., Dzhukhat, V., Fedorov, A.M., Sergeev, I.A., Bubliak, P., Petrash, I. Results of comparisons of the standards of the unit of power among the COMECON countries in coaxial channels at high frequencies 9—93166
Aleksandrov, E.B., Baranov, A.V. Relaxation of the thallium excited states $6^2P_{3/2}$ and $7^2S_{1/2}$ in collisions with CO_2 molecules 9—64094
Aleksandrov, E.B., Baranov, A.V., Kulyasov, V.N. Quenching, diffusion, and spontaneous decay of metastable thallium atoms in buffer gases 9—54953
Aleksandrov, E.B., Bezuglov, N.N. Anomaly in the intensity ratios of resonance line components in a gas discharge 9—63961
Aleksandrov, E.B. *see* Yakobson, N.N. 9—67360
Aleksandrov, I.V., Bobovich, Ya.S., Vartanyan, A.T. A comparative study of the Raman spectra, infrared absorption spectra, and the Shpolskii spectra of indigoid dyes 9—65866
Aleksandrov, I.V., Kaibyshev, O.A. Studying texture with the aid of the distribution function of crystallographic orientation (survey) 9—52228
Aleksandrov, K.A. *see* Afanas'ev, V.A. 9—97832
Aleksandrov, K.A. *see* Kebadze, B.V. 9—97839
Aleksandrov, K.S. *see* Aver'yanov, E.M. 9—86711
Aleksandrov, L.N., Loginova, R.V., Gaiduk, E.A. Computer model of autoepitaxial growth of Ge films 9—95927
Aleksandrov, N.A. The mechanism for the generation of positive ions in a gas discharge laser plasma in a CO-He mixture with O_2 added 9—99005
Aleksandrov, N.L. Electron detachment from O^- and O_2^- ions in excited molecules in an air discharge 9—54961
Aleksandrov, N.L. Mechanism of electron binding to oxygen molecules in nitrogen plasma 9—55452
Aleksandrov, N.L. Detachment of a weakly bound electron from a negative ion on collision with an excited molecule 9—59566
Aleksandrov, O.V., Kalyuzhnaya, G.A., Kiseleva, K.V., Strongankova, N.I. Indium-doped solid solution $Pb_{0.78}Sn_{0.22}Te$ with a low current carrier concentration 9—82603
Aleksandrov, S.I. *see* Levin, O.A. 9—100263
Aleksandrov, V.A. *see* Lakhtin, Yu.M. 9—52556
Aleksandrov, V.I., Kalabukhova, V.F., Lomonova, E.E., Osiko, V.V., Tatarintsev, V.I. Influence of impurities and annealing conditions on the optical properties of single crystals of ZrO_2 and HfO_2 9—52399
Aleksandrov, V.I., Osiko, V.V., Prokhorov, A.M., Tatarintsev, V.M. Synthesis and crystal growth and refractory materials by RF melting in a cold container 9—70032
Aleksandrov, V.I. *see* Glushkova, V.B. 9—52188
Aleksandrov, V.N., Gershenson, E.M., Mel'nikov, A.P., Rabinovich, R.I., Serebryakova, N.A., Tovmach, Yu.V., Zayats, V.A. Photoconductivity spectra of $H^- - H^+$-type complexes in semiconductors 9—95451
Aleksandrov, V.V., Koterov, V.N., Pustovalov, V.V., Soroka, A.M. Oscillations of space charge in the cathode layer of a nonself-maintaining gas discharge 9—86641
Aleksandrov, V.V. *see* Belkind, A. 9—69954
Aleksandrov, Yu.I., Grinchenko, Yu.V. Possible biophysical mechanism of the phenomenon of the identity of activation of adjacent neurones of the trigeminal mesencephalic nucleus of the rabbit in the food-procuring behavioural act 9—92241
Aleksandrov, Yu.M., Kozlov, M.G., Makhov, V.N., Fedorchuk, R.V., Yakimenko, M.N. Device for investigating absorption spectra in the 100-900-Å wavelength region 9—54202
Aleksandrova, I.P. *see* Moskalev, A.K. 9—69791
Aleksandrova, T.A., Vasserman, A.M., Shtil'man, M.I., Mekhtiev, A.Kh., Korshak, V.V. The study of molecular dynamics in polyclycidyl methacrylate solutions by the spin mark method 9—60260
Aleksandrovich, G.Ye., Gurevich, G.L., Koshurinov, Ye.I., Ryabov, V.F., Sandler, M.S., Surovennyy, V.G. Controllable electroacoustic phase shifter 9—81640
Aleksandrovich, K.V., Berezin, I.A. Spectral diagnostics of the plasma of high-current pulsed discharges in deuterium 9—55459
Aleksandrovich, S.V. *see* Aivazov, M.I. 9—73674, 9—91212
Aleksandrovich, S.V. *see* Ajvazov, M.I. 9—82749
Aleksandrovskaya, A.M. *see* Ushanova, N.I. 9—54837
Aleksandrovskaya, N.G., Boldyr', L.A., Naboikin, Yu.V., Chukanova, I.N. Temperature dependence of the shift and broadening of zero-phonon lines in the absorption spectra of doped molecular crystals 9—69866
Aleksandrovskii, A.A. *see* Kosterin, A.V. 9—90291
Aleksandrovskii, A.N. *see* Manzhelii, V.G. 9—65228
Aleksandrowicz, A. Low-frequency oscillations of electric current in $KNbO_3$ monocrystals 9—91053
Aleksanyan, A.C. *see* Azizyan, H.V. 9—96813
Aleksanyan, A.S., Gasparyan, A.O., Megrabyan, G.K., Mkrtchyan, G.G., Pikhtelev, R.N. Possibility of identifying particles with different charges in photonuclear reactions 9—68133
Aleksashenko, A.A. Analytic investigations into errors in determination of thermophysical characteristics from approximate solutions 9—81687
Alekseenko, N.N., Gol'dshtein, S.L., Rakipov, D.F., Raspopin, S.P. Correcting the time parameters of pulsed electrolysis according to the electrochemical response 9—70006
Alekseev, A.A., Zakharov, N.D. Estimate of the energy of inelastic interaction of crystal lattice defects 9—69154
Alekseev, A.B., Ob'edkov, V.D. Rotational excitation of molecular ions by charged particles 9—94093
Alekseev, A.G., Boyandina, L.G., Vertsner, V.N., Verkhovskaya, T.A., Kisel', G.D., Ovchinnikov, O.P. The industrial electron-diffusion camera EMR-100 9—50963
Alekseev, A.I., Basharov, A.M. Modulation light wave vibrations in the Stark pulse technique 9—98027
Alekseev, A.P., Turov, Yu.P., Vylegzhanin, O.N. Recorder of full ion current for mass spectrometers 9—97466
Alekseev, B.F., Fedin, S.G. Nuclear-electron effects in EPR of atomic protium and deuterium in UV-irradiated water-acid ices 9—83488
Alekseev, B.V., Kotel'nikov, V.A., Novikov, V.N. Numerical calculation of the perturbed region near a probe 9—98976
Alekseev, D.V. Theory of the scattering of light from 'external' orientation vibrations of molecular crystals 9—95776
Alekseev, E.G., Zaitsev, V.M., Zolotov, A.M. Production of ^{123}Xe (^{123}I) by spallation reactions at 1 GeV proton energy and synthesis of compounds labelled by ^{123}I 9—63676
Alekseev, E.N., Gal'perin, M.D., Glemba, P.Ya., Danshin, A.E., Lidvanskii, A.S., Sulla-Petrovskii, Yu.R., Tat'yan, B.B., Tiezengauzen, V.A., Chudakov, A.E., Kulikov, G.V., Sulakov, V.P., Khristiansen, G.B. The electron spatial distribution in extensive air showers at 1700 m above sea level 9—80163
Alekseev, E.N., Gal'perin, M.D., Glemba, P.Ya., Dzhappuev, D.D., Lidvanskii, A.S., Sulla-Petrovskii, Yu.R., Tat'yan, B.B., Tizenguazen, V.A., Chudakov, A.E., Kulikov, G.V., Sulakov, V.P., Khristiansen, G.A., Navarra, J. The spatial structure of an extensive air shower near the axis 9—80164
Alekseev, G.D., Kalinina, N.A., Kruglov, V.V., Khazins, D.M. Accuracy of the spatial arrangement and tension of wire electrodes in proportional chambers 9—97938
Alekseev, G.D., Kalinina, N.A., Kruglov, V.V., Khazins, D.M. Proportional chamber with signal-wire spacing of 10 mm 9—97939
Alekseev, G.D., Khazins, D.M., Kruglov, V.V. Self-quenching streamer discharge in a wire chamber 9—63869
Alekseev, G.M. *see* Fedorov, V.G. 9—87731
Alekseev, G.S. *see* Eigenbrot, V.M. 9—88943
Alekseev, I.M., Svirkunov, P.N. Scattering of radiation by a particle with a thermal halo 9—98288
Alekseev, L.A., Levi, R.B., Kogan, L.I., Matrokhina, E.F., Entin, R.I. Incubation period of the pearlitic transformation 9—70061
Alekseev, N.E., Gromov, A.K., Izyneev, A.A., Kopylov, Yu.L., Kravchenko, V.B. Thermal lenses in glass active elements of pulse-periodic lasers 9—89914
Alekseev, N.E., Gruzdev, V.V., Izyneev, A.A., Kopylov, Yu.L., Kravchenko, V.B., Milyavskii, Yu.S., Mikhailov, Yu.N., Rozman, S.P., Fisher, A.M. Investigation of the laser properties of phosphate glasses under pulse-periodic pumping conditions 9—64236
Alekseev, P.N., Bolobov, P.A., Zaritskii, S.M., Koshcheev, V.N., Pinegin, A.A., Shishkov, L.K. Comparison of four iterative methods of solving one-group finite-difference diffusion equations for two-dimensional models of fast reactors 9—97752
Alekseev, P.N., Zaritskii, S.M., Shishkov, L.K. Choice of optimal variant of variable-direction method for calculation of two-dimensional reactor models 9—97751

Alekseev, S.G., Gel'man, M.M., Kotyuk, A.F., Levchenko, D.G. Digital system for measuring probabilistic and statistical characteristics of infralow-frequency processes 9—71431

Alekseev, S.N. *see* Mikitishin, S.I. 9—52508

Alekseev, S.N. *see* Petrivskii, R.I. 9—52439

Alekseev, V.A., Salomaa, R. An application of coherence resonances in molecular transition identification 9—54920

Alekseev, V.A., Yatsenko, L.P. Effect of field and transit broadening on the collision shift of an optical frequency standard 9—59783

Alekseev, V.I., Petrov, G.B., Shcherbedinskii, G.V. Investigation into thermodynamic properties of Ni-Nb alloys 9—52160

Alekseev, V.N., Bordachev, E.G., Vitsinskii, S.A., Kulakov, V.I., Rybin, V.N., Starikov, A.D. Influence of the shape of a pump radiation pulse on the energy stored in neodymium-glass amplifiers 9—64235

Alekseev, V.N., Mak, A.A., Pivinskii, E.G., Sedov, B.M., Starikov, A.D., Tsvetkov, A.D. Disk amplifier output stages 9—64237

Alekseev, Yu.P., Stekol'shchikov, E.V. The Doppler effect under conditions of sound dispersion 9—86277

Alekseev, Yu.S., Levin, E.S., Gel'd, P.V. Short-range order in amorphous Mn_3Ge_2 and $Mn_{21}Ge_8$ films 9—69013

Alekseev, Yu.V. *see* Birzhevoi, G.A. 9—60404

Alekseeva, I.P., Belyaevskaya, N.M., Bobovich, Ya.S., Tsenter, M.Ya., Chuvaeva, T.I. Generation, interpretation, and some examples of the use of Raman spectra of titanium-dioxide activated devitrified glasses 9—78677

Alekseeva, I.S. *see* Khromov, Yu.F. 9—52529

Alekseeva, K.G. *see* Vlasova, N.I. 9—50361

Alekseeva, L.E. *see* Fedorov, V.G. 9—78962

Alekseeva, M.I., Petrakova, N.M., Savrasov, A.N., Tsyvkin, V.R. The FOU general-purpose objective photometer 9—49268

Alekseeva, S.A. *see* Sobolev, V.V. 9—73448

Alekseeva, T.A., Teplitskaya, T.A. Development of principles for the determination of the type of molecular structure of unknown compounds in complex mixtures by the method of luminescence spectroscopy 9—87891

Alekseeva, V.G., Zaets, N.F., Kudryashov, A.A. Hall effect in n-type $Bi_{1-x}Sb_x$ single crystals in strong magnetic fields 9—69532

Alekseevskii, N.E. Effect of the emission current on the critical parameters of tantalum 9—91185

Alekseevskii, N.E., Bazan, Cz., Glinski, M., Dubrovin, A.V., Nizhankovskii, V.I. Measurements of high magnetic fields and their gradients by a beryllium single-crystal indicator 9—63280

Alekseevskii, N.E., Dobrovol'skii, N.M., Kiosse, G.A., Malinovskii, T.I., Markus, M.M., Radautsan, S.I., Samus, D.P. Structure and properties of $SnMo_6S_8$ single crystals 9—86773

Alekseevskii, N.E., Wolf, G., Bohmhammel, K., Dobrovolskii, N.M., Hohlfeld, C. Singularities in the magnetic and superconducting properties of $YbFe_xMo_6S_8$ 9—51710

Alekseevsky, N., Krasnopiorov, E., Trojnar, E., Zaleski, A.J. On the distribution of the magnetic field of the transport current in type-II superconductor 9—51730

Alekseyev, I.A. *see* Borishanskiy, V.M. 9—90244

Alekseyev, S.I. *see* Tyazhelov, V.V. 9—79483

Alekseyeva, L.M. Spatial inhomogeneity of viscosity and its effect on the dynamics of the upper atmosphere 9—53590

Alekseyeva, L.M., Tashkinova, L.G. Substorms and transfer of ionospheric pressure oscillations to the neutral atmosphere 9—58158

Aleksin, V.A., Sovershennyi, V.D., Chikova, S.P. Calculation of the turbulent boundary layer at surfaces with porous sections 9—86412

Aleksin, V.A., Sovershennyy, V.D. Numerical analysis of a turbulent boundary layer with sharp variations in boundary conditions 9—98697

Aleksoff, C.C. *see* Tai, A. 9—98296

Alemany, A., Moreau, R. MHD flow in the presence of a transverse magnetic field with several dipoles 9—90345

Alemasov, V.Ye., Maksimov, V.K., Sagadeyev, V.I., Sergeyenko, E.S., Taymarov, M.A. Measurement of temperature in hot two-phase flow 9—94700

Aleonard, R., Morin, P. TmCd quadrupolar ordering and magnetic interactions 9—73676

Aleshchenko, Yu.A. *see* Vodop'yanov, L.K. 9—69846

Aleshin, I.V., Doman', A.A., Imas, Ya.A. Optical breakdown of glass by a sharply focused laser beam 9—69776

Aleshin, N.I. *see* Goryachev, P.T. 9—96205

Aleshin, V.I., Bakalyarov, A.M., Balysh, A.Ya., Kostromitin, V.V., Lebedev, V.I., Mikaelyan, L.A. Search for abnormal energy release in ^{252}Cf fission 9—89340

Aleshin, V.I. *see* Lebedeva, M.F. 9—74256

Aleshina, N.M. *see* Polushchenko, O.L. 9—78445

Aleshina, N.N. *see* Pakhomov, P.M. 9—57220

Aleshkov, Yu.Z. Theory of surface waves on a flowing liquid 9—90269

Aleshonkova, E.A. *see* Mel'nikov, V.G. 9—96155

Alessandrini, E.I., Chu, W.K., Poponiak, M.R. TEM study of the two-step annealing of arsenic-implanted ⟨100⟩ silicon 9—82249

Alessandrini, W. Developments in metal-sealed all-metal gate valves 9—63243

Alessi, P., Canepa, B., Kikic, I. Influence of operating parameters on selectivity in a separation process by liquid membrane permeation for the ystem styrene-ethylbenzene 9—87871

Alessio, L., Palagi, L., Mottironi, P., Colla, B., Astorri, E. Vectorcardiography with microcomputers 9—70669

Alessio, S. *see* Bergamasco, L. 9—75062

Alesso, H.P. Elementary catastrophe theory modelling of an end-loading ring in a rigid cavity 9—68585

Alex, F., Byrne, J.G. A correlation of positron lifetime and hardness studies of the deformation of 4340 steel 9—87649

Alexander, D.R., Peng, Y.K. Calculated time-dependent delayed neutron group yields for thermal-neutron fission of uranium-235 9—54463

Alexander, G. *see* Berger, C. 9—49519

Alexander, G.V. *see* Young, D.R. 9—88010

Alexander, H. Models of the dislocation structure 9—82205

Alexander, H., Weiss, A.B., Parsons, J.R., Strauchler, I.D., Corcoran, S.F. An absorbable polymer-filamentous carbon tissue scaffold for ligament and tendon replacement 9—92434

Alexander, H. *see* Parsons, J.R. 9—79691

Alexander, H. *see* Weber, E. 9—82871

Alexander, I.C., Barker, M.G. The reactions of some lanthanide oxides with liquid lithium 9—66276

Alexander, J. Sigma cameras—modern gamma cameras with microprocessors 9—63328

Alexander, J. An infrared traveling matte system with electron masking 9—75642

Alexander, J.E. *see* Johnston, R.P. 9—53287

Alexander, J.K., Kaiser, M.L., Rodriguez, P. Scattering of terrestrial kilometric radiation at very high altitudes 9—101025

Alexander, J.K. *see* Kaiser, M.L. 9—84732

Alexander, L.J. *see* Springer, D.A. 9—92402

Alexander, M.E., Morris, J.Ll. Galerkin methods applied to some model equations for non-linear dispersive waves 9—53985

Alexander, M.H. Sudden theories of rotationally inelastic LiH-HCl and LiH-DCl collisions 9—98201

Alexander, M.H. *see* Dagdigian, P.J. 9—98200

Alexander, P., Daniel, J.H. Underground gasification for steeply dipping coal beds 9—87948

Alexander, P.W., Pickett, G.R. The equivalence of temperature and velocity in determining the non-linear positive ionic motion in normal liquid ^3He 9—86952

Alexander, R.W. *see* Bell, R.J. 9—51927

Alexander, S., Bernasconi, J., Orbach, R. Low energy density of states for disordered chains 9—60676

Alexander, S., Pincus, P. Osmotic compressibility of partially deuterated polymer solutions 9—90517

Alexander, S. *see* Helman, J.S. 9—73747

Alexander, S. *see* Meirovitch, E. 9—82147

Alexander, S.S. *see* McCowan, D.W. 9—84187

Alexander, T.K., Forster, J.S., Ball, G.C., Davies, W.G. Measurements of the relative angular efficiency of a Ge(Li) detector: Q_k factors and Doppler broadening 9—54750

Alexander, T.K. *see* Hausser, O. 9—63578

Alexander, W.C. *see* Crosier, W.G. 9—79673

Alexander, Y., Landau, R.H. Intermediate-energy proton-^4He elastic scattering with a microscopic optical potential 9—71853

Alexander, Y., Landau, R.H. A calculation of intermediate energy proton-^4He elastic scattering with a microscopic optical potential 9—85423

Alexandrakis, G.C., Allen, J.W., Privorotskii, I.A. Magnetoelastic excitations and ferromagnetic resonance 9—82879

Alexandre, F. *see* Carenco, A. 9—76878

Alexandrescu, R. Absorption of laser radiation in Stark tunable molecular gases 9—86157

Alexandrescu, R., Dutu, D., Dumitras, D., Comaniciu, N., Draganescu, V., Avtonomov, V.P. CO_2 laser modulation and frequency stabilization possibility by means of the Stark effect in $C_2H_4F_2$ 9—59667

Alexandrescu, R. *see* Avtonomov, V.P. 9—94266

Alexandroaiei, D., Sanduloviciu, M. On the connection between stationary and running striations in a hydrogen glow discharge 9—90487

Alexandrov, A.A., Kudoyarov, M.P., Lemberg, I.Kh., Pasternak, A.A. Lifetimes and spin-parity assignments of excited states in ^{69}Ge populated in the $^{66}Sn(\alpha,n\gamma)$ reaction 9—63629

Alexandrov, A.K., Markovski, V.I. Instrument for measuring of the inductivity of windings with steel magnetic yoke 9—88976

Alexandrov, I.V. The effect of particle motion character upon the rate of the resonant transfer of electronic excitation 9—76498

Alexandrov, I.V., Gabrielyan, R.G. The influence of motion on the crossing electronic term problem 9—76499

Alexandrov, Yu.N. *see* Ivanov-Kholodny, G.S. 9—96939

Alexandrowicz, Z. Polymer problem studied by a loop elimination resembling the renormalization-group theory 9—86100

Alexandrowicz, Z., Termonia, Y. A stochastic theory of non-ideal behaviour. I. Microenvironment, chemical potential and transport 9—82302

Alexandru, H. *see* Bunget, I. 9—60837

Alexandru, L. *see* Novotny, V. 9—76779

Alexandru, N. *see* Haba, P. 9—67280

Alexeff, I. *see* Roth, J.R. 9—82066

Alexopoulos, K. *see* Varotsos, P. 9—60548

Alexopoulos, N.G. *see* Solomin, A.Z. 9—76813

Alfanas'ev, V.K. Several laws governing variation in plasticity of aluminium and its alloys 9—57050

Alfano, R.R. *see* Bates, H.E. 9—61330

Alfano, R.R. *see* Lu, P.Y. 9—81446

Alfano, R.R. *see* Monger, T.G. 9—83706

Alfano, R.R. *see* Pellegrino, F. 9—75615

Alfaro, V.De *see* De Alfaro, V.

Alfassi, Z.B., Baer, M. A theoretical study of the atmospheric pulsed H_2+F_2 chemical laser including rotational nonequilibrium effects 9—55127

Alfassi, Z.B., Giniger, R., Huler, E., Reisler, H. Parametric study of flash-initiated Cl_2+HI chemical laser 9—94224

Alfassi, Z.B. *see* Feldman, L. 9—57266

Alferov, D.F., Bashmakov, Yu.A., Belovintsev, K.A., Bessonov, E.G., Cherenkov, P.A. The ondulator as a source of electromagnetic radiation 9—72174

Alferov, D.F., Bashmakov, Yu.A., Bessonov, E.G. Theory of undulator radiation 9—55042

Alferov, D.F., Bashmakov, Yu.A., Bessonov, E.G. Theory of undulator radiation. II 9—55043

Alferov, N.S., Balunov, B.F., Rybin, R.A. Calculation of heat transfer rates for the case of combined effect of induced turbulent flow and natural convection 9—90243

Al'ferov, N.S., Shul'zhenko, Ye.N. Pressure drops in two phase flows through local resistances 9—77221

Alferov, N.S. *see* Andreyev, P.A. 9—90333

Alferov, Zh.I., Andreev, V.M., Egorov, B.V., Syrbu, A.V. Monolithic matrix of $Al_xGa_{1-x}As$ heterojunction LED 9—56301

Alferov, Zh.I., Andreev, V.M., Garbuzov, D.Z., Egorov, B.V., Larionov, V.R., Fedorova, O.M., Rymyantsev, V.D. Efficient solar cell with an intermediate wavelength conversion for operation with concentrators 9—70451

Alferov, Zh.I., Belovolov, M.I., Gorelenok, A.T., Gur'yanov, A.N., Devyatykh, G.G., Dianov, E.M., Karasik, Ya., Kolyshkin, V.I., Kop'ev, P.S., Prokhorov, A.M., Yushin, A.S. Fiber-optical long-distance telecommunication line operating at the wavelength of 1.3 μ 9—64346

Alferov, Zh.I., Gorelenok, A.T., Kolyshkin, V.I., Kop'ev, P.S., Tarasov, I.S., Mdivani, V.N., Tibilov, V.K., Usikov, A.S. InGaAsP injection heterojunction laser at 1.3-1.5 μ 9—89910

Alferov, Zh.I., Korol'kov, V.I., Konicheva, I.M., Yuferev, V.S., Yakovenko, A.A. Effective control of modulation of base resistance in p^+-n^0-n^+ gallium arsenide structures 9—91133

Alfimov, M.V. *see* Gerko, V.I. 9—54865

Alfimov, M.V. *see* Popov, L.S. 9—54842

Alfimov, M.V. *see* Shekk, Yu.B. 9—85991

Alfonso, G.C., Bianchi, E., Ciferri, A., Russo, S., Salaris, F., Valenti, B. Ultrahigh-modulus fibers from rigid and semirigid aromatic polyamides 9—95992

Alfonso, G.C., Pedemonte, E., Ponzetti, L. Mechanism of densification and crystal perfection of poly(ethylene terephthalate) 9—66082

Alford, N.A., Barrie, A., Drummond, I.W., Herd, Q.C. Auger electron spectroscopy(AES). An appraisal 9—92043

Alford, W.P., Anderson, R.E., Batay-Csorba, P.A., Emigh, R.A., Lind, D.A., Smith, P.A., Zafiratos, C.D. The (^3He, n) reaction on N=82 targets and even isotopes of neodymium 9—63574

Alford, W.P., Anderson, R.E., Batay-Csorba, P.A., Emigh, R.A., Lind, D.A., Smith, P.A., Zafiratos, C.D. The (^3He, n) reaction on tellurium isotopes 9—75852

Alfrey, T. Polymer crystallization induced by biaxial stretching during film manufacture 9—82164

Algazi, V.R., Ford, G.E., Kazakoff, J.A. Radiometric correction and equalization of satellite digital data 9—74587

Algazi, V.R. *see* Ford, G.E. 9—74588

Algazin, Yu.B., Blyumkina, Yu.A., Grebnev, N.I., Svitashev, K.K., Semenenko, L.V., Yablontseva, T.M. Optical constants and temperature dependences of atomically pure surfaces of germanium and silicon 9—65823

Alger, S.R. *see* Rees, J.A. 9—50837

Algermissen, S.T. *see* Brabb, E.E. 9—88273

Algermissen, S.T. *see* Hays, W.W. 9—88287

Algra, H.A., Robertson, J.M. A FMR study on horizontally dipped LPE grown (La,Ga):YIG films 9—78449

Algra, H.A., Robertson, J.M. Inhomogeneities in horizontally dipped LPE (La,Ga):YIG films studied by spin wave resonance 9—91298

Algranati, M., Faibis, A., Kaim, R., Vager, Z. Use of charge transfer device for particle detection 9—93883

Alguard, M.J., Clendenin, J.E., Ehrlich, R.D., Hughes, V.W., Ladish, J.S., Lubell, M.S., Schuler, K.P., Baum, G., Raith, W., Miller, R.H., Lysenko, W. A source of highly polarized electrons at the Stanford linear accelerator center 9—76242

Alguard, M.J., Swent, R.L., Pantell, R.H., Berman, B.L., Bloom, S.D., Datz, S. Observation of radiation from channeled positrons 9—51176

Alguard, M.J., Swent, R.L., Pantell, R.H., Berman, B.L., Bloom, S.D., Datz, S. Channeling radiation from positrons 9—69167

Alguard, M.J. *see* Cooper, P.S. 9—58540

Alguard, M.J. *see* Pantell, R.H. 9—55797

Alhassid, Y. *see* Agmon, N. 9—49183

Ali, A., Korner, J.G., Kramer, G., Willrodt, J. Jet-like distributions from the weak decay of heavy quarks 9—75746

Ali, A., Korner, J.G., Kunszt, Z., Willrodt, J., Kramer, G., Schierholz, G., Pietarinen, E. Four-jet production in e^+e^--annihilation 9—49459

Ali, A., Korner, J.G., Willrodt, J., Kramer, G. Indications of $b\bar{b}$ production and decay at PETRA 9—63492

Ali, A., Pietarinen, E. Semileptonic decays of heavy quarks in quantum chromodynamics 9—75743

Ali, A. *see* Grundy, P.J. 9—91272

Ali, A. *see* Turner, D.A. 9—57769

Ali, A.W. *see* Hammer, D.A. 9—73019

Ali, F.M. *see* Faraj, B.A. 9—53231

Ali, M.M., Ahmad, A. Stresses in a thin isotropic elastic plate having a hypotrochoidal hole under uniform pressure 9—98617

Ali, M.P. *see* Tove, P.A. 9—51660

Ali, M.el Sayed *see* el Sayed Ali, M.

Ali, P. *see* de Sousa Pires, J. 9—99619

Ali, S.M., Mahmoud, S.F. Electromagnetic fields of buried sources in stratified anisotropic media 9—94128

Ali, S.M.J. *see* Sarna, S.P. 9—94566

Ali, S.P. *see* Hird, B. 9—72410

Ali, S.T. On some representations of the Poincare group on phase space 9—88827

Ali Alaric Gotuk *see* Gotuk Ali Alaric

Ali Kettani, M. Storage of solar energy by compressed air 9—57468

Ali Khattak, M. Application of the extended effective mass theory to the exciton spectra of CuCl 9—69424

Ali Khattak, M., Goodman, R.R. Application of the extended effective mass theory to the exciton spectra of Cu_2O 9—69423

Ali Kone, Souquet, J.L., Barrau, B., Ribes, M. Structure and electrical conductivity of glasses in the system $Li_2Si_2O_5$-Li_2SO_4 9—65482

Ali Mir-Mohamad-Sadegh, Altiero, N.J. A boundary-integral approach to the problem of an elastic region weakened by an arbitrarily-shaped hole 9—90137

Ali Sadeghi Mohammed *see* Mohammed Ali Sadeghi

Ali-Reza Hashemi-Attar, Beckel, C.L., Keepin, W.N., Sonnleitner, S.A. A new functional form for representing vibrational eigenenergies of diatomic molecules. Application to H_2^+ ground state 9—68220

Ali-zade, A.N., Amen-zade, R.Yu., Aslanov, A.S. About a constructive method for equations of thin elastic pivots theory 9—49050

Ali-Zade, M.Z. *see* Nadzhafov, A.I. 9—78939

Aliaga, N. *see* Fonteneau, G. 9—99918

Aliakbar, Y. *see* Jain, P.L. 9—101037

Alibekov, B.I. *see* Sardarov, S.S. 9—62608

Alibran, P. *see* Armenise, N. 9—67536, 9—93397, 9—93398

Alic, V., Jevremovic, M. Several information systems models relevant to developed freeze-drying systems for foodstuffs and biological materials 9—58727

Alicki, R. Remark on the entropy balance for the unstable particles 9—80554

Alicki, R. On the entropy production for the Davies model of heat conduction 9—88899

Alidhzanov, M.A. *see* Rustamov, P.G. 9—87093

Alidzhanov, M.A., Abilov, Ch.I., Rustamov, P.G., Novruzov, O.N., Nasirov, Ya.N. Magnetic susceptibility of single crystals of solid solutions $In_{1-x}Pb_xTe$ 9—51738

Aliev, D.F., Chirkov, V.N., Zeinally, A.Kh. Stable textures and electrohydrodynamic instability in cholesteric liquid crystals with coarse-pitch spirals 9—90550

Aliev, D.F. *see* Chirkov, V.N. 9—78656

Aliev, F.I., Guseinov, D.T., Nani, R.Kh. Structure and photoelectric properties of $CdIn_2S_4$ films obtained by vacuum deposition 9—87006

Aliev, M.I., Isakov, G.I., Zeinalov, S.A. Electric activity of gadolinium and ytterbium as impurities in gallium antimonide 9—87115

Aliev, M.I. *see* Aliev, S.A. 9—51616

Aliev, M.R., Watson, J.K.G. The rotational dependence of diagonal Coriolis coupling 9—63977

Aliev, N.A. *see* Tagiev, B.G. 9—51517

Aliev, O.M., Rustamov, P.G., Guseinov, G.G., Guseinov, M.S. Growth and X-ray analysis of single crystals of $EuSb_4S_7$ and $EuSb_2Se_4$ 9—100033

Aliev, O.M. *see* Nadzhafov, A.I. 9—78939

Aliev, O.M. *see* Rustamov, P.G. 9—78857, 9—87093

Aliev, S.A., Aliev, M.I., Arasly, D.G. Transport phenomena electron energy spectrum in the narrow band semiconductors 9—51616

Aliev, S.A., Borisenko, A.G., Kirichenko, G.S. Collisionless relaxation of an ion beam in a plasma with a high frequency electric field 9—68933

Aliev, T.M., Saligov, S.G., Ismailov, Kh.A. Automatic methods for correcting measuring-system errors 9—80566

Aliev, Yu.M., Bychenkov, V.Yu. Paramagnetic generation of magnetic fields in a plasma under intense irradiation [Sic] 9—77412

Aliev, Yu.M., Stefan, V. Theory of parametric resonance in a current carrying magnetized plasma 9—68918

Aliev, Yu.M. *see* Abdullaev, A.Sh. 9—60164

Alieva, L.N., Belen'kii, G.L., Reshina, I.I., Salaev, E.Yu., Shteinshraiber, V.Ya. Raman scattering of light and interlayer interaction in InSe crystals 9—95777

Alieva, L.N. *see* Belen'kii, G.L. 9—51483, 9—69849

Alifanov, O.M., Artyukhin, Ye.A., Pankratov, B.M. Solution of nonlinear inverse problem of heat conduction 9—94452

Alifanov, O.M., Kuznetsov, V.S., Pakratov, B.M., Ukolov, I.M. An automatic unit for processing experimental heat-transfer data 9—93110

Alifanov, O.M., Rumyantsev, S.V. One method of solving incorrectly stated problems 9—90111

Alifanov, Yu.P. *see* Astakhov, E.A. 9—70195

Alikhanian, A.I., Chechin, V.A. Eikonal approximation in X-ray transition radiation theory 9—49422

Alikhanov, S.G., Glushkov, I.S. The magnetic-pinch discharge and the obtainment of super-strong magnetic fields 9—90444

Alikov, B.A., Baznat, M.I., Mai, F.R., Malikov, M.M., Muminov, T.M., Pashkevich, V.V. Analysis of the properties of odd-even isotopes of terbium with A=149, 151, 153, 155, and 157 9—75828

Alikov, B.A., Vavryshchuk, Ya., Gromov, K.Ya., Lizurei, G.I., Malikov, M.M., Muminov, T.M., Omanov, Sh., Usmanov, R.R. $^{151}Dy \rightarrow {}^{151}Tb$ decays and the isomer ^{151m}Tb 9—75919

Alimov, A.K., Alavutdinov, Dzh.N., Ovechkin, N.F., Sadykov, A.S., Mashampin, A.M., Suyarov, Kh. Heliotherapy unit 9—83885

Alimov, A.K., Novikova, I.A., Sutyagina, V.M. Study of metallized reflecting surface aging 9—83340

Alimov, A.K. *see* Umarov, G.Ya. 9—83624, 9—96480

Alimpiev, S.S. *see* Averin, V.G. 9—89896

Alimzhanov, M.T. Elastic-plastic deformation of a material with nonuniform mechanical properties 9—92531

Alipieva, E.A., Kotlikov, E.N. Determination of the lifetimes and cross sections of depolarizing collisions of lasing working levels at a wavelength of 1.52 μm in mercury 9—76387

Alipov, A.N., Kopyakov, L.N., Kostrova, O.B. Determination of acceptable error of a photoelectric concentration meter for automatic biochemical analysis 9—92435

Alippi, A. *see* Adamou, A. 9—86279

Alire, R.M. *see* Steward, S.A. 9—67945

Alisauskas, S.I. *see* Norvaisas, E.Z. 9—67693

Alix, A.J.P., Krug, O. Normal coordinate analysis of double bridged binuclear complexes: symmetry coordinates of the planar $[Y_2XZ_2XY_2]D_{2h}$ model (containing a square ring X_2Z_2) 9—81194

Aliyev, I.M. *see* Ismailzade, I.H. 9—82932

Aliyevskiy, M.Ya. Kinetic theory of the conductivity of the ionospheric plasma 9—53609

Alizade, A.A., Khydyrov, F.L. Analysis of the electric field strength waveform due to lightning current 9—88402

Alizade, V.V., Blokhintseva, T.D., Berezhnev, S.F., Dem'yanov, A.V., Kuptsov, A.V., Kurochkin, V.P., Nemenov, L.L., Pustylnik, Zh.P., Smironov, G.I., Khazins, D.M. Measurement of differential cross sections for inverse pion electroproduction ($\pi^- + p \rightarrow e^+ + e^- + n$) at the pion energy E=164 MeV 9—80845

Alizade, V.V., Kuptsov, A.V., Kurochkin, V.P., Nemenov, L.I., Smirnov, G.I., Khazins, D.M. An estimation of the cross section of $^{12}C(\pi^-, e^+e^-)^{12}B$ reaction at the pion energy 164 MeV 9—89333

Alizadeh, S., Bahar, F., Geoola, F. Design and optimisation of an absorption refrigeration system operated by solar energy 9—87974

Alkaeva, O.F. *see* Ivanova, S.L. 9—51296

Alkan, H. Analysis of the light curves of SX Aurigae, by automated Fourier techniques 9—92798

Alkeev, N.V. *see* Kaminskii, A.S. 9—83003

Alkezweeny, A.J. *see* Miller, D.F. 9—74575

Alkhazov, G.D., Batist, L.Kh., Berlovich, E.Ye., Blinnikov, Yu.S., Yelkin, Yu.V., Mezilev, K.A., Novikov, Yu.N., Pantelejev, V.N., Poljakov, A.G., Schigolev, N.D., Tarasov, V.N., Afanasjev, V.P., Gromov, K.Ya., Jachim, M., Janicki, M., Kalinnikov, V.G., Kormicki, J., Potempa, A., Rurarz, E., Tarkanyi, F., Yushkievich, Yu.V. New neutron deficient lutetium isotopes 9—75957

Alkhazov, G.D., Belostotsky, S.L., Damaskinsky, E.A., Dotsenko, Yu.V., Domchenkov, O.A., Kuropatkin, N.P., Legrand, D., Nikulin, V.N., Prokof'ev, O.E., Shuvaev, M.A., Volkov, S.S. $\bar{p}$-^{3}He elastic scattering at 1 GeV 9—80938

Alkhazov, G.D., Bertay, R., Boudar, A., Bryudzh, G., Domchenkov, O.A., Katz, H., Shomot, A., Couvert, P., Escudy, J.L., Fontaine, J.M., Garcon, M., Guyot, J., Legrand, D., Lyugol, J.S., Lombard, R.M., Matoba, M., Terrien, Y. Distribution of nuclear matter in the nuclei of even nickel isotopes from data on the scattering of protons having an energy of 1 GeV 9—75883

Alkhimov, A.P., Boiko, V.M., Papyrin, A.N., Soloukhin, R.I. Diagnostics of supersonic two-phase streams from scattered laser radiation 9—68830

Alkire, R., Siitari, D. The location of cathodic reaction during localized corrosion 9—70337

Alksnis, J.K. *see* Van den Cruyce, J.M. 9—93491

Alla, A.Nasr *see* Nasr Alla, A.

Allaby, J.V. *see* Jonker, M. 9—93399

Alladin, S.M. *see* Sastry, K.S. 9—84850

Allain, A. *see* Aubert, M. 9—97762

Allain, C., Cazabat, A.-M., Langevin, D., Pouchelon, A. Measurement of thermal diffusion coefficient of water/oil micro-emulsions 9—87880

Allain, C., Lallemand, P. Phenomenological models compatible with acoustical and thermal properties of viscous liquids 9—82393

Allain, C., Lallemand, P. Light scattering and calorimetric study of the thermal diffusivity of glycerol, liquid and glass 9—82394

Allain, C. *see* Boon, J.P. 9—76943

Allain, M.-F. Approximate ion of stochastic integrals by Stieltjes-Lebesque integrals relative to Brownian motion indexed by R^d+ 9—49162

Allais, G. *see* Traore, H. 9—79259

Allakhverdiev, K.R., Abbasov, A.N., Mekhtiev, T.R., Nani, R.Kh. Far-infrared reflection spectra of $CdInGaS_4$ single crystals 9—91439

Allakhverdiev, K.R., Babaev, S.S., Tagiev, M.M. Two-mode behaviour of the optical phonons in GaS_xSe_{1-x} solid solutions 9—78680

Allakhverdiev, K.R., Salaev, E.Yu., Safarov, N.Yu., Vodopyanov, L.K., Golubev, L.V. Light scattering in $TlInSe_2$ single crystals 9—56804

Allakhverdiev, K.R. *see* Abdullaev, G.B. 9—87443, 9—99883

Allakhverdiev, K.R. *see* Salaev, E.Yu. 9—51943

Allakhverdiev, K.R. *see* Vodop'yanov, L.K. 9—69846

Allam, I.M., Whittle, D.P., Stringer, J. Improvements in oxidation resistance by dispersed oxide addition: Al_2O_3-forming alloys 9—83379

Allam, M.M. DTM application in topographic mapping 9—84544

Allamandola, L.J., Greenberg, J.M., Norman, C.A. On the middle infra-red fluorescence and absorption of molecules in grain mantles 9—88716

Allan, D. *see* le Comber, P.G. 9—65477

Allan, D.I. *see* Morris, L.R. 9—64443

Allan, G. Condition for the existence of a permanent magnetic moment near transition-metal surfaces 9—82747

Allan, G. Relaxation and force constant near a $6(111)\times(\bar{1}11)$ platinum stepped surface 9—86973

Allan, J. *see* Staynov, D.Z. 9—62179

Allan, J.C., Mann, R. Reactive exothermic gas absorption—improved analytical predictions from a hyperbolic solubility approximation 9—74341

Allan, L.E. *see* McCormick, G.C. 9—58046

Allan, M., Maier, J.P., Marthaler, O., Stadelmann, J.-P. Emission spectra of the radical cations of difluorodiacetylene, perfluoropentadiyne-1,3, and perfluorohexadiyne-2,4 in the gas phase: $\tilde{A} \rightarrow \tilde{X}$ band systems and the lifetimes of the $\tilde{A}$ states 9—72327

Allan, W., Knox, F.B. The effect of finite ionosphere conductivities on axisymmetric toroidal Alfven wave resonances 9—75035

Allara, D.L. Infrared spectra of polymer mixtures—problems caused by dispersion effects in difference spectra 9—96379

Allara, D.L. *see* Chang, R.P.H. 9—77937, 9—91821

Allard, B., Kigatsi, H., Torstenfelt, B. Technetium: reduction and sorption in granitic bedrock 9—79415

Allard, L.F. *see* Pochay, P. 9—57822

Allard, N.F. *see* Kielkopf, J.F. 9—76389

Allard, P., Duhaime, M. A dynamic long leg orthosis for Duchenne muscular dystrophy patients 9—96715

Allard, P., Tazieff, H., Dajlevic, D. Observations of seafloor spreading in Afar during the November 1978 fissure eruption 9—57912

Allardyce, B.W., Fiebig, A., Le Dallic, G., Madsen, J.H.B., Standley, P.H. Status report on CERN SC 9—54647

Allas, R.G. *see* Myers, L.T. 9—75999

Allasia, D. *see* Armenise, N. 9—67533

Allawadhi, K.L. *see* Arora, S.K. 9—72288

Allday, C. Nuclear power, politics and public opinion 9—93810

Allebach, J.P. Aliasing and quantization in the efficient display of images 9—81372

Allebach, J.P., Stradling, R.N. Computer-aided design of dither signals for binary display of images 9—94161

Allee, P.A. *see* Parungo, F.P. 9—88446

Allegre, C.J., Othman, D.B., Polve, M., Richard, P. The Nd-Sr isotopic correlation in mantle materials and geodynamic consequences 9—92512

Allegre, C.J. *see* Glitsch, L. 9—88343

Allegre, C.J. *see* Hamelin, B. 9—53329

Allegre, C.J. *see* Manhes, G. 9—88315

Allegre, C.J. *see* Minster, J.F. 9—53778

Allegre, C.J. *see* Stettler, A. 9—88327

Allegre, J. *see* Lengrand, J.-C. 9—94674

Allegre, R. *see* Delisle, J.P. 9—97871

Allegrini, M., Johns, J.W.C., McKellar, A.R.W. Laser Stark spectroscopy of the ν_4 fundamental band of CH_2NH at 6.1 μm 9—64039

Allegrini, M., Kopystynska, A., Moi, L. On the dissociation products of the $C^1\Pi_u$ state of Na_2 and K_2 molecules 9—98171

Allemand, L., Aurouet, C., Beauval, J.J., Blumenfeld, H., Bosc, G., Bourminaud, M., Evrard, P., Jeanney, C., Locci, E., Micolon, P., Palanque, S., Spiro, M., Thevenin, J.C. Development of new scintillators coupled to wavelength shifter material (BBQ) 9—81126

Allen, A.D. On the possibility of charged photons 9—97551

Allen, A.R., Richards, M.G., Schratter, J. Diffusion coefficient of ^3He in solid ^4He 9—56026

Allen, A.W., Goldenbaum, G.C. Observations of the nonlinear phase of a noncircular cross section toroidal kink instability 9—60182

Allen, B.J. *see* Musgrove, A.R. de L. 9—93610

Allen, C.A. *see* Cole, L.T. 9—52879

Allen, C.B. *see* Janz, G.J. 9—60531, 9—92090

Allen, C.C. Desert varnish of the Sonoran desert—optical and electron probe microanalysis 9—79834

Allen, C.C. Areal distribution of Martian rampart craters 9—84706

Allen, C.J. *see* Ambridge, T. 9—99615

Allen, C.R., Cowan, R.G., Crippen, M.D., Divine, J.R. Radioactive acid digestion test unit nonradioactive startup operations 9—49717

Allen, C.S., Van Duyne, R.P. Orientational specificity of Raman scattering from molecules adsorbed on silver electrodes 9—69822

Allen, D. *see* Murdin, P. 9—101093

Allen, D.A. *see* Barton, J.R. 9—67032

Allen, D.A. *see* Longmore, A.J. 9—71127

Allen, D.C., Price, T.J., Simpson, C.J.S.M. Low temperature vibrational relaxation of carbon monoxide by light mass species 9—89698

Allen, D.M., Horne, D.F., Stevens, G.W.W. Quantitative examination of photofabricated profiles. III. Measurement of etch factor 9—61779

Allen, E.J. *see* Blakeman, E.D. 9—85682

Allen, F.G. *see* Shahriary, I. 9—78159

Allen, G.C., Tucker, P.M., Wild, R.K. Surface oxidation of nickel metal as studied by X-ray photoelectron spectroscopy 9—61787

Allen, G.C., Jr. *see* Sutherland, S.H. 9—59205, 9—89410

Allen, J.A.Van *see* Van Allen, J.A.

Allen, J.B., Berkley, D.A. Image method for efficiently simulating small-room acoustics 9—68487

Allen, J.B., Sondhi, M.M. Cochlear macromechanics: time domain solutions 9—88087

Allen, J.B. *see* Neely, S.T. 9—86294

Allen, J.C., Boettcher, A.L. Amphiboles in andesite and basalt. II. Stability as a function of P-T-fH_2O-fO_2 9—66678

Allen, J.D. *see* Spears, D.P. 9—81351

Allen, J.D., Jr., Grimm, F.A. High-resolution photoelectron spectroscopy through deconvolution 9—97472

Allen, J.D., Jr. *see* Bowling, R.A. 9—64046, 9—72357

Allen, J.E. *see* Wickens, L.M. 9—90377

Allen, J.E., Jr. *see* Anderson, W.R. 9—94035

Allen, J.F. *see* Armitage, J.G.M. 9—51376

Allen, J.S. *see* Brink, K.H. 9—79858

Allen, J.V. *see* Hess, W.M. 9—49345

Allen, J.W. *see* Alexandrakis, G.C. 9—82879

Allen, J.W. *see* Lotts, A.L. 9—59246

Allen, J.W. *see* Szawelska, H.R. 9—95443

Allen, J.W.Van *see* Van Allen, J.W.

Allen, K.W. *see* Fifield, L.K. 9—67701

Allen, L., Kravis, S.P., Plaskett, J.S. The spatial and frequency distributions of the intensity of pulsed amplified spontaneous emission 9—50270

Allen, L.E. Ion-exchange recovery techniques for the reuse of color developers 9—49319

Allen, L.J., Fiedeldey, H. The electron-deuteron tensor polarization and the short range behaviour of the deuteron wave function 9—67564

Allen, M.A., Cornacchia, M., Millich, A. A longitudinal feedback system for PEP 9—72144

Allen, M.D., Moss, O.R., Briant, J.K. Dynamic shape factors for LMFBR mixed-oxide fuel aggregates 9—67853

Allen, N.K., Latham, R.V., Cox, B.M. The source of high-β electron emission sites on broad-area high-voltage alloy electrodes 9—61502

Allen, N.L. *see* Waters, R.T. 9—86636

Allen, N.S., Bullen, D.J., McKellar, J.F. Luminescence properties and photo-activity of sulphate-processed rutile (titanium dioxide) pigments in commercial polyethylene 9—83008

Allen, N.S., McKellar, J.F., Moghaddam, B.M. Lightfastness and flash photolysis of hydroxyanthraquinones 9—96341

Allen, P.B., Chakraborty, B. Calculated high-temperature thermopower of niobium and molybdenum 9—65446

Allen, P.B. *see* Butler, W.H. 9—73273

Allen, P.B. *see* Leavens, C.R. 9—73620

Allen, P.B. *see* Pinski, F.J. 9—56360

Allen, P.D., Hampson, N.A., Lally, S., Willars, M.J. Substituted methylamines as inhibitors of the corrosion of iron 9—83384

Allen, P.R. *see* Cardito, J.M. 9—89365

Allen, R., Kanofsky, A., Hasan, A. Negative pion absorption and isobar formation as observed in streamer chamber particle nuclei interactions 9—85504

Allen, R., Kanofsky, A., Hasan, A. Observation of Frankel effect events in particle nuclei collisions in a streamer chamber 9—85505

Allen, R., Kanofsky, A., Hasan, A. Particle multiplicity correlations observed in particle nuclei collisions 9—85506

Allen, R., Kanofsky, A., Hasan, A. Fits to particle momenta spectra in streamer chamber experiment with two temperature Boltzmann model 9—85507

Allen, R.C. *see* Morel, J.E. 9—85579

Allen, R.E. Green's function and generalized phase shift for surface and interface problems 9—60895

Allen, R.E. *see* Esterowitz, L. 9—95836

Allen, R.V. Automatic earthquake recognition and timing from single traces 9—66822

Allen, R.W. *see* Anand, D.K. 9—57415

Allen, S.D., Bass, M. Laser chemical vapor deposition of metals and insulators 9—78897

Allen, S.D., Garmire, E., Bass, M., Packer, B. Calorimetric measurement of $LiNbO_3$ waveguide absorption losses 9—64311

Allen, S.D. *see* Baron, R. 9—51512

Allen, S.D. *see* Garmire, E. 9—55175, 9—59803

Allen, S.J. *see* Merritt, J.H. 9—74718

Allen, S.J., Jr. *see* Capizzi, M. 9—95336

Allen, S.M., Cahn, J.W. A microscopic theory for antiphase boundary motion and its application to antiphase domain coarsening 9—61563

Allen, W.G. *see* Hill, A.C. 9—90695

Aller, H.D. *see* Benvenuti, P. 9—71048

Aller, H.D. *see* Hodge, P.E. 9—53926

Aller, L.H., Czyzak, S.J. A spectroscopic study of moderately bright planetary nebulae 9—84835

Aller, L.H. *see* Czyzak, S.J. 9—71101

Aller, M.F. *see* Benvenuti, P. 9—71048

Aller, R.C. *see* Benninger, L.K. 9—66672

Alles, W. Spin of the τ-lepton and its neutrino from decay branching ratios 9—75757

Allex, H. *see* Eberle, H. 9—49691

Alley, P. *see* Finley, D.A. 9—49625, 9—49626

Allgaier, R.S. Electronic properties of epitaxial 6H silicon carbide 9—60942

Allgaier, R.S., Restorff, J.B. Improved weak-field magnetoresistance analysis for (001)-oriented thin films and surface layers with cubic or tetragonal symmetry 9—56329

Allgaier, R.S., Restorff, J.B., Houston, B. Unified weak-field magnetoresistance phenomenology for (111)-oriented thin films and surface layers with cubic, trigonal, and hexagonal symmetries 9—95514

Allgaier, W., Heusler, K.E. Steps and kinks on {211} iron surfaces and the kinetics of the iron electrode 9—74103

Allibert, C. *see* Dombre, M. 9—91623

Allibert, M. *see* Martin-Garin, L. 9—52740

Allibone, T.E. *see* Waters, R.T. 9—86636

Allikofer, O.C. *see* Stamm, W. 9—66902

Alliluev, S.P., Eletsky, W.L., Popov, V.S. The high orders of perturbation theory for the Stark effect in hydrogen 9—98025

Allinger, J., Brown, H.N., Carroll, A.S., Danby, G., DeVito, B., Glenn, J.W., Jackson, J., Keith, W., Lowenstein, D., Prodell, A.G. A high field superconducting beam transport in a BNL primary proton beam 9—76203

Allinson, D.L., Barry, T.I., Clinton, D.J., Hughes, A.J., Lettington, A.H., Savage, J.A. Microstructural changes in a monostable chalcogenide switching glass 9—65523

Allis, R.G. The effect of Pleistocene climatic variations on the geothermal regime in Ontario: a reassessment 9—57883

Allison, I., Barnett, R.L., Kerrich, R. Superplastic flow and changes in crystal chemistry of feldspars 9—79831

Allison, I. *see* Kerrich, R. 9—57920

Allison, J., Kondow, T., Zare, R.N. Laser-induced fluorescence measurement of the nascent rotational distribution of N_2^+ ($X^2\Sigma_g^+$) formed by electron impact on N_2 9—76520

Allison, J. *see* Latham, A. 9—89168

Allison, J. *see* Morris, J.V. 9—93434

Allison, J. *see* Walsh, P.J. 9—78139

Allison, P.W. *see* Sherman, J.D. 9—68090

Allison, P.W. *see* Smith, H.V., Jr. 9—68098

Allison, R., Goldman, S.J. Vibration effects on close in phase noise of a 300 MHz surface wave resonator oscillator 9—55289

Allison, S.A., Chang, E.L., Schurr, J.M. The effects of direct and hydrodynamic forces on macromolecular diffusion 9—50172

Allison, S.W. *see* Miller, J.C. 9—68253

Allison, W.W.M., Brooks, C.B., Lyons, L., Romaya, A.M., Shield, P.D., McPherson, A. Multiparticle identification with ISIS: Tests with the full aperture ISIS 1 9—76258

Allkofer, O.C. *see* Jokisch, H. 9—53689

Allman, P.G.C. Leakage effects in metal-oxide-semiconductor structures 9—91155

Allman, P.G.C., Board, K. Nonequilibrium response of m.o.s. devices to a linear voltage ramp in the presence of illumination 9—95500

Allmen, M.von *see* von Allmen, M.

Allnatt, A.R. *see* Mitra, S.K. 9—77591, 9—97308

Allnatt, A.R. *see* Ng, K.C. 9—89730

Alloin, D. Which observational differences are still left between Seyfert 1 and Seyfert 2 nuclei? 9—97070

Alloin, D., Collin-Souffrin, S., Joly, M. Line intensity data compilation for a sample of H II regions 9—88721

Alloul, H., Hippert, F., Ishii, H. NMR evidences for Kondo deviations of the Mn electron spin relaxation and g factor in CuMn 9—51747

Alloul, H. *see* Szeftel, J. 9—73847

Allred, D.D. *see* Clark, G.J. 9—60396

Allred, D.D. *see* Janai, M. 9—52035

Allred, J.C. *see* Hoftiezer, J.H. 9—85509

Allred, J.C. *see* Pipin, G.P. 9—85316

Allsop, A.L., Bowden, G.J., Nambudripad, N., Stone, N.J. γ-ray emission from symmetric ordered nuclear spin structure at low temperatures 9—95695

Allsop, A.L. *see* Suzuki, H. 9—61070

Allsopp, N.J. Neutral hydrogen in NGC1023 and IC239 9—53910

Allsopp, N.J. Neutral hydrogen observations of the CVn I group. I. NGC 4136, 4144, 4190, IC 4182 and DDO 133 9—84853

Allsopp, N.J. Neutral hydrogen observations of the CVn I group. II. The barred Im galaxy NGC 4214 9—92862

Allsopp, S.R., Cox, A., Kemp, T.J., Reed, W.J., Carassiti, V., Traverso, O. Inorganic photophysics in solution. II. Temperature activation of decay processes in the luminescence of uranyl[UO_2^{2+}] ion 9—91978

Allston, T.D. *see* Uthman, A.P. 9—50038

Allum, D.R., McClintock, P.V.E. Rings among the rotons: measurements of the vortex nucleation rate for negative ions whose drift velocities are limited by roton emission 9—55969

Almai, M. *see* de Kozak, A. 9—65171

Almairac, R. *see* Giordano, J. 9—51952

Almasi, G.A., Keefe, G.E., Lin, Y.S. Nucleation of 1-μm bubbles via charged walls 9—78479

Almasi, G.S. *see* Lin, Y.S. 9—82846

Almassy, R.J., Reynolds, D.C., Litton, C.W., Bajaj, K.K., McCoy, G.L. Evidence of multiexciton complexes bound to neutral acceptors in GaAs 9—87503

Almayrac, P. *see* Roman, G. 9—96774

Almazov, L.A., Gavrilenko, V.I., Zuev, V.A., Litovchenko, V.G. Electroreflection spectra of implantation-doped silicon 9—51983

Almazov, L.A., Grigor'ev, N.N. Intervalley transfer of carriers and transverse photo-EMF of semiconductors 9—69551

Almehed, S. *see* Albrow, M.G. 9—75805

Almeida, A. *see* Sorge, G. 9—51918

Almeida, J. *see* Borner, H.G. 9—93865

Almeida, J.B., Hale, P.G., Sheppard, C.J.R. On line metal coating of optical fibres 9—72723

Almeida, L.E.Carrano de *see* Carrano de Almeida, L.E.

Almeida, M.De *see* De Almeida, M.

Almeida, S.P., Fujii, H. Fourier transform differences and averaged similarities in diatoms 9—79697

Almeida, S.P. *see* Fujii, H. 9—79696

Almenas, K., Chan, K., Lee, R., Munno, F. Net energy and fissile material production balance for an accelerator breeder, burner reactor, and reprocessing plant system 9—85722

Almenas, K., Marchello, J. On the creation and persistence of mist-laden post-LOCA containment atmospheres 9—89421

Almenas, K. *see* Vieira, A.T. 9—93771

Almenas, K.K., Marchello, J.M. The physical state of post-loss-of-coolant accident containment atmospheres 9—76087

Almers, W. *see* Cahalan, M.D. 9—83745, 9—83746

Almeter, F.M. An overview of water chemistry for nuclear power plant safety 9—54553

Almgren, M., Lofroth, J.-E., Rydholm, R. Coexistence of rod-like and globular micelles in the CTAB-CTAC-H_2O system. Evidence from the fluoresence of solubilized pyrene 9—61910

Almlof, J. *see* Demidov, A.V. 9—81293

Almond, P.R., Otte, V.A., Grant, W.H., Smathers, J., Graves, R. A medically dedicated cyclotron facility 9—53244

Almond, P.R. *see* Graves, R.G. 9—62347

Almond, P.R. *see* Marbach, J.R. 9—62406

Alms, G.R., Patterson, G.D., Stevens, J.R. A study of the thermal polymerization of styrene by depolarized Rayleigh light scattering spectroscopy 9—57228

Alnot, M., Weber, B., Ehrhardt, J.J., Cassuto, A. Study by electron spectroscopies, secondary ion emission and chemical reactivity of the modes of the adsorption of nitric oxide and of water vapour on rhenium 9—69344

Alofs, D.J. Performance of a dual-range cloud nucleus counter 9—53543

Aloman, A., Mitroi, M.R. Influence of dislocations on electrical properties of silicon single crystals 9—73504

Alonas, P.G. *see* O'Neil, V.P. 9—99608

Alons, P.W.F., Blok, H.P., van Hienen, J.F.A. Coupled-channels analysis of proton inelastic scattering from ^{26}Mg at 24 MeV 9—54376

Alonso, E.V. *see* Baragiola, R.A. 9—61482

Alonso, J., Dietrich, D., Gould, H. Charge changing cross sections for heavy ions at energies to 8.5 MeV/amu [beam stripping applications] 9—68073

Alonso, J.A., Girifalco, L.A. Electronegativity scale for metals 9—73129

Alonso, J.A., Gonzalez, D.J., Iniguez, M.P. On the electronegativity parameters of the theory of heats of alloy formation 9—74412

Alonso, J.A., Iniguez, P. Cohesion of alkali halides in the density functional formalism 9—90592

Alonso, J.A. *see* Visnov, R. 9—90991

Alonso, J.R., Chatterjee, A., Tobias, C.A. High purity radioactive beams at the BEVALAC 9—72129

Alonso, J.R., Howard, J., Criswell, T. The Bevalac radiotherapy facility 9—79630

Alonso, J.R., Leemann, B.T. Fluorocarbon stripping of low beta heavy ions 9—72168

Alonso, J.R., Tobias, C.A., Chu, W.T. Computed tomographic reconstruction of beam profiles with a multi-wire chamber 9—79631

Alonso, L.M. *see* Abellanas, L. 9—49015

Alonso, M., de Santiago, M. Solar energy in Latin America: an overview 9—57363

Alonso, P.Gutierrez *see* Gutierrez Alonso, P.

Alonzo, G., Bertazzi, N. Continuous frequency monitoring of a super-regenerative NQR spectrometer 9—63190

Alpay, S.A. *see* Nigro, F.E.B. 9—98807

Alpen, U.von *see* von Alpen, U.

Alpen, U.V. *see* Haag, J. 9—91991

Alper, J.S. *see* Gelb, A. 9—64078

Alperin, H.A., Gillmor, W.R., Pickart, S.J., Rhyne, J.J. Magnetization and neutron scattering measurements on amorphous $NoFe_2$ 9—78314

Al'perovich, L.I., Komarova, A.I., Narziev, B.N., Pushkarev, V.N. Optical constants of petroleum samples in the 0.25-25 μ range 9—65818

Al'perovich, M.A. *see* Rubinov, A.N. 9—87853

Al'perovich, V.L., Terekhov, A.S. Absorption of light assisted by equilibrium optical phonons in gallium arsenide 9—69857

Alpert, B., El Mohsni, S., Lindqvist, L., Tfibel, F. Transient effects in the nanosecond laser photolysis of carboxyhemoglobin: 'cage' recombination and spectral evolution of the protein 9—79453

Alpert, P. *see* Cohen, A. 9—94146

Alphard, K. *see* Aahlin, P. 9—93468

Alphen, L.van *see* van Alphen, L.

Al'pin, L.M., Bondarenko, M.T. The asymptotes of extreme curves of borehole soundings 9—88499

Alport, M.J., D'Angelo, N. Feedback mechanism in self-oscillations excited by the ion-ion instability 9—50864

Alps, W., Kuhn, W. Use of the indicator activation method in studies of the propagation of pollutants in the atmosphere 9—88039

Als-Neilsen, J. *see* Lebech, B. 9—73687

Als-Nielsen, J. *see* Litster, J.D. 9—95129

Alsbach, W.G.W. Development status of the ZKS-BAPTA 9—96462

Alsberg, H. Real-time data management of space information systems: a challenge to an economic issue 9—92600

Alsem, W.H.M., Sleeswyk, A.W. Nuclear spin relaxation used to investigate movement of dislocations 9—78556

Alsenoy, C.Van *see* Van Alsenoy, C.

Alshaboury, S.M. First-order perturbations in the problem of the translational-rotational motion of two mutually gravitating rigid bodies 9—96896

Alshaboury, S.M. *see* Barkin, Yu.V. 9—96899

Al'shin, B.I. *see* Baturov, L.N. 9—65704, 9—95625

Al'shits, V.I., Lothe, J. Surface waves in hexagonal crystals 9—60614

Alshits, V.I., Mitlianskij, M.D., Kotowski, R.K. The phonon wind as a nonlinear mechanism of dislocation dragging 9—69215

Alshukri, H.J. *see* Alsinawi, S.A. 9—88268

Alsinawi, S.A., Alshukri, H.J. Microearthquake study of Badra area east central Iraq 9—88268

Alsmiller, F.S., Alsmiller, R.G., Jr., Bertini, H.W., Begovich, C.L. Monte Carlo simulation of turbulent atmospheric transport and comparisons with experimental data 9—53479

Alsmiller, F.S. *see* Alsmiller, R.G., Jr. 9—54624, 9—68075

Alsmiller, G., Jr. *see* Lillie, R.A. 9—59257

Alsmiller, R.G., Jr., Alsmiller, F.S., Barish, J. Calculations pertaining to the design of a prebuncher for a 150-MeV electron linear accelerator. II. Radial motion 9—68075

Alsmiller, R.G., Jr., Alsmiller, F.S., Barish, J., Lewis, T.A. Calculations pertaining to the design of a prebuncher for an electron linear accelerator 9—54624

Alsmiller, R.G., Jr., Barish, J., Bartine, D.E., Burns, T.J., Gabriel, T.A. Medium-energy nucleon-meson transport calculations and electronuclear fuel production 9—81061

Alsmiller, R.G., Jr. *see* Alsmiller, F.S. 9—53479

Alsmiller, R.G., Jr. *see* Santoro, R.T. 9—59253, 9—59261

Alsop, L.E., Goodman, A.S., Gustavson, F.G., Miranker, W.L. A numerical solution of a model for a superconductor field problem 9—65605

Alspach, D.L. *see* Lobbia, R.N. 9—72773

Alspector, J. *see* McCal, D. 9—89154

Alspector, J. *see* Reece, C. 9—89196

Alster, J., Warszawski, J. Pion-nucleus charge exchange reactions 9—59093

Alster, J. *see* Gyles, W. 9—85534

Alster, J. *see* Johnson, R.R. 9—97653

Alstrup, I. *see* Gerward, L. 9—99980

Alstrup, O. Investigation of radiation damage in ion implanted silicon crystals by pendellosung topography 9—51125

Alt, E.O. Three-body reactions with charged particles 9—75968

Alt, E.O., Sandhas, W. Time dependent approach to the collision of two charged composite particles 9—75935

Alt, E.O., Sandhas, W. Scattering amplitudes for two charged fragments 9—75936

Alt, H. Brown coal up to the year 2040 9—57352

Alt, J.N. *see* Page, W.D. 9—79754, 9—88295

Alt, J.N. *see* West, D.O. 9—79795

Altaber, J., Beck, F., Crowley-Milling, M.C., Rausch, R. Suggested principles for the control of future accelerators 9—72211

Altarelli, M. *see* Holonyak, N., Jr. 9—64244

Altarelli, N. *see* Lipari, N.O. 9—82526

Altarev, I.S., Borisov, Ju.V., Ezhov, V.F., Ivanov, S.N., Lobashov, V.M., Nazarenko, V.A., Porsev, G.D., Rjabov, V.L., Serebrov, A.P., Taldaev, R.R., Jegorov, A.I. Search for the electric dipole moment (EDM) of the neutron by means of ultra-cold neutrons 9—67551

Altarev, I.S., Borisov, Yu.V., Brandin, A.B., Egorov, A.I., Ezhov, B.F., Ivanov, C.N., Lobashev, V.M., Nazarenko, V.A., Porsev, G.D., Ryabov, V.D., Serebrov, A.P., Tal'daev, R.R. In search of the electric dipole moment of the neutron 9—75775

Altemose, V.O., Kacyon, A.R. Vacuum compatibility of machinable glass ceramics 9—93152

Altenbach, J., Fischer, U. Principles of mechanics as the basis for efficient numerical methods for calculating stress and deformation states in deformable solids 9—50602

Altenberger-Siczek, A. *see* Light, J.C. 9—66313

Altenhein, F.K. *see* Forster, S. 9—71970

Alterkop, B.A. Nonlinear effects in the excitation of a magnetic field in a highly ionized plasma 9—55502

Al'terkop, B.A., Rosinskii, S.E., Tarakanov, V.P. Non-linear interaction of an electron beam impinging on a plasma surface 9—55519

Alterovitz, S.A., Woollam, J.A. Comparison of projected critical currents in $PbMo_6S_8$ and Nb_3Ge 9—69642

Alterovitz, S.A. *see* Woollam, J.A. 9—60686, 9—60850

Althen, M.Van *see* Van Althen, M.

Altier, J., Camassel, J., Mathieu, H. Effects of uniaxial stress on luminescence of GaP(S) 9—78739

Altiero, N.J., Gavazza, S.D. An effective boundary-integral approach for the mixed boundary-value problems of linear elastostatics 9—64508

Altiero, N.J. *see* Ali Mir-Mohamad-Sadegh 9—90137

Altiero, N.J. *see* Mir-Mohamad-Sadegh, A. 9—77014

Altman, A.F. *see* Chao, A.W. 9—72208

Altman, C. Generalization of a scattering theorem for plane-stratified gyrotropic media 9—72461

Altman, C., Suchy, K. Eigenmode scattering relations for plane-stratified gyrotropic media 9—72459

Altman, L.J., Laungani, D., Gunnarsson, G., Wennerstrom, H., Forsen, S. Proton, deuterium, and tritium nuclear magnetic resonance of intramolecular hydrogen bonds. Isotope effects and the shape of the potential energy function 9—76447

Al'tman, Ts.M. *see* Ismanzhanov, A. 9—94319

Al'tman, V.A. *see* Kononenko, A.S. 9—52397

Altmann, S. *see* Zeidler, H. 9—79585

Altmann, S.L. Double groups and projective representations. I. General theory 9—88833

Altmann, S.L., Palacio, F. Double groups and projective representations. II. Clebsch-Gordan coefficients 9—92977

Altmann, W. *see* Elstner, C.L. 9—92469

Altmayer, L.H. *see* Rooney, T.A. 9—83529

Alton, G.D. Recent negative ion source developments 9—49884

Alton, G.D. A universal negative or positive ion source 9—68077

Alton, G.D. *see* Button, T.M. 9—49975

Alton, G.D. *see* Knudsen, H. 9—54957

Al'tov, V.A. *see* Sychev, V.V. 9—73650

Altschuler, S.J. Heat transfer in conduction-limited geothermal wells 9—87964

Altshul, V.Ya., Bashenov, V.K., Petukhov, A.G. Relation between elastic constants from Keating's valence-force field 9—51188

Altshuler, A.M., Vekilov, Yu.Kh., Umarov, G.R. The stability of the inert gas $A^{(2)}B^{(8)}$ compounds 9—99110

Altshuler, B.L., Aronov, A.G. Zero bias anomaly in tunnel resistance and electron-electron interaction 9—65539

Al'tshuler, N.S., Eremin, M.V. Exchange and spin-orbit interactions of Mn^{2+} ions in $KZnF_3$ and $KMgF_3$ crystals 9—95817

Al'tshulev, S.A., Duglav, A.V., Khasanov, A.Kh., Bol'shakov, I.G. Nuclear acoustic resonance of Pr^{141} in the van-Vleck-paramagnetic PrF_3 9—78539

Altstetter, C.J. *see* Eliezer, D. 9—100291

Altstetter, C.J. *see* Laue, R.J. 9—77816

Altstetter, C.J. *see* Steckel, G.L. 9—77748

Altstetter, C.J. *see* Tortorelli, P.F. 9—87545

Altug, S.S. *see* Brown, G.S. 9—74780

Altukher, G.M., Toporov, V.G. Large deformations of elastic rings under essentially nonaxisymmetric load 9—98637

Altukhov, A.M. *see* Krymskii, G.F. 9—80122

Altukhov, V.I. Quasi-electric scattering of phonons and thermal conductivity of crystals presenting a structural phase transition 9—82299

Altus, E. *see* Rotem, A. 9—57187

Altwegg, L. The importance of spin relaxation in the delayed fluorescence of molecular crystals 9—61416

Altwegg, L. *see* Funfschilling, J. 9—69879

Altyntsev, A.T., Krasov, V.I., Tomozov, V.M. Solar flares and laboratory simulation 9—101135

Alvar, K.R. *see* Grimes, S.M. 9—67750

Alvar, K.R. *see* Haight, R.C. 9—93831

Alvarado, D.A. *see* Ferrer, J.C. 9—98800

Alvarado, S.F. Magnetism of surfaces by spin polarized photoemission 9—52083

Alvarado, S.F. *see* Schlegel, A. 9—51977

Alvarez, E. The relativistic scalar entropy 9—62939

Alvarez, E., Arnesen, A., Bengston, A., Hallin, R., Mayige, C., Nordling, C., Noreland, T., Staaf, O. Hyperfine structure of the $5p^5$ $^2P_{3/2}5d[7/2]^0_4$, $^2P_{3/2}5d[3/2]^0_2$, and $^2P_{3/2}6p[5/2]_3$ levels in Cs II measured with beam-laser technique 9—93951

Alvarez, E., Arnesen, A., Bengtson, A., Hallin, R., Mayige, C., Nordling, C., Noreland, T., Staaf, O. Isotope shift and hyperfine structure measurements in Xe II in a laser-ion beam experiment 9—93945

Alvarez, E., Hakim, R. Phenomenological equation of state for quark matter 9—63424

Alvarez, H. V3955 Sgr a new field RV Tauri/SRd Variable 9—88665

Alvarez, I. *see* Cisneros, C. 9—59563

Alvarez, I.S. *see* Herrera, R. 9—62082

Alvarez, J.G.M. *see* Nunes, F.D. 9—86179

Alvarez, J.M., Bernabeu, E. Analysis of spectral profiles by means of a Voigt profile analytical approximation 9—76384

Alvarez, L., Bune, V.I. Seismic risk estimation of southeast Cuba 9—74852

Alvarez, O. *see* Dubinsky, B.A. 9—96909

Alvarez, R., de Paiva, J.A.C. Dielectric relaxations of coal and conductive impurities 9—82921

Alvarez, R., Seppi, E. A comparison of noise and dose in conventional and energy selective computer tomography 9—66540

Alvarez, R.A., Berman, B.L., Faul, D.D., Lewis, F.H., Jr., Meyer, P. Photoneutron cross sections for ^{55}Mn and ^{59}Co 9—89289

Alvarez, R.A. *see* Berman, B.L. 9—54422

Alvarez, R.A. *see* Woodworth, J.G. 9—63656

Alvarez Rivas, J.L. *see* Hodgson, E.R. 9—55737
Alvarez Rivas, J.L. *see* Jimenez de Castro, M. 9—95859
Alvarez-Claro, M., Hita Villaverde, E. Colour space and mathematical structure. II 9—80666
Alvarez-Collado, J.R. *see* Moscardo, F. 9—59350
Alvarez-Estrada, R.F. On the field-theoretic approach to low-energy π-N interaction 9—67602
Alvarez-Estrada, R.F. Field-theoretic aspects of πN interactions 9—85335
Alvarez-Estrada, R.F. Inverse scattering solution of non-linear evolution equations in one space dimension: an introduction 9—97222
Alvarez-Estrada, R.F., Ramos, J.J. Renormalization properties of a nonrelativistic persistent model 9—54250
Alvarez-Herrero, C. *see* Caroli, S. 9—72263, 9—72264
Alvear, C. *see* Alberi, G. 9—63509
Alves, L. *see* Hase, Y. 9—69817
Alvesalo, T.A., Archie, C.N., Albrecht, A.J., Reppy, J.D., Richardson, R.C. Viscosity measurements in superfluid ^{3}He-B to 1 mK 9—51360
Alvesalo, T.A. *see* Ahnonen, A.I. 9—51362
Alvesalo, T.A. *see* Archie, C.N. 9—51358, 9—82408
Alvi, S.H., Sridharan, K., Lakshmana Rao, N.S. Comparative study of quadrant-edge orifices and nozzles 9—68869
Alvo, M. *see* Inhaber, H. 9—58521
Alward, J.F., Fong, C.Y., Wooten, F. Band structures and optical properties of $CdSnP_2$ and $CdSnAs_2$ 9—95325
Alwis, S.P.De *see* De Alwis, S.P.
Aly, A.A., Podus, G.N., Sirenko, A.F. Thermoactivated creep and stress relaxation in Cu and Al 9—87692
Aly, S.L., Simpson, R.B., Hermance, C.E. Numerical solution of the two-dimensional premixed laminar flame equations 9—94738
Alyamovskii, S.I. *see* Pavlov, I.E. 9—55906
Alyea, H.N. TOPS projector devices 9—58500
Alzamir, J., Collver, M.M. Impurity effects in amorphous germanium and silicon 9—65485
Alzetta, G., Moi, L., Orriols, G. Nonabsorption hyperfine resonances in a sodium vapour irradiated by a multimode dye-laser 9—93941
Alzona, J., Cohen, B.L., Rudolph, H., Jow, H.N., Frohliger, J.P. Indoor-outdoor relationships for airborne particulate matter of outdoor origin 9—83654
Amado, M.M. *see* Sousa, J.B. 9—51787, 9—61108, 9—78075
Amado, R.D. Problems in determining nuclear bound state wave functions 9—54398
Amaev, A.D. *see* Kazennov, Yu.I. 9—83327
Amaglobeli, N.S. *see* Abesalashvili, L.N. 9—80856
Amakawa, H., Kubo, K. Analyzing power of two-step (p,t) reaction leading to the unnatural-parity state 9—67739
Amaldi, E., Beneventano, M., Borgia, B., Capone, A., De Notaristefani, F., Dore, U., Ferroni, F., Longo, E., Luminari, L., Pistilli, P., Sestili, I., Dell, G.F., Yuan, L.C.L., Kantardjian, G. Comparison of direct photon production in pp collisions at $\sqrt{s}$=30.6 GeV and 53.2 GeV 9—71771
Amaldi, E., Cosmelli, C., Frasca, S., Modena, I., Pallottino, G.V., Pizzella, G., Ricci, F., Bonifazi, P., Bordoni, F., Ferrari, V., Giovanardi, U., Iafolla, V., Pavan, B., Ugazio, S., Vannaroni, G. Initial operation of the M=390 kg cryogenic gravitational-wave antenna 9—67217
Amaldi, E., Fubini, S., Furlan, G. Pion-electroproduction: electroproduction at low energy and hadron form factors 9—85306
Amaldi, U. How protons are seen by high energy hadrons 9—67614
Amaldi, U. *see* Jonker, M. 9—93399
Amann, J.F. Application of an array processor to data analysis in medium energy physics 9—89560
Amann, J.F., Boudrie, R.L., Thiessen, H.A., Morris, C.L., Smith, L.E. Data acquisition and analysis on the high resolution magnetic spectrometers at LAMPF 9—89530
Amann, J.F. *see* Boudrie, R.L. 9—89563
Amann, J.F. *see* Doss, K.G.R. 9—85542
Amann, M.-C. New stripe-geometry laser with simplified fabrication process 9—76697
Amano, H. Present status of research activities on transmutation of actinides in Japan 9—85807
Amano, K., Tsuda, T. Particle trajectories at a magnetic neutral point 9—66886
Amano, K. *see* Hayakawa, Y. 9—92352
Amano, K. *see* Zenitani, Y. 9—52991
Amano, M., Sasaki, Y., Matsumoto, T. Properties of FeTi for hydrogen storage 9—100542
Amano, M. *see* Yamaoka, N. 9—92353
Amano, S. *see* Yosinobu, H. 9—90252
Amano, T. High-resolution spectroscopy of free radicals 9—79355
Amano, T., Yajima, S., Saito, Y. High-temperature oxidation behavior of Fe-20Cr-4Al alloys with small additions of cerium 9—100301
Amano, Y. *see* Miki, M. 9—70089, 9—70090
Amanov, K.A., Babaev, M.K., Eremenko, Yu.A., Lukin, Yu.T., Mart'yanov, I.S. Energy characteristics of the γ quanta due to cosmic-ray hadrons of energy in the region of several tens of TeV 9—80148
Amara, M.B., Olazcuaga, R., Le Flem, G., Vlasse, M. The crystal structure of cadmium sodium orthophosphate $Cd_4Na(PO_4)_3$ 9—73143
Amaral, L. *see* Livi, F.P. 9—82901
Amaral, N.M. Radiographic diagnosis of shallow gastric ulcers: a comparative study of technique 9—92358
Amarantova, I.I., Bukovshin, V.G., Shustov, V.I. Experimental investigation of flow over sharp cones with near-critical and supercritical vertex angle 9—81918
Amare, J.C. *see* Bernabeu, E. 9—59420
Amass, A.J. Comments on the kinetics of uncatalysed polyesterification reactions 9—96309
Amateau, M.F., Flowers, R.H., Eliezer, Z. Tribological behavior of metal matrix composites 9—96158
Amateau, M.F. *see* Eliezer, Z. 9—87744
Amati, D., Veneziano, G. Preconfinement as a property of perturbative QCD 9—54310
Amato, N.M. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Amatuni, A.N., Shevchenko, E.B., Malyutina, T.I. Experimental investigation of the thermal expansion of monocrystalline aluminum oxide 9—82361
Amayenc, P. *see* Blanc, M. 9—101011
Ambari, A. Flow of polyethylene oxide dilute aqueous solutions in very stretched rectangular slot with sharp edge 9—98766
Ambartsumyan, S.A. The vibrations of an electrically conducting plate in a transverse magnetic field 9—81756
Ambartsumyan, V.G. *see* Akopova, A.B. 9—97462
Ambartzumian, R.V., Knyazev, I.N., Lobko, V.V., Makarov, G.N., Puretzky, A.A. Multiple infrared photon absorption in OsO_4 9—54926
Ambe, Y. *see* Fujii, T. 9—79424
Ambegaokar, V., Teitel, S. Dynamics of vortex pairs in superfluid films 9—69313
Ambegaokar, V. *see* Schon, G. 9—69626
Amberg, H.U. *see* Larue, J.-C. 9—96458
Amberger, H.-D. Electronic structure of symmetrical compounds of the F-elements. XI. Electronic Raman spectrum and crystal field pattern of a basic compound $^3H_4$ of $Cs_2KPr^{III}F_6$ 9—51940
Ambjorn, J. On the decoupling of massive particles in field theory 9—71585
Ambjorn, J., Nielsen, N.K., Olesen, P. A hidden Higgs Lagrangian in QCD 9—58924
Amblard, J., Epelboin, I., Froment, M., Maurin, G. Inhibition and nickel electrocrystallization 9—74105
Amblard, J., Froment, M., Maurin, G., Sakellaridis, P., Spyrellis, N. Fiber textures in nickel electrodeposits before and after thermal treatment 9—91693
Ambos, H.D., Moore, P., Roberts, R. A database for analysis of patient diagnostic data 9—70693
Ambos, H.D., Sampathkumaran, K.S., Jones, S.A., Hitchens, R.E. A gated radionuclide cardiac imaging system 9—70639
Ambraseys, N.N., Moinfar, A.A. The seismicity of Iran. The Kaj Darakht, Khurasan, earthquake of 25th May 1923 9—84113
Ambraseys, N.N., Moinfar, A.A. The seismicity of Iran. The Torud earthquake of 12th February 1953 9—84117
Ambrazyavichyus, G., Babonas, G., Karpus, V. Optical activity on $CdSiP_2$ 9—69804
Ambrazyavichyus, G.A., Babonas, G.A., Shileika, A.Yu. Birefringence of pseudodirect bandgap $A^2B^4C_2^5$ semiconductors 9—65834
Ambridge, T., Allen, C.J. Automatic electrochemical profiling of Hall mobility in semiconductors 9—99615
Ambridge, T., Ashen, D.J. Automatic electrochemical profiling of carrier concentration in indium phosphide 9—99614
Ambrok, A.G. *see* Stolyarova, V.L. 9—65180
Ambron, R.T. *see* Sherbany, A.A. 9—83755
Ambrose, D. Correlation and estimation of vapour-liquid critical properties. II. Critical pressures and critical volumes of organic compounds 9—99306
Ambrose, R.J. *see* Trivedi, P.D. 9—95993
Ambrose, W.R. *see* Bird, J.D. 9—74442
Ambrosek, R.G. *see* Wadkins, R.P. 9—59144
Ambrosek, R.G. *see* Young, M.W. 9—89432
Ambrosiano, J., Vahala, G. Effects of perturbation theory on the spectrum of ideal magnetohydrodynamic and guiding centre plasmas 9—72999
Ambrosino, G., Fronza, G., Guariso, G., Karlin, A. Multi-goal analysis of a short-run reservoir operation 9—96768
Ambrozhyavichyus, R.A., Gaigalis, K.S. Hydrographical characteristics of Nevezis and Jura river basins 9—84311
Ambrozy, A. A model for excess noise of semiconducting $BaSrTiO_3$ 9—99591
Ambuel, J. *see* Collins, S.A., Jr. 9—76871
Amein, W.H., Dolgopolov, V.V., El-Siragy, N.M., Hussein, A.M., Sayed, Y.A. Nonlinear interaction of Langmuir waves at the input of a beam into an inhomogeneous unmagnetized plasma 9—50866
Amelin, E.A., Belan, Yu.K., Boichuk, V.M., Vasilevskii, V.M., Moiseenko, E.A. Nonmagnetic helium cryostat of fiberglass 9—67309
Amelin, E.A., Boichuk, V.M., Bondar, A.F., Vakhmenin, A.P., Sosnenko, L.P. System of automatic replenishment of the liquid helium supply in a cryostat 9—67308
Amelina, E.A. *see* Vaganov, V.P. 9—65332
Amelinckx, S. Survey of modulated structure phenomena 9—95033
Amelinckx, S., Van Landuyt, J. The study of planar interfaces by means of electron microscopy 9—68982
Amelinckx, S. *see* Colaitis, D. 9—51056, 9—86761
Amelinckx, S. *see* Manolikas, C. 9—82332
Amelinckx, S. *see* Van Dyck, D. 9—82187
Amelinckx, S. *see* Van Tendeloo, G. 9—86818
Amelinckx, S. *see* Watari, F. 9—86802
Amelinckx, S., Gevers, R., Van Landuyt, J. *(editor)* Diffraction and imaging techniques in material science, vol.1. Electron microscopy, 2nd revised edition 9—67439
Amelinckx, S., Gevers, R., Van Landuyt, J. *(editor)* Diffraction and imaging techniques in material science, vol.II. Imaging and diffraction techniques, 2nd revised edition 9—67441
Ameling, W. *see* Meyer, J. 9—70628
Amel'yanovich, K.K., Kozub, Yu.I. Efficiency of bonded joints of composite shells of glass during cyclic loading by external hydrostatic pressure 9—57079
Amel'yanovich, K.K. *see* Romanchenko, V.I. 9—57118
Amemiya, H. Competition between naturally excited and externally applied waves in the beam-plasma interaction 9—90419
Amemiya, H., Shimizu, K. Frequency dependence of the alternating current method for measuring the electron energy distribution function in plasmas 9—64907
Amemiya, M. *see* Kishimoto, M. 9—56571
Amemiya, Y. *see* Sakai, S. 9—63307, 9—68405
Amemiya, Y. *see* Sugi, H. 9—83836
Amemiya, Y. *see* Yamshita, M. 9—90846
Amen-zade, R.Yu. *see* Ali-zade, A.N. 9—49050
Amende, I. *see* Hood, W.P., Jr. 9—70575
Amendola, A., Corticelli, P., Iannuzzo, P., Pezzilli, M., Bovalini, G.M., Presciuttini, L. Some aspects of core and fuel design in the Italian fast reactor programme 9—97795
Amenzade, R.Yu. Small oscillations of an ideal fluid taking account of mass forces in an elastic shell 9—77253
Amer, N.M. *see* Birecki, H. 9—99894
Amer, N.M. *see* Wake, D.R. 9—59862
Amer, N.M. *see* Yasa, Z. 9—96493
Amerio, L. A unilateral problem for a non linear vibrating string equation 9—63031
Amerman, J.D. *see* Parnell, M.M. 9—94415
Ames, E.E., Graneau, P., Silevitch, M.B. Alternating and direct current ion pumping up to 30 kV 9—88969
Ames, W.F., Adams, E. Nonlinear boundary and eigenvalue problems for the Emden-Fowler equations by group methods 9—71224
Ametani, K., Fujita, H. Size determination of latex particles by optical methods 9—79313
Ametani, K. *see* Fujita, H. 9—61337
Ameziane, E.L. *see* Mathieu, H. 9—69854
Amherd, N.A. Fusion energy; commercialization issues 9—76146
Ami, S., Maki, K. Thermodynamics of type II superconductors near $H_{c2}(T)$ and scaling law 9—60968
Amian, W., Helmbold, M., Stover, D., Wolke, K., Hecker, R. Sr-90-release measurements and calculations from HTR-fuel elements 9—67871
Amiel, S. *see* Engler, G. 9—67718
Amijima, S., Adachi, T. Nonlinear stress-strain response of laminated composites 9—91738
Amijima, S. *see* Tanimoto, T. 9—61704
Amimoto, S.T., Wiesenfeld, J.R., Young, R.H. Efficient production of $I(5^2P_{1/2})$ in the photodissociation of ICN 9—94047
Amin, A. *see* El-Hiti, A.S. 9—69097
Amin, A.Y. Magnetic properties of inter-rare-earth alloys at low temperatures in high magnetic fields 9—56570
Amin, F.A.A., Luxmoore, A. A transmission replica system for strain measurement 9—74323
Amin, N.M. *see* Youssef, A.M. 9—65302
Amini, M., Hockney, R.W. Computer simulation of melting and glass formation in a potassium chloride micro-crystal 9—65173
Aminoff, C.G. *see* Pinard, M. 9—81304, 9—89918
Aminov, L.K. *see* Kaminskii, A.A. 9—50303
Aminov, T.G. *see* Bashkirov, Sh.Sh. 9—91232
Aminov, T.G. *see* Doroshenko, R.A. 9—95604
Aminov, T.G. *see* Eliseev, A.A. 9—78940
Amiot, C., Chauville, J., Maillard, J.-P. New analysis of the C_2 Ballik-Ramsay system from flame emission spectra 9—63999
Amiot, P. *see* Fontaine, M. 9—71838

Amir-Arjomand, S., Golestaneh, A.A. Evaluation of the radiative decay of the vector mesons in the spectrum-generating SU_4 scheme 9—54342

Amiranoff, F., Fabbro, R., Fabre, E., Garban, C., Virmont, J., Weinfeld, M. Experimental transport studies in laser-produced plasmas at 1.06 and 0.53 μm 9—90432

Amirav, A., Even, U., Jortner, J. Intramolecular dynamics of an isolated ultracold large molecule 9—98144

Amirkhanov, I.V., Grusha, G.V., Mir-Kasimov, R.M. Variable phase method for quasi-potential equation in terms of rapidities 9—71663

Amirkhanov, I.V., Grusha, G.V., Mir-Kasimov, R.M. Study on the asymptotic behaviour of the quasipotential amplitude in the plane of a complex orbital momentum 9—75701

Amirkhanov, Kh.I., Adamov, A.P., Magomedov, U.B. Experimental study of thermal conductivity of heavy-water vapor at temperatures of 375-600°C and pressures to 250 mPa 9—82026

Amirkhanov, Kh.I., Adamov, A.P., Magomedov, U.B. Measurement of the thermal conductivity of water vapor at 375-600°C and pressures up to 250 mPa 9—90367

Amirkhanov, Kh.I., Magomedov, Ya.B., Ismailov, Sh.M., Kramynina, N.L. The thermal conductivity of semiconductors of the system $As_2(Se_{1-x}Te_x)_3$ depending on temperature and pressure 9—82396

Amirov, S.T. *see* Ragimov, N.G. 9—100067

Amiryan, A.M., Zolin, V.F., Soshchin, N.P., Tsaryuk, V.I. Thermochromic luminophors based on lanthanide oxysulfides and oxyhalogenides 9—56849

Amis, A.A., Dowson, D., Wright, D. Muscle strengths and musculo-skeletal geometry of the upper limb 9—74699

Amis, A.A., Dowson, D., Wright, V., Miller, J.H. The derivation of elbow joint forces, and their relation to prosthesis design 9—96591

Amis, A.A. *see* Ellis, M.I. 9—74698

Amitai, U. *see* Ginzburg, A. 9—79766

Amitai-Milchgrub, A., Shaham, J. Is there a second set of shifted lines in SS 433? 9—101152

Amitai-Milchgrub, A., Shaham, J., Piran, T. SS433—a massive black hole? 9—71057

Amitai-Milchgrub, A., Shaham, J., Piran, T. A precessing ring model for SS 433 9—88678

Amitai-Milchgrub, A. *see* Leibowitz, E.M. 9—67023

Amith, A. Thin-film CdS/Cu_2S heterojunctions: dark I-V characteristics and heat treatment 9—56294

Amlin, D.W., Korpela, S.A. Influence of thermal radiation on the temperature distribution in a semi-transparent solid 9—76948

Amlinger, H., Lerch, G. Quasi-null release of radioactive gases from nuclear power plants achieved by low temperature rectification 9—67877

Ammann, E.O. Simultaneous simulated Raman scattering and optical frequency mixing in lithium iodate 9—86210

Ammar, A.A. *see* Hafiz, M.M. 9—94917

Ammar, R. *see* De Clercq, C. 9—89188

Amme, R.C. *see* Hsiao, Y.Y.R. 9—91503

Amme, R.C. *see* Rothwell, H.L., Jr. 9—50125

Ammer, S.A. Influence of machining support surface on nucleation of whiskers 9—65352

Ammer, S.A. *see* Postnikov, V.S. 9—73252

Ammer, S.S., Karelin, B.V. Anisotropy in the radial growth rates of semiconductor whiskers 9—60666

Ammerich, H. *see* Van Damme, W. 9—66549

Ammerlaan, C.A.J. *see* van Ruyven, L.J. 9—73179

Ammerlaan, C.A.J. *see* Weigel, C. 9—99184

Ammlung, R.L., Scaringe, R.P., Ibers, J.A., Shriver, D.F., Whitmore, D.H. Trends in heavy-metal solid state ionic conductors: a comparison of Cu^+, Ag^+, In^+, and Ti^+ transport 9—99363

Ammosov, V., Amrakhov, A., Denisov, A., Ermolov, P., Gapienko, V., Klukhin, V., Koreshev, V., Pitukhin, P., Rjabov, Y., Slobokyuk, E., Sirotenko, V., Efremenko, V., Gorichev, A.P., Kaftanov, V., Khovansky, V., Kliger, G., Kolganov, V., Krutchinin, S., Kubantsev, M., Rosanov, A., Shevchenko, V., Berge, J.P., Bogert, D., Hamilton, D., Hanft, R., Malko, J., Harigel, G., Moffatt, G., Nezrick, F., Smart, W., Wolfson, J., Bell, J., Coffin, C.T., Louis, W., Roe, B.P., Ross, R.T., Seidl, A.A., Sinclair, D., Wang, E. A study of semi-inclusive gamma production in charged-current antineutrino-nucleon interactions 9—71737

Ammosov, V.V. *see* Berge, J.P. 9—71741

Ammosov, V.V. *see* Efremenko, V.I. 9—75763

Amnuel, P.R., Guseinov, O.H. X-ray transient sources 9—84867

Amols, H. *see* Paciotti, M. 9—79629

Amols, H.I. *see* Raju, M.R. 9—62301, 9—92305

Amon, G. *see* Dubnishchev, Yu.N. 9—77305

Amorim, E.S., Ryskamp, J.M., Malaviya, B.K. The dependence of LWR sensitivity coefficients on the macroscopic spatial flux variation 9—80988

Amos, D.E., Chen, P.J. Linear electromechanical responses of ferroelectric ceramics with inductive-resistive external load 9—51909

Amos, K., Morrison, I. Analyses of inelastic proton and electron scattering to the 2^+ (4.43 MeV) state in ^{12}C 9—67704

Amos, K. *see* Fox, M. 9—93594

Amos, K. *see* Morrison, I. 9—85514

Amos, K. *see* Smith, R. 9—93608

Amos, L.A., Baker, T.S. The three-dimensional structure of tubulin protofilaments 9—70520

Amos, R.D. The polarisability derivatives of the nitrogen molecule 9—59348

Amos, R.D. An accurate ab initio study of the multipole moments and polarizabilities of methane 9—85910

Amosov, A.A., Bakhvalov, N.S., Zhilenikin, Ya.M., Korobkin, V.V., Prokhorov, A.M., Serov, R.V. Self-focusing of wave beams with plateau-like intensity distributions 9—89976

Amoureux, J.P., Bee, M., Fouret, R., Lechner, R.E. Incoherent neutron scattering study of molecular reorientation and rotational isomerization in plastic succinonitrile 9—51021

Amov, B.G. A mathematical model for lead-isotope evolution at fractionation of U, Th and Pb during the Earth's crust development 9—57879

Amrakhov, A. *see* Ammosov, V. 9—71737

Amrein, W.O., Pearson, D.B. The S-matrix for abstract scattering systems 9—54274

Amrein, W.O., Pearson, D.B. Commutators of Hilbert-Schmidt type and the scattering cross section 9—75375

Amrein, W.O., Pearson, D.B. A time-dependent approach to the total scattering cross section 9—84992

Amrein, W.O., Pearson, D.B., Sinha, K.B. Bounds on the total scattering cross-section for N-body systems 9—80462

Amri, Z.El Abidine *see* El Abidine Amri, Z.

Amrithalingam, V.A. *see* Deniz, K.U. 9—77504

Amsel, G. *see* Rosencher, E. 9—52400

Amsler, C. *see* Bugg, D.V. 9—67594

Amsler, C. *see* Greeniaus, L.G. 9—75961

Amstutz, A. Alpine structures between Mont-Blanc, Petit-Saint-Bernard and Valgrisanche 9—79758

Amstutz, H.C. *see* Clarke, I.C. 9—83832

Amthauer, G., Fenner, J., Hafner, S., Holzapfel, W.B., Keller, R. Effect of pressure of resistivity and Mossbauer spectra of the mixed valence compound Sn_2S_3 9—73862

Amthauer, G. *see* Kohler, P. 9—78701

Amundson, N.R. *see* Ramkrishna, D. 9—68545, 9—72778

Amus, M.Ya., Afrosimov, V.V., Belik, V.P., Bobashev, S.V., Sheinerman, S.A., Shmaenok, L.A. Two-step photoionization of helium via the 4p $^1P_1$ state 9—59413

Amusia, M.Ya., Cherepkov, N.A. Generalized oscillator strengths for beryllium atom in the random-phase approximation with exchange 9—98030

Amusia, M.Ya., Kuchiev, M.Yu. Left-cut contribution to the dispersion relation for the elastic electron-atomic-hydrogen scattering amplitude 9—59574

Amus'ya, M.Ya., Dolmatov, V.K., Ivanov, V.K. Giant-resonance autoionization in the Mn atom 9—89649

Amus'ya, M.Ya., Kuchiev, M.Yu., Sheinerman, S.A. Near-threshold effects in ionization of atoms (post collision interaction) 9—50140

Amzallag, C. *see* Mudry, F. 9—52367

Amzallag, E. *see* Nakashima, S. 9—73978

An, C.H., Bateman, G. Stability of tokamaks with elongated cross section 9—90441

An, K.N., Cooney, W.P., III, Chao, E.Y., Linscheid, R.L. Functional strength measurement of normal fingers 9—92276

An, S.C., Fishman, L., Litovitz, T.A., Montrose, C.J., Posch, H.A. Depolarized light scattering from dense noble gases 9—69851

An Cao Xuan *see* Cao Xuan An

An Chia-luan *see* Shen Nai-cheng 9—59717

An Nguyen Ba *see* Nguyen Ba An

An Ying *see* Zhu Chong-yuan 9—75767

An Ying *see* Zou Zhenlong 9—80493

An-dung Zhang *see* Zhang An-dung

An-sheng Lin *see* Lin An-sheng

An-zhi He *see* He An-zhi

Anachkova, E. *see* Savatinova, I. 9—51959

Anadere, I. *see* Walitza, E. 9—77252

Anagnostopoulos, K. *see* Aubrey, J.E. 9—60824

Anagnostopoulos, T. *see* Gamari-Seale, H. 9—56512

Anagnostopoulou-Konsta, A., Yakinthos, J.K. Magnetic properties of rare earth-copper RCu_x compounds with $CeCu_6$-type and $AuBe_5$-type crystal structures 9—87233

Anand, D.K., Bazques, E.O., Allen, R.W. Stochastic simulation experiments on solar air conditioning systems 9—57415

Anand, H.R. Mossbauer study of iron precipitates in LiF and NaF 9—91327

Anand, J.D., Biswas, S.N., Hasan, M. Magnetisation of quark gas in intense magnetic field 9—85061

Anand, L. On H. Hencky's approximate strain-energy function for moderate deformations 9—63045

Anand, M.M.S., Maheshwari, L.K. Optimized arrays of solar cells when used with concentrators 9—62001

Anand, M.S., Pande, B.M., Agarwala, R.P. Stage III recovery in neutron irradiated tungsten 9—77642

Anand, M.S. *see* Pruthi, D.D. 9—60540

Anand, R., Blackley, D.C., Lee, K.S. N(cyclohexylthio) phthalimide as a retarder for sulphenamide-accelerated sulphur vulcanization 9—83169

Ananda Rao, S., Pappu, S.V. On the holographic simulation of non-circular zone plates 9—50252

Anan'ev, A.I., Manuilov, V.F., Takhonov, A.S. Calculating optimum parameters of process of hot compression moulding by piercing of pipes of fibrous composite material with longitudinal reinforcement 9—66027

Anan'eva, G.V. *see* Musatov, M.I. 9—72637

Anan'eva, I.N. *see* Parfenov, A.I. 9—66187

Anan'in, A.V., Dremin, A.N., Kanel', G.I., Pershin, S.V. Investigation of the structure of shock waves in boron nitride and graphite in the region of polymorphous transformation 9—86838

Ananthakrishna, G. Stochastic theory for clustering of quenched-in vacancies. I. General mathematical properties 9—65073

Ananthakrishna, G. A stochastic theory for clustering of quenched-in vacancies. II. A solvable model 9—65074

Ananthakrishna, G. A stochastic theory for clustering of quenched-in vacancies. III. A continuum model 9—77593

Ananthakrishna, G. A stochastic theory for clustering of quenched-in vacancies. IV. Continuum model applied to the formation of stacking fault tetrahedra and vacancy loops 9—77594

Ananthapadmanabha, T.V., Yegnanarayana, B. Epoch extraction from linear prediction residual for identification of closed glottis interval 9—86301

Ananthapadmanabha, T.V. *see* Sreenivas, T.V. 9—59887

Anantharaman, P.N., Udupa, H.V.K. Electrolytic reduction of aromatic nitro compounds using titanic sulphate addition 9—57248

Anantharaman, T.R. *see* Tiwari, S.K. 9—61622

Ananyan, O.S. *see* Nakhutin, I.E. 9—76092

Anashkin, O.P., Keilin, V.E., Lyikov, V.V. Stability of compound superconductors under localized heat pulses 9—73611

Anastasi, C., Smith, I.W.M., Zellner, R. Kinetics of the reaction: $OH+NO_2(+M)\rightarrow HNO_3(+M)$ over a wide range of temperature and pressure 9—66284

Anastasiadi, G.P. Growth of new phase particles limited by the diffusion of one component 9—52219

Anastasio, M.R., Faessler, A., Muther, H., Holinde, K., Machleidt, R. The $\Delta(1236)$ probability in the ground state of the nuclear many-body system 9—75859

Anastasio, M.R. *see* Bleuler, K. 9—67576

Anastasov, A., Grozev, G., Elenkov, D. Anthracene to anthraquinone oxidation in a fixed bed catalytic reactor with a KS-14 catalyst 9—66268

Anastasova, N.V. *see* Burov, J.I. 9—94435

Anastassakis, E. *see* Grimsditch, M.H. 9—73899

Anastassakis, E. *see* Iliev, M. 9—95781

Anastassiades, A.J., Karatzas, N.T., Bechrakis, P.K. A study of low-frequency vibrations of human arteries 9—92462

Anastaze, G., Savoy, C.A. Equal-sign dileptons and heavy-quark detection 9—67528

Anatychuk, L.I., Lakh, V.I., Luste, O.Ya., Mytsyk, L.V. Use of anisotropic electrical conductivity in semiconducting crystals for thermometry 9—63211

Anayama, T. *see* Ohshima, S. 9—51777

Anazawa, H. *see* Yahata, N. 9—61708

Anbananthan, D. Ultrasonic study of organic liquid mixtures 9—73254

Anbananthan, D. Ultrasonic study of dioxan-methanol system 9—82283

Anbar, D. A diffusion model for use with directional samplers 9—62549

Ance, C. Variation of optical transitions in $Ga_{1-x}Al_xAs$ and $Ga_{1-x}Al_xSb$ 9—60708

Ance, C. Dispersive energy in semiconductors 9—99478

Ancian, B., Tiffon, B., Dubois, J.-E. Molecular reorientation of CCl_4 and CS_2 in alkanes: A ^{13}C and ^{33}S NMR relaxation study 9—95661

Anda, E., Ure, J.E. A model for hydrogen chemisorption including image charge effects 9—73405

Anda, R. *see* Aguirre, C. 9—62699

Andanson, P., Cheminat, B. The contamination of argon plasma arc by copper vapour from anode 9—77443

Andeen, C., Matthews, G.E., Jr., Smith, M.K., Fontanella, J. Electric dipole relaxation of mixed clusters in double-doped CaF_2 9—82924

Andeen, C. *see* Fontanella, J. 9—65786

Andeen, C.G. *see* Hagerling, C.W. 9—87700

Andel, H.W.H.Van *see* Van Andel, H.W.H.

Andelfinger, C., Dommaschk, W., Fink, J., Herrmann, W., Hofmann, I., Jacobi, D., Merkel, P., Schilling, H.-B., Schumacher, U., Ulrich, M. Status report of the experimental and theoretical investigations in the Garching electron ring accelerator 9—76162

Andelman, M. *see* Vetterling, W.T. 9—62959

Anderl, R.A., Harker, Y.D., Tromp, R.L., Delmore, J.E. EBR-II irradiation of enriched isotopes of neodymium, samarium, and europium 9—67843

Anderle, R.J. Accuracy of geodetic solutions based on Doppler measurements of the NAVSTAR Global Positioning System satellites 9—100803

Anders, A. Models of DNA-dye-complexes: energy transfer and molecular structures as evaluated by laser excitation 9—57578

Anders, A.G., Petutin, A.I., Pereverzev, Yu.V., Zvyagin, A.I. Temperature dependence of the AFMR in quasi-one-dimension double-axis antiferromagnetic $CsMnCl_3.2H_2O$ 9—87321

Anders, A.G., Zvyagin, A.I., Pereverzev, Yu.V., Petutin, A.I., Stepanov, A.A. AFMR and subthreshold two-magnon absorption in quasi-one-dimensional antiferromagnet $CsMnCl_3.2H_2O$ 9—61234

Anders, B., Berghaus, U., Bruckmann, H., Korber, G., Lara, P., Pegel, C., Salehi, H., Sinram, K., Wick, K. The deuteron break-up induced by α-particles 9—75967

Anders, E. *see* Takahashi, H. 9—66966

Anders, E.E., Sukharevskii, B.Ya., Shestachenko, L.S. On the heat capacity of layered structures 9—90794

Anders, G., Ganz, E. Metameric white samples for testing the relative UV content of light sources and of natural daylight 9—58767

Anders, O.U. Well logging with a short-lived radioactive source 9—53563

Anders, O.U. *see* Harmer, D.E. 9—54538

Anders Aas, J. On the accuracy of the uniform geometrical theory of diffraction close to a 90° wedge 9—89835

Andersen, B.N., Engvold, O., Pettersen, B.R. An umbral spectrum $\lambda\lambda$ 6812-6898 Å 9—101136

Andersen, B.N. *see* Engvold, O. 9—84774

Andersen, D.P. *see* Hedin, R.C. 9—90096

Andersen, F.A. *see* Pay, T.L. 9—88114

Andersen, F.D. *see* Rodbro, M. 9—89765

Andersen, G.R., Mazo, R.M. Electroneutrality effects on aluminum order in sodium feldspar: A two-dimensional model 9—90593

Andersen, H.C. *see* Bjarnason, J.O. 9—64049

Andersen, H.C. *see* Gochanour, C.R. 9—68994

Andersen, H.H. Sputtering of multicomponent metal and semiconductor targets 9—83077

Andersen, J. *see* Augustine, L.J. 9—94436

Andersen, J. *see* Reichert, J.F. 9—60582

Andersen, J.Damgaard *see* Damgaard Andersen, J.

Andersen, J.R. The role of the individual stacks of the selenium-containing organic metals 9—73307

Andersen, J.R., Pedersen, N.J., Mogensen, O.E., Christensen, P. Solvated positron chemistry. Competitive positron reactions with halide ions in water 9—61846

Andersen, J.U., Chechenin, N.G., Jensen, A.S., Jorgensen, K., Laegsgaard, E. Decay times for second-chance fission of ^{239}U studied by crystal blocking 9—85568

Andersen, K. *see* Hynne, F. 9—84899

Andersen, N., Andersen, T., Bahr, K., Cocke, C.L., Horsdal Pedersen, E., Ostgaard Olsen, J. Differential-excitation studies of quasi-one-electron systems. I. Na 3^2P excitation in Na-He, Ne, Ar collisions 9—86052

Andersen, N., Andersen, T., Cocke, C.L., Horsdal Pedersen, E. Differential-excitation studies of quasi-one-electron systems. II. Mg II 3^2P alignment and orientation in Mg^+-He, Ne, Ar collisions 9—86053

Andersen, N., Andersen, T., Olsen, J.O., Pedersen, E.H., Nielsen, S.E., Dahler, J.S. Quantum-mechanical phase jumps in collision-induced coherent excitation 9—54955

Andersen, N. *see* Olsen, J.O. 9—68314

Andersen, N.H. Electrical resistivity of dilute heavy rare earths in Lu 9—82578

Andersen, N.H., Smith, H. Electron-magnon interaction and the electrical resistivity of Tb 9—60790

Andersen, N.H. *see* Hauschultz, M. 9—60816

Andersen, P. On the development and structure of the rolled-up and the bent-back occlusion 9—88451

Andersen, R.S. *see* Close, D.M. 9—56612

Andersen, S.K., Bhattacharya, P.K., Golovchenko, J., Hertel, N., Mair, G. A double-crystal X-ray spectrometer stabilised by a dynamic feedback system 9—97482

Andersen, T. *see* Andersen, N. 9—54955, 9—86052, 9—86053

Andersen, T. *see* Olsen, J.O. 9—68314

Anderson, A. *see* Binbrek, O.S. 9—95741

Anderson, A.C. *see* Anthony, P.J. 9—82911, 9—95092

Anderson, A.C. *see* Bhattacharyya, A. 9—65265, 9—73351

Anderson, A.C. *see* Dierker, S.B. 9—56187

Anderson, A.C. *see* Gardner, J.W. 9—86938

Anderson, A.C. *see* Matey, J.R. 9—67347

Anderson, A.C. *see* Matsumoto, D.S. 9—73322

Anderson, A.C. *see* Roth, E.P. 9—77708, 9—95226

Anderson, A.C. *see* Smith, T.L. 9—73878, 9—90837

Anderson, A.D., Dahm, T.J. Boundary layer closure and heat transfer in constant base pressure and simple wave guns 9—55387

Anderson, A.J. Lunar paleotides and the origin of the Earth-Moon system 9—62769

Anderson, A.N., Cameron, J.M., Hutcheon, D.A., Kallne, J., Koene, B.K.S., Murdoch, B.T., van Oers, W.T.H., Stetz, A.W. Backward angle p-d elastic scattering at 316 and 516 MeV 9—71834

Anderson, A.P., Melek, M., Brown, B.H. Feasibility of focused microwave array system for tumour irradiation 9—100689

Anderson, A.P. *see* Marie, K.H.S. 9—50248

Anderson, A.R., Pollard, H.F. Changes in internal friction and dislocation charge in sodium chloride crystals following plastic deformation 9—99191

Anderson, A.R., Pollard, H.F. Interrupted neutron-irradiation experiments involving dislocations in sodium chloride 9—99208

Anderson, B. *see* Salter, M.J. 9—88694

Anderson, B. *see* Wilkinson, P.N. 9—101209

Anderson, B.D. *see* Cecil, R.A. 9—68150

Anderson, C.A., Jr. The fast breeder reactor: a global view 9—49828

Anderson, C.H. *see* Pedrini, C. 9—78132

Anderson, C.L., Dunlap, H.L. Low-temperature annealing behavior of GaAs implanted with Be 9—99540

Anderson, C.L., Dunlap, H.L., Hess, L.D., Vaidyanathan, K.V. Laser-annealed Si and Se implants for GaAs microwave devices 9—69139

Anderson, C.L. *see* Eckhardt, G. 9—73584

Anderson, C.L. *see* Hess, L.D. 9—69373

Anderson, C.M. Observations of several BY Draconis variables 9—67038

Anderson, C.M. *see* Gallagher, J.S. 9—53814

Anderson, C.R., Richards, B.G., Hoffman, R.W. Apparatus for Mossbauer effect emission and AES study of free surfaces 9—80735

Anderson, C.R., Richards, B.G., Hoffman, R.W. Mossbauer effect emission spectroscopy and Auger electron spectroscopy study of the (111) Ni surface 9—91329

Anderson, C.W. *see* Heineman, W.R. 9—79709

Anderson, D., Bondeson, A., Lisak, M. Transverse instability of soliton solutions to nonlinear Schrodinger equations 9—58561

Anderson, D., Bonnedal, M., Lisak, M. Variational approach to strongly nonlinear Schrodinger equations 9—58583

Anderson, D.A., Moddel, G., Collins, R.W., Paul, W. The effect of gap state density on the photoconductivity and photoluminescence of a-Si:H 9—91096

Anderson, D.A., Moddel, G., Paesler, M.A., Paul, W. Importance of argon pressure in the preparation of RF-sputtered amorphous silicon-hydrogen alloys 9—91585

Anderson, D.E., Landsberg, H.E. Detailed structure of pH in hydrometeors 9—92111

Anderson, D.E., Jr., Meier, R.R. Effects of anisotropic mutliple scattering on solar radiation in the troposphere and stratosphere 9—80016

Anderson, D.E., Jr., Meier, R.R., Weller, C.S. The seasonal-latitudinal variation of exospheric helium from the He 584-A dayglow emissions 9—75007

Anderson, D.F., Hamilton, T.T., Ku, W.H.-M., Novick, R. A large area, gas scintillation proportional counter 9—80222

Anderson, D.G.M. *see* Schulten, Z. 9—58562

Anderson, D.L. The upper mantle transition region: eclogite? 9—84192

Anderson, D.L., Minster, J.B. The frequency dependence of Q in the Earth and implications for mantle rheology and Chandler wobble 9—84190

Anderson, D.L. *see* Nakamura, Y. 9—84703

Anderson, D.L.T., Gill, A.E. Beta dispersion of inertial waves 9—70810

Anderson, D.L.T., Moore, D.W. Cross-equatorial inertial jets with special relevance to very remote forcing of the Somali Current 9—88357

Anderson, D.M. *see* Stepan, I.E. 9—93720

Anderson, D.N. *see* Davies, K. 9—75020

Anderson, D.P. Separation of particles 9—70395

Anderson, D.W. Control of fifth-order aberrations in modular optical design 9—55199

Anderson, D.W., St. George, F. Comparison of film and ion chamber systems for depth-dose measurements for a 25 MV beam 9—53255

Anderson, D.W., Western, D.J., Chatburn, G. Criticality aspects of fuel storage and transport in the UK 9—63791

Anderson, D.W. *see* Raeside, D.E. 9—92389

Anderson, D.Z., Weng W. Chow, Sanders, V.E., Scully, M.O. Novel multioscillator approach to the problem of locking in two-mode ring-laser gyros. II 9—59742

Anderson, E. The Harrisburg nuclear power station: catastrophy, accident or mishap? 9—81017

Anderson, E.R. *see* Milano, R.A. 9—67380

Anderson, F.A., Jr. *see* Penney, B.C. 9—57740

Anderson, G.L., Vasilakis, J.D., Wu, J.J. The influence of tip mass offset on the stability of Beck's column 9—72842

Anderson, G.M., Payne, H.J., Woo, C.W. A computerized transportation model for the NRC physical protection project [nuclear materials handling] 9—85743

Anderson, G.S., McNaughton, J.L., Ohlhaber, R.L. Fiber optic cables for telecommunications 9—94366

Anderson, H., Haberland, D., Besch, W. Comparative study of methods for the kinetic evaluation of DTA curves 9—79361

Anderson, H.L. *see* Carrington, R.L. 9—76257

Anderson, H.L. *see* Loomis, W.A. 9—71757

Anderson, I. Plane wave diffraction by a thin dielectric half-plane 9—89833

Anderson, I.M. On the characterization of energy-momentum tensors 9—88846

Anderson, I.S., Ross, D.K., Carlile, C.J. Measurements of diffusion of hydrogen in β palladium hydride by high resolution neutron scattering 9—60551

Anderson, J., Batten, R., Bruckshaw, J., de Jong, M., Gusdal, I., Knote, G., Konopasek, F., McIlwain, A., McKee, J.S.C., Oh, S., Pogson, R. Status report on the University of Manitoba cyclotron 9—54646

Anderson, J. *see* Williams, G.P. 9—83096

Anderson, J.B. Quantum chemistry by random walk: H_4 square 9—63925

Anderson, J.B., Burman, R.G. Monte Carlo simulation of isotope separation at probes 9—94098

Anderson, J.B., Freihaut, B.H. Quantum chemistry by random walk. Method of successive corrections 9—68180

Anderson, J.B. *see* Raghuraman, P. 9—94100

Anderson, J.C. Properties of amorphous silicon films sputtered in argon-silane mixtures 9—87023

Anderson, J.C. *see* Lane, G.E. 9—77962

Anderson, J.D., Jr. *see* Griffin, M.D. 9—55419

Anderson, J.E., Doecke, C.W. The gauche-trans equilibrium of substituted butanes in the gas phase and in solution. A low resolution microwave study 9—54846

Anderson, J.E. *see* Truex, T.J. 9—92112

Anderson, J.G. The in-situ measurement of atoms and radicals in the upper atmosphere 9—53600

Anderson, J.G. Estimating the seismicity from geological structure for seismic-risk studies 9—92491

Anderson, J.G., Trifunac, M.D. Application of seismic risk procedures to problems in microzonation. [Los Angeles, California] 9—88289

Anderson, J.H., Jr. *see* Bartholomew, C.H. 9—91257

Anderson, J.L., Bartlit, J.R., Denton, W.H., Kerr, E.C., Sherman, R.H. Impurity removal and recovery processes for fusion reactor fuel streams 9—85783

Anderson, J.M. *see* Uralil, F. 9—66096

Anderson, J.S. Lattice imaging by high resolution electron microscopy: the role of high resolution electron microscopy in solid state chemistry 9—77467

Anderson, J.S., Bull, D.G. User's guide to acoustic enclosures 9—68481

Anderson, K.A., Lin, R.P., Martel, F., Lin, C.S., Parks, G.K., Reme, H. Thin sheets of energetic electrons upstream from the Earth's bow shock 9—75042

Anderson, K.J., Coleman, R.N., Hogan, G.E., Karhi, K.P., McDonald, K.T., Newman, C.B., Pilcher, J.E., Rosenberg, E.I., Sanders, G.H., Smith, A.J.S., Thaler, J.J. Production of muon pairs by 225-GeV/c $\pi^\pm$, K^+, $p^\pm$ beams on nuclear targets 9—67612

Anderson, K.J. *see* Branson, J.G. 9—89211

Anderson, K.J. *see* Hogan, G.E. 9—63552

Anderson, K.J. *see* Newman, C.B. 9—63553

Anderson, L.L. *see* Ling, C.C. 9—100746

Anderson, L.W., Nimmo, G.A. Proposal for an intense polarized Li-ion source 9—63853

Anderson, L.W. *see* Bell, M.E. 9—92912

Anderson, L.W. *see* Lawler, J.E. 9—81410

Anderson, L.W. *see* Spencer, R.L. 9—94801

Anderson, M. *see* Lukasiewicz, M. 9—83981

Anderson, M.G. On the potential of radiography to aid studies of hillslope hydrology 9—74910

Anderson, M.G., Burt, T.P. Toward more detailed field monitoring of variable source areas 9—88380

Anderson, N.C. Basal plane cleavage cracking of synthetic sapphire arc lamp envelopes 9—66146

Anderson, N.C., Linford, R.M.F., Heitman, J.M. Potassium lamp for space laser communications 9—86261

Anderson, N.H., Smith, H. Spin wave resistivity in ferromagnetic Tb 9—60813

Anderson, P. *see* Roy, J.L. 9—100809

Anderson, P. *see* Weinberger, P. 9—79597

Anderson, P.A. Laboratory simulation of high-level liquid waste evaporation and storage 9—89409

Anderson, P.W., Brinkman, W.F. Theory of anisotropic superfluidity in ^{3}He 9—99387
Anderson, P.W. *see* Fukuyama, H. 9—78024
Anderson, R., Joshi, G.C. SU(4) Clebsch-Gordan coefficients for the formation of baryonium and exotic baryons 9—75739
Anderson, R., Joshi, G.C. Patterns of mass degeneracy in the baryonium spectrum 9—93393
Anderson, R. *see* Madey, R. 9—76216
Anderson, R.A. *see* Li, P.W. 9—61292
Anderson, R.E., Batay-Csorba, P.A., Emigh, R.A., Flynn, E.R., Lind, D.A., Smith, P.A., Zafiratos, C.D., DeVries, R.M. (^{3}He,n) reaction near and above Z=82 9—67733
Anderson, R.E., Bucknam, R.C. Two areas of probable Holocene deformation in southwestern Utah 9—79803
Anderson, R.E., Hoffman, E.W., Hoistad, B., Macek, R.J., Morris, C.L., Thiessen, H.A., Boudrie, R.L., Smith, G.R., Kallne, J. The (π^+,p) reaction on ^{12}C and ^{13}C near 90 and 180 MeV 9—85502
Anderson, R.E. *see* Alford, W.P. 9—63574, 9—75852
Anderson, R.E. *see* Kluger-Bell, B.M. 9—59010
Anderson, R.E. *see* Olmer, C. 9—93667
Anderson, R.E. *see* Shepard, J.R. 9—67656
Anderson, R.G.W. *see* Goldstein, J.L. 9—74611
Anderson, R.J.M., Holtom, G.R., McClain, Wm.M. Two-photon absorptivities of the all trans α, ω-diphenylpolyenes from stilbene to diphenyloctatetraene via three wave mixing 9—68416
Anderson, R.J.M., Kohler, B.E., Stevenson, J.M. The effects of strong excitation-phonon coupling on mixed crystal spectra: diphenylmethylene in benzophenone 9—99900
Anderson, R.L. *see* Winn, O.H. 9—87146
Anderson, R.N., DeLong, S.E., Schwarz, W.M. Thermal model for subduction with dehydration in the downgoing slab 9—79784
Anderson, R.N., Hobart, M.A., Langseth, M.G. Geothermal convection through oceanic crust and sediments in the Indian Ocean 9—79812
Anderson, R.N., Horiuchi, G.K., Jayarajan, A. Let's use MHD to smelt metals 9—70453
Anderson, R.N. *see* DeLong, S.E. 9—88321
Anderson, R.R. *see* Grunett, D.A. 9—84733
Anderson, R.R. *see* Gurnett, D.A. 9—58199
Anderson, R.W. *see* Lachish, U. 9—100360
Anderson, R.W., Jr., Damschen, D.E., Scott, G.W., Talley, L.D. Picosecond relaxation processes in excited state quinoxaline 9—89683
Anderson, S., Constable, E.C., Dare-Edwards, M.P., Goodenough, J.B., Hamnett, A., Seddon, K.R., Wright, R.D. Chemical modification of a titanium (IV) oxide electrode to give stable dye sensitisation without a supersensitiser 9—91964
Anderson, S.L. *see* Tiedemann, P.W. 9—89622
Anderson, V.C. Envelope spectra for signals and noise in vertically directional beams 9—86283
Anderson, V.C. *see* Kaye, G.T. 9—98530
Anderson, V.E. *see* Ashley, J.C. 9—95058
Anderson, V.E. *see* Spears, D.P. 9—81351
Anderson, W.A. *see* Dey, S.K. 9—92077
Anderson, W.A. *see* Ferraglio, R. 9—92074
Anderson, W.G., Huber, P.W., Snyder, D.A., Sonin, A.A. Some considerations in small-scale pool swell simulations 9—49740
Anderson, W.G., Huber, P.W., Sonin, A.A. Experimental tests of the scaling laws for air clearing in water-type pressure suppression systems 9—54564
Anderson, W.L. Numerical integration of related Hankel transforms of orders 0 and 1 by adaptive digital filtering 9—92599
Anderson, W.R., Crosley, D.R. Laser-excited fluorescence in the A-X system of NH 9—50060
Anderson, W.R., Crosley, D.R., Allen, J.E., Jr. Franck-Condon factors for the B-X system of S_2 9—94035
Anderson, W.W. *see* Jonath, A.D. 9—78884
Anderssen, R.S., Gustafson, S.-A., Winch, D.E. Estimating the phase of the response of the Earth to long-period geomagnetic fluctuations 9—88239
Andersson, B. Electron diffraction study of diffuse scattering due to atomic displacements in disordered vanadium monoxide 9—99327
Andersson, B., Gustafson, G. The Ochs-Stodolsky jet profile in iterative quark cascade models and low $p_\perp$ meson fragmentation 9—75733
Andersson, B., Gustafson, G., Ingelman, G. A semiclassical model for the polarization on inclusively produce Λ^0-particles at high energies 9—89202
Andersson, B., Holgersson, I., Migneron, R. Generalized hydrodynamical models 9—89131
Andersson, B., Nilsson, G., Otterlund, I. The energy independence of proton-emulsion collisions 9—75808
Andersson, B., Otterlund, I., Stenlund, E. General properties of hadron-nucleus reaction multiplicities 9—75986
Andersson, B. *see* Ingelman, G. 9—97947
Andersson, B. *see* Nilsson, G. 9—63660
Andersson, B.A.B. Thermal stresses in a submerged-arc welded joint considering phase transformations 9—61683
Andersson, C.G. The exact solution of the particle-rotor model in the i13/2-shell 9—93485
Andersson, C.H. *see* Warren, R. 9—91607
Andersson, D. *see* Torven, S. 9—55555
Andersson, G., Areskoug, M., Gustafsson, H.-A., Hylten, G., Schroder, B., Hagebo, E. Analysis of angular correlations between complementary fission products 9—76311
Andersson, G., Johansson, E. Transmutation studies at AB Atomenergi 9—85703
Andersson, K.A.B., Nilsson, H.T.G., Karlsson, S.E. Composition-dependent structural and morphological changes in nickel-aluminium films prepared by co-evaporation on the pure metals 9—87020
Andersson, L., Graneli, A., Strandberg, M. A microcomputer-controlled photometric analyzer. Application to the determination of lidocaine 9—49267
Andersson, L.P., Berg, S. Initial etching in an RF butane plasma 9—66224
Andersson, L.P. *see* Berg, S. 9—82484
Andersson, P. *see* Ross, R.G. 9—90796, 9—90839
Andersson, S. On the stereochemistry of valence bonds and the structures of XeO_3, XeF_4 and XeF_2 9—69066
Andersson, S., Pendry, J.B. Structure of CO adsorbed on Cu(100) and Ni(100) 9—86983
Andersson, S. *see* Stenberg, L. 9—79000
Andersson, Th. *see* Spiegelberg, P. 9—91695
Andersson, Y. *see* Rundqvist, S. 9—60330
Anderton, D.J., Sale, F.R. Production of strontium-doped lanthanum cobaltite conducting oxide powder by freeze-drying technique 9—95984
Anderton, D.J., Sale, F.R. Production of conducting oxide powders by amorphous citrate process 9—95985
Anderton, G.E. *see* McIntyre, A. 9—79106
Andl, A. *see* Bekk, K. 9—72436
Ando, A., Suzuki, T., Takasaki, E., Takayama, K. Coupling resonance $2\nu_H$-$2\nu_V$=0 in the KEK proton synchrotron 9—76185
Ando, A. *see* Endo, K. 9—68008
Ando, H. *see* Kaneda, T. 9—80680, 9—87143
Ando, H. *see* Miyatani, S. 9—78140
Ando, I. *see* Kondo, M. 9—72240
Ando, K., Nishihara, Y., Okuda, T., Tsushima, T. Hall effect and magnetoresistance in $Fe_{1-x}Cu_xCr_2S_4$ 9—78119
Ando, K., Oishi, Y. Oxygen self-diffusion and conduction mechanism of thoria 9—90821
Ando, K., Okazaki, K., Mori, K. Intensity calibration of normal incidence monochromator by the double monochromator method 9—94341
Ando, K. *see* Kohno, M. 9—71827
Ando, K. *see* Oishi, Y. 9—74137
Ando, M. Geodetic evidence for aseismic subduction of the Juan de Fuca plate 9—84209
Ando, M., Endo, N., Sakurai, K., Sekiguchi, T. Suppression of the diffracted waves by a corrugated cylinder 9—81342
Ando, M. *see* Ikeda, H. 9—81383
Ando, S. *see* Oe, K. 9—90023
Ando, S. *see* Tsubaki, K. 9—78879
Ando, T. Theory of intersubband cyclotron combined resonances in the silicon space-charge layer 9—69571
Ando, T. Valley splitting in the silicon inversion layer: misorientation effects 9—73564
Ando, T., Ikeda, K., Tohsaki-Suzuki, A. Microscopic study of ^{16}O+^{16}O interaction 9—59044
Ando, T. *see* Mori, S. 9—95506
Ando, Y. *see* Mori, S. 9—76151
Andoh, Y. *see* Kobayashi, Y. 9—57741
Andou, J. *see* Moriyama, S. 9—57561
Andra, H.J. *see* Winter, H. 9—64077
Andrabi, W.H. *see* Behari, J. 9—92248
Andrade, A. *see* Triday, J. 9—77738
Andrade, J.D. *see* Jonkman, H.T. 9—74441
Andrade, O. Interferometer matching to a plane wave 9—75575
Andrade, R.F.S., Salinas, S.R. Metamagnetic model in a field of arbitrary direction 9—95593
Andrae, H. *see* Marth, W. 9—97778
Andrasi, A., Taylor, J.C. Equivalence of massive and dimensional regularization in the infrared 9—71612
Andrasi, M., Forgacs, G., Lorinczy, A. The effect of potassium contamination of tungsten on filament-metallized devices 9—51679
Andre, D. *see* Clec'h, G. 9—51093
Andre, G., Bidaux, R., Carton, J.-P., Conte, R., de Seze, L. Frustration in periodic systems: exact results for some 2D Ising models 9—61023
Andre, J.C. Modelling the nocturnal evolution of the planetary boundary layer 9—84397
Andre, J.C., De Moor, G., Lacarrere, P., Therry, G., du Vachat, R. Modeling the 24-hour evolution of the mean and turbulent structures of the planetary boundary layer 9—58024
Andre, J.C., Lopez-Delgado, R., Lyke, R.L., Ware, W.R. Calibrating the light pulse shape of a hydrogen flashlamp using synchrotron radiation as a standard of excitation 9—72642
Andre, J.J., Marchal, E., Bieber, A. Optical spectra of the neutral electron donor-acceptor complex N,N,N',N'-tetramethyl-p-phenylenediamine-p-chloranil (TMPD-CA) in solution: temperature dependence and environmental effects 9—54861
Andre, J.M. *see* Delhalle, J. 9—59608. 9—89819
Andre, J.-P. *see* Veenvliet, H. 9—98391
Andre, S. *see* Foin, C. 9—85354
Andre, S. *see* Pinston, J.A. 9—63590
Andre, Y.V., Chambaret, J.P., Franco, M.A., Prade, B.S. Infrared video camera at 10 μm 9—94326
Andreas, E.L. The calibration of cylindrical hot-film velocity sensors 9—64815
Andreenko, A.S. *see* Nikitin, S.A. 9—87261, 9—99714
Andreev, A.A. *see* Pevtsov, A.B. 9—65929
Andreev, A.A. *see* Zherzdev, A.V. 9—73954
Andreev, A.B. *see* Shul'gin, V.V. 9—79683
Andreev, A.F. Impurities and vacancies in solid helium 9—65289
Andreev, A.I. *see* Ashmarin, I.I. 9—91541
Andreev, A.K., Domin, V.A., Shishkov, A.G. Domain creep in thin-film ferromagnetic bands 9—91262
Andreev, A.M., Ivanov, V.V., Karasev, B.G., Kirillov, I.R., Metlin, V.V., Nemchinov, Yu.K., Semikov, G.T., Sergeeva, L.M. Research and development studies on a series of cylindrical linear induction pumps [for nuclear power stations] 9—77276
Andreev, A.S., Gulyaev, Yu.V., Korablev, E.M., Lyndin, N.M., Proklov, V.V., Prokhorov, A.M., Sychugov, V.A. High-frequency planar acoustooptic light modulators using $LiNbO_3$ 9—76863
Andreev, A.S. *see* Proklov, V.V. 9—90032
Andreev, A.V., Deryagin, A.V., Levitin, R.Z., Markosyan, A.S., Zeleny, M. Magnetic anisotropy of the intermetallic compound UFe_2 9—56527
Andreev, B.M., Polevoi, A.S., Perevezentsev, A.N. Effect of isotopic concentration on the separation coefficient of H-T, H-D, and D-T mixtures in the hydrogen-palladium system 9—71979
Andreev, C. *see* Rashev, Ts. 9—82259
Andreev, D.A., Ipatova, I.P., Subashiev, A.V. Scattering of light by phonon zero sound in semiconductors 9—56145
Andreev, D.S., Gusinskii, G.M., Lemberg, I.Kh. Detection of low-energy heavy ions 9—68138
Andreev, E.A., Prostnev, A.S. Nonadiabatic electron transition in collisions between atoms and ions in an electromagnetic field 9—86064
Andreev, E.A., Smirnov, B.M. Decay of autoionization states of a quasi-molecule 9—64058
Andreev, G.A., Klimov, V.A. Precipitation of KCl:Pb^{2+} crystals 9—66066
Andreev, G.B. *see* Tomosov, A.P. 9—49617
Andreev, G.Ya., Dardyk, Ya.I., Gridnev, S.A. Stressed state of a two-layer fiber glass tube 9—64513
Andreev, I.V. *see* Balashov, Yu.S. 9—96071
Andreev, L.N., Sokolova, T.I., Kravets-Kravchevskaya, M.M., Belyakova, G.I. Visible and ultraviolet microscope lens objectives 9—75591
Andreev, M.I. Amplitude and time analyzer 9—70288
Andreev, O.N. *see* Bashkirov, Sh.Sh. 9—91232
Andreev, S.A. *see* Andreeva, N.P. 9—94297
Andreev, S.I., Zobov, E.A., Sidorov, A.N. Investigation of sliding spark in air 9—86634
Andreev, V.A. On the connection between 'pseudopotentials' and the inverse scattering problem method 9—71293
Andreev, V.A., Tolcheev, V.N. Digital monitor for rotational-speed instability 9—97363
Andreev, V.I. Investigation of the operational characteristics of the surfaces of components strengthened by the method of alloying 9—96198
Andreev, V.M., Syrbu, A.V. Growth of $Al_xGa_{1-x}As$ epitaxial films from a limited melt volume 9—70005
Andreev, V.M., Syrbu, A.V., Trofim, V.G., Yakovlev, V.P. Synthesis of GaAs and $Al_xGa_{1-x}As$ planar local structures by liquid-phase epitaxy 9—56097
Andreev, V.M. *see* Alferov, Zh.I. 9—56301, 9—70451
Andreev, V.M. *see* Suleimanov, Yu.M. 9—74002
Andreev, V.N., Bulyginskii, D.G., Zakharchenya, B.P., Chudnovskii, F.A. Visualization of microwave radiation by means of the metal-semiconductor phase transition in vanadium oxides 9—65845
Andreev, V.N., Danilov, M.M., Ermakov, O.N., Nedopekin, V.G., Rogov, V.I. P-odd asymmetry in neutron emission in the fission of ^{236}U 9—89339
Andreev, Yu.A., Davydovskii, V.Ya., Danilenko, B.N. Induced resonance radiation from electrons in a waveguide 9—55040
Andreev, Yu.A., Davydovskii, V.Ya., Danilenko, V.N. Spontaneous phase-focusing in resonant electron motion 9—68357
Andreev, Yu.M., Bagaev, E.V. Radiative energy losses of muons in the ground 9—84619

Andreev, Yu.M., Berezinsky, V.S., Smirnov, A.Yu. QCD effects in νn scattering above the threshold of W-boson production 9—71738

Andreev, Yu.S. Frequency-contrast characteristic of a grating of a photoreproduction system with non-regular structure of elements 9—58825

Andreev, Yu.S. *see* Strinadko, L.V. 9—98518

Andreeva, A.F., Gil'man, I.Ya. Polymorphic transitions in rare earth oxides obtained by reactive evaporation 9—51441

Andreeva, A.F., Gil'man, I.Ya. Some optical properties of films of rare earth metal oxides 9—95864

Andreeva, I.A. *see* Polukarova, Z.M. 9—57201

Andreeva, L. *see* Ikonopisov, S. 9—52680

Andreeva, L.N., Lavrenko, P.N., Belyaeva, E.V., Boikov, A.A., Muzafarov, A.M., Emel'yanov, V.N., Andrianov, K.A., Tsvetkov, V.N. Flow birefringence in the solutions of cyclolinear polydichlorophenylsiloxane 9—65835

Andreeva, L.N. *see* Unger, F.G. 9—85197

Andreeva, M.A., Borisova, S.F., Kuz'min, R.N. Inhomogeneous waves in a Mossbauer absorber 9—73871

Andreeva, N.P., Andreev, S.A., Matveev, I.N., Pshenichnikov, S.M., Ustinov, N.D. Parametric conversion of infrared radiation in zinc-germanium diphosphide 9—94297

Andreeva, N.S. *see* Leonov, A.I. 9—51269

Andreeva, T.L. *see* Ageev, V.P. 9—94221

Andreeva, V.D. On the image curvature of a simple lens 9—50368

Andreichenko, K.P. *see* Koval', V.A. 9—93135

Andreikiv, A.E. *see* Romaniv, O.N. 9—83280

Andrejco, M.J., Miller, T.J., MacChesney, J.B. Large preforms produced at high rates by particulate-deposition methods [optical fibres] 9—50461

Andrejtscheff, W., Schilling, K.D. Transition probabilities and deformation in the doubly odd nucleus ^{152}Eu 9—97680

Andren, A.W. *see* Strand, J. 9—57552

Andrenko, S.D., Devyatkov, N.D., Shestopalov, V.P. Millimeter field band antenna arrays 9—86114

Andreo, P. *see* Millan, P.E. 9—83945

Andreoni, A., Sacchi, C.A., Svelto, O., Bottiroli, G., Prenna, G. Laser-induced fluorescence of acridine-DNA complexes 9—66449

Andres, K., Darack, S., Ott, H.R. Crystal-field effects in $PrNi_5$: comparison of calculations with experiments 9—87071

Andres, K., Eska, G., Darack, S. Hyperfine enhanced nuclear magnetic cooling in $PrBe_{13}$ 9—63216

Andres, K., Millimill, B. Pulsed NMR experiments on $AuIn_2$ with respect to its performance as a nuclear refrigerant 9—61259

Andres, K. *see* Kjems, J.K. 9—65196

Andres, R.P. *see* Schwartz, M.H. 9—94754

Andresen, B., Jensen, S.B., Ramanujam, P.S., Veje, E. A study of the beam-foil excitation mechanism using carbon projectiles 9—86060

Andresen, B., Veje, E., Hultberg, S., Jelenkovic, B., Liljeby, L., Mannervik, S. A study of molecular effects of beam-foil spectroscopy 9—50127

Andresen, B. *see* Snowdon, K.J. 9—52063

Andresen, M.C. *see* Grisell, R.D. 9—70547

Andresen, R.E. Solubility of oxygen and sulfur dioxide in molten sodium sulfate and oxygen and carbon dioxide in molten sodium carbonate 9—69251

Andresen, U. *see* Mader, H. 9—86048

Andreussi, P. *see* Brown, R.C. 9—64805

Andrew, A.M. Learning in networks with minimal disruption 9—74628

Andrew, B.H. *see* Balonek, T.J. 9—75277

Andrew, B.H. *see* Feldman, P.A. 9—84821

Andrew, E.R. Body-scanning by nuclear spin 9—53274

Andrew, E.R., Gale, H.J., Vennart, W. Lithium chloride glass as a neutral matrix for the EPR study of radiation damage to biomolecules 9—96632

Andrew, N.E., Zakharenkov, Yu.A., Zorev, N.N., Tikhonchuk, V.T., Shikanov, A.S. Fast ions in a laser plasma 9—55532

Andrew, R., Lovato, M. Fast crystallization and void precipitation in laser pulse annealing of thin germanium films 9—56086

Andrewartha, J.R., Fox, J.R., Wilson, I.J. Further properties of lamellar grating resonance anomalies 9—50393

Andrews, D.E. *see* Nelson, C.A., Jr. 9—63486

Andrews, D.G. *see* Pai, H.L. 9—63662, 9—67799

Andrews, D.L. Doubly resonant three-photon spectroscopy 9—71534

Andrews, D.P. *see* Survila, E. 9—96228

Andrews, E.H. *see* Bhateja, S.K. 9—100242

Andrews, F.A. *see* Mole, L.A. 9—64405

Andrews, H.C. *see* Morton, J.B. 9—72502

Andrews, H.R. *see* Ball, G.C. 9—89322

Andrews, H.R. *see* Cohen, E.J. 9—93562

Andrews, H.R. *see* Haas, B. 9—71783

Andrews, H.R. *see* Hausser, O. 9—63578

Andrews, H.R. *see* Ward, D. 9—65130

Andrews, J. *see* Carmichael, I.C. 9—72348

Andrews, J.G., Youm, Y. A biomechanical investigation of wrist kinematics 9—70570

Andrews, J.M. Electrical conduction in implanted polycrystalline silicon 9—78235

Andrews, J.M., Jackson, B.G., Polito, W.J. High-field dark currents in thin CVD silicon nitride with graded interfacial composition 9—98240

Andrews, J.R. *see* Hudson, B.S. 9—68217

Andrews, J.T.S. *see* Spinella, G.M. 9—55899

Andrews, K.A. Dual channel microphone amplifier 9—71210

Andrews, L. Spectroscopy of transient species and molecular ions in matrices 9—80688

Andrews, L., Prochaska, F.T. Infrared spectra of the $CH_2F_2^+$, CHF_2^+, CHF^+, and FH-(CHF)$^-$ molecular ions in solid argon 9—68231

Andrews, L., Prochaska, F.T. Absorption spectra and photochemistry of the chlorofluoro- and bromofluoromethane cations in solid argon 9—96339

Andrews, L. *see* McDonald, S.A. 9—63996

Andrews, L. *see* Miller, J.C. 9—68253

Andrews, L. *see* Mowery, R.L. 9—68248

Andrews, L.A. *see* Brainard, J.P. 9—99013

Andrews, L.C. A matrix formulation for choosing starting sets in direct methods 9—73065

Andrews, L.T. *see* Daley, C.G. 9—83930

Andrews, L.T. *see* Opdycke, J.P. 9—79647

Andrews, M. *see* DeMasters, D. 9—100989

Andrews, M.C., III. *see* Button, T.M. 9—49975

Andrews, P.T. *see* Parry-Jones, A.C. 9—61472

Andrews, P.T. *see* Weightman, P. 9—52054, 9—100017

Andrews, R.A., Appel, J.A., Dixon, R.L., Kephart, R.D., King, J., Kolar, R.J., Lackey, S.L., McCarthy, J.D., Oberholtzer, R.D., Oetting, E.R., Tummillo, A.F. Helium refrigeration system and cryogenic system for superconducting Switchyard magnets at Fermilab 9—67990

Andrews, R.A. *see* Tummillo, A.F. 9—68006

Andrews, R.S. Forward scattering of underwater sound and its frequency dependence on the medium 9—50496

Andrews, W.B., Burnett, R.A., Engel, R.L. Transportation logistics for spent-fuel storage and disposal 9—89416

Andrews, W.M. *see* Mosteller, R.D. 9—59126

Andrews, W.R. *see* Clarke, G.A. 9—52542

Andreychev, V., Zhelev, Zh.T., Enikova, M., Muminov, K.M., Muminov, T.M., Salikhbaev, U.S. I-forbidden M1 transitions in ^{131}Ba and ^{133}Ba 9—49603

Andreyev, P.A., Alferov, N.S., Fokin, B.S., Gol'dberg, Ye.N. Effect of instability of two-phase flow on the hydraulic characteristics of steam-generating channels 9—90333

Andreyeva, L.A., Katasev, L.A., Shchuka, T.I. Behavioral characteristics of the wind in the polar thermosphere under quiet and disturbed conditions 9—62634

Andreyeva, N.Ye., Barashkov, B.I., Zakharova, G.V., Shubin, V.V., Chibisov, A.K. Nature of the electron-excited state in redox reactions of pigments. II. Analysis of the scheme of primary processes in the reaction of photo-oxidation of chlorophylls a and b and pheophytin a 9—79468

Andreyevskiy, A.A., Borishanskiy, V.M., Bykov, G.S., Shleyfer, V.A. Threshold steam qualities and cutoff heat fluxes in two-phase channel flows 9—90242

Andreyevskiy, A.A. *see* Borishanskiy, V.M. 9—77222

Andriacchi, T.P. *see* Mikosz, R.P. 9—92270

Andriadze, T.D. *see* Shavishvili, T.M. 9—65655

Andrianopoulos, N.P., Theocaris, P.S. The state of stress near the singularities created by a plane punch 9—64606

Andrianov, A.B. *see* Styrikovich, M.A. 9—76946

Andrianov, A.M., Sinitsyn, V.I. Use of an erosion discharge to initiate a long atmospheric arc 9—90490

Andrianov, D.G., Belokon', S.A., Lakeenkov, V.M., Savel'ev, A.S., Fistul', V.I., Tsiskarishvili, G.P. Magnetic susceptibility of $Pb_{1-x}Mn_xTe$ single crystals 9—73672

Andrianov, D.G., Muravlev, Yu.B., Fistul', V.I., Shevakin, A.F. Quadrupole interactions in III-V semiconductor compounds 9—51880

Andrianov, D.G. *see* Posyado, V.P. 9—90800

Andrianov, K.A., Zhdanov, A.A., Levin, V.Yu. Some physical properties of organosilicon ladder polymers 9—65012

Andrianov, K.A. *see* Andreeva, L.N. 9—65835

Andrianov, K.A. *see* Litvinov, V.M. 9—51878

Andrianov, V.I. *see* Chetkina, L.A. 9—86783

Andrianov, V.V., Baev, V.P., Zenkevich, V.B., Mints, R.G., Rakhmanov, A.L. Losses in combined superconductors under nonisothermal conditions 9—87218

Andrianova, G.P. *see* Privalko, V.P. 9—51295

Andrianova, Z.S. *see* Malkin, A.Ya. 9—87844

Andriashvili, I.A. *see* Mikhailov, A.M. 9—70513

Andriesse, C.D. Fluctuation theory of the mass flux from the stars 9—53804

Andriessen, J. *see* van Ormondt, D. 9—87070

Andrieux, A., Bechgaard, K., Duroure, C., Jerome, D. The metallic state of the organic conductor TMTSF-DMTCNQ at low temperature under pressure 9—82579

Andrieux, A., Duroure, C., Jerome, D., Bechgaard, K. The metallic state of the organic conductor TMTSF-DMTCNQ at low temperature under pressure 9—91033

Andrieux, A., Schulz, H.J., Jerome, D., Bechgaard, K. Conductivity of the one-dimensional conductor tetrathiafulvalene-tetracyanoquinodimethane (TTF-TCNQ) near commensurability 9—78084

Andrieux, A., Schulz, H.J., Jerome, D., Bechgaard, K. Fluctuation conductivity in 1-D conductor tetrathiafulvalene-tetracyanoquinodimethane (TTF-TCNQ) 9—91034

Andrievskii, R.A., Savin, V.I., Markin, V.Ya., Spravtsev, V.T., Shevchenko, A.S. Effect of reactor irradiation on the electrical and magnetic properties of interstitial phases 9—77640

Andrievskii, R.A., Vlasov, K.P., Shevchenko, A.S., Lanin, A.G., Pritchin, S.A., Klyushin, V.V., Krushin, S.P., Maskaev, A.S. Influence of reactor irradiation on the physicomechanical properties of zirconium and hafnium carbides [sic for hafnium read niobium] 9—77641

Andrilla, Y., Vreux, J.M. The He λ 10830 Å emission line in O star spectra 9—80304

Andrillat, H. A survey on cosmology 9—97110

Andrillat, Y. Spectrographic observations of Nova Cygni 1978 around its maximum brightness 9—58343

Andrillat, Y. *see* Cosmovici, C.B. 9—84803

Andrillat, Y. *see* Vreux, J.M. 9—67003

Andro, P. *see* Chevalier, J. 9—65558

Andronenko, L.N., Vaishnene, L.A., Gorshkov, B.L., Kovshevnyi, G.G., Semenchuk, G.G., Solyakin, G.E., Chestnov, Yu.A. Search for events kinematically different from fission, resulting from nuclei ^{238}U and ^{197}Au exposed to the 1-GeV proton beam 9—59103

Andronikashvili, E.L., Tsakadze, J.S., Tsakadze, S.J. Spontaneous acceleration of freely rotating helium II as a manifestation of a new type of quantum phase transition 9—55971

Andronov, I.N. *see* Likhachev, V.A. 9—61650

Andronov, Yu.F. *see* El'Ashri, F.M. 9—80911, 9—80939

Androsenko, P.A., Efimenko, B.A. Modification of the Monte Carlo method for calculating radiation fields behind thick shields 9—93760

Andrukhiv, M.G., Mal'tseva, V.A., Ivanov-Omskii, V.I., Ogorodnikov, V.K., Totieva, T.Ts. Recombination levels in n-type $Cd_{0.3}Hg_{0.7}Te$ 9—91076

Andrus, J. *see* Deckert, C.A. 9—64611

Andrus, S.R. *see* Moise, J.C. 9—53286

Andrusenko, I.M. *see* Korableva, A.A. 9—66344

Andrushchenko, V.A. Formation of a vortex ring during the rise of a heated air mass in the stratified atmosphere 9—84365

Andrushin, A.I., Kazakov, A.E., Fedorov, M.V. Threshold features of the excitation and ionization of atoms by strong electromagnetic radiation field 9—85940

Andrushko, L.M. Synthesis of inhomogeneous dielectric-slab waveguide 9—94337

Andrushko, L.M., Grigor'yants, V.V., Naumenko, K.P., Babkina, T.V. Analysis of inhomogeneous multimode dielectric waveguides 9—59833

Andrushko, L.M., Voznesenskii, V.A., Gassanov, L.G., Kryvokobyl'skii, E.P., Tkachuk, B.V. Dielectric waveguides in the optical range based on organsilicon compounds 9—98481

Andrusik, Ya.F., Rusinko, K.N. Deformation of a loading surface 9—80435

Andryushchenko, L.Z. *see* Bogachev, I.N. 9—52444

Andryushechkin, V.I. *see* Kidin, I.N. 9—52457

Andryushin, E.A., Silin, A.P. Phase diagram of a two-dimensional electron-hole system 9—95342

Andrzejewska, W. The light scattering on certain types of rough surfaces 9—60606

Andy, O.J. *see* Hughes, J.R. 9—100637

Andzelm, J. *see* Piela, L. 9—77550

Anedda, A., Cugusi, L., Raga, F., Spiga, A., Grilli, E., Guzzi, M. Fundamental optical constants of the layered semiconductor $ZnIn_2S_4$ 9—56757

Anedda, A., Fortin, E. Study of the band edge in $CdIn_2S_4$ by photovoltaic effect 9—95444

Aneja, V.P. *see* Overton, J.H., Jr. 9—88388

Anet, F.A.L., Basus, V.J. Limiting equations for exchange broadening in two-site NMR systems with very unequal populations 9—76448

Anfalt, T., Strandberg, M. A micro-computer system for potentiometric stripping analysis 9—52793

Anferov, V.P., Grechishkin, V.S., Rudakov, T.N. Two-frequency NMR-NQR double resonance 9—95683

Anfilogov, V.N. *see* Bragina, G.I. 9—66048

Anfossi, D. *see* Santomauro, L. 9—70853

Ang Choh-Yi *see* Choh-Yi Ang

Angel, J.R.P. *see* Hubbard, E.N. 9—53721
Angel, J.R.P. *see* Liebert, J. 9—67034
Angel, J.R.P. *see* Thompson, I. 9—53906
Angel, R. Coordinated observations of BL Lacertae 9—80354
Angel, R. *see* Crampton, D. 9—80327
Angel, R. *see* Glass, I.S. 9—58346
Angel, R.W. *see* Wagner, J.A. 9—100801
Angel, Y. *see* Gence, J.N. 9—50708
Angelescu, N., Protopopescu, V. Asymptotic equivalence between the hydrodynamic and kinetic stages for the Lorentz model 9—55438
Angelescu, T., Mihul, A., Mihu, R., Baltateanu, N. Target for neutron production by means of electron accelerators in the energy range from 1 to 10 MeV 9—63855
Angelescu, T. *see* Falomkin, I.V. 9—85376
Angeletti, A. *see* Mewissen, L. 9—54436
Angelier, J. Recent Quaternary tectonics in the Hellenic Arc: examples of geological observations on land 9—79797
Angelier, N. A new biological system for cryopreservation of cells and biological samples 9—62420
Angelillo, J. *see* Murakami, M. 9—90918
Angelini, A. Solar gas turbine 9—92064
Angelini, C., Bagnaia, P., Baroni, G., Bartley, J.H., Bertrand-Coremans, G., Bisi, V., Breslin, A., Burhop, E.H.S., Carena, F., Casali, R., Ciapetti, G., Conversi, M., Davis, D.H., Di Liberto, S., Ferrer, M.L., Franzinetti, C., Gamba, D., Godfrey, L., Keane, D., Lamanna, E., Marzari, A., Marzano, F., Montwill, A., Morganti, R., Nappi, A., Palazzi-Cerrina, C., Pazzi, R., Petrera, S., Pierazzini, G.M., Riccati, L., Romano, G., Romero, A., Sacton, J., Santonico, R., Sever, R., Stannard, F.R., Tolun, P., Tovee, D.N., Vilain, P., Wickens, J.H., Wilquet, G. On the lifetime of charged charmed particles first direct observation of a charmed baryon decay 9—67548
Angelini, P. *see* Mack, J.E. 9—93805
Angelini, P. *see* Selle, J.E. 9—93716
Angelino, G. *see* Giglioli, G. 9—52955
Angelino, H. *see* Mekasut, L. 9—77218
Angelis, A.De *see* De Angelis, A.
Angelis, G.Fabrizio De *see* Fabrizio De Angelis, G.
Angell, C.A., Sare, J.M., Sare, E.J. Glass transition temperatures for simple molecular liquids and their binary solutions 9—51239
Angell, C.A. *see* Barkatt, A. 9—57261
Angell, C.A. *see* Kanno, H. 9—65134
Angell, C.L., Lewis, I.C. Raman spectroscopy of mesophase pitches 9—91416
Angell, J.K., Korshover, J. Comparison of stratospheric trends in temperature, ozone and water vapor in north temperature latitudes 9—53474
Angell, J.K., Korshover, J. Recent rocketsonde-derived temperature variations in the western hemisphere 9—58018
Angelov, B.M. Indirect exchange interactions in cubic lanthanide sesquioxides 9—95585
Angelov, N., Anoshin, A.I., Grishin, V.G., Lyubimov, V.B., Solov'ev, M.I., Suleimanov, M.K., Tuvdendorzh, D. Analysis of $\pi^{-12}C$ and $\pi^{-}p$ interactions with emission of hadrons into the backward hemisphere in LS at p_0-40 GeV/c 9—59094
Angelov, N., Anoshin, A.I., Grishin, V.G., Lyubimov, V.B., Solov'ev, M.I., Suleimanov, M.K., Tuvdendorzh, D. Study of reaction $\pi^{-}+{}^{12}C \rightarrow p+...$ at π^{-} momentum=40 GeV/c 9—89335
Angelov, N. *see* Abdivaliev, L. 9—93568
Angelov, N.S., Backovic, C., Grishin, V.G., Ienik, L., Kanarek, T. Certain characteristics of many-nucleon interactions of π^{-} mesons at p=40 GeV/c 9—97638
Angelova, E. *see* Kovachev, T.S. 9—66267
Angenheister, G., Gebrande, H., Miller, H., Weigel, W., Goldflam, P., Jacoby, W., Palmason, G.G., Bjornsson, S., Einarsson, P., Zverev, S., Loncarevic, B., Solomon, S. First results from the Reykjanes Ridge Iceland Seismic Project 1977 9—57889
Anger, C.D. *see* Moshupi, M.C. 9—70910
Anger, C.D. *see* Wallis, D.D. 9—70911
Angerer, H., Ibl, N. On the electrodeposition of hard gold 9—74104
Angers, R. *see* Champagne, B. 9—79018
Angert, N.G., Anisimov, N.A., Belyi, N.M., Gorban, I.S., Gubanov, V.A., Nazarova, N.V. Raman scattering of light in $PbMoO_4$single crystals 9—69842
Angert, N.G. *see* Pashkov, V.A. 9—95730
Angiulescu, C.St. *see* St. Angiulescu, C.
Anglada, M., Guiu, F. Critical assessment of a method for measuring internal stresses 9—59955
Anglin, F. *see* Leblanc, G. 9—66636
Anglister, J., Steinberg, I.Z. Depolarized Rayleigh light scattering in absorption bands measured in lycopene solution 9—87451
Anguilar, M., Gonzalo, C., Godefroy, G. X-ray induced luminescence from $BaTiO_3$ 9—69885
Anguita, C., Campusano, L.E., Torres, C., Pedreros, M. Identification of radio sources in the south polar cap 9—75284
Angus, H.T. The significance of hardness 9—92916
Angus, J.C. *see* Forgac, J.M. 9—64517
Anh, N.H. On a conjecture of Wolf and Moore characterising Lie groups, with discrete series 9—53960
Anh Nguyen Huu *see* Nguyen Huu Anh
Anholt, R. Calculation of K-vacancy production by relativistic projectiles 9—50126
Anholt, R. Theory of the angular distribution of $2p\sigma$ molecular orbital X-rays 9—76380
Anholt, R., Meyerhof, W.E., Stoller, C. Impact-parameter dependence of 1 $s\sigma$ vacancy production in 4.6-MeV/amu Xe+Pb collisions 9—72393
Anholt, R. *see* Meyerhof, W.E. 9—67768
Anicich, V. *see* Karpas, Z. 9—64098
Anicin, B.A. A proposed theory of local induced voltage velometry of conductive fluids 9—86517
Anikeev, B.V. Investigation of a double Pockels shutter in a laser with active phasing of the spectrum 9—98419
Anikeev, E.F., Kostikov, V.I., Chepelenko, V.N., Batov, V.M. The wetting of refractory metals by copper base alloys 9—82417
Anikin, S.A. Nonlocal light-cone expansion of the product of currents and its renormalization group analysis 9—97526
Anikin, V.I., Gorobets, A.P., Polovinkin, A.N. Characteristics of planar optical waveguides prepared by a solid-state diffusion method 9—55227
Anikina, M. *see* Aksinenko, V. 9—97713
Anile, A.M., Moschetti, G. Conservation laws for geometrical optics in general-relativistic refractive media 9—54021
Aniol, K., Chiang, D., Halpern, I., Drake, D., Haouat, G. The ^{11}C production yield ratios from ^{12}C vs. ^{13}C and ^{12}C vs. ^{16}O for incident $\pi^{\pm}$ from 100 to 250 MeV 9—85516
Anishchenko, G.N. Distortion of magneto-telluric sounding curves associated with a diurnal surface dip 9—84109
Anishchenko, G.N. Search for overhang bodies by a method of telluric currents 9—88496
Anishchenkov, V.M., Mileiko, S.T. Fatigue fracture of laminated composites 9—87725
Anishchik, V.M. *see* Sud, P.K. 9—60660
Anishetty, R., Baker, M., Kim, S.K., Ball, J.S., Zachariasen, F. Infrared properties of the coupling constant in non-Abelian gauge theories 9—93293
Anisichkin, V.F. Generalized shock adiabats of the elements 9—86839
Anisimov, A.M., Vasil'ev, V.F., Karasev, B.G., Lavrent'ev, I.V. Interaction between a moving conducting strip and the field of a ferromagnetic inductor. I 9—77277
Anisimov, A.N. *see* Gurevich, A.G. 9—82771
Anisimov, A.N. *see* Veselovskii, A.V. 9—64391
Anisimov, A.V., Miftakhutdinova, F.G. NMR study of the diffusion of water adsorbed on proteins using a new programme of the pulse gradient of the magnetic field 9—92139
Anisimov, A.V., Miftakhutdinova, F.G., Aksenov, S.I. Investigation of the translational mobility of water isolated in the cells of lyophilically dried yeasts Cryptococcus albidus var. diffluens by the pulsed NMR method 9—57612
Anisimov, M.A., Berestov, A.T., Voronov, V.P., Kiyachenko, Yu.F., Koval'chuk, B.A., Valyshev, V.M., Smirnov, V.A. Critical exponents of liquids 9—77766
Anisimov, M.P., Kostrovskii, V.G., Shtein, M.S. Measurement of the number of molecules and the surface tension in critical nuclei from the rate of nucleation 9—65293
Anisimov, N.A. *see* Angert, N.G. 9—69842
Anisimov, O.A., Doktorov, A.B., Zhidkov, V.D. Effective method of experimental-data reduction using the technique of multichannel pulse-height analysis 9—68167
Anisimov, O.K., Arzumanov, A.A., Batischev, V.N., Gerasimov, V.I., Gorkovets, M.S., Kruglov, V.G., Volkov, B.A., Voronin, A.M. Status of cyclotron facility in Alma Ata 9—54633
Anisimov, S.I., Medvedev, Yu.V., Pitaevskii, L.P. Plasma instability and turbulence in wake of a fast-moving body 9—77353
Anisimov, V.I., Gubanov, V.A., Ivanovskii, A.L., Kurmaev, E.Z., Weber, J., Lacroix, R. Electronic structure, charge distribution and X-ray emission spectra of V_3Si 9—51481
Anisimov, V.K. Continuous self-inspection of acoustic emission instruments 9—96275
Anisimov, Yu.M. *see* Abakumov, G.A. 9—98353
Anisimova, G.P. *see* Eriksonas, K.M. 9—63955
Anisimova, I.A. *see* Barasheva, T.V. 9—51312
Anisimova, I.D. *see* Abramyan, Yu.A. 9—75597
Anisimova, L.I., Makhnev, E.S., Popov, A.A. Investigation of the hardening of a high-strength titanium alloy during a thermomechanical treatment 9—91657
Anisimova, O.P., Vardanyan, G.A. On the structure of vacancies in the rotating solid He^3 9—90843
Anisimova, V.I. *see* Klyuev, V.A. 9—65981
Anisin, A.K. *see* Yevenko, V.I. 9—98709
Anisovich, V.V., Levin, E.M., Ryskin, M.G. Hadronic processes at intermediate and high energies in framework of the hypothesis of 'black' or 'almost black' constituent quarks 9—54325
Anisovich, V.V., Niri, Yu. Hadron production in the quark combinatorics with coloured quarks 9—93382
Anisovich, V.V., Volkovitskii, P.E., Kobrinskii, M.N. Ratio of secondary baryon and meson yields in $e^{+}e^{-}$ annihilation and quark combinatorics 9—49532
Anistratov, A.T., Bexnosikov, B.V., Gusar, V.A. Structural phase transitions in $Cs_2NaB^{3+}Cl_6$ crystals 9—99318
Anitpov, S.V., Nezlin, M.V., Snezhkin, E.N., Trubnikov, A.S. Excitation of Langmuir solitons by a monoenergetic electron beam 9—77381
Anitropova, I.L., Velikotnyi, M.A. Problem of correcting astigmatism in rapid systems 9—98300
Anjaneyulu, Y., Rollins, R.W. Magnetic flux pinning in proton-irradiated thick Nb samples 9—56463
Ankenbrandt, C. *see* Hojvat, C. 9—67971
Ankenbrandt, C.M. *see* Brown, B.C. 9—72047
Ankiewicz, A. Ray theory of graded non-circular optical fibres 9—55229
Ankilov, A.N., Borodulin, A.I., Gol'dman, B.M., Kutsenogii, K.P., Chankin, Yu.F., Grivin, V.P., Semenov, A.G., Fomenko, V.M. Pickup of a photoelectric analyzer of aerosol particles with an optical method of forming the counting volume. Experimental justification of theoretical model 9—93270
Ankilov, A.N., Borodulin, A.I., Kutsenogii, K.P., Grishin, Yu.A., Semenov, A.G. Detector in aerosol-particle photoelectric analyzer with optical method of forming count volume: theoretical analysis of model of optical detector 9—67455
Ankilov, A.N., Borodulyan, I.A. Drop size measurement in liquid mists by a spherical mirror method 9—64806
Anlauf, K.G. *see* Lusis, M.A. 9—74565
Anliker, P., Weber, H.P. Investigation of jet quality for high power CW dye lasers 9—94253
Anliker, P. *see* Geneux, E. 9—81445
Annamalai, A., Kanakavel, M., Singh, S. Force field for planar vibrations of urea: use of CNDO/Force MO calculations 9—76416
Annamalai, N.K., Chao, C.C., Raymond, D. Technique to determine the growth rate and resistivity of evaporated CdS thin films 9—77940
Annanmaki, M. *see* Stenstrand, K. 9—70587
Annapurna, N., Gupta, A.S. Exact analysis of unsteady MHD convective diffusion 9—72953
Anne, R., van den Bossche, M. A secondary emission-multiwire chamber for GANIL heavy ion beams tuning 9—54733
Annenkoff, A., Garnier, P., Gregoire, P. Polymorphism of lead vanadate oxide $Pb_8V_2O_{13}$ 9—99102
Annenkov, Yu.M. *see* Boev, S.G. 9—69526
Annett, C.H., Curnutte, B., Cocke, C.L. Impact-parameter dependence of K-vacancy production in Cu-Ni collisions 9—54958
Anni, R., Renna, L., Taffara, L. Regge pole contributions to the ^{16}O on ^{28}Si elastic scattering 9—63687
Anno, J.N. *see* Gibson, J.E. 9—81010
Anno, T., Sakai, Y. Tempered orbital energies and the potential curve within a molecule 9—89584
Anokhin, V.Z. *see* Domashevskaya, E.P. 9—87008
Anokhin, V.Z. *see* Ugai, Ya.A. 9—86812
Anokhin, Yu.A., Barkov, V.N., Grenishin, S.G. Effect of dispersion indicatrix on absorption of radiant energy in a photographic layer 9—58821
Anokhin, Yu.A. *see* Pruss, P.Kh. 9—49327
Anokhina, Z.V., Berlina, S.A., Vilenskii, Yu.B., Mironova, T.G., Selezneva, N.V., Shvaishtein, Kh.S. Minimum surface concentrations of Ag and of colour components in colour photographic papers 9—67409
Anokhov, S.P., Kravchenko, V.I., Cidorov, S.V., Soskin, M.S. Sensitivity of the method of competing beams in laser intraresonator spectroscopy 9—93228
Anokhov, S.P., Kravchenko, V.I., Sidorov, S.V. On possibility of small absorption coefficients determination using threshold generation characteristics of competitive tunable lasers 9—49302
Anoprienko, S.S., Bondarenko, N.L. Nonsteady electromagnetic field outside a solid conducting cylinder surrounded by a coil with current 9—96273
Anoshin, A.I., Solov'ev, M.I., Suleimanov, M., Tuvdendorzh, D., Uzhinskii, V.V. 'Particular' KNO scaling in hadron-hadron and hadron-nucleus interactions 9—89213
Anoshin, A.I. *see* Angelov, N. 9—59094, 9—89335

Anrizheivskii, A.A., Batalova, E.T., Mikhalevich, A.A., Nemtsev, V.A. Dymamic stability of two-phase chemically reacting flow. II. Numerical calculations 9—68823

Ansaldo, E.J., Bergstrom, J.C., Yen, R., Caplan, H.S. Inelastic electron scattering from ^{10}B 9—75898

Ansara, I. Comparison of methods for thermodynamic calculation of phase diagrams 9—91620

Ansara, I., Bros, J.P., Girard, C. Thermodynamic analysis of the Ga-In, Al-Ga, Al-In and the Al-Ga-In systems 9—60512

Ansari, J.S., Krishnaprased, K. Receiver designs for tower-top solar collector 9—62114

Ansari, S.M.R. *see* Alam, B. 9—75190

Ansel, D., Barre, J., Meziere, C., Debuigne, J. The manganese-platinum system: study of Mn^{54} radiotracer diffusion in platinum-rich alloys 9—86915

Ansel, D., Debuigne, J. Heterodiffusion, to infinite dilution, of manganese in pure platinum 9—51306

Ansel'm, A.A. Strong quark interaction as a mechanism for spontaneous symmetry violation in a weak interaction 9—71659

Anselm, A.A. Neutrino masses as a second-order effect in Higgs coupling 9—75716

Anselm, A.A., Azimov, Ya.I. CP violating effects in e^+e^- annihilation 9—80769

Ansel'm, A.A., Ural'tsev, N.G. Spontaneous CP violation in six-quark model 9—93379

Anselmino, M. What do we learn from polarization measurements in deep-inelastic electron-nucleon scattering? 9—67566

Anselmo, J.C. *see* Kincheloe, N.K. 9—95080

Anshelevich, V.V. *see* Vologodskii, A.V. 9—83702

Ansorge, R., Tornig, W. *(editor)* Numerical Treatment of Differential Equations in Applications 9—92930

Ansorge, R.E. *see* Pratap, M. 9—63512

Ansorge, R.E. *see* Ward, C.P. 9—75803

Anstis, G.R., Cockayne, D.J.H. The calculation and interpretation of high-resolution electron microscope images of lattice defects 9—73075

Antanasijevic, R. *see* Grabez, B. 9—93671

Antaya, T. *see* Liukkonen, E. 9—54667

Antes, H. On dual-complementary variational principles generated from dual functionals in linear shell theory 9—97196

Antesberger, G. *see* Mantl, S. 9—83054

Anthes, J.P., Palmer, M.A., Gusinow, M.A., Matzen, M.K. Absorption of laser radiation by Al, Fe, and Au, planar metallic targets 9—87528

Anthes, R.A. The height of the planetary boundary layer and the production of circulation in a sea breeze model 9—53438

Anthes, R.A., Chang, S.W. Response of the hurricane boundary layer to changes of sea surface temperature in a numerical model 9—53439

Anthonisen, N.R. *see* Forkert, L. 9—88102

Anthonisen, N.R. *see* Zidulka, A. 9—83825

Anthony, P.J., Anderson, A.C. Low-temperature dielectric susceptibility of Li, Na, K, and Ag β-alumina 9—82911

Anthony, P.J., Anderson, A.C. Frequency and temperature dependence of dielectric and ultrasonic dispersion in amorphous materials at low temperatures 9—95092

Anthony, T.R., Cline, H.E. A fluid-flow-temperature model for the casting of amorphous metal ribbon by melt extraction 9—56942

Anthony, T.R., Cline, H.E. Dimensional variations in Newtonian-quenched metal ribbons formed by melt spinning and melt extraction 9—56943

Antia, H.M. *see* Pandey, S.K. 9—84783

Antic-Jovanovic, A., Bojovic, V., Pesic, D.S., Weniger, S. The $A^1\Pi$-$X^1\Sigma$ band system of CD^+. Spectroscopic constants and isotope shifts 9—59485

Antich, P.P. *see* Mohan, R. 9—62364

Antille, J. *see* Crabb, D.G. 9—63528

Antimirov, M.Ya., Kolyshkin, A.A. Unsteady MHD convection in a vertical circular channel 9—77271

Antiochos, S.K. The stability of solar coronal loops 9—101132

Antiochos, S.K., Krall, K.R. The evolution of soft X-ray-emitting flare loops 9—53781

Antipenko, A.G., Dremin, A.N., Yakushev, V.V. Electrical polarization with initiation of the detonation of homogeneous explosives by a shock wave 9—100378

Antipenko, B.M., Tarasenko, V.V. Cooling by light of gaseous recombining media 9—57263

Antipin, A.A., Konov, I.S., Korableva, S.L., Rakhmatullin, R.M., Tagirov, M.S., Teplov, M.A., Fedii, A.A. Electronic and nuclear spin-lattice relaxation in the Van Vleck paramagnet $LiTmF_4$ 9—95643

Antipin, G.K. *see* Gryazev, V.M. 9—97865

Antipin, M.V., Blyumberg, M.I., Kuznetsova, A.L. Visual evaluation of motion picture image according to sharpness and graininess 9—58814

Antipin, M.Yu. *see* Potekhin, K.A. 9—86784

Antipin, M.Yu. *see* Sadybakasov, B.K. 9—94995

Antipin, N.I., Kuznetsov, Yu.V., Ruzer, L.S. Instrument for determining the pulmonary filtering capability 9—100729

Antipin, Yu.G. *see* Ryabkov, V.V. 9—84529

Antipov, A.B., Sapozhnikova, V.A. Optical-acoustic method in high-resolution laser spectroscopy 9—66383

Antipov, S.D. *see* Stetsenko, P.N. 9—78335

Antipov, V.I. *see* Grigoriev, V.A. 9—59915

Antman, S.S., Osborn, J.E. The principle of virtual work and integral laws of motion 9—67148

Antman, S.S., Tai-Ping Liu Travelling waves in hyperelastic rods 9—49051

Antoci, S., Mihich, L. Study of the electronic structure of $MgCl_2$ by the intersecting spheres model 9—99482

Antoine, C. Some new developments in optical fibre connections 9—86257

Antolkovic, B., Rupnik, D. The (n,α) reaction on ^{11}B induced by 14.4 MeV neutrons 9—89303

Antolkovic, B. *see* Paic, G. 9—76013

Anton, R., Harsdorff, M., Martens, T. Nucleation and growth of binary alloys on substrates 9—77956

Antonacopoulos, G. The problem of motions up to the second post-Newtonian approximation in general relativity theory 9—75079

Antonacopoulos, G., Tsoupakis, E. The periastron advance in the second post-Newtonian approximation in general relativity 9—75078

Antonacopoulos, G., Tsoupakis, E. Angular momentum flux from an isolated system of N-bodies in higher multipole moments 9—80474

Antonangeli, F., Piacentini, M., Balzarotti, A., Grasso, V., Girlanda, R., Doni, E. Electronic properties of the III-VI layer compounds GaS, GaSe and InSe. II. Photoemission 9—65976

Antonelli, A., Leite, J.R. Effects of the local electron speed on the exchange-correlation phenomena 9—95356

Antonellis, B.C. *see* Rustad, R.C. 9—96625

Antonenko, A.Kh., Dvurechenskii, A.V., Dravin, V.A., Spitsyn, A.V. Formation and annihilation of defects in silicon irradiated with chromium ions 9—90707

Antonenko, G.I., Berletov, A.N., Raihkel's, E.I. X-ray diffractometer attachment for controlling structural imperfections in large crystals 9—68975

Antonenko, R.S., Karpov, Yu.A., Shakhovtsov, V.I., Shindich, V.L., Shpinar, L.I., Yaskovets, I.I. Electrical properties of irradiated gadolinium-doped p-type Si 9—51613

Antonenko, V.A., Ostrovskii, Yu.N. Heat transfer with boiling of a thin water film on a Teflon surface 9—90124

Antonenko, V.A. *see* Tolubinskiy, V.I. 9—94468

Antonenko, V.G. *see* Baldin, A.M. 9—72125

Antonets, E.P., D'yachkov, A.L., Stepanov, B.M., Fabrikov, V.A. Thermoelastic stresses and the effects of magnetostriction during the recording of radiation in films 9—97465

Antonets, S.I., Nitsovich, V.M., Timochko, B.M. Charge density waves in the unidimensional generalized Hubbard model 9—65396

Antonets, S.I., Timochko, B.M. Charge density waves in crystals 9—65395

Antoni, R., Avanzini, P.G., Barberis, M. The IAEA international symposium on design, construction and operating experience with demonstration liquid metal fast breeder reactors (Bologna, Italy, April 10 to 14, 1978) 9—49646

Antoni, R. *see* Bragagnoli, F. 9—97782

Antonia, R.A., Chambers, A.J. Spectra of temperature derivatives in the atmospheric surface layer 9—66759

Antonia, R.A., Chambers, A.J. Note on the temperature ramp structure in the marine surface layer 9—66760

Antonia, R.A., Chambers, A.J., Friehe, C.A. Statistical properties of otpical refractive index fluctuations in the marine boundary layer 9—62580

Antonia, R.A., Chambers, A.J., Friehe, C.A., Van Atta, C.W. Temperature ramps in the atmospheric surface layer 9—88434

Antonia, R.A., Chambers, A.J., Phong-Anant, D., Rajagopalan, S., Sreenivasan, K.R. Response of atmospheric surface layer turbulence to a partial solar eclipse 9—70843

Antonia, R.A. *see* Browne, L.W.B. 9—81862

Antonia, R.A. *see* Rajagopalan, S. 9—64770

Antoniadis, I. On the spontaneous breaking of chiral symmetry in QCD 9—71700

Antoniou, P.D. Competition between charge- and spin-density waves in transition-metal dichalcogenides 9—95352

Antonissen, L.A., Mitchell, R.W., Kroeger, E.A., Kepron, W., Tse, K.S., Stephens, N.L. Mechanical alterations of airway smooth muscle in a canine asthmatic model 9—100648

Antonoff, M.M. Neel temperature of chromium alloys with local magnetic moments 9—73713

Antonopoulos, J.G. A model for six-fold ribbon in layered structure materials 9—60364

Antonopoulos Domis, M. Acoustic resonances as a means of blockage detection in sodium-cooled fast reactors 9—93752

Antonov, A.N., Nikolaev, V.A., Petkov, I.Zh. A model of coherent fluctuations of nuclear density 9—75959

Antonov, A.N., Shalaev, S.P., Yudelovich, M.Ya. Influence of acoustic reflectors on the discrete component in the noise spectrum of a supersonic off-design jet 9—68775

Antonov, A.N., Sladkevich, M.S. Experimental investigation of a high-temperature jet 9—94691

Antonov, A.S., Belousova, I.M., Gerasimov, V.A., Danilov, O.B., Zhevlakov, A.P., Sapelkin, N.V., Yachnev, I.L. Flashlamp-excited photodissociation 1000 J laser with 1.4% efficiency 9—72558

Antonov, E.E., Korchevoi, Yu.P., Lukashenko, V.I. Decay of cesium plasma in the presence of molecular nitrogen 9—55455

Antonov, E.N., Berik, E.B., Koloshnikov, V.G. Intracavity laser detection of ammonia and methane absorption spectra in the region 6000-6500 Å 9—89684

Antonov, E.V. *see* Karpov, I.I. 9—95924

Antonov, I.I. *see* Doroshenko, R.A. 9—95604, 9—99726

Antonov, R.A., Ivanenko, I.P. Extensive showers in the upper atmosphere and characteristics of the nuclear reactions of particles of energy about 10^{15} eV 9—80161

Antonov, S.N. *see* Proklov, V.V. 9—90030

Antonov, V.A., Arsenev, P.A., Petrova, D.S. Spectroscopic properties of Nd^{3+} ion in $TbAlO_3$ single crystals 9—91470

Antonov, V.A., Sazhin, A.I., Sokolov, L.L., Kholshevnikov, K.V. On the instability of Hamiltonian systems 9—62732

Antonov, V.E., Belash, I.T., Degtyareva, V.F., Ponomarev, B.K., Ponyatovskii, E.G., Tissen, V.G. Magnetic properties of solutions of hydrogen in nickel-iron alloys 9—69671

Antonov, V.E., Belash, I.T., Ponomarev, B.K., Ponyatovskii, E.G., Thiessen, V.G. Magnetic properties of hydrogen solid solutions in Fe-Ni-Mn alloys 9—65674

Antonov, V.E., Belash, I.T., Ponyatovskii, E.G., Rashchupkin, V.I. Electrical resistance of nickel, palladium, and platinum under hydrogen pressure of up to 67 kbar 9—91018

Antonov, V.E. *see* Belash, I.T. 9—51260

Antonov, V.F. *see* Ivanov, A.S. 9—53069

Antonov, V.F. *see* Petrov, V.V. 9—53052, 9—70530

Antonov, Vl.N. *see* Nemoshkalenko, V.V. 9—78792

Antonov, V.M., Gevorkyan, L.B., Ponomarenko, A.G. Transients in a plasma diode 9—64929

Antonov, V.N. *see* Nemoshkalenko, V.V. 9—78792, 9—91536

Antonov, Vl.N. *see* Nemoshkalenko, V.V. 9—91536

Antonov, Yu.V. Numerical schemes for interpreting mangetic and gravity anomalies 9—62622

Antonov, Yu.V. Numerical techniques of extrapolation of potential fields 9—74988

Antonova, A.M., Dzvonik, L.I. Solution of a mixed boundary-value problem of flow round a slender delta-wing 9—90279

Antonova, D.I., Pavlov, O.M., Rozhdestvenskaya, T.B. Principles of development of highly accurate means for reproducing small direct currents 9—75545

Antonova, I.A. *see* Dmitriev, G.A. 9—70892

Antonova, I.M. *see* Abarenkov, I.V. 9—56125, 9—78003

Antonova, K.T., Zafirova, B.S., Peyeva, R.A., Matev, I.T., Zartov, G.D. New method for determination of general Brewster angle at multilayer interference polarizer preparation 9—64315

Antonova, L.F. *see* Korobeinikova, V.N. 9—95856

Antonova, L.I. *see* Abil'siitov, G. 9—94254

Antonova, S.L. *see* Zhukova, L.A. 9—78664

Antonowicz, D., Arendzikowski, R., Borowiecki, M., Czekaj, S., Zadrozny, M. Application of a fast streak or frame camera for studying plasma dynamics in a plasma focus device 9—68950

Antonsen, T., Coppi, B., Englade, R. Inward particle transport by plasma collective modes 9—55543

Antonsen, T.M., Jr. *see* Manheimer, W.M. 9—64898

Antonucci, E., Dodero, M.A. Rotation and lifetime of coronal features 9—75191

Antonuk, L. *see* Chant, N.S. 9—89222

Antonuk, L. *see* Kitching, P. 9—67755

Antony, P.J. Dossier: solar energy in France by the year 2000 9—74498

Antony, P.J. The science of materials in space 9—83111

Antonyan, K.G. *see* Avakyan, V.V. 9—49564

Antonyuk, B.P. Surface phonons and displacive phase transitions in surface layers 9—65167

Antonyuk, R.A., Mamchuk, V.I. Calculation of the hydrodynamics of a boundary layer on a continuously moving smooth cylinder in the presence of heat transfer 9—77062

Antoon, M.K., D'Esposito, L., Koenig, J.L. Factor analysis applied to Fourier transform infrared spectra 9—96378

Antoranz, J.C., Velarde, M.G. Thermal diffusion and convective stability: the role of uniform rotation of the container 9—68725

Antoranz, J.C. *see* Velarde, M.G. 9—77110

Antoshchuk, V.V., Primachenko, V.E., Snitko, O.V. Photoelectric properties of palladium-doped silicon surface 9−73544

Antov, B. *see* Popova, L. 9−95499

Antov, B.Z. *see* Popova, L.I. 9−56311, 9−65339

Antraptsev, I.V. Creep and long-term strength of 45 steel with a boron-aluminum coating in an ammonia atmosphere 9−91854

Antropov, A.E., Bayumi, T., Gusev, V.P., Zarubin, P.P., Ioannu, P.D., Orlov, B.N. Study of proton interaction with nuclei ^{102,104,106,108,110}Pd at E_p=6 MeV 9−67753

Antropova, T.S. *see* Evseeva, M.A. 9−74277

Antsyfrov, S.M., Kos'yan, R.D., Onishchenko, E.L., Pykhov, N.V. On the possibility of measuring the concentration of suspended sediment in the sea with sampling bottles-accumulators 9−53552

Antsygina, T.N., Slusarev, V.A., Strzhemechnyi, M.A. Contribution of supercritical states of ^{3}He quasiparticles to the thermodynamics of superfluid solutions 9−65282

Anttila, A., Hautala, M. Radiation enhanced outdiffusion during ion implantation 9−73200

Anttila, R., Hietanen, J., Kauppinen, J. The infra-red spectrum of C_2HD around 700 cm^{-1} 9−50021

Anttila, R., Karkkainen, T., Kauppinen, J., Graner, G. High-resolution infrared spectrum of the ν_3 band of CD_3Br 9−64000

Anttila, R. *see* Graner, G. 9−81204

Anttila, R. *see* Huhanantti, M. 9−50020

Antula, J. Electrolytical doping of silicon with lithium 9−77623

Antula, J. Reply to 'Comments on "Electrochemical doping of silicon with arsenic"' 9−90685

Antuna, P.A. Operating systems for multiple arrays of microprocessors used in a hybrid prompt diagnostic system 9−49918

Antypas, G.A. *see* Barthruff, D. 9−87575

Antyukh, E.V., Divin, Yu.Ya., Zabolotnyi, V.F., Nad, F.Ya. A wide-band radiometer for the short-wavelength part of the millimeter range based on a superconducting point contact 9−62750

Antyukh, E.V., Divin, Yu.Ya., Zabolotnyi, V.F., Nad', F.Ya., Yudin, B.F. Radio-astronomical observations in the short-wave part of the millimeter wavelength range with a wide-band radiometer based on a superconducting point contact 9−96916

Anufriev, V.A., Belanova, T.S., Zamayatnin, Yu.S., Kolesov, A.G., Nikol'skii, S.N., Poruchikov, V.A., Kalebin, S.M., Artamonov, V.S., Ivanov, R.N. Measurement of neutron total cross sections and resonance parameters of ^{147}Pm 9−97709

Anufrieva, E.V. *see* Freidzon, Ya.S. 9−55665

Anufriyeva, N.M., Nesterova, M.P., Gornitskiy, A.B. Study of the possibility of using sorbents to eliminate oil spills in the sea 9−53011

Anuta, P.E., McGillem, C.D. A two-dimensional filter design for isotropic reconstruction of track-type airborne geophysical surveys 9−66844

Anwar, M. *see* Guram, G.S. 9−72897

Anwar Chaudri, M., Lee, M.M., Rouse, J.L., Spicer, B.M. Cyclotron analysis of Australian atmospheric contamination before and after the 1974 French nuclear tests in the Pacific 9−57311

Anzai, H. *see* Aoki, H. 9−98783

Anzin, V.B., Glushkov, M.V., Gorina, Yu.I., Kalyuzhaya, G.A., Kosichkin, Yu.V., Nadezhdinskii, A.I. Use of injection lasers based on $Pb_{1-x}Sn_xTe$ in high-resolution spectroscopy 9−76714

Aoki, A. *see* Takeuchi, T. 9−66435

Aoki, H. Effect of coexistence of random potential and electron-electron interaction in two-dimensional systems: Wigner glass 9−56169

Aoki, H., Ezawa, H., Uehara, M., Suzuki, T. Adhesive behaviors of metallic-cation-glaze exchanged on acid site structure of silica-alumina to steel 9−66216

Aoki, H., Kuroda, T., Miyahara, A. Test device for discharge interrupter of neutral beam injector 9−85771

Aoki, H., Kurosaki, Y., Anzai, H. Study on the tubular pinch effect in a pipe flow. I. Lateral migration of a single particle in laminar Poiseuille flow 9−98783

Aoki, H., Ogawa, K. Magnetic interaction effect and Dingle temperature of de Haas-van Alphen oscillations in lead 9−69395

Aoki, H. *see* Filho, J.B. 9−58989, 9−58992, 9−63561

Aoki, H. *see* Kato, B. 9−61605

Aoki, H. *see* Mita, K. 9−74622

Aoki, H. *see* Ogawa, K. 9−90944

Aoki, H. *see* Yosida, T. 9−65718

Aoki, K., Inamuro, T., Onishi, Y. Slightly rarefied gas flow over a body with small accomodation coefficient 9−90286

Aoki, K., Izumi, O. Improvement in room temperature ductility of the intermetallic compound Ni_3Al by ternary trace element addition 9−52315

Aoki, K., Izumi, O. Cleavage fracture of the intermetallic compound Ni_3Ge single crystals 9−61694

Aoki, K., Izumi, O. Flow and fracture behaviour of $Ni_3(Al.Ti)$ single crystals tested in tension 9−79075

Aoki, K., Kinugasa, T., Yamamoto, K. Luminescence from exciton polaritons in weakly excited GaAs based on exciton-electron collisions 9−83020

Aoki, K., Okuyama, Y., Kobayashi, T., Yamamoto, K. Exciton motion under an external electric field in GaAs 9−56135

Aoki, K. *see* Okazaki, R. 9−83583

Aoki, K. *see* Seo, T. 9−67655

Aoki, K. *see* Sone, Y. 9−94672

Aoki, K. *see* Yano, S. 9−91350

Aoki, K.-I. *see* Masuda, Y. 9−88317

Aoki, M., Hayashi, T., Koike, K. Selection rule of heavy-lepton decay 9−49500

Aoki, M. *see* Ivaschenko, A.I. 9−65475, 9−99579

Aoki, M. *see* Naruki, K. 9−71909

Aoki, M. *see* Ogino, T. 9−78730

Aoki, M. *see* Sato, K. 9−52005

Aoki, M. *see* Washiyama, M. 9−65993

Aoki, N., Ohki, Y., Yahagi, K. Deformation of nematic-positive liquid crystals by an electric field between two co-axial cylindrical electrodes 9−50986

Aoki, R. *see* Habermeier, H.U. 9−82731

Aoki, R. *see* Hayashi, S. 9−65483

Aoki, R. *see* Onari, S. 9−87449

Aoki, S., Iye, M. Bi-orthogonalization of Toomre's surface-density functions for flat galaxies 9−80356

Aoki, S., Kishimoto, K., Sakata, M. Dynamic problem of expanding crack under concentrated load 9−68646

Aoki, T. Hypersensitization by forming gas baking and silver nitrate ($AgNO_3$) bathing 9−101084

Aoki, T. *see* Furuno, K. 9−63690

Aoki, T. *see* Sakai, S. 9−68405

Aoki, Y. Description of wave propagations by a quantum mechanical technique 9−80471

Aoki, Y., Nagano, K., Kunori, S., Yagi, K. Completion of two-step process with spin-dependent interaction in the ^{14}N(p,p')^{14}N(2.31 MeV) reaction at E_p21.0 MeV 9−89301

Aoki, Y., Sanada, J., Yagi, K., Kunori, S., Higashi, Y., Kato, S., Kawa, J., Okada, K., Izumoto, T. Isospin non-conservation in the ^{14}N(d,d')^{14}N reaction 9−67757

Aoki, Y., Tanaka, K. Generation of an electronic reference of spherical wave by microcomputer in an ultrasonic holography 9−81646

Aoki, Y., Williams, D.E.G. Some properties of alloys with compositions close to $DyC_{0.33}$ 9−86741

Aoki, Y. *see* Matoba, M. 9−97705

Aoki, Y. *see* Rangacharyulu, C. 9−89307

Aoki, Y. *see* Sanada, J. 9−71836

Aomine, T. *see* Yamasaki, S. 9−51717

Aono, K. *see* Yamanaka, C. 9−82070

Aono, M., Nishitani, R., Oshima, C., Tanaka, T., Bannai, E., Kawai, S. Direct observation of LaB_6(001) surface at high temperatures by X-ray and ultraviolet photoelectron spectroscopy, low-energy electron diffraction, Auger electron spectroscopy, and work-function measurements 9−99403

Aono, M. *see* Minami, F. 9−83104

Aono, Y. *see* Kuramoto, E. 9−91755

Aono, Y. *see* Okazaki, K. 9−74194

Aoyagi, M. *see* Chen, M.H. 9−81180, 9−93962

Aoyagi, Y., Sano, K., Namba, S. High spectroscopic qualities in blazed ion-etched holographic gratings 9−76847

Aoyagi, Y. *see* Murakami, K. 9−60393, 9−69122

Aoyama, I. *see* Takeuchi, I. 9−58147

Aoyama, I. *see* Yamakawa, H. 9−79733

Aoyama, J., Kawado, S. An improved Cu-decoration technique for characterizing lattice imperfections in silicon wafers 9−65069

Aoyama, J. *see* Kawado, S. 9−60221

Aoyama, K., Minowa, J. Optical demultiplexer for a wavelength division multiplexing system 9−64309

Aoyama, K., Minowa, J. Low-loss optical demultiplexer for WDM systems in the 0.8-μm wavelength region 9−98463

Aoyama, T., Doi, K., Nonaka, S. High reproducibility optical switch for optical fiber transmission 9−64329

Aoyama, T. *see* Fujii, Y. 9−76823

Apaev, B.A. *see* Kirillov, Yu.V. 9−96052

Apai, G., Hamilton, J.F., Stohr, J., Thompson, A. Extended X-ray−absorption fine structure of small Cu and Ni clusters: binding-energy and bond-length changes with cluster size 9−81317

Apanasenko, A.V., Dobrotin, N.A., Dremin, I.M., Kotel'nikov, K.A. A new interpretation of some 'anomalous' events in cosmic rays 9−92642

Apanasevich, P.A., Zaporozhchenko, V.A. Light-induced grating formation in dye solutions by two independent laser beams 9−94230

Apanovich, Yu.V. *see* Pranch, A.S. 9−55812

Aparin, V.P., Vedenkov, V.S. Chronological distribution curves of paleomagnetic restructurings in the Phanerozoic 9−53302

Aparisi, R.R. *see* Teplyakov, D.I. 9−83559

Apatovskii, L.E., Lipets, A.U., Mochan, S.I., Sotnikov, I.A., Shvartsman, S.Ya., Sheptun, V.I. Raising the operational efficiency of a P-67 boiler in an 800 MW generating unit 9−68710

Apel', V.D., Augenshtain, K.Kh., Bertoluchchi, E., Bushnin, Yu.B., Vincelli, M.L., Grachev, M.I., Donskov, S.V., Dzhivoletti, M., Dzhonson, R., Inyakin, A.V., Kachanov, V.A., Kval'ya, M., Kittenberger, V., Krasnokutskii, R.N., Kruger, M., Leder, G., Lednev, A.A., Manelli, I., Mikhailov, Yu.V., Muller, Kh., Oberparleiter, R., Pernika, M., Prokoshkin, Yu.D., P'eratstsini, G.M., Serozhiamp'etri, F., Sigurdsson, G., Skribano, A., Tais, A., Toropin, A.N., Franceskini, R., Shintsel', D., Shnaider, Kh., Staudenmaier, Kh.M., Shtoier, M., Shuvalov, R.S. $\pi^-p\to\eta n$ reaction in momentum range of 15 to 40 GeV/c 9−67609

Apel', V.D., Augenstain, K.Kh., Bertolucci, E., Vincelli, M.L., Donskov, S.V., Johnson, R., Inyakin, A.V., Kachanov, V.A., Quaglai, M., Kittenberger, W., Krasnokutskii, R.N., Bruger, M., Leder, G., Lednev, A.A., Mannelli, I., Mikhailov, Yu.V., Muller, H., Prokoshkin, Yu.D., Pierazzini, G.M., Sergiampietri, F., Sigurdsson, G., Scribano, A., Schinzel, D., Schneider, H., Steuer, M., Shuvalov, R.S. Study of $\pi^-p\to\eta'n$ reaction over momentum range of 15 to 40 GeV/c 9−89194

Apel, W., Everts, H.U., Schulz, H. Correlation functions of the 1-D Coulomb gas, solitons and the 1-D Fermi gas 9−85071

Apel, W.D., Augenstein, K.H., Bertolucci, E., Bushnin, Yu.B., Donskov, S.V., Franceschini, R., Givoletti, M., Grachev, M.I., Inyakin, A.V., Johnson, R., Kachanov, V.A., Kittenberger, W., Krasnokutsky, R.N., Kruger, M., Leder, G., Lednev, A.A., Mannelli, I., Mikhailov, Yu.V., Muller, H., Oberparleiter, R., Pernicka, M., Pierazzini, G.M., Prokoshkin, Yu.D., Quaglia, M., Schinzel, D., Schneider, H., Scribano, A., Sergiampietri, H.M., Shuvalov, R.S., Sigurdsson, G., Staudenmaier, H.M., Steuer, M., Thys, A., Toropin, A.N., Vincelli, M.L. Reaction $\pi^-p\to\eta n$ in the 15 to 40 GeV/c momentum range 9−58978

Apel, W.D., Augenstein, K.H., Bertolucci, E., Donskov, S.V., Inyakin, A.V., Johnson, R., Kachanov, V.A., Krasnokutsky, R.N., Kruger, M., Leder, G., Lednev, A.A., Mannelli, I., Mikhailov, Yu.V., Muller, H., Pierazzini, G.M., Prokoshkin, Y.D., Quaglia, M., Schinzel, D., Schneider, H., Scribano, A., Sergiampietri, F., Shuvalov, R.S., Sigurdsson, G., Steuer, M., Toropin, A.N., Vincelli, M.L. Reaction $\pi^-p\to\pi^0n$ in the 15-40 GeV/c momentum range 9−75800

Apel, W.D., Augenstein, K.H., Bertolucci, E., Vincelli, M.L., Donskov, S.V., Johnson, R., Inyakin, A.V., Kachanov, V.A., Quaglia, M., Krasnokutskii, R.N., Kruger, M., Leder, G., Lednev, A.A., Mannelli, I., Mikhailov, Yu.V., Muller, H., Prokoshkin, Yu.D., Pierazzini, G.M., Sergiampeitri, F., Sigurdsson, G., Scribano, A., Toropin, A.N., Schinzel, D., Schneider, H., Steuer, M., Shuvalov, R.S. Reaction $\pi^-p\to\pi^0n$ at momenta from 15 to 40 GeV/c 9−89195

Apel, W.D., Augenstein, K.H., Kruger, M., Muller, H., Schinzel, D., Schneider, H., Sigurdsson, G., Bertolucci, E., Donskov, S.V., Inyakin, A.V., Johnson, R., Kachanov, V.A., Kittenberger, V., Krasnokutsky, R.N., Leder, G., Lednev, A.A., Mannelli, I., Mikhailov, Yu.V., Prokoshkin, Yu.D., Pierazzini, G.M., Quaglia, M., Scibano, A., Sergiampietri, F., Shuvalov, R.S., Steuer, M., Vincelli, M.L. Reaction $\pi^-p\to\eta'n$ in the 15-40 GeV/c momentum range 9−54361

Apel, W.D., Augenstein, K.H., Kruger, M., Muller, H., Schneider, H., Sigurdsson, G., Bertolucci, E., Mannelli, I., Pierazzini, G.M., Quaglia, M., Scribano, A., Sergiampietri, F., Vincelli, M.L., Donskov, S.V., Inyakin, A.V., Kachanov, V.A., Krasnokutsky, R.N., Lednev, A.A., Mikhailov, Yu.V., Prokoshkin, Yu.D., Shuvalov, R.S., Leder, G. Reaction $\pi^-p\to\omega n$ in the (15 to 40) GeV/c momentum range 9−93464

Apeldoorn, G.W.van *see* van Apeldoorn, G.W.

Apetaur, M., Opicka, F. Output from a non-linear 'friction' element with stochastic input 9−50674

Apfel, C. *see* Tiller, H.-J. 9−95645

Apfel, R.E. The superheated drop detector 9−72201

Apfel'buam, M.S. Plane jets of a wekaly conducting dielectric liquid in a strong nonuniform electric field 9−77275

Apokin, V.D., Vasil'ev, A.N., Derevshchikov, A.A., Matulenko, Yu.A., Meshchanin, A.P., Mysnik, A.I., Nurushev, S.B., Sara'kin, A.I., Siksin, V.V., Smirnov, E.V., Solov'ev, L.F., Solov'yanov, V.L., Chu'ko, B.V. Some peculiarities of π^--proton inelastic scattering in the 30-60-GeV/c momentum range 9−67615

Apollonov, V.V., Barchukov, A.I., Borodin, V.I., Bystrov, P.I., Goncharov, V.F., Ostanin, V.V., Ostrovskaya, L.M., Prokhorov, A.M., Rodin, V.N., Trushin, E.V., Khomich, V.Yu., Tsypin, M.I., Shevakin, Yu.F., Shur, Ya.Sh. Enhanced damage for mirror-finish metal surfaces cooled by open-pore structures 9—72603

Apollonov, V.V., Bunkin, F.V., Khomich, V.Yu., Chetkin, S.A. Thermal-deformation method for measuring the intensity distribution of an intense laser beam 9—64267

Apollonov, V.V., Corkum, P.B., Taylor, R.S. Selection of high-power nanosecond pulses from large-aperture CO_2 oscillators 9—98382

Aponte, J.M., Octavio, M., Callarotti, R.C. Resistive transition of lead superconducting strips in the surface sheath state 9—56443

Apopei, I. *see* Radu, C. 9—84167

Apostol, D. Calibration of the material in holographic photoelasticity 9—86388

Apostol, M. *see* Corciovei, A. 9—60110

Apostolakis, G., Mosleh, A. Expert opinion and statistical evidence. An application to reactor core melt frequency 9—54526

Apostolakis, G. *see* Lee, Y.T. 9—70757

Apostolov, A., Mikhov, M., Khristov, Kh., Cholakov, P. Low-temperature magnetic balance and results of the magnetic measurements of several solid solutions of the $Cr_xFe_{2-x}CaO_4$ type 9—75556

Apostolov, D.E. *see* Stefanov, G.I. 9—87929

Apostolov, T.G. *see* Petkov, P.T. 9—85601

Apostolov, T.G. *see* Totev, T.L. 9—85694, 9—85695

Apostoluk, W., Duczmal, M., Bartecki, A. Magnetic and spectroscopic properties of some binuclear copper (II) carboxylates 9—91204

Appa Rao, M.V.K., Samle, S.V., Daniel, R.R., Gokhale, G.S., Joseph, G., Kundapurkar, R.U., Lavakare, P.J. The Aryabhata satellite project: an experiment to detect energetic neutrons and gamma rays from the Sun 9—84636

Apparao, K.M.V., Chitre, S.M. A model for the rapid X-ray burster 9—84866

Apparao, K.M.V. *see* Kulkarni, P.V. 9—97105

Appel, B.R., Wall, S.M., Tokiwa, Y., Haik, M. Interference effects in sampling particulate nitrate in ambient air 9—83668

Appel, B.R. *see* Hoffer, E.M. 9—83685

Appel, Ch. *see* Eberhard, K.A. 9—80966

Appel, E. Biomedical transducers—information exchange and humanization, two aspects of a technical problem 9—88204

Appel, J.A. *see* Andrews, R.A. 9—67990

Appel, J.A. *see* Barsotti, E. 9—49919

Appel, J.A. *see* Jostlein, H. 9—89310

Appel, P.W.U. *see* Monster, J. 9—92537

Appel, W.U. *see* Schidlowski, M. 9—84262

Appelblad, O., Lagerqvist, A., Lyyra, M. The spectrum of CuO: rotational analysis of a band at 4182 Å 9—89685

Appelhans, T.D., Mehner, A.S., Quapp, W.J. Power Burst Facility fission product detection system 9—54536

Appelhans, T.D. *see* Randolph, P.D. 9—93772

Appelt, K., Malanowski, L. A cylindrical R-20 size zinc-air primary cell 9—100507

Appendino, P., Montorsi, M. Silicon lanthanide oxynitrides 9—77570

Appenzeller, I., Wolf, B. The satellite-UV spectrum of S CrA 9—67016

Appenzeller, I. *see* Chavarria, C. 9—71045

Apperson, C.E. *see* Lee, C.E. 9—85588

Apperson, C.E., Jr., Barts, E.W., Bennett, J.G., Dunwoody, W.E. Feasibility study for a post-accident heat removal facility 9—49774

Applebaum, D.C. A two-variable grading scheme 9—71169

Appleby, C.A. *see* Trewhella, J. 9—74592

Appleby, P.G., Oldfield, F., Thompson, R., Huttunen, P., Tolonen, K. ^{210}Pb dating of annually laminated lake sediments from Finland 9—74916

Applegate, J. *see* Bethe, H.A. 9—97014

Applequist, J. Dipole coupling effects of nonchromophoric groups in molecules on frequencies, dipole strengths, and rotational strengths of chromophoric groups 9—98060

Appleton, A. *see* Chiranjivi, T. 9—56929

Appleton, B.R., Larson, B.C., White, C.W., Narayan, J., Wilson, S.R., Pronko, P.P. New materials properties achievable by ion implantation doping and laser processing 9—69127

Appleton, B.R., Ritchie, R.H., Biggerstaff, J.A., Noggle, T.S., Datz, S., Moak, C.D., Verbeek, H., Neelavathi, V.N. Radiative electron capture by oxygen ions in single-crystal channels: experiment and theory 9—77658

Appleton, B.R., White, C.W., Larson, B.C., Wilson, S.R., Narayan, J. Laser processing of ion implanted silicon 9—52255

Appleton, B.R. *see* Clark, G.J. 9—60396

Appleton, B.R. *see* Pronko, P.O. 9—100008

Appleton, B.R. *see* Wang, J.C. 9—69148

Appleton, B.R. *see* White, C.W. 9—82254, 9—86805

Appleton, B.R. *see* Wilson, S.R. 9—52256, 9—69135, 9—73204

Aprasyukhin, A.I. *see* Tsaune, A.Ya. 9—54990

Apresyan, L. Equations for the average values of stochastic linear operators which depend on Markov random processes 9—71233

Apruzzese, J. *see* Duda, E. 9—98368

Apsel, D. Gravitational, electromagnetic, and nuclear theory 9—71677

Apsel, D. Gravitation and electromagnetism 9—85028

Apsel, R. *see* Wiggins, R.A. 9—88296

Apshev, S.Zh., Tsagova, L.E., Nikol'skii, S.I., Stamenov, I.N., Kostin, A.I., Binogerov, A.Kh. Low-energy hadrons in extensive air showers 9—80165

Apsley, N., Yoffe, A.D. The use of ion bombardment in the study of amorphous semiconductors 9—65125

Apt, J., Goody, R. Anomalous features in thermal radiance maps of Venus 9—101102

Apte, N. *see* Guha, S. 9—60875, 9—69561

Aptekar', I.L. *see* Abdikamalov, B.A. 9—95333

Aptekar', I.L. *see* Rashchupkin, V.I. 9—69421

Aptekar', I-L., Tonkov, E.Yu. Second critical point on the isomorphous transition curve of SmS-base alloys 9—95334

Aptekar', L.I. *see* Abramenko, Yu.E. 9—87633

Aptekar', R.L. *see* Gur'yan, Yu.A. 9—97480

Aptekar', R.L. *see* Mazets, E.P. 9—58449, 9—88765, 9—88766

Aquilano, D. *see* Rubbo, M. 9—86728

Aquilanti, V., Lagana, A. On the computation of eigenenergies for potentials with a Coulomb tail 9—58560

Ara, G., Basu, B., Coppi, B. Influence of ion-ion collisions and kinetic effects on minidisruptions of confined plasmas 9—60178

Arabei, B.G., Glukhov, V.A. Phase diagram of the system Cr-B 9—78931

Arabei, S.M. *see* Shkirman, S.F. 9—85994

Arabei, V.I. Standardization of methods of testing the resistance of medical equipment to mechanical action 9—92403

Arabie, P. *see* Soli, S.D. 9—86308

Arafa, A., Fisch, N., Hahne, E. A parametric investigation on flat-plate solar collectors 9—62045

Arafa, S. *see* Botrous El Badramany, N.M. 9—78099

Aragon, P.J. *see* Baron, C.E. 9—87758

Aragone, C., Deser, S. Consistency problems of hypergravity 9—93023

Aragone, C., Restuccia, A. The Baker-Campbell-Hausdorff formula for the chiral SU(2) supergroup 9—49414

Arai, E., Takahashi, T., Kato, J. High-resolution measurements of analogue states in ^{55}Co 9—85431

Arai, E. *see* Murota, J. 9—55773

Arai, G. *see* Hamano, H. 9—83447

Arai, I. *see* Ikeda, H. 9—58967

Arai, I. *see* Maruyama, K. 9—63484

Arai, K. *see* Takeda, T. 9—63717

Arai, K. *see* Tsuya, N. 9—73876

Arai, K.I. *see* Tsuya, N. 9—73794

Arai, K.-I. *see* Tsuya, N. 9—83151

Arai, M. *see* Kasahara, J. 9—55767

Arai, O., Tazawa, Y., Shimamura, T., Kobayashi, K. Isotopic fractionation of magnesium sputtered by 2 keV He^+ ions 9—87542

Arai, S., Suematsu, Y., Itaya, Y. 1.67 μm $Ga_{0.47}In_{0.53}As$/InP DH lasers double cladded with InP by LPE technique 9—50314

Arai, S. *see* Itaya, Y. 9—94249

Arai, S. *see* Kawanishi, H. 9—98387

Arai, S. *see* Oka, T. 9—68305

Arai, S.F. *see* Cohen, D. 9—74713

Arai, T., Yabumoto, T. Mechanisms of the increase in the laser power by the addition of iodine in a positive column He-Cd^+ laser 9—98346

Arai, T. *see* Iliev, M. 9—78660, 9—95781

Arai, T. *see* Kitahara, T. 9—99447

Arai, T. *see* Ohga, T. 9—49837

Arai, T. *see* Onari, S. 9—87449

Arai, T. *see* Wakabayashi, S. 9—68378

Arai Ken Ichi *see* Ken Ichi Arai

Araimo, L., De Candia, F., Vittoria, V., Peterlin, A. Mechanical and transport properties of drawn low-density polyethylene 9—74210

Arajs, G.A., Harris-Lowe, R.F., Turkington, R.R. Dissipation in the superfluid helium film at various temperatures 9—51377

Arajs, S. *see* Kemeny, T. 9—73750, 9—94906

Arajs, S. *see* New, D.A. 9—73484

Arakai, G., Igei, R. Periodic wake behind a circular cylinder 9—94626

Arakawa, E.T. *see* Haltom, T.L. 9—65940

Arakawa, E.T. *see* Williams, M.W. 9—78640, 9—99954

Arakawa, H. *see* Shin, S. 9—78675

Arakawa, I., Kobayashi, M., Tuzi, Y. Effects of thermal spikes on the characteristics of cryosorption pumps with condensed carbon dioxide layers 9—80635

Arakawa, K. *see* Okazaki, K. 9—98652

Arakawa, K. *see* Sawa, G. 9—91374

Arakawa, M. Electron paramagnetic resonance investigation of phase transition in $RbCdF_3$ 9—61206

Arakawa, M. Electron paramagnetic resonance of Gd^{3+} centers in $RbCdF_3$ 9—91289

Arakawa, M., Ebisu, H. Electron paramagnetic resonance investigation of successive phase transitions in $KCdF_3$ 9—65717

Arakawa, M., Ebisu, H., Yosida, T., Horai, K. Electron paramagnetic resonance studies of Gd^{2+} in $KZnF_3$ and $KCdF_3$ 9—65725

Arakawa, M. *see* Yosida, T. 9—65718

Arakawa, T., Takata, T., Adachi, G.-Y., Shiokawa, J. Luminescence properties of Eu ion-exchanged Y-type zeolite 9—83017

Arakawa, T., Takeda, S., Adachi, G., Shiokawa, J. Catalytic properties of compounds between the rare earths and copper oxide 9—66350

Arakcheeva, A.V. *see* Korzhuev, M.A. 9—73515

Arakelov, A.G., Arbuzov, V.L., Vladimirov, A.B., Votinov, S.N., Danilov, S.E., Domanskii, D.E., Klotsman, S.M., Nikolev, A.L., Pavlov, V.A., Rozenblat, A.M., Trakhtenberg, I.Sh. Redistribution of impurity atoms of S in Ni under high temperature irradiation by electrons 9—82256

Arakelyan, A.R., Arutyunyan, G.A., Gabrielyan, R.G., Kocharyan, L.A., Mkrtchyan, A.R., Nadzharyan, G.N. Oscillation of the Mossbauer absorption spectrum with acoustic modulation 9—87345

Arakelyan, A.R. *see* Mkrtchyan, A.R. 9—61277

Arakelyan, M.M., Khachatryan, A.A. To the nonlinear theory of sound wave propagation under the dimensional quantization condition 9—76904

Arakelyan, S.M., Arushanyan, L.E., Nshanyan, M.A., Chillingaryan, Yu.S. Thermal excitation of a cylindrical domain structure in a nematic liquid crystal 9—73097

Arakelyan, V.B. *see* Abidor, I.G. 9—70531

Arakelyan, V.B. *see* Chernomordik, L.V. 9—92161

Arakelyan, Zh.A. *see* Akhumyan, A.A. 9—89878

Araki, H. On the Kubo-Martin-Schwinger boundary conditions 9—75443

Araki, K. *see* Iwasa, I. 9—56016

Araki, M. *see* Hattori, M. 9—50565

Araki, M. *see* Miyoshi, T. 9—77004

Araki, T., Asakura, T. Edge images under illumination of partially coherent light 9—89981

Araki, T. *see* Kikuta, Y. 9—52377

Araki, T. *see* Noguchi, S. 9—74630

Arakita, Y., Hirayama, H., Inagaki, T., Miyajima, M. Study of an iron beam stop for 500 MeV protons 9—85850

Aralov, A.D., Yudaev, B.N. Influence of induced turbulence on the hydrodynamics of a wall boundary layer 9—59970

Aramaki, S. *see* Sato, J. 9—66824

Aramaki, S. *see* Sato, K. 9—66696

Aramu, F., Maxia, V., Spano, G. Kinetics of the thermoluminescence build-up in calcium fluoride 9—65936

Arandes, J.H. *see* Grade, J.S. 9—79383

Arandjelovic, V., Miljkovic, Lj., Tjapkin, D. The numerical analysis of anomalous doping profiles of phosphorus in silicon 9—73206

Arango, I. *see* Grant, W.P. 9—88310

Aranibar, A. *see* Pfurtscheller, G. 9—96531

Aranovich, G.L. Combinatorial-statistical topology of films with pores and islands 9—56096

Aranovich, G.L., Vishnyakov, B.A. Kinetic equation of adsorption under conditions of electron bombardment 9—77893

Aranovich, J. *see* Fahrenbruch, A.L. 9—74523

Aranovitch, E. The joint solar collector testing programme of the European Community 9—62057

Aranovitch, E., Le Det, M., Roumengous, C. Experiments in solar space heating and cooling for moderately insolated regions 9—57457

Araoka, O. *see* Ishihara, N. 9—85860

Arapov, U.G., Ponikarov, B.B., Tsidilkovski, I.M. A study of acceptor states in $Hg_{0.85}Cd_{0.15}Te$ 9—82560

Arapov, Yu.G., Davydov, A.B. Waveguide methods of measuring the electrical parameters of semiconductors at microwave frequencies (review) 9—93170

Arapova, E.Y., Glushko, A.A., Timofeev, Y.P., Fridman, S.A., Shcherbakov, I.A., Chukova, Y.P. IR excitation spectra of visible emitting phosphors doped with Yb^{3+} and Er^{3+} 9—52021

Arapova, I.A. *see* Khodos, M.Ya. 9—99333

Aras, N.K. *see* Erten, H.N. 9—97735

Arashi, H., Sakurai, T., Badie, J.M., Rouanet, A., Foex, M. High temperature studies of phase diagram for the system ZrO_2-ThO_2 by using phase segregation, X-ray diffraction and thermal analysis 9—70049

Arasly, D.G. *see* Aliev, S.A. 9—51616

Arata, N. *see* Filho, J.B. 9—58989, 9—58992, 9—63561

Arata, Y., Ozawa, H., Ogino, T., Fujiwara, S. Correlation NMR spectroscopy and its applications 9—49262

Arato, P. *see* Stefan, M. 9—91687

Araujo, C.B.de *see* de Araujo, C.B.

Araujo, R.L.C. *see* Hamza, V.M. 9—74487

Aravamudan, K.S., Harris, W.L. Low-frequency broadband noise generated by a model rotor 9—90057

Aravamudhan, S., Haeberlen, U., Irngartinger, H., Krieger, C. Pyromellitic acid dianhydride: crystal structure and anisotropic proton magnetic shielding 9—87326

Arazov, G.T., Gabibov, S.A. The intermediate orbit of resonance asteroids of the Hecuba family constructed on the basis of solution of the internal variant of the generalized problem of the three fixed centres 9—84726

Arbabi, M. *see* Kemp, J.C. 9—84801

Arber, S.L. Conditions for obtaining biological effects with microwaves 9—83851

Arbib, H.A., Goldman, Y., Manheimer Timnat, Y. The influence of pressure on combustion intensity 9—66297

Arbit, I.I. *see* Mel'kanovich, A.F. 9—98581

Arbuzov, M.P., Bugaichuk, N.T., Khaenko, B.V. Structure features of the γ-phase in the V-O system 9—51063

Arbuzov, M.P., Chuprina, V.G. Oxidation of the compound NiTa 9—96221

Arbuzov, V.K. *see* Zakharov, A.M. 9—52167

Arbuzov, V.L. *see* Arakelov, A.G. 9—82256

Arbuzov, Yu.D., Evdokimov, V.M. On the static conductivity of a heavily doped semiconductor 9—56213

Arbuzova, I.A., Koval', Yu.N., Musienko, R.Ya., Khandros, L.G. Peculiarities in the reverse martensite transformation and the memory effect in Fe-Ni-Ti alloys 9—87627

Arbuzova, T.I. *see* Samokhvalov, A.A. 9—69715

Arcan, L. *see* Voloshin, A. 9—96111

Arch, D. *see* Stassis, C. 9—60447

Archbold, E., Ennos, A.E., Virdee, M.S. Speckle photography for strain measurement—a critical assessment 9—86389

Archer, J.W. TE_{201}-mode filters for the VLA circular waveguide system 9—66922

Archer, L.G., Littlechild, J.E., Watson, R.H. Short term irradiation behaviour of controlled porosity fuel 9—49686

Archer, M.D., Ferreira, M.I.C., Albery, W.J., Bowen, W.R. Photogalvanic cells 9—52691

Archer-Hall, J.A., Bashter, A.I., Hazelwood, A.J. A means for computing the Kirchhoff surface integral for a disk radiator as a single integral with fixed limits 9—86275

Archetti, F. The application of a global optimization method to some technological problems 9—59840

Archie, C.N., Alvesalo, T.A., Bethold, J.E., Reppy, J.D., Richardson, R.C. Pressure dependence of the superfluid density in ^{3}He-B 9—51358

Archie, C.N., Alvesalo, T.A., Reppy, J.D., Richardson, R.C. Normal fluid density of liquid ^{3}He-B 9—82408

Archie, C.N. *see* Alvesalo, T.A. 9—51360

Archilla, B. *see* Mathieu, H. 9—69854

Archilla, B. *see* Merle, P. 9—82996

Archirel, P., Barbier, C. Zero overlap approximation in NMR coupling constant theory revisited 9—50047

Archuleta, R.J. *see* Brabb, E.E. 9—88273

Archuleta, R.J. *see* Brune, J.N. 9—84153

Archuletta, M.D. *see* Breton, P.J. 9—80723

Arcidiacono, G. 'Projective relativity' and magnetohydrodynamics 9—85030

Arcipiani, B., Pedretti, E. Some generalizations on the activation in intermittent flux with multiple decay 9—76314

Arcone, S.A. Investigation of a VLF airborne resistivity survey conducted in northern Maine 9—84093

Arcos, J.M.Los *see* Los Arcos, J.M.

Arculus, R.J. *see* Johnson, R.W. 9—88329

Ard, W.B. *see* Jaeger, E.E. 9—98956

Ardai, J.L., Jr. *see* Jacobs, S.S. 9—88363

Ardasheva, M.M., Ryzhkova, M.V. The use of liquid crystals in an aerodynamic heating test 9—77299

Ardeberg, A., Maurice, E. On the spectrographic and photometric data for the brightest stars in the Small Magellanic Cloud 9—101147

Ardeberg, A., Maurice, E. Structure and kinematics of the Small Magellanic Cloud as outlined by its brightest stars 9—101192

Ardeberg, A., Virdefors, B. Solar line blocking for λλ4006-6860 9—58306

Ardelean, I., Mieskes, W. Diffuse reflectance spectra of $xFe_2O_3.(1-x)[3B_2O_3.PbO]$ glasses 9—51982

Ardelean, I. *see* Burzo, E. 9—78597, 9—91325

Ardelean, I. *see* Kelemen, F. 9—60561

Ardeleanu, F. *see* Maruta, A. 9—83647

Ardell, A.J., Mardesich, N., Wagner, C.N.J. Antiphase domain growth in Cu_3Au: quantitative comparison between theory and experiment 9—77606

Ardell, A.J. *see* Ajaja, O. 9—60428, 9—61675

Ardell, A.J. *see* Pinizzotto, R.F., Jr. 9—51164

Ardell, L.A. *see* Sparks, D.W. 9—50529

Ardenne, A.van *see* van Ardenne, A.

Ardill, R.W.B., Moriarty, K.J.M. Accurate Bessel functions $J_n(z)$, $Y_n(z)$, $H_n^{(1)}(z)$ and $H_n^{(2)}(z)$ of integer order and complex argument 9—63004

Arditti, M. *see* Schaefer, S. 9—100755

Ardonceau, P. *see* Thiebaut, P. 9—77166

Ardouin, D. *see* Lebrun, C. 9—54390

Ardouin, D. *see* Vergnes, M.N. 9—54392

Ardran, G.M. The application and limitation of the use of X-rays in medical diagnosis 9—79643

Ardran, G.M., Crooks, H.E. The value of conventional eyeglasses for X-ray protection 9—88202

Arecchi, F.T., Bassan, M., Jacobs, S.F., Molesini, G. MTF measurement via diffraction shearing with optically superimposed gratings 9—64366

Arecchi, F.T., Politi, A. Generalized Fokker-Planck equation for a nonlinear Brownian motion with fluctuations in the control parameter 9—75456

Aref'ev, A.V., Karmanov, V.A., Kondratyuk, L.A., Leksin, G.A., Suchkov, D.A., Khasanov, F.M. Study of the backward Δ^--isobar production mechanism in reaction $\pi^-+d\rightarrow p+\Delta^-$ at high energy 9—97637

Aref'ev, K.P., Vorob'ev, S.A., Grishin, A.N., Klimov, V.N., Shaposhnikov, A.G., Tsoi, A.A., Etin, G.I. Positron annihilation study of the behavior of silicon in epitaxial gallium arsenide 9—51530

Aref'ev, K.P., Vorob'ev, S.A., Kuznetsov, Yu.N., Markova, T.I., Pogrebnyak, A.D., Prokop'ev, E.P., Khashimov, F.R. Interaction of positrons with dislocations in n-type GaAs semiconductors 9—99974

Aref'ev, K.P. *see* Zavadovskaya, E.K. 9—95875

Aref'ev, N.B., Burshtein, M.L., Zarubailo, V.T., Markov, V.I., Osherovich, A.L. Absolute spectral sensitivity of photomultipliers in the photon-counting mode 9—67383

Aref'ev, V.P. *see* Baranova, R.V. 9—51066

Aref'ev, V.P. *see* Zavadovskaya, E.K. 9—95875

Aref'eva, I.Y. Phase transition in the three-dimensional chiral field 9—49365

Aref'eva, I.Ya. Diagram technique for the low-temperature phase in the chiral field model 9—58882

Aref'eva, I.Ya. Wilson expansion for chiral field 9—71644

Aref'eva, I.Ya. The gauge field as chiral field on the path and its integrability 9—97492

Aref'eva, K.I. *see* Buzhinskii, I.M. 9—50367

Aref'yev, K.M., Borishanskiy, V.M., Remarchuk, B.F. Correlation of data on coefficients of diffusion of metal vapors in gases 9—77330

Arenas, A., Herranz, A. Dimensional analysis of heat transmission in a boundary layer 9—59906

Arend, H. *see* Barberis, D. 9—78507

Arend, H. *see* Kind, R. 9—99313

Arend, H. *see* Lefaucheux, F. 9—87572

Arend, P.V. *see* Tanabe, J. 9—76233

Arends, J., Eyink, J., Hegerath, A., Hartmann, H., Mecking, B., Noldeke, G., Rost, H. Experimental investigation of the ^{4}He(γ,p)^{3}H reaction in the Δ-resonance region 9—75971

Arendt, F., Katheder, H. Cryogenic design and performance of two quadrupoles used in the CERN hyperon-beam 9—54220

Arendt, R.H., Rosolowski, J.H., Szymaszek, J.W. Lead zirconate titanate ceramics from molten salt solvent synthesized powders 9—78920

Arendzikowski, R. *see* Antonowicz, D. 9—68950

Arenhovel, H. Exchange currents and isobar configurations in nuclei 9—93526

Arenhovel, H., Fabian, W. Electro- and photodisintegration of deuterium 9—71840

Arenhovel, H., Fabian, W., Craver, B.A., Kim, Y.E. The neutron electric form factor and quasi-elastic electron-deuteron scattering 9—67563

Arenhovel, H. *see* Drechsel, D. 9—71818

Arenhovel, H. *see* Simon, G.G. 9—93418

Arens, J.F., Balasubrahmanyan, V.K., Ormes, J.F., Siohan, F., Schmidt, W.K.H., Simon, M., Spiegelhauer, H. An instrument to measure the spectrum of cosmic ray iron and other nuclei to above 100 GeV/nucleon 9—58249

Arens, M. *see* Debrunner, H. 9—62685

Arenson, H.M. *see* Mohapatra, S.N. 9—70601

Areshkin, A.G., Zhitar', V.F., Radautsan, S.I., Railyan, V.Ya., Suslina, L.G. Direct excitons in cadmium thiogallate 9—90972

Areshkin, A.G. *see* Suslina, L.G. 9—73449

Areskoug, M. *see* Andersson, G. 9—76311

Aresti, A., Manca, P., Spiga, A. On the nature of grinding-induced states in gap in semiconductors 9—61040

Arestov, Y. *see* Cochet, C. 9—80854

Arev, I.A., Dyadyusha, G.G. Influence of vibronic interaction in molecules on the change in their electronic spectra under the influence of a solvent 9—54839

Arezzo, J., Legatt, A.D., Vaughan, H.G., Jr. Topography and intracranial sources of somatosensory evoked potentials in the monkey. I. Early components 9—96533

Arfel, G. *see* Comar, D. 9—83730

Argan, P., Audit, G., Bloch, A., de Botton, N., Faure, J.L., Schuhl, C., Tamas, G., Tzara, C., Vincent, E., Deutsch, J., Favart, D., Prieels, R., Van Oystaeyen, B. π^+ photoproduction near threshold on ^{3}He 9—89291

Argan, P., Audit, G., Bloch, A., de Botton, N., Schuhl, C., Tamas, G., Tazara, C., Vincent, E., Deutsch, J., Favart, D., Prieels, R., Van Oystaeyen, B. Photoproduction measurement of π^+ near threshold on ^{3}He and ^{2}H 9—85453

Argan, P., Audit, G., de Botton, N., Faure, J.L., Schuhl, C., Tamas, G., Tzara, C., Vincent, E., Deutsch, J., Favart, D., Prieels, R., Van Oystaeyan, B. Measurement of π^0 photoproduction near threshold on light nuclei 9—85454

Argarwal, R.P. *see* Storey, C. 9—94540

Argentiero, P., Lowrey, B. A comparison of satellite systems for gravity field measurements 9—53298

Argon, A.S., Hawkins, G.W., Kuo, H.Y. Reinforcement of mortar with Metglas fibres 9—70159

Argon, A.S., Kuo, H.Y. Plastic flow in a disordered bubble raft (an analog of a metallic glass) 9—91745

Argon, A.S. *see* Chen, I.W. 9—61643, 9—61644

Argon, A.S. *see* Megusar, J. 9—57057

Argon, A.S. *see* Takeuchi, S. 9—99194

Argon, A.S. *see* Yung Y. Liu 9—93699

Arguello, R.J., Grey, L.D., Tobin, E.D. Evaluation of optical instruments using target detection 9—94378

Argyres, E.N., Lam, C.S. Physical mechanism for quark confinement via pseudoparticles 9—49463

Argyris, J.H., Dunne, P.C. Post-buckling finite element analysis of circular cylinders under end load 9—98640

Argyris, J.H., Johnsen, T.L., Mlejnek, H.-P. On accurate stress calculation in static and dynamic problems using the natural factor approach 9—94490

Ari-Gur, P., Bratt, Z., Grandon, D.G. Texture inhomogeneity in shear-spun steel tubes 9—91691

Arianer, J., Cabrespine, A., Goldstein, Ch., Deschamps, G. CRYEBIS, a multi-purpose EBIS for the synchrotron Saturne II 9—72166

Ariaratnam, S.T., Srikantaiah, T.K. Parametric instabilities in elastic structures under stochastic loading 9—68582

Ariaratnam, S.T., Tam, D.S.F. Random vibration and stability of a linear parametrically excited oscillator 9—64491

Arias, A. Pressureless sintered SiAlON with low amounts of sintering aid 9—66029

Arias, A.Gonzalez *see* Gonzalez Arias, A.

Arias, P.M.Mejias *see* Mejias Arias, P.M.

Arie, M. *see* Kiya, M. 9—59987

Arie, Y. *see* Gittleman, J.I. 9—56876

Ariel, P.D., Aggarwala, B.D. The effect of a general oblique magnetic field on Rayleigh-Taylor instability 9—94591

Ariel, Z. *see* Bettelheim, F.A. 9—79459

Arieli, A., Mukherjee, A.K. 'On concurrent grain growth and deformation mechanism in region I for superplastic Zn-22% Al eutectoid alloy' 9—74222

Arifov, L.Ya., Mazitov, B.S., Ulanov, V.G., Yusupbekova, S.A. Measurement of the relative probabilities of excitation of isomer states during radiative capture of thermal neutrons 9—75814

Arifov, P.A., Sirazhiddinov, N.A. Elastic and electric properties of solid solutions of the system $SrGa_2Si_2O_8$-$SrGa_2Ge_2O_8$ 9—96057

Ariga, I. *see* Koyama, H. 9—81841

Ariga, M. *see* Miyamoto, Y. 9—78498

Ariga, T. *see* Nakagawa, M. 9—78991

Arii, K., Kitani, S., Kawamura, M. Avalanche breakdown in n-hexane 9—55449

Arikawa, T., Kaneko, S. Computer simulation of Hadamard beam spectroscopy 9—93254

Arikawa, Y. *see* Ootsuka, K. 9—83683

Arikura, H. *see* Kohsaka, M. 9—88165

Arima, A., Seki, R., Yazaki, K., Kume, K., Ohtsubo, H. An analysis of $^{18}O(\pi^\pm,\pi^{\pm\prime})^{18}O(2^+,$ 1.98 MeV) reaction with microscopic form factors 9—85549

Arima, A. *see* Sagawa, H. 9—75899

Arima, A. *see* Tonozuka, I. 9—75926

Arima, J., Iwai, Y. X-ray investigation of stress measurement on heat resisting materials (on the X-ray elastic constants of nickel base alloy) 9—66092

Arimizu, N. *see* Katsulai, H. 9—92338

Arimizu, T. *see* Sagara, N. 9—57992

Arimondo, E., Glorieux, P. Saturated absorption experiments on a dressed molecule: application to the spectroscopy of the ν_6 band of CH_3I 9—54844

Arimondo, E., Inguscio, M. The rotation-vibration constants of the $^{12}CH_3F$ ν_3 band 9—64118

Arimondo, E., Lew, H., Oka, T. Deflection of a Na beam by resonant standing-wave radiation 9—98056

Arimoto, N., Saio, H. Age differences among globular clusters 9—80340

Arimoto, S., Shimizu, H. A system-theoretic study of the hydrologic cycle in the basin of Lake Biwa 9—53400

Arin, K. Several intact or broken stringers attached to an orthotropic sheet with a crack 9—50647

Arinkin, F.M., Batyrbekov, G.A., Gizatulin, Sh.Kh., Sobolev, Yu.A. Reactor testing of control systems for loop-channel parameters 9—97835
Arino, H. *see* Skraba, W.J. 9—49885
Arioka, M., Kokubo, T., Tashiro, M. Bubble formation during unidirectional solidification of a $Li_2O.2SiO_2$ melt 9—70057
Aripov, G., Sirazhet, Kh., Mamurov, A., Tazhiev, N. Element determination by radiative neutron capture 9—79358
Aripov, T.F. *see* Ibragimov, B.T. 9—94993, 9—94997
Aris, R. *see* Lauffenburger, D. 9—96525
Arisaka, I., Nakagawa, K., Wada, M. On a solitary wave exchange potential 9—71617
Arisawa, J., Furukawa, T. Characteristics of Millipore-DOPH model membrane and mechanism of membrane potential oscillation 9—57603
Ariskin, V.I. Anomalous radio emission of excited hydrogen 9—80361
Arista, N.R. *see* Brandt, W. 9—87523
Aristov, A.V., Kozlovskii, D.A., Staselko, D.I., Strigun, V.L. Acoustooptical distortions induced by pump lamp radiation in ethanol and water dye solutions 9—73898
Aristov, A.V., Levin, M.B., Cherkasov, A.S. Lasing power of dye lasers under radially nonuniform lamp pumping 9—64220
Aristov, A.V., Maslyukov, Yu.S. Accumulation and deactivation of the molecules of organophosphors in the triplet state as a function of excitation conditions 9—85982
Aristov, A.V., Maslyukov, Yu.S. Reversible induced absorption spectra of 4-amino-N-methylphthalimide in binary solvents 9—98117
Aristov, A.V., Shevandin, V.S. Short-wavelength luminescence of rhodamine solutions 9—78738
Aristov, A.V., Viktorova, E.N., Kozlovskii, D.A., Snegov, M.I., Cherkasov, A.S. Luminescence parameters of rhodamines and phthalimides in ordinary water and heavy water containing detergent 9—56836
Aristov, A.V. *see* Shevandin, V.S. 9—64055
Aristov, E.M., Yuras, S.F. Assessing feasibility of using laser Doppler anemometer to measure flow rate and quantity of liquids 9—98832
Aristov, V.V. *see* Pronina, L.N. 9—70083
Aristova, I.M., Kuz'min, S.L., Likhachev, V.A., Myshlyaev, M.M., Nikonov, Yu.A. Superplasticity of aluminium bronze in torsion 9—74200
Aristova, N.M. *see* Kucherenko, L.A. 9—56973
Arisue, H. Radially excited states of charmonium and 'small Q-value channel dominance' in their decays 9—54335
Arita, K. *see* Taoka, T. 9—70259, 9—100320
Arita, M., Kinaka, R., Someno, M. Application of the metal-hydrogen equilibration for determining thermodynamic properties in the Ti-Cu system 9—77772
Arita, S., Kariya, T., Matsuda, H. Stochastic model for the process of regeneration of nerve fibers passing through the site of nerve suture 9—83740
Aritomi, N. Research on the brittleness of electron-beam melted molybdenum 9—61728
Arizmendi, L. *see* Rodriguez de Avila, C. 9—98671
Arizumi, T. Some aspects of the epitaxial vapour growth of semiconductors: elements, III-V compounds and alloys 9—69997
Arkatova, T.G., Vorob'ev, V.G., Kut'eva, T.G., Mikhailov, B.A. Use of optical materials as comparison samples for reflection measurement 9—71512
Arkell, D.R. *see* Williams, T.M. 9—66063
Arkhangel'skii, G.E., Bukke, E.E., Voznesenskaya, T.I., Gorbacheva, N.A., Grigor'ev, N.N., Fok, M.V. Texture of synthetic ZnS crystals 9—60389
Arkharov, V.I., Drachinskii, A.S., Naumkin, O.P., Samoilenko, Z.A., Trefilov, V.I. The effect of the structural state of grain boundaries on high-temperature plasticity of tungsten with impurities 9—79057
Arkharov, V.I. *see* Novokhatskii, I.A. 9—91628
Arkhimov, Yu.N. *see* Vasil'eva, R.P. 9—91030
Arkhipenko, D.K., Bokii, G.B. Refinement of the space group of alunite-jarosite by means of vibrational spectroscopy 9—94981
Arkhipenko, V.I., Barkov, Yu.D., Bashtovoi, V.G. Shape of a drop of magnetized fluid in a homogeneous magnetic field 9—76544
Arkhipov, V.A., Ratanov, G.S., Trofimov, V.F. Experimental investigation of the interaction of colliding droplets 9—68768
Arkhipov, V.E. *see* Karkin, A.E. 9—91024
Arkhipov, V.I., Rudenko, A.I. Negative injection conductivity of semiconductors 9—69517
Arkhipov, V.I., Rudenko, A.I., Iovu, M.S., Shutov, S.D. An analysis of the dispersive charge transport in vitreous 0.55 As_2S_3:0.45 Sb_2S_3 9—95418
Arkhipov, V.I. *see* Rudenko, A.I. 9—91048
Arkhipov, V.M., Parshin, P.F. New procedure for measuring absorption by means of a Fourier spectrometry method 9—49300
Arkhipov, V.M. *see* Parshin, P.F. 9—97425
Arkhipov, V.V. Fast-scanning Fourier spectrometer with electrodynamic drive 9—75630
Arkhipov, V.V. *see* Sharov, E.M. 9—80705
Arkhipov, Yu.N. *see* Vasil'eva, R.P. 9—91017
Arkhipova, T.A., Vygon, V.G., Kuptsova, G.Z., Edel'shtein, Yu.G. Effect of multielectron scintillations and background illumination on the detection characteristics of electron-optical converters 9—72686
Arkhipova, T.A., Vygon, V.G., Kuptsova, G.Z., Potapov, A.M., Edel'shtein, Yu.G. Study of the multielectron scintillations of an electron-optical converter under background illumination conditions 9—72695
Arkhipova, V.P., Esipov, V.F. NGC 6240=VV 617—interacting galaxy of Seyfert type with strong reddening 9—58426
Arkhipova, V.P., Esipov, V.F. Radial velocities of some interacting and peculiar galaxies 9—80358
Arkhipova, V.P., Lozinskaya, T.A. The exciting star of the nebula near γ Cyg is found 9—97003
Arko, A.J., Lowndes, D.H. dHvA studies of A-15 superconductors at H≤40 T 9—73424
Arko, A.J., Lowndes, D.H., Muller, F.A., Roeland, L.W., Wolfrat, J., Mueller, F.M., Webb, G.W. dHvA effect in the normal state of the high T_c A-15 superconductors Nb_3Sn and V_3Si 9—56116
Arko, A.J., Lowndes, D.H., Van Kessel, A.T., Myron, H.W., Mueller, F.M., Muller, F.A., Roeland, L.W., Wolfrat, J., Webb, G.W. Fermi surface and dHvA effect in the normal state of high T_c A-15 superconductors 9—65369
Arkusha, Yu.V., Prokhorov, E.D. Effect of inertia of intervalley redistribution of electrons in GaAs on the measurement of the V(E) relationships by microwave method 9—82621
Arles, L. *see* Otter, C. 9—99525
Arlinger, S.D. *see* Jerlvall, L.B. 9—92238
Arlot, J.-E., Morando, B., Thuillot, W. On the observations of the mutual phenomena of the Galilean satellites in 1979 9—80266
Arlotti, L. On the maximisation of the entropy of degree β in the discrete case 9—93082
Arlotti, L., Graffi, S.D. The Boltzmann distribution in the distribution limit 9—93083
Arlt, K. *see* Byl, J. 9—62425
Armaganyan, A.A. *see* Avakyan, R.O. 9—59051, 9—75970
Arman, M. *see* Sadler, M.E. 9—85328
Armand, A., Sawchuk, A.A., Strand, T.C., Boswell, D., Soffer, B.H. Real-time nonlinear optical processing with liquid crystal devices 9—76868
Armand, G., Lapujoulade, J., Manson, J.R. Hard corrugated wall potential: numerical calculation of diffracted peak intensities for any type of corrugation 9—61486
Armand, G., Manson, J.R. Scattering from a corrugated hard wall: comparison of boundary conditions 9—74040
Armand, G. *see* Lapujoulade, J. 9—95892
Armand, G. *see* Manson, J.R. 9—61485
Armand, L., Bouillot, J.L., Gaudart, L. Photoionization coefficient of thin calcium films 9—91569
Armanet, F., Vejux, A., Moulin, P., Huntz, A.M., Beranger, G. Study of the oxidation behaviour of alloy Ni-Cr 80-20 in humid air between 800 and 1250°C 9—79165
Armant, D.L. *see* Opie, W.R. 9—61534
Armantrout, G.A., Miller, D.E., Vindelov, K.E., Brown, T.G. Formation of thin Cu_2S (chalcocite) films using reactive sputtering techniques 9—78885
Armbruster, J. *see* Beaver, J.E. 9—53238
Armbruster, P., Kienle, P. Calibration of the energy transfer for Coulombionization by heavy ions 9—76506
Armbruster, P. *see* Hofmann, S. 9—63636
Armbruster, P. *see* Meyerhof, W.E. 9—49978
Armbruster, P. *see* Munzenberg, G. 9—49893
Armenante, M., Santoro, V., Spinelli, N., Vanoli, F. Electronic hardware for high resolution time-of-flight measurements 9—54997
Armengaud, A. *see* Abenoza, M. 9—99875
Armenise, N., Erriquez, O., Fogilmuciaccia, M.T., Nuzzo, S., Ruggieri, F., Halsteinslid, A., Myklebost, K., Rognebakke, A., Skjeggestad, O., Bonetti, S., Cavalli, D., Pernigoni, M.C., Pullia, A., Rollier, M., Engel, J.P., Escoubes, B., Guyonnet, J.L., Huss, D., Riester, J.L., Schaeffer, M., Allasia, D., Bisi, V., Gamba, D., Marzarichiesa, A., Riccati, L., Romero, A., Bullock, F.W., Henderson, R.C.W., Jones, T.W., Ramzan, F. Charged current elastic antineutrino interactions in propane 9—67533
Armenise, N., Erriquez, O., Fogli-Muciaccia, M.T., Natali, S., Nuzzo, S., Romano, F., Bonneaud, G., Burmeister, H., Carnesecchi, G., Haguenauer, M., Lediberder, F., Matteuzzi, C., Musset, P., Poulard, G., Price, M., Sletten, H., Vialle, J.P., Willutzky, M., Alibran, P., Blondel, A., Bourotte, J., Degrange, B., Gillespie, J., Jacquet, F., Nguyen-Khac, U., Bonetti, S., Cavalli, D., Fiorini, E., Pullia, A., Ragazzi, S., Rollier, M., Zanotti, L., Arnault, C., Blum, D., Heusse, P., Longuemare, C., Lutz, A.M., Pascaud, C., Sleeman, J. Experimental study of the reaction $\nu_\mu + e^- \rightarrow \mu^- + \nu_e$ 9—67536
Armenise, N., Erriquez, O., Fogli-Muciaccia, M.T., Natali, S., Nuzzo, S., Romano, F., Bonneaud, G., Burmeister, H., Carnesecchi, G., Conforto, G., Haguenauer, M., Lundborg, P., Matteuzzi, C., Musset, P., Pattison, B., Poulard, G., Sletten, H., Vialle, J.P., Willutzky, M., Alibran, P., Blondel, A., Bourotte, J., Degrange, B., Gillespie, J., Jacquet, F., Nguyen-Khac, U., Bellotti, E., Bonetti, S., Cavalli, D., Pullia, A., Ragazzi, S., Rollier, M., Zanotti, L., Blum, D., Heusse, P., Longuemare, C., Lutz, A.M., Pascaud, C., Sleeman, J.C. Study of neutrino-induced dimuon events in Gargamelle at CERN SPS 9—93397
Armenise, N., Erriquez, O., Fogli-Muciaccia, M.T., Natali, S., Nuzzo, S., Romano, F., Bonneaud, G., Carnessecchi, G., Haguenauer, M., Lundborg, P., Matteuzzi, C., Musset, P., Pattison, B., Price, M., Vialle, J.P., Willutzky, M., Alibran, P., Blondel, A., Bourotte, J., Degrange, B., Gillespie, J., Jacquet, F., Nguyen-Khac, U., Bellotti, E., Bonetti, S., Dvalli, D., Fiorini, E., Pullia, A., Rollier, M., Zanotti, L., Arnault, C., Blum, D., Heusse, P., Lutz, A.M., Pascaud, C., Sleeman, J. High energy elastic ν_μ scattering off electrons in Gargamelle 9—93398
Armenteros, R. *see* Gurtu, A. 9—49517
Armenteros, R. *see* Mazzucato, M. 9—89148
Armiento, C.A. *see* Donnelly, J.P. 9—95473
Armigliato, A., Desalvo, A., Rinaldi, R., Rosa, R. Application of Monte Carlo technique to the electron probe microanalysis of ternary Si-B-O films on silicon 9—83533
Armington, R.M., Graboys, T.B., Lown, B., Lenson, R. Semiautomated data reduction of ventricular ectopic activity: methodology and clinical application 9—66573
Arminton, A.F. *see* Lipson, H.G. 9—56825
Armirkhanov, Kh.I., Armirkhanova, D.Kh., Zubairuev, R.S. Influence of impurities on thermomagnetic effects in $Zn_xHg_{1-x}Te$ crystals 9—60856
Armirkhanova, D.Kh. *see* Armirkhanov, Kh.I. 9—60856
Armishev, S.V. Rapid action and movements of the eyes during the jump 9—79521
Armitage, B.H., Whitmell, D.S., Tait, N.R.S., Tolfree, D.W.L. The lifetime under irradiation of carbon stripper foils made by cracking hydrocarbons 9—76249
Armitage, B.H. *see* Tait, N.R.S. 9—76240
Armitage, D., Price, F.P. The differential scanning dilatometer and phase transitions in liquid crystals 9—69230
Armitage, J.G.M., Allen, J.F., Toft, M. Dissipation in the superfluid film below 1K 9—51376
Armour, D.G., Van Den Berg, J.A., Verheij, L.K. The structural and compositional analysis of single crystal surfaces using low energy ion scattering 9—87547
Armour, D.G. *see* Evdokimov, I.N. 9—73233
Armour, D.G. *see* Karpuzov, D.S. 9—87549
Armour, D.G. *see* Van den Berg, J.A. 9—49338
Armour, D.G. *see* Verheij, L.K. 9—82424
Armour, I.A. *see* Jelley, N.A. 9—89637
Armour, I.A. *see* Trabert, E. 9—59545
Arms, J.M. Linearization stability of gravitational and gauge fields 9—49142
Armstead, R.L. *see* Crittenden, E.C., Jr. 9—66806
Armstrong, A.C., Brimblecombe, P. A conspectus of computer aided and air-photo interpretation techniques for the study of LANDSAT imagery 9—74976
Armstrong, C.M., Ripin, B.H., Young, F.C., Decoste, R., Whitlock, R.R., Bodner, S.E. Emission of energetic electrons from a Nd-laser-produced plasma 9—98944
Armstrong, C.M. *see* Decoste, R. 9—71952
Armstrong, D.A., Moon, M. Use of ramp threshold feedback for learning of fine muscular control 9—83996
Armstrong, D.D., Emigh, C.R., Hyde, J.C., Meyer, E.A., Schneider, J.D. Tests of the intense neutron source (INS) prototype 9—76220
Armstrong, D.D., Meyer, E.A., Rutkowski, H.L., Schneider, J.D. Progress report on testing of a 100-kV 125-mA deuteron injector 9—67969
Armstrong, D.R., Jamieson, J., Perkins, P.G. Systematic ab initio calculations on one- and three-dimensional polythene 9—95330
Armstrong, D.R., Perkins, P.G. Electronic band structure of magnesium diboride 9—90957
Armstrong, E.C. *see* Soltzberg, L.J. 9—99312
Armstrong, E.R. *see* Baker, C.G.J. 9—60056

Armstrong, G., Greenberg, A.S. Debye behaviour of the thermal conductivity of BCC ^{3}He at very low temperatures 9—56034

Armstrong, J.A., Wynne, J.J., Esherick, P. Bound, odd-parity J=1 spectra of the alkaline earths: Ca, Sr, and Ba 9—54795

Armstrong, J.A. *see* Klynne, J.J. 9—72250

Armstrong, J.W., Woo, R., Estabrook, F.B. Interplanetary phase scintillation and the search for very low frequency gravitational radiation 9—70995

Armstrong, L., Jr., Eberly, J.H. Laser bandwidth effect on two-photon two-channel ionisation in caesium 9—59516

Armstrong, L., Jr. *see* Theodosiou, C.E. 9—59418

Armstrong, N.A., March, G.A., Morton, F.S.S. A simple apparatus for the determination of the crushing strength of granular materials 9—70260

Armstrong, P.R. *see* Karaki, S. 9—57406

Armstrong, R.A. *see* Bradburn, G.R. 9—98156

Armstrong, R.J. *see* Weber, W.J. 9—94144

Armstrong, R.L., Kalechstein, W. Proton spin relaxation spectrum of hydrogen gas at 77.5K 9—72335

Armstrong, R.L. *see* Mintz, D. 9—60472

Armstrong, T. *see* Evangelista, C. 9—75788, 9—80843

Armstrong, T. *see* Sulak, L. 9—59317

Armstrong, T.A., Baccari, B., Belletti, M., Booth, P.S.L., Campbell, P.T., Carroll, L.J., Costa, G., Donald, R.A., Edwards, D.N., Evangelista, C., Frame, D., French, B.R., Geer, S.H.P., Girtler, P., Ghidini, B., Hughes, I.S., Jackson, J.N., Konigs, E., Lynch, J.G., Mandelli, L., Mattig, P., Miller, D.H., Minto, P.W., Mitaroff, W.A., Muller, K., Otter, G., Palano, A., Pensotti, S., Perini, L., Pinfold, J., Range, W.H., Richardson, J.A., Rudolph, G., Saleemi, F., Scott, L., Schlutter, H., Stewart, D.T., Tamborini, M., Thompson, A.S., Turnbull, R.M., Woodworth, P.L., Zito, G. A high statistics search for the $\bar{p}p\pi^-$ mass enhancement at 2.95 GeV 9—85344

Armstrong, T.J., Chaffin, D.B., Foulke, J.A. A methodology for documenting hand positions and forces during manual work 9—74803

Armstrong, W.W., Gecsei, J. Architecture of a tree-based image processor 9—72524

Arnal, D., Cortet, J.-C. Geometrical theory of contractions of groups and representations 9—58566

Arnal, D., Juillen, J.-C. Hot wire signal conditional sampling techniques for transition intermittency studies 9—77066

Arnault, C. *see* Armenise, N. 9—67536, 9—93398

Arnbak, J. The use of piecewise homogeneous ground models for computing sky-wave mixed-path loss and antenna elevation patterns 9—66774

Arnberg, L., Hovmoller, S., Westman, S. On the significance of 'non-significant' reflexions 9—50936

Arndt, E., Biele, B., Kirch, N., Sarlos, G., Schloesser, J. HHT demonstration power plant 9—97758

Arndt, E.R. *see* Jonas, J. 9—51869

Arndt, G.D., Leopold, L. Environmental considerations for the microwave beam from a solar power satellite 9—52896

Arndt, K.-F., Hausler, K.G. Determining the features of polymers by turbidimetric titrations using the SPEKOL spectrocolorimeter 9—79301

Arndt, R., McClung, R.E.D. Vibrational and rotational relaxation of cyclohexane in the pure state and in solution 9—82969

Arndt, R. *see* Evans, M.W. 9—99876

Arndt, R. *see* Schollhorn, R. 9—91961

Arndt, R.A., Cammarata, J.B., Goradia, Y.N., Hackman, R.H., Teplitz, V.L., Dicus, D.A., Aaron, R., Longacre, R.S. Isobar production in $\pi^-p \rightarrow \pi^+\pi^-n$ near threshold 9—93456

Arndt, R.A. *see* Goradia, Y. 9—63519

Arndt, R.E.A. *see* Yamamoto, K. 9—77196, 9—77197

Arndt, U.W., Gilmore, D.J. X-ray television area detectors for macromolecular structural studies with synchrotron radiation sources 9—55610

Arndt, W. *see* Schock, H.-W. 9—61994

Arneodo, A. *see* Coullet, P. 9—84997

Arnesen, A. *see* Alvarez, E. 9—93945, 9—93951

Arnett, L.M. *see* Baker, W.H. 9—59199

Arnett, W.D. Abundances: an overview of thermonuclear astrophysics for supernova observers 9—53715

Arnett, W.D. On the theory of Type I supernovae 9—62858

Arnett, W.D. *see* Schurmann, S.R. 9—62856

Arnold, B.A. *see* Rosenbaum, A.E. 9—92388

Arnold, C., Jr. *see* Wagner, J.A. 9—100271

Arnold, G.B. *see* Wolf, E.L. 9—91193

Arnold, G.S. *see* Murphy, E.J. 9—80692

Arnold, G.W. Digital level detector 9—75528

Arnold, H., Biste, L., Kaufmann, Th. Thermodynamics of AlN deposition by means of the aluminium-trichloride-ammonia process 9—52121

Arnold, H.J.P. Venus and Jupiter revisited 9—84698

Arnold, H.J.P. A new camera for the Space Shuttle 9—101043

Arnold, K., Schoeps, D. The global isostatic overcompensation 9—62474

Arnold, L.G. Radiative-emission spectrum of 50-MeV nuclear excitations populated by proton capture 9—59065

Arnold, L.G., Clark, B.C. Relativistic nucleon-nucleus optical model 9—67725

Arnold, M.E. Effect of hydrophone arrays on offshore Texas seismic signals 9—53309

Arnold, S. Determination of particle mass and charge by one electron differentials 9—66368

Arnold, S., Pope, M., Hsieh, T.K.T. Double quantum external photoelectric effect in crystalline tetracene 9—87564

Arnold, S. *see* Pope, M. 9—50841

Arnold, S.J., Foster, K.D., Snelling, D.R. Performance and diagnostic measurements of a supersonic HCl chemical laser 9—76699

Arnold, V.I. Mathematical methods of classical mechanics 9—63024

Arnold, W., Hunklinger, S., Dransfeld, K. Influence of optical absorption on the Van der Waals interaction between solids 9—95273

Arnold, W., Martinon, C., Hunklinger, S. Direct experimental observation of spectral diffusion in vitreous silica at low temperatures 9—60439

Arnold, W. *see* Schickfus, M.V. 9—61300

Arnolds, G., Heinrichs, H., Mayer, R., Minatti, N., Piel, H., Weingarten, W. Design and status of an experimental superconducting linear accelerator for electrons 9—72009

Arnot, N.R., Saxton, W.O. Improvement of cross-correlation peaks by image filtering 9—76610

Arnott, R. *see* Loferski, J.J. 9—56866

Arnott, S.J., Catterall, M. Practical requirements for the treatment of patients with cancer 9—54691

Arnotte, F. *see* Paulsen, A. 9—93613

Arnould, M. *see* Thielemann, F.-K. 9—58302

Arnowitt, R., Nath, P. Globally supersymmetric Green's functions in quantum gauge supersymmetry 9—63352

Arntz, H.-R. *see* Leonhardt, H. 9—79708

Arnush, D. *see* Conn, R.W. 9—76144

Arodz, H. Effective Lagrangian for nonAbelian plane waves 9—67472

Aroesty, J. *see* Harpole, G.M. 9—64628

Aron, J.C. A stochastic basis for microphysics 9—53997

Aron, M. A continuous dependence result for a mixed boundary value problem in finite elastostatics 9—68574

Aronov, A.G., Ioselevich, A.S. Role of excitons in dispersion effects in semiconductors 9—65393

Aronov, A.G. *see* Altshuler, B.L. 9—65539

Aronowitz, F., Lim, W.L. Dispersion and gas flow effects in the ring laser gyro 9—98430

Arons, A.B. Cognitive level of college physics students 9—84900

Arons, J., Scharlemann, E.T. Pair formation above pulsar polar caps: structure of the low altitude acceleration zone 9—92790

Arons, J., Smith, D.F. Electrostatic shear flow instability of relativistic nonneutral beams in pulsars 9—53847

Arons, R.M., Tien, J.K., Lenoe, E.M. Observation of viscoelastic strain recovery in hot-pressed silicon nitride 9—79042

Aronson, A.L. *see* Hsiang-Shou Cheng 9—59133

Aronson, B.S., Powers, D.R., Sommer, R.G. Chlorine drying of a doped deposited silica preform simultaneous to consolidation 9—50466

Aronson, E.V., Bida, G.V., Kamardin, V.M., Mikheev, M.N., Samokhvalova, L.Z. Possibility of magnetic testing of the impact strength of low-carbon and low-alloy steel rolled products 9—52601

Aronson, G.H., Ritchie, R.O. Optimization of the electrical potential technique for crack growth monitoring in compact test pieces using finite element analysis 9—87799

Aronson, I., Blau, R., Kleinman, C.J., Rosenberg, L., Spruch, L. Application of a variational principle for the scattering length for the target wave function imprecisely known 9—72375

Aronson, J.R., Emslie, A.G., Ruccia, F.E., Smallman, C.R., Smith, E.M., Strong, P.F. Infrared emittance of fibrous materials 9—95189

Aronson, S. *see* Wieder, J. 9—94904

Aronsson, R., Knape, H.E.G., Torell, L.M. Brillouin scattering in Li_2SO_4: liquid and plastic crystalline phases 9—99897

Arora, A., Marshall, D.B., Lawn, B.R., Swain, M.V. Indentation deformation/fracture of normal and anomalous glasses 9—66147

Arora, B.M., Narsale, A.M. Electrical instabilities of Al-anodic oxide-n-GaAs MOS structures and the effect of annealing 9—60928

Arora, B.R. *see* Sastri, N.S. 9—84091

Arora, C.L. *see* Soni, K.R. 9—82071

Arora, C.P. *see* Dhar, P.L. 9—59911

Arora, P.S., Symons, J.M., Martin, M.L., Dunlop, P.J. Use of the (m,6,8) potential to predict thermal diffusion factors for the systems He-Ne, He-Ar, Ne-Ar, He-N_2, and He-CO_2 at 306K 9—50835

Arora, S.K., Allawadhi, K.L., Sood, B.S. Further measurements of K shell photoelectric cross sections from some elements in the range $26 \leq Z \leq 41$ at 74 keV 9—72288

Arora, S.K., Varghese, T.G., Basu, T.K. Relative performance of different triangular networks in locating regional seismic sources 9—84523

Arora, S.K. *see* Patel, A.R. 9—52102

Arora, V.K., Al-Missari, A. Themoelectric power in high magnetic fields 9—60858

Arora, V.K., Spector, H.N. Quantum-limit magnetoresistance for impurity scattering 9—91083

Arp, H., Sargent, W.L.W., Willis, A.G., Oosterbaan, C.E. An eruptive BL Lacertae object with a high redshift, 0846+51W1 9—62899

Arp, H., Sulentic, J.W. Three quasars near the spiral arms of NGC 1073 9—53904

Arp, H., Sulentic, J.W., Di Tullio, G. Quasars aligned across NGC 3384 9—53927

Arpigny, C. *see* Stalio, R. 9—101146

Arponen, J., Pajanne, E. The momentum distribution of the positron in an electron gas 9—56146

Arps, H.C., de Ruiter, H.R., Willis, A.G. A Westerbork 1415 MHz survey of radio sources. V. Spectrophotometric observations of a sample of the stellar identifications 9—92879

Arqueros, F., Herran, C., Marquez, J., Campos, J. Effective excitation cross sections, for electron collisions with N_2 and N_2^+ 9—98230

Arras, J.M., Thiess, P.E. A desktop calculation cloud gamma dose model 9—85828

Arrawatia, M.L. *see* Gupta, P.C. 9—82920

Arridge, R.G.C. *see* Barham, P.J. 9—96068

Arrieta, L.A., Yadigaroglu, G. UCFLOOD—A code for bottom reflooding heat transfer in LWRs 9—49728

Arrington, J. *see* Kuang-Pang Li 9—92023

Arrott, A.S., Heinrich, B., Templeton, T.L., Aharoni, A. Micromagnetics of curling configurations in magnetically soft cylinders 9—82826

Arrott, A.S. *see* Burgerjon, J.J. 9—76222

Arrott, A.S. *see* Hanham, S.D. 9—82814

Arrott, A.S. *see* Heinrich, B. 9—78432

Arrott, A.S. *see* Press, M. 9—50787

Arroyo, A.L. *see* Solares, J.M.M. 9—84179

Arsalane, M. Description of transient photoelectric phenomena in zinc sulphide photocells 9—82687

Arsene, J., Lopitaux, J., Drifford, M., Lenglet, M. Evidence for the tetrahedral co-ordination of the Cr^{3+} ion in a lithium chromo-gallate from the analysis of electron spectra 9—65031

Arsenev, P.A. *see* Antonov, V.A. 9—91470

Arsenin, V.Ya., Zyabrev, N.B., Kudryashov, N.A. Inverse problem of the convective diffusion and adsorption of radioactive gas in a porous medium 9—90322

Arshak, K.I. *see* Carter, G. 9—87740

Arshutkin, L.N., Kolesnick, I.G. Structure and characteristics of diffuse interstellar clouds 9—88713

Arslanov, V.V., Cherezov, A.A., Ogarev, V.A. Relationship between topography and adhesion properties of solid surfaces 9—96280

Arsov, Ya., Novik, F.S. Analysis of correlations between casting properties of some alloyed and carbon steels 9—83192

Artamonov, A.V. *see* Abil'siitov, G. 9—94254

Artamonov, I.I., Barikhin, B.A., Borovkov, V.V., Kashintsov, V.I. Design and construction of an inductive storage unit for laser pumping 9—89916

Artamonov, O.M., Samarin, S.N. Radiative interaction of slow electrons with metal surfaces 9—65934

Artamonov, V.S. *see* Anufriev, V.A. 9—97709

Artamonov, V.V., Berezhinsky, L.I., Bletskan, D.I., Valakh, M.Y., Sidorenko, V.I. The vibrational spectra of germanium chalcogenide crystals and glasses 9—51966

Arteaga, A.E. *see* Ferrer, J.C. 9—98800

Artemenko, S.H., Volkov, A.F., Zaitsev, A.V. On the excess current in microbridges S-c-S and S-c-N 9—73641

Artemenko, S.N., Volkov, A.F., Zaitsev, A.V. Collective modes in arrays of superconducting bridges 9—56435

Artemenko, S.N., Volkov, A.F., Zaitsev, A.V. Theory of nonstationary Josephson effect in short superconducting junctions 9—78273

Artemenkov, L.I., Gvozdkov, Yu.V., Ivanov, N.V., Kakurin, A.M. Feedback stabilization of the disruptive instability in Tokamak TO-1 9—55546

Artemjew, K. *see* Dobrew, D. 9—74129

Artemov, K.P., Goldberg, V.Z., Petrov, I.P., Rudakov, V.P., Serikov, I.N., Timofeev, V.A., Christensen, P.R. About the limits of existence of α-cluster structure in nuclei 9—63688

Artemov, V.M., Novikov, N.A., Khalturina, N.M., Serezhnikova, E.V., Galib-Ogly, F.A. Chemical transformations of butadiene-nitrile polymers subjected to high temperatures and pressures 9—52659

Artemova, A.A., Vinogradova, R.G., Zhil'tsova, N.E., Kiselev, A.V., Nikitin, Yu.S., Khokhlova, T.D. Industrial silicic sorbents for gel permeation chromatography of polymers 9—52857
Artemova, F.Sh. *see* Unger, F.G. 9—85197
Arthur, C.W. Digital techniques for ULF wave polarization analysis 9—70923
Arthur, J. *see* Gergory, B. 9—65357
Arthur, J.R. Fundamentals of MBE 9—77941
Arthur, M.D., Greenberg, W., Zweifel, P.F. Transverse plasma oscillations 9—90398
Arthur, M.D., Voigt, J., Zweifel, P.F. An existence and uniqueness theorem for the Vlasov-Maxwell equations 9—94775
Arthur, R.M. Assessment of electrocardiographic signal quality during acquisition 9—70666
Artman, J.O., Charap, S.H. Domain mode ferromagnetic resonance in materials with K_1 and K_u 9—78528
Artola, M., Duvaut, G. Homogenisation of a class of nonlinear problems 9—71250
Artukh, A.G., Gridnev, G.F., Mezentsev, A.N., Mikheev, V.L., Popescu, A., Popescu, D.G., Volkov, V.V. Decay of double nuclear system 9—67766
Artuso, M., Manfredi, P.F. Balanced, feedback, voltage-sensitive preamplifier featuring low noise and high CMRR 9—76307
Artym, R.I. The third virial coefficient of a gas of atoms with unsaturated electron shells 9—90752
Artyukh, V.S., Speed, B. Low frequency observations of the scintillation of weak radio sources 9—53921
Artyukhin, Ye.A. *see* Alifanov, O.M. 9—94452
Artzy, E. Display of three-dimensional information in computed tomography 9—70606
Aruldhas, G. *see* Chellam, C.E. 9—76418
Arunachalam, M., Rajappa, N.R. Thermal boundary layer in liquid metals with variable thermal conductivity 9—59962
Arunachalam, M., Rajappa, N.R. Second-order thermal boundary layer in liquid metals 9—77106
Arunasalam, V. *see* Efthimion, P.C. 9—90463
Arunasalam, V. *see* Eubank, H. 9—82074
Arundel, P.A. *see* Bagnall, R.D. 9—70571
Arup, H., Parkins, R.N. *(editor)* Stress corrosion research 9—100303
Arushanov, E.K. *see* Radautsan, S.I. 9—56229
Arushanov, S.Z., Bebchuk, A.S., Kosolobov, V.N., Lomonosov, V.V. Laser-induced breakdown of aqueous solutions of electrolytes 9—87530
Arushanyan, L.E. *see* Arakelyan, S.M. 9—73097
Arustamyan, A.M. *see* Chukhovskii, F.N. 9—95014
Arutunyan, S.A. *see* Pogosyan, Ya.M. 9—82842
Arutyunov, B.A. Influence of pressure on the thermal conductivity of amorphous polymers 9—95225
Arutyunyan, A.A., Zaikin, V.M., Krikunov, V.V., Lipnitskii, Yu.M. Theoretical and experimental study of the structure of the wake behind a sphere in a supersonic gas flow at small Reynolds numbers 9—77119
Arutyunyan, G.A., Nikogosyan, A.G. Spectrum line contours in incoherent scattering 9—88590
Arutyunyan, G.A. *see* Arakelyan, A.R. 9—87345
Arutyunyan, G.A. *see* Mkrtchyan, A.R. 9—61277
Arutyunyan, G.M., Ovsepyan, S.T. Hydrodynamical problems of first-order phase transitions 9—64746
Arutyunyan, M.H., Gantmakher, V.F., Gasparov, V.A. Investigations of small electron groups in molybdenum 9—95311
Arutyunyan, N.P. *see* Nikitin, S.A. 9—99714
Arutyunyan, R.A., Vakulenko, A.A., Umanskii, S.E. The cyclic loading of a plastic medium subject to ageing 9—68600
Arutyunyan, S.G., Rukhadze, A.A. Breakdown of a gas by an electromagnetic field of high intensity 9—98853
Arvanov, A.N. *see* Akimov, Yu.K. 9—49525
Arvedson, M.M., Kohl, D.A. An electron diffraction study of laser pumped SF_6 9—76513
Arvidson, R.E. *see* Jones, K.L. 9—80265
Arvieu, R. *see* Troudet, T. 9—67690
Arvieux, J., Albanese, J.P., Buenerd, M., Lebrun, D., Boschizt, E., Ingram, C.H.Q., Jansen, J. Giant resonance studies in calcium via inelastic pion scattering 9—85512
Arvieux, J. *see* Ellis, R.J. 9—85365
Arvieux, J. *see* Gyles, W. 9—85534
Arvieux, J. *see* Johnson, R.R. 9—97653
Arvikar, R., Seireg, A. Evaluation of upper extremity joint forces during exercise 9—92272
Arvizu, D.E. *see* Otts, J.V. 9—62113
Arx, A.V.von *see* von Arx, A.V.
Arya, N.S. *see* Mozumder, A. 9—93469
Arya, N.S. *see* Sengupta, P.K. 9—93471
Arya, V.K., Holden, H.D. A geophysical application: deconvolution of seismic data 9—92635
Aryutkina, N.L. *see* Vasil'ev, A.F. 9—52811
Arzamanova, I.G. *see* Chetkina, L.A. 9—86783
Arzamasov, V.B., Vasil'eva, E.V. Phase composition of Nb-M-C alloys 9—57020
Arzamasov, V.B. *see* Prokoshkin, D.A. 9—74234
Arzhevikin, Yu.A., Ponomarev, G.A., Fortes, V.B., Yakubov, V.P. Energy spectrum of delays in a tropospheric communication channel 9—84442
Arzoumanian, C. *see* Nedellec, P. 9—56402
Arzt, E. *see* Fischmeister, H.F. 9—66020
Arzumanov, A.A. *see* Anisimov, O.K. 9—54633
Arzumanov, A.S. *see* Erozolimskii, B.G. 9—97625
Arzuov, M.I., Karasev, M.E., Konov, V.I., Kostin, V.V., Metev, S.M., Silenok, A.S., Chapliev, N.I. Investigation of the absorption coefficient of metal targets irradiated by pulse-periodic CO_2 laser radiation in air 9—52052
Arzuov, M.I., Konov, V.I., Metev, S.M. Investigation into kinetics of heating of metals in oxidising medium by emission from continuous CO_2-laser 9—57135
Asada, O., Okada, K., Tsukishima, T. On distortion of waveform in observing density fluctuations by microwave scattering method 9—50859
Asada, Y. Magnetic order in superconducting $Dy_xCe_{1-x}Ru_2$ 9—87189
Asada, Y. LED optical deflection display 9—93111
Asada, Y. *see* Morita, T. 9—57544
Asadov, M.M., Babanly, M.B., Kuliev, A.A. Phase equilibria in the systems Tl_2Te-HgTe(HgSe) 9—87620
Asadullah, S.M. *see* Sastry, B.A. 9—64020
Asahara, J. Superior large autoclaves produce synthetic quartz crystals 9—91576
Asahi, H., Okamoto, H., Ikeda, M., Kawamura, Y. Properties of molecular beam epitaxial $In_xGa_{1-x}As$ ($x \approx 0.53$) layers grown on InP substrates 9—51450
Asahi, Y. *see* Hirano, M. 9—77214
Asahina, K. *see* Okuda, N. 9—100738
Asahina, T., Kosaka, M. A thermal storage analysis on packed bed of alumina spheres 9—57486
Asai, J. *see* Uegaki, J. 9—80922
Asai, K., Itabe, T., Igarashi, T. Range-resolved measurements of atmospheric ozone using a differential-absorption CO_2 laser radar 9—96829
Asai, K. *see* Nanishi, Y. 9—66014
Asai, S. *see* Hikita, H. 9—95190
Asako, Y. *see* Nakamura, H. 9—77109
Asakura, T. *see* Araki, T. 9—89981
Asakura, T. *see* Imai, M. 9—98283
Asakura, T. *see* Miyanaga, S. 9—55230
Asakura, T. *see* Nagashima, K. 9—55088, 9—59693
Asakura, T. *see* Takai, N. 9—72491, 9—76595, 9—94169, 9—97366
Asakura, T. *see* Ushizaka, T. 9—88998
Asakura, T. *see* Yoshida, A. 9—76735
Asakura, Y., Kikuchi, M., Uchida, S., Yusa, H. Iron oxide deposition on heated surfaces in pressurized boiling water 9—93714
Asam, A.R. *see* Maklad, M.S. 9—50417
Asami, K., Ihiguro, M. Emission spectra in KI:Tl and RbI:Tl phosphors with CsCl-type structure 9—83028
Asami, K. *see* Hashimoto, K. 9—74285, 9—96185, 9—96214
Asami, N. *see* Sako, K. 9—76126
Asami, S., Nishitsuji, K. The mechanical properties of high-strength Al-Zn-Mg-Cu alloys 9—91654
Asami, Y. *see* Iijima, T. 9—76704
Asanidze, B.Z. *see* Vekua, L.V. 9—74834
Asano, A. *see* Nishida, H. 9—78486
Asano, H. *see* Kohkame, H. 9—94685
Asano, K., Ebina, A., Takahashi, T. Studies of surface states of ZnSe(100) surfaces by LEED. Auger-electron spectroscopy and energy-loss spectroscopy 9—99599
Asano, K., Furumura, Y., Ebina, A., Takahashi, T. Low-energy-electron loss spectroscopy of ZnSe (110) surfaces 9—83071
Asano, K. *see* Nishikawa, T. 9—96104
Asano, K. *see* Suzuki, M. 9—50184
Asano, M., Harada, T., Kubo, K. Study on energy distribution of thermal ion by a retarding field modulation method 9—78822
Asano, M., Mongeau, D., Nicollin, D., Sasseville, R., Koningstein, J.A. Vibrational Raman scattering in an optical pumped excited electronic state 9—94001
Asano, M., Norman, J.E., Jr., Kato, H., Yagawa, K. Autopsy studies of Hashimoto's thyroiditis in Hiroshima and Nagasaki (1954-1974): relation to atomic bomb radiation 9—92297
Asano, S. Light scattering properties of spheroidal particles 9—50215
Asano, S., Yamashita, N. Luminescence of the dimer center of Sn^{2+} ions in the CaSe phosphor 9—99937
Asano, S. *see* Kotlarchyk, M. 9—92193
Asano, T. *see* Yasuda, N. 9—99832
Asaoka, K., Miura, I. Simulation of the relation between the volume fraction of the second phase and the tensile deformation of composite alloys 9—70122
Asaoka, T., Lapasset, G., Aucouturier, M., Lacombe, P. Observation of hydrogen trapping in Fe-0.15 wt.% Ti alloy by high resolution autoradiography 9—73205
Asaoko, J. *see* Kobayashi, S. 9—87986
Asaro, R.J. *see* Cialone, H. 9—57103
Asatiani, T.L., Alchuszhyan, S.V., Gazaryan, K.A., Zograbyan, D.Sh., Kozliner, L.I., Krishchyan, V.M., Martirosyan, G.S., Ter-Antonyan, S.V. Method of optical wedges for spatial reconstruction of particle trajectories 9—68132
Asatryan, G.A. *see* Akopyan, S.K. 9—80143
Asatryan, H.M., Sedrakyan, A.G. Elastic scattering amplitude asymptotics in a supersymmetric theory 9—75748
Asaumi, K. *see* Kojima, S. 9—55884
Asaumi, K. *see* Nakamura, T. 9—51039
Asawa, C.K. *see* Fields, J.N. 9—50564
Asawa, C.K. *see* Tangonan, G.L. 9—50429
Asay, J.R. *see* Chhabildas, L.C. 9—77680, 9—99268
Asay, J.R. *see* Graham, R.A. 9—94564
Asay, R. *see* Blok, J. 9—67918
Asayama, K. *see* Grover, A.K. 9—65745
Asayama, K. *see* Sakemoto, A. 9—65761
Asayama, K. *see* Shinkoda, T. 9—82788
Asayama, Y. The behavior of embrittlement produced by low temperature aging of high strength maraging stainless steels 9—100155
Asbeck, P.M., Cammack, D.A., Daniele, J.J., Klebanoff, V. Lateral mode behavior in narrow stripe lasers 9—98359
Asbeck, P.M., Cammack, D.A., Daniele, J.J., Lou, D., Heemskerk, J.P.J., Kleuters, W.J., Ophey, W.H. High-density optical recording with (Ga, Al) As DH lasers 9—89954
Asbell, S.O. *see* Schlager, B. 9—88159
Asbell, S.O. *see* Wallner, P.E. 9—88157
Asbridge, I.A. *see* Evans, W.F.J. 9—79941
Asbridge, J.R. *see* Abraham-Shrauner, B. 9—53701
Asbridge, J.R. *see* Bame, S.J. 9—58197, 9—75197
Asbridge, J.R. *see* Lemons, D.S. 9—80183
Asbridge, J.R. *see* Paschmann, G. 9—58209
Asbrink, L. *see* Lindholm, E. 9—50081
Asbrink, S., Sam-Hyo Hong Increase of X-ray reflection intensities and profile widths at the low- to high-V_3O_5 phase transition state 9—69052
Asbury, D.L. *see* Moores, B.M. 9—88151
Asbury, D.L. *see* Ramsden, J.A. 9—100741
Asbury, D.M. *see* Batty, C.J. 9—76535
Asbury, J.G., Giese, R.F., Mueller, R.O. The interface with solar: alternative auxiliary supply systems 9—57407
Ascarelli, G. *see* Beetz, C.P., Jr. 9—69824
Asche, M., Kostial, H. Peculiarities of current-voltage characteristics along ⟨110⟩ in n-Si 9—78111
Asche, M., Kostial, H., Sarbey, O.G. Ionization of low donor levels and recombination of hot electrons in n-Si at low temperatures 9—51596
Aschman, D. *see* Chestnut, R. 9—89531
Aschoff, V. Phantasy and reality in the early history of acoustics 9—76915
Ascoli, C., Barbi, M., Chillemi, S., Petracchi, D. Phase-locking of the neural discharge to periodic stimuli 9—83775
Ascoli-Bartoli, U., Bardotti, G., Bartiromo, R., Battaglia, G., Brusati, M., Buratti, P., Cima, G., De Angelis, A., De Marco, F., Enriques, L., Gasparotto, M., Grolli, M., Haegi, M., Marconero, R., Martone, M., Mazzitelli, G., Mazzucato, E., Pieroni, L., Righetti, G.B., Samuelli, M., Segre, S.E., Strangio, C., Tuccillo, A. Preliminary results on operation of the FT Tokamak at cryogenic temperature 9—60170
Ascuitto, R.J. *see* Seglie, E.A. 9—63692
Aseev, G.G. *see* Smirnova, T.A. 9—94202
Aseikin, V.S., Machavariani, S.K., Nikol'skaya, N.M., Nikol'skii, S.I. Characteristics of extensive atmospheric showers of primary energy less than 2×10^{14} eV 9—80162
Aseltine, R.G., Jr., Feldman, C.L., Paraskos, J.A., Moruzzi, R.L. A simple device for closed loop heart rate control during cardiac rehabilitation 9—83995
Asenbaum, A. *see* Huf-Desoyer, G. 9—73959
Asgekar, G.G. On the space-time permeated by a viscous, compressible, thermally conducting, self-gravitating fluid with infinite electrical conductivity and constant magnetic permeability 9—71315
Asghar, M. *see* Finch, E.C. 9—76292
Asgian, M.I. *see* Strack, O.D.L. 9—84323
Ash, E.A. Fundamentals of signal processing devices 9—50521
Ash, J.E. Effects of material properties on the dynamic response of pressure-loaded core subassembly wrappers 9—49756
Ash, J.E., Kennedy, J.M., Belytschko, T.B. Core subassembly cluster dynamic response to an accidental pressure rise 9—54551
Ash, J.F. *see* Haigler, H. 9—92189
Ash, L.A. *see* Manning, P.G. 9—74917
Ash, P., Parker, T. The ultrastructure of mouse testicular interstitial tissue containing plutonium-239 and its significance in explaining the observed distribution of plutonium in the testis 9—57610
Ashaev, V.K., Levin, A.D., Mironov, O.N. Laser interferometer for shock-wave diagnostics 9—64814

Ashajayanthi, A.V., Rajaram, S., Viswanadham, N. A parallel processor for real-time speech signal processing 9—64436

Ashare, A.B. *see* Sostre, S. 9—88173

Ashawa, S.C., Kini, U.R., Madhvanath, U. The aqueous coumarin system as a low range chemical dosimeter 9—79659

Ashburn, P., Bull, C.J., Beale, J.R.A. The use of the electron-beam-induced current mode of the SEM for observing emitter/collector pipes in bipolar transistors 9—82665

Ashby, J.D. *see* Swan, D.F.K. 9—70408

Ashby, M.F., Gandhi, C., Taplin, D.M.R. Fracture-mechanism maps and their construction for FCC metals and alloys 9—61693

Ashby, M.F. *see* Edward, G.H. 9—96105

Ashby, M.F. *see* Gandhi, C. 9—74253, 9—91774

Ashby, R.A. The A-X system of the I_2 molecule 9—63995

Ashcroft, N.W. Singular structure in the density of levels of simple metals 9—77997

Ashcroft, N.W. *see* Mon, K.K. 9—77492

Ashcroft, N.W. *see* Rosenfeld, Y. 9—99051

Ashe, S. A nonlinear model of the time-average axially asymmetric flow induced by topography and diabatic heating 9—88435

Ashen, D.J. *see* Ambridge, T. 9—99614

Asher, S. Simple photographic method for producing narrow optical diffraction slits 9—71191

Asher, S.A., Pershan, P.S. Alignment and defect structures in oriented phosphatidylcholine multilayers 9—92167

Asherov, B.A. *see* Ginzburg, B.M. 9—51010

Ashery, D. *see* Finkel, G. 9—67702

Ashery, D. *see* Navon, I. 9—63705, 9—85543

Ashfield, M.E.C. *see* Parkinson, J.H. 9—96979

Ashford, V. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Ashibe, K. *see* Miyazawa, T. 9—97856

Ashirov, A. *see* Karaev, K.Sh. 9—60349

Ashirov, T.K., Gutkin, A.A., Kumekov, S.E., Sedov, V.E. Photoionization spectrum of a deep impurity center in the presence of a weak electron-phonon interaction in GaAs:Cu at low temperatures 9—51529

Ashkenazi, J. *see* Peter, M. 9—65582, 9—87187

Ashkenazi, J. *see* Samoilov, S. 9—56117

Ashkin, A., Gordon, J.P. Cooling and trapping of atoms by resonance radiation pressure 9—72291

Ashkin, M. *see* Gavaler, J.R. 9—56099

Ashley, B. *see* Lunt, M.J. 9—83863

Ashley, D.G. Measurement of glass content in fibre/cement composites by X-ray fluorescence analysis 9—52840

Ashley, G.K., II, Howard, N.M. Vacuum relief valve sizing in condensing steam situations 9—54545

Ashley, J.C. Mean excitation energy of polystyrene 9—78031

Ashley, J.C., Cowan, J.J., Ritchie, R.H., Anderson, V.E., Hoelzl, J. Straggling and plasmon excitation in the energy loss spectra of electrons transmitted through carbon 9—95058

Ashley, J.C. *see* Kretschmann, E. 9—60739

Ashley, J.C. *see* Williams, M.W. 9—99954

Ashley, J.R. Auditory backward inhibition can ruin a concert hall 9—59892

Ashline, R.C., Waltz, W.R. Use of gadolinium nitrate for criticality control during fuel dissolution 9—85728

Ashline, R.C. *see* Waltz, W.R. 9—63822

Ashmarin, I.I., Andreev, A.I., Bykovskii, Yu.A., Gridin, V.A., Zysin, Ya.Yu. Laser breakdown in crystalline argon as model of fast high-energy processes 9—91541

Ashmontas, S.P., Olekas, A.P., Pozhela, Yu.K., Lapinskas, R.B. Influence of the internal field of n-n^+ junction on its electrical properties 9—56297

Ashmontas, S.P., Pozhela, Yu.K., Subachyus, L.E. Effect of intervalley electron scattering on transport phenomena in silicon in strong electric fields 9—56240

Ashmontas, S.P. *see* Dargis, A.Yu. 9—65496

Ashmore, J.F., Falk, G. Transmission of visual signals to bipolar cells near absolute threshold 9—79535

Ashmore, M.P. *see* How, T.V. 9—53200

Ashok, N.M. *see* Kulkarni, P.V. 9—97105

Ashoo, K., Fairhurst, M.C. Computer-based testing system for experiments in visual perception 9—74769

Ashour-Abdalla, M., Kennel, C.F. Diffuse auroral precipitation 9—88544

Ashour-Abdalla, M. *see* Kurth, W.S. 9—84590

Ashouri, M.R. Linear prediction of transformed speech 9—55277

Ashry, M.El *see* El Ashry, M.

Ashtekar, A., Magnon-Ashtekar, A. On conserved quantities in general relativity 9—63098

Ashtekar, A., Magnon-Ashtekar, A. Energy-momentum in general relativity 9—75423

Ashtekar, A., Streubel, M. On angular momentum of stationary gravitating systems 9—88851

Ashton, D.H. *see* Vieira, A.T. 9—93771

Ashton, G.D. River Ice 9—62525

Ashton, G.R. *see* Hsu, D.K. 9—73835

Ashton, T., Spiers, F.W. Attenuation factors for certain tissues when the body is irradiated omnidirectionally 9—92383

Ashwell, G.W.B. *see* Speight, J.D. 9—77951

Ashworth, D.G. 'Simulation of the Compton effect by reflection from a moving mirror': a reply to a comment by McFarlane and McGill 9—67562

Ashworth, D.G., Davies, P.A. Transformations between inertial and rotating frames of reference 9—84950

Ashworth, J.R. *see* Hutchison, R. 9—75166

Ashworth, T., Knight, C.A. Cylindrical ice accretions as simulations of hail growth. I. Effects of rotation and of mixed clouds 9—58033

Ashworth, T. *see* Knight, C.A. 9—58034

Ashworth, V., Googan, C.G., Scantlebury, J.D. Intergranular dissolution of zinc alloy sacrificial anodes in sea water at elevated temperature 9—96181

Asimakopoulos, D.N., Cole, R.S., Crease, B.A., Caughey, S.J. A comparison of acoustic Doppler vertical velocity power spectra with direct measurements 9—57999

Asinovskii, E.I., Biberman, L.M., Bronin, S.Ya., Nizovskii, V.L., Sushkin, V.N., Shabashov, V.I., Yartsev, Yu.V. On the possibility of attaining the limiting values of the gain in a plasma of a mixture of CO_2:N_2:He 9—89884

Ask, P. Low-compliance perfusion pump for oesophageal manometry 9—53272

Ask Per *see* Per Ask

Askadskii, A.A. *see* Kudryavtsev, G.I. 9—52294

Askadskii, A.A. *see* Slonimskii, G.L. 9—52372

Askadskii, A.A. *see* Vygodskii, Ya.S. 9—57231

Askariyan, G.A., Dolgoshein, B.A., Kalinovsky, A.N., Mokhov, N.V. Acoustic detection of high energy particle showers in water 9—85862

Askar'yan, G.A., Batanov, G.M., Berezhetskaya, N.K., Gritsinin, S.I., Kossyi, H.A., Raevskii, I.M. Generation of powerful currents and voltages in the action of radio waves on a rod. Direct conversion of electromagnetic to ampere energy 9—76548

Askar'yan, G.A., Datskevich, H.P., Karlova, E.K., Karlov, N.V., Kononov, N.N., Kuz'min, G.P., Raevskii, I.M. Flow-concentration effects in optical breakdown of a gas in an intense annular beam from a CO_2 laser 9—64886

Askegaard, V. *see* Bach, F. 9—81722

Askenazy, S. *see* Nicholas, R.J. 9—65500, 9—91154

Askenazy, S. *see* Zdanowicz, W. 9—99644

Askerov, B.M., Kuliev, B.I., Figarova, S.R. Theory of the kinetic effects in degenerate semiconductors thin films with unlike surfaces 9—51694

Askerov, B.M., Kuliev, B.I., Figarova, S.R. Transport effects in thin degenerate semiconductor films with different surfaces 9—73607

Askerov, Sh.G., Mamedov, R.K. Influence of the inhomogeneity on the properties of a metal-semiconductor contact 9—69596

Askovic, R. *see* Jovanovic, J. 9—86419

Aslam, J. *see* Beg, M.M. 9—90746

Aslamazov, L.G. Stimulation of superconductivity in an inhomogeneous junction in an UHF field 9—78272

Aslamazov, L.G., Fistul', M.V. Critical current of Josephson contacts with a semiconducting layer 9—99661

Aslan, E. Comments on 'Energy deposition in simulated human operators of 800-MHz portable transmitters' [and reply] 9—57777

Aslan, E. The maturing of electromagnetic radiation hazard instruments 9—92378

Aslanian, T.A., Levanyuk, A.P. On the possibility of the incommensurate phase near $\alpha \rightleftarrows \beta$ transition point in quartz 9—90748

Aslanides, E., Fassnacht, P., Hibou, F., Bressani, T., Chiavassa, E., Dellacasa, G., Gallio, M., Musso, A., Puddu, G. Doubly coherent production of π^- by ^{3}He ions of 910 MeV 9—85481

Aslanidi, E.B. *see* Avatkov, O.N. 9—98172

Aslanov, A.S. *see* Ali-zade, A.N. 9—49050

Aslanov, P.V. *see* Povkh, I.L. 9—77101

Aslanyan, L.S., Bunkin, A.F., Koroteev, N.I. Coherent-ellipsometry determination of the complex third-order nonlinear polarizabilities of dye molecules 9—71511

Aslanyan, L.S., Bunkin, A.F., Koroteev, N.I. Resolution of overlapping Raman lines by coherent ellipsometry 9—98110

Aslanyan, T.A., Levanyuk, A.P. Existence of noncommensurate phases in $BaTiO_3$-type ferroelectrics 9—69792

Aslanyan, W.M., Garibyan, V.Kh., Dadivanyan, A.K. Short-range orientational order and infrared dichroism 9—51941

Asmai, N., Ioki, K., Satow, T., Tanaka, M., Ogino, O., Sako, K. Torodial magnet design for a Tokamak experimental fusion reactor (JXFR) 9—76135

Asmal, A.C. *see* Lockett, C.J. 9—96722

Asnin, V.M., Bakun, A.A., Danishevskii, A.M., Ivchenko, E.L., Pikus, G.E., Rogachev, A.A. 'Circular' photogalvanic effect in optically active crystals 9—73542

Asnin, V.M., Mirtskhulava, N.I. Electron-hole fluid drift in Ge in crossed electric and magnetic fields 9—99487

Aso, T., Tsuda, T., Kato, S. Meteor radar observations at Kyoto University 9—66851

Asokamani, R., Iyakutti, K., Devanathan, V. Band-structure of Tc and the effect of correlation 9—60699

Asomoza, R. *see* Fert, A. 9—73485

Asoskov, V.S., Blazhenkov, V.V., Grishin, V.M., Ermilova, V.K., Kotenko, L.P., Merzon, G.I., Pervov, L.S. Relativistic increase of the primary specific ionization in noble gases 9—60102

Asoskov, V.S., Blazhenkov, V.V., Grishin, V.M., Kotenko, L.P., Merzon, G.I., Pervov, L.S. Measurement of relativistic growth of primary ionization in noble gases 9—86554

Asou, M., Shibata, F. Critical phenomena in the two-dimensional random Ising system. II 9—56544

Asou, M. *see* Shibata, F. 9—56543

Aspden, H. The spatial energy distribution for Coulomb interaction 9—88820

Aspden, R.M., Hukins, D.W.L. Determination of the direction of preferred orientation and the orientation distribution function of collagen fibrils in connective tissues from high-angle X-ray diffraction patterns 9—62177

Aspeling, J., Piani, C.S.B. The recovery of Ag and the formation of mixed dumbells in Ag alloyed with Au after thermal-neutron irradiation 9—69161

Aspen, F., Goldman, A.M. Order parameter dynamics and collective modes in magnetic impurity doped superconductor 9—56409

Aspen, F., Goldman, A.M. Spin-flip scattering and the dynamics of the superconducting order parameter 9—78267

Aspin, C.H. *see* Johnson, B.C. 9—78213

Aspinall, W.P. PLL lock indicator and event alarm 9—62597

Aspnes, D.E., Cardona, M., Saile, V., Skibowski, M., Sprussel, G. Fine structure in optical transitions from 3d and 4d core levels to the lower conduction band in Ga-V and In-V compounds 9—78705

Aspnes, D.E., Theeten, J.B. Dielectric function of Si-SiO_2 and Si-Si_3N_4 mixtures 9—95862

Aspnes, D.E., Theeten, J.B. Optical properties of the interface between Si and its thermally grown oxide 9—99908

Aspnes, D.E. *see* Theeten, J.B. 9—95275

Aspnes, J.D., Pierre, D.A., Robles, T.C. Reducing combustion air temperature variations in magnetohydrodynamic/steam power plants 9—52943

Asprey, L.B. *see* Coleman, W.F. 9—50043

Ass, H.M.J.M.Van *see* Van Ass, H.M.J.M.

Assassa, G.M., Papailiou, K.D. An integral method for calculating turbulent boundary layer with separation 9—77087

Assche, P.H.M.Van *see* Van Assche, P.H.M.

Asselborn, E. *see* Pottel, R. 9—78619

Asselin, S.V., Carlson, D.D., Cramond, W.R., Hickman, J.W., Fedele, M.A., Taylor, M.A. Dominant accident sequences for an ice condenser PWR plant 9—85646

Assenza, D., Pappalardo, M. Acoustic field study in a real time echographic imaging system 9—96636

Assmann, H. Pore size distribution for the optimisation of the dimensional behaviour of UO_2 pellets 9—49801

Assmann, H., Stehle, H. Specification of LWR fuels with regard to their behaviour 9—49797

Assmann, H. *see* Dorr, W. 9—49803

Assmus, K.H., Jager, K., Schutz, R., Schulz, F., Schweickert, H. Routine production of iodine-123 at the Karlsruhe isochronous cyclotron 9—54694

Assus, P., Cuot, E., Gay, J., Journet, A., Merlin, G., Rabbia, Y. Optical infrared tuning in the setting up of heterodyne detection 9—62755

Ast, M.A.van *see* van Ast, M.A.

Ast, M.A.Van *see* Van Ast, M.A.

Astaf'ev, A.A. *see* Lunkin, B.V. 9—88909

Astaf'eva, L.G., Prishivalko, A.P. Homogeneous-particle model in the optical probing of atmospheric fogs 9—66790

Astaf'eva, N.M. *see* Yavorskaya, I.M. 9—77135

Astakhov, E.A., Zverev, A.I., Sharivker, S.Yu., Klimenko, V.S., Skadin, V.G., Alifanov, Yu.P. Characteristics of two methods of powder introduction in detonation spray-deposition 9—70195

Astakhov, I.I., Surikov, V.V., Bogatyrev, V.N. Surface changes of platinum, palladium, and nickel during cathodic polarization in aqueous solutions of alkaline-earth 9—61869

Astakhov, V.M., Toropov, A.I., Stenin, S.I., Zaletin, V.M., Korzhov, V.I. Micromorphology and defects of non-doped gallium arsenide layers 9—65340

Astapov, Yu.V. *see* Gol'zand, I.V. 9—57728

Astarita, G. Three alternative approaches to the development of constitutive equations 9—60011

Astarita, G., Joshi, S. Sample-dimension effects in the sorption of solvents in polymers—a mathematical model 9—52766

Astarita, G., Wei, J., Iorio, G. Theory of dispersion, transformation and deposition of atmospheric pollution using modified Green's functions 9—83663
Astarita, G. *see* Joshi, S. 9—94864
Astarzhiyan, G.B. *see* Donev, D.I. 9—96536
Astashevskaya, T.S. Design of inductive-motion transducers for information measurement systems 9—67284
Astashkina, E.V. *see* Vantsyan, A.G. 9—55075
Asten, M.W. Geological control on the three-component spectra of Rayleigh-wave microseisms 9—84122
Asthana, K.K. *see* Jain, R.K. 9—66107
Asthana, S.B.L. *see* Mohanty, A.K. 9—50696
Astholz, D.C., Glanzer, K., Troe, J. The spin-forbidden dissociation-recombination reaction $SO_3 \rightleftharpoons SO_2+O$ 9—57214
Astholz, D.C., Troe, J., Wieters, W. Unimolecular processes in vibrationally highly excited cycloheptatrienes. I. Thermal isomerization in shock waves 9—79236
Astie, B. *see* Degauque, J. 9—78496
Astier, M., Pottier, N., Bourgoin, J.C. Linear-combination-of-atomic-orbitals, self-consistent-field method for the determination of the electronic structure of deep levels in semiconductors 9—82555
Astle, H.W. *see* Presby, H.M. 9—81527
Astles, M.G., Hatto, P., Crocker, A.J. Liquidus measurements in the Pb-Sn-Te system 9—95999
Astles, M.G., Pickering, C., Young, M.L. Control of hole concentration in liquid-phase epitaxial layers of PbTe by As doping 9—99640
Aston, D. The evolution of liquid and gas centrifuges 9—53289
Astor, M. *see* Hall, E.J. 9—88126
Astorri, E. *see* Alessio, L. 9—70669
Astrahan, M.A. Concerning hyperthermia phantom 9—70698
Astrakhanov, M.I. *see* Lein, B.I. 9—65011
Astrakhantsev, N.V., Kichigin, G.N., Papernyi, V.L. Measurements of the levels of turbulence in a plasma using a Langmuir probe 9—55547
Astrakhantsev, N.V., Kichigin, G.N., Papernyi, V.L., Simonov, V.G. Measurement of turbulence levels in a shockwave by means of a fast ion beam 9—98974
Astre, P., Guillot, J., Laffitte, J. Analysis of distribution of contact stress of a rigid, circular cylinder insertion with play in an undefined plate 9—72862
Astrom, H.U., Benediktsson, G., Rao, K.V. Latent heat studies of magnetic transitions in dilute CrFe and CrSi alloys 9—61156
Astrom, H.U. *see* Gudmundsson, H. 9—60784
Astrom, H.U. *see* Hedman, L.E. 9—61079
Astrom, H.U. *see* Johannesson, Ch. 9—78071
Astrom, H.U. *see* Rao, K.V. 9—73483
Astrov, D.N. *see* Durieux, M. 9—63231
Astruc, J.P., Barbe, R., Schermann, J.P. Attachment to SF_6 of electrons bound in Rydberg atoms, autodetachment and dissociation of SF_6 9—72433
Astvatsaturov, R.G., Ivanov, V.I., Khachaturyan, M.N., Knapik, J., Kramarenko, V.A., Malakhov, A.I., Melkumov, G.L., Starchenko, B.M. Energy reconstruction of events in a multichannel γ-spectrometer 9—76259
Ata, M.S., Hategan, C. Threshold cusp in R- and S-matrix theories 9—58893
Atac, M. *see* Hand, L. 9—75979
Ataev, B.M. *see* Kazhlaev, M.A. 9—99924
Ataev, B.M. *see* Semiletov, S.A. 9—95530
Atagi, K. *see* Mima, G. 9—70163
Atai, A.A. *see* Aksenov, A.N. 9—70990
Ataka, S., Inao, K. Diffusion of impurities into tin oxide films 9—95218
Atakhodzhaev, A.K., Tukhvatullin, F.Kh., Ganiev, F.S., Kleiner, I.P. Low-frequency region of the scattering-line wing for some supercooled liquids 9—65888
Atakhodzhaev, A.K. *see* Nizamov, N. 9—85987
Atal, B.S., David, N. On synthesizing natural-sounding speech by linear prediction 9—59879
Atalar, A. Modulation transfer function for the acoustic microscope 9—64454
Atalar, A. Reflection coefficient for a lossy liquid-lossless isotropic solid interface 9—72733
Atalar, A. *see* Quate, C.F. 9—98571
Atamanov, V.M., Levadnyi, G.B., Nasedkin, Yu.F., Nikiforov, V.A., Petrov, G.D., Petryakov, A.I., Samarskii, P.A. Measurement of the integrated electron density in a plasma chemical device by a coupled-cavity submillimeter interferometer 9—55548
Atamanov, V.M., Zhuzhunashvili, A.I., Levadnii, G.V., Nasedkin, Yu.F., Nikiforov, V.A., Timchenko, N.N. Investigation of the CO_2 dissociation reaction in a nonequilibrium plasma of a stationary plasma-beam discharge 9—99006
Atanackovic, T.M. A note on the infinitesimal inviscid-like motions of viscous fluids 9—50761
Atanasiu, M. *see* Macovei, D. 9—65057
Atanasiu, N., Cioara, E., Atanasiu, Z. The plastic deformation properties of aluminium tubes during tube drawing operations 9—70130
Atanasiu, N., Teodosiu, C. The researches concerning the cold plastic deformation of aluminium alloys 9—56991
Atanasiu, Z. *see* Atanasiu, N. 9—70130
Atanassov, V., Shivarova, A., Nenovski, P., Zhelyazkov, I. Structure of the electric field of low-frequency surface waves in a semi-infinite plasma 9—64862
Atarbekov, S.G., Bol'shakov, L.P., Filipchenko, A.S. Influence of the nature of a dopant and of the degree of doping of the base material on the characteristics of p-n tunnel junctions in indium antimonide 9—73575
Ataullakhanov, F.I. *see* Fed'Kina, V.R. 9—79452
Atayan, R.R. On the interrelation between heat and storage in modification of X-ray injury to Crepis seeds 9—88118
Atcheson, D.B., Cole, C.V. Strain rate effects in transient overpower cladding failure analyses 9—85660
Atcheson, D.B. *see* Gregoire, K.E. 9—85659
Atenelashvili, M.I., Berdzenishvili, O.L., Bitsadze, G.S., Garsevanishvili, L.P., Gromov, Yu.A., Kananov, S.D., Kotlyarevskii, D.M., Morozov, I.V., Rapoport, V.M., Taglanov, M.M., Tsomaya, P.V., Chikovani, L.D., Sherer, E.N., Shtemanetyan, G.E. The Tskhra-Tskaro system for research on cosmic rays of energy of 0.4-10 TeV 9—84626
Atensio, A.A., Kapusta, O.I., Omel'yanovskaya, N.M. Spectra of the threshold potentials of neodymium 9—69578
Ateya, A.I. *see* Borsenberger, P.M. 9—56242, 9—56243
Athale, R.A., Lee, S.H. Development of an optical parallel logic device and a half-adder circuit for digital optical processing 9—94364
Athanassoula, E. Some recent developments in the theory of spiral structure 9—97061
Athans, M. *see* Mazzola, C.J. 9—98549
Athay, R.G., White, O.R. Chromospheric oscillations observed with OSO 8. II. Average power spectra for Si II 9—62800
Athay, R.G. *see* White, O.R. 9—62799, 9—62801
Athay, R.Grant *see* Grant Athay, R.
Atherton, N.M., Horsewill, A.J. Proton ENDOR of $Cu(H_2O)_6^{2+}$ in $Mg(NH_4)_2(SO_2)_4.6H_2O$ 9—73854
Atiya, M.S., Holmes, S.D., Knapp, B.C., Lee, W., Wisniewski, W.J., Avery, P., Butler, J., Gladding, G., O'Halloran, T., Russell, J.J., Wattenberg, A., Wiss, J., Binkley, M., Cumalat, J.P., Gaines, I., Gormley, M., Loveless, R.L., Peoples, J. Evidence for the high-energy photoproduction of charmed mesons 9—80831
Atkas, J.P. *see* Moulds, C.W. 9—81464
Atkins, E.D.T., Blackwell, J., Litt, M.H. Texture of cellulose crystallized from hydrazine 9—69030
Atkins, H.L. *see* Klopper, J.F. 9—62411
Atkinson, A., Taylor, R.I. The diffusion of Ni in the bulk and along dislocations in NiO single crystals 9—82381
Atkinson, B.K. Fracture toughness of Tennessee sandstone and Carrara marble using the double torsion testing method 9—84239
Atkinson, D. Analytic extrapolations and inverse problems 9—49499
Atkinson, D., Blatt, D.W.E. Determination of the singularities of the electron propagator 9—49427
Atkinson, D., Fry, M.P. Should one truncate the electron self-energy? 9—89086
Atkinson, D., Slim, H.A. Spectral ansatz in quantum electrodynamics. I. Infra-red and ultraviolet behaviour 9—58911
Atkinson, G.H., Parmenter, C.S., Tang, K.Y. Mode-to-mode vibrational energy flow in S_1 benzene. V-V resonant energy transfer, microscopic reversibility, and the role of level degeneracies [pt.II] 9—86045
Atkinson, G.H. *see* Dosser, L.R. 9—52695
Atkinson, G.H. *see* Gill, R.J. 9—83490
Atkinson, J. *see* Howland, H.C. 9—62242
Atkinson, J.D., Lindley, T.C. Effect of stress waveform and hold-time on environmentally assisted fatigue crack propagation in C-Mn structural steel 9—79175
Atkinson, P. *see* Mountford, R.A. 9—62311
Atkinson, P. *see* Taylor, K.J.W. 9—92311
Atkinson, R., Pitts, J.N., Jr. Rate constants for the reaction of $O(^3P)$ atoms with benzene and toluene over the temperature range 299-440K 9—70304
Atkinson, R. *see* Pitts, J.N., Jr. 9—61860
Atkinson, S.A. *see* Hanson, G.H. 9—89361
Atlan, H. *see* Salomon, J.A. 9—57806
Atlan, H. *see* Schachner, E. 9—62342
Atlas, D. *see* Bloom, S. 9—62220
Atluri, S.N., Murakawa, H., Kobayashi, A.S. Numerical modelling of nonlinear behaviour of soft biological materials 9—100642
Atluri, S.N. *see* Murakawa, H. 9—63044
Atobe, K. Correlation of thermoluminescence and the F-center annealing in undoped CaF_2 after reactor irradiation at low temperature 9—55787
Atobe, K. F-center annealing and intrinsic luminescence in alkaline-earth fluorides 9—65937
Atobe, K., Okada, M., Nakagawa, M. The F-band growth in undoped CaF_2 crystals by reactor irradiation at low temperature 9—55788
Atobe, K. *see* Hashimoto, S. 9—65902
Atoda, N., Komuro, M., Kawakatsu, H. Molecular-weight dependence of developed contours in poly-(methyl methacrylate) electron resists 9—87859
Atovmyan, L.O., Gafurov, R.G., Golovina, N.I., Eremenko, L.T. Dependence of the density of molecular crystals on the ratio of intramolecular and intermolecular contacts 9—86781
Atovmyan, L.O. *see* Filipenko, O.S. 9—86782
Atoyan, A.M., Barabanov, A.F., Maksimov, L.A. Theory of metals with mixed valence: damping of elementary excitations and electron specific heat 9—95180
Atoyan, V.V., Vdovin, Yu.A., Korobeinikova, I.E., Muradyan, N.S., Oganyan, L.O. Investigation of the system errors in a wattmeter unit for measuring specific losses in electrical steel sheets 9—91893
Atrazhev, V.A., Zelener, B.V., Yakubov, I.T. The electric conductivity of a plasma of combustion products of hydrocarbon fuels with alkali impurity 9—55466
Atreya, S.K., Donahue, T.M., Waite, J.H., Jr. An interpretation of the Voyager measurement of Jovian electron density profiles 9—96953
Atroshchenko, L.V. *see* Obukhova, N.F. 9—86836
Atroshchenko, L.V. *see* Sil'vestrova, I.M. 9—95709
Atsarkin, V.A., Demidov, V.V. Dipole reservoir cooling and dynamic polarization of nuclei on saturation of inhomogeneous EPR line 9—87331
Atsuki, K. *see* Yamashita, E. 9—59824
Atsumi, A. *see* Kumar, M. 9—64583
Atsumi, K. *see* Imachi, K. 9—84018
Atta, C.W.Van *see* Van Atta, C.W.
Atta, F.A.Van *see* Van Atta, F.A.
Atta, T.I. *see* Bassali, W.A. 9—72803
Attal, J., Cambon, G. Improvement in the resolution of the reflective scanning acoustic microscope: application to non destructive evaluation in microelectronics 9—50551
Attal, P., Baron, E., Bieth, C., Bourgarel, M.P., Gayraud, R., Pagani, C. The GANIL injector design 9—54613
Attalla, A. *see* Bowman, R.C., Jr. 9—69153
Atten, P. *see* Hopfinger, E.J. 9—68783
Attenberger, S.E. *see* Houlberg, W.A. 9—49843
Atti, C.Ciofi degli *see* Ciofi degli Atti, C.
Atti, C.Ciofi Degli *see* Ciofi Degli Atti, C.
Attiga, S.A., Eley, D.D., Hey, M.J. Hydration of choline salts studied by NMR relaxation 9—87830
Attix, F.H. The partition of kerma to account for bremsstrahlung 9—66482
Attoh, K., Whitten, E.H.T. Computer program for regression model for discontinuous structural surfaces 9—84495
Attwell, D., Jack, J. The interpretation of membrane current-voltage relations: a Nernst-Planck analysis 9—83715
Atwell, T. *see* Steinman, D.K. 9—53569
Atwood, B., Ingerson, T., Lasker, B.M., Osmer, P.S. Integrating vidicon systems at Cerro Tololo 9—66924
Atwood, H.L. *see* Wodlinger, H. 9—84047
Atwood, W.B. *see* Prescott, C.Y. 9—75776
Atzei, A. *see* Suppa, E. 9—96478
Atzeni, C. *see* Manes, G.F. 9—98548
Atzmony, U., Gurewitz, E., Melamud, M., Pinto, H., Shaked, H., Gordetsky, G., Hermon, E., Hornreich, R.M., Shtrikman, S., Wanklyn, B. Anisotropic spin-glass behavior in Fe_2TiO_5 9—99707
Atzmuller, H., Froschl, F., Schroder, U. Theory of excitons bound to neutral impurities in polar semiconductors 9—73441
Au, B.F. *see* Campbell, M.J. 9—58012
Au, C.K. *see* Aharonov, Y. 9—71289
Au-Yang, H. *see* Fisher, M.E. 9—92919
Au-Yang, M.K. Pump-induced acoustic pressure distribution in an annular cavity bounded by rigid walls [pressurised water reactor] 9—72848
Aubakirova, R.K. *see* Presnyakov, A.A. 9—79033, 9—87790
Aubauer, H.P. Definition of a local concentration, short-range order, clustering, and microstructure of alloys for an arbitrary duration and temperature of experiment 9—51267
Auberger, P. *see* Brun, R. 9—64642
Aubert, A. *see* Mazuer, J. 9—73618
Aubert, A. *see* Spitz, J. 9—74544
Aubert, H. *see* Remy, L. 9—74158
Aubert, J. *see* Lejeune, C. 9—49889
Aubert, M., Allain, A., Simon, M. Development of commercial LMFBR plants after SuperPhenix 9—97762
Aubert-Frecon, M. Evaluation of some two-centre integrals useful in molecular structure, involving shielded diatomic orbitals 9—49931

Aubert-Frecon, M. Spheroidal multipolar expansions for intermolecular energy in crystal theory. Lattice energy and cell dimensions of the orthorhombic structure of benzene crystal 9—51041

Aubin, M.J., Rambo, A. Shubnikov-de Haas type oscillations in the optical transmission of highly doped Cd_3As_2 9—61352

Auble, R.L. Nuclear data sheets for A=119 9—71780

Auble, R.L. *see* Reiley, T.C. 9—57192

Aubrecht, G.J., Nandi, S., Wada, W.W. Resonant production of high-transverse-momentum back-to-back gluon jets in pp collisions 9—93470

Aubrey, J.E., Anagnostopoulos, K., Hatzopoulos, Z. Diffusion size effects in bismuth 9—60824

Aubry, J.F., L'Huillier, J.P. Corona discharge. Identification and process of optimisation of the corrector for control of the current 9—92411

Aubry, S. The new concept of transitions by breaking of analyticity in a crystallographic model 9—77544

Auciello, O., Kelly, R., Iricibar, R. On the problem of the stability of pyramidal structures on bombarded copper surfaces 9—51170

Auclair, J.P. *see* Aknin, J.P. 9—68001

Aucouturier, M. *see* Asaoka, T. 9—73205

Aucouturier, M. *see* Chene, J. 9—99234

Aucouturier, M. *see* Huntz, A.M. 9—82376

Aucouturier, M. *see* Moulin, G. 9—74306, 9—74307

Aucouturier, M. *see* Ovejero-Garcia, J. 9—83203

Audekercke, R.Van *see* Van Audekercke, R.

Audenaert, M., Gusman, G., Mehbod, M., Deltour, R., Noirhomme, B., Donckt, E.V. Electrical properties of poly(2-vinylpyridine)-iodine films 9—73606

Audi, G. *see* Epherre, M. 9—54383

Audit, G. *see* Argan, P. 9—85453, 9—85454, 9—89291

Audit, T.E. *see* Freeman, T.L. 9—88000

Audoin, C., Lesage, P., Viennet, J., Barillet, R. Analysis of H-maser autotuning systems 9—55101

Audouze, J. *see* Rocca-Volmerange, B. 9—71024

Audretsch, J. Cosmological particle creation as above-barrier reflection: approximation method and applications 9—80377

Audretsch, J. Is the cosmological particle creation adequately described by an asymptotic in-out calculation? 9—88772

Audu, T.O.K. *see* Stojanov, C. 9—70410

Audzionis, A.I., Karpus, A.S. Particle properties of Sb_2S_3 single crystals in the region of the fundamental absorption edge 9—56817

Auer, A.H., Jr. *see* Komp, M.J. 9—53514

Auer, G. Amplitude dispersion of standing electron plasma waves 9—98900

Auer, G., Sauer, K., Baumgartel, K. Second-harmonic emission at resonance absorption 9—77391

Auer, I.P. *see* Beretvas, A. 9—89179

Auer, I.P. *see* Jonckheere, A. 9—63527

Auer, W. *see* Zwick, U. 9—50383

Auerbach, D.J. *see* Tellinghuisen, J. 9—98140

Auerbach, D.J. *see* Tsou, L.-Y. 9—72398

Auerbach, J.M., Bailey, D.S., Glaros, S.S., Koppel, L.N., Pan, Y.L., Richards, L.M., Slivinsky, V.W., Thomson, J.J. Neon spectral line broadening as a diagnostic for compressed laser-fusion targets 9—98979

Auerbach, J.M., Holmes, N.C., Hunt, J.T., Linford, G.J. Closure phenomena in pinholes irradiated by Nd laser pulses 9—89946

Auerbach, J.M. *see* Trainor, R.J. 9—55823

Auerbach, R.A. *see* Kny, E. 9—82467

Auerbach, S.P. Energy of waves in a plasma 9—94786

Auerbach, T., Halg, W., Pritzker, A., Zurkinden, A. Migma-type solutions of the Vlasov equation in cylindrical coordinates 9—81082

Auffredic, J.P., Louer, D., Bonjour, E., Lagnier, R. Heat capacity of three zinc hydroxynitrates in the range 5 to 300K 9—55900

Auffret, P. *see* Guegueniat, P. 9—84219

Augenshtain, K.Kh. *see* Apel', V.D. 9—67609

Augenstain, K.Kh. *see* Apel', V.D. 9—89194

Augenstein, K.H. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464

Auger, G. *see* Roulet, C. 9—75854

Auger, J.L., Coutanceau, J. On the complex structure of the downstream flow of cylindrical tube rows at various spacings 9—64812

Augis, J.A., Lo, C.C., Pinnel, M.R. The hardness and ductility of sputtered gold films [for contacts and connectors] 9—87025

Augsberger, A. Evaluation of ophthalmic materials 9—92426

Augstein, E. The atmospheric boundary layer over the tropical oceans 9—88460

Augusta, I. Nonsteady changes in structural thermophysics 9—81684

Augustin, H. *see* Ludewig, F. 9—79144

Augustin, J.E. Use of τ hadronic decay modes to study polarization near the Z^0 pole at LEP 9—97644

Augustin, S.D. *see* Ramaswamy, R. 9—54944

Augustine, L.J., Andersen, J. An algorithm for the design of transformerless broadband equalizers of ultrasonic transducers 9—94436

Augusto, R.P. *see* Lobo, P.C. 9—62023

Augustov, P.A., Shvarts, K.K. Surface recombination and photorefraction in $LiNbO_3$-Fe crystals 9—56759

Augustov, P.A. *see* Ozols, A.O. 9—55086

Augustovs, P.A., Shvarts, K.K. The effect of external electric field and light intensity on photorefraction in $LiNbO_3$ 9—56766

Augustson, R.H. Dynamic materials control development and demonstration program 9—85745

Augustyniak, B., Chomka, W. Amplitude dependence of the internal friction in CoPt alloy 9—95627

Augustyniak, W., Marcinkowski, A. Angular momentum effects in highly excited nuclei 9—49566

Auld, B.A. General electromechanical reciprocity relations applied to the calculation of elastic wave scattering coefficients 9—56729

Auld, B.A., Ayter, S., Tan, M. Theory of scattering of Rayleigh waves by surface breaking cracks 9—56058

Auld, B.A., Gagnepain, J.J. Shear properties of polarized PVF_2 film studied by the piezoelectric resonance method 9—99824

Auld, B.A., Pettibone, D.W. Processing of optical images with optically controlled acoustic transducers 9—50243

Auleytner, J. *see* Liliental, Z. 9—82210

Auleytner, J. *see* Slebarski, A. 9—91537

Aulich, H., Douklias, N., Harms, H., Papp, A. Low-birefringence silicone-clad fused-silica fiber for magneto-optic current measurements 9—50425

Aulich, H., Eisenrith, K.H., Kinshofer, G., Grabmaier, J., Mayr, E., Zeidler, G. Optical cables for short-distance communication systems 9—50427

Aulombard, R.L., Joullie, A. Melt growth and some electrical properties of GaSb-AlSb system 9—65999

Aulombard, R.L. *see* Robert, J.L. 9—60690

Auluck, S. *see* Ravindra, N.M. 9—65377

Auluck Sushil *see* Sushil Auluck

Aumann, D.C., Nirschl, E. A differential ionization chamber for the determination of small differences in decay rates of beta emitters 9—76256

Aumann, D.C., Presuhn, R., Weismann, D. Studies of the formation mechanism of aerosols in a gas jet recoil transport system using pure gases as carrier 9—97921

Aumann, H.H., Orton, G.S. The 12- to 20-micron spectrum of Venus: implications for temperature and cloud structure 9—66946

Aumento, F. Distribution and evolution of uranium in the oceanic lithosphere 9—84226

Aumiller, G.D. *see* Duguay, M.A. 9—76789

Aune, B., Juillard, M., Netter, F. The 500 MeV intense positron source of the Saclay linac 9—72171

Auner, G. *see* Weinberger, R. 9—80270

Aunon, J.I., Sencaj, R.W. Comparison of different techniques for processing evoked potentials 9—53268

Aunon, J.I. *see* Sencaj, R.W. 9—92414

Auphelle, D., Euve, F., Fitaire, M., Pointu, A.M., Vialle, M. Laser effects in a He-CO_2 mixture irradiated by the Caliban reactor 9—89889

Auracher, F., Kersten, R., Witte, H.H., Zeitler, K.H. Planar fan-out structure for multimode glass fibers 9—76845

Auracher, F. *see* Keil, R. 9—81547

Auracher, F. *see* Reichelt, A. 9—72701

Aurasmaa, H. *see* Uronen, P. 9—52988

Aurela, A.M. Counting a small number of radioactive atoms, second program 9—63637

Auret, F.D., Snyman, H.C., Ball, C.A.B. Electron microscope contrast from low misfit epitaxial interfaces 9—73416

Aurilia, A., Christodoulou, D. Theory of strings and membranes in an external field. I. General formulation 9—93341

Aurilia, A., Christodoulou, D. Theory of strings and membranes in an external field. II. The string 9—97574

Aurivillius, B. X-ray studies on mixed sodium lead bromide fluorides with the limiting composition $3PbF_2.PbBr_2$ and similar substances 9—60320

Aurora, P.R. *see* Huang, C.L. 9—68630

Aurouet, C. *see* Allemand, L. 9—81126

Aushermann, D.R., Alber, I.E., Baum, E. Acoustic suppression in a pulsed chemical laser 9—76680

Auslender, V.L., Salimov, R.A. Industrial electron accelerators designed at the Institute of Nuclear Physics, Siberian Branch, Academy of Sciences of the USSR 9—72032

Ausloos, M. *see* Sousa, J.B. 9—51787, 9—61108, 9—78075

Ausloos, P. *see* Rebbert, R.E. 9—52723

Aussourd, P. The energy balance of a nuclear power plant 9—63729

Aussourd, P., Bourillot, C., Caudron, L., Mery, P. An analysis of the operation of atmospheric coolants 9—66427

Aust, K.T. *see* Maak, P.Y.Y. 9—52137

Aust, K.T. *see* Waseda, Y. 9—66072

Aust, K.T. *see* Yamada, S. 9—96040

Austen, D.J. *see* Weichman, F.L. 9—97140

Austen, G.J.M., de Swart, J.J. The one photon exchange potential in configuration space 9—67527

Austen, G.J.M., Rijken, T.A., Verhoeven, P.A. Nucleon-nucleon potential from Regge-pole theory in momentum space 9—67525

Austen, I.M., McIntyre, P. Corrosion fatigue of high-strength steel in low-pressure hydrogen gas 9—79172

Austerman, S.B. *see* Shu-Cheng Yu 9—65036

Austin, G.L. *see* Bellon, A. 9—88443

Austin, I.G., Nashashibi, T.S., Searle, T.M., le Comber, P.G., Spear, W.E. Photoluminescence and lifetime studies on plasma discharge a-Si 9—61419

Austin, I.G. *see* Searle, T.M. 9—83026

Austin, J.A. *see* Coxon, J.A. 9—63985

Austin, M., Robinson, D.W. The use of real-time holographic interferometry for the measurement of the swelling of gelatin coatings 9—98316

Austin, M.W. *see* Paine, B.M. 9—73184

Austin, R.H. *see* Vaz, W.L.C. 9—83693

Austin, S. *see* Wu, T.M. 9—100664

Austin, S.M. A new technique for measuring ratios of elastic scattering cross sections: an application to the calcium isotopes 9—93634

Austin, S.M., Kashy, E., King, C.H., Markham, R.G., Redmount, I., Ronningen, R.M. Ratios of cross sections for elastic scattering of 30.3 MeV protons from $^{40,44,48}Ca$ 9—54441

Auston, D.H. Picosecond spectroscopy of semiconductors 9—93230

Auston, D.H., Golovchenko, J.A., Simons, A.L., Slusher, R.E., Smith, P.R., Surko, C.M., Venkatesan, T.N.C. Dynamics of laser annealing 9—69121

Auston, D.H., Golovchenko, J.A., Simons, A.L., Surko, C.M., Venkatesan, T.N.C. Dynamics of Q-switched laser annealing 9—78796

Auston, D.H., Golovchenko, J.A., Venkatesan, T.N.C. Dual-wavelength laser annealing 9—69117

Auston, D.H. *see* Surko, C.M. 9—69918, 9—74023

Auston, D.H. *see* Venkatesan, T.N.C. 9—73198, 9—95036

Auth, D.C. *see* Gulacsik, C. 9—79598

Auth, J., Hartmann, U. Experimental sampling error investigation 9—75613

Authier, A. Contrast of images in X-ray topography 9—68979

Authier, B.F. PERICLES: design of a stationary spherical collector 9—62107

Autin, B. Dispersion suppression with missing magnets in a FODO structure application to the CERN antiproton accumulator 9—72162

Autric, M., Caressa, J.-P., Dufresne, D., Bournot, P. Experimental study of the propagation in air of the high energy pulse from a CO_2 laser 9—73021

Autruffe, M.I. *see* Kazimi, M.S. 9—85650

Auvergne, M., Le Contel, J.-M., Baglin, A. γ Boo, a classical evolved δ Scuti star 9—75219

Auvermann, H.J. *see* Pinnick, R.G. 9—66369

Auvert, G., Marechal, Y. H-bonds of adipic acid crystals. III. Measurement of the various anharmonic couplings of the O-H (O-D) stretching bands 9—91422

Auweter, H., Braun, A., Mayer, U., Schmid, D. Dynamics of energy transfer by singlet excitons in naphthalene crystals as studied by time-resolved spectroscopy 9—83032

AuYeung, J., Yariv, A. Theory of CW Raman oscillation in optical fibers 9—81439

Auyeung, J. *see* Yariv, A. 9—55171

Auzel, F. The auto-extinction of Nd^{3+}: Fundamental mechanism and predicative criterion of simple minilaser materials 9—59702

Auzel, F. *see* Budin, J.-P. 9—55140

Avaeva, I.G., Kopylov, Yu.L., Kravchenko, V.B., Sobolev, A.T., Filimonova, L.M. Thin single-crystal dielectric films for optoelectronic applications 9—78623

Avaeva, I.G., Kravchenko, V.B., Lisovskii, F.V., Mansvetova, E.G., Shapovalov, V.I. Multilayer structures of epitaxial films of ferrite garnets for magnetic bubbles 9—78489

Avagimov, A.A., Zhdanova, O.N. Anomaly of the variable geomagnetic field in Soviet central Asia 9—62431

Avakyan, A.A. *see* Khrimyan, A.V. 9—80111

Avakyan, E.M., Alaverdyan, S.A., Belabaev, K.G., Sarkisov, V.Kh., Tumanyan, K.M. Characteristics of the induced optical inhomogeneity of $LiNbO_3$ crystals doped with iron ions 9—69806

Avakyan, E.O. *see* Avakyan, R.O. 9—59051

Avakyan, R.O., Armaganyan, A.A., Kosakov, I.Kh., Petrosyan, Zh.V., Taroyan, S.P. On the possibility of using the quasimonochromatic photon beam to measure energy dependence of reactions 9—75970

Avakyan, R.O., Avakyan, E.O., Avetisyan, A.E., Armaganyan, A.A., Akopov, N.Z., Bezverkhaya, A.P., Vartapetyan, G.A., Garibyan, Yu.A., Gindoyan, S.G., Danagulyan, S.S., Eganov, V.S., Iskandaryan, A.G., Kosakov, I.Kh., Mirzoyan, R.M., Oganesyan, A.A., Oganesyan, M.A., Petrosyan, Zh.V., Sarkisyan, R.Ts., Skhtoryan, E.M., Taroyan, S.P., Elbakyan, G.M., Marukyan, G.O. Measurement of asymmetry in the π^0-meson photoproduction cross section for the pion emission angles of 40 and 50° in CMS in the resonance region 9—59051

Avakyan, R.O. *see* Miroshnichenko, I.I. 9—78785

Avakyan, S.V. Doubly charged ions of atomic oxygen in the disturbed ionosphere 9—62647

Avakyan, V.V., Avundzhyan, A.T., Antonyan, K.G., Kazaryan, S.P., Kankanyan, S.A., Oganessyan, A.G., Sarkisyan, A.S., Tamanyan, A.G. Monte-Carlo simulation of XTR-detector for the experimental study of cosmic ray hadrons interactions in (500-5000) GeV range 9—49564

Avaliani, M.A. *see* Chudinova, N.N. 9—52641, 9—52642

Avalos-Borja, M. *see* Torres-Villasenor, G. 9—61599

Avanzini, P.G., Valentini, P., Bottiglioni, F., Casalini, P., Salgo, C., Cavalleri, P., Cumo, M., Scibona, G., Di Sciascio, N., Panzeri, D., Rinaldi, F., Vacchiano, S. Design, R & D, and manufacture of the components of secondary circuits for fast sodium power plant 9—97793

Avanzini, P.G. *see* Antoni, R. 9—49646

Avanzini, P.G. *see* Bragagnoli, F. 9—97782

Avaritsiotis, J.N. *see* Howson, R.P. 9—87588

Avarmaa, R.A., Suisalu, A.P. Optical detection of the pseudonuclear Zeeman effect in the triplet state 9—78571

Avarmaa, R.A., Suisalu, A.P. Spin-lattice relaxation in triplet state of PO_2^- centers in KBr and KCl 9—95644

Avarmaa, R.A., Temkivi, R.P. Dependence of decay times of chlorophyll fluorescence on luminescence and excitation wavelengths 9—66447

Avarmaa, R.A. *see* Tamkivi, R.P. 9—86007

Avatkov, O.N., Aslanidi, E.B., Bakhtadze, A.B., Zainullin, R.I., Turishchev, Yu.S. Multiphoton absorption and dissociation of hexafluoroacetone in a strong infrared CO_2 laser field 9—98172

Avchukhov, V.D., Al-Amili, M.A., Akhmed, M.R., Baskova, K.A., Vovk, A.B., Govor, L.I., Demidov, A.M. Excitation of the levels of ^{188}W in the (n,n'γ) reaction 9—75842

Avchukov, V.D., Akhmed, M.R., Baskova, K.A., Vovk, A.B., Govor, L.I., Demidov, A.M. Excitation of the levels of ^{184}W in the (n,n'γ) reaction 9—75841

Avci, H.I., Kulcinski, G.L. Advantages of liquid Pb-Li alloy spectrum shifters in laser fusion reactors 9—49841

Avci, H.I., Kulcinski, G.L. The effect of liquid-metal protection schemes in inertial confinement fusion reactors 9—76118

Avci, R., Flynn, C.P. Charge transfer and percolation in alkali-metal alloys 9—95372

Avci, R., Flynn, C.P. Halogen charge-transfer excitations in alkali metals 9—95815

Avdeenko, A.A., Kononenko, A.I., Pakulov, S.N. Effect of spin-lattice relaxation on phosphorescence kinetics in benzil single crystals 9—87485

Avdeenko, A.A., Naboikin, Yu.V. Some phosphorescence properties of organic molecular crystals in optical spin alignment (review) 9—95827

Avdeev, G.N. *see* Goptarev, N.P. 9—57967

Avdeev, N.V. *see* Martynov, V.A. 9—95976, 9—100071

Avdeev, V.L., Kats, Ya.G., Fel'dman, V.I. Traces of meteorites on the surface of planets 9—101098

Avdeeva, A.A. *see* Tishina, T.A. 9—53015

Avdeeva, D.K. *see* Samokhvalov, S.Ya. 9—57782

Avdeichikov, V.V., Beznogikh, G.G., Budilov, V.A., Devenski, P.A., Zhidkov', N.K., Kirillova, L.F., Kanazirski, K.M., Nikitin, V.A., Nomokonov, P.V., Shavlovski, M., Shchepankovski, T. Small-angle elastic Hed scattering at 9.0 and 19.8 GeV/c 9—97711

Avdeyeva, O.S. *see* Kuropteva, Z.V. 9—79469

Avduyevskiy, V.S., Kalashnik, V.N., Kopyatkevich, R.M. Investigation of free-convection heat transfer in gas-filled porous media at high pressures 9—98796

Avdyushin, S.I. *see* Pereyaslova, P.K. 9—84600

Aveline, I., Inglesias-Sicardi, J.R. A theoretical study of the valence transition in $Sm_{1-x}M_xS$ alloys 9—69474

Avenel, O., Berglund, P., Bloyet, D., Varoquaux, E., Vibet, C. Spin relaxation in ^{3}He-B far below T_c 9—51353

Avenel, O. *see* Bloyet, D. 9—55989

Avenel, O. *see* Roubeau, P. 9—58701

Aveni, A.F. Venus and the Maya 9—88782

Aveni, A.F., Buckingham, B., Hartung, H. The pecked cross symbol in ancient Mesoamerica 9—53954

Averback, R.S., Benedek, R., Merkle, K.L., Singer, L.R. The determination of electronic stopping powers of light ions in metals from damage-rate measurements 9—77654

Averbakh, V.S., Betin, A.A., Gaponov, V.A., Makarov, A.I., Pasmanik, G.A., Talanov, V.I. Induced scattering and self-action in gases and their effect on propagation of optical radiation (survey) 9—72628

Averbuch-Pouchot, M.T. Structure of potassium-zinc acid monophosphate: $KZn_2H(PO_4)_2$ 9—69080

Averbuch-Pouchot, M.T., Tordjman, I., Durif, A., Guitel, J.C. Structure of ammonium paratungstate $(NH_4)_6H_6W_{12}O_{42}.10H_2O$ 9—77560

Averbuch-Pouchot, M.T. *see* Durif, A. 9—69076, 9—69077, 9—69082

Averbukh, B.B., Sokolovskii, R.I. Effect of relaxation processes on the resonance scattering spectrum of a powerful light wave 9—98046

Averbukh, I.I. Accelerating resonator for an ion synchrotron 9—97914

Averbukh, I.I., Karliner, M.M. Tuned power amplifier for the supply of the accelerating resonator of an ion synchrotron 9—68063

Averbukh, I.Sh., Kovarsky, V.A., Perelman, N.F. The diffractional grating effect in the luminescence of a pulse excited multilevel system 9—50272

Averichev, S.A. *see* Aksenov, V.G. 9—54224

Averin, V.G., Alimpiev, S.S., Baronov, G.S., Karlov, N.V., Karchevskii, A.I., Martsynk'yan, V.L., Nabiev, Sh.Sh., Sartakov, B.G., Khokhlov, E.M. Spectroscopic characteristics of an optically pumped carbon tetraflouride laser 9—89896

Averin, V.Z. *see* Romanenko, N.T. 9—77142

Averkiev, V.P., Generalova, V.V. Development of common methods and means of dosimetry for radiation-technological apparatus in the countries of COMECON 9—93836

Averkieva, G.K., Mamedov, A., Prochukhan, V.D., Rud', Yu.V. Diode structures made of $MgSiP_2$ crystals 9—51665

Averkin, A.A., Bushmarina, G.S., Drabkin, M.A., Sanifirov, Yu.Z. Influence by hydrostatic compression on the electrical properties of Ga-doped $Pb_{1-x}Ge_xTe$ 9—73516

Averkin, A.A., Gryaznov, O.S., Sanfirov, Yu.Z. Influence of hydrostatic pressure on galvanothermomagnetic properties of n-type bismuth telluride 9—73536

Averkin, A.A., Sanfirov, Yu.Z., Terukov, E.I., Chudnovskii, F.A. Influence of hydrostatic pressure on the temperature of a metal-insulator phase transition in V_4O_7 9—73438

Averkin, A.N., Ozhogin, V.I. Stripe domain structure with two periods 9—69706

Averkin, B.A., Volodin, V.P., Gut, S.B. Creep of polyolefins 9—100221

Averochkin, V.A. *see* Sverdlik, M.B. 9—81340

Averous, M. *see* Fau, C. 9—82595

Aversa, J. *see* Saha, S. 9—92286

Avery, J., Ormen, P.-J. Generalized scattering factors and generalized Fourier transforms 9—99020

Avery, L.W., Oka, T., Broten, N.W., MacLeod, J.M. Cyanodiacetylene (HC_5N) in Sagittarius B2 9—92817

Avery, L.W. *see* MacLeod, J.M. 9—92822

Avery, P. *see* Atiya, M.S. 9—80831

Avery, R. *see* Reimers, R. 9—68103

Avery, R. *see* Rose, D. 9—49773

Avery, R.T., Chan, T., Halbach, K., Main, R., Tanabe, J. PEP insertion quadrupole design features 9—68105

Avery, W.H. The prospects for ocean thermal energy conversion 9—87960

Aver'yanov, A.A. *see* Pogosyan, S.I. 9—70534

Aver'yanov, E.M., Aleksandrov, K.S., Shabanov, V.F. Change of anisotropy of internal field during phase transition and exact determination of ordering parameter by optical methods 9—86711

Aver'yanov, E.M., Shabanov, V.F. Internal field anisotropy in nematic liquid crystals 9—94898

Averyanov, E.M., Vaitkyavichyus, A., Korets, A.Ya., Sirutkaitis, R., Sorokin, A.V., Shabanov, V.F. Study of the orientation-statistical properties of liquid crystals of the tolane class by optical methods 9—77518

Aver'yanov, G.A., Voronov, A.S., Chistyakov, S.N. Optoelectronic unit for the investigation of pulsed light signals 9—93216

Avery'yanov, E.M., Shabanov, V.F. The possibility of determining the orientational order in cholesteric liquid crystals by means of birefringence 9—94902

Avetisyan, A.E. *see* Avakyan, R.O. 9—59051

Avetisyan, G.K., Sedrakyan, D.M., Khachatryan, B.V. Radiation from an electron in a strong monochromatic wave at the end of an open waveguide 9—55039

Avetisyan, S.K., Karakhanyan, K.I., Kazaryan, E.M., Bezigganyan, P.A. X-ray exciton spectrum in a strong magnetic field 9—95338

Avetisyan, Yu.L. *see* Korshak, V.V. 9—57123

Avetyan, F.A. *see* Marutyan, N.A. 9—67616

Avez, A., Heslot, A. Lie algebra of polynomials under Poisson brackets with canonical coordinates 9—71223

Avezov, R.R. *see* Umarov, G.Ya. 9—94464

Avgonov, A. *see* Nikishin, E.L. 9—95217

Avias, J. Possible applications of teledetection for listing and characterizing ground water resources 9—96776

Avignant, D., Carre, D., Collins, R., Wold, A. High pressure phase transformation studies of $Pd_{1-x}M_xSe_2$ (M=Ru,Co,Ni) 9—65187

Avignant, D. *see* Sabatier, R. 9—69068

Avignon, M. *see* Bennemann, K.H. 9—95104

Avignon, M. *see* Massenet, O. 9—91214

Avignon, T., Bouscasse, L. Force constants calculation by molecular SCF method with a fixed orbitals basis 9—94107

Avignon, T. *see* Loridan, G. 9—49936

Avignone, F.T., III, Greenwood, Z.D. A Monte-Carlo evaluation of an improved-sensitivity ^{76}Ge double-beta-decay experiment 9—49892

Avignone, F.T., III *see* Girard, T.A. 9—63973

Avila, C.Rodriguez de *see* Rodriguez de Avila, C.

Avilez, C. Dose colour shine in deep inelastic muon scattering at large Q^2? 9—93374

Avilez, C., Cocho, G. On the constraints that duality imposes on the broken $SU(6)_W$ structure of the baryonic resonance photocouplings 9—71649

Avilez, C., Cocho, G. Broken $SU(6)_w$ analysis of electroproduction 9—93436

Avilez, C., Kobayashi, T. Comment on neutrino production of ground-state charmed baryons 9—93400

Avilez, C., Ley-Koo, E., Moreno, M. Comments on the observability of tauonium 9—63464

Avillez, R.R. *see* Meyers, M.A. 9—57039

Avilov, A.S. Electrical measurement of reflection intensities on electron diffraction from mosaic single crystals 9—94851

Avilova, G.M., Rybak, S.A. Normal modes in layered cylindrical shells 9—94548

Avilova, G.M., Tartakovskii, B.D. Temperature characteristics of the loss factors of three-layer vibration-absorbing structures 9—64395

Avirah, T.K., Malloy, T.B., Jr., Cook, R.L. The microwave spectrum and conformation of 1,3-cycloheptadiene 9—98074

Avis, S.J., Isham, C.J. Lorentz gauge invariant vacuum functionals for quantized spinor fields in non-simply connected space-times 9—89061

Avishai, Y., Giraud, N., Fayard, C., Lamot, G.H. Practical scheme for low energy π-d scattering 9—75792

Avishai, Y., Mizutani, T. A new set of equations for the coupled πNN-NN system 9—85371

Avishai, Y., Mizutani, T. New approach to the theory of coupled πNN-NN systems. I. Practical equations and unitarity 9—97659

Avishai, Y. *see* Giraud, N. 9—75791

Avitabile, G., Napolitano, R., Riva, F. Elastic modulus of the crystalline phase of poly(cis 1,4-isoprene) 9—57037

Avizonis, P. *see* Nagel, J. 9—94262

Avksentyuk, B.P. *see* Kutateladze, S.S. 9—94466

Avni, R. *see* Heinrich, G. 9—87843

Avogadro, A. *see* Murray, C.N. 9—70471

Avotin'sh, Yu.E., Briedis, V.M., Mozgirs, V.Ya., Tiliks, Yu.E. The installation for measuring luminescence during dissolution of solid matter 9—93202

Avouris, P., Chan, I.Y., Loy, M.M.T. The infrared-laser multiple-photon ionization of nitromethane 9—74403

Avouris, P., Loy, M.M.T., Chan, I.Y. Some aspects of the infrared multiple photon dissociation of ammonia 9—68276

Avouris, P. *see* Parker, D.H. 9—98164

Avram, E. *see* Popovici, C. 9—86638, 9—86639

Avramides, E., Hunter, T.F. Analysis of energy transfer for thermally available vibrational energy levels as measured by photoacoustic and infrared emission techniques 9—72402

Avramidis, I.E. A two component finite element for determining transverse loads in unidirectional composites 9—49043

Avron, J.E., Seiler, R. Paramagnetism for nonrelativistic electrons and Euclidean massless Dirac particles 9—63396

Avrov, A.I. Stimulated Raman scattering of finite-wavelength electromagnetic waves in a magnetoactive plasma 9—64876

Avrunina, G.V. *see* Pavlov, V.A. 9—95975

Avtonomov, G.A. *see* Baranov, N.G. 9—96154

Avtonomov, V.P., Alexandrescu, R., Dumitras, D., Dutu, D. Possible stabilization of the frequency of a CO_2 laser using an external Stark cell containing 1-1 difluoroethane 9—94266

Avtonomov, V.P., Zavertyaev, M.V., Kochetkov, Yu.A., Ochkin, N.N., Sobolev, N.N. Laser line selection in an electric-discharge CO laser 9—59687

Avtonomov, V.P. *see* Alexandrescu, R. 9—59667

Avundzhyan, A.T. *see* Avakyan, V.V. 9—49564

Awad, J. *see* Guidoin, R. 9—53278

Awad, M. *see* Morel, R. 9—64664

Awadalla, N.S., Budding, E. The system WY Cnc and derivation of absolute information at the lower end of the main sequence 9—92799

Awai, I., Miyazaki, S., Ikenoue, J. An analysis of nonreciprocal light coupler 9—76872

Awaji, H., Sato, S. Study of combined mode fracture criterion by the disk test 9—66153

Awaji, H. *see* Sato, S. 9—91868

Awakura, Y., Ebata, A., Kondo, Y. Distribution of local current densities during copper electrodeposition on a plane vertical cathode 9—70338

Awal, N.A., Zuk, W.M., Sen Gupta, H.M. The gamma-decay of the 1644 and 1650 keV resonances in the $^{44}Ca(p,\gamma)^{45}Sc$ reaction 9—80908

Awasthi, A.K. *see* Khattri, K. 9—92503

Awasthi, R.K. *see* Sharma, P.K. 9—69209

Awasthy, K.L., Sharma, J.P. An experimental study of wear of ferrous metals 9—87738

Awatani, J., Katagiri, K., Koyanagi, K. A study of the effect of stacking fault energy on fatigue crack propagation ad deduced from dislocation patterns 9—61719

Awatani, J. *see* Kaneshiro, H. 9—61781

Awaya, H. *see* Fujiyama, M. 9—94578

Awaya, Y. *see* Uda, M. 9—59392

Awerbuch, J., Hahn, H.T. Crack-tip damage and fracture toughness of boron/aluminum composites 9—57093

Awes, T.C. *see* Shotter, A.C. 9—89275

Awojobi, A.O. *see* Smith, W.M.R. 9—68540

Awschalom, M., Grumboski, L., Hrejsa, A.F., Lee, G.M., Rosenberg, I. The Fermilab cancer therapy facility: status report after 2.5 years of operation 9—79628

Axan, B.M., O'Callaghan, M.J., Schroeder, P.A. A standard of thermopower for use in a magnetic field 9—78081

Axe, J.D. Charge density wave instabilities and incommensurate structural phase transformations 9—51231

Axe, J.D. Fluctuations and freezing in a one-dimensional liquid: $Hg_{3-\delta}AsF_6$ 9—82301

Axe, J.D. *see* de Pater, C.J. 9—82936

Axe, J.D. *see* Heilmann, I.U. 9—95103

Axel, P., Cardman, L.S., Graef, H.D., Hanson, A.O., Hoffswell, R.A., Jamnik, D., Sutton, D.C., Taylor, R.H., Young, L.M. Operating experience with MUSL-2 9—72042

Axelrad, D.R. Theory of bond failure in hydrogen-bonded solids 9—73246

Axelrod, D. Carbocyanine dye orientation in red cell membrane studied by microscopic fluorescence polarization 9—83694

Axelsson, A. *see* Axelsson, K. 9—92392

Axelsson, B., Bergstrom, M. Radiation dose related to collimator geometry in the first generation EMI scanner 9—74760

Axelsson, K., Axelsson, A., Jonsson, A. Aspects on personal noise protection 9—92392

Axelsson, O., Gustafsson, I. A modified upwind scheme for convective transport equations and the use of a conjugate gradient method for the solution of non-symmetric systems of equations 9—77107

Axelsson, O., Munksgaard, N. A class of preconditioned conjugate gradient methods for the solution of a mixed finite element discretization of the biharmonic operator 9—72795

Axen, D.A. *see* Bugg, D.V. 9—67594

Axen, K., Sperber Haas, S. Range of first-breath ventilatory responses to added mechanical loads in naive men 9—100654

Axenfeld, F. Contributions to the meteorology of a steppe (Tsumeb/S.W.A.). XI. Universal profiles of the atmospheric boundary layer in the rainy season 9—84420

Axford, D.J. Chalk River—supporting Canada's power reactor programme 9—81073

Axford, D.N. Operation of meteorological sensors in the offshore environment 9—70866

Axford, D.N. The use of automatic weather stations in the observational network of the United Kingdom 9—80047

Axford, W.I. *see* McKenzie, J.F. 9—96876

Axford, W.I. *see* Richter, A.K. 9—75045

Axon, D.J. *see* Taylor, K. 9—88724

Ayabe, M. *see* Kaneko, K. 9—65992

Ayache, C. *see* Ayasse, J.B. 9—51190

Ayad, F.M. *see* Kotkata, M.F. 9—77522, 9—99076

Ayada, M. *see* Shinto, H. 9—100182

Ayala, J. *see* Rivas, J. 9—56572

Ayano, T., Kawamura, K., Ohno, H., Furukawa, K. Structural analysis of amorphous $Pd_{0.8}Si_{0.2}$ alloy by the dense random packing model of differently sized compressible spheres 9—51003

Ayasse, J.B., Ayache, C., Jager, B., Bonjour, E., Spain, I.L. On the softening of the elastic constant, C_{44}, in graphite 9—51190

Ayazyan, A.A. *see* Akopov, L.I. 9—72510

Aydinli, A., Mattauch, R.J. Characterization of epitaxial and bulk gallium arsenide 9—82596

Ayers, A.L., Barnes, L.D. The development of an advanced safeguards system as a proliferation deterrent 9—89383

Ayers, J.D., Richards, L.E. Phase stability in the Ti-Ta-Co system 9—61580

Ayers, J.D., Schaefer, R.J. On the shape of grain boundary grooves at a solid/liquid interface 9—65101

Aylor, D.E. *see* Shaw, R.H. 9—100917

Ayman Shibib, M., Lindholm, F.A., Therez, F. Heavily doped transparent-emitter regions in junction solar cells, diodes, and transistors 9—96444

Aymar, M., Coulombe, M. Theoretical transition probabilities and lifetimes in Kr I and Xe I spectra 9—54793

Aymerich, F., Meloni, F., Mula, G. Electron band structure of α-$ZnIn_2S_4$ and related polytypes 9—51485

Aymerich-Humet, X., Serra-Mestres, F. Resonant tunneling current for general junction potential barrier 9—51656

Ayoub, N.Y., Mavromatis, H.A. Fourth-order high-lying contributions to the ground-state energies of some closed-shell nuclei 9—75850

Ayrapetov, A.B. Statistical properties of a system of discrete eddies simulating turbulent jet flow 9—98771

Ayres, R.A. Alloying aluminum with magnesium for ductility at warm temperatures (25 to 250°C) 9—100214

Ayres, R.A., Wenner, M.L. Strain and strain-rate hardening effects in punch stretching of 5182-0 aluminum at elevated temperatures 9—56998

Ayres, T.R., Linsky, J.L., Garmire, G., Cordova, F. A search for coronal soft X-ray emission from cool stars with HEAO 1 9—101140

Ayres, T.R. *see* Cash, W. 9—97035

Ayrey, G., Chapman, J.M. Inexpensive sealed standards for liquid scintillation counting 9—68145

Ayscough, P.B., Morris, H., Wilson, J.A. Application of computer-assisted learning methods in the teaching of chemical spectroscopy 9—84906

Aysto, J. *see* Honkanen, J. 9—49607

Aytekin, A., Berger, F.P. Turbulent flow in rectangular ducts with low aspect ratios having one rough wall 9—55362

Ayter, S. *see* Auld, B.A. 9—56058

Ayub, F.M.Mohammed *see* Mohammed Ayub, F.M.

Ayub, S.M. Ultra high velocities in relativity 9—88802

Azakami, T. *see* Seko, T. 9—55093

Azam, N., Le Naour, L., Rivera, C., Grosjean, P., Sacovy, P., Delaplace, J. Crystallisation and effects of irradiation in an amorphous alloy of type $Fe_{40}Ni_{38}Mo_4B_{18}$ 9—90558

Azancot, L., Vannier, D., Kedra, A.W., Rosengarten, M., Slama, R., Bouvrain, Y. Angiographic frame-by-frame computerized evaluation of overall and regional left ventricular wall motion 9—70634

Azarenkov, N.A., Kondratenko, A.N. Excitation of longitudinal waves in a semibounded plasma by obliquely incident electromagnetic waves 9—82067

Azarkh, S.L., Vasil'ev, M.B., Vinogradov, V.A., Vyshlov, A.S., Kolosov, M.A., Mesterton, A.P., Savich, V.A., Samovol, V.A., Samoznaev, L.N., Sidorenko, A.I., Shnygin, Yu.N. Preliminary results of two-frequency radioscopy of the nighttime ionosphere of Venus with simultaneous use of space probes Venera 9 and Venera 10 9—62778

Azaroff, L.V. *see* Pease, D.M. 9—69653

Azarov, N.I. *see* Maksimovich, G.G. 9—52346

Azarov, N.Ya., Fil'bershtein, P.G. Interference waves applied in seismic tracing of coal formations 9—74858

Azarova, O.N., Ivanov, A.A., Soboleva, T.K. Stability of plane electron beams in a spatially-limited plasma 9—98923

Azatyan, T.S., Mal'tsev, V.M., Merzhanov, A.G., Seleznev, V.A. Radiating power of a self-propagating high-temperature synthesis wave 9—100377

Azbel, M.Ya. Transmission of microwaves through thin disks 9—60864

Azbel, M.Ya. Electron resonances and energy spectrum 9—61225

Azbukin, V.G. *see* Maksimovich, G.G. 9—100233

Azechi, H. *see* Yamanaka, C. 9—82070

Azekura, K. A new finite-element solution technique of neutron diffusion equations 9—89347

Azema, A., Botineau, J., Gires, F., Saissy, A. Low-frequency TM modes guided in a dielectric slab deposited on a conducting substrate 9—72458

Azema, A. *see* Saissy, A. 9—78674

Azevedo, L.J., Chaikin, P.M., Clark, W.G., Fuller, W.W., Hammann, J. Thermopower of $(SN)_x$ at low temperatures 9—56356

Azevedo, L.J., Clark, W.G., Murayama, C., McCallum, R.W., Johnston, D.C., Maple, M.B., Shelton, R.N. Low temperature specific heat of the magnetic superconductor $Gd_{1.0}Mo_6Se_8$ 9—56380

Azevedo, L.J., Follstaedt, D., Narath, A. NMR of Cu satellites in the Kondo alloy CuCr 9—73837

Azevedo, L.J., Narath, A., Richards, P.M., Soos, Z.G. Observation of the dynamic behavior of the antiferromagnetic-ferromagnetic phase transition in the one-dimensional spin-1/2 antiferromagnet α-CuNSal 9—73715

Azevedo, L.J., Narath, A., Richards, P.M., Soos, Z.G. Simultaneous fermion and boson spin dynamics in a one-dimensional antiferromagnet 9—99786

Azhar, I.A. *see* Durrani, I.R. 9—60132

Azhazha, V.M. *see* Startsev, V.E. 9—95389

Azhogin, F.F., Gershunov, E.M., Ivanov, E.S., German, M.F., Vysotskaya, V.N., Sakharov, A.V., Ivanov, S.S. Creation of biaxial tensile stresses in investigating the corrosion of metals under stress 9—57174

Azimov, S.A., Abduzhamilov, Sh., Gadzhieva, S.I., Dzhuraev, M., Kuvatov, O.T. Study of particle clustering in six-prong pp interactions at 25 and 200 GeV/c using parameter-invariant quantities 9—80857

Azimov, S.A., Abuzhamilov, Sh., Gadzhieva, S.I., Dzhuraev, M., Kuvatov, O.T. Analysis of four-prong pp interactions at 25 and 200 GeV/c using parameter invariant quantity 9—49559

Azimov, S.A., Chernova, L.P., Chernov, G.M., Gulamov, K.G., Navotny, V.Sh., Petrov, V.I. The multiple scattering model analysis of high energy multiparticle production on emulsion nuclei 9—67782

Azimov, S.A., Gulamov, Sh.A., Katulevskii, Yu.A., Muminov, R.A. Double injection of a strongly degenerate plasma. Volume controlled current regime 9—51658

Azimov, S.A., Katulevskii, Yu.A., Muminov, R.A., Rakhimova, A.G. Experimental observation of the pinch effect in silicon 9—90971

Azimov, S.A., Mirsagatov, Sh.A., Rasulov, D.T. Coordinate-sensitive photoelements based on pCdTe-nCdS heterojunctions 9—95440

Azimov, S.A., Saidkhanov, N.Sh., Suleimanova, M. Study of isobar production in proton diffractive dissociation into $p\pi^+\pi^-$ system 9—80836

Azimov, S.A., Yunusov, M.S., Nurkuziev, G., Karimov, F.R. Diffusion of osmium in silicon 9—51314

Azimov, S.A., Yunusov, M.S., Nurkuziev, G., Makhkamov, Sh. Photoelectric properties of osmium-doped silicon 9—91099

Azimov, S.A. *see* Baiburina, S.G. 9—80156, 9—80170

Azimov, Sh.Yu. *see* Ismatov, A.A. 9—65711

Azimov, Ya.I., Frankfurt, L.L., Khoze, V.A. New particle in e^+e^- annihilation: the heavy lepton $\tau^{\pm}$ 9—49505

Azimov, Ya.I. *see* Anselm, A.A. 9—80769

Aziz, A. Optimum rectangular convective fin with tip heat loss and having temperature dependent thermal conductivity 9—72780

Aziz, K. *see* Nicholson, M.K. 9—64740

Aziz, R.A. An improved potential for krypton 9—81250

Aziz, R.A., Nain, V.P.S., Carley, J.S., Taylor, W.L., McConville, G.T. An accurate intermolecular potential for helium 9—68291

Aziz, R.A., Presley, J., Buck, U., Schleusener, J. An accurate intermolecular potential for Ar-Kr 9—68292

Aziz, T., Zafar, M. A model for multiparticle production in high energy hadronic collisions 9—80790

Aziza, A. *see* Nakashima, S. 9—99878

Aziza, A. *see* Ushioda, S. 9—73451

Azizov, A.V. *see* Leonyuk, N.I. 9—86731

Azizov, A.V. *see* Sokolova, E.V. 9—86775

Azizov, B.M. *see* Nabiev, M.A. 9—73764

Azizyan, A.O., Klinger, M.I. Quantum theory of the protonic conductivity of hydrogen-bonded crystals 9—90816

Azizyan, H.V., Aleksanyan, A.C., Pogosyan, K.P. The experimental determination of the frequency spectrum of random displacements of a laser beam in the atmosphere 9—96813

Azman, A. *see* Borstnik, B. 9—55633

Azman, A. *see* Kertesz, M. 9—49963, 9—56483, 9—60671, 9—69392

Azman, A. *see* Pumpernik, D. 9—90735

Azou, P. *see* Prioul, C. 9—100204

Azoulay, E., Rosenwaks, S. Dynamics of a CO chemical laser initiated by flash photolysis of CS_2-NO_2 9—86172

Azoulay, J., Ley, L. The magnetic moment of iron in Gd-Fe intermetallic compounds 9—78846

Azoulay, J. *see* Riley, J.D. 9—95315

Azouni, M.A. Local temperature measurements over ice-water interface and convective flow patterns 9—73293

Azria, R. *see* Tronc, M. 9—76523, 9—86074, 9—86077

Azuelos, G. *see* Navon, I. 9—63705, 9—85543

Azuma, K. The spirit behind US-Japanese cooperation in science and technology 9—58518

Azuma, K. *see* Fujiyama, M. 9—94578

Azuma, N., Yamada, T., Kuwabara, S. Process of formation and growth rates of the Si_2ON_2 needle crystals obtained by the nitridation of silicon-silica powder compacts 9—56921

Azuma, N., Yamada, T., Kuwabara, S. Process of formation and growth rates of the Si_2ON_2 needle crystals obtained by the nitridation of silicon-silica powder compacts 9—91574

Azuma, R.E., Borchert, G.L., Carraz, L.C., Hansen, P.G., Jonson, B., Mattsson, S., Nielsen, O.B., Nyman, G., Ragnarsson, I., Ravn, H.L. The strongly deformed nucleus ^{100}Sr. The ISOLDE collaboration 9—93550

Azumi, M. *see* Okamoto, M. 9—55541

Azumi, T. *see* Murao, T. 9—69878

Azumi, T. *see* Saigusa, H. 9—95819

Azzam, R.M.A. Reflection of an electromagnetic plane wave with 0 or π phase shift at the surface of an absorbing medium 9—59619

Azzam, R.M.A. Transformation of Fresnel's interface reflection and transmission coefficients between normal and oblique incidence 9—72478

Azzam, R.M.A. On the reflection of light at 45° angle of incidence 9—72482

Azzam, R.M.A. Relations between amplitude reflectances and phase shifts of the p and s polarizations when electromagnetic radiation strikes interfaces between transparent media 9—76578

Azzam, R.M.A. Optical detection of cell-surface changes associated with malignant transformations in vitro 9—79703

Azzam, R.M.A. Direct relation between Fresnel's interface reflection coefficients for the parallel and perpendicular polarizations 9—94147

Azzoni, C.B., Del Nero, G.L., Krajewski, A., Ravaglioli, A. Crystal-field modifications in Cu^{2+} doped lead glazes by alkaline substitution 9—95634

Azzopardi, M., Breysacher, J. A search for new Wolf-Rayet stars in the Small Magellanic Cloud 9—67014

Azzopardi, M., Breysacher, J. New Wolf-Rayet stars in the Large Magellanic Cloud 9—67018

B, M.A.Rossell *see* Rossell B, M.A.

Ba An Nguyen *see* Nguyen Ba An

Ba Truong Thu *see* Thu Ba Truong

Baacke, J. On the divergence of parton distributions for static bags 9—54313

Baader, H.A. *see* Van den Cruyce, J.M. 9—93491

Baadsgaard, H. *see* Lerbekmo, J.F. 9—57888

Baak, D.A.Van *see* Van Baak, D.A.

Baaklini, N.S. Nonlinear de Sitter symmetry and restricted space-time regions in gravity and supergravity 9—85043

Baaklini, N.S., Salam, A. Non-metrical supergravity for a spin-two nonet 9—71333

Baal, C.M.Van *see* Van Baal, C.M.

Baarli, J. *see* Hendry, J.H. 9—96630

Baars, A.M. *see* Roelandt, J. 9—62317

Baath, L. *see* Schilizzi, T.R. 9—92878

Baath, L.B. *see* Booth, R.S. 9—75295

Baba, H. *see* Kubo, T. 9—72071

Baba, H. *see* Sekine, T. 9—49623, 9—49624

Baba, H. *see* Yamazaki, I. 9—86000, 9—89008

Baba, K., Endo, I., Fujisaki, M., Kadota, S., Sumi, Y., Fujii, H., Murata, Y., Noguchi, S., Murakami, A. Quasi-free photoproduction of charged pions from copper and lead 9—75972

Baba, K., Kamiyoshi, K. Dielectric polarization in monohydric alcohols 9—99818

Baba, M., Hirota, N. Single crystal ODMR and phosphorescence studies of the $^3n\pi^*$ state of aliphatic carbonyl: 2-indanone 9—78570

Baba, N., Kanaya, K. General theory of the magnetic einzel lens based on the axial field distribution model $H(z)=H_0C|z/a|^{m-1}/(1+|z/a|^{2m})$ 9—55045

Baba, N., Murata, K., Okada, K., Fujimoto, Y. Three-dimensional image reconstruction from electron micrographs and spatial filtering for the image 9—97477

Baba, N. *see* Murata, K. 9—76637

Baba, O. *see* Matsunaga, S. 9—71881

Baba, S., Kawaji, M., Kinbara, A. Isothermal desorption of indium from $\sqrt{31}$-In and $\sqrt{3}$-In on silicon (111) surfaces 9—86992

Baba, S. *see* Kawaji, M. 9—77930, 9—82491

Baba, Y., Nagai, T., Kawasaki, K. Quantum renormalization group and excitonic phase transition in a strong magnetic field 9—87045

Babad-Zakhryapin, A.A., Lagutkin, M.I. Gas permeability of molybdenum 9—60554

Babad-Zakhryapin, A.A., Lagutkin, M.I., Yushina, L.R., Borisov, E.V. Phase and structural transformations during heating of molybdenum carbide coatings 9—96206

Babadzanjanz, L.K. Existence of the continuations in the N-body problem 9—84652

Babadzhanov, L.S. *see* Oksanich, A.P. 9—97351

Babaev, A.A. Solvability of a nonlinear boundary value problem for analytic functions 9—98677

Babaev, A.S., Babaev, V.S., Kuchinskii, V.V., Fafurina, E.N. Interferometric study of unresolved components of spectral lines 9—98039

Babaev, Kh.G. *see* Vasil'eva, R.P. 9—91017

Babaev, M.K. *see* Amanov, K.A. 9—80148

Babaev, N.C., Posnyakov, N.L., Strelkov, D.F. Automated record keeping of nuclear materials at electric power plants powered with a water-moderated-water-cooled nuclear reactor 9—93759

Babaev, S.S. *see* Abdullaev, G.B. 9—99883

Babaev, S.S. *see* Allakhverdiev, K.R. 9—78680

Babaev, V.S., Kuchinskii, V.V. Instrument contour of a nonideal Fabry-Perot interferometer. III. Investigation of the simultaneous effect of many factors on the instrument and observed contour 9—63301

Babaev, V.S., Zatsepa, L.F., Kuchinskii, V.V., Fafurina, E.N. Instrumental contour of a nonideal Fabry-Perot interferometer. IV. Instrumental countour of a device containing a real interferometer 9—75580

Babaev, V.S. *see* Babaev, A.S. 9—98039

Babanly, M.B. *see* Asadov, M.M. 9—87620

Babanly, M.B. *see* Gotuk Ali Alaric 9—52181

Babanova, E.N. *see* Klyueva, I.B. 9—66174

Babateen, M.O. *see* Machali, F. 9—69952

Babayan, Kh.P. *see* Akopyan, S.K. 9—80143

Babayan, V.Kh. *see* Dorman, L.I. 9—80140

Babb, T.L. *see* Halgren, E. 9—62225

Babbar, N.K. *see* Saksena, T.K. 9—83430

Babbs, C.F. *see* Hughes, D.J. 9—57836

Babcock, A.K. Logical probability models and representation theorems on the stable dynamics of the genetic net 9—74638

Babcock, C.D. *see* Sechler, E.E. 9—81713

Babcock, J., Kiely, J., Manley, T., Weyhmann, W. Nuclear magnetic ordering in $PrCu_6$ 9—87272

Babcock, J., Monsay, E., Sivers, D. Quantum-chromodynamic predictions for inclusive spin-spin asymmetries at large transverse momentum 9—49472

Babecki, J., Nowak, G. On the multiplicity of secondary particles in the interactions of high-energy protons and pions with nuclei 9—93597

Babecki, J., Nowak, H. Characteristics of slow particles from hadron-nucleus interactions and their relationship to high-energy interaction models 9—80177

Babei, Yu.I., Pistun, I.P., Duryagin, V.A., Maksimishin, M.D., Gurei, V.M. The effect of friction-strengthening treatment on the low-cycle fatigue strength of steel 65G under severe loading 9—52435

Babeiko, Yu.A., Vasil'ev, L.A., Sokolov, A.V., Sviridov, A.V., Tatarintsev, L.V. Coaxial copper-vapor laser with a buffer gas at above atmospheric pressure 9—59690

Babelon, O., Viallet, C.-M. The geometrical interpretation of the Faddeev-Popov determinant 9—85220

Babenko, S.D., Benderskii, V.A., Velichko, G.I., Krivenko, A.G., Nadkhin, A.I. Two-photon photoelectric emission from lead, mercury, and copper in electrolyte solution 9—95906

Babenko, S.P. *see* Alekhin, I.A. 9—62374

Babenko, Yu.I. Heat transfer in semiinfinite region with variable physical parameters 9—90116

Baberschke, K., Spalden, Y.V. Comments on the crystal-field splitting of the localized Gd^{3+} moments in Au single crystals 9—82869

Babeshko, V.A. New method in the theory of three-dimensional mixed dynamic problems 9—84958

Babezha, A.V., Gimbutis, G.I., Shvenchyanas, P.P. Heat Transfer for vertical plane surface accompanying combined action of forced and free convection in same direction 9—94618

Babiarz, J. *see* Larrabee, A.L. 9—70722

Babic, B. *see* Stojic, M. 9—56180

Babic, E. Transport properties of metallic glasses 9—56179

Babic, E., Marohnic, Z. The disappearance of the resistivity minimum on annealing amorphous $Fe_{40}Ni_{40}B_{20}$ alloy 9—60786

Babic, E., Marohnic, Z., Cooper, J.R., Hamzic, A., Rizzuto, C. T^2 saturation in resistivity of amorphous ferromagnets below 0.3K 9—60785

Babic, E., Marohnic, Z., Hajdu, F., Tegze, M., Vincze, I. Resistivity minimum in amorphous and crystalline $Fe_{40}Ni_{40}B_{20}$ alloys 9—73489

Babic, E., Marohnic, Z., Ivezic, T., Ivkov, J. Low temperature resistivities of amorphous $Fe_xNi_{80-x}B_{20}$ alloys 9—56181

Babic, E. *see* Adam, S. 9—57006

Babic, E. *see* Ivkov, J. 9—56182

Babic, E. *see* Krsnik, R. 9—56190, 9—60818

Babic, E. *see* Marohnic, Z. 9—56196, 9—73488

Babic, E. *see* Pivac, B. 9—56200

Babic, E. *see* Stubicar, M. 9—57085

Babich, A.S. *see* Tumanov, B.N. 9—81404

Babich, I.M. *see* Ivanov, B.A. 9—78437

Babich, L.P., Loiko, T.V., Tarasova, L.V. Electrons with high energy in nanosecond discharges in dense gases 9—60210

Babichenko, V.S. Superconductivity of laminar semimetals 9—87185

Babicz, B., Golanski, M., Wrzesien, M., Wozny, M. Sonic laser radiation detector 9—85113

Babii, P.I., Gavaleshko, N.P., Gnatenko, Yu.P., Skubenko, P.A., Oleinik, V.I. Optical properties of CdTe crystals doped with V and Cr impurities 9—73969

Babin, A.A., Belyaev, Yu.N., Sushchik, M.M., Fortus, V.M., Freidman, G.I., Shchekolov, A.N. Amplification and oscillation processes in the case of induced scattering by polaritons and parametric interaction of the departing and pump-associated waves 9—72629

Babin, A.A., Shchelokov, A.N. Energy characteristics of a parametric oscillator with synchronous two-stage interaction 9—64281

Babin, E. *see* Mancs, P. 9—66548

Babinkov, V.A. *see* Konovalov, S.F. 9—71423

Babitsyna, A.A. *see* Koroleva, L.I. 9—91078

Babitsyna, A.A. *see* Tsurkan, V.V. 9—69672

Babkin, A.F. *see* Rusanov, A.V. 9—67363

Babkin, A.V. *see* Keshishev, K.O. 9—90844

Babkin, V.I. *see* Ageev, V.P. 9—94221

Babkin, V.S. *see* Bunev, V.A. 9—100370

Babkina, L.A. *see* Pirogov, Yu.A. 9—83164

Babkina, L.N., Molchanov, A.P. Modelling of the process of transmission of excitation from the mechanical part of the auditory system to the neuronal endings of the auditory nerve 9—57667

Babkina, T.V. *see* Andrushko, L.M. 9—59833

Babkina, V.A. *see* Shchavelev, O.S. 9—65826

Babkov, L.M., Kovner, M.A., Makarenko, S.P., Puchkovskaya, G.A. Theoretical and experimental studies in IR-spectra of n-carboxylic acids in different crystalline modifications. II. Calculation of the frequencies and forms of normal vibrations of dimeric molecule nonplanar conformers 9—91450

Babonas, G. *see* Ambrazyavichyus, G. 9—69804

Babonas, G.A. *see* Ambrazyavichyus, G.A. 9—65834

Babot, D., Chevreton, M., Buevoz, J.L., Lagnier, R., Lambert-Andron, B., Wintenberger, M. New experimental data on the magnetic properties of Cr_3Se_4 and $Cr_3Se_tS_{4-t}$ solid solutions 9—56507

Babotai, I. 20 years of implantable heart pace makers 9—100787

Babou, M. *see* Fujisaki, M. 9—49542, 9—63521

Babour, K., Mosnier, J. Differential geomagnetic sounding in the Rhinegraben 9—74832

Babu, D.K., van Genuchten, M.T. A similarity solution to a nonlinear diffusion equation of the singular type: a uniformly valid solution by perturbations 9—71387

Babu, H.Vari *see* Vari Babu, H.

Babu, P.Ram *see* Ram Babu, P.

Babu, S.S.C. Surface roughness dependence of laser induced damage threshold 9—81469

Babu, S.V. *see* Ramakrishna, M. 9—100341

Babu, V.H. *see* Shekhar, M.C. 9—91156

Babu, V.H. *see* Somaiah, K. 9—56925

Babu, V.H. *see* Veeresham, P. 9—99238

Babula, S.M. *see* Marshall, R.E. 9—84343

Babushkin, V.S. *see* Samokhvalov, A.A. 9—69715

Babushkina, T.A. *see* Ikhenov, D.A. 9—78559

Babuska, I. Adaptive approaches and reliability estimations in finite element analysis 9—49026

Babuska, V. *see* Plomerova, J. 9—79751

Babykin, M.V., Bartov, A.V., Koba, Yu.V., Lin, D.N., Mizhiritskii, V.I., Pen'kina, V.S., Rudakov, L.I., Sukhov, A.D., Tarumov, E.Z. Transport of a high-current relativistic electron beam in a cusp field in the Angara-Kol'tso system 9—68945

Babyuk, P.F. *see* Belotskii, D.P. 9—51570

Baca, A., Rossetti, R., Brus, L.E. Structure and dynamics of the biphenyl ring torsion in solid neon and argon 9—81228

Bacal, M., Hamilton, G.W. H^- and D^- production in plasmas 9—64825

Bacal, M., Hamilton, G.W., Bruneteau, A.M., Doucet, H.J. Measurement of H^- density in plasma by photodetachment 9—73045

Bacastow, R. Dip in the atmospheric CO_2 level during the mid-1960's 9—84380

Baccari, B. *see* Armstrong, T.A. 9—85344

Bacchella, G.L., Meriel, P., Pinot, M. Neutron diffraction evidence of nuclear antiferromagnetism in LiH 9—61066

Bacchella, G.L. *see* Glattli, H. 9—75982

Bacchelli, L. *see* Vaghi, S. 9—58292

Bacci, C., De Zorzi, G., Penso, G., Stella, B., Bollini, D., Celio, R.B., Battistoni, G., Capon, G., Del Fabbro, R., Iarocci, E., Massai, M.M., Moriggi, S., Murtas, G.P., Spinetti, M., Trasatti, L. Total cross section for hadron production by e^+e^- annihilation in the total CM energy range 1.42-3.09 GeV 9—93440

Bacci, C. *see* Celio, R.B. 9—93425

Bacci, M. Calculation of first-order and second-order Jahn-Teller coupling constants in $MgO:V^{2+}$ and $KMgF_3:V^{2+}$ 9—65906

Bacci, M. Jahn-Teller effect in transition metal ions: a parametrization method based on the angular overlap model 9—78052

Bacci, P. *see* Santomauro, L. 9—70853

Bacewicz, R., Lottici, P.P., Razzetti, C. Raman scattering of the ordered-vacancy compound $CdGa_2Se_4$ 9—99870

Bach, A. Quantum mechanics and integration in Hilbert space 9—97246

Bach, A., Durr, D. Description of critical fluctuations of a diffusion process by means of the most probable path 9—49166

Bach, C.W. *see* Carelli, M.D. 9—59153

Bach, D.R. *see* Ackenhusen, J.G. 9—60145, 9—77385, 9—77413

Bach, D.R. *see* Rockett, P.D. 9—77436

Bach, E., Balfanz, R., Ungerer, K. The documentation and filing of computer tomograph pictures 9—66554

Bach, F., Askegaard, V. General stress-velocity expressions in acoustoelasticity 9—81722

Bach, H., Duffy, J.A. Study of PbO films on sodium borate glasses. II. Formation of interdiffusion layers at the glass surface 9—51318

Bacharach, S.L., Green, M.V., Borer, J.S., Hyde, J.E., Farkas, S.P., Johnston, G.S. Left-ventricular peak ejection rate, filling rate, and ejection fraction—frame rate requirements at rest and exercise: concise communication 9—100715

Bache, T.C., Rodi, W.L., Harkrider, D.G. Crustal structures inferred from Rayleigh-wave signatures of NTS explosions 9—66632

Bachem, K.H. *see* Palm, L. 9—100057

Bacher, A. *see* Shepard, J.R. 9—67656

Bacher, A.D., Conzett, H.E., de Swiniarski, R., Resmini, F.G., Tombrello, T.A. Analysis of $^3He+^4He$ elastic scattering between 18 and 70 MeV with the resonating group method of Brown and Tang 9—85482

Bacher, A.D. *see* Lindgren, R.A. 9—63626

Bachert, H., Keiper, A., Bogatov, A.P., Eliseev, P.G., Khairetdinov, K.-A. Spectral band homogeneous broadening and narrow-band emission of AlGaAs/GaAs injection lasers 9—98364

Bachert, H.-J., Bogatov, A.P., Dzhalolov, Kh.A., Eliseev, P.G., Keiper, A., Man'ko, M.A. Injection laser with external resonator made up of mirrors of a Michelson interferometer 9—81455

Bachet, B. *see* Tomas, A. 9—60335

Bachinski, S.W., Scott, R.B. Rare-earth and other trace element contents and the origin of minettes (mica-lamprophyres) 9—74864

Bachler, V., Olbrich, G., Polansky, O.E., Yuh-Kang Pan SCF perturbation theory for unimolecular reactions 9—91918

Bachman, R.C., Cohen, H. Wave propagation in elastic rods with multiple wave speeds 9—72850

Bachmann, A., Shakya, G.R. Solar water heaters in a developing country 9—62137

Bachmann, K. *see* Helas, G. 9—70402

Bachmann, K. *see* Matschoss, V. 9—97907

Bachmann, K.J., Bitner, T., Thiel, F.A., Sinclair, W.R., Schreiber, H., Jr., Schmidt, P.H. Ion probe analysis of indium-tin oxide indium phosphide junctions 9—73411

Bachmann, K.J. *see* Leu, Y.-T. 9—100047

Bachmann, R. UV-C 13-50 ultraviolet irradiation unit for surface sterilization 9—62302

Bachmann, R., Kuse, D., Egerszegi, L., Holenstein, H. Modern electron tubes as switching and regulating elements in fusion research 9—54592

Bachmann, V., Munz, D. Fatigue crack closure evaluation with the potential method 9—50678

Bachrach, R.Z. Semiconductor surface and crystal physics studied by MBE 9—95289

Bachrach, R.Z. *see* Bianconi, A. 9—69595, 9—73403

Bachurina, L.G., Perminova, V.M., Savostin, S.A. Spectral determination of compositions of electrolytically precipitated alloys using a UHF plasmotron 9—52812

Bachus, R., Movaghar, B., Schweitzer, L., Voget-Grote, U. The influence of the exchange interaction on the ESR linewidth in amorphous silicon 9—61216

Bacis, R. *see* Berry, H.G. 9—81292

Bacis, R. *see* Churassy, S. 9—81234

Bacis, R. *see* Koffend, J.B. 9—54917, 9—94006

Baciu, I. *see* Motoc, C. 9—90539

Back, B.B. *see* Hillis, D.L. 9—89320

Back, B.B. *see* Shotter, A.C. 9—89275

Back, H. *see* Pink, E. 9—52289

Back, M.H. *see* Corkum, R. 9—52712

Back, R.A. *see* Corkum, R. 9—52712

Backalova, N.S. *see* Popov, D.N. 9—78716

Backe, H., Kankeleit, E., Walter, H.K. Muonic isomer shifts 9—86093

Backe, H. *see* Handschug, L. 9—54739

Backe, H. *see* Piiparinen, M. 9—49573

Backe, W., Neuhaus, R. Regulation of a blood pump with a pressure controlled servo-drive 9—84003

Backenstoss, G., Izycki, M., Pavlopoulos, P., Tauscher, L., Blum, P., Fransson, K., Guigas, R., Koch, H., Nilsson, A., Poth, H., Suffert, M., Zioutas, K. Measurements on bound antinucleon-nucleon systems 9—68336

Backenstoss, G., Kowald, W., Schwanner, I., Tauscher, L., Weyer, H.J., Blum, P., Dorr, M., Fetscher, W., Gotta, D., Klotz, W., Koch, H., Raich, U., Schmidt, G., Simons, L., Ullrich, H. Absorption of negative pions at rest in ^3He 9—76035

Backer, A. *see* Berger, C. 9—49519

Backer, A. *see* Stamm, W. 9—66902

Backer, M.De *see* De Backer, M.

Backer, W.H., Corsten, C.J.A., Hagedoorn, H.L. Some aspects on linear and non-linear orbit motion in storage rings 9—72109

Backhaus, F. *see* Stoeppler, M. 9—70504

Backhaus, G., Dickel, G., Hauerwaas, E. Inversion in the isotonic osmotic system HCl/membrane/NaCl+HCl 9—52775

Backhouse, N.B., Hughes, J.W.B. Projective representations of $SU(2)_AR^4$ 9—89075

Backman, D.G. *see* Hong, S. 9—81685

Backman, S.-O., Sjoberg, O., Jackson, A.D. The role of tensor forces in Fermi liquid theory 9—63616

Backovic, C. *see* Angelov, N.S. 9—97638

Backovic, N., Jancic, M., Radonjic, L. Study of electroless Ni-P deposition on aluminium 9—90907

Backstrom, G. *see* Malmhall, R. 9—91013

Backstrom, G. *see* Ross, R.G. 9—90796, 9—90839

Backstrom, G. *see* Sandberg, O. 9—95223

Backstrom, J.W.von *see* von Backstrom, J.W.

Bacmann, J.-J. Properties of coincidence site lattice and DSC 9—69035

Bacon, D.J., Barnett, D.M., Scattergood, R.O. On the anisotropic elastic field of a dislocation segment in three dimensions 9—60365

Bacon, D.J., Barnett, D.M., Scattergood, R.O. Anisotropic continuum theory of lattice defects 9—73162

Bacon, F. *see* Wang, K.L. 9—77625

Bacon, F.M., Riedel, A.A. Intense neutron source target test facility. A 200 kV, 200 mA DC, deuterium ion accelerator 9—49883

Bacon, F.T. The fuel cell: some thoughts and recollections 9—70448

Bacon, G.E. *see* Cowlam, N. 9—73697

Bacon, M., Banson, J.K.A. Recent seismicity of southeastern Ghana 9—88255

Bacon, W.E., Kuo, J.-L., Brown, G.H. Nematic solvent effects in the isomerization of 2,4,6-trimethoxy-s-triazine 9—91944

Bacon, W.E., Thomas, J.W. The effect of amphiphilic liquid crystalline solvents on the hydrolysis of benzylidene t-butylamine N-oxide 9—100355

Bacon, W.E. *see* Spinella, G.M. 9—55899

Bacri, J.C., Dumas, J., Levelut, A. Very slow propagating mode at audiofrequencies in gel 9—74429

Bacri, J.-C., Rajaonarison, R. Ultrasonic study in supercooled water to −26°C 9—90730

Bacry, H., Nuyts, J. Space-time independent potentials for SU(2), SU(1,1) and E(2) gauge theories 9—49381

Bacry, H., Nuyts, J. Pure classical SU(2) Yang-Mills theory with potentials invariant under a U(1) gauge subgroup 9—54255

Bacskay, G. *see* Nordholm, S. 9—54004

Bacskay, G.B. *see* John, I.G. 9—59462

Bacskay, G.B. *see* Taylor, P.R. 9—68197

Badalyan, A.G., Baranov, P.G. Anionic hydrogen and deuterium atoms in optically irradiated KCl crystals 9—99187

Badalyan, A.L. *see* Kagramanyan, L.S. 9—94427

Badalyan, G.V. *see* Akimov, Yu.K. 9—49525

Badalyan, V.G., Martirosyan, R.M., Manvelyan, M.O. Spin-lattice coupling constants of the Cr^{3+} ion in emerald 9—99761

Badami, D.V. *see* Harwood, C. 9—55908

Badawi, M.H., Akintunde, J.A., Sealy, B.J., Stephens, K.G. Effect of Si_3N_4 encapsulation on the laser-annealing behaviour of GaAs 9—79131

Badawi, M.H. *see* Kular, S.S. 9—79127

Badawi, M.H. *see* Sealy, B.J. 9—73195

Badel, P.H. Contribution to augment the value of information on Earth resources 9—53526

Bader, C.R., MacLeish, P.R., Schwartz, E.A. Responses to light of solitary rod photoreceptors isolated from tiger salamander retina 9—92220

Bader, F.E. *see* Sharma, S.P. 9—61814

Bader, H.P., Schilling, R. Conditions for a ferromagnetic ground state of Heisenberg Hamiltonians 9—73662

Bader, P. Variational method for the Hartree equation of the helium atom 9—49941

Bader, R.F.W., Tung Nguyen-Dang, T., Tal, Y. Quantum topology of molecular charge distributions. II. Molecular structure and its change 9—68175

Bader, T.R. Acoustooptic spectrum analysis: a high performance hybrid technique 9—76597

Badescu, St., Chis, I., Ciura, A.I., Dinu, V., Dragulinescu, D., Grigoriu, C., Julea, Th., Nitoi, Al. Shortening of CO_2-TEA laser pulses 9—86199

Badger, R.C. A reliable, inexpensive proportional temperature controller and differential thermometer 9—48997

Badham, J.P.N. Geology and petrochemistry of lower Aphebian (2.4-2.0 Ga) alkaline plutonic and hypabyssal rocks in the East Arm of Great Slave Lake, Northwest Territories 9—84255

Badiali, J.P. *see* Epelboin, I. 9—96330

Badie, J.M. Phases and transitions at high temperature in the system Sc_2O_3-Ln_2O_3 (Ln = lanthenide and yttrium) 9—100126

Badie, J.M. *see* Arashi, H. 9—70049

Badier, J., Vanderhaghen, R., Boucrot, J., Burgun, G., Callot, O., Charpentier, P., Crozon, M., Decamp, D., Delpierre, P., Diop, A., Dube, R., Gandois, B., Hagelberg, R., Hansroul, M., Kienzle, W., Lafontaine, A., Le Du, P., Lefrancois, J., Leray, Th., Matthiae, G., Michelini, A., Mine, P., Nguyen Ngoc, H., Runolfsson, O., Siegrist, P., Timmermans, J., Valentin, J., Vanderhagen, R., Weisz, S. First evidence for upsilon production by pions 9—93460

Badila, M. *see* Gaiseanu, F. 9—77615

Badiyan, E.E. *see* Pirogov, Yu.A. 9—83164

Badr, Y.A., El-Kabbany, F., Tosson, M. DTA and dielectric study of the high temperature phase of Na_2SO_4 9—82333

Badr, Y.A., Kamel, R. Low-temperature structure changes in nitrate crystals 9—87377

Badramany, N.M.Botrous El *see* Botrous El Badramany, N.M.

Badrick, A.S.T., Puttick, K.E., El-Deghaidy, F.H.A. Annealing of scratches on near (111) silicon slices 9—60609

Badruzzaman, A. *see* Biffer, J. 9—80990

Badurek, G., Rauch, H., Wilfing, A., Bonse, U., Graeff, W. A perfect-crystal neutron polarizer as an application of magnetic prism refraction 9—50950

Badurek, G. *see* Kaiser, H. 9—72435

Badurski, M., Handerek, J., Szatanek, J., Szot, K. Studies on the nature of current carriers in $NaNbO_3$ single crystals 9—82584

Badwal, S.P.S., de Bruin, H.J. Electrode kinetics at the Pt/yttria-stabilized zirconia interface by complex impedance dispersion analyis 9—96325

Badyal, S.K. *see* Daftari, I.K. 9—89302

Badziak, J. Multicomponent laser systems with two-photon absorbents 9—94240

Badziak, J., Dubicki, A. Pulse profiling in high-power laser. II. Pulse evolution in a system of amplifiers 9—50872

Badziak, J., Owsik, J. Pulse profiling in high-power lasers. I. Discussion of methods 9—50870

Bae Lee Wook *see* Wook Bae Lee

Bae Oh Keun *see* Keun Bae Oh

Baekey, P. Potassium fluxes in long-distance runners 9—96729

Baer, A.J. An unconventional Proterozoic paleomagnetic polar wander path for North America and its advantages 9—66619

Baer, E. *see* Balik, C.M. 9—65005

Baer, E. *see* Lacabanne, C. 9—69186

Baer, E. *see* Miles, M.J. 9—57036

Baer, E. *see* Monpagens, J.C. 9—69185

Baer, E. *see* Trent, J.S. 9—52305

Baer, H.W. *see* Willard, H.B. 9—63502

Baer, M., Beswick, J.A. Electronic transitions in the ion-molecule reaction $(Ar^+ + H_2 \rightleftarrows Ar + H_2^+) \rightarrow ArH^+ + H$ 9—74373

Baer, M. *see* Alfassi, Z.B. 9—55127

Baer, M. *see* Khare, V. 9—91912

Baer, R.N. *see* Emery, W.J. 9—98529

Baer, S. Comment on the asymptotic form of the radial distribution function in a quasi-crystalline model of liquids 9—55628

Baer, S. Local lattice structures, random spatial processes and molecular correlations in liquids 9—64966

Baer, S., Kremer, M.L. The kinetics of unterminated polymerization reactions 9—91949

Baer, T. Reflex activation of laryngeal muscles by sudden induced subglottal pressure changes 9—74691

Baer, T., Guyon, P.-M., Nenner, I., Tabche-Fouhaille, A., Botter, R., Ferreira, L.F.A., Govers, T.R. Non-Franck-Condon transitions in resonant autoionization of N_2O 9—50092

Baer, T., Willett, G.D., Smith, D., Phillips, J.S. The dissociation dynamics of internal energy selected $C_6H_6^+$ 9—66274

Baer, T. *see* Murray, P.T. 9—68262

Baer, Y. *see* Citrin, P.H. 9—87563

Baerd, B. *see* Guinot, J.C. 9—81664

Baere, W.De *see* De Baere, W.

Baerends, E.J. *see* Rosen, A. 9—51650

Baerends, E.J. *see* Seth, A. 9—78783

Baeri, P., Campisano, S.U., Foti, G., Rimini, E. A melting model for pulsing-laser annealing of implanted semiconductors 9—56080

Baeri, P., Luzzi, G., Papagno, L. He^+ backscattering and Auger electron spectroscopy study of the ion-induced modification of copper films deposited on single-crystal silicon 9—65969

Baeri, P. *see* Grimaldi, M.G. 9—95045

Baeri, P. *see* Rimini, E. 9—69125

Baero, G. *see* Kuhn, H. 9—60377

Baert, A.L. *see* Coenen, Y. 9—66552

Baert, A.L. *see* Marchal, G. 9—66551

Baert, A.L. *see* Schonken, P. 9—66559

Baeslack, W.A., III, Duquette, D.J., Savage, W.F. The effect of ferrite content on stress corrosion cracking in duplex stainless steel weld metals at room temperature 9—91834

Baetsle, L.H. *see* Vandenborre, H. 9—74396

Baetzold, R.C. Extended Huckel study of hydrocarbon species on Pt(111) 9—61896

Baev, L.V., Korobeinikov, S.N. Buckling of a circular cylindrical organic-glass shell under the combined action of a twisting moment and an axial load 9—100220

Baev, V.M., Belikova, T.P., Ippolitov, M.B., Sviridenkov, E.A., Suchkov, A.F. Absorption spectrum of the atmosphere in the 583-605 nm range as obtained by intracavity laser spectroscopy 9—53517

Baev, V.P. *see* Andrianov, V.V. 9—87218

Baeva, M.B. *see* Pavlov, S.K. 9—65941

Baeyer, H.C.von *see* von Baeyer, H.C.

Bagaev, E.V. *see* Andreev, Yu.M. 9—84619

Bagaev, S.A., Oginets, O.V., Smirnov, V.B., Tolmachev, Yu.A. Long-lived states in helium 9—54954

Bagaev, S.A., Zalnov, M.A., Nechaev, N.D., Smirnov, V.B., Sattarov, D.K., Freivert, K.M. Analysis of the deformation of a pulsed optical signal in multimode fibers 9—98492

Bagaev, S.N., Dychkov, A.S., Chebotaev, V.P. Profiles of nonlinear resonances at low pressures 9—68295

Bagaeva, G.G., Shpengler, K. Color reversal film resolution increase during processing 9—75644

Baganoff, D. *see* Elliott, J.P. 9—98757

Bagatin, M. *see* Hancox, R. 9—71976

Bagatyrev, V.A., Gavrilov, A.A., Kachurin, G.A., Pusep, Yu.A., Smirnov, L.S. Electrical and photoelectric properties of p-n junctions in InSb formed by implantation of zinc ions followed by diffusion spreading 9—73573

Bagavathi Perumal, P. *see* Ghista, D.N. 9—79590

Bagby, J.P. A comparison of the titius-bode rule with the Bohr atomic orbitals 9—101057

Bagchi, A., Rajagopal, A.K. Optics of metal surfaces by reflectance of p-polarized light 9—78706

Bagchi, A. *see* Dasgupta, B.B. 9—78030

Bagchi, A. *see* Ferrell, R.A. 9—82708

Bagchi, B., Gautam, V.P., Nandy, A. $\pi\gamma$ decays of ρ, ω and ϕ in a nonet symmetry scheme 9—63480

Bagchi, B., Gautam, V.P., Nandy, A. A quantitative measure of the SU(4)×SU(4) breaking, SU(2) mass splitting of the charmed hadrons, and quark masses 9—93311

Bagchi, B. *see* Gautam, V.P. 9—67495

Bagchi, D.K. Inelastic bending of beam including transverse shear 9—90148

Bagchi, S., Chowdhury, M. Frequencies of muliple charge-transfer bands of methiodides some nitrogen heteroaromatics 9—94009

Bagchi, S.N., Supple, J.P. Structural parameters of inert liquids I. Liquid helium, neon and xenon 9—55640

Bagdarsarov, Kh.S. *see* Karpov, I.I. 9—95843

Bagdasapov, Yu.E. *see* Poplavskii, V.M. 9—97876

Bagdasarov, Kh.S. *see* Karpov, I.I. 9—65080, 9—95924

Bagdasarov, R.E. *see* Bondarenko, V.V. 9—97834

Bagdasarov, Yu.E. *see* Kazachkovskii, O.D. 9—97803

Bagdasarov, Yu.E. *see* Kochetkov, L.A. 9—97893

Bagdasarov, Yu.E. *see* Proshkin, A.A. 9—76090

Bagdasarova, I.G. *see* Kikiani, B.I. 9—76512

Bagdasar'yan, A.A. *see* Malyutin, I.S. 9—98596

Bagdasar'yan, Kh.S. *see* Gol'dshtein, M.D. 9—67413

Bagdasaryan, M.G. *see* Akopyan, S.K. 9—80143

Bagdasaryan, O.V., Permyakov, V.A. Branching of conditions and effect of energy flux limitation of TE mode in a medium with ionization nonlinearity 9—81338

Bagdavadze, V.N., Berozashvili, Yu.N., Gogolin, O.V., Dundua, A.V., Solomko, V.E., Tsitsishvili, E.G. Electrooptic effect in noncentrosymmetric cubic semiconductor crystals with allowance for spatial dispersion 9—69812

Bagdonas, A.V., Bashilov, V.A., Bobrov, V.L., Makarov, Yu.V. Effect of the properties of the working body on the selection of the temperature of the surface of the electrodes of the channel of an MHD generator 9—55573

Bagenal, F. *see* McNutt, R.L., Jr. 9—96957

Bagenal, F. *see* Sullivan, J.D. 9—96955

Baggaley, W.G. Atmospheric scale heights and radio-meteor data 9—84560

Baggaley, W.J. D-region absorption and forward-scatter radio-meteor data 9—75033

Bagge, E.R. Pair production by gamma quanta and the generalized conservation laws of physics. I 9—85246

Bagge, E.R. Pair production by gamma quanta and the generalized interpretation of the conservation laws of physics. II 9—85247

Bagge, E.R. What is inertia? 9—88842

Baggeley, W.J. The influence of recombination on under-dense radio-meteor data 9—80279

Baggenstoss, B.J., Omdahl, A.L., Brown, M.L., Wahner, H.W. The LeVeen shunt—a technique for testing shunt patency 9—57763

Bagger Sorensen, B. Ultrasonic apparatus for medical diagnosis 9—100684

Baghdadi, A. *see* Legge, R. 9—100048

Bagieu, G. *see* De Swiniarski, R. 9—54428

Bagin, L.N. Information characteristics of the holographic reduction step in document miniaturisation 9—98309

Bagin, V.I., Pecherskiy, D.M. Magneto-mineralogical studies of metalliferous sediments and ferromanganese concretions from the East Pacific Rise 9—62481

Bagirov, S.B., Mamedov, K.P., Zeinalov, V.Z. Conductivity of hexagonal selenium exposed to X-rays 9—51567

Bagley, B.G., Chen, H.S. A calculation of the thermodynamic first order amorphous semiconductor to metallic liquid transition temperature 9—69227

Bagley, K.Q., Gatley, J.A. Design, construction and operating experience of demonstration LMFBRs. The application of core and fuel performance experience in British reactors to commercial fast reactor design 9—97796

Bagley, K.Q. *see* Smith, D.C.G. 9—97779

Bagley, M., Main, P.C., Hook, J.R., Sandiford, D.J., Hall, H.E. Direct observation of orbital dissipation and superflow collapse in ^{3}He-A 9—51347

Baglin, A. *see* Auvergne, M. 9—75219

Baglin, F.G. Mechanistic interpretations of vibrational dephasing processes in 1,1,1-trichloroethane by spontaneous Raman spectroscopy 9—59465

Baglin, J., Dempsey, J., Hammer, W., d'Heurle, F., Petersson, S., Serrano, C. The formation of silicides in Mo-W bilayer films on Si substrates. A marker experiment 9—99376

Baglin, J. *see* Petersson, S. 9—82471

Baglin, J.E. *see* Hickmott, T.W. 9—60647, 9—90904

Baglin, J.E. *see* Tsu, R. 9—60400, 9—73197, 9—77613

Baglin, J.E.E., d'Heurle, F.M. Epitaxial relations in films of Cr, Pt, and CrPt on sapphire 9—60649

Baglin, J.E.E., d'Heurle, F.M., Hammer, W.N. The interaction process of Ag-Al polycrystalline thin-film couples 9—51443

Bagmetov, V.I. *see* Mel'nikov, Vl.K. 9—81934

Bagmut, A.G. *see* Kosevich, V.M. 9—94982

Bagnaia, P. *see* Angelini, C. 9—67548

Bagnall, K.W., Beheshti, A., Heatley, F., Tempest, A.C. Some oxygen-donor complexes of (tetramethylethyl-cyclopentadienyl) thorium(IV) and uranium(IV) trichlorides 9—76428

Bagnall, R.D., Arundel, P.A. A novel approach to the surface area of erythrocytes 9—70571

Bagne, F., Tulloh, M.E. Low-energy electrons 9—100735

Bagne, F. *see* Orton, C.G. *(editor)* 9—100730

Bagnell, R.D., Tanaka, Y., Sheline, R.K., Burke, D.G., Sherman, J.D. Two-quasiproton states in ^{190}Os and ^{192}Os studied with the (t,α) reaction 9—89237

Bagneux, J.M. *see* Kafrouni, H. 9—64940

Bagnol, C. *see* Segui, Y. 9—77821

Bagraev, N.T., Bochkarev, E.P., Vlasenko, L.S., Grishin, V.P., Zhitnikov, R.A., Karpov, Yu.A. Behavior of Ho, Gd, and Yb impurities in silicon 9—78568

Bagraev, N.T., Vlasenko, L.S. Electron-nuclear interaction in silicon under optical-pumping conditions 9—95680

Bagraev, N.T., Vlasenko, L.S., Karpov, Yu.A. Overhauser effect in optically pumped compensated silicon 9—73857

Bagraev, N.T., Vlasenko, L.S., Lebedev, A.A., Yusupov, P. Influence of a magnetic field on electron-nuclear interactions during optical pumping of sulfur-doped silicon 9—95378

Bagraev, N.T., Vlasenko, L.S., Zhitnikov, R.A. Magnetic resonance of ^{29}Si nuclei in silicon in weak magnetic fields 9—65746

Bagraev, N.T., Vlasenko, L.S., Zhitnikov, R.A., Ivanov-Omskii, V.I., Lebedev, A.A., Mal'kova, A.A., Karpov, Yu.A. Investigation of the photoconductivity of gadolinium-doped n-type silicon 9—90996

Bagratashvili, V.N., Dolzhikov, V.S., Letokhov, V.S., Ryabov, E.A. Selective isotope dissociation of high-pressure CF_3I with a pulsed CO_2 laser 9—72370

Bagratishvili, G.D., Dzhanelidze, R.B., Kurdiani, N.I., Pashintsev, Yu.I., Saksaganski, O.V., Skorikov, V.A. GaAs/Ge_3N_4/Al structures and MIS field-effect transistors based on them 9—60932

Bagrayev, N.T., Vlasenko, L.S., Zhitnikov, R.A. Nuclear relaxation in silicon in weak magnetic fields 9—51879

Bagrov, A.I. *see* Kuznetsov, I.A. 9—66086

Bagshaw, T. *see* Wright, G.H. 9—83397

Bagwell, C.B. *see* Pollack, A. 9—57726

Bahadori, M.N. Conceptual development of a solar town in Iran 9—57408

Bahadori, M.N. Design of a ten megawatt solar power plant 9—57417

Bahadur, B. *see* Sarna, R.K. 9—55657

Bahadur, H., Parshad, R. Some new findings on the effect of nuclear and X-irradiation on the oscillating characteristics of quartz crystals 9—78626

Bahadur, H., Parshad, R., Hepworth, A., Lall, V.K. Some observations using scanning electron microscope for studying the ultrasonic vibrations of quartz crystals 9—56733

Bahadur Singh Narsingh *see* Narsingh Bahadur Singh

Bahar, E., Agrawal, B.S. Generalized characteristic functions applied to propagation in bounded inhomogeneous anisotropic media—reciprocity and energy relationships 9—72462

Bahar, E. *see* Kwok, B.P. 9—71482

Bahar, F. *see* Alizadeh, S. 9—87974

Bahat, D. *see* Rabinovitch, A. 9—55342

Bahcall, J.N. Theoretical introduction to the ^{37}Cl solar-neutrino experiment 9—84763

Bahcall, N.A. The X-ray luminosity function of clusters of galaxies: predictions from a thermal bremsstrahlung model 9—101208

Bahei-El-Din, Y.A. *see* Dvorak, G.J. 9—76985

Baheti, R.S., Spang, H.A., III, Mohler, R.R. A new cross correlation algorithm for Volterra kernel estimation of bilinear systems 9—80919

Bahgat, A.A. A new method for quantitative analysis of the Mossbauer effect 9—65779

Bahgat, A.A., Gupta, K.D. A new type of X-ray absorption spectrometer 9—89052

Bahir, G., Bernstein, T., Kalish, R. Laser annealing of indium-implanted $Pb_{0.8}Sn_{0.2}Te$ films 9—65104

Bahl, L.R., Bakis, R., Cohen, P.S., Cole, A.G., Jelinek, F., Lewis, B.L., Mercer, R.L. Recognition results with several experimental acoustic processors 9—64421

Bahn, R.C. *see* Greenleaf, J.F. 9—53277

Bahn, R.C. *see* Johnson, S.A. 9—53202, 9—83867

Bahn, R.C. *see* Singh, M. 9—79638

Bahr, K. *see* Andersen, N. 9—86052

Bahuguna, R.D., Gupta, K.K., Singh, K. Study of laser speckles in the presence of spherical aberration 9—81373

Bahurmuz, A.A., Loly, P.D. Critical points and the two-magnon spectrum 9—87274

Bahurmuz, A.A. *see* Loly, P.D. 9—87034

Bai, B.N.P. *see* Rickerby, D.G. 9—79135

Bai, T. Iron Kα-fluorescence in solar flares: a probe of the photospheric iron abundance 9—75192

Bai-lin Zhao *see* Zhao Bai-lin

Baianu, I.C., Rubinson, K., Patterson, J. The observation of structural relaxation in FeNiPB glass by ferromagnetic resonance and X-ray scattering 9—90566

Baibich, M.N., Muir, W.B., Belanger, G., Destry, J., Elzinga, H.S., Schroeder, P.A. Thermopower of amorphous metals from 4.2 to 300K 9—99535

Baiburina, S.G., Zhdanov, G.B., Guseva, Z.M., Denisova, V.G., Dunaevskii, A.M., Zelevinskaya, N.G., Kanevskaya, E.A., Maksimenko, V.M., Puchkov, V.S., Shaulov, S.B., Slavatinskii, S.A., Smirnova, M.D., Smorodin, Yu.A., Uryson, A.V., Cherdyntseva, K.V., Afanas'eva, L.G., Baradzei, L.T., Gorokhova, E.I., Ivanenko, I.P., Il'ina, N.P., Lazareva, T.V., Managadze, A.M., Murzina, E.A., Rakobol'skaya, I.V., Roganova, T.M., Ryabova, N.G., Khristiansen, G.B., Bazdyrev, V.N., Zatsepin, G.T., Varsimashvili, T.V., Leptukh, G.G., Polyakova, S.B., Roinishvili, N.N., Tatalashvili, N.G., Khizanishvili, L.A., Chadranyan, L.Kh., Bobodzhanov, I.B., Gubar, N.E., Dekhoti, Kh., Islamov, A.N., Normuradov, F., Khushvaktova, A.A., Sharif-Zade, V.B., Shomakhmadov, A.M., Dobrotin, N.A., Emel'yanov, Yu.A., Zaitseva, E.G., Lukin, Yu.T., Shorin, V.F., Azimov, S.A., Dzhuraeva, A.R., Kalikulov, A.D., Mullazhanov, E.G., Nuritdinov, Kh., Talipov, D.A., Shamansurov, I., Yuldashbaev, T.S., Buja, Z., Gladysz, E., Zawejski, L., Mazurkewicz, J., Mikocki, S., Nisiol, B., Szarska, M., Wrotniak, J., Beljawska, H., Zawadski, A., Kacperski, J., Krys, A., Tomaszewski, A., Jablonski, Z., Juszewicz, R. Energy characteristics of quantum families with ΣE_T>30 TeV in the Pamir experiment 9—80156

Baiburina, S.G., Zhdanov, G.B., Guseva, Z.M., Denisova, V.G., Dunaevskii, A.M., Zelevinskaya, N.G., Kanevskaya, E.A., Maksimenko, V.M., Puchkov, V.S., Shaulov, S.B., Slavatinskii, S.A., Smirnova, M.D., Smorodin, Yu.A., Uryson, A.V., Cherdyntseva, K.V., Afanas'eva, L.G., Baradzei, L.T., Gorokhova, E.I., Ivanenko, I.N., Il'ina, N.P., Lazareva, T.V., Managadze, A.K., Murzina, E.A., Rakobol'skaya, I.V., Roganova, T.M., Ryabova, N.G., Khristiansen, G.B., Bazdyrev, V.N., Zatsepin, G.T., Varsimashvili, T.V., Leptukh, G.G., Polyakova, S.B., Roinishvili, N.N., Tatalashvili, N.G., Khizanishvili, L.A., Chadranyan, L.Kh., Bobodzhanov, I.B., Gubar, N.E., Dekhoti, Kh., Islamov, A.N., Normuradov, Kh., Khushvakhtova, A.A., Sharif-Zade, V.B., Shomakhmadov, A.M., Dobrotin, N.A., Emel'yanov, Yu.A., Zaitseva, E.G., Lukin, Yu.T., Shorin, B.F., Azimov, S.A., Dzhuraeva, A.R., Kalikulov, A.D., Mullazhanov, E.G., Nuritdinov, N., Talipov, D.A., Shamansurov, I., Yuldashbaev, T.S., Buja, Z., Gladysz, E., Zawejski, L., Mazurkewicz, J., Mikrocki, S., Nisiol, B., Szarska, M., Wrotniak, J., Beljawska, H., Zawadski, A., Kacperski, J., Krys, A., Tomaszewski, A., Jablonski, Z., Juszkewicz, R.** Transverse momenta in hadron interactions at 10^{14}-10^{15} eV in the Pamir experiment 9—80170

Baican, B. *see* Somogy, A. 9—80173

Baid, A. *see* Kale, P.P. 9—49113

Baidak, N.P., Koval'chuk, G.N., Shapovalov, V.P., Gorbunov, N.S. Wear resistance of titanium diffusion coatings on cast iron 9—52459

Baidakov, L.A. *see* Bal'makov, M.D. 9—65828

Baier, F.W. Compilation of clusters of galaxies with known number-density distribution 9—80362

Baier, H. Exchange currents, isobaric excitations and the deuteron 9—93523

Baier, H. *see* Grimus, W. 9—75756

Baier, H. *see* Hammel, E. 9—85383

Baier, V.N. Polarized electron beams 9—63836

Baier, V.N., Katkov, V.M., Strakhovenko, V.M. The effect of polarization on the internal scattering of electrons in storage rings 9—85843

Baier, W. The longest laser [Raman laser system] 9—81454

Baig, M.A., Connerade, J.P. Rydberg series in the vacuum ultraviolet absorption spectrum of silicon monoxide 9—81213

Baig, M.A., Connerade, J.P., Newsom, G.H. On the validity of the spectator electrons model in the 3d and 4s excitation spectra of Mn I 9—85926

Baigubekov, A.S., Lukin, Yu.T., Sadykov, T.Kh. Determination of the mass of a cluster released as γ quanta 9—80171

Baijal, S.K., Dey, N.C. Flow of polymer solutions in porous media 9—68802

Baikov, V.I. *see* Shul'man, E.P. 9—72916

Baikov, V.P., Mal'tsev, V.G., Mironov, V.I. Short-term fatigue of steel 07Kh16N6 9—66158

Bailbe, J.P. *see* Marty, A. 9—87149

Bailey, A.B. *see* Miller, D.G. 9—81919

Bailey, C.D., Hamilton, J.M., Jr., Pless, W.M. Acoustic emission of impact-damaged graphite-epoxy composites 9—91875

Bailey, C.D., Simkins, T.E. Comment on 'unconstrained variational statements for initial and boundary value problems' 9—75327

Bailey, D.B., Henrichs, P.M. Diad, triad, and pentad sequence-distribution analysis of acrylonitrile-vinylidene chloride model copolymers by ^{13}C-NMR 9—79247

Bailey, D.J., Stevenson, R. High strength low carbon sheet steel by thermomechanical treatment. I. Strengthening mechanisms 9—57014

Bailey, D.J. *see* Stevenson, R. 9—57015

Bailey, D.M., Skelton, W.H., Smith, J.F. Lithium-tin phase relationships between Li_7Sn_2 and LiSn 9—78933

Bailey, D.S. *see* Auerbach, J.M. 9—98979

Bailey, G.C., Ehrlich, A.C. A study of RF nonlinearities in nickel 9—56600

Bailey, G.F. *see* Worden, J.R. 9—63792

Bailey, G.J., Footitt, R.J., Moffett, R.J. Thermal balance of the mid-latitude F2-region at night 9—84583

Bailey, G.J., Moffett, R.J. Calculation daily variations of O^+ and H^+ at mid-latitudes. II. Sunspot maximum results 9—58167

Bailey, G.J., Moffett, R.J. The topside equatorial ionosphere during daytime: elevated plasma temperatures, the transequatorial O^+ breeze and the dynamics of minor ions 9—84584

Bailey, H.S. Effect of alternative fuel cycles on LMFBR design 9—49675

Bailey, H.S., Lu, Y.S. Nuclear performance of liquid-metal fast breeder reactors designed to preclude energetic hypothetical core disruptive accidents 9—59125

Bailey, H.S. *see* Talwar, B. 9—49826

Bailey, I. Lagrangian dynamics of polarised media with internal spin in general relativity 9—72962

Bailey, J. The dwarf nova Z Chamaeleontis. I. Photometry 9—67028

Bailey, J. The dwarf novae WX Hyi and V436 Cen 9—88677

Bailey, J., Botterill, D.R., Montgomery, H.E., Norton, P.R., Del Guerra, A., Giazotto, A., Giorgi, M.A., Stefanini, A., Matone, G. Measurements of shadowing in low $|Q^2|$ electroproduction on nuclei 9—59053

Bailey, J., Howarth, I.D. Photoelectric and visual comparison star sequences. I 9—97039

Bailey, J.E., Curtis, P.T., Parvizi, A. On the transverse cracking and longitudinal splitting behaviour of glass and carbon fibre reinforced epoxy cross ply laminates and the effect of Poisson and thermally generated strain 9—61723

Bailey, K. Volcanic activity: the continual degassing of the Earth 9—70775

Bailey, M.D. *see* Rawson, E.G. 9—76824

Bailey, P. *see* Cullis, A.G. 9—68436

Bailey, P.L. Electrodes for the measurement of ions 9—100472

Bailey, R.F. Bubble chip planar fabrication techniques 9—78485

Bailey, R.L. Magnetic liquid vacuum seals 9—63244

Bailey, R.L., Thornton, G.K. Oxford rotating helium rig 9—58719

Bailey, R.R., Wightman, J.P. Interaction of gaseous hydrogen chloride and water with oxide surfaces. I. Alumina 9—73398

Bailey, W.C. *see* Dubin, R.R. 9—61240

Bailey, W.E., Marshall, B.J. Ultrasonic attenuation of surface acoustic waves in superconducting zinc 9—73633

Bailin, D., Green, R.J., Love, A. The superfluid phase transition in neutron star matter 9—59025

Bailin, D., Love, A. Superfluid quark matter 9—93340

Baille, M.G.L. *see* Pearson, G.W. 9—96840

Baille, P., Yau, A.W., Pritchard, H.O. On the uniform-interactions-mixing assumption in the theory of radiationless transitions 9—86001

Bailler, A.Teste Du *see* Teste Du Bailler, A.

Baillie, A.D., Ledingham, K.W.D., Lynch, J.G., Campbell, M. Electron capture to positron emission ratios in the allowed decay of ^{89}Zr 9—93557

Bailon, C., Sanchez-Gomez, J.L. The spectrum of 'charmonium' in a 'relativistic' potential model 9—58922

Bailon, J.P. *see* Hamel, F. 9—86313

Baily, N.A. The fluoroscopic image as input data for computed tomography 9—66518

Baily, N.A., Keller, R.A., Lasser, E.C. Computerized system for the measurement of gallstone volume, in vivo 9—62348

Bailyn, M. *see* Olson, E. 9—49135

Baimatov, T. *see* Umarov, G.Ya. 9—83621

Bain, A.S. *see* Hardy, D.G. 9—49701

Bain, A.S. *see* Hunt, C.E.L. 9—93737

Bain, E. *see* Raju, M.R. 9—62301

Bainbridge, A.E. *see* Peng, T.-H. 9—79875

Baines, A.D., Basmadjian, D., Wang, B.C. Computer simulation of flow-dependent absorption in microperfused short Henle's loop of rats 9—83820

Baines, W.D. *see* Crapper, P.F. 9—57997

Bainton, K.F. *see* Silk, M.G. 9—68459

Bainum, D.E. *see* Richman, M.S. 9—57752

Bair, H.E. *see* Gallagher, P.K. 9—96298

Bair, J.K., Gomez del Campo, J. Neutron yields from alpha-particle bombardment 9—71860

Bairamov, A.A. *see* Abdinov, O.B. 9—89334

Bairamov, B.Kh., Timofeev, V.D., Toporov, V.V., Ubaidullaev, Sh.B. Determination of the gain in stimulated Raman scattering by coupled phonon-plasmon modes in GaP from spontaneous Raman spectra 9—68418

Baird, A.W. The Hall cross in a perpendicular inhomogeneous magnetic field 9—81323

Baird, D.H. Mobility variations of photoinjected charge carriers in liquid sulfur 9—91065

Baird, J.K. *see* Rice, S.A. 9—66259

Baird, K.M., Hanes, G.R., Evenson, K.M., Jennings, D.A., Petersen, F.R. Extension of absolute-frequency measurements to the visible: frequencies of ten hyperfine components of iodine 9—93104

Baird, L. *see* Shrivastava, P.N. 9—83944

Baird, N.C. The dependence of ionization and excitation energies for the cis-azo group upon bond angle 9—72236

Baird, P.E.G., Brambley, R.J., Burnett, K., Stacey, D.N., Warrington, D.M., Woodgate, G.K. Optical isotope shifts and hyperfine structure in λ553.5 nm of barium 9—50154

Baird, R. *see* Rogers, V.C. 9—85826

Baird, R.J., Ku, R.C., Wynblatt, P. Chemisorption of CO and NO on Rh (110) 9—77899

Baird, R.J. *see* Mervyn, D.A. 9—51404

Baisa, D., Bondar, A., Gordon, A., Maltsev, S. NQR study of phase transitions in proustite at high pressure 9—77746

Baisakalova, A.B., Kolomeets, E.V. Neutral radiation of the Sun 9—80127

Baisch, F. *see* Schmialek, P. 9—70723

Baixeras, J. *see* Chevalier, J. 9—65558

Baizul'din, B.M. *see* Kosevich, V.M. 9—99215

Baj, H. *see* Ermakov, A.N. 9—57265

Baj, M. *see* Suski, T. 9—65809

Bajaj, J.K., Rajasekaran, G. Neutral currents in left-right symmetric gauge models 9—54293

Bajaj, K.K. *see* Almassy, R.J. 9—87503

Bajaja, E., van Albada, G.D. Complementing aperture synthesis radio data by short spacing components from single dish observations 9—66928

Bajkowski, J. Secondary resonances generation by force impulses in nonlinear vibrating systems 9—64563

Bajor, G., Barnett, S.A., Klinger, R.E., Greene, J.E. Determination of concentrations and ionization energies of imperfections in degenerate InSb films 9—91087

Bajpai, S.N., Rattan, I., Srivastava, N.C. Magnetostatic volume waves in dielectric layered structure: effect of magneticrystalline anisotropy 9—78355

Bajzer, Z. Coulomb break-up of the deuteron by the positive muon 9—71844

Bajzer, Z. Coulomb break-up of deuteron by muon and n-p off-energy-shell effects 9—75777

Bajzer, Z. *see* Svarc, A. 9—71845

Bak, B., Nielsen, O., Svanholt, H., Christiansen, J.J. Rotational spectra of isotopic di-thioformic acids with a structure of trans HCSSH. Ab initio estimates of cis/trans structures, energies, dipole moments, and torsional barrier 9—63989

Bak, G., Lipinski, A., Mycielski, W. Some electrical properties of polycrystalline tetracene layers 9—65569

Bak, P. Solitons in incommensurate systems 9—77714

Bak, P. Two-dimensionally modulated magnetic structure of neodymium, commensurate-commensurate transitions in CeSb, and the devil's staircase 9—78317

Bak, P., Mukamel, D. Phase transitions in two-dimensionally modulated systems 9—69243

Bak, P., Mukamel, D., Villain, J., Wentowska, K. Commensurate-incommensurate transitions in rare-gas monolayers adsorbed on graphite and in layered charge-density-wave systems 9—69244

Bak, P. *see* Knak Jensen, S.J. 9—82805

Bak, T.A. *see* Aizenman, M. 9—52624

Bakach, G.P. *see* Dudarev, E.F. 9—66076

Bakaev, D.S., Evseev, I.V., Ermachenko, V.M. Effect of depolarizing collisions on photon echo in a magnetic field 9—59776

Bakaev, V.A., Bogdanov, S.D., Ostroumov, V.I. Fast doubly-charged particles in interactions of nonrelativistic nuclei 9—80175

Bakai, A.S. On the theory of drift turbulence in a magnetic field with shear 9—77376

Bakai, A.S., Krivoruchko, S.M., Nekrashevich, S.A. Experimental investigation of relaxation of a dispersed electron beam in a plasma in the presence of coherent perturbation 9—68935

Bakai, A.S., Sergeeva, G.G. Collective-acoustic resonance in a system of parametric spin waves 9—69727

Bakai, E.A. *see* Marchuk, I.V. 9—57780

Bakale, G. *see* Doldissen, W. 9—91115

Bakalyarov, A.M. *see* Aleshin, V.I. 9—89340

Bakanas, R.K., Bass, F.G., Levinson, I.B. Cyclotron-phonon resonance in semiconductors (review) 9—56615

Bakanov, D.G. *see* Korolev, F.A. 9—67393

Bakanov, L.V., Bunakov, V.E., Ermakov, K.N., Lebedev, V.D., Miroshkin, V.V., Nesterov, M.M., Pashuk, V.V., Stabnikov, M.V., Tarasov, N.A., Tverskoi, M.G. Deep-inelastic interaction between fast protons and Ar^{40} nuclei 9—75988

Bakanov, S.P., Roldugin, V.I. Two methods for development of the theory of thermophoresis of large aerosol particles 9—55407

Bakanowski, S. *see* Bossard, P. 9—78399

Bakastov, V.V. Standard devices for adsorption measurements in vacuum 9—71464

Bakayev, A.V., Borisov, V.L., Lepeshinskaya, V.N. Secondary emission for low primary electron energy values 9—69931

Baker, A.S. *see* Schlager, B. 9—88159

Baker, B., Curran, J.C., Harrison, F., Peckham, G.E., Smith, S.D. An automatic weather station for operation in severe icing climates 9—74973

Baker, C.G.J., Armstrong, E.R., Bergougnou, M.A. Heat transfer in three-phase fluidized beds 9—60056

Baker, C.R. Testing sonar data for multivariate normality 9—59865

Baker, C.R. Some remarks on Maxwell's equations 9—75372

Baker, D.B. *see* Shurvell, H.F. 9—76430

Baker, D.N., Higbie, P.R., Belian, R.D., Hones, E.W., Jr. Do Jovian electrons influence the terrestrial outer radiation zone? 9—88548

Baker, D.N., Stauning, P., Hones, E.W., Jr., Higbie, P.R., Belian, R.D. Strong electron pitch angle diffusion observed at geostationary orbit 9—58194

Baker, D.R. *see* Euston, C.B. 9—96384
Baker, E. Stress relaxation in tin-lead solders 9—74190
Baker, E.A.M., Burgess, D.D. Observations of high-density effects on spectral line shapes in a dense ($n_e > 10^{18}$ cm^{-3}) z-pinch discharge 9—73038
Baker, E.A.M. *see* Mahajan, C.G. 9—94314
Baker, F.T. Possible origin of the 'anomalous' interference terms in ^{192,194}Pt 9—75832
Baker, F.T., Scott, A., Cleary, T.P., Ford, J.L.C., Gross, E.E., Hensley, D.C. ^{194}Pt(^{12}C,^{12}C') reaction and the triaxial-rotor model 9—63689
Baker, F.T., Scott, A., Gross, E.E., Hensley, D.C., Hillis, D.L. ^{30}Si(^{12}C,^{12}C') reaction at 41.3 MeV 9—97721
Baker, G.A., Jr., Kincaid, J.M. Continuous-spin Ising model and $\lambda:\phi^4{:}_d$ field theory 9—63161
Baker, G.A., Jr. *see* Hunter, D.L. 9—71392
Baker, G.R. The 'cloud in cell' technique applied to the roll up of vortex sheets 9—64670
Baker, G.S. *see* Havner, K.S. 9—77671
Baker, H.A., Myers, J.O. VLF-EM model studies and some simple quantitative applications to field results 9—79736
Baker, H.J., Bannister, J.J., King, T.A., Mukhtar, E.S. Phosphor converter camera for near-infrared laser-beam profile recording 9—81468
Baker, H.J., King, T.A., McNaught, W.G. The multi-atmospheric pressure operation of a gain-switched iodine laser 9—76681
Baker, J. *see* Perez-Mendez, V. 9—66497
Baker, J. *see* Voegele, A.L. 9—96402
Baker, J.G. Explorations in design 9—86242
Baker, J.M. Performance statistics of the HEAR acoustic processor 9—59873
Baker, J.M., Marsh, D. EPR measurements of interactions between pairs of Tm^{2+} ions in alkaline-earth fluorides 9—95641
Baker, J.M., Reddy, T.R., Wood, R.L. ENDOR of trigonal sites of Yb^{3+} in CeO_2 and ThO_2 9—95677
Baker, J.P., Remmers, J.E., Younes, M.K. Graded inspiratory inhibition: specific effects of flow rate 9—100647
Baker, K.D. *see* Kelley, M.C. 9—75022
Baker, L. *see* Olsen, J.N. 9—81076
Baker, L., Jr. *see* Chen, M.M. 9—49671
Baker, L.E. *see* Welch, A.J. 9—92290
Baker, L.J. *see* Hancox, R. 9—71976
Baker, M., Johnson, K. Applications of conformal symmetry in quantum electrodynamics 9—63394
Baker, M. *see* Anishetty, R. 9—93293
Baker, M.B., Harrison, H., Vinelli, J., Erickson, K.B. Simple stochastic models for the sources and sinks of two aerosol types 9—100930
Baker, M.P., Menlove, H.O., Evans, M.L. Photoneutron-based assay method for direct uranium ore-grade determination 9—53570
Baker, P.L. On the magnetic field in interstellar molecular clouds 9—67075
Baker, P.L., Hogan, D.C., Troup, G.J., Turner, R.G. The variation of speckle size with film density: an example of Babinet's principle 9—76592
Baker, R.C. *see* Al-Khazraji, Y.A. 9—68860
Baker, R.C. *see* Damia Torres, J.A. 9—81912
Baker, R.D., Brown, R.M., Clark, A.G., Davies, J.K., De Pagter, J., Evans, W.M., Gray, R.J., Groves, E.S., Ott, R.J., Shah, T.P., Shave, A.J., Thresher, J.J., Tyrrell, M.W. Polarized cross-section measurements for the reaction $\pi^- p \to \eta n$ from 1171 to 2267 MeV/c and a partial-wave analysis of this reaction in the resonance region 9—89182
Baker, R.G., Richmond, G.M. Geology, palynology, and climatic significance of two pre-Pinedale lake sediment sequences in and near Yellowstone National Park 9—66727
Baker, R.T.K., Sherwood, R.D., Dumesic, J.A. Identification of small bimetallic particles by controlled atmosphere electron microscopy 9—83502
Baker, R.W., Hewson, E.W., Butler, NG., Warchol, E.J. Wind power potential in the Pacific Northwest 9—83549
Baker, T.S. *see* Amos, L.A. 9—70520
Baker, T.S. *see* Frank, J. 9—92452
Baker, W.H., Arnett, L.M. Capabilities for processing shipping casks at spent-fuel storage facilities 9—59199
Bakhru, H. *see* Dewanjee, M.K. 9—97655
Bakhshi, P.S. *see* Goyal, S.C. 9—61335
Bakhshiev, N.G. Spectroscopy of intermolecular relaxations in liquids 9—95844
Bakhshiev, N.G. *see* Vinokurov, I.A. 9—90514
Bakhshieva, G.F. *see* Zabudskii, I.P. 9—71513
Bakhtadze, A.B. *see* Avatkov, O.N. 9—98172
Bakhtar, F., Young, J.B. A study of choking conditions in the flow of wet steam 9—72926
Bakhtiyarov, A.Sh., Bobrov, V.I., Vasil'ev, L.N., Grekova, I.I., Zvezdin, Yu.I., Klimashin, G.M., Seregina, L.N. Mossbauer investigation of carbide phases precipitated during the tempering of a low-alloy chromium-bearing steel 9—87636
Bakhvalov, N.S. *see* Amosov, A.A. 9—89976
Bakhyshov, R.G. *see* Pashinkin, A.S. 9—51247
Bakina, E.V. *see* Verenkova, E.M. 9—79151
Bakirov, M.Ya., Mamedov, V.S. Photoconductivity of single crystals of solid solutions Ge-Si 9—87126
Bakirtas, I. *see* Delale, F. 9—64594
Bakis, R. *see* Bahl, L.R. 9—64421
Bakke, A., Cyvin, B.N., Whitmer, J.C., Cyvin, S.J., Gustavsen, J.E., Klaeboe, P. Condensed aromatics. II. The five-parameter approximation of the in-plane force field of molecular vibrations 9—59436
Bakke, J. *see* Knudsen, W.C. 9—58251
Bakken, P.M. *see* Maseng, T. 9—53506
Bakken, V., Gennow, H., Lundborg, P., Sellden, B., Makela, J., Pimia, M., Tuominiemi, J.K., Sundell, E. Neutron fragmentation in the reaction pn→pX at 19 GeV/c 9—63549
Bakken, V. *see* Aahlin, P. 9—93468
Bakker, C.N.M. Production of ^{18}F by α-particle bombardment of SiO_2 9—79650
Bakker, M. *see* Crama, W.J. 9—90604
Bakker, M. *see* Marode, E. 9—55588
Baklagina, Yu.G. *see* Sidorovich, A.V. 9—57029
Baklanov, E.V., Dubyetskii, B.Ya., Semibalamut, V.M. Theory of induced coherent emission by atoms in spatially separated light fields 9—50274
Baklanov, N.M. *see* Koshmarov, Yu.A. 9—80620
Baklanova, L.M., Gridnev, V.N., Larikov, L.N., Rudoi, A.P. Chromium-based Invar alloys 9—55907
Baklanova, L.M. *see* Larikov, L.N. 9—52202
Baklykov, S.P. *see* Zakharov, Yu.A. 9—74053
Bakos, G.A. *see* Tremko, J. 9—58374
Bakos, J.S., Sorlei, Zs., Kuti, Cs., Szikora, S. Investigation of transient acoustic waves in KDP electroptic modulators 9—59809
Bakov, A.T., Bondarev, A.P., Musaev, R.A. Accuracy of measurement of heat release with exposure ionization chambers 9—76070
Bakr, A.A. *see* Gutjahr, A.L. 9—84321
Bakry, A.A. *see* Kamel, O.M. 9—75153
Bakshi, O.A., Klykov, N.A., Reshetov, A.L. The effects of residual stresses on the endurance of welded joints with a soft interlayer when subjected to bending and torsion 9—83287
Bakshi, P., Barron, W. Prediction of solar flare proton spectral slope from radio burst data 9—53683
Bakshi, P., Calinon, R., Golden, K.I., Kalman, G., Merlini, D. Exact two-dimensional plasma pair-correlation functionin the Singwi-Tosi-Land-Sjolander approximation. II. Configuration-space analysis 9—90379
Baksht, F.G. Electron current at the interface between a weakly ionized plasma and an electrode in a transverse magnetic field 9—64914
Baksht, F.G. Low-frequency impedance of a probe in a dense plasma 9—64918
Baksht, F.G., Kaplan, V.B., Kostin, A.A., Martsinovskii, A.M., Rasulov, F.N., Sveshnikova, N.N., Serbin, V.I., Yur'ev, V.G. Stationary conducting state of a grid-controlled switching element. I 9—77430
Baksht, F.G., Kaplan, V.B., Kostin, A.A., Martsinovskii, A.M., Rasulov, F.N., Sveshnikova, N.N., Serbin, V.I., Yur'ev, V.G. Stationary conducting state of a grid-controlled switching element. II 9—77431
Bakueva, L.G., Zubkova, T.I., Il'in, V.I. Energy band diagram of a photosensitive lead sulfide-silicon heterojunction 9—95489
Bakulin, S.S., Ulybin, S.A. Thermal conductivity of xenon at temperatures 170-1300K and pressures up to 200 MPa 9—82025
Bakumenko, O.D., Kiselev, G.V., Kulakovskii, M.Ya., Pomerantsev, G.B., Samarkin, A.A., Sergeev, V.A., Skorikov, N.V., Tuerdovskii, N.D., Tsurukii, Yu.P. Use of demonstration fast reactor experience for assessing the radiation safety of fast power reactors at the design stage 9—97869
Bakumenko, V.L., Kovalyuk, Z.D., Kurbatov, L.N., Chishko, V.F. Photoelectric properties of indium monoselenide 9—73543
Bakun, A.A. *see* Asnin, V.M. 9—73542
Bakun, W.H., Stewart, R.M., Bufe, C.G. Directivity in the high-frequency radiation of small earthquakes 9—66625
Bakunov, A.S., Belikov, E.G. Nomographs for calculating some parameters in electromagnetic inspection 9—79215
Bakurov, A.V. *see* Tustanovskii, V.T. 9—87898
Balabane, M., Emamirad, H.A. Smooth distribution group and Schrodinger equation in $L^p(R^n)$ 9—97227
Balabanov, A.A. *see* Polesskaya, L.M. 9—66239
Balabanov, A.E., Cranshaw, T.E. The pressure dependence of the hyperfine field of tin dissolved in cobalt 9—95375
Balaceanu, M., Ceausescu, N., Popovici, C. On the plasma confinement in a high-voltage reflex system in magnetic mirror fields 9—86600
Balaceanu, M. *see* Popovici, C. 9—86638, 9—86639
Balachandra, J. *see* Ramakrishna Rao, M. 9—62036
Balachandran, A.P., Stern, A., Skagerstam, B.S. Gauge theory of extended objects 9—97508
Balachandran, A.P., Stern, A., Trahern, G. Nonlinear models as gauge theories 9—71627
Balachandran, N.K. Infrasonic signals from thunder 9—70846
Balafoutas, G.J. Data gathering and processing in air pollution modelling 9—52984
Balagina, G.M. *see* Chudinova, N.N. 9—79235
Balagot, L.L. *see* McElearney, J.N. 9—60337
Balagurov, A.M., Gheorghiu, Z., Savenko, B.N., Dutt, I.D., Shuvalov, L.A. A method for observing the ferroelectric domain structure by using a time-of-flight neutron diffractometer 9—51923
Balagurov, B.Ya. Galvanomagnetic properties of thin inhomogeneous films 9—69608
Balak, R. Solar energy utilisation for water heating in Czechoslovakia 9—70430
Balakarei, Yu.I. *see* Evtikhov, M.G. 9—79505
Balakhnina, V.N. *see* Karpinos, D.M. 9—100297
Balakhovskii, O.A. *see* Spitsyn, V.I. 9—74202
Balakin, A.A. *see* Bolozdynya, A.I. 9—54747
Balakin, V.A. *see* Tarasov, M.D. 9—91467
Balakirev, A.N. The space velocity field of B stars 9—58340
Balakleevskii, Yu.I., Chekhovich, V.Yu. Temperature field of a submerged steam jet 9—72920
Balakov, A.V., Konshina, E.A., Morichev, I.E. Laboratory evaporator of refractory materials with an axially symmetrical electron source 9—83125
Balakrishnan, A.R., Pei, D.C.T. Heat transfer in gas-solid packed bed systems. I. A critical review 9—68704
Balakrishnan, A.R., Pei, D.C.T. Heat transfer in gas-solid packed bed systems. II. The conduction mode 9—68705
Balakrishnan, A.R., Pei, D.C.T. Heat transfer in gas-solid packed bed systems. III. Overall heat transfer rates in adiabatic beds 9—68706
Balakrishnan, A.R., Silveston, P.L., Sullivan, H.F. Use of monolithic structures for the short term storage of solar energy 9—57489
Balakrishnan, R. *see* Shahinpoor, M. 9—64560
Balakrishnan, V. Fluctuation-dissipation theorems from the generalised Langevin equation 9—49167
Balakrishnan, V., Bansal, N.K. Power spectrum of density fluctuations in a finite reactive-diffusive system: resistance fluctuation spectroscopy 9—65428
Balakshii, V.I., Nagaev, A.I., Parygin, V.N., Suslov, A.M. Amplitude modulation of light by diffraction on $Ba_2NaNb_5O_{15}$ crystal domains 9—59832
Balamuth, D.P., Lind, J.M., Van Berg, R., Mulligan, L. Data acquisition system at the University of Pennsylvania tandem accelerator laboratory 9—89529
Balamuth, D.P. *see* Cannell, L.E. 9—97693
Balamuth, D.P. *see* Mulligan, L. 9—54379
Balamuth, D.P. *see* Young, K.C., Jr. 9—75901
Balan, N., Iyer, K.N. Ionospheric slab thickness during geomagnetic storms 9—88538
Balanda, M., Niziol, S. Spin reorientation of HoIG investigated by means of Faraday effect 9—51780
Balandin, V.A. *see* Lagunov, A.S. 9—90547
Balanevskaya, A.E. *see* Chudinova, N.N. 9—79235
Balankin, S.A., Bubnov, A.S., Skorov, D.M. Compressibility of porous materials 9—100069
Balankin, S.A., Loshmanov, L.P., Skorov, D.M., Sokolov, V.S. Thermodynamic stability of uranium mononitride 9—59165
Balantekin, A.B. *see* Koca, M. 9—97531
Balaram, P. *see* Nagaraj, R. 9—81311
Balaram, P. *see* Venkatachalapathi, Y.V. 9—100568
Balaschow, M.M. *see* Schtscherbakow, J.W. 9—70129
Balashko, Yu.G. *see* Barit, I.Ya. 9—59075, 9—80947
Balashov, A.P. Radiation coloration of optical glasses due to fast electrons 9—98452
Balashov, A.P., Govyadovskii, Yu.B., Kosmach, V.F., Ostroumov, V.I. Depth distribution of the color centers in glasses irradiated with electrons 9—73217
Balashov, D.B. *see* Ikhenov, D.A. 9—78559
Balashov, I.F., Berenberg, V.A., Zhileikin, Ya.M., Sokolovskii, M.V. Influence of edge effects on the field structure of nonstationary oscillation modes of plane mirror cavities 9—55160
Balashov, V.L. *see* Cherednichenko, E.A. 9—57749
Balashov, V.V., Grum-Grzhimailo, A.N., Kabachnik, N.M., Magunov, A.I., Strakhova, S.I. Excitation of autoionising states in noble-gas atoms by fast electrons: neon 9—72425
Balashov, Yu.S., Andreev, I.V., Mironova, M.L., Chernyshova, G.L. High temperature mechanical relaxation in liquid-phase separating sodium borosilicate glasses 9—96071
Balashov, Yu.S., Pachevskaya, G.N., Varshal, B.G. Internal friction in glasses in region of transition to the viscous-flow state 9—66101
Balashov, Yu.S., Varshal, B.G., Bondarev, M.M. Internal friction of glasses of the system SiO_2-Al_2O_3-MgO-TiO_2 during crystallization 9—52285

Balashova, L.L., Borisov, A.M., Mashkova, E.S., Molchanov, V.A. Blocking effect for fast recoil atoms 9—69172
Balasubrahmanyan, V.K. *see* Arens, J.F. 9—58249
Balasubramaniam, K.V. *see* Ghista, D.N. 9—79590
Balasubramanian, C. *see* Mahalingam, T. 9—91375
Balasubramanian, K., Dalton, L.R. Computer simulation of EPR and ST-EPR spectra of nitroxide spin labels in the rigid-lattice limit 9—93189
Balasubramanian, N. *see* Ramachandran, B.E. 9—70178
Balasubramanian, N., Wyant, J.C. *(editor)* Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol.153. Advances in Optical Metrology 9—80565
Balasubramanian, S. *see* Geetha, P.L. 9—99500
Balasubramanian, S. *see* Singh, M.R. 9—99497
Balasubramanian, T.K., Dixit, M.N., Narasimham, N.A. Rotational analysis of the ultraviolet bands of PS 9—76443
Balasubramanian, V. *see* Lacha Goud, S. 9—76417
Balasubramanyan, V. *see* Roy, S. 9—52466
Balazs, L.A.P. *see* Dixit, V.V. 9—97590
Balazs, L.N. The acceptability of physical theories: Poincare vs. Einstein 9—80431
Balbekov, V.I., Vasil'ev, A.A., Vorontsov, G.P., Gyul'khandanyan, A.M., Dmitrievskii, Yu.P., Elistratov, V.V., Kurnaev, O.V., Logunov, A.A., Makeev, E.L., Miznikov, K.P., Moizhes, L.L., Naumov, A.A., Rogozinskii, V.G., Solovi'ev, L.D., Tushabramishvili, K.Z., Tarakanov, N.M., Fedotov, Yu.S., Khanamiryan, A.E., Shembel', B.K., Shiryaev, F.Z., Yarba, V.A., Vasil'ev, V.L., Vasil'ev, S.N., Glukhikh, V.A., Gusev, O.A., Dinaburg, L.B., Monoszon, N.A., Mozalevskii, I.A., Rozhdestvenskii, B.V., Ryabov, V.V., Saksaganskii, G.L., Titov, V.A., Fedorov, V.D., Shukeilo, I.A., Elyan, V.V., Kuzmin, A.A., Meshcherov, R.A., Mironov, E.S. Accelerating-storage complex in Serpukhov 9—63829
Balberg, I., Carlson, D.E. Tunneling in hydrogenated amorphous silicon 9—73592
Balberg, I. *see* Coutinho-Filho, M.D. 9—78096
Balberg, I. *see* Sousa, J.B. 9—78075
Balbi, J.H., Duffaud, J.A., Besson, R.J. A new nonlinear analysis method and its application to quartz crystal resonator problems 9—55299
Balboa, A.M.Gomez *see* Gomez Balboa, A.M.
Balcar, E. *see* Loveluck, J.M. 9—65666
Balcazar-Garcia, M., Bull, R.K., Fall, I.D., Durrani, S.A. Calibration of CA8015 cellulose nitrate for fast neutron dosimetry 9—49907
Balcerek, K., Tyc, T. Heat flux rectifier 9—58751
Balchandani, M.K., Jain, P.C. Performance tests on weighing machines 9—80579
Balchandani, M.K., Jain, P.C., Sen, D. Alignment of end standards of length for calibration 9—54094
Balchin, A.A. *see* Whitehouse, C.R. 9—77542
Bald, W.B. The thermal history of cells during the freezing of biological materials 9—62419
Bald, W.B. *see* Thome, J.R. 9—60495
Baldacchini, G., Grassano, U.M., Tanga, A. Spin-lattice relaxation time of the relaxed excited state of the F center in KI and KBr 9—61350
Baldacci, A. *see* Reddy, S.P. 9—71542
Baldassarre, L. *see* Adduci, F. 9—69463
Balderes, T. *see* Gralnick, S.L. 9—93824
Baldereschi, A. *see* Lipari, N.O. 9—82526
Baldereschi, A. *see* Nagel, S. 9—60705
Baldet, P. *see* Pernot, F. 9—74128
Baldeweg, F. *see* Ziegenbein, D. 9—89467
Baldewicz, W.L., Wazzan, A.R., Okrent, D. Grain growth in nuclear fuels containing fission gas 9—67866
Baldi, L., Cerofolini, G., Ferla, G. The role of point-like and extended defects in MOS processing 9—82679
Baldi, P., Postpischl, D. Gravity variations during presecismic crustal deformations 9—70734
Baldin, A.M., Beznogikh, Yu.D., Chernikov, V.I., Chernykh, E.V., Denisov, Yu.N., Issinsky, I.B., Kirillov, A.D., Kolpakov, I.F., Kulakova, E.M., Makarov, L.G., Mikhailov, A.I., Mikahilov, V.A., Semenyushkin, I.N., Shelaev, I.A., Sowinski, M., Tsovbun, V.I., Vasilishin, B.V., Vasiliev, A.A., Antonenko, V.G., Galitsky, V.M., Goryunov, E.P., Gutner, B.M., Kamensky, V.I., Ogloblin, A.A., Prokopiev, A.I., Tarabanko, V.A., Umansky, I.G., Venikov, N.I., Yarosh, V.E., Yudin, L.I., Zalmanzon, V.B., Belov, V.P., Fyodorov, V.D., Glukhikh, V.A., Gusev, O.A., Lebedev, A.L., Monoszon, N.A., Saksagansky, G.L., Shukeilo, I.A., Titov, V.A., Batskikh, G.I., Bondarev, B.I., Elyan, V.V., Fedotov, P.A., Galkin, V.M., Kapalin, V.N., Kushin, V.V., Kuzmin, A.A., Murin, B.P., Pirozhenko, V.M. Heavy ion accelerator facility 9—72125
Baldin, A.M. *see* Aksenov, V.G. 9—54224
Baldin, B.Yu., Vertogradov, L.S., Krumshtein, Z.V., Musin, M.A., Petrukhin, V.I., Ronzhin, A.I., Smirnova, S.L., Shyuler, I. Coordinate detectors based on liquid scintillators 9—68140
Baldina, O.M. *see* Kvetnyi, M.A. 9—68816
Baldinelli, L. *see* Harmanec, P. 9—53817
Baldini, G. *see* Collepardi, M. 9—61856
Baldis, H.A., Burnett, N.H., Enright, G.D., Richardson, M.C. Intensity dependence of harmonic generation in 10-μm laser-produced plasmas 9—55506
Baldis, H.A. *see* Corkum, P.B. 9—72601
Baldo, M., Pucci, R., Tomasello, P. Self-consistent many-body theory of π-electron systems. II. Self-energy effects 9—63901
Baldo, M., Rosso, G. Statistical gamma-rays and the angular-momentum alignment in heavy-ion collisions 9—67761
Baldock, R.A., Barrett, R.F., Robson, B.A. Natural boundary condition methods for the microscopic treatment of composite-particle scattering 9—63680
Baldoni, J.G., Williams, W.S. Deformation of cemented carbides 9—70110
Balducci, G., Gigli, G., Guido, M. Thermochemical properties of gaseous $EuPo_2$ and $EuPO_3$ molecules 9—66334
Baldwin, A. Transducers in action 9—96692
Baldwin, A.C. *see* Chang, J.S. 9—100350
Baldwin, A.R. *see* Madey, R. 9—76216
Baldwin, B.S. *see* Degani, D. 9—77172
Baldwin, C.M., Mackenzie, J.D. Preparation and properties of water-free vitreous beryllium fluoride 9—66033
Baldwin, D.L. Optical fiber transmission system demonstration over 32K [m] with repeater data rate transparent up to 2.3 Mb/s 9—76875
Baldwin, D.L., Randklev, E.H. New instrumental method for determination of retained fission gas 9—54477
Baldwin, G.C., Clark, H.M., Hakala, D., Reeves, R.R. Principles of photochemical separation of isomeric nuclides 9—50153
Baldwin, H. *see* Smithson, P.A. 9—66782
Baldwin, J.A., Jr., Senesac, S.L. Thermally activated domain wall motion 9—51804
Baldwin, J.C. *see* Hardy, G.E. 9—61447
Baldwin, J.F. *see* Lynn, P.A. 9—92253
Baldwin, K.G.H. *see* Eckart, M.J. 9—64834
Baldwin, M.N., Hoovler, G.S., Bromley, W.D., Alcorn, F.M. Spent-fuel storage benchmarking experiments 9—63776
Baldwin, N.L. *see* Hanson, D.L. 9—67908
Baldwin, T.O., Thomas, J.E., Haldeman, J.K. The effect of neutron irradiation on the lattice parameter and anomalous X-ray transmission of silicon 9—86821
Baldwin, T.S. *see* Agnew, L. 9—68107
Bale, A.J. *see* Morris, A.W. 9—62516
Bale, C.W. *see* Lin, P.L. 9—100118
Bale, W.F. *see* Helmkamp, R.W. 9—100707
Balea, E., Berceanu, S., Coca, C., Sararu, A., Mihul, A.L.M., Balea, O., Karnauhov, V.M., Moroz, V.I. The methodics of the identification of π^-p elastic interactions in bubble chamber 9—63520
Balea, O. *see* Balea, E. 9—63520
Balek, V. *see* Landspersky, H. 9—49813
Bales, F.E., Gough, T.E. Evaluation of a cross-correlation method for the determination of nuclear spin-lattice relaxation times of solvents containing paramagnetic solutes 9—95679
Balescu, R. *see* Misguich, J.H. 9—90409
Balestra, C., Bill, H., Clignez, J.-L. A computer-controlled ENDOR spectrometer 9—80654
Balestra, F., Bussa, M.P., Busso, L., Garfagnini, R., Piragino, G., Zanini, A., Guarlado, C., Maggiora, A., Scrimaglio, R., Falomkin, I.V., Pontecorvo, G.B., Shcherbakov, Yu.A. Non elastic interaction of π^+ mesons on ^{4}He at 120, 145 and 165 MeV 9—76041
Balestra, F., Bussa, M.P., Busso, L., Garfagnini, R., Piragino, G., Guaraldo, C., Maggiora, A., Scrimaglio, R., Falomkin, I.V., Pontecorvo, G.B., Shcherbakov, Yu.A. Isobaric resonance excitation in inelastic interaction of π^+mesons on ^{4}He 9—85427
Balestra, F., Bussa, M.P., Busso, L., Garfagnini, R., Piragino, G., Guaraldo, C., Maggiora, A., Scrimaglio, R., Falomkin, I.V., Pontecorvo, G.B., Shcherbakov, Yu.A. Quasideuteron absorption in non radiative capture of π^+ mesons on ^{4}He 9—85495
Balestra, F., Bussa, M.P., Busso, L., Garfagnini, R., Piragino, G., Guaraldo, C., Maggiora, A., Scrimaglio, R., Falomkin, I.V., Pontecorvo, G.B., Shcherbakov, Yu.A. Clustering effects in inelastic interaction of π^+ mesons on ^{4}He 9—85513
Balestra, F., Bussa, M.P., Busso, L., Garfagnini, R., Piragino, G., Guaraldo, C., Maggiora, A., Scrimaglio, R., Falomkin, I.V., Pontecorvo, G.B., Shcherbakov, Yu.A. Multiple scattering processes in pion-^{4}He inelastic interaction 9—85517
Balestra, F., Bussa, M.P., Busso, L., Grafagnini, R., Piragino, G., Guaraldo, C., Maggiora, A., Scrimaglio, R., Mach, R., Spaozhnikov, M.G. Three nucleon exchange mechanism in π^+ induced knock out reactions in ^{4}He 9—85437
Balestra, F. *see* Falomkin, I.V. 9—85376
Balestri, B., Fournier, G., Gerard, A., Guechi, L., Miller, J., Morgenstern, J., Picard, J., Saghai, B., Tzara, C., Vernin, P., Bertin, P.Y., Coupat, B., Lingemann, E.W.A., Seth, K.K. $\pi^{\pm}$-deuteron differential elastic scattering cross-section at 47 MeV 9—85530
Balestri, B., Gerard, A., Guechi, L., Gournier, G., Miller, J., Morgenstern, J., Picard, J., Saghai, B., Tzara, C., Vernin, P., Bertin, P.Y., Coupat, B., Lingeman, E.W.A., Seth, K.K. Elastic scattering differential cross-section of $\pi^{\pm}$ on deuteron at 47 MeV 9—75794
Balestri, L., Cecchi, R., Marseguerra, M., Morelli, S., Rivasi, M.R., Santangelo, R. Statistical forecasting of daily temperatures using short records of previous temperatures 9—58015
Balestrino, G., D'Amico, A., Petrocco, G., Grilli, A. Mobility and photoconductive response speed improvement by annealing in thin film infrared detectors of $Pb_xSn_{1-x}Te$ obtained by RF sputtering 9—58790
Balevski, T. Problems of determining the micromechanical constants of a statistical model, interpreting anisotropic work-hardening 9—100169
Balfanz, R. *see* Bach, E. 9—66554
Balfour, L.S., Landau, J., Lipson, S.G., Pipman, J. Interfacial tension of ^{3}He-^{4}He liquid mixtures under pressure 9—51367
Bali, S.L. Standardization of nickel-chromium coatings on steel 9—57139
Bali Raj *see* Raj Bali
Balian, R., Llewellyn Smith, C.H. *(editor)* Weak and Electromagnetic Interactions at High Energy 9—80785
Balian, R., Rho, M., Ripka, G. *(editor)* Nuclear Physics with Heavy Ions and Mesons 9—71864
Balibar, F. The use of antiparticles in crystallography 9—69901
Balibar, S. The first electron crystal 9—73364
Balibar, S., Laroche, C., Libchaber, A. Phonon transmission through the solid ^{4}He-liquid ^{4}He interface 9—56035
Balick, B. *see* Heckman, T.M. 9—80363
Baliga, B.J. Dopant distribution in silicon liquid phase epitaxial layers: meltback effects 9—69151
Baliga, B.J. Deep planar gallium and aluminum diffusion in silicon 9—69290
Baliga, B.J. Buried-grid fabrication by silicon liquid-phase epitaxy 9—78906
Baliga, B.J., Ghandhi, S.K. Planar diffusion in gallium arsenide from tin-doped oxides 9—69289
Baliga, B.R. *see* Sparrow, E.M. 9—55376
Baliga, B.V. *see* Seetharamu, K.N. 9—62097
Balik, C.M., Farmer, R., Baer, E. Epitaxial crystallization of poly(vinylidene fluoride/vinyl fluoride) copolymer 9—65005
Balik, C.M. *see* Rickert, S.E. 9—69342
Balikdjian, D. *see* Henry, J. 9—66553
Balinov, S.S. *see* Minchev, P.M. 9—77278
Balint-Kurti, G.G., Eno, L. The rapid calculation of rotationally and vibrationally inelastic molecular collision cross sections 9—59542
Balint-Kurti, G.G. *see* Eno, L. 9—94066
Balint-Kurti, G.G. *see* Shapiro, M. 9—93974
Baliunas, S.L. *see* DeCampli, W.M. 9—71068
Balizer, E. *see* Stein, R.S. 9—69026
Balk, P. *see* Frenzel, H. 9—91827
Balk, P. *see* Palm, L. 9—100057
Balk, P.I. The theory of the trial-and-error method for the solution of the three-dimensional inverse gravimetry problem 9—62607
Balkandzhiev, E., Elenkov, D. On the determination of the 'real flow curve' with wall effects in rotation viscosimeters 9—64714
Balkandzhiev, E. *see* Elenkov, D. 9—64715
Balkanski, M. *see* Jouanne, M. 9—65869
Balkanski, M. *see* Morhange, J.F. 9—73189, 9—99881
Balkanski, M. *see* Nakashima, S. 9—99878
Balkarei, Yu.I., Epshtein, E.M. Thermal-density hysteresis in a photoconductor 9—51631
Balkashin, O.P., Khotkevich, A.V., Yanson, I.K. Electron tunnelling in superconductors with nonequilibrium occupation of quasiparticle states 9—56416
Balkovic, S., Majling, J. Computed powder diffraction patterns for C_3AH_6 and $C_{12}A_7H$ 9—69099
Bal'kyavichyus, P.I., Bumyalis, A.I., Gul'binas, I.A., Dement'ev, A.S., Lukoshyus, I.P., Maldutis, E.K. Damage in GaAs by 1.06-μ laser radiation 9—56890
Bal'kyavichyus, P.I., Kosenko, E.K., Lukoshyus, I.P., Maldutis, E.K. Investigation of the influence of stimulated Brillouin scattering on bulk damage to optical glasses 9—59762
Ball, A., White, S. On the deformation of quartzite 9—60425
Ball, A.P., Browning, K.A., Collier, C.G., Hibbett, E.R., Menmuir, P., Owens, R.G., Ponting, J.F., Whyte, K.W., Wiley, R.L. Thunderstorms developing over north-west Europe as seen by METEOSAT and replayed in real time on a fast-replay colour display 9—100936
Ball, C.A.B. *see* Auret, F.D. 9—73416
Ball, C.A.B. *see* Basson, J.H. 9—65341, 9—90820, 9—95009

Ball, C.J. The electrical resistivity and volume change due to a lattice vacancy in gold 9—51101
Ball, F. Possibilities of diagnostic error in hip dislocations 9—83923
Ball, G.C. Multiwire proportional chamber focal plane detector systems with digital readout 9—68158
Ball, G.C., Davies, W.G., Forster, J.S., Andrews, H.R., Horn, D., McLatchie, W. The use of exotic heavy ion transfer reactions to study light neutron rich nuclei 9—89322
Ball, G.C. *see* Alexander, T.K. 9—54750
Ball, G.C. *see* Warner, R.E. 9—93646
Ball, J., Lyle, S.J. A method for the determination of the Lamb-Mossbauer factor for a crystal lattice 9—78592
Ball, J.A. *see* Moran, J.M. 9—92779
Ball, J.B., Hudson, E.D., Lord, R.S., Johnson, J.W., Martin, J.A., McNeilly, G.S., Milner, W.T., Mosko, S.W., Sayer, R.O., Robinson, R.L. The Holifield Heavy Ion Research Facility. Phase II 9—68015
Ball, J.B., Hudson, E.D., Lord, R.S., Martin, J.A., McNeilly, G.S., Mosko, S.W. Status of the Holifield heavy ion research facility phase II booster 9—54660
Ball, J.S. *see* Anishetty, R. 9—93293
Ball, K. *see* Elliott, L.L. 9—86305
Ball, M. *see* Newport, R.W. 9—63834
Ball, M.A. Perturbation theory for the effects of impurities on simple metals 9—60763
Ball, M.A., Farthing, M.S. The potential caused by an impurity in a monovalent metal 9—78039
Ball, M.A., Farthing, M.S. The effect of impurities on the magnetic susceptibility of monovalent metals. I. The free-electron gas model 9—91206
Ball, M.A., Farthing, M.S. The effect of impurities on the magnetic susceptibility of monovalent metals. II. Fermi surface effects 9—91207
Ball, M.D. The crystal growth and microstructure of some niobium oxides 9—95913
Ball, R. *see* Hand, L. 9—75979
Ball, S.E. *see* Helmke, R.G. 9—72069
Ball, S.E. *see* Littauer, R. 9—72210
Ball, S.M. Atmospheric gravity wave production for the Australian total solar eclipse of 23 October 1976 9—92558
Ball, W., Scholte, Th.G. Molecular characterisation of polyethylene: Second report of the IUPAC working party on the molecular characterisation of commercial polymers 9—52843
Balladore, J.L. *see* Martinez, J.P. 9—99037
Ballal, D.R. An experimental study of flame turbulence 9—64793
Ballal, D.R. The structure of a premixed turbulent flame 9—86515
Ballal, D.R. The influence of laminar burning velocity on the structure and propagation of turbulent flames 9—90351
Ballal, D.R. Further development of the three-region model of a premixed turbulent flame. I. Turbulent diffusion dominated region 2 9—100382
Ballal, D.R. Further development of the three-region model of a premixed turbulent flame. II. Instability dominated region 1 9—100383
Ballal, D.R. Further development of the three-region model of a premixed turbulent flame. III. Eddy entrainment, combustion in depth process of region 3 9—100384
Ballam, J. *see* Cuatis, C.V. 9—89193
Ballaney, P.L. *see* Sachdeva, R.C. 9—74505
Ballantyne, J.M. *see* Basu, A. 9—94369
Ballard, D.G.H., Longman, G.W., Crowley, T.L., Cunningham, A., Schelten, J. Neutron scattering studies of semicrystalline polymers in the solid state: the structure of isotropic polyolefins 9—94922
Ballard, D.H. Model-directed detection of ribs in chest radiographs 9—88179
Ballard, H. *see* Izquierdo, M. 9—58079
Ballard, P.T. *see* Hill, H.A. 9—89857
Ballaro, S., Mallamace, F., Wanderlingh, F. Ultrasonic attenuation in microemulsions and structural transitions 9—61917
Ballato, A. *see* Iafrate, G.J. 9—91242
Ballegooijen, E.C.van *see* van Ballegooijen, E.C.
Ballenger, L.W. *see* Wilhelm, S.M. 9—91093
Ballestra, S. *see* Fukai, R. 9—84301
Ballet, O., Coey, J.M.D. Greenalite—a clay showing two-dimensional magnetic order 9—61188
Ballik, E.A. *see* Chan, J.H.C. 9—64816
Ballik, E.A. *see* El-Sherbiny, M. 9—63993
Ballik, E.A. *see* Znotins, T.A. 9—89926
Balling, L.C., Dawson, J.F., Havey, M.D., Wright, J.J. Optical pumping between levels of a bistable state of alkali atoms trapped in rare-gas matrices 9—81187
Balling, L.C., Havey, M.D., Wright, J.J. Absorption and emission spectra of K atoms trapped in rare-gas matrices 9—54800
Balling, N., Saxov, S. Low enthalpy geothermal energy resources in Denmark 9—74489
Ballini, R. *see* Hellmeister, H.P. 9—80863
Balluffi, R.W. *see* Cahn, J.W. 9—77832, 9—77833
Balluffi, R.W. *see* Hwang, J.C.M. 9—77838, 9—77839
Bally, J., Joyce, R.R., Scoville, N.Z. Near-infrared observations of ionized hydrogen at the core of the Galaxy 9—53864
Bal'makov, M.D., Gutenev, M.S., Baidakov, L.A. Refraction of atoms of vitreous chalcogenide semiconductors 9—65828
Balme, L. *see* Benabid, A.L. 9—57804
Balmino, G. *see* Albuisson, M. 9—62422
Balocchi, R., Rovai, D., Pierotti, D., Maseri, A. Method for the clinical study of the extent and sequence of regional ventricular wall motion 9—70635
Balodis, A.A. *see* Kauzhens, I.K. 9—55265
Balodis, A.A. *see* Pipars, Ya.Ya. 9—53986
Balodis, M.K. *see* Van den Cruyce, J.M. 9—93491
Balodis, Ya.K., Puritis, T.Ya. Microplasma effect on secondary breakdown formation 9—56722
Balodis, Ya.K., Puritis, T.Ya. Light-emitting properties of secondary breakdown region and process of mesoplasma formation in silicon p-n junctions 9—91131
Balog, M., Schieber, M., Michman, M., Patai, S. The characteristics of growth of films of zirconium and hafnium oxides (ZrO_2, HfO_2) by thermal decomposition of zirconium and hafnium β-diketonate complexes in the presence and absence of oxygen 9—100055
Balogh, A. *see* Dezsi, I. 9—65775
Balogh, A.G., Farago, I. POSITRON—an evaluating system for positron annihilation measurements on R-40 computers 9—78787
Balogh, J. *see* Dezsi, I. 9—65775
Balona, L.A. *see* Stobie, R.S. 9—88675
Balonek, T.J., Dent, W.A., Feldman, P.A., Andrew, B.H., MacLeod, J.M. III Zw 2 9—75277
Balooch, M. *see* Dooley, D. 9—93830
Baloshin, Yu.A. Effect of electron irradiation on output characteristics of gas lasers 9—64198
Balpande, S.K. *see* Basu, K. 9—79179
Balsamo, E.P., Paterno, G., Barone, A., Russo, M., Vaglio, R. Influence of barrier nonuniformities on the resonance amplitudes of high-Q Josephson tunnel junctions 9—56430
Balseiro, C., Alascio, B., Lopez, A. Theory of Mossbauer effect in intermediate-valence compounds 9—78595
Balseiro, C.A., Falicov, L.M. Superconductivity and ferromagnetism 9—73616
Bal'shem, E.I. Test instrument for contactless circuits in antimonic caesium vacuum photocell systems 9—58676
Bal'shin, M.Yu. Characteristics of sintering processes Petroleum Engng., USSR) 9—95961
Balsiger, H. *see* Lennartsson, W. 9—84589
Balslev, I. Two-polariton decay of excitonic molecules 9—95339
Balsley, B.B. *see* Farley, D.T. 9—100975
Balsley, B.B. *see* Gage, K.S. 9—66811
Balta, F. *see* Eringen, A.C. 9—51105
Balta Calleja, F.J. *see* Rueda, D.R. 9—77532
Baltateanu, N. *see* Angelescu, T. 9—63855
Baltay, C. The status of weak neutral currents 9—49444
Baltay, C. Recent experimental results on neutrino interactions 9—49512
Baltay, C., Caroumbalis, D., French, H., Hibbs, M., Hylton, R., Kalelkar, M., Shastri, K., Vogel, A., Cnops, A.M., Connolly, P.L., Kahn, S.A., Kirk, H.G., Murtagh, M.J., Palmer, R.B., Samios, N.P., Tanaka, M. Confirmation of the existence of the Σ_c^{++} and Λ_c^+ charmed baryons and observations of the decay $\Lambda_c^+ \to \Lambda\pi^+$ and $\bar{K}^0 p$ 9—75770
Baltayan, P., Nedelec, O. Lifetimes and predissociation in AlH(AlD) $A^1\Pi$ 9—59515
Baltenkov, A.S., Belorusets, E.D. Impact ionization of deep impurity centers in semiconductors 9—73470
Balter, A. *see* Bauer, R.K. 9—81231
Baltes, H.P., Steinle, B. Reply to Foley and Wolf 9—81357
Baltes, H.P. *see* Hoenders, B.J. 9—64189
Baltin, Yu.P., Pomerantsis, Ya.R., Tamuzh, V.P. Measuring energy dissipation during cyclic loading of materials 9—100310
Baltog, A. *see* Musa, G. 9—86622
Baltog, I., Piticu, I., Constantinescu, M., Ghita, C., Ghita, L. Optical investigations of PbI_2 single crystals after thermal treatment 9—56855
Baltrameyunas, R., Vaitkus, Yu., Nyunka, V. Exciton luminescence and polarization spectra of CdSe single crystals under one- and two-photon excitation conditions 9—65391
Bal'tsevich, Ya.A. *see* Kutateladze, S.S. 9—76950, 9—86323
Baltz, A.J., Glendenning, N.K., Kauffmann, S.K., Pruess, K. Long range absorption and other direct reaction components in the optical potential 9—97689
Baltz, R.von *see* von Baltz, R.
Baltzinger, C., Roziere, J., Baro, R. Interpretation of microcrystals observed on the faces (01.2) of haematite 9—51038
Baluja, K.L. *see* Aggarwal, K.M. 9—98857
Baluni, V. CP-nonconserving effects in quantum chromodynamics 9—63430
Balunov, B.F. *see* Alferov, N.S. 9—90243
Balyavichyus, V.I., Kimtis, L.L. Several aspects of the use of the quasilattice theory in molecular spectroscopy [of solutions] 9—96350
Balyavichyus, V.I., Misyunas, G.A., Kimtis, L.L. Determination of thermodynamic parameters of the intermolecular interaction from the chemical shifts of different functional groups 9—64068
Balychenko, A.A. *see* Kurbatov, L.N. 9—69605
Balychev, I.N., Vaisburd, D.I., Matlis, S.B. Probability distribution functions for brittle fracture of ionic crystals on bombardment by nanosecond pulses of high-current electron beams 9—86820
Balykin, V.I., Letokhov, V.S., Mishin, V.I. Observation of free Na atom cooling in a resonant laser field at scanning frequency 9—72272
Balykina, O.N. *see* Dmitriyev, V.I. 9—53300
Balysh, A.Ya. *see* Aleshin, V.I. 9—89340
Balyura, P.G. On the damping effect in surface plastic deformation 9—94511
Balzano, Q., Garay, O., Steel, F.R. An attempt to evaluate the exposure of operators of portable radios at 30 MHz 9—62297
Balzarini, D., Burton, M. The critical exponent β for ethane 9—99303
Balzarotti, A. *see* Antonangeli, F. 9—65976
Balzarotti, A. *see* Doni, E. 9—65376
Balzer, R., Sigvaldason, H. Equilibrium vacancy concentration measurements on tin single crystals 9—60352
Bam-Zelikovich, G.M. Influence of transverse surface curvature on boundary-layer separation 9—64644
Bamane, J.G., Biswas, A.B. Electrical properties of $CoSnTe_2$ in the thin film state] [metallic type conduction 9—78212
Bamba, T. *see* Tamura, H. 9—83763
Bambach, M. *see* Pfeifer, V.T. 9—80574
Bambakidis, G., Pershing, M.W., Bowman, R.C., Jr. Electrical resistivity studies of order-disorder phenomena in V_2H and V_2D 9—78961
Bambanza, D. *see* Mukhamyankaka, D. 9—57112
Bambanza Mukhamyankaka, D. Features of the transition from quasistatic to fatigue fracture in high-strength nodular cast iron under low-cycle loading 9—66167
Bamberger, A., Chavent, G., Lailly, P. About the stability of the inverse problem in 1-D wave equations—application to the interpretation of seismic profiles 9—84490
Bambini, A., Renieri, A., Stenholm, S. Classical theory of the free-electron laser in a moving frame 9—76655
Bambini, A., Stenholm, S. Quantum description of free electrons in the laser 9—98330
Bambini, A., Vallauri, R., Karamaliev, R. Saturation effects and stimulated scattering in two-standing mode operation of a lasing system with stationary atoms 9—68398
Bamburov, V.G. *see* Borukhovich, A.S. 9—69688
Bame, S.J., Asbridge, J.R., Feldman, W.C., Fenimore, E.E., Gosling, J.T. Solar wind heavy ions from flare-heated coronal plasma 9—75197
Bame, S.J., Asbridge, J.R., Gosling, J.T., Halbig, M., Paschmann, G., Sckopke, N., Rosenbauer, H. High temporal resolution observations of electron heating at the bow shock 9—58197
Bame, S.J. *see* Abraham-Shrauner, B. 9—53701
Bame, S.J. *see* Lemons, D.S. 9—80183
Bame, S.J. *see* Paschmann, G. 9—58209
Bame, S.J. *see* Rosenbauer, H. 9—58216
Bamford, D., Jentsch, M., Prodehl, C. P_n anisotropy studies in northern Britain and the eastern and western United States 9—53314
Bamford, W.H. Fatigue crack growth of stainless steel piping in a pressurized water reactor environment 9—66170
Bamji, S.S. *see* Perlman, M.M. 9—87378
Bammert, K., Gokce, A.T. Gas turbines for the generation of electrical energy and salt water distillation using nuclear or solar heat sources 9—87936
Bampi, F., Morro, A. Korteweg-de Vries equation and nonlinear waves 9—92956
Ban, G., Sogor, M. Methods for measuring and recording of conduction velocity 9—100688
Ban, V.S. *see* Berkman, S. 9—82498
Ban, Z. *see* Blazina, Z. 9—77554
Banakh, G.F., Voitsekhovskaya, O.K., Ippolitov, I.I. Attenuation of HF chemical laser radiation in the atmosphere in the 2.7-3.3-μm region 9—58088
Banakh, V.A., Mironov, V.L. Phase approximation of the Huygens-Kirchhoff method in problems of space-limited optical-beam propagation in turbulent atmosphere 9—92595
Banasiuk, A. *see* Aksinenko, V. 9—97713
Banba, Y. *see* Kaneda, T. 9—87143
Bance, U.R., Drummond, I.W., Finbow, D., Harden, E.H., Kenway, P. Hydrocarbon contamination in vacuum dependent scientific instruments 9—63259
Bancewicz, T. Molecular-statistical theory of the influence of molecular fields in liquids on the spectral distribution and intensity of Rayleigh scattered light in the approach of Racah algebra 9—99890
Bancroft, G.M. *see* Aldridge, L.P. 9—65771

Bancroft, G.M. *see* Fleet, M.E. 9—65183
Band, Y.B. Coherent-state multipole moments in electron-hydrogen impact excitation 9—76518
Band, Y.B. Electron-polar-molecule scattering: quasiclassical close-coupling approximation 9—81280
Band, Y.B. *see* Morse, M.D. 9—66309, 9—66310
Bandakavi, S.R. *see* Rao, S.P. 9—52654
Bandas, J. *see* Brown, W.F. 9—93806
Bandelloni, G., Becchi, C., Blasi, A., Collina, R. Renormalization of models with radiative mass generation 9—71650
Bander, M., Silverman, D., Soni, A. CP noninvariance in the decays of heavy charged quark systems 9—80826
Bander, M., Soni, A. Decays of Higgs scalars into vector mesons and photons 9—49442
Bandera, R.P. *see* Ober, T.G. 9—81034
Bandera, R.P. *see* Terney, W.B. 9—89360
Bandet, J. *see* Quemener, Y. 9—56898
Bandiera, P.G. *see* Bragagnoli, F. 9—97782
Bandilla, A. *see* Ritze, H.-H. 9—55193, 9—80672
Bandle, C. On isoperimetric gradient bounds for Poisson problems and problems of torsional creep 9—98639
Bando, H. *see* Krenciglowa, E.M. 9—67670
Bando, M., Toya, M., Sugimoto, H. Hadron matrix elements of quark operators in the relativistic quark model 9—97578
Bando, M. *see* Abe, Y. 9—93377
Bando, S., Katayama, K. A method for the automatic recognition of the electrocardiographic wave 9—57794
Bando, T. *see* Matsumoto, N. 9—79525
Bando, T. *see* Tsukahara, N. 9—57693
Bando, Y., Ishizuka, K. Study of the structure of silica glass by high-resolution electron microscopy 9—90561
Bando, Y., Saeki, M., Sekikawa, Y., Matsui, Y., Horiuchi, S., Nakahira, M. $(4H)_2$-4C type superstructure of $TiS_{1.46}$ as determined by high-resolution electron microscopy 9—69060
Bando, Y., Watanabe, M., Sekikawa, Y. Structure analysis of $Na_2Ti_9O_{19}$ by 1 MV high-resolution electron microscopy 9—73137
Bando, Y. *see* Watanabe, M. 9—77573
Bandrauk, A.D., Truong, K.D., Salares, V.R., Bernstein, H.J. Raman spectra of solid perylene—TCNQ complexes 9—61362
Bandrauk, A.D. *see* Sink, M.L. 9—93970, 9—94046
Bandurin, V.V., Zinov'ev, A.S., Kozoriz, V.V. Field of a system of two ideal spherical magnets 9—50181
Bandurin, V.V., Zinov'ev, A.S., Kozoriz, V.V., Lyashenko, A.M., Cheborin, O.G. On equilibrium stability of a free pendulum in the magnetic potential pit 9—75329
Bandyopadhyay, A.K., Zarzycki, J., Lacharme, J.P., Champion Auger electron spectroscopy on basalt glass 9—91543
Bandyopadhyay, G., Buzzell, J.A. Role of fission gas and fuel melting on transient fuel response 9—59191
Bandyopadhyay, G. *see* Wang, W.L. 9—59190
Bandyopadhyay, K. *see* Saha, G. 9—58429
Bandyopadhyay, N. Dust distribution (cylindrically symmetric) in nonrigid rotation in Brans-Dicke theory 9—93020
Bandyopadhyay, S.K., Pal, A.K. The effect of grain boundary scattering on the electron transport of aluminium films 9—60937
Bandyopadhyay, S.K., Pal, A.K. Grain-boundary scattering in aluminium films deposited on to calcite substrate 9—65096
Bandyopadhyay, S.N., Nirbhay Singh Stability of void growth in an incompressible solid under uniaxial tension and shear 9—76972
Bandzeladze, A.E., Kanteladze, N.G., Mikautadze, R.V., Modebadze, M.G., Tevzadze, T.N. An electronic wood moisture gauge 9—70279
Bane, J.M., Jr., Brooks, D.A. Gulf Stream meanders along the continential margin from the Florida straits to Cape Hatteras 9—70803
Bane, J.M., Jr. *see* Brooks, D.A. 9—53365
Bane, K.L. *see* Loew, G.A. 9—72165
Banen, R. *see* de Beer, R. 9—70524
Banerjea, A., Hammeke, K., Kipke, H.E., Hupping, N., Stoehr, A. Thermodynamic properties of helium in the range from 20-1500°C and 1 to 100 bar 9—69266
Banerjee, A., Bhattacharya, D. Frequency shift of radiation from spherical objects in Brans-Dicke theory of gravitation 9—67210
Banerjee, A., Das, S.R., Thakoor, A.P., Randhawa, H.S., Chopra, K.L. $Zn_xCd_{1-x}S/Cu_2S$ heterojunction solar cells. I. Fabrication and performance 9—79397
Banerjee, A., Nath, P., Das, S.R., Chopra, K.L. Sprayed CdS thin films for CdS/Cu_2S heterojunction solar cells 9—61988
Banerjee, A., Simons, J. Electronic spectroscopy in condensed media: the lowest $n\text{-}\pi^*$ transition of the solvated nitrite anion 9—85960
Banerjee, A. *see* Das, S.R. 9—61991, 9—92080
Banerjee, A. *see* Parakash, S. 9—84637
Banerjee, H., Sharma, S.K. Infrared and high energy fixed angle domains of scattering and the role of eikonal approximation 9—49424
Banerjee, H.D. *see* Ratnam, V.V. 9—87509
Banerjee, K. Rescaling the perturbation series 9—92980
Banerjee, M.B., Gupta, J.; Dube, S.N., Gupta, S.K. On the character of magnetic field in the hydromagnetic generalized Benard problem 9—77267
Banerjee, M.B., Shandil, R.G., Behl, R.L., Gupta, J.R. On Landau's conjecture in hydrodynamics. II. Determination of amplitude and frequency of overstable thermohaline convection past marginal state 9—55312
Banerjee, M.B., Shandil, R.G., Gupta, J.R. On Landau's conjecture in hydrodynamics. I. Determination of amplitude of steady convection past marginal state 9—55311
Banerjee, M.B., Shandil, R.G., Gupta, J.R., Behl, R.L. On Landau's conjecture in hydrodynamics. IV. Determination of amplitude of steady secondary flow past marginal state in rotatory Couette flow problem 9—77128
Banerjee, M.B., Shandil, R.G., Gupta, J.R., Behl, R.L. On Landau's conjecture in hydrodynamics. III. Determination of amplitude of steady hydromagnetic convection past marginal state 9—77286
Banerjee, M.K. Pion nucleon interaction at low energy 9—85326
Banerjee, M.K. *see* Nien-Chih Wei 9—85334
Banerjee, M.K. *see* Truex, W.S. 9—85372
Banerjee, M.K. *see* Wallace, S.J. 9—85421
Banerjee, M.M. On the vibration of skew plates of variable thickness 9—81781
Banerjee, P. *see* Talukdar, B. 9—81253
Banerjee, R.S. *see* Ghosh, S.N. 9—84836
Banerjee, S. Polarization density matrix of resonantly scattered Mossbauer radiation in the presence of relaxation 9—82904
Banerjee, S., Hussein, E., Meneley, D.A. Simulation of a neutron scattering method for measuring void fraction in two-phase flow 9—90321
Banerjee, S., Lee, M.H. A diffusion model for hydrogen-palladium system 9—73338
Banerjee, S., Yuen, P., Vandenbroek, M.A. Calibration of a fast neutron scattering technique for measurement of void fraction in rod bundles 9—82017
Banerjee, S. *see* Chan, A.M.C. 9—77111, 9—81888
Banerjee, S. *see* Lee, M.H. 9—55941
Banerjee, S. *see* Menon, S.K. 9—74164
Banerjee, S. *see* Mukhopadhyay, P. 9—66061, 9—66062, 9—66109, 9—74156, 9—87604
Banerjee, S. *see* Mulpuru, S.R. 9—77179
Banerjee, S. *see* Paranjpe, S.A. 9—50648
Banerjee, S. *see* Sengupta, G. 9—56072
Banerjee, S.N. *see* Basu, S. 9—79181
Banerji, S., Bhar, G.C. Analysis of the Plasma Laser Star model of QSOs 9—58437
Banerji, S., Ray, M.K. 'Pauli effect' in relativity 9—49127
Banerji, S.K. *see* Briant, C.L. 9—57099
Banfi, D. *see* Gacs, I. 9—57333
Bang, J., Hansteen, J.M. Comments on an empirical scaling rule related to X-ray emission from superheavy quasimolecules 9—76502
Bang-Jean Hsieh Dynamic instability analysis of rupture disks by finite element method 9—85662
Bang-Shui Lin *see* Lin Bang-Shui
Bang-wen Dai *see* Dai Bang-wen
Bangert, E. *see* Schwarzbeck, K. 9—60758
Bangert, H. *see* Ehrmann-Falkenau, E. 9—77844
Bangert, K. *see* Junghans, G. 9—75974
Bangert, R. *see* Eberhard, K.A. 9—80966
Bangre, B.M. *see* Ingle, S.G. 9—56750
Banhawy, Y.El *see* El Banhawy, Y.
Bania, T.M. *see* Payne, H.E. 9—62922
Banic, J. *see* McKee, T.J. 9—59715
Banichuk, N.V. Extremum problem for a system with distributed parameters and determination of the optimum properties of an elastic medium 9—88811
Baniene, R.A., Lesauskis, V.P. Determination of the amplitude of oscillations in a spin generator at the side frequency 9—65707
Banifatov, A.E. *see* Akimov, Yu.K. 9—49525
Banik, N.C., Boyle, F.P., Sluckin, T.J., Taylor, P.L., Tripathy, S.K., Hopfinger, A.J. Theory of structural phase transitions in poly(vinylidene fluoride) 9—82331
Banin, E.S. *see* Stafeev, V.I. 9—51662, 9—51664
Bank, H. *see* Lam, C.F. 9—80722
Bankar, V.D. *see* Das, S.R. 9—61991
Bankert, S.F. *see* Dye, D.L. 9—85681
Bankoff, S.G. *see* Leung, J.C.M. 9—54529
Bankov, L.G. *see* Gdalevich, G.L. 9—84566
Ban'kovskiy, N.G., Korotkov, K.G. Interpreting the experimental data obtained in a study of the thermionic emission of adsorption systems 9—83092
Banks, F.M., MacLaurin, S. Bell Canada puts fiber optics in the field [telecommunications] 9—72707
Banks, L., Ellis, B. The glass transition temperature of an epoxy resin and the effect of absorbed water 9—90766
Banks, P.H.T. *see* Newport, R.W. 9—63834
Banks, R.D., Blake, C.C.F., Evans, P.R., Haser, R., Rice, D.W., Hardy, G.W., Merrett, M., Phillips, A.W. Sequence, structure and activity of phosphoglycerate kinase: a possible hinge-bending enzyme 9—74595
Banks, S.C. *see* Taylor, H.L. 9—88484
Banks, T. Note on dual transformations in ϕ^4 field theories 9—49393
Banks, T., Spiegelglas, M. Spin-dependent forces in a semiclassical model of confinement 9—67500
Banks, T., Tomboulis, E. Improved formalism for Abelian magnetic monopoles 9—97515
Banks, W.H.H., Zaturska, M.B. The collision of unsteady laminar boundary layers 9—72896
Banks, W.M., Harvey, J.M. Large deflections of orthotropic plates 9—98605
Banks, W.M. *see* Marshall, I.H. 9—98642
Bannai, E. *see* Aono, M. 9—99403
Bannai, E. *see* Yajima, F. 9—100049
Bannaya, V.F., Gershenzon, E.M., Fuks, T.G. Characteristics of hot-carrier scattering and recombination in Si:B 9—91069
Banner, D.L. *see* Steinberg, D.J. 9—54118
Banner, M. Search for new particles 9—97617
Banner, M. *see* Chilingarov, A. 9—54365, 9—54368
Bannerot, R.B., Howell, J.R. Predicted daily and yearly average radiative performance of optimal trapezoidal groove solar energy collectors 9—74540
Bannier, G. *see* Reck, G. 9—51095
Bannink, W.J., Nebbeling, C. Measurements of the supersonic flow field past a slender cone at high angles of attack 9—77177
Bannister, J.J. *see* Baker, H.J. 9—81468
Bannister, P.R. Some notes on ELF Earth-ionosphere waveguide daytime propagation parameters 9—92637
Bannister, R.W., Denham, R.N., Guthrie, K.M., Browning, D.G., Perrone, A.J. Variability of low-frequency ambient sea noise 9—72744
Banno, H., Masamura, Y., Naruse, N. Acoustic load dependency of electroacoustic efficiency in the electrostrictive ultrasonic transducer and acoustical matching 9—68541
Bannykh, O.A., Blinov, V.M., Malkina, G.M. Carbide-intermetallic strengthening of nonmagnetic steels 9—83208
Bansal, A.S. Flexural wave motion in beam-type disordered periodic systems: coincidence phenomenon and sound radiation 9—50636
Bansal, C. Local environment effects in Ni-Cu and Ni-Au alloys 9—65664
Bansal, C., Shrivastava, K.N. Contact charge density of $^{107}Ag^+$ in AgCl and AgF lattices 9—78064
Bansal, J.L. The 'similar' solution of the hydromagnetic free-jet boundary layer equations 9—50811
Bansal, J.L., Gupta, M.L. On the hydromagnetic laminar plane-wall jet 9—55424
Bansal, J.L., Gupta, M.L. Hydromagnetic laminar and turbulent free jet 9—77261
Bansal, J.L., Tak, S.S. Approximate solutions of heat and momentum transfer in laminar plane wall jet 9—60041
Bansal, M.L. *see* Roy, A.P. 9—61357
Bansal, N.K. *see* Balakrishnan, V. 9—65428
Bansal, N.P. *see* Janz, G.J. 9—92090
Bansal, O.P., Morrison, J.A., Richards, E.L. Low temperature specific heats of very dilute alloys of Ce in Al 9—51745
Bansal, R., Ailawadi, N.K. Study of dynamics of liquids rubidium by self-consistent field method 9—55651
Bansal, R. *see* Dubey, G.S. 9—82143
Bansal, R.C., Dhami, T.L., Parkash, S. Surface characteristics and surface behaviour of polymer carbons. II. Adsorption of water vapor 9—52753
Bansil, A. *see* Mijnarends, P.E. 9—69390
Banson, J.K.A. *see* Bacon, M. 9—88255
Banuelos, A., Rodriguez-Trelles, F. Non-relativistic bremsstrahlung intensity components in the high-frequency range 9—72426
Banuelos, A., Rodriguez-Trelles, F., Bilbao, L. Extension to high frequencies of a program for calculating the angular distribution of nonrelativistic bremsstrahlung 9—64162
Bao Cheng-Guang, Zhao Wei-Qin The behavior of the phase-shift in the Bakamjian-Thomas theory 9—80878
Bao Cheng-guang *see* Zhao Wei-qin 9—63603
Bao Feng-qi, Zhang Yu-xian Solar cell made from sintered CdS film 9—74517
Bao Keda The kinetic theory of multicomponent dilute gases under electromagnetic field 9—77328
Bao-Gen Shen *see* Shen Bao-Gen
Bao-Heng Zhao *see* Zhao Bao-Heng
Bao-huac Feng *see* Feng Bao-huac
Bao-Jun Lin *see* Lin Bao-Jun
Bao-qiu Chen *see* Chen Bao-qiu
Bao-shan Han *see* Han Bao-shan
Bao-yin Yuan *see* Yuan Bao-yin
Bao-zhen Zhu *see* Zhu Bao-zhen
Baoheng Zhao *see* Zhao Baoheng

Bapat, V.A., Kumaraswamy, H.V. Effect of primary system damping on the optimum design of an untuned viscous dynamic vibration absorber 9—86370
Bapna, S.C. *see* Pravina Kumar, M. 9—75536
Bappu, M.K.V. An automated spectrum scanner 9—53724
Bappu, M.K.V., Ganesh, K.S., Scaria, K.K. The near-infrared spectra of Wolf-Rayet stars 9—53825
Bappu, M.K.V., Parthasarathy, M. Ultra-low dispersion spectroscopy of stars and galaxies 9—53733
Bappu, M.K.V., Visvanadham, P. The Wolf-Rayet spectroscopic binary HD 214419 9—53856
Bapst, U. *see* Gfeller, F.R. 9—76826
Bapt, J.C. *see* Bui Ai 9—67346
Baptista, G.B. *see* Montenegro, E.C. 9—85848
Bapu Rao, M.N. Thermal bending of thick rectangular plates 9—94517
Baquero, R. *see* Daams, J.M. 9—73631
Bar, J. The chemical composition of the sodium coolant and its cover argon atmosphere in the sodium loop of the fast reactor nuclear power station 9—71893
Bar-Avraham, E. *see* Affinito, D. 9—90481
Bar-Cohen, Y., Ben-Joseph, B., Harnik, E. Schlieren ultrasonic visualization of delaminations in composite materials 9—70289
Bar-Nun, A. Acetylene formation on Jupiter: photolysis or thunderstorms? 9—66957
Bar-Nun, A., Podolak, M. The photochemistry of hydrocarbons in Titan's atmosphere 9—53766
Bar-Nun, A. *see* Podolak, M. 9—96964
Bar-Sagi, J. Calculation of the extrapolation length near T_c in an infinite superconducting-normal geometry 9—82723
Bar-Ziv, E. *see* Kafri, O. 9—68385
Barabanenkov, Yu.N. Weakening of the average field in a medium with quasistatic fluctuations 9—71367
Barabanenkov, Yu.N., Ozrin, V.D. Master kinetic equation for a particle in the field of randomly varying scatterers 9—58634
Barabanov, A.F., Tsvelik, A.M. Metal-dielectric phase transitions involving valence changes 9—51489
Barabanov, A.F., Tsvelik, A.M. On the renormalization of collective excitations in intermediate valence metals 9—82539
Barabanov, A.F. *see* Atoyan, A.M. 9—95180
Barabanov, V.N., Lyshov, L.L., Sazhin, A.N. Kinetics of crack propagation in graphite 9—66161
Barabanov, V.N., Zaitsev, G.G., Grachev, L.I., Gavrilov, K.S. Methodology and equipment for testing annular specimens under external and internal pressure 9—70254
Barabanshchikov, V.F., Chernyak, B.M. Choice of the indication determining a defect in thermal inspection of railroad refrigerator cars 9—79208
Barabash, O.M., Shurin, A.K. Influence of alloying on solubility of interstitial elements in BCC-solid solutions 9—51262
Baraboshkin, A.N., Kaliev, K.A., Aksent'ev, A.G., Mikhailova, L.F. Orientation relations of nucleation and growth in crystals of cubic sodium tungsten bronzes 9—55687
Barach, J.P. Probe measurements on a shock precursor 9—64701
Barachevskii, V.A. *see* Kuzmin, S.G. 9—57264
Barachevskii, V.A. *see* Murin, V.A. 9—66315
Baradzei, L.T., Budilov, V.K., Butina, I.I., Kanevskaya, E.A., Loginova, A.A., Smorodin, Yu.A., Shalagina, E.V. Height dependence of the characteristics of γ-quantum families of energy of 10-100 TeV 9—80159
Baradzei, L.T. *see* Baiburina, S.G. 9—80156, 9—80170
Baraff, G.A., Schluter, M. New self-consistent approach to the electronic structure of localized defects in solids 9—78043
Baragiola, R.A. Comment on the determination of charge states of ions moving through solids from the analysis of X-ray spectra 9—83061
Baragiola, R.A., Alonso, E.V., Oliva Florio, A. Electron emission from clean metal surfaces induced by low-energy light ions 9—61482
Barak, J. *see* Shaham, M. 9—56622
Barakat, R., Cole, J.E., III Statistical properties of N random sinusoidal waves in additive Gaussian noise 9—68497
Barakat, R. *see* Blackman, E. 9—72503
Baral, E. *see* Blomgren, H. 9—88125
Baraldi, L., Gottarelli, G., Samori, B. The linear dichroism of cubic molecules: distortion and local field contributions 9—87415
Barale, J.J., Crebbin, K.C., Lax, J.W., Richter, R.M., Zajec, E. Secondary emission monitors at the Bevatron-BEVALAC 9—72186
Baram, A., Luban, M. Divergence of the virial series for hard discs and hard spheres at closest packing 9—94859
Baram, J.C., Itzhak, D., Rosen, M. Acoustic emission monitoring of high-temperature cyclic oxidation damage in a titanium-aluminum-vanadium alloy 9—83413
Baran, A., Pomorski, K. New modified oscillator potential for nuclei in the actinide region 9—67637
Baran, E.J., Escobar, M.E. IR and Raman spectra of $Ca_8La_2(VO_4)_6O_2$ 9—78671
Baran, E.J. *see* Botto, I.L. 9—51079
Baran, N. *see* Pimsner, V. 9—64647, 9—98701
Baran, S.A. Multipole expansions in strong-gravity theory 9—75433
Barancheeva, V.V. *see* Vinogradov, G.V. 9—50690
Baranchuk, N.S. *see* Chutov, Yu.I. 9—55594
Barandiaran, J.M. *see* Alberdi, A.M. 9—61185
Barandiaran, J.M. *see* Colmenero, J. 9—51000
Baranger, H. *see* Sulak, L. 9—59317
Baraniecki, M. *see* Shridhar, M. 9—64432
Baranko, G. *see* Polvado, R. 9—63543
Barannik, V.P., Korzh, A.P., Rekalo, M.P. Generation of isoscalar vector mesons during decay of heavy lepton 9—85349
Barannikov, A.L., Golubev, V.G., Pekshev, P.Yu., Suslov, N.I. Plasma oscillations in a high current, low voltage arc 9—55579
Barannikova, T.I. *see* Kuz'menkov, M.I. 9—52147
Baranov, A.I. *see* Blinc, R. 9—78635
Baranov, A.V. *see* Aleksandrov, E.B. 9—54953, 9—64094
Baranov, D.G., Varyukhin, V.V., Gagarin, Yu.F., Ivanova, N.S., Kulikov, V.N., Myshkin, V.E., Yakubovskii, E.A. Search for hydrodynamic effects in cosmic-ray nucleus-nucleus interactions 9—80176
Baranov, D.S., Bugorskii, A.P., Volkov, A.A., Volkov, G.G., Ivanilov, A.A., Konyushko, V.I., Korablev, V.M., Korotkov, V.A., Kochetkov, V.I., Kuznetsov, E.P., Kurbakov, V.I., Makeev, V.V., Mukhin, A.I., Myagkov, A.G., Nikitin, Yu.P., Parshikura, S.N., Polyarush, A.Yu., Ryabov, Yu.G., Samoylov, A.V., Sviridov, Yu.M., Smirnov, Yu.I., Sokolov, A.A. Measurement of the total neutrino interaction cross section in the energy interval 2-30 GeV by means of the SCAT chamber 9—54334
Baranov, D.S., Volkov, G.G., Ivanilov, A.A., Konyushko, V.I., Korablev, V.M., Korotkov, V.A., Kuznetsov, E.P., Makeev, V.V., Myagkov, A.G., Nikitin, Yu.P., Parshikura, S.N., Polyarush, A.Yu., Ryabov, Yu.G., Smirnov, Yu.I., Sokolov, A.A. Investigation of production of lepton μ^-e^+ pairs in the neutrino experiment at the SCAT chamber 9—58953
Baranov, D.S., Volkov, G.G., Ivanilov, A.A., Konyushko, V.I., Korablev, V.M., Korotkov, V.A., Kuznetsov, E.P., Makeev, V.V., Myagkov, A.G., Nikitin, Yu.P., Parshikura, S.N., Polarush, A.Yu., Ryabov, Yu.G., Smirnov, Yu.I., Sokolov, A.A. Characteristics of deep-inelastic processes induced by neutrino in the energy region 2-30 GeV at the SCAT chamber 9—80821
Baranov, N.G., Mel'nik, V.Kh., Avtonomov, G.A. Wear characteristics of coarsely heterogeneous materials in rubbing without lubrication 9—96154
Baranov, P.G., Veshchunov, Yu.P., Romanov, N.G. Electron spin resonance of F centers in relaxed excited state in alkali halide crystals 9—65733
Baranov, P.G., Veshchunov, Yu.P., Romanov, N.G. Optical detection of ESR of F_A and F_B centers in alkali halide crystals 9—99793
Baranov, P.G. *see* Badalyan, A.G. 9—99187
Baranov, P.Ye. *see* Sverdlik, M.B. 9—81340
Baranov, V.G. *see* Poddubnyi, V.I. 9—69033
Baranov, V.I., Gribov, L.A. One possible method for calculating the vibrational structure of electronic spectra 9—63981
Baranov, V.K., Baum, I.V., Braslavskaya, M.V. Method of calculating the localized energy characteristics of a parabolocylindrical focline 9—72659
Baranov, V.N. An approximate analytical solution of the equations of motion for descent into the atmosphere 9—84628
Baranov, V.Yu., Borisov, V.M., Kiryukhin, Yu.B., Stepanov, Yu.Yu. Changes in the characteristics of an electric-discharge XeF laser on increase in pressure 9—64214
Baranov, V.Yu., Lyubimov, B.Ya., Niz'ev, V.G., Pigul'skii, S.V. Gasdynamic perturbations of the gas stream in pulse-periodic CO_2 lasers. II. Acoustic waves 9—94208
Baranov, V.Yu., Malyuta, D.D., Mezhevov, V.S. Utilization efficiency of the gas flow in pulse-periodic CO_2 laser 9—64201
Baranov, V.Yu., Niz'ev, V.G., Pigul'skii, S.V. Gasdynamic perturbations of the gas stream in pulse-periodic CO_2 lasers. I. Convection removal of the heated gas from the dischage region 9—94207
Baranov, V.Yu. *see* Adamovich, V.A. 9—64253
Baranov, Yu.F., Fedorov, V.I. Ray tracing for lower-hybrid waves in a Tokamak 9—60139
Baranova, G.K., Bobrov, V.S., Kopetsky, Ch.V., Salnikov, G.I. Twinning at low temperatures and the variation of the magnetic properties of superconducting niobium during deformation 9—95543
Baranova, I.A. *see* Meiklyar, P.V. 9—58823
Baranova, I.D., Lagutin, V.I. Spectrum recording errors in spectrophotometers caused by the discrete removal of information 9—49301
Baranova, L.A., Volotovskii, I.D. Participation of singlet and triplet states of the tryptophanyls in the inactivation of proteins 9—57564
Baranova, L.V. Exposure of the microstructure in a steel-PZhK-1000 soldered joint 9—52257
Baranova, L.V. *see* Goryaev, G.A. 9—49203
Baranova, R.V., Aref'ev, V.P., Semilentov, S.A. Electron-difraction analysis of certain copper tellurides 9—51066
Baranova, R.V. *see* Khodyrev, Yu.P. 9—55724, 9—65062
Baranova, V.G., Makhotina, L.G., Red'ko, A.V., Sivaev, V.M. Image information properties of photographic motion picture materials rapidly processed 9—58817
Baranovic, B. Examination of a nuclear plant location on a river 9—92092
Baranovskii, S.D., Efros, A.L. Band edge smearing in solid solutions 9—73418
Baranovskii, S.D., Efros, A.L., Gelmont, B.L., Shklovskii, B.I. Coulomb gap in disordered systems: computer simulation 9—51465
Baranovskii, S.I., Efremov, I.M., Zlobin, V.V., Lepeshinskii, I.A., Tikhonov, B.A. A two-phase stream containing liquid particles in the sub- and transonic regions of plane nozzles 9—81950
Baranowski, B. *see* Schenk, H.J. 9—56953
Baranowski, J.M. *see* Kaminska, M. 9—83000
Baranskii, P.I., Vinetskii, R.M., Gorodnichii, O.P., Zhidkov, A.V. Odd magnetoresistance of p-type Ge in strong electric fields 9—51612
Barany, A. Deflection functions for curve-crossing collisions 9—94051
Barash, Yu.S. Moment of Van der Waals forces between anisotropic bodies 9—94547
Barashenko, V.S., Kostenko, B.F. Can the cascade mechanism of nuclear interactions take place in the high energy region? 9—80903
Barashenkov, V.S., Musul'manbekov, Zh.Zh. Diffractive 'semioptical' model for nucleus-nucleus collisions 9—63646
Barashenkov, V.S., Nikitin, V.F. Quasi-classical approximation for heavy ion elastic scattering 9—63686
Barashev, V.A., Semibalamut, V.M., Titov, E.A. Interaction of a standing frequency-modulated wave with a gas of two-level molecules 9—94295
Barasheva, T.V., Anisimova, I.A., Gus'kova, E.I., Ermolova, M.I. Hydrogen diffusion in titanium and zirconium alloys 9—51312
Barashkov, B.I. *see* Andreyeva, N.Ye. 9—79468
Barassin, A. *see* Thomas, R. 9—94766
Barassin, J. *see* Thomas, R. 9—94766
Barat, M. *see* Dowek, D. 9—86037
Barat, M. *see* Olsen, J.O. 9—68314
Barat, M. *see* Reynaud, C. 9—89775
Baratoff, A. Dissipative structures in quasi-one-dimensional superconductors 9—87186
Baratoff, A., Kramer, L. Dynamics of gapless superconducting weak links 9—56422
Baratov, A.N. *see* Krivulin, V.N. 9—100368
Baraz, A.R., Zolotarev, S.N., Molotilov, B.V., Solovyov, V.A. Plastic relaxation of internal stresses during mechanical twinning in niobium single crystals at 4.2K 9—66108
Barazangi, M., Isacks, B.L. Subduction of the Nazca plate beneath Peru: evidence from spatial distribution of earthquakes 9—66671
Barb, D., Constantinescu, S., Zheludev, I.S. Mossbauer investigation of orthorhombic-trigonal transition region in $Ni_{0.6}Fe_{2.4}$-I-boracite 9—87342
Barbanel', I.S., Barbanel', S.R. Coherent multiplicative photometric analysis 9—67373
Barbanel', S.R. *see* Barbanel', I.S. 9—67373
Barbara, A.K. *see* Devi, M. 9—88529
Barbara, B., Boucherle, J.X., Michelutti, B., Rossignol, M.F. First order reorientation of $HoAl_2$ 9—87291
Barbara, B., Rossignol, M.F., Boucherle, J.X., Schweizer, J., Buevoz, J.L. Magnetic ordering and anomalous ground state in $CeAl_2$ 9—78331
Barbara, B. *see* Magnin, J. 9—78455
Barbarin, F., Chevarin, B., Germain, J.P. Electron paramagnetic resonance: study of molecular correlations in ordered and isotropic phases 9—91297
Barbarin, F., Germain, J.P. Study of phase transition in CBOOA by electron spin relaxation 9—55874
Barbarino, S., Lattuada, M., Riggi, F., Spitaleri, C., Vinciguerra, D. Quasi-free and sequential processes in the $^9Be(^3He,\alpha\alpha)^4He$ reaction at 2.8 MeV 9—67759
Barbarito, E., Basta, M., Calicchio, M., Tessari, G. Low energy electron scattering from methane 9—86076
Barbaro, S., Coppolino, S., Leone, C., Sinagra, E. An atmospheric model for computing direct and diffuse solar radiation 9—74947
Barbaro, V., Macellari, V. Intracranial pressure monitoring by means of a passive radiosonde 9—57798
Barbaro-Galtieri, A. *see* Piccolo, M. 9—93439
Barbaro-Galtieri, A. *see* Rapidis, P.A. 9—75780

Barbashov, B.M., Koshkarov, A.L. Some solutions of boundary conditions for relativistic string with massive ends 9—49493

Barbashov, V.I. *see* Zaitsev, V.I. 9—69109

Barbato, E. Jastrow calculation of the binding energy of a Λ^0-particle in nuclear matter 9—93545

Barbato, J.P. Areal parameters of the sea breeze and its vertical structure in the Boston Basin 9—88396

Barbe, A., Marche, P., Secroun, C., Jouve, P. Measurements of tropospheric and stratospheric H_2CO by an infrared high resolution technique 9—84371

Barbe, A., Secroun, C., Jouve, P., Camy-Peyret, C., Flaud, J.M. High resolution infrared spectrum of the $\nu_2+\nu_3$ and $\nu_1+\nu_2$ bands of ozone 9—64001

Barbe, A. *see* Marche, P. 9—66764

Barbe, R. *see* Astruc, J.P. 9—72433

Barber, C.H. *see* Snowdon, K.J. 9—89040

Barber, D., Becker, U., Benda, H., Boehm, A., Branson, J.G., Bron, J., Buikman, D., Burger, J., Chang, C.C., Chen, M., Cheng, C.P., Chu, Y.S., Clare, R., Duinker, P., Fesefeldt, H., Fong, D., Fukushima, M., Ho, M.C., Hsu, T.T., Kadel, R., Luckey, D., Ma, C.M., Massaro, G., Matsuda, T., Newman, H., Paradiso, J., Revol, J.P., Rohde, M., Rykaczewski, H., Sinram, K., Tang, H.W., Ting, S.C.C., Tung, K.L., Vannucci, F., White, M., Wu, T.W., Yang, P.C., Yu, C.C. Test of quantum electrodynamics at $s^{1/2}$=13 and 17 GeV 9—54289

Barber, D., Becker, U., Benda, H., Boehm, A., Branson, J.G., Bron, J., Buikman, D., Burger, J., Chang, C.C., Chen, M., Cheng, C.P., Chu, Y.S., Clare, R., Duinker, P., Fesefeldt, H., Fong, D., Fukushima, M., Ho, M.C., Hsu, T.T., Kadel, R., Luckey, D., Ma, C.M., Massaro, G., Matsuda, T., Newman, H., Paradiso, J., Revol, J.P., Rohde, M., Rykaczewski, H., Sinram, K., Tang, H.W., Ting, S.C.C., Tung, K.L., Vannucci, F., White, M., Wu, T.W., Yang, P.C., Yu, C.C. Measurement of the relative total hadronic cross section R at PETRA 9—54346

Barber, D.J., Wenk, H.R. On geological aspects of calcite microstructure 9—57933

Barber, D.P., Becker, U., Benda, H., Boehm, A., Branson, J.G., Bron, J., Buikman, D., Burger, J., Chang, C.C., Chen, H.S., Chen, M., Cheng, C.P., Chu, Y.S., Clare, R., Duinker, P., Fang, G.Y., Fesefeldt, H., Fong, D., Fukushima, M., Guo, J.C., Herten, G., Ho, M.C., Hsu, K.K., Hsu, T.T., Kadel, R.W., Krenz, W., Li, I., Li, Q.Z., Lu, M., Luckey, D., Ma, D.A., Ma, C.M., Massaro, G.G.G., Matsuda, T., Newman, H., Paradiso, J., Poschmann, F.P., Revol, J.P., Rohde, M., Rykaczewski, H., Sinram, K., Tang, H.W., Tang, L.G., Ting, S.C.C., Tung, K.L., Vannucci, F., Wang, X.R., Wei, P.S., White, M., Wu, G.H., Wu, T.W., Xi, J.P., Yang, P.C., Yu, Z.H., Zhang, N.L., Zhu, R.Y. Study of electron-positron collisions at the highest PETRA energy 9—89175

Barber, D.P., Becker, U., Benda, H., Boehm, A., Branson, J.G., Bron, J., Buikman, D., Burger, J., Chang, C.C., Chen, H.S., Chen, M., Cheng, C.P., Chu, Y.S., Clare, R., Duinker, P., Fang, G.Y., Fesefeldt, H., Fong, D., Fukushima, M., Guo, J.C., Hariri, A., Herten, G., Ho, M.C., Hsu, H.K., Hsu, T.T., Kadel, R.W., Krenz, W., Li, J., Li, Q.Z., Lu, M., Luckey, D., Ma, D.A., Ma, C.M., Massaro, G.G.G., Matsuda, T., Newman, H., Paradiso, J., Poschmann, F.P., Revol, J.P., Rohde, M., Rykaczewski, H., Sinram, K., Tang, H.W., Tang, L.G., Ting, S.C.C., Tung, K.L., Vannucci, F., Wang, X.R., Wei, P.S., White, M., Wu, G.H., Wu, T.W., Xi, J.P., Yang, P.C., Yu, X.H., Zhang, N.L., Zhu, R.Y. Discovery of three-jet events and a test of quantum chromodynamics at PETRA 9—97631

Barber, G.C. *see* Stirling, W.L. 9—97920

Barber, J.R. Adhesive contact during the oblique impact of elastic spheres 9—77027

Barber, M.N. Variational approximations to renormalization groups 9—63169

Barber, P.W., Gandhi, O.P., Hagmann, M.J., Chatterjee, I. Electromagnetic absorption in a multilayered model of man 9—70580

Barber, P.W. *see* Dau-Sing Wang 9—64179, 9—94151

Barber, R., Brown, M.E. Thermocouples abcve 600°C. Infrar-red thermometers and optical pyrometers 9—85141

Barber, R., Brown, M.E. Calibration methods and standards for infrared thermometers 9—88958

Barber, R.E. An inexpensive high-Z accurate transistor voltmeter 9—80646

Barber, R.T., Huyer, A. Nitrite and static stability in the coastal waters off Peru 9—74899

Barber, V.C., Emerson, C.J. Techniques utilizing real time stereo scanning electron microscopy in the microdissection of biological tissues 9—80724

Barberan, N., Echenique, P.M. Comment on the plasmon model for image-potential-induced surface states 9—78147

Barberis, D., Hagen, H., Waldner, F., Arend, H. Electron spin resonance of Mn^{2+}-single ions, clusters and layers in the compounds $[NH_3-(CH_2)_2-NH_3]Cd_{1-x}Mn_xCl_4$ 9—78507

Barberis, G. *see* Davidov, D. 9—99765

Barberis, G.E., Davidov, D., Donoso, J.P., Rettori, C., Suassuna, J.F. Electron spin resonance of Nd^{+3} in d band cubic intermetallic compounds 9—78514

Barberis, G.E., Davidov, D., Donoso, J.P., Rettori, C., Suassuna, J.F., Dokter, H.D. Electron spin resonance of Nd^{3+} and Gd^{3+} in d-band intermetallic compounds 9—87315

Barberis, G.E., Davidov, D., Rettori, C., Suassuna, J.F. Comment on the Gd crystalline field and the Gd-Pr exchange in the Van Vleck monopnictides 9—69719

Barberis, M. *see* Antoni, R. 9—49646

Barberis, M.L. *see* Demichelis, F. 9—74767

Barbero, C. *see* Pavese, F. 9—95124

Barbetti, M., Flude, K. Geomagnetic variation during the Late Pleistocene period and changes in the radiocarbon time scale 9—62433

Barbezat, S. *see* Meyer, M. 9—60395

Barbi, M. *see* Ascoli, C. 9—83775

Barbiellini, G. *see* Jonker, M. 9—93399

Barbier, C. *see* Archirel, P. 9—50047

Barbier, D. *see* Montegu, B. 9—69479

Barbier, G. *see* Gourdon, J. 9—76099

Barbier, P., Parent, Y., Mairesse, G. Crystal structure of $K_3N(SO_3)_2.H_2O$ (I) and refinement of the crystal structures of $K_2NH(SO_3)_2$ (II) 9—69062

Barbier, P. *see* Mairesse, G. 9—73145

Barbier, R., Swings, J.P. HR 8752 9—92782

Barbier, Y., Galvain, D. Radioimmunological assay of gentamycine 9—96652

Barbieri, C., Bonoli, C., Rafanelli, P. A morphological study of 15 blue dwarf galaxies 9—101200

Barbieri, C., Di Serego, S., Zambon, M., Casini, C., Heidmann, J. Investigation of galaxies from Vorontsov-Vel'yaminov's second atlas 9—101201

Barbieri, C., Romano, G., Zambon, M. Survey of the optical variability of compact extragalactic objects. III. Objects from 23^h to 11^h 9—101215

Barbieri, O.De *see* De Barbieri, O.

Barbieri, R., Caffo, M., Remiddi, E. Hadronic decays of quarkonium into heavy quarks 9—58943

Barbieri, R., Curci, G., d'Emilio, E., Remiddi, E. Strong radiative corrections to annihilations of quarkonia in QCD 9—80809

Barbina, V., Calligaris, F., Ciuti, P. An apparatus for beta-counting used in a radiocarbon dating laboratory 9—80048

Barbini, P. A critical review of the method of reconstruction of images by their projection 9—53207

Barbini, R., Dattoli, G., Letardi, T., Marino, A., Renieri, A., Vignola, G. LEDA-F storage ring dedicated to the free electron laser operation. Preliminary design 9—68030

Barbon, R. Type I supernovae 9—53839

Barbour, J.B., Easthope, P. On the isotropy of mass and of the Universe 9—58455

Barboy, B., Tenne, R. Distribution functions and equations of state of sticky hard sphere fluids in the Percus-Yevick approximation 9—60240

Barboza, M., Rangel, C., Mena, B. Viscoelastic effects in flow through porous media 9—94684

Barca, L., Paoletti, R. Some remarks on refraction scotomata, in relation to eye chromatic aberration 9—62239

Barca, L., Paoletti, R. Glossary of clinical perimeters. II. The perimetric examination in the field of the physiology of vision 9—62244

Barca, L., Paoletti Perini, R. Incidence of the principal degenerative lesions in the eye counterlateral to the act of detachment 9—79514

Barca, L., Paoletti Perini, R. A glossary of ocular perimetry 9—79540

Barca, L., Vaccari, G. Anarchic versus random 100-Hue responses 9—62257

Barchet, W.R. *see* Weickmann, K.M. 9—79950

Barchukov, A.I. *see* Ageev, V.P. 9—91540

Barchukov, A.I. *see* Apollonov, V.V. 9—72603

Barcilon, A., Lessen, M. On the splitting of atmospheric and oceanic turbulent billows 9—79991

Barcilon, A. *see* Pfeffer, R.L. 9—79928

Barcus, L.C. Holographic displacement amplitude measurements of four anharmonic AT modes 9—54097

Bard, A. *see* Itaya, K. 9—60868

Bard, A.J. *see* Kohl, P.A. 9—70341, 9—99616, 9—99617

Bard, A.J. *see* Luttmer, J.D. 9—91510

Bard, A.J. *see* Reichman, B. 9—100390

Bard, A.J. *see* Teherani, T.H. 9—100386

Bard, F.Lely Garolla di *see* Lely Garolla di Bard, F.

Bardadin-Otwinowska, M. *see* Deutschmann, M. 9—85345

Bardakci, K. Local field theory for solitons. II 9—71622

Bardamova, M.I. *see* Gerko, V.I. 9—54865

Bardan, V. Some applications of distribution theory to the representation of signals and linear systems 9—58122

Bardati, F., Lampariello, P. The model spectrum of a lossy ferrimagnetic slab 9—86111

Bardeen, J. Theory of non-Ohmic conduction from charge-density waves in $NbSe_3$ 9—65459

Bardeen, J. Evolution of superconductivity 9—65591

Bardeen, W.A., Buras, A.J. Higher-order asymptotic-freedom corrections for photon-photon scattering 9—89130

Bardeen, W.A., Buras, A.J. Simple formulae for higher-order asymptotic freedom corrections 9—93426

Bardeen, W.A. *see* Lee, C. 9—71608

Bardelay, J., Pinson, P. Calculation of vibrational excitation in CO_2, CO, N_2, He discharges 9—77442

Bardenheier, R. Short-time testing of synthetic materials by the application of process computers 9—61822

Bardet, J.P. Static states and evolution dynamics of the space charge in dielectrics. Influence of the interfaces on the charges and potential distributions 9—69774

Bardet, L. *see* Lahet, C. 9—68218

Bardi, U. *see* Glachant, A. 9—99423

Bardin, D.Yu., Fedorenko, O.M. Estimate of systematic inaccuracies due to radiative corrections in ν_l N deep-inelastic scattering experiments 9—93403

Bardin, D.Yu., Shumeiko, N.M. Theoretical estimate of systematic effects in experiments on deep inelastic $l^{\pm}$N scattering 9—49526

Bardocz, L. *see* Mikolas, M. 9—81980

Bardolle, J. *see* Pantel, R. 9—65323

Bardos, C., Penel, P., Frisch, U., Sulem, P.L. Modified dissipativity for a non-linear evolution equation arising in turbulence 9—94594

Bardos, L. *see* Musil, J. 9—52406

Bardotti, G. *see* Ascoli-Bartoli, U. 9—60170

Bardsley, B., Christensen, D.A., Pryor, T.A. Phased array delay line bandwidth reduction 9—50552

Bardsley, B. *see* Eaton, M.D. 9—57739

Bardsley, J.N., Cohen, J.S., Wadehra, J.M. Resonant contributions to single charge transfer between He^{2+} and He 9—76511

Bardsley, J.N. *see* Derkits, C. 9—89796

Bardsley, J.N. *see* Sinha, S. 9—55447

Barducci, A., Casalbuoni, R., Lusanna, L. Dirac brackets for dynamical systems with redundant constraints 9—63078

Bardwell, C.M. *see* Kowal, C.T. 9—96973

Bare, J.E. *see* Dellwig, L.F. 9—66833

Bareishis, I.P. *see* Marchyulionis, D.-V.A. 9—52501

Barelko, V.V. *see* Zhukov, S.A. 9—90773

Barendregt, R.W., Ongley, E.D. Slope recession in the Onefour Badlands, Alberta, Canada: an initial appraisal of contrasted moisture regimes 9—92552

Barenfeld, L.S. *see* Tomilin, N.V. 9—92145

Barentsen, W. *see* Heikens, D. 9—57088

Barer, S.S., Deryagin, B.V., Kiseleva, O.A., Sobolev, V.D., Churaev, N.V. Study of thin interlayers between ice and the surface of quartz capillaries 9—55913

Barer, S.S., Kiseleva, O.A., Klad'ko, S.N., Sobolev, V.D., Churaev, N.V. Influence of surface condition on crystallization of aqueous solutions in capillaries 9—56037

Baret, J.F. *see* Dupin, J.J. 9—56041

Baret, J.F. *see* Lin, M. 9—99395

Baretich, M.F., Craft, K. Sources of clinical engineering employment information 9—92918

Barez, F., Goldsmith, W., Sackman, J.L. Longitudinal waves in liquid-filled tubes. I. Theory 9—64562

Barez, F., Goldsmith, W., Sackman, J.L. Longitudinal waves in liquid-filled tubes. II. Experiments 9—64604

Barfield, J.N. *see* Horita, R.E. 9—53673

Barfield, J.N. *see* Hughes, W.J. 9—80094

Barfield, W.D. Partial photoionization cross sections and radiative recombination rate coefficients for lithium-like ions 9—49994

Bargawi, A. *see* Machali, F. 9—69952

Barge, F.A. *see* Lauchle, G.L. 9—94394

Barger, J.E. Frequency-dependent ultrasonic backscatter from brain tissue 9—79620

Barger, R.L., Bergquist, J.C., English, T.C., Glaze, D.J. Resolution of photon-recoil structure of the 6573-Å calcium line in an atomic beam with optical Ramsey fringes 9—85925

Barger, R.L. *see* Bergquist, J.C. 9—54204

Barger, V., Gottschalk, T., Phillips, R.J.N. Single lepton spectra from bb and tt quark production in e^+e^- annihilation 9—49461

Barger, V., Keung, W.Y., Phillips, R.J.N. Multimuon production by muons 9—93429

Barger, V., Long, W.F., Pakvasa, S. Constraints on weak-current angles of the six-quark model from the K^0-$\bar{K}^0$ system 9—71685

Barger, V., Long, W.F., Pakvasa, S. Lifetimes and branching fractions of mesons with heavy-quark constituents 9—93404

Barger, V., Pakvasa, S. Two-body hadronic decays of D mesons 9—97618

Barham, P.J., Arridge, R.G.C. Effect of the gaseous environment on mechanical relaxations in polymers 9—96068

Barhydt, H. Effect of F/number and other parameters on performance of nearly BLIP search and surveillance systems. II 9—58792

Bari, R.A., Ludewig, H., Pratt, W.T., Sun, Y.H. Recriticality considerations for the loss-of-heat-sink accident with scram 9—49760

Bari, R.A., Ludewig, H., Pratt, W.T., Sun, Y.H. Accident progression for a loss-of-heat-sink with scram in a liquid-metal fast breeder reactor 9—81022

Bari, R.A. *see* Perkins, K.R. 9—59146, 9—85654

Baribaud, G., Battisti, S., Benincasa, J.P., Boillot, J., Boutheon, M., Cailliau, R., Carpenter, B., Cuperus, J., Daems, G., Daneels, A., Debordes, R., Heymans, P., Kamber, I., Kugler, H., Kuiper, B., Perriollat, F., Potier, J.P., Remmer, W., Serre, Ch., Skarek, P., van der Schueren, A. The improvement project for the CPS controls 9—72209

Barigelletti, F., Dellonte, S., Mancini, G., Orlandi, G. On the energy-transfer rate parameters of liquid alkanes 9—86031

Barikhin, B.A. *see* Artamonov, I.I. 9—89916

Baril, M. *see* Berger, C. 9—75651

Barillet, R. *see* Audoin, C. 9—55101

Baringer, P.S. *see* Neal, H.A. 9—97636

Barinov, N.U., Grudtsin, S.N., Demidov, N.G., Ezhela, V.V., Perevozchikov, V.M., Shelkovenko, A.N., Yarba, V.A. Simple relation between energy positions of maxima in total cross section of hadronic reactions and possible consequences for hadronic spectroscopy 9—54356

Barinov, S.M., Krasulin, Yu.L. On the transition of ionic-covalent crystals to the plastic state 9—90717

Barinov, S.M., Timofeev, V.N., Karsulin, Yu.L., Grevtsev, S.N. Evaluation of components of the effective impact fracture work OF graphite 9—57170

Barinov, S.M., Timofeev, V.N., Krasulin, Yu.L., Grevtsev, S.N. Determining the amount of the jump in a crack in brittle materials 9—87712

Barinov, V.Yu. Influence of irradiation by fast electrons on the structure of polyethylene 9—94987

Barinova, E.S. *see* Vorzobova, N.D. 9—68372

Barish, B.C. Neutrino physics and related subjects 9—80823

Barish, B.C., Bartlett, J.F., Bodek, A., Brown, K.W., Shaevitz, M.H., Siskind, E.J., Diament-Berger, A., Dishaw, J.P., Faessler, M., Liu, J.K., Merritt, F.S., Wojcicki, S.G. Evidence for prompt single muon production in 400 GeV proton interactions 9—63536

Barish, B.C. *see* Brown, K.W. 9—80855

Barish, B.C. *see* Dishaw, J.P. 9—85473

Barish, J. *see* Alsmiller, R.G., Jr. 9—54624, 9—68075, 9—81061

Barish, R.J. *see* Seelentag, W.W. 9—57759

Barish, S.J., Derrick, M., Dombeck, T., Hyman, L.G., Jaeger, K., Musgrave, B., Schreiner, P., Singer, R., Snyder, A., Barnes, V.E., Carmony, D.D., Garfinkel, A.F. Study of neutrino interactions in hydrogen and deuterium. II. Inelastic charged-current reactions 9—71742

Bariss, V.O., Paikens, G.R. Determination of activation energy number for impurity level parameter calculation and connections between spin degeneracy factor values 9—69462

Barit, I.Ya., Balashko, Yu.G., Dul'kova, L.S., Zavarzina, V.P. Differential cross sections for scattering of deuterons on ^{4}He nuclei in the deuteron energy region 870-1430 keV 9—59075

Barit, I.Ya., Balashko, Yu.G., Dul'kova, L.S., Zavarzina, V.P. Differential deuteron-proton scattering cross sections at 800-1430 keV 9—80947

Barjhoux, Y., Boucher, J.P., Cibert, J. EPR measurements in one-dimensional anisotropic paramagnet $CsNiF_3$ 9—73799

Bark, F.H., Bark, T.H. On axially antisymmetric geostrophic flows in rapidly rotating gases 9—90259

Bark, F.H., Wallin, H.-P., Gallstedt, M.G., Kristiansson, L.P. Swirling water bells 9—50733

Bark, T.H. *see* Bark, F.H. 9—90259

Barkalov, A.D., Gavrilyuk, V.D., Gladush, G.G., Glova, A.F., Golubev, V.S., Lebedev, F.V. Mechanism of penetration of a variable current in a molecular gas 9—55584

Barkalow, B.H. *see* Cook, A.M. 9—97132

Barkats, G. Development of a rigid fold-out solar array for 3 axes-stabilized geosynchronous satellites 9—96468

Barkatt, A., Angell, C.A., Miller, J.R. Radiation products and tunneling process in ionic glasses. I. Radiation products and recombination in undoped nitrate and acetate glasses 9—57261

Barkatt, A. *see* Simmons, J.H. 9—49708

Barker, B.M., O'Connell, R.F. Center of inertia and coordinate transformations in the post-Newtonian charged n-body problem in gravitation 9—93025

Barker, D.B. *see* Der, V.K. 9—50684

Barker, D.L. *see* Loree, T.R. 9—59755

Barker, E.S. Detection of SO_2 in the UV spectrum of Venus 9—62781

Barker, E.S. *see* Young, A.T. 9—75130

Barker, J. *see* Fritz, P. 9—84324

Barker, J.A. A quantum-statistical Monte Carlo method; path integrals with boundary conditions 9—67223

Barker, J.R., Ferry, D.K. Self-scattering path-variable formulation of high-field, time-dependent, quantum kinetic equations for semiconductor transport in the finite-collision-duration regime 9—73519

Barker, J.R., Shen-Maw Lin, Weston, R.E., Jr. Energy-dependent cross sections for quenching of Li(^{2}P) and Na(^{2}P) 9—63952

Barker, J.R. *see* Ferry, D.K. 9—60843

Barker, J.R. *see* Rossi, M. 9—100406

Barker, K., Kaliszer, H., Rowe, G.W., Roy-Chowdhury, S.K. Cyclic wear behavior produced by thermal, metallurgical, and chemical action 9—52380

Barker, L.A., Herczeg, T.J. Photoelectric observations and period study of AK Herculis 9—67065

Barker, M.G., Dawson, A.P. The reactions of the oxides Cu_2O and CuO with potassium monoxide and liquid potassium 9—66277

Barker, M.G. *see* Alexander, I.C. 9—66276

Barker, P.H. *see* Burcham, W.E. 9—93619

Barker, P.R. *see* Moncrieff, D.A. 9—49342

Barker, R.D. *see* Leite, J.L. 9—57977

Barker, R.E., Jr., Tsai, R.C., Willency, R.A. Entropy correlation theory and diffusion measurements for oriented polymers 9—69291

Barkhalov, B.Sh. *see* Vidadi, Yu.A. 9—51700

Barkhatov, A.N., Gavrilenko, V.G., Mart'yanov, A.I. Spectrum of a signal scattered by sound-absorbing turbulent jet 9—94695

Barkhatov, L.S. *see* Shpil'rain, E.E. 9—82366

Barkhatov, N.A., Bespalov, P.A. Diagnostics of plasma condensations from magnetic field records on a geostationary satellite 9—58189

Barkhatow, L.S. *see* Shpil'rain, E.E. 9—99299

Barkin, Yu.V., Alshaboury, S.M. Intermediate theory of the resonance translational-rotational motion of a rigid body in the gravitational field of a sphere 9—96899

Barkley, M.D., Zimm, B.H. Theory of twisting and bending of chain macromolecules; analysis of the fluorescence depolarization of DNA 9—70509

Barkman, J.H., Campbell, D.A. Overview of power generation from geothermal energy 9—87965

Barkov, L.A. *see* Vydrin, V.N. 9—100195

Barkov, L.M., Zolotorev, M.S. Parity violation in atomic bismuth 9—85927

Barkov, V.N. *see* Anokhin, Yu.A. 9—58821

Barkov, Yu.D. *see* Arkhipenko, V.I. 9—76544

Barkova, L.A. *see* Gruzinskii, V.V. 9—54891

Barkovskii, A.N., Popkov, K.K. Spatial-angular distributions of fast neutrons in iron 9—97743

Barkovskii, L.M. Construction of input wave impedances of layered anisotropic media by the direct tensor method 9—94136

Barkovskii, L.M., Borzdov, G.N. Reflection of electromagnetic waves from layered continuously inhomogeneous anisotropic media: multiple-reflection method 9—72465

Barkovskii, Yu.S., Yudovich, V.I. Taylor vortex formation in the case of variously rotating cylinders and the spectral properties of one class of boundary-value problems 9—90262

Barletta, R.E. *see* Catalano, E. 9—66308

Barley, M.E., Dunlop, J.S.R., Glover, J.E., Groves, D.I. Sedimentary evidence for an Archaean shallow-water volcanic-sedimentary facies, eastern Pilbara Block, Western Australia 9—57926

Barlier, F., Berger, C., Falin, J.L., Kockarts, G., Thuillier, G. Comparisons between various semi-empirical thermospheric models of the terrestrial atmosphere 9—66852

Barlier, F. *see* Boudon, Y. 9—75505

Barlier, F. *see* Villain, J.-P. 9—96846

Barloutaud, R. *see* Cochet, C. 9—80854

Barlow, D.I., Sleigh, M.A. Freeze substitution for preservation of ciliated surfaces for scanning electron microscopy 9—74805

Barlow, J.S. Computerized clinical electroencephalography in perspective 9—70655

Barlow, R.B., Jr. *see* Chamberlain, S.C. 9—53096

Barlow, R.J. *see* Brandelik, R. 9—63491, 9—93441

Barlow, S.M. *see* Bayat-Mokhtari, P. 9—65963

Barlow, W.A. *see* Vincett, P.S. 9—95293

Barma, M., Kumar, D. A position space renormalisation group approach to the compressible Ising model 9—56552

Barma, M., Kumar, D., Pandey, R.B. Renormalisation group calculations for the dilute Heisenberg magnet 9—56550

Barma, M., Sharma, K.C. Specific heat of the random Ising chain 9—56562

Barmak, R.A. Contact compression of circular cylinders with rough surfaces 9—50671

Barman, S.K. *see* Karanjai, S. 9—84660

Barmin, A.A. New types of ionizing shock waves in an electromagnetic field 9—64867

Barmore, W.L., Ruotola, A.W., Vandervoort, R.R. Apparatus for in situ creep testing during irradiation with high-energy neutrons from a planar neutron source 9—79200

Barmore, W.L. *see* Vandervoort, R.R. 9—74221

Barna, A., Barna, P.B., Radnoczi, G., Toth, L. Formation of aluminium films with oxygen contamination 9—82487

Barna, A., Cohen, J., Ochiana, G., Oncescu, M. Mathematical modelling for selective determination of radionuclides distribution in a medium 9—81098

Barna, A., Gaal, I., Geszti-Harkner, O., Radnoczi, G., Uray, L. The fibre structure of K-Si-Al doped tungsten wires 9—56993

Barna, A., Nemeth-Sallay, M., Szep, I.C., Didenko, P.I., Litovchenko, V.G., Marchenko, P.I., Romanova, G.F. Room temperature transformations induced in SiO_2 layers by chemical compounds. I 9—55667

Barna, A. *see* Csanady, A. 9—61789

Barna, P.B. *see* Barna, A. 9—82487

Barna, P.B. *see* Csanady, A. 9—61789

Barna, P.B. *see* Mojzes, I. 9—95495

Barnard, A.J. *see* Pilon, P.J. 9—98023

Barnard, B.R., Caplin, A.D. 'Simple' behaviour of the low temperature electrical resistivity of silver? 9—60795

Barnard, B.R., Caplin, A.D. A simple ultra high resolution SQUID resistance bridge 9—63275

Barnard, R.D. *see* Chowdhry, A.R. 9—65438

Barnard, R.W. Interpretation of prompt-fission-neutron uranium borehole logs 9—53567

Barnard, S. *see* Hogan, A.W. 9—70855

Barnas, J. A theoretical study of interactions in the magnon-plasmon system in ferromagnetic semiconductors 9—69659

Barnaveli, T.T., Grubelashvili, G.A., Levit, O.I., Khaldeeva, I.V., Eristavi, D.A., Eristavi, N.A. Penetrating-particle beams generated locally at a depth of 200 m air equivalent 9—84603

Barnea, G. Theory for the complex dynamic structure factor of an electron gas 9—56152

Barneoud, D. *see* Foin, C. 9—85354

Barneoud, D. *see* Pinston, J.A. 9—63590

Barner, K., Berg, H. The growth figures of MnAs 9—60664

Barner, K. *see* Krokoszinski, H.-J. 9—99820

Barnes, A. On space-times admitting a three-parameter isometry group with two-dimensional null orbits 9—85019

Barnes, B.D., Diamond, S., Wolch, W.L. Micromorphology of the interfacial zone around aggregates in Portland cement mortar 9—61598

Barnes, B.K., Phillips, J.R., Waterbury, G.R., Quintana, J.N., Netuschil, J.R., Murray, A.S. Characterization of irradiated nuclear fuels by precision gamma scanning 9—49688

Barnes, C.E. The effect of gamma irradiation and forward bias on the 76K electroluminescence spectrum of GaP:Zn,O 9—78756

Barnes, C.E. Gamma-induced trapping levels in Si with and without gold doping 9—87059

Barnes, C.E. Radiation effects in 1.06-μm InGaAs LEDs and Si photodiodes 9—97433

Barnes, C.J. Interactions between particles or arbitrary shape. I. Uncharged particles 9—100453

Barnes, D.C. *see* Freidberg, J.P. 9—64897

Barnes, F.S. *see* Hogan, S. 9—95522

Barnes, G.T., Brezovich, I.A. The design and performance of a scanning multiple slit assembly 9—70616

Barnes, H.L. *see* Potter, R.W., II 9—66040

Barnes, I., Downes, C.J., Hulston, J.R. Warm springs, South Island, New Zealand, and their potentials to yield laumontite 9—62528

Barnes, I.L. *see* Kingston, H.M. 9—74557

Barnes, J. *see* Briggs, G.A. 9—84707

Barnes, J. *see* James, P.B. 9—84715

Barnes, J.C., Duncan, C.S., Hetherington, A., Paton, J., Sesay, L.J., Smith, W.R. Metal ions doped into caesium cadmium trinitrite: spectroscopic, crystallographic and thermal decomposition studies 9—51081

Barnes, J.C., Sesay, L.J. Solid solutions of caesium nitrate with caesium nitrite 9—51082

Barnes, J.L. *see* Reichmuth, H.S. 9—74537

Barnes, J.M. *see* Santoro, R.T. 9—59253, 9—59261

Barnes, L.D. *see* Ayers, A.L. 9—89383

Barnes, N.P., Piltch, M.S. Temperature-dependent Sellmeier coefficients and nonlinear optics average power limit for germanium 9—50349

Barnes, P. Machine simulation of water 9—60249

Barnes, P. *see* Marlow, D. 9—85564

Barnes, P.A., Leamy, J.H., Poate, J.M., Ferris, S.D., Williams, J.S., Celler, G.K. Ohmic contacts produced by laser-annealing Te-implanted GaAs 9—73585

Barnes, R.M. *see* Lloyd, R.J. 9—74438

Barnes, R.M. *see* Quimby, B.D. 9—74447

Barnes, S.E. Compatibility of the Friedel-Anderson VBS and ionic approaches to the theory of magnetic ions in metals 9—61051
Barnes, T., Beardsley, B., Moffett, T., Odewahn, S., de Vaucouleurs, G., de Vaucouleurs, A., Kaila, K. Supernova in NGC 4321 9—80330
Barnes, T.G., III, Moffett, T.J. A UBVRI equatorial extinction star network 9—84827
Barnes, T.G., III. *see* Moffett, T.J. 9—62875, 9—70962
Barnes, V.E. *see* Barish, S.J. 9—71742
Barnes, W.H., Bradfield, J.S., Hammond, D.B. A simple method of protecting the eye from scattered radiations during mantle-field therapy 9—92396
Barnes, W.P., Jr., McDonough, R.R. Low scatter finishing of aspheric optics 9—59855
Barnes, W.T., Lytle, F.E. Fluorescence decay measurement via modulated gain spectroscopy 9—64025
Barnett, A.R. *see* Khan, F.M. 9—67728
Barnett, C. *see* Kimball, C.W. 9—56650
Barnett, C.F. *see* Cisneros, C. 9—59563
Barnett, D.M. *see* Bacon, D.J. 9—60365, 9—73162
Barnett, D.M. *see* Hirth, J.P. 9—99432
Barnett, D.M. *see* Kino, G.S. 9—77033
Barnett, D.M. *see* Spingarn, J.R. 9—95074
Barnett, M., Ramsay, D.A., Till, S.M. Magnetic optical activity in the $\tilde{A}^1A_2$-$\tilde{X}^1A_1$ system of formaldehyde-d_2 9—98127
Barnett, R.L. *see* Allison, I. 9—79831
Barnett, R.M. *see* Abbott, L.F. 9—89122
Barnett, R.N., Bass, R. Lattice dynamics of a 15-layer unrelaxed MgO (001) slab: breathing-shell model 9—73389
Barnett, S.A. *see* Bajor, G. 9—91087
Barnett, S.A. *see* Eltoukhy, A.H. 9—83120
Barnett, T.G. Precision fullwave integrator for physiological data processing 9—83988
Barnett, T.P., Preisendorfer, R.W. Multifield analog prediction of short-term climate fluctuations using a climate state vector 9—58019
Barnett, T.P. *see* Patzert, W.C. 9—84517
Barnham, K.W.J., Chima, J.S., Bloch, M., Bockmann, K., Davis, C.L., Fritze, P., Grossmann, P., Hartmann, R., Hulth, P.O., Pech, R., Saitta, B., Schulte, R., Scott, W.G., Seyfert, H., Tallini, B., Vayaki, A., Vignaud, D. Sphericity and thrust distributions in high energy neutrino interactions 9—85293
Barnham, K.W.J., Craigie, N.S. The parent-child relationship for prompt leptons and neutrinos produced in the forward direction 9—80824
Barnham, K.W.J. *see* Deutschmann, M. 9—85345
Barnham, K.W.J. *see* Girtler, P. 9—89197
Barnham, K.W.J. *see* Otter, G. 9—85338
Barnhill, M.V., Cheng, W.K., Halprin, A. Partial conservation of axial-vector current effects in the MIT bag model 9—93378
Barnhill III, M.V. Bag-model electromagnetic form factors 9—93419
Barnick, J., Barnick, W., Wendt, G. An instrument for measuring the blood pressure of newborn infants 9—92406
Barnick, W. *see* Barnick, J. 9—92406
Barnier, S.B., Guittard, M., Flahaut, J. Study of glass formed in the ternary system Eu-As-S 9—99080
Barnik, M.I., Belyaev, S.V., Grebenkin, M.F., Rumyantsev, V.G., Seliverstov, V.A., Tsvetkov, V.A., Shtykov, N.M. Electrical, optical, and viscoelastic properties of a liquid-crystal mixture of azoxy compounds 9—55803
Barnik, M.I. *see* Blinov, L.M. 9—90530
Barnik, M.I. *see* Karamysheva, L.A. 9—86685
Barnoski, M.K., Chen, B., Gerard, H.M., Marom, E., Ramer, O.G., Smith, W.R., Jr., Tangonan, G.L., Weglein, R.D. Design, fabrication and integration of components for an integrated optic spectrum analyzer 9—50445
Barnoski, M.K., Chen, B., Gerard, H.M., Marom, E., Ramer, O.G., Smith, W.R., Jr., Tangonan, G.L., Weglein, R.E. Design, fabrication and integration of components for an integrated optic spectrum analyzer 9—72720
Barnoski, M.K. *see* Fields, J.N. 9—50564
Barnoski, M.K. *see* Ramer, O.G. 9—50330
Barnoski, M.K. *see* Tangonan, G.L. 9—50429
Barnsley, M., Bessis, D. Constructive methods based on analytic characterizations and their application to nonlinear elliptic and parabolic differential equations 9—71225
Barnsley, M., Bessis, D., Moussa, P. The Diophantine moment problem and the analytic structure in the activity of the ferromagnetic Ising model 9—61026
Barnsley, M., Turchetti, G. On the Abel transformation and the nonlinear Boltzmann equation 9—85097
Barnwal, S.P. *see* Srivastava, O.S. 9—68788
Barnwell, T.P., III *see* Leach, W.M., Jr. 9—59901
Baro, R. *see* Baltzinger, C. 9—51038
Baro, R. *see* Esling, C. 9—83229
Baro, R. *see* Ruer, D. 9—83218
Barocas, V. The solar corona 9—71014
Baron, A. *see* Adler, D. 9—98769
Baron, A. *see* Raoult, F. 9—95532
Baron, A.A. *see* Drozd, M.S. 9—87773
Baron, C.E., Marschoff, C.M., Aragon, P.J. Corrosion rates of dental amalgam in Ringer solutions and artificial saliva 9—87758
Baron, E. The beam-stripper interaction studies for GANIL 9—54721
Baron, E. *see* Attal, P. 9—54613
Baron, J.C. *see* Crouzel, C. 9—57775
Baron, J.L. *see* Hammad, F.H. 9—65200
Baron, J.-L., Virot, A., Delaplace, J. Study of zirconium-nickel alloys with a view to the storage of hydrogen in the form of capsules 9—92091
Baron, J.S. *see* Coplan, B.V. 9—54571
Baron, K. Carbon monoxide oxidation on platinum-lead films 9—52469
Baron, M. A kinetic model for solute redistribution to sinks and void growth in irradiated dilute alloys 9—78973
Baron, M., Chang, A., Bleiber, M.L. Analysis of solute redistribution and void swelling in neutron-irradiated alloys 9—60407
Baron, M. *see* Chang, A.L. 9—78977
Baron, R., Baukus, J.P., Allen, S.D., McGill, T.C., Young, M.H., Kimura, H., Winston, H.V., Marsh, O.J. Nature of the 0.111-eV acceptor level in indium-doped silicon 9—51512
Baron, R. *see* Young, M.H. 9—87055
Baron, S. Solar energy—will it conserve our nonrenewable resources? 9—87976
Baron, V.D., Protasov, V.R., Sablin-Yavorskii, A.D. The quasi-constant electric field near fish 9—70730
Baron, W.S., Hammon, R.W., Boynton, R.M. Component analysis of the foveal local electroretinogram elicited with sinusoidal flicker 9—74660
Baron, Y. *see* Guegueniat, P. 9—84219
Baronavski, A., McDonald, J.R. Photofragment spectroscopy of the A⇄X transition in CN using two pulsed lasers 9—52726
Baronavski, A.P. *see* Drozdoski, W.S. 9—83489
Baroncelli, A. *see* Jonker, M. 9—93399
Barone, A. *see* Balsamo, E.P. 9—56430
Barone, D. *see* Das, P. 9—53586
Barone, D.K., Das, P. Measurement of blood coagulation time using ultrasound 9—83870
Barone, J.B., Cahill, T.A., Eldred, R.A., Flocchini, R.G., Shadoan, D.J., Dietz, T.M. A multivariate statistical analysis of visibility degradation at four California cities 9—62579
Barone, L.M., Bizzarri, R., Dionisi, C., Loverre, P.F., Rossi, V., Valente, E., Bettini, A., Castelli, E., Cresti, M., Mazzucato, M., Omero, C., Peruzzo, L., Poropat, P., Rossi, P., Sartori, G., Sartori, S.M., Sessa, M., Susinno, G., Ventura, L., Votano, L., Zumerle, G. Study of the production of three charged pions in $\bar{p}n$ annihilation at 3 GeV/c 9—80835
Barone, M. *see* Giboni, K.L. 9—89204
Barone, M.R., Caulk, D.A. The effect of deformation and thermoset cure on heat conduction in a chopped-fiber reinforced polyester during compression molding 9—86325
Barone, R., Chanon, M. Organic synthesis computing. Representation of molecules and reactions. Proposals for the synthesis of the aza-6-uracile 9—52653
Barone, V., Douady, J., Ellinger, Y., Subra, R., Pauzat, F. Non-empirical calculations on the conformation and hyperfine structure of the silyl radical. Influence of vibrational effects 9—97998
Baroni, G. *see* Angelini, C. 9—67548
Baroni, G. *see* Read, A.L. 9—49510
Baroni, L., Callegari, G., Gualdi, C., Fortini, P. On some dissipative effects connected with an indirect evidence of gravitational radiation 9—75236
Baroni, S. *see* Muminovic, M. 9—92784
Baronnet, F. *see* Jezequel, J.-Y. 9—52649
Baronov, G.S. *see* Averin, V.G. 9—89896
Baros, J. *see* Evans, D. 9—58441
Barquins, M., Maugis, D., Blouet, J., Courtel, R. Contact area of a ball rolling on an adhesive viscoelastic material 9—52394
Barr, A.D.S. *see* Elwany, M.H.S. 9—68629
Barr, F.P. *see* Carpenter, R.L. 9—70726
Barr, J.B. *see* Chwastiak, S. 9—79031
Barr, R.E., Ackmann, J.J., Sonnenfeld, J. Peak-detection algorithm for EEG analysis 9—74772
Barr, R.E. *see* Tang, T.E. 9—84043
Barr, S., Langacker, P. Superweak gauge theory of CP-invariance violation 9—75710
Barr, S.M. Comments on unitarity and the possible origins of the baryon asymmetry of the Universe 9—88589
Barr, T.L. Applications of ESCA in industrial research. II 9—74462
Barr, T.L., Natarajan, B.R., Eltoukhy, A.H., Greene, J.E. Characterization of InN, In_2O_3, and In oxy-nitride semiconducting thin films using XPS electron energy loss spectra 9—87561
Barr, T.L. *see* Greene, J.E. 9—52071
Barr, W.L. *see* Fink, J.H. 9—49836
Barr, W.L. *see* Moir, R.W. 9—71972
Barraclough, D.R., Malin, S.R.C. Geomagnetic secular acceleration 9—88249
Barradas, R.G. *see* Fletcher, S. 9—61865
Barral, G., Guitton, J., Montella, C., Vergara, F. Study RuO_2 anodic coating on a titanium substrate. II. Evolution of the structure and electrochemical properties in the course of wear in a medium of MH_2SO_4 9—83385
Barrall, E.M., II, Goodby, J.W., Gray, G.W. The previously unclassified smectic phases of bis-(4′-n-heptyloxybenzylidene)-1,4-phenylenediamine (HEPTOBPD) 9—77508
Barranco, M., Vinas, F.J., Madurga, G. The first 2^+ and 3^- excited levels of isotopes (isotones) with magic Z (N) 9—80874
Barranco, M., Vinas, F.J., Madurga, G. BCS approximation with a global self-consistent model 9—89249
Barrandon, J.N. *see* Borderie, B. 9—79352
Barratt, P.J., Leslie, F.M. Reflection and refraction of an obliquely incident shear wave at a solid-nematic interface 9—86691
Barratt, R.P., Sollenberger, N. Signal generator from a 50-cent integrated circuit chip 9—48998
Barrau, B. *see* Ali Kone 9—65482
Barrault, M.R. *see* Walmsley, H.J. 9—60208
Barre, J. *see* Ansel, D. 9—86915
Barreiro, F. *see* Aguilar-Benitez, M. 9—97635
Barreiro, F. *see* Brick, D. 9—58980
Barrell, K.F., Pask, C. Ray launching and observation in graded-index optical fibers 9—55218
Barrell, K.F., Pask, C. Geometric optics analysis of non-circular, graded-index fibres 9—55231
Barret, C., Vapaille, A. Interface states in a cleaved metal-silicon junction 9—91118
Barreto, F.C.Sa *see* Sa Barreto, F.C.
Barrett, A.H. *see* Myers, P.C. 9—100691
Barrett, A.J., Domb, C. Virial expansion for a polymer chain: the two parameter approximation 9—72450
Barrett, A.S. Image restoration 9—55066
Barrett, B.R., Coon, S.A., McNamee, P.C., Scadron, M.D., Blatt, D.W.E., McKellar, B.H.J. The two pion exchange three-nucleon potential and nuclear matter 9—75865
Barrett, B.R. *see* Shlomo, S. 9—89265
Barrett, E.C. *see* Harris, R. 9—53541
Barrett, H.H., Chiu, M.Y., Gordon, S.K., Parks, R.E., Swindell, W. Optical transfer function synthesis: a geometrical optics approach 9—94163
Barrett, H.H., Jacobs, S.F. Retroreflective arrays as approximate phase conjugators 9—72508
Barrett, H.H. *see* Glaser, I. 9—83895
Barrett, J. *see* Torrie, G.M. 9—95259
Barrett, J.H. *see* Jackson, D.P. 9—69942
Barrett, L.R. *see* Park, H.K. 9—90791, 9—91828
Barrett, P.H. *see* McNab, T.K. 9—85924
Barrett, R. *see* Stephens, L.D. 9—67135
Barrett, R.C. The kaon-nucleus potential for kaonic atoms 9—98255
Barrett, R.F. *see* Baldock, R.A. 9—63680
Barrett, T., Lunney, D., Salt, A.D., Walter, M. A microcomputer-controlled transient recorder. A simple and instructive experiment in interfacing [teaching] 9—84919
Barrett, T.R., Thom, D. Decommissioning and rebuilding active reprocessing plant 9—71932
Barrett, T.W. A difference in polarizability between normal and sickle cell oxyhemoglobin as revealed by resonance Raman spectroscopy 9—62191
Barrett, T.W. The S-matrix analysis of quantum electrodynamics as three-body interaction and an interpretation of the Klauder phenomenon 9—80777
Barrett, T.W., Peticolas, W.L. Laser Raman inelastic light scattering investigations of hyaluronic acid primary and secondary structure 9—59467
Barrett, W.L. Acoustic detection of cosmic-ray air showers 9—66901
Barrette, J. *see* Egelhof, P. 9—67737
Barricelli, N.A. Heavy neutral lepton predicted by a magnetic quark model 9—75738
Barrick, J.C. *see* Giessen, B.C. 9—73151
Barrie, A. *see* Alford, N.A. 9—92043
Barrie, L.A., Walmsley, J.L. A study of sulphur dioxide deposition velocities to snow in northern Canada 9—70478
Barrie, L.A. *see* Lusis, M.A. 9—74565
Barrie, R. *see* Kirczenow, G. 9—69442, 9—69466
Barriere, A.S. *see* Lascaud, M. 9—99649
Barriere, A.S. *see* Segui, Y. 9—77821
Barrington, R.E. Canadian space activities in the past quarter century 9—84631
Barrio, M. *see* Martinez, A.C. 9—74693, 9—79566
Barriol, J. *see* Diguet, R. 9—78642
Barriol, J. *see* Roussy, G. 9—90864
Barron, C. *see* Olson, T. 9—50465
Barron, L.D. Optical activity as a mixed parity phenomenon 9—86011
Barron, R.M. *see* Chandna, O.P. 9—50809
Barron, T.H.K. A note on Anderson-Gruneisen functions 9—55855
Barron, W. *see* Bakshi, P. 9—53683
Barros, H.G.P.Lins de *see* Lins de Barros, H.G.P.

Barroso, A., Rej, A.K. Exchange current effects in the reaction $^3He(\gamma,\pi^+)^3H$ 9—71839
Barroso, A., Tadic, D. Empirical parity-violating potentials and neutron optical activity 9—59074
Barrow, R.F. *see* Verges, J. 9—59504
Barry, B.J. Flow measurement by the dilution method with incomplete mixing 9—50821
Barry, D.C. A possible RS Canum Venaticorum system in the Coma star cluster 9—67020
Barry, J.F. *see* Bonsor, D.H. 9—51013
Barry, J.J. *see* Greene, G.A. 9—49757
Barry, J.M., Pollard, J.P. Application of the method of implicit non-stationary iteration (MINI) to 3D neutron diffusion problems 9—63712
Barry, T.I. *see* Allinson, D.L. 9—65523
Bars, I., MacDowell, S.W. A spin-3/2 theory of gravitation 9—49148
Barsa, J.M. *see* Szechter, A. 9—66493
Barsch, G.R. *see* Achar, B.N.N. 9—51212, 9—65155, 9—73241
Barschall, H.H. *see* Grimes, S.M. 9—67750
Barschall, H.H. *see* Haight, R.C. 9—93831
Barshay, S., Geris, J. A new test of CP noninvariance in nonleptonic decay of mesons containing one bottom quark 9—71654
Barshay, S., Van Proeyen, A. How to study a gluon jet produced by antiproton-proton colliding beams 9—63554
Barsotti, E., Appel, J.A., Haldeman, M., Hance, R., Haynes, B., Maenpaa, J., Nash, T., Soszynski, T., Treptow, K., Bracker, S. A modular trigger processing system for high energy physics experiments 9—49919
Barsoum, R.S., Loomis, R.W., Stewart, B.D. Analysis of through cracks in cylindrical shells by the quarter-point elements 9—72856
Barsov, S.G., Getalov, A.L., Gordeev, V.A., Konopleva, R.F., Kruglov, S.P., Kudinov, V.I., Kuzmin, L.A., Mikirtich'yants, S.M., Minaichev, E.V., Myasishcheva, G.G., Obukhov, Yu.V., Savel'ev, G.I., Firsov, V.G., Shcherbakov, G.V. Depolarization of positive muons in weakly doped silicon single crystals 9—87370
Barstad, G. Neutron weapons 9—81091
Barsukov, L.I. *see* Chupriyanova, N.Ye. 9—92162
Barsukov, L.I. *see* Koreneva, L.G. 9—79478
Barsukov, L.I. *see* Shapiro, Yu.Ye. 9—79481
Bart, K. *see* Aleksandrov, E. 9—93166
Bart, S. *see* Marlow, D. 9—85564
Barta, B. *see* Dorazil, E. 9—96023
Barta, C., Limonov, M.F., Markov, Yu.F. Infrared reflectivity spectra of Hg_2Cl_2 single crystals 9—99889
Barta, C., Zadokhin, B.S., Kaplyanskii, A.A., Malkin, B.Z., Markov, Yu.F., Morozova, O.V., Savchenko, B.A. Thermal expansion and ferroelastic $D^{17}_{4h} \rightarrow D^{17}_{2h}$ phase transition in Hg_2Cl_2 crystals 9—99337
Barta, C. *see* Zadokhin, B.S. 9—73948
Barta, G. A possible change of the gravity field of non-tidal character 9—92463
Barta, J. Survey of some variational theorems in elastostatics 9—88807
Barta, K. *see* Prouza, Z. 9—68113
Barta, S., Durny, R., Nagy, P. The quantum mechanical correction of the quasiclassical density of states of a particle in a Gaussian random potential 9—63132
Bartashevich, Z., Matulenis, A., Shimulite, E. Conductance of n-$Al_xGa_{1-x}As$ epitaxial films 9—56337
Bartashevskii, E.L. *see* Akhmetshin, A.M. 9—52576
Bartashevskii, E.L. *see* Akmetshin, A.M. 9—70281
Bartczak, W.M. A model for the relaxation of nonpolar glassy matrices—the decay time of trapped electrons as a function of preirradiation annealing time 9—66323
Bartczak, W.M., Hilczer, M., Kroh, J. A new model of the hydrated electron. Statistical distribution of trapped electron energies 9—66395
Bartecki, A., Sowinska, M. Charge-transfer spectra of gallium (III) and indium (III) halogenides 9—76441
Bartecki, A. *see* Apostoluk, W. 9—91204
Bartel, W., Berberich, W. Qualification of a pressure quartz as a deep sea gauge 9—74980
Bartelink, D.J. *see* Johnson, N.M. 9—95361
Bartell, L.S. Bond lengths of vibrationally hot AX_n molecules. A simple treatment 9—68202
Bartell, L.S. Images of gas molecules by electron holography. I. Theory 9—68366
Bartell, L.S., Doun, S.K., Goates, S.R. Inference of vibrational anharmonicity in hot SF_6: an electron diffraction study 9—68316
Bartell, L.S., Gignac, W.J. Images of gas molecules by electron holography. II. Experiment and comparison with theory 9—68367
Bartell, L.S. *see* Kacner, M.A. 9—85951
Bartell, T. *see* Friedman, R.B. 9—57816
Bartelloni, M. *see* Longinelli, A. 9—79992
Bartelmus, G. *see* Burghardt, A. 9—68796
Bartels, A., Dworschak, F., Meurer, H.-P., Abromeit, C., Wollenberger, H. Be segregation in electron irradiated dilute Cu/Be alloys 9—77637
Bartels, C. *see* van Egmond, N.D. 9—70825
Bartels, G., Mateika, D., Robertson, J.M. Preparation of barium lead hexa-aluminate single crystal layers by the liquid phase epitaxy technique 9—100064
Bartels, J. High-energy behaviour in a non-Abelian gauge theory. I. $T_{n\to m}$ in the leading ln s approximation 9—49374
Bartels, R.A., Koo, J.C., Thomas, M.L. The temperature and pressure dependence of the dielectric constants of CaO and SrO 9—65789
Bartels, W., Gundermann, S. Evaluation of charge carrier density profiles by means of microwave resonators 9—86608
Bartelt, H. *see* Fercher, A.F. 9—89852
Bartelt, H.O. Image correlation in white light by wavelength multiplexing 9—55072
Bartelt, H.O., Case, S.K., Lohmann, A.W. Visualization of light propagation 9—81391
Bartenev, G.M. *see* Kartashov, E.M. 9—55327, 9—64593
Bartenev, G.M. *see* Trushkov, A.I. 9—61615
Bartenev, S.S., Navrozov, S.V. Some technical characteristics of plasma-deposited ZrO_2 9—52125
Barteneva, O.A. Information capacity of amateur cameras 9—49316
Barteneva, O.A. Information losses in a photographic image reproduction system 9—71558
Barteneva, O.A. Light scattering coefficient of amateur cameras 9—71559
Bartenew, G.M., Sinitschkina, J.A. Common features in the viscoelastic and fracture behaviour of polymers in a highly elastic state 9—57105
Barth, C.A. *see* Conway, R.R. 9—101101
Barth, C.A. *see* Wehrbein, W.M. 9—66952
Barth, E., Helwig, J., Maier, H.-D., Muser, H.E., Petersson, J. Specific heat of the two dimensional antiferroelectric squaric acid 9—91389
Barth, J. The energy situation in Switzerland 9—89491
Barth, M. *see* Givernaud, A. 9—75801
Barth, W. *see* Thierbach, H. 9—88511
Barthel, J. Investigations of the purification of technical gibbsite 9—100091
Barthelat, J.-C. *see* Serafini, A. 9—76335
Barthels, H. Pressure drop in packed beds of cylindrical bodies 9—72945
Barthes, M.-G., Rhead, G. Measurement of the surface self-diffusion of a metal near ambient temperature 9—51397
Barthes, M.-G., Rhead, G.E. Adsorption of lead on gold (320) and (311) surfaces 9—86998
Barthes, V., Vasseur, G. An inverse problem for electromagnetic prospection 9—53583
Barthold, W.P., Beitel, J.C. Performance characteristics of homogeneous versus heterogeneous liquid-metal fast breeder reactors 9—59123
Barthold, W.P. *see* Orechwa, Y. 9—85655
Barthold, W.P. *see* Turski, R.B. 9—59175
Bartholdi, J. Introduction of 'nuclear long distance energy'. Environmental consequences and their evaluation 9—70468
Bartholic, J.F. *see* Bill, R.G., Jr. 9—88400
Bartholin, H., Florence, D., Vogt, O. Magnetic phase diagrams of $Ce_x(La_{0.76}Y_{0.24})_{1-x}Sb$ compounds 9—65673
Bartholin, H., Vogt, O. Magnetic phase diagrams of $Ce_x(La_{0.76}Y_{0.24})_{1-x}Bi$ compounds 9—56535
Bartholomew, C.H., Anderson, J.H., Jr., Boudart, M. Magnetic properties of supported platinum-iron alloys 9—91257
Bartholomew, G.A., Lee-Whiting, G.E. Magnetic pair and Compton spectrometers 9—68130
Barthruff, D., Benz, K.W., Antypas, G.A. Photoluminescence characterization of solution and LEC grown InP 9—87575
Bartick, P. *see* Kohen, E. 9—53073
Bartine, D.E. *see* Alsmiller, R.G., Jr. 9—81061
Bartiromo, R. *see* Ascoli-Bartoli, U. 9—60170
Bartis, F.J. The transitional plasticity of ammonium chloride 9—77674
Bartke, T.C., Virgona, J.E. Preliminary results of the third underground coal gasification experiment at Hanna, Wyoming 9—87949
Bartke, T.C. *see* Duvall, J.J. 9—87954
Bartkowski, K., Wlosewicz, D., Rafalowicz, J. Lorenz function and horizontal and vertical component of thermal resistivity of tin monocrystals 9—65427
Bartkus, S.I. *see* Drizius, M.-R. 9—94610
Bartl, A., Fraas, H., Majerotto, W. Diffractive A_1 production by neutrinos 9—89143
Bartl, J., Matev, M., Heinze, B. Magnetohydrodynamics energy conversion 9—87996
Bartl, W. *see* Fidecaro, G. 9—85343
Bartle, K.D., Butcher, P.G., Harding, G.J., Roberts, D.R. A student experiment for measuring rate constants of radical recombination 9—48996
Bartlett, B.E., Capper, P., Harris, J.E., Quelch, M.J.T. The effects of growth speed on the compositional variations in crystals of cadmium mercury telluride 9—55684
Bartlett, B.E., Capper, P., Harris, J.E., Quelch, M.J.T. A study of casting in the $Cd_xHg_{1-x}Te$ system 9—91578
Bartlett, D.F., Shepard, J., Zafiratos, C., Ward, B.F.L. New limit on independence of charge and velocity 9—97549
Bartlett, D.T., Brown, J.K. Irradiation effects in D-mannose as studied by electron spin resonance spectroscopy 9—73814
Bartlett, D.V., Costley, A.E. Diagnosis of the JET plasma using electron cyclotron emission 9—98991
Bartlett, J.F., Biel, J.R., Curtis, D.B., Dosen, R.J., Lagerlund, T.D., Ritchie, D.J., Taff, L.M. RT/RSX MULTI: packages for data acquisition and analysis in high-energy physics 9—89535
Bartlett, J.F. *see* Barish, B.C. 9—63536
Bartlett, J.F. *see* Brown, K.W. 9—80855
Bartlett, J.F. *see* Dishaw, J.P. 9—85473
Bartlett, K.G., She, C.Y. Single-particle correlation techniques for remote measurement of wind speed: aerosol condition and measurement rate 9—62609
Bartlett, M.W. *see* Stinson, R.H. 9—62408
Bartlett, R.J., Shavitt, I., Purvis, G.D., III The quartic force field of H_2O determined by many-body methods that include quadrupole excitation effects 9—85921
Bartlett, R.J. *see* Overton, W.C., Jr. 9—56480
Bartlett, R.J. *see* Purvis, G.D., III 9—89621
Bartlett, R.J. *see* Thompson, J.D. 9—56455
Bartley, J.H. *see* Angelini, C. 9—67548
Bartlit, J.R., Sherman, R.H., Stutz, R.A., Denton, W.H. Hydrogen isotope distillation for fusion power reactors 9—93833
Bartlit, J.R. *see* Anderson, J.L. 9—85783
Bartning, A.M. *see* Kendall, D.L. 9—55758
Bartocci, V. *see* Marassi, R. 9—57244
Bartoe, J.-D.F., Brueckner, G.E., Nicolas, K.R., Sandlin, G.D., VanHoosier, M.E., Jordan, C. H_2 emission in the solar atmosphere 9—53794
Bartoe, J.-D.F. *see* Basri, G.S. 9—75169
Bartoe, J.-D.F. *see* Jordan, C. 9—53795
Bartoe, J.-D.F. *see* Longmire, M.S. 9—70902
Bartolac, T. *see* Bozler, H.M. 9—51370
Bartolac, T.J. *see* Bozler, H.M. 9—60581
Bartoli, F.J. *see* Esterowitz, L. 9—95836
Bartolini, C., Guarnieri, A., Piccioni, A., Giangrande, A., Giovanelli, F. A0535+26=HDE 245770 9—67024
Bartolini, P. Experimental behaviour of the free surface in a uniform laminar stream 9—98678
Bartolini, R.A. *see* Bell, A.E. 9—50382
Bartolome, J. *see* Gonzalez, D. 9—61152
Barton, B.D. *see* Kelley, D.F. 9—91926
Barton, C.E., McElhinny, M.W. Detrital remanent magnetisation in five slowly redeposited long cores of sediment 9—70786
Barton, D. Expansion in power series by computer 9—84679
Barton, D.L. *see* Olsen, L.C. 9—66007
Barton, D.S. *see* Cutts, D. 9—85346
Barton, G. The interaction of an atom with electromagnetic vacuum fluctuations in the presence of a pair of perfectly conducting plates [comment on paper by Ford (1978)] 9—72278
Barton, G. Some surface effects in the hydrodynamic model of metals 9—78148
Barton, H.R., Jr. *see* Ahlman, R.S. 9—67991, 9—72012
Barton, I.J. A parameterization of the evaporation from nonsaturated surfaces 9—53372
Barton, J. *see* DeVolpi, A. 9—49776
Barton, J.P. Neutron radiography in industrial analysis 9—52609
Barton, J.P. *see* Jackson, C.N., Jr. 9—96255
Barton, J.R., Phillips, B.A., Allen, D.A. Steam in RX Puppis 9—67032
Barton, R.J. *see* Kos, J.F. 9—99526
Barton, S.S., Gillespie, D.J., Harrison, B.H., Kemp, W. The structure of acidic surface oxides on carbon and graphite. II 9—52404
Barton, W.A., Cashion, J.D. Electric-field gradients in ionic gadolinium compounds 9—91004
Bartosik, M., Kolacinski, Z. An experimental vacuum chamber for arc investigations 9—82120
Bartoszek, F.E., Brown, R.D.H., Polanyi, J.C. Chemiluminescence-depletion of vibrational relaxation. II. $HCl(v=2\text{-}4)+CO_2$ 9—72400
Bartov, A.V. *see* Babykin, M.V. 9—68945
Bartram, C.I., James, W.B. The double contrast meal—new high density barium sulphate powders [comment and reply] 9—74745
Bartram, R.H. *see* Bent, G.D. 9—95363
Barts, E.W. *see* Apperson, C.E., Jr. 9—49774
Bartsch, A.F. *see* Gakstatter, J.H. 9—88015
Bartsch, P. *see* Fiore, G.D. 9—76252
Bartsch, R.R. *see* Commisso, R.J. 9—82088
Bartscher, W., Baumann, S. Effect of americium on plutonium determination 9—52826
Bartscher, W., Kutter, H. Determination of the total hydrogen content in nuclear oxide fuels 9—49809
Bartunik, H.D., Kaindl, G. Mossbauer isomer shifts in chemical systems of gold 9—87356
Bartuska, P. The influence of plastic deformation on structure transformations in Al-Zn alloys at elevated temperatures 9—79044
Bartynski, R. *see* Craighead, H.G. 9—52037
Barua, A.K. *see* Bhanja, S. 9—94764

Barua, B.P., Sinha, S.K. Instability in one-dimensional systems 9—99536
Barua, B.P. *see* Chakrabarti, B.K. 9—99712
Barua, K. *see* Chutia, J. 9—51686
Baruch, J.E.F., Brooke, G., Kellerman, E.W., Bateman, J.E., Connolly, J.F. A gas proportional scintillation counter for use in large area detector systems without photomultipliers 9—59302
Baruch, M. Selective optimal orthogonalization of measured modes 9—92938
Baruchel, J. *see* Marmeggi, J.C. 9—51806
Barut, A.O. Space-like states in relativistic quantum theory 9—58886
Barut, A.O. Electrodynamics with strings and monopoles 9—58916
Barut, A.O. Lepton mass formula 9—58995
Barut, A.O. The theorem of charge quantization 9—63390
Barut, A.O., Crawford, J.P. Renormalizable field theories with multiple fermionic excitations 9—49428
Barut, A.O., Raczka, R. Two-fermion equation with form-factors and electromagnetic high mass resonances 9—93322
Barve, K.M. *see* Gupta, R.K. 9—74536
Barvinskii, A.O., Ponomarev, V.N. Global effects of the production of scalar matter in quantum cosmology 9—92903
Barwinkel, K., Schmidt, H.J. Numerical analysis of normal reflectance data as applied to the study of oxide films on copper 9—99457
Barwinski, B. *see* Sendecki, S. 9—91561
Bar'yakhtar, I.V., Ivanov, B.A. On nonlinear waves of magnetization in antiferromagnets 9—91251
Bar'yakhtar, V.G., Borodin, V.A., Doroshev, V.D., Kovtun, N.M., Levitin, R.Z., Stefanovskii, E.P. Magnetization curves of cubic ferromagnets and ferrimagnets from the point of view of spin-reorientational phase transitions 9—82785
Bar'yakhtar, V.G., Chepurnykh, G.K. Effect of magnetostriction on the nature of reorientation phase transitions in uniaxial antiferromagnets 9—69674
Bar'yakhtar, V.G., Gann, V.V., Druinskii, E.I., Zhukov, A.I., Klepikov, V.F. Theory of slowing down of dislocations in antiferromagnets 9—95584
Bar'yakhtar, V.G., Gerasimchuk, V.S., Gorobets, Yu.I., Klepikov, V.F. Domain structure of antiferromagnets in a high-frequency magnetic field 9—65694
Bar'yakhtar, V.G., Karnachev, A.S., Kovtun, N.M., Soboleva, T.K., Solov'ev, E.E., Stefanovskii, E.P. Frequency and relaxation of the NMR signal of ^{57}Fe near a Morin spin-reorientation first-order phase transition in rare-earth orthoferrites 9—69744
Bar'yakhtar, V.G., Vitebskii, I.M., Yablonskii, D.A. Magnetic resonance symmetry and frequencies in magnetically ordered crystals 9—61197
Barybin, A.A. Waveguide properties of thin semiconductor films 9—56338
Barybin, A.A., Galeeva, L.Kh. Thermodynamic calculations for the system Ga-As-Sn-Cl-H-Ar 9—86903
Barybin, A.A., Galeeva, L.Kh. Analysis of the conditions of chemical deposition of Sn from the gas phase onto a GaAs surface 9—87584
Barycka, I., Teterycz, H., Znamirowski, Z. Sodium hydroxide solution shows selective etching of boron-doped silicon 9—70189
Barykin, B.M., Gordon, V.G., Reznikova, E.D., Spiridonov, E.G. Effect of preoxidation of chromium on the properties of the cermet 60% $YCrO_3$-40% Cr 9—87603
Barykinskii, G.M. *see* Lebedev, V.V. 9—64282
Barynin, V.V. *see* Melik-Adamyan, V.R. 9—66444
Barynin, V.V. *see* Sochava, I.V. 9—70526
Baryshev, N.S. *see* Belyi, N.N. 9—78136
Baryshev, V.I., Dekabrun, L.L., Kil'yanov, Yu.N., Kuznetsov, A.A., Poletayev, A.S., Chelyshev, V.I. Stationary precision proton magnetometer 9—53535
Baryshev, Yu.V., Leont'yev, A.I., Peyker, N.K. Heat transfer in turbulent boundary layers on a porous plate and in the region of a gas cooling film 9—98714
Baryshevskii, V.G. Theory of measuring duration of nuclear reactions by the shadow effect 9—93572
Baryshnikov, A.I. *see* Gyarmati, B. 9—85469
Baryshnikov, G.A. Determination of initial parameters for a self-modelling discharge of compressible fluid 9—77026
Baryshnikov, G.A. Unsteady movement of gas expelled by piston from channel with variable straight-through cross section 9—77162
Barzykin, V.V. *see* Ermakov, V.I. 9—100371
Bas, E.B. *see* Klauser, S.J. 9—80719
Bas, M.J.Le *see* Le Bas, M.J.
Basandra, M.L. *see* Mandal, G.S. 9—96793
Basanov, V.B. *see* Bazarov, V.D. 9—86281
Basanskii, E.G. *see* Kudryashov, N.A. 9—81964
Basar, E., Gonder, A., Rona, M., Ungan, P. Resonance phenomena in the electrical activity of the brain 9—74627
Basarab-Horwarth, P., Streater, R.F., Wright, J. Lorentz covariance and kinetic charge 9—93302
Basargin, Yu.G., Belyakov, V.A., Glukhikh, V.A., Gusev, O.A., Korolev, L.E., Litunovsky, R.N., Malishev, I.F., Minyaev, O.A., Stepanov, A.V., Fedorov, A.S., Linev, A.F., Malofeev, A.I., Nemets, O.F., Ol'khovsky, K.J., Pashin, V.A. Status of the Kiev 240-cm cyclotron facility 9—54628
Basargin, Yu.G., Vasil'ev, V.I., Litunovsky, R.N. The beam bunch effects in the circular isochronous cyclotron 9—54716
Basavaiah, S., Murakami, M., Kircher, C.J. Strain relaxation effects in Pb-alloy Josephson tunnel junctions 9—65617
Basavaraju, G., Kane, P.P., Varier, K.M. Elastic scattering of 1.17 and 1.33 MeV gamma rays by molybdenum, tantalum and lead 9—75973
Basavaraju, G. *see* Gambhir, Y.K. 9—80885
Basavaraju, S.P., Devaraj, N. Chlorine NQR in 4-chloro-2-nitrobenzoic acid 9—50044
Basbas, G. *see* McGuire, J.H. 9—86058
Basch, E.E., Beaudette, R.A., Carnes, H.A. Fibre optics in telephone carrier systems 9—81528
Basch, H., Topiol, S. Relativistic effects in ab initio effective core potential studies of heavy metal compounds. Application to $HgCl_2$, AuCl, and PtH 9—93933
Basch, H. *see* Cohen, D. 9—93919
Basco, N. *see* Adachi, H. 9—70305, 9—83470
Basedow, A.M., Ebert, K.H. Effects of mechanical stress on the reactivity of polymers: activation of acid hydrolysis of dextran by ultrasound 9—74375
Baselyan, L.L. *see* Abranin, E.P. 9—75195
Baseyan, G.Z., Matinyan, S.G., Savvidi, G.K. Nonlinear plane waves in massless Yang-Mills theory 9—71641
Basham, C.L., Brown, L.S., Ellis, S.D., Love, S.T. Energy correlations in electron-positron annihilation in quantum chromodynamics: asymptotically free perturbation theory 9—63497
Basham, C.L., Brown, L.S., Ellis, S.D., Love, S.T. Energy correlations in perturbative quantum chromodynamics: a conjecture for all orders 9—85310
Basham, C.L., Love, S.T. Energy correlations in electron-positron annihilation: sensitivity of quantum-chromodynamics tests to gluon spin 9—89113
Basharov, A.M. *see* Alekseev, A.I. 9—98027
Basharova, V.N., Serebryakov, V.V. Calculation of the axisymmetric cavitational flow of a vertical stream of liquid around a body 9—90297
Bashenov, V.K., Doicho, I.K., Petukhov, A.G. Localized electron states associated with a transition-metal impurity in semiconductors 9—56164
Bashenov, V.K., Doicho, I.K., Petukhov, A.G. Selection between various local pseudopotentials for silicon 9—82514
Bashenov, V.K. *see* Altshul, V.Ya. 9—51188
Bashenov, V.K. *see* Petukhov, A.G. 9—90939
Bashev, V.F. *see* Tkach, V.I. 9—91636
Bashford, C.C. *see* Griffiths, J.W. 9—70658
Bashilov, V.A. *see* Aivazov, M.I. 9—86937
Bashilov, V.A. *see* Ajvazov, M.I. 9—82749
Bashilov, V.A. *see* Bagdonas, A.V. 9—55573
Bashkatov, A.N. *see* Klyueva, I.B. 9—66174
Bashkin, A.S., Konoshenko, A.F., Oraevskii, A.N., Pshezhetskii, S.Ya., Tomashov, V.N., Chebotarev, N.F., Yuryshev, N.N. Investigation of the energy parameters of a chemical ClF-H_2 laser with electron-beam initiation 9—89903
Bashkin, A.S., Kupriyanov, N.L., Oraevskii, A.N. Utilization of excited atoms in thermally initiated chemical lasers in the visible range 9—89898
Bashkin, A.S., Kupriyanov, N.L., Oraevskii, A.N. Chain-reaction chemical lasers for the visible range 9—89899
Bashkin, A.S., Velikanov, A.G., Gorshunov, N.M., Kunin, Yu.A., Neshchimenko, Yu.P., Oraevskii, A.N., Yuryshev, N.N. Gain measurement in a supersonic jet utilizing a D+O_3+CO_2 mixture 9—89902
Bashkin, E.P. Magnetic ordering temperature in a Fermi liquid close to a phase transition 9—78427
Bashkin, E.P., Meierovich, A.E. Propagation of transverse zero-sound in He^3 and of spin waves in He^3-He II solutions 9—95240
Bashkin, I.O., Ponyatovskii, E.G., Kost, M.E. On the possibility of hydrogen ordering in rare-earth hydrides 9—52174
Bashkin, S. *see* Jelley, N.A. 9—89637
Bashkin, S. *see* Trabert, E. 9—59545
Bashkirov, L.A. *see* Pan'kov, V.V. 9—83159, 9—87834
Bashkirov, Sh.Sh., Aminov, T.G., Andreev, O.N., Liberman, A.B., Manenkova, L.R., Sinyavskii, V.I. The cationic distribution and the Curie temperature of manganese-zinc ferrites 9—91232
Bashkirov, Sh.Sh., Belyanin, A.L., Sadykov, E.K. The scattering of γ-rays in the regime of double resonance 9—78593
Bashkirov, Sh.Sh., Lebedev, V.N. Isomer shift and quadrupolar splitting of the Mossbauer spectrum of ferroelectrics 9—56648
Bashkirov, Sh.Sh., Lebedev, V.N. Polarization of the Fe^{3+} ion 4s shell by an electric field, and Mossbauer spectrum parameters of a ferroelectric 9—95698
Bashkirov, Sh.Sh., Sadykov, E.K. Theory of γ-ray scattering under double gamma resonance conditions 9—73873
Bashkov, B.I., Gusev, A.V. Elastic body in the general relativistic Rayner model 9—92671
Bashkov, V.I., Matveev, G.G. The exact nonstatical solutions of the Einstein equations for a spherical-symmetrical elastic body 9—88854
Bashmakov, Yu.A. *see* Alferov, D.F. 9—55042, 9—55043, 9—72174
Bashshur, R.L. *see* Lovett, J.E. 9—74784
Bashta, V.V. *see* Lebedev, A.A. 9—91764
Bashter, A.I. *see* Archer-Hall, J.A. 9—86275
Bashtovoi, B.G., Pavlinov, M.I. Convective stability of a layer of magnetizable liquid with solid boundaries 9—94592
Bashtovoi, V.G. Surface stability of a magnetized liquid covered with a thin elastic film 9—94727
Bashtovoi, V.G., Krakov, M.S. Stability of flow of a thin layer of viscous magnetic liquid 9—64782
Bashtovoi, V.G., Krakov, M.S. Surface instability of nonisothermal layers of a magnetizable liquid 9—77272
Bashtovoi, V.G., Vislovich, A.N., Kashevskii, B.E. Microconvective heat- and mass-transfer processes in fluids with internal rotation 9—86435
Bashtovoi, V.G. *see* Arkhipenko, V.I. 9—76544
Basia, D.F., Gavrilko, T.A., Panchenko, V.F., Puchkovskaja, G.A., Chesnokov, E.D. Spectroscopic and dielectric investigations of phase transitions and dynamics of cetyliodide molecules in condensed state 9—51965
Basiev, T.T., Voron'ko, Yu.K., Mirov, S.B., Prokhorov, A.M. Frequency selection of Nd^{3+} ions in glass under monochromatic laser excitation at the resonant transition $^4I_{9/2}$→$^4F_{3/2}$ 9—78747
Basile, L.J. *see* Ferraro, J.R. 9—93157
Basile, M., Cara Romeo, G., Cifarelli, L., Contin, A., D'Ali, G., Giusti, P., Massam, T., Palmonari, F., Sartorelli, G., Valenti, G., Zichichi, A. A large-area modular electromagnetic shower detector for the CERN intersecting storage rings 9—76275
Basil'eva, I.E. *see* Umerenkova, N.A. 9—52536
Basilevsky, M.V., Ryaboy, V.M. Quantum investigation of linear triatomic exchange reactions. A computational method 9—91922
Basilevsky, M.V., Ryaboy, V.M. Dynamics of linear exchange reactions. Quasi-classical model of high-energy vibrational inversion 9—91923
Basilevsky, M.V., Ryaboy, V.M. Exact solution for the quasi-classical model of vibrational population inversion in exothermal exchange reactions 9—91924
Basili, P. *see* Ciotti, P. 9—92567
Basilova, R.N., Kalinkin, L.F., Kogan-Laskina, E.I., Pugacheva, G.I., Savenko, I.A. Streams of particles with Z≥2, measured on the Kosmos 490 satellite 9—88522
Basilova, R.N., Kogan-Laskina, Ye.I., Pugacheva, G.I. Computation of the ionization losses of albedo particles in the upper layers of the atmosphere with allowance for the geomagnetic field 9—53621
Basin, V.E. The present-day views on the nature of adhesional strength 9—52619
Basina, Yu.V. *see* Somogy, A. 9—80173
Basinger, S.F., Gordon, W.C., Lam, D.M.K. Differential labelling of retinal neurones by ^{3}H-2-deoxyglucose 9—92447
Basinska-Grzesik, E. Extragalactic X-ray sources 9—101223
Baskakov, A.P., Filippovskii, N.F., Sokolov, A.V., Panov, O.M., Zharkov, A.A. A study of the possibilities of controlling the hydrodynamics of a fluidized bed to intensify external heat exchange 9—86508
Baskakov, V.A. *see* Chernomordik, L.V. 9—92161
Baskerville, I. *see* Percy, J.R. 9—88657
Baskes, M.I., Bisson, C.L., Wilson, W.D. Calculations of the trapping and migration of vacancies and nickel self-interstitials in the presence of rare gases and dislocations 9—77834
Baskes, M.I. *see* Emin, D. 9—56690
Baskett, R.E.J., Foord, S.G. Optical fibre cables 9—55206
Baskin, E.M., Magarill, L.I., Entin, M.V. Photogalvanic effect in noncentrosymmetric crystals 9—69554
Baskov, A.A., Miroshnichenko, Yu.V., Solov'ev, V.Ya., Kuznetsov, E.V. Method of determining low electrical resistances of junction layer in bimetals 9—49249
Baskova, K.A. *see* Avchukhov, V.D. 9—75842
Baskova, K.A. *see* Avchukov, V.D. 9—75841
Basmadjian, D. *see* Baines, A.D. 9—83820
Basmajian, J.A. *see* Pitner, A.L. 9—93701
Bason, F. Solar energy use in Denmark (56°N) and higher latitudes in Scandinavia 9—62047

Basov, N.G., Boiko, V.A., Danilychev, V.A., Zvorykin, V.D., Lobanov, A.N., Kholin, I.V., Chugunov, A.Yu. Synchronization of electron-beam-controlled CO_2 lasers with a plasma mirror 9—89930

Basov, N.G., Bychenkov, V.Yu., Krokhin, O.N., Osipov, M.V., Rupasov, A.A., Silin, V.P., Sklizkov, G.V., Starodub, A.N., Tikhonchuk, V.T., Shikanov, A.S. Generation of the $2\omega_0$ harmonic in a laser plasma 9—86587

Basov, N.G., Zubarev, I.G., Kotov, A.V., Mikhailov, S.I., Smirnov, M.G. Small-signal wavefront reversal in nonthreshold reflection from a Brillouin mirror 9—94298

Basov, N.G., Zuev, V.S., Katulin, V.A., Lyubchenko, A.Yu., Nosach, V.Yu., Petrov, A.L. Investigation of the physical parameters of an iodine amplifier pumped by open high-current discharge radiation 9—89904

Basov, Yu.G., Boldyrev, S.A., Tsibizov, V.D. Conductivity of a high-power pulsed xenon discharge in a quartz chamber 9—55605

Basri, G.S., Linsky, J.L., Bartoe, J.-D.F., Brueckner, G., Van Hoosier, M.E. Lyman-alpha rocket spectra and models of the quiet and active solar chromosphere based on partial redistribution diagnostics 9—75169

Bass, A.M., Ledford, A.E., Jr. Ultraviolet photoabsorption cross-sections of CF_2Cl_2 and $CFCl_3$ as a function of temperature 9—52729

Bass, F.G., Oleinik, I.N. Magnetomagnon resonance in ferrimagnetic semiconductors 9—69663

Bass, F.G., Oleinik, I.N. Cyclotron-magnon resonance in ferrimagnetic semiconductors 9—69725

Bass, F.G., Tetervov, A.P. On the theory of generation, amplification and damping of waves in nonlinear media 9—75361

Bass, F.G. *see* Bakanas, R.K. 9—56615

Bass, H.E. *see* Brown, J.C. 9—57213

Bass, H.E. *see* Sutherland, L.C. 9—98524

Bass, J., Fletcher, R., Opsal, J.L., Thaler, B.J. Measurement of electron-phonon mass enhancement in thermoelectricity 9—65452

Bass, J. *see* Lee, C.W. 9—65456

Bass, J. *see* Opsal, J.L. 9—60803

Bass, J. *see* Pratt, W.P., Jr. 9—69500

Bass, J. *see* Ribot, J.H.J.M. 9—69488

Bass, L. *see* Bracken, A.J. 9—96503

Bass, M., Copley, S., Beck, D.G., Wallace, R.J. Laser assisted hot spot machining 9—70199

Bass, M. *see* Allen, S.D. 9—64311, 9—78897

Bass, M. *see* Copley, S.M. 9—69919

Bass, M. *see* Narasimhan, S.L. 9—78953

Bass, M. *see* Simhony, M. 9—54187, 9—61305

Bass, N.H. *see* Johnson, R.N. 9—88111

Bass, N.H. *see* Maffeo, C.J. 9—96599

Bass, P. *see* Engstrom, E.R., Jr. 9—92207

Bass, R., Idzko, J., Pelz, H., Stelzer, K., Weber, T., Weniger, R. Symmetrical four-crystal Compton polarimeter for gamma rays: design and application 9—76317

Bass, R. *see* Barnett, R.N. 9—73389

Bass, V.P. Calculation of flow of highly attenuated gas around a body, taking into account interactions with the surface 9—90285

Bass, W. *see* Johns, O.T. 9—57799

Bassali, W.A., Atta, T.I. Clamped regular curvilinear polygonal plates normally loaded over a concentric circle 9—72803

Bassalleck, B., Engelhardt, D., Furic, M., Klotz, W.D., Takeutchi, F., Ullrich, H. Results from an extensive study of the $(\pi^-, 2n)$ reaction 9—85496

Bassalleck, B., Engelhardt, H.-D., Klotz, W.D., Takeutchi, F., Ullrich, H., Furic, M. Single-neutron emission induced by stopped π^- in 1p shell nuclei 9—59089

Bassalleck, B., Haase, E.L., Klotz, W.-D., Takeutchi, F., Ullrich, H., Furic, M., Sakamoto, Y. Two-neutron emission in the absorption of stopped pions on lithium isotopes 9—67780

Bassalleck, B., Hasinoff, M.D., Salomon, M. Test results from a position-sensitive NaI detector 9—76288

Bassalleck, B. *see* Gyles, W. 9—85534

Bassalleck, B. *see* Johnson, R.R. 9—71872, 9—97653

Bassalleck, B. *see* Mazzucato, E. 9—85525

Bassan, M. *see* Arecchi, F.T. 9—64366

Bassani, F. *see* Quattropani, A. 9—73439

Bassani, J.L., Erdogan, F. Stress intensity factors in bonded half planes containing inclined cracks and subjected to antiplane shear loading 9—50661

Bassanini, P. An application of Lax's estimates to the determination of critical crystal thickness in nonlinear laser optics 9—98440

Bassano, D.A., McAfee, J.G. Cellular radiation doses of labeled neutrophils and platelets 9—100749

Bassel, R.H., Haftel, M.I. $^3He+^6Li$ elastic scattering at 27 MeV 9—76009

Bassel, R.H., Haftel, M.I. The $^6Li(^3He,^3He)^6Li^*$ and $^6Li(^3He,^3H)^6Be$ reactions at 27 MeV 9—76010

Bassetti, M., Biagini, M.E., Boni, R., Cattoni, A., Chimenti, V., Guiducci, S., Martinelli, G., Preger, M.A., Sanelli, C., Serio, M., Tazzari, S., Tazzioli, F. A.L.A.—A 1.2 GeV high luminosity electron-positron storage ring: design study 9—72066

Bassetti, M., Cattoni, A., Dulach, B., Luccio, A., Preger, M.A., Serio, M., Tazzari, S., Tazzioli, F. Status report on the wiggler magnet for Adone 9—68081

Bassetto, A., Ciafaloni, M., Marchesini, G. Color singlet distributions and mass damping in perturbative QCD 9—63418

Bassetto, A., Lazzizzera, I. Nonscaling inclusive distributions and long-range correlations in jet-decay models 9—49552

Bassewitz, H.von *see* von Bassewitz, H.

Bassez, C. *see* Beny, J.M. 9—91940

Bassignani, S., Fenzi, A., Turchi, A. Health physics in the Novazza (Bergamo, Italy) uranium mine 9—74764

Bassim, M.N., Hay, D.R., Talerman, M. Postweld evaluation by acoustic emission 9—96252

Bassim, M.N. *see* Hamel, F. 9—86313

Bassim, M.N. *see* Penelon, A. 9—70147

Bassini, A., Premuda, F., Wassef, W.A. Factorized kernels and the DKPL solution to the third form of the neutron transport equation in a rectangular parallelepiped 9—80968

Bassini, M. *see* Biraben, F. 9—59416

Bassler, H. *see* Hofmann, J. 9—52006

Bassler, H. *see* Reimer, B. 9—51628

Basso, M.J. *see* Miller, P.R. 9—83676

Bassompierre, G. *see* Read, A.L. 9—49510

Basson, J.H., Ball, C.A.B. Threading dislocations in single-layer heteroepitaxial structures 9—65341

Basson, J.H., Booyens, H., Ball, C.A.B. The thermally enhanced diffusion of point defects near dislocations during device operation 9—90820

Basson, J.H., Booyens, H., Ball, C.A.B. The nucleation and generation of dislocation half-loops in III-V compounds 9—95009

Basson, W.D., van Staden, J.F. Turbidimetric determination of sulphate with a miniaturized manifold on a non-segmented high speed continuous flow system 9—70405

Bassous, E. *see* Barbarito, E. 9—73540

Basta, M. *see* Barbarito, E. 9—86076

Bastard, G. Interband magnetoabsorption and band structure of HgCdTe and HgMnTe mixed crystals 9—82959

Bastard, G., Lewiner, C. Indirect exchange interaction in parabolic symmetry-induced zero gap semiconductors 9—61094

Bastard, G., Rigaux, C., Couder, Y., Thome, H., Mycielski, A. Effect of exchange on the impurity magnetoabsorption in zero-gap $Hg_{1-k}Mn_kTe$ mixed crystals 9—91473

Bastasz, R. *see* Stulen, R.H. 9—90854

Basten, J.A.J. Antiferromagnetic ordering in $CoBr_2.6[xD_2O(1-x)H_2O]$ with x=0.48 9—61068

Basten, J.A.J., Frikkee, E. Neutron scattering study on the spin-flop system $CsMnBr_3.2D_2O$ 9—61109

Basten, J.A.J., Frikkee, E., de Jonge, W.J.M. Experimental test of the extended-scaling hypothesis in the spin-flop system $CsMnBr_3.2D_2O$ 9—51752

Basten, J.A.J., Frikkee, E., de Jonge, W.J.M. Experimental test of extended scaling in the spin-flop system $CsMnBr_3.2D_2O$ 9—73737

Bastia, S.N. *see* Rath, R.S. 9—94633

Bastiaans, G.J. *see* Fernandez, M.A. 9—71446

Bastian, F.L., Charles, J.A. Fracture resistance of some powder-forged steels 9—66155

Bastian, U. *see* Mundt, R. 9—71041

Bastide, G. *see* Grill, C. 9—78036

Bastide, J. *see* Candau, S.J. 9—70381

Bastide, J.-P., Loriers-Susse, C., Massat, H., Coqblin, B. Specific heat of cerium measured up to 20 kbar at 300K 9—95177

Bastide, J.-P., Loriers-Susse, C., Massat, H., Coqblin, B. Temperature coefficient of electrical resistance of cerium measured up to 15 kbar at 300K 9—95383

Bastie, P.M., Bornarel, J. γ-ray diffractometry: a technique to study twinned crystals and its application to KH_2PO_4 9—68987

Bastien, F. *see* Marode, E. 9—55588

Bastien, P., Landstreet, J.D. Polarization observations of the T Tauri stars RY Tauri, T Tauri and V866 Scorpii 9—53809

Bastien, P. *see* Poeckert, R. 9—75213

Bastin, G. *see* Foin, C. 9—85354

Bastin, H., Delchambre, M., Janssens, P. Application of the theory of linear equations with deviating arguments to the slowing down of neutrons 9—76047

Bastin, J.J., Jump, M.J. Safeguards systems alternatives for MOX fuel fabrication 9—89474

Bastum, V.N., Lukovina, O.V. Pulsation attachment for the TsDMU-30t test machine 9—52538

Bastun, V.N., Dmitrieva, E.A., Istomina, E.S., Nizhnik, S.B. Structural sensitivity of Bauschinger effect 9—52303

Bastuscheck, C.M., Buhrman, R.A., Sarma, B.K., Mast, D.B., Ketterson, J.B., Halperin, W.P. Carbon powder magnetization thermometry for very low temperatures 9—63219

Basu, A. Some boundary value problems in magneto-elastodynamics 9—49046

Basu, A., Ballantyne, J.M. Random fluctuations in first-order waveguide grating filters 9—94369

Basu, A.N. *see* Ghosh, S. 9—99276

Basu, B., Mandal, K.K. Boundary-layer growth in three dimensions with aligned magnetic field 9—64790

Basu, B. *see* Ara, G. 9—60178

Basu, B.K. *see* Roy, C.L. 9—91055

Basu, C., Goswami, K., Choudhuri, S., Choudhury, A. F centre formation efficiency in KCl crystals containing thermally produced lattice vacancies 9—82203

Basu, D. Selection effect in absorption line redshifts of QSOs 9—92885

Basu, D., Datta Majumdar, S. The master analytic function and the Lorentz group. III. Coupling of continuous representations of O(2,1) 9—49078

Basu, K., Balpande, S.K., Roy, D.L. Corrosion studies on type 316 stainless steel in phosphoric acid 9—79179

Basu, N. *see* Dhariwal, S.R. 9—79392

Basu, P. *see* Saha, H. 9—61990

Basu, P.K. Correct form of energy-balance equation for intervalley and intersubband scattering in semiconductors 9—73521

Basu, P.K. Lattice scattering mechanism in quantized inversion layers in silicon 9—78187

Basu, R. A computer study of the miscibility limits of Pd-Cu-Si 9—65198

Basu, R.S., Sengers, J.V. Viscosity of nitrogen near the critical point 9—77799

Basu, S., Banerjee, S.N. The effect of iodide on the inhibition of acid dissolution of iron by aniline and thiourea 9—79181

Basu, S., Zeller, C., Flanders, P.J., Fuerst, C.D., Johnson, W.D., Fischer, J.E. Synthesis and properties of lithium-graphite intercalation compounds 9—74108

Basu, S. *see* Guhathakurta, B.K. 9—84574

Basu, S.K. *see* Bhattachrya, S. 9—75845

Basu, S.P., Chakraborty, D. Simulation study of natural convection heat transfer in inclined air layers with application to solar energy collection 9—62056

Basu, T.K., Nargundkar, V.R., Cloth, P., Filges, D., Taczanowski, S. Neutron multiplication studies in beryllium for fusion reactor blankets 9—59255

Basu, T.K. *see* Arora, S.K. 9—84523

Basuev, A.G. Theorem on the minimal specific energy for classical systems 9—90364

Basuli, S. *see* Kunda, J.C. 9—64556

Basun, S.A. *see* Akimov, A.V. 9—95860

Basuray, A., Gupta, K.S. Effects of using an additional film on optical waveguide propagation in thin film slab waveguides 9—81543

Basuray, A., Sarkar, S.K., De, M. A new method for edge image analysis 9—72507

Basus, V.J. *see* Anet, F.A.L. 9—76448

Basutcu, M. *see* Borderie, B. 9—79352

Basztura, C., Jurkeiwicz, J. The zero-crossing analysis of a speech signal in the short-term method of automatic speaker identification 9—55272

Bataille, J. *see* Lance, M. 9—72925

Batal, H.A.El *see* El Batal, H.A.

Batalin, G.I. *see* Kazimirov, V.P. 9—66330, 9—73412, 9—77493

Batalin, G.I. *see* Shlapak, A.N. 9—95165

Batalin, I.A., Fradkin, E.S. Compensating functional and quantization of relativistic constrained systems 9—97527

Batalin, M.Yu. *see* Sekanov, Yu.P. 9—75538

Batalin, V.A., Kolomiets, A.A., Kondrat'ev, B.K., Kuibida, R.P. Ion source with pulsed gas emission 9—68109

Batallan, F., Bok, J., Rosenman, I., Simon, C., Furdin, G. The modulated electronic structure of the acceptor graphite intercalation compounds 9—95310

Batallan, F., Sommers, C. Band structure and Fermi surface of ferromagnetic gadolinium 9—77993

Batalov, V.S. *see* Perminov, A.N. 9—86327

Batalova, E.T. *see* Anrizheivskii, A.A. 9—68823

Batanov, G.M. *see* Askar'yan, G.A. 9—76548

Batarunas, I.V. *see* Yakimavichyus, I.A. 9—65032

Batashev, S.P., Bezlepko, E.V., Lebedev, O.L., Luk'yanets, E.A., Mekhryakova, N.G., Mizin, V.M., Petukhov, V.A. Passive Q switching of a neodymium-garnet laser at 1.3 μ 9—72610

Batavin, V.V., Zudkov, N.M., Kochin, R.N. Measurement of the thickness of thin polycrystalline silicon-silicon dioxide-single crystal silicon structures using infrared ellipsometry 9—56287

Batay-Csorba, P.A. *see* Alford, W.P. 9—63574, 9—75852

Batay-Csorba, P.A. *see* Anderson, R.E. 9—67733

Batca, A., Tomescu, M., Ciohodaru, L. Spectral characterization of compounds resulted from the inclusion of the molten salts in the intracrystalline canals of the NaA synthetic zeolite 9—74463

Batchelder, D.N. *see* Bloor, D. 9—73922

Batchelor, D.B. *see* Weitzner, H. 9—77397

Batchelor, K., Culwick, B.B., Goldstick, J., Sheehan, J., Smith, J. Distributed control system for the National Synchrotron Light Source 9—72086

Batchelor, R.A. *see* Gardner, F.F. 9—53719

Batchman, T.E. *see* Gates, K.B. 9—81567

Batdorf, S.B., Chang, D.J. On the relation between the fracture statistics of volume distributed and surface distributed cracks 9—50664

Bate, H., Grande, M.J. Blood viscometry: comparison of two instruments and two anticoagulants 9—83834

Bateman, G. *see* An, C.H. 9—90441

Bateman, J.E. Identification of relativistic charged particles by means of ionisation energy loss in proportional counters—a new approach 9—85863

Bateman, J.E., Connolly, J.F. Improving the spatial resolution of the multiple multiwire proportional chamber gamma camera 9—49361

Bateman, J.E. *see* Baruch, J.E.F. 9—59302

Batenin, V.M., Margolin, L.Ya., Pyatnitskii, L.N. An independent determination of electron and ion parameters of a low temperature plasma by the scattering of low power laser radiation 9—98975

Bates, A. *see* Rueger, L.J. 9—55099

Bates, A.R. *see* Jenkins, T.E. 9—51946

Bates, B.A. *see* Wallerstein, G. 9—62849

Bates, B.B., Rerych, S.K., Jones, R.H. Exercise techniques for radionuclide angiocardiography 9—57762

Bates, C.A., Maynard, C.M., Rampton, V.W., Shellard, I.J. The Cr^{2+}:CaO Jahn-Teller system 9—99756

Bates, C.A., Steggles, P., Vasson, A., Vasson, A.-M. Studies of $3d^4$ ions in Al_2O_3 by cross-relaxation 9—99755

Bates, C.A., Wardlaw, R.S. An analysis of EPR spectra from the Ni^{3+}:Al_2O_3 system 9—82863

Bates, C.J. Flowrate measurements using a LDA/computer combination 9—68881

Bates, C.W., Jr., Wertheim, G.K., Buchanan, D.N.E. Nature of the 3.8 eV plasmon in X-ray photoemission from silver 9—78838

Bates, C.W., Jr. *see* Wertheim, G.K. 9—69403

Bates, D.H. *see* Tomasetta, L.R. 9—59706

Bates, D.R. On the proposals of Chapman and of Barth for $O(^1S)$ formation in the upper atmosphere 9—62636

Bates, D.R. Dependence of the binary ionic recombination coefficient on the density of ambient gas at the low density limit 9—89740

Bates, F.E. *see* Eldridge, J.E. 9—60735

Bates, H.E., Alfano, R.R., Schiller, N. Picosecond pulse stacking in calcite 9—61330

Bates, J.B., Wang, J.C., Perkins, R.A. Mechanisms for hydrogen diffusion in TiO_2 9—73341

Bates, J.B. *see* Cathcart, J.V. 9—86927

Bates, J.B. *see* Engstrom, H. 9—73914, 9—78711

Bates, J.B. *see* Kaneda, T. 9—99364

Bates, J.K., Gruen, D.M. The electronic and vibrational absorption spectrum of tantalum nitride (TaN) isolated in an argon matrix 9—64014

Bates, J.K. *see* Kittel, J.H. 9—59245

Bates, R.G. *see* Culberson, C.H. 9—91986

Bath, G.T. A comparison of optical and X-ray novae 9—58350

Bath, G.T. The explosions of novae 9—67042

Bath, M. Seismic risk in Turkey—a preliminary approach 9—57878

Bath, M. Suspected periodicities of earthquakes in Sweden 9—66647

Bath, M. Some properties of earthquake-frequency distributions 9—66648

Bath, M. Deep-seated fracture zones in the Swedish crust 9—66666

Bath, M. An analysis of the time term method in refraction seismology 9—66838

Bath, M. Focal depth distribution of Swedish earthquakes 9—79756

Bath, M., Duda, S.J. Some aspects of global seismicity 9—53320

Bathe, K.-J. *see* Key, S.W. 9—50606

Bathellier, A., Guillaume, B., Moulin, J.P. Separation of the transuranic elements in the high activity waste from nuclear fuel reprocessing 9—85811

Bathie, R.Perrier de la *see* Perrier de la Bathie, R.

Bathurst, P. *see* Kaghazchi, B. 9—72976

Baticle, A.M., Sculfort, J.L. A study of the monocrystalline zinc telluride/electrolyte interface 9—91138

Baticle, A.M. *see* Sculfort, J.L. 9—87153

Baticle, A.-M. Influence of the correction of ohmic drop on the precision of impedance measurements of semiconductor electrodes 9—70332

Batifol, E. *see* Chemla, D.S. 9—51978

Batischev, V.N. *see* Anisimov, O.K. 9—54633

Batist, L.Kh. *see* Alkhazov, G.D. 9—75957

Batist, R.De *see* De Batist, R.

Batista, P.P. *see* Takahashi, H. 9—80067

Batiza, R., Futa, K., Hedge, C.E. Trace element and strontium isotope characteristics of volcanic rocks from Isla Tortuga: a young seamount in the Gulf of California 9—66657

Batizat, V.P. *see* Murashov, V.V. 9—52586

Batki, L. Image transmission systems of Medicor Works 9—100725

Batkin, I.S. Compton excitation of nuclear levels 9—49620

Batkin, I.S. Fragmentation of nucleus caused by decay of bound muon 9—68333

Batkin, I.S., Ivankov, Yu.V. Dynamic and static polarizability of the deuteron 9—75867

Batkin, S. *see* Tabrah, F.L. 9—83814

Batlogg, B., Ott, H.R., Kaldis, E., Thoni, W., Wachter, P. Magnetic mixed valent TmSe 9—61074

Batmanov, V.S. *see* Perminov, A.N. 9—86327

Bator, B. *see* Polinszky, K. 9—91953

Batov, V.M. *see* Anikeev, E.F. 9—82417

Batovrin, V.K., Novokreshchenov, V.K. Hysteresis effect in second-harmonic generation in a laser 9—59766

Batoyev, V.B. *see* Melikyants, A.G. 9—57613

Batoz, J.L., Dhatt, G. Incremental displacement algorithms for nonlinear problems 9—81717

Batra, A. *see* Rao, U.R. 9—84638

Batra, A.P., Slifkin, L.M. Contributions from vacancy pairs and single vacancies to chloride impurity diffusion in AgBr 9—77830

Batra, I., Hermann, K., Bradshaw, A.M., Horn, K. Theoretical and experimental studies of band formation in CO adlayers 9—95463

Batra, I.P. *see* Chen, M. 9—78144

Batra, I.P. *see* Grant, P.M. 9—51477

Batra, I.P. *see* Horn, K. 9—77916

Batrakov, G.F., Yeremeyev, V.N., Zemlyanoy, A.D., Ivanova, T.M. Strontium-90 and vertical transport of admixtures in the Caribbean Sea 9—53362

Batrakov, V.P. *see* Parkhomenko, N.A. 9—52442

Batrakova, T.V. *see* Sidorovich, A.V. 9—57029

Bats, J.W., Fuess, H., Daoud, A. Dicadmium dimethylammonium pentachloride dihydrate 9—77588

Bats, J.W. *see* Teng, S.T. 9—77562

Batsev, S. *see* Bonch-Osmolovskaya, N.A. 9—75912, 9—75913

Batskikh, G.I. *see* Baldin, A.M. 9—72125

Batson, P.E. *see* Chapman, J.N. 9—61195

Batt, D.L., Berta, V.T. ECC delivery and distribution in scaled PWR experiments 9—89424

Battaglia, A., Villa, G. Absorption of 12 and 8 millimetre radiation by propane vapour under pressure 9—93991

Battaglia, G. *see* Ascoli-Bartoli, U. 9—60170

Battaglia, M.A. *see* Bertoluzza, A. 9—63994

Battaglia, M.R., Cox, T.I., Madden, P.A. The orientational correlation parameter for liquid CS_2, C_6H_6 and C_6F_6 9—73090

Battarel, C.P. *see* Suran, G. 9—78448

Battat, M.E., Dierckx, R., Emigh, C.R. Feasibility study to produce first wall fusion reactor spectra around a 14 MeV neutron point source 9—54597

Batten, A.H., Morbey, C.L., Fekel, F.C., Tomkin, J. The triple system HD 165590 9—84825

Batten, C.F. *see* Wentworth, W.E. 9—100537

Batten, G.L., Jr., Lemberg, H.L. Dynamics of the spin-1 Ising mean field model 9—67232

Batten, R. *see* Anderson, J. 9—54646

Batterman, B.W. *see* Mills, D.M. 9—68035

Battey, G.C. Australia's uranium resources 9—87941

Battezzati, M. A new derivation of a Schrodinger-type equation for dissipative systems 9—49085

Battino, R. Participatory lecture demonstrations 9—84911

Battisti, S. *see* Baribaud, G. 9—72209

Battistoni, G., Iarocci, E., Massai, M.M., Nicoletti, G., Trasatti, L. Operation of limited streamer tubes 9—81123

Battistoni, G., Iarocci, E., Nicoletti, G., Trasatti, L. A cube lattice multiwire detector 9—93875

Battistoni, G. *see* Bacci, C. 9—93440

Battle, G.C. *see* Connolly, T.F. 9—65988

Battle, P.D., Cheetham, A.K. A neutron diffraction study of the ferrimagnetic spinel $NiCo_2O_4$ 9—99681

Battocletti, J.H., Halbach, R.E., Sances, A., Jr., Larson, S.J., Bowman, R.L., Kudravcev, V. Flat crossed-coil detector for blood flow measurement using nuclear magnetic resonance 9—83880

Battocletti, J.H. *see* Halbach, R.E. 9—62328

Batty, C.J., Biagi, S.F., Friedman, E., Hoath, S.D., Davies, J.D., Pyle, G.J., Squier, G.T.A., Asbury, D.M., Guberman, A. Srong interaction effects in pionic atoms 9—76535

Batty, C.J., Biagi, S.F., Hoath, S.D., Sharman, P., Davies, J.D., Pyle, G.J., Squier, G.T.A. Measurement of kaonic and pionic X-rays from liquid helium 9—98253

Batty, C.J. *see* Davies, J.D. 9—55008, 9—86088

Batty, C.J.K. Small perturbations of C*-dynamical systems 9—80458

Batty, M.J. Models of radio recombination line sources 9—92830

Batuner, Yu.D., Bondarchuk, V.M., Goldfeld, A.L., Greenwald, S.A., Zaks, M.I., Kalinina, E.V., Narits, Yu.I., Nekhamkin, A.N., Shamilova, A.Sh., Shevyakina, V.N. Film processor 9P.55 9—49324

Batunya, B.V. *see* Boos, E.G. 9—49548

Baturic-Rubcic, J., Rubcic, A. Advantages of a spherical sample at thermal investigations of phase transitions 9—54134

Baturic-Rubcic, J. *see* Rubcic, A. 9—82318

Baturin, P.I., Lazarenko, B.A., Nikolenko, D.M., Popov, S.G., Ukraintsev, Yu.G. Apparatus for the study of the scattering of electrons by atomic nuclei in storage-ring experiments 9—97473

Baturin, V.N., Koptev, V.P., Maev, E.M., Makarov, M.M., Nelyubin, V.V., Sulimov, V.V., Khanzadeev, A.V., Shcherbakov, G.V. Production of neutrons from the nuclei; ^{7}Li, ^{9}Be, $^{10,11}B$, ^{12}C, ^{16}O, ^{19}F, $^{24,25,26}Mg$, ^{27}Al, $^{40,44}Ca$, Cu, $^{116,124}Sn$, ^{181}Ta, Pb at 1 GeV proton energy 9—85477

Baturov, B.B., Ivanov, A.A., Koryakin, Yu.I., Naumov, Yu.V., Popyrin, L.S., Smirnov, V.G. Comprehensive optimization of a nuclear power station with water-graphite reactors 9—76089

Baturov, B.B., Urezchenko, V.M. Evaluation of plant-location strategies for the nuclear-power fuel cycle 9—59235

Baturov, L.N., Al'shin, B.I. Detection of new components of the magnetoelectric tensor in nickel-iodine boracite 9—95625

Baturov, L.N., Al'shin, B.I., Yarmukhanedov, Yu.N. Nonlinear magnetoelectric and dielectric properties of Ni-I boracite 9—65704

Batyaev, I.M. Automatic magnetometer 9—71503

Batyev, E.G. On the possibility of a current state of an exciton dielectric 9—60726

Batyev, E.G. Properties of the electron-impurity system in semiconductors with valleys of different types 9—69464

Batyghin, V.V., Toptyghin, I.N. Narrowing and deformation of the hyperfine structure lines of atoms in a magnetic field 9—98238

Batygin, Yu.V., Grishaev, I.A., Dovbnya, A.N., Karasev, S.P., Kolot, Z.M., Makhnenko, L.A., Reprintsev, L.V. Limits of the reverse-current method for detection of short pulses of charged-particle beams 9—63856

Batyrbekov, G.A. *see* Arinkin, F.M. 9—97835

Batyrev, N.I., Selin, A.A., Ufimtsev, V.B. Evaporation of phosphorus during liquid-phase epitaxy of solid solutions $In_{1-x}Ga_xP$ 9—95948

Batyrev, N.I., Vigdorovich, V.N., Selin, A.A. Use of statistical design of experiments to select conditions for liquid-phase epitaxy of solid solutions of $In_{1-x}Ga_xP$ 9—52132

Batyunya, B.V. *see* Boos, E.G. 9—67611, 9—89203

Bau Nguen Kuang *see* Nguen Kuang Bau

Baubinas, R., Senulis, F., Vaitkus, J. Temperature dependence of the optical ionization energy of deep local levels in CdSe single crystals 9—65408

Baubinas, R.V., Yaitkus, J.J., Senulis, F.D. Determination of the energy dependence of photon trapping from infrared quenching and impurity photoconductivity in CdSe single crystals 9—56267

Bauch, G.T. Space Shuttle capabilities STS utilization planning 9—58223

Bauchinger, M., Schmid, E., Dresp, J. Calculation of the dose-rate dependence of the dicentric yield after Co γ-irradiation of human lymphocytes 9—92294

Bauchspiess, K.R., Stauffer, D. Use of percolation clusters in nucleation theory 9—52785

Baud, B., Habing, H.J., Matthews, H.E., Winnberg, A. A systematic search at 1612 MHz for OH maser sources. II. A large-scale survey between $10° \leq l \leq 150°$ and $|b| \lesssim 4°.2$ 9—58395

Baud, B. *see* Schilizzi, T.R. 9—92878

Baud, G., Besse, J.P., Chevalier, R., Chamberland, B.L. Structure of a double oxide of rhenium of the cubic $KSbO_3$-type structure: Sr_xReO_3 ($0.4 \leq x \leq 0.5$) 9—65041

Baud, G., Besse, J.P., Chevalier, R., Gasperin, M. Crystal structure of La_3ReO_8 9—90614

Baud, G., Besse, J.-P., Sueur, G., Chevalier, R. Structure of new apatites and the capacity of the rhenium voluminous anions: $Ba_{10}(ReO_5)_6X_2$ (X=Br, I) 9—77578

Baud, G. *see* Besse, J.-P. 9—90601

Bauder, R.C. Finite element analysis of a twenty-five megawatt power tube and a high-energy water-cooled heat sink for fusion research 9—49838

Baudhuin, P., Leroy-Houyet, M.-A., Quintart, J., Berthet, P. Application of cluster analysis for characterization of spatial distribution of particles by stereological methods 9—71569

Baudin, F. *see* Weill, A. 9—66762

Baudin, G., Policella, H. Determination by electrical means of crack fronts in three-dimensional metallic parts 9—77037

Baudinet-Robinet, Y. *see* Dumont, P.-D. 9—81111

Baudraz, F., Vittoz, B. Internal friction due to a loop-dislocation interaction in Al 9—79017

Baudry, M., Dupeyrat, B. Speech segmentation and recognition using syntactic methods on the direct signal 9—59889

Bauer, A., Boucher, D., Burie, J., Demaison, J., Dubrulle, A. Microwave spectra of molecules of astrophysical interest. XV. Propyne 9—76411

Bauer, A.A., Lowry, L.M., Gallagher, W.J., Markworth, A.J. Effects of annealing on irradiated spent fuel cladding 9—89382

Bauer, B.B. *see* Finger, R.A. 9—81605

Bauer, C.L. *see* Cosandey, F. 9—90916

Bauer, C.L. *see* Johnson, B.C. 9—77840

Bauer, G. *see* Burkhard, H. 9—78007

Bauer, G. *see* Erb, W. 9—75570

Bauer, G. *see* Gerstenhauer, E. 9—78526

Bauer, G. *see* Grisar, R. 9—82961

Bauer, G. *see* Scherf, G. 9—75588

Bauer, G. *see* Vogl, P. 9—61343

Bauer, G.S. *see* Carpenter, R.W. 9—57059

Bauer, G.T., Lechner, H.B. Measurement of the longitudinal spherical aberration of soft contact lenses 9—79684

Bauer, H. To the calculation of the frequency of lightning points of impact for selected and arbitrary objects 9—79923

Bauer, H. *see* Nicolau, C. 9—100561

Bauer, H.-D. Measuring of the energy distribution of backscattered electrons at polycrystalline solids 9—95882

Bauer, H.J. *see* Schenk, H.J. 9—56953

Bauer, K. *see* Pawel, H.E. 9—79593

Bauer, K.A. *see* Turekian, K.K. 9—74967

Bauer, R., Christensen, C., Larsen, E. Determination of the electric field gradients for the two different nuclear sites of the cadmium atoms in bis(thiosemicarbazide) cadmium (II) sulfate using gamma ray perturbed angular correlation spectroscopy on the ^{111}Cd isotope 9—65773

Bauer, R.K., Balter, A. Thermal rotations and relaxation of vibrational energy of excited dye molecules in solution 9—81231

Bauer, S.H. *see* Chien, K.R. 9—52713

Bauer, S.H. *see* Ruschin, S. 9—98336

Bauer, T.H. *see* Hakim, S.J. 9—49758

Bauer, T.S., Beurtey, R., Boudard, A., Bruge, G., Catz, H., Couvert, P., Escudie, J.L., Montaine, J.M., Garcon, M., Lugol, J.C., Matoba, M., Platchkov, S., Rouger, M., Terrien, Y. Inelastic α-particle scattering at intermediate energy 9—54394

Bauer, T.S. *see* Adams, G.S. 9—80915

Bauer, W. Superconducting accelerating cavities for high-energy e^+e^- storage rings 9—97924

Bauer, W., Brandelik, A., Citron, A., Lehmann, W., Szecsi, L., Yoshioka, M. Superconducting accelerating cavities for high energy e^+-e^--storage rings 9—72140

Bauernfeind, W. *see* Strauch, D. 9—77705

Baugh, W. *see* Yang, L. 9—59171

Baugher, J., Hindman, J.C., Katz, J.J. Determination of the triplet and excited singlet absorption spectra of chlorophyll a with a tunable dye laser 9—59477

Baughman, R.H., Hsu, S.L., Signorelli, A.J. Polyacetylene and highly conducting charge transfer complexes 9—74052

Baughman, R.H. *see* Ivory, D.M. 9—91031

Baukov, Yu.N. *see* Yamshchikov, V.S. 9—70274

Baukus, J.P. *see* Baron, R. 9—51512

Baulch, D.L., Montague, D.C. Some aspects of the evaluation of kinetic data 9—74344

Baulcomb, R.S. *see* Goodwin, A.R. 9—72567

Baulieu, L., Kounnas, C. A direct method for computing QCD predictions for deep inelastic structure functions 9—80800

Baulin, N.N., Dmitriev, A.K., Ivanchinov-Marinskii, N.N., Lopatin, V.E., Pilyugin, N.N., Chernyavskii, S.Yu. Investigation of the wake of a hypersonic sphere in air by means of an open microwave resonator 9—77301

Baum, B.A. *see* Bazin, Yu.A. 9—90521

Baum, B.A. *see* Shvarev, K.M. 9—87412

Baum, E. *see* Aushermann, D.R. 9—76680

Baum, G. *see* Alguard, M.J. 9—76242

Baum, G. *see* Cooper, P.S. 9—58540

Baum, G.A. *see* Haberger, C.C. 9—68460

Baum, H.J. The Lowther Classic 400: an unconventional loudspeaker from England 9—64474

Baum, H.J. 3 loudspeakers for about 900 Fr. in a comparison test 9—64476

Baum, H.J. The 'stove pipe' [loudspeaker] 9—81679

Baum, H.J. A gentle giant—new high power loudspeaker unit 9—86314

Baum, I.V. Large-aperture radiant solar energy concentrators 9—62115

Baum, I.V. *see* Baranov, V.K. 9—72659

Baum, J.D. *see* How, T.V. 9—53200

Baum, P.J., Bratenahl, A., Crockett, G., Kamin, G. Magnetic flux of colinear bipolar spot pairs 9—75185

Baum, V.A., Kakabayev, A. The use of solar radiation for creating comfortable temperature conditions in Turkmenian SSR 9—57463

Baum, V.A., Ovezsokhatov, N.O. The attainable efficiency of the solar thermoelectric generators 9—62017

Baum, W.A. *see* Briggs, G.A. 9—84707

Bauman, S.E., Williams, E.T., Finston, H.L., Bond, A.H., Jr., Lesser, P.M.S. Quantitative analysis by proton-induced X-ray emission utilizing an inexpensive external-beam system 9—100470

Baumann, E. Errors in the electrical measurements of mechanical quantities 9—97382

Baumann, F. *see* Haussler, P. 9—99638

Baumann, G. *see* Bond, J.D. 9—79487

Baumann, G. *see* Gros, M. 9—64869

Baumann, J.B. Solvent selection for recrystallization. An undergraduate organic experiment 9—84917

Baumann, S. *see* Bartscher, W. 9—52826

Baumard, J.F. *see* Gervais, F. 9—65854

Baumeister, P. Attainment of optimum reflectance for TM polarized flux in immersed multilayers 9—59627

Baumeister, P. *see* Seligson, J. 9—50374

Baumgarte, J. The invariance groups of Kepler oscillator problems 9—67151

Baumgarte, J. A canonical transformation for Keplerian motion which includes the time coordinate in the eccentric anomaly without increasing dimensionality 9—70945

Baumgarte, J. Constraints in Hamiltonian formalism 9—88799

Baumgartel, H. *see* Illenberger, E. 9—50141

Baumgartel, H. *see* Jochims, H.W. 9—59514

Baumgartel, K. *see* Auer, G. 9—77391

Baumgartner, E. *see* Kiebele, U. 9—85483

Baumgartner, R.A., Byer, R.L. Optical parametric amplification 9—81481

Baumgartner, W. *see* Buchmann, P. 9—75650

Baumgartner, W. *see* Martin, H. 9—75649

Bauminger, E.R., Kalvius, G.M., Nowik, I. Isomer shifts in the rare earth 9—87361

Baumjohann, W. *see* Untiedt, J. 9—66888

Baumshtein, M.V. Algorithm for the numerical solution of problems of extrapolation and interpolation of limiting creep stress characteristics of metallic materials by the method of generalized diagrams 9—83281

Baumshtein, M.V. *see* Kovlak, V.I. 9—56988

Baumvol, I.J.R., Behar, M., da Jornada, J.A.H., Fraga, E.R., Livi, R.P., Zawislak, F.C. Perturbed angular correlation study of Pd impurity configurations neighbouring the ^{111}Cd probe atom in Cu host 9—78588

Baumvol, I.J.R., Behar, M., de Jornada, J.A.H., Livi, R.P., Zawislak, F.C. Nuclear quadrupole relaxation in solid Cu host doped with Rh 9—82898

Baur, G. Adiabatic and dynamic polarization effects in subcoulomb elastic scattering 9—97698

Baur, G. *see* Goetzberger, A. 9—70462

Baur, G. *see* Schad, H. 9—65639

Baur, G. *see* Shyam, R. 9—54445

Baurov, Yu.A., Shabanskiy, V.P. Eigenvalues of a two-dimensional model of the magnetosphere 9—53662

Bauspiess, W. *see* Kaiser, H. 9—72435

Bautin, A.V., Il'in, A.A., Polyakov, Yu.A., Safronov, V.I., Shilyayev, A.A. Thin-film thermometry method of studying pulsed laser radiation beams 9—81472

Bauwens, J.-C. *see* Bauwens-Crowet, C. 9—79038

Bauwens-Crowet, C., Bauwens, J.-C. The relationship between the effect of thermal pre-treatment in the viscoelastic behaviour of polycarbonate in the glassy state 9—79038

Bava, E. *see* Godone, A. 9—68409

Bavadekar, S.N., Moolye, D.A. Computation of the average precipitation over the western part of peninsular India during the summer monsoon from the continuity equation for atmospheric water vapour 9—79990

Bavaria, G., Crawford, J.E., Moore, R.B. McGill synchrocyclotron improvements 9—54652

Bavassano, B. *see* Dobrowolny, M. 9—75072

Bavassano-Cattaneo, M.B., Bonifazi, C., Cerulli-Irelli, P., Diodato, L., Dobrowolny, M., Egidi, A., Moreno, G., Orsini, S. Preliminary results from the solar wind experiment on the ISEE-2 satellite 9—58211

Bawa, S.C., Desai, T.B., Yadav, K.S., Holla, V., Marathe, B.R. Design and fabrication of silicon solar cells for concentrated light 9—61995

Bawa, S.C., Singh, F., Marathe, B.R. A semi-automatic Sun tracking system for concentrated silicon solar cells 9—62012

Bawden, D., Devon, T.K., Jackson, F.T., Wood, S.I., Lynch, M.F., Willett, P. A qualitative comparison of Wiswesser line notation descriptors of reactions and the Derwent chemical reaction documentation service 9—83541

Bawin, M. Nonperturbative calculation of nucleon-antinucleon annihilation diagrams in a simple model 9—67578

Bawin, M. A soluble Kisslinger potential 9—85416

Bawman, L.M., Cha, C.Y. Solution properties of poly(N,N-diallyldimethylammonium chloride) 9—94861

Bax, A. *see* Emid, S. 9—73845

Baxendale, J.H. Application of electron beam pulse radiolysis to chemical research 9—52730

Baxi, C.B., Meyer, L., Donne, M.D. The influence of thermocouples in the wall of directly heated test rods 9—93706

Baxter, A., Nigogosian, L. UV recording progress 9—93129

Baxter, A.M., Merrill, M.H., Dahlberg, R.C. The use of nonproliferation fuel cycles in the HTGR 9—49674

Baxter, A.M. *see* Fewell, M.P. 9—67651

Baxter, B.S. *see* Frost, R.L. 9—76605

Baxter, C.F.G., Reiter, H. The effect of substrate pretreatment on the adhesion of plasma-sprayed coatings to mild steel 9—83391

Baxter, D. *see* Latham, A. 9—89168

Baxter, J.A., Comer, J., Hicks, P.J., McConkey, J.W. Decay modes for highly excited states of He^- 9—72422

Baxter, J.A., Comer, J., Hicks, P.J., McConkey, J.W. Studies of post-collision interactions for electrons ejected from autoionising levels of helium excited by low-energy electrons 9—72423

Baxter, L., II Ray calculations of ocean sound channels using a pocket programmable calculator and extended forms of the Hirsch-Carter mathematical model with tables of the Incomplete Beta Function 9—68467

Bay, B., Hansen, N. Initial stages of recrystallization in aluminum of commercial purity 9—56999

Bay, H.L., Bohdansky, J. Sputtering yields for light ions as a function of angle of incidence 9—87537

Bay, H.L., Bohdansky, J., Hechtl, E. Low-energy sputtering yields of nickel as a function of ion mass—A reinvestigation 9—74042

Bayadilov, E.M., Katsaurov, L.N., Krasnopevtsev, V.V., Nurgaliev, K. Effect of heat treatment on the distribution profile of lithium implanted in silicon at high doses 9—86814

Bayakova, A.V. *see* Loskutov, V.F. 9—52462

Bayard, O. The supply of the 148 MW pulsed power to the CERN SPS and the associated mains voltage stabilization and filtering 9—76207

Bayard, O. *see* Adams, J.B. 9—68064

Bayat-Mokhtari, P., Barlow, S.M., Gallon, T.E. The electron energy loss spectrum of tin at low primary beam energies 9—65963

Baye, D., Salmon, Y. Generator-coordinate study of elastic ^{40}Ca+^{40}Ca scattering 9—75948

Bayer, R.K. The force-strain relation of extruded polyethylene-melts 9—77049

Bayer, T. *see* Vogel, J.A. 9—70597

Bayer, W. *see* Tran, M.T. 9—93665

Bayes, K.D. *see* Monkhouse, P.B. 9—64085

Bayfield, J.E. Excited atomic and molecular states in strong electromagnetic fields 9—49955

Bayha, W.T. *see* Ewanizky, T.F. 9—81461

Bayin, S.S. Radiating fluid spheres in general relativity 9—71323

Baykov, V.I., Zal'tsgendler, E.A. Transient natural convection in curly viscous fluids 9—77096

Baykov, V.I. *see* Shul'man, Z.P. 9—68765

Baylis, W.E. *see* Migdalek, J. 9—89609, 9—98034, 9—98035

Baylor, D.A. *see* Lamb, T.D. 9—79529

Baylor, D.A. *see* Yau, K.-W. 9—74651, 9—79530

Bayly, M.B., Cobbold, P.R. Simple derivation of a shortening/rotation relation for straight limbs on symmetrical folds 9—79841

Baym, G. Confinement of quarks in nuclear matter 9—63617

Baym, G. Neutron stars and the physics of matter at high density 9—84815

Baym, G. Landau Fermi-liquid theory and low temperature properties of normal liquid ^{3}He 9—99386

Baym, G., Pethick, C.J., Salomaa, M. Mobility of negative ions in superfluid ^{3}He-B 9—86956

Bayne, C.K. *see* Caputo, A.J. 9—67922

Bayoglu, A.S., Lorenzelli, R. Study of the chemical diffusion of oxygen in PuO_{2-x} by dilatometry and thermogravimetry 9—73339

Bayraktaroglu, B., Hartnagel, H.L. Anodic oxides on GaAs. II. Anodic Al_2O_3 and composite oxides on GaAs 9—83344

Bayraktaroglu, B. *see* Grant, J.T. 9—83345

Bayreuther, G., Hoffman, H., Reffle, J. Search for electric-charge-induced magnetization in ferromagnetic thin films 9—69700

Bays, L.A. *see* Martin, R.G. 9—89568

Bayukov, Y.D., Efremenko, V.I., Frankel, S., Frati, W., Gazzaly, M., Leksin, G.A., Nikiforov, N.A., Perdrisat, C.F., Tchistilin, V.I., Zaitsev, Y.M. 'Backward' production of protons, deuterons, tritons, ^{3}He, ^{4}He, and pions in the interaction of 400 GeV protons with nuclei 9—85475

Bayukov, Y.D., Efremenko, V.I., Frankel, S., Frati, W., Gazzaly, M., Leksin, G.A., Nikiforov, N.A., Perdrisat, C.F., Tchistilin, V.I., Zaitsev, Y.M. Backward production of protons in nuclear reactions with 400 GeV protons 9—93623

Bayukov, Yu.D., Buklei, A.E., Gavrilov, V.B., Goryainov, N.A., Ezhov, B.A., Efremenko, V.I., Zaitsev, Yu.M., Katz, M.M., Kondrat'ev, L.N., Kosov, M.V., Leksin, G.A., Pavlov, V.S., Pomelov, N.N., Rusinov, V.Yu., Stepanov, V.V., Suchkov, D.A., Fedorov, V.B., Shvartsman, B.B. Inclusive production of particles on nuclei under the angles of 62 and 188 mrad induced by protons with the momenta 3.95-9.7 GeV/c 9—49538

Bayumi, T. *see* Antropov, A.E. 9—67753

Bayunov, V.I., Demidov, V.I., Lakutin, V.A., Lavrentyuk, V.E., Mironov, I.S., Podmoshenskii, I.V., Sobolev, V.F. Electrical portion of multichannel system for optical diagnostics of pulsed plasma sources 9—77425

Bayuzick, R.J. *see* Eaton, H.C. 9—77608

Baz', A.I., Danilin, B.V. Exactly solvable model of multi-channel nuclear reactions 9—67732

Bazakutsa, V.A., Vasil'eva, M.P. Thermal conductivity of triple semiconductors of $A^1SbC_2^6$ type as a function of chemical composition and structure 9—95224

Bazan, Cz. *see* Alekseevskii, N.E. 9—63280

Bazan, E. *see* Esteva, L. 9—88294

Bazanov, V.A. *see* Kutateladze, S.S. 9—98831

Bazant, Z.P., Estenssoro, L.F. Surface singularity and crack propagation 9—50656

Bazant, Z.P., Ohtsubo, H. Geothermal heat extraction by water circulation through a large crack in dry hot rock mass 9—57355

Bazarov, B.A., Bazarov, Kh., Strebkov, D.S., Tairov, B.D., Tereshin, V.D. The feasibility of constructing a photoelectric unit utilizing effluent heat 9—62002

Bazarov, Kh. *see* Bazarov, B.A. 9—62002

Bazarov, V.D., Basanov, V.B., Dorzhin, G.B., Simakov, I.G. Measurement of small attenuations and velocity variations of ultrasonic surface waves 9—86281

Bazarov, V.G., Lyul'ka, L.A. Study of self-oscillatory liquid film flow regime in coaxial air stream 9—86498

Bazdyrev, V.N. *see* Baiburina, S.G. 9—80156, 9—80170

Baze, J.M., Bernard, P., Feldmann, M., Lecoeur, C. The vacuum chamber of the GANIL SCC 9—54640

Baze, J.M. *see* Bieth, C. 9—72118

Bazelaire, E.de *see* de Bazelaire, E.

Bazergui, A. Experimental stress analysis methods and recent developments 9—59953

Bazett-Jones, D.P. *see* Ottensmeyer, F.P. 9—62175, 9—92453

Bazhan, A.N. *see* Fedoseeva, N.V. 9—69687

Bazhanov, V.I., Rambidi, N.G. Measurements of electronic characteristics by studying the scattering of fast electrons by the CCl_4 molecule 9—59576

Bazhanov, V.S., Markov, G.A. Experimental investigation of the influence of nonlinear effects on resonant microwave absorption in inhomogeneous plasmas 9—94793

Bazhanova, N.P. Threshold effects in elastic scattering of slow electrons from (100) face of Si 9—100002

Bazhin, N.M. *see* Skubnevskaya, G.I. 9—50074

Bazhinov, V.V. *see* Matskevich, L.L. 9—76897

Bazilevskaya, G.A. *see* Charakhch'yan, A.N. 9—80131

Bazilevskaya, T.N. *see* Charakhch'yan, A.N. 9—84601

Bazilevskii, M.V., Elovskii, S.N., TIkhomirov, V.A. Description of intermolecular interaction by combining quantum-chemical and atom-atom calculations 9—59529

Bazin, J.P. *see* Kahn, E. 9—62354

Bazin, M. *see* Gresset, C. 9—87855

Bazin, Yu.A., Klimenkov, E.A., Baum, B.A., Mariev, S.A. Short range order in molten iron-carbon alloys 9—90521

Bazley, E.N. *see* Delany, M.E. 9—86316

Baznat, M.I. *see* Alikov, B.A. 9—75828

Bazques, E.O. *see* Anand, D.K. 9—57415

Bazter, M.S. *see* Mackenzie, A.B. 9—88370

Bazu, M. *see* Sachelarie, D. 9—87148

Bazuaye, A., Huglin, M.B. Effect of temperature and solvent composition on the unperturbed dimensions of polystyrene 9—64132

Bazylev, V.A., Chibisov, M.I. Charge exchange in collisions of multi-charged ions 9—98859

Bazylev, V.A., Zhevago, N.K. Transverse energy damping in the channeling process 9—55799

Bazylev, V.A., Zhevago, N.K. Influence of the polarisation of the medium on the radiation of channeled particles 9—69168

Bazylev, V.A., Zhevago, N.K. Loss of electrons by multiply charged channeling ions 9—69171

Bazylev, V.A., Zhevago, N.K. Coherent effects in electron losses by channeled ions 9—95059

Be Suck Hee *see* Suck Hee Be

Beadles, R. *see* Haak, E.D. 9—83869

Beaghler, G.W. *see* Stotts, L.B. 9—62576

Beaglehole, D., de Crescenzi, M., Theye, M.L., Vuye, G. Dielectric constant of gold, copper, and gold-copper alloys between 18 and 35 eV 9—95723

Beagley, B., Brown, D.E. A gas phase electron diffraction study of the molecular structure of 1,1,2-trifluoroethane, assisted by calculation of the vibrational amplitudes for 1,2-difluoroethane from spectroscopic data 9—76514

Beahm, E.C., Culpepper, C.A. Basic chemical compatibility of thorium carbides with Cr-Fe-Ni alloys 9—93727

Beal, A.R., Hughes, H.P. Kramers-Kronig analysis of the reflectivity spectra of 2H-MoS_2, 2H-$MoSe_2$ and 2H-$MoTe_2$ 9—51976

Beal-Monod, M.T., Mills, D.L. Low temperature nuclear spin relaxation of normal liquid ^{3}He in confined geometries 9—51372

Beal-Monod, M.T. *see* Spanjaard, D. 9—51373

Beale, D.J., Poletti, A.R., Southon, J.R. Gamma-ray studies using a solid argon target: properties of states in ^{40}K and ^{40}Ar 9—93551

Beale, J.R.A. *see* Ashburn, P. 9—82665

Beale, M.I.J. *see* Aldridge, E.E. 9—83421

Beales, K.J. *see* Ainslie, B.J. 9—76893

Beall, G.W. *see* Cohen, M.S. 9—78466

Beall, G.W. *see* Mullica, D.F. 9—58855, 9—77568

Beall, J.H. An upper limit for the total energy of relativistic particles contained in the early stages of supernova explosions 9—71059

Beaman, S.L. Plutonium and actinide burnout as a waste management alternative 9—59210

Beamish, D. Source field effects on transfer functions at mid-latitudes 9—74831

Beamish, D., Hanson, H.W., Webb, D.C. Complex demodulation applied to Pi 2 geomagnetic pulsations 9—84588

Bean, B.L. *see* McKnight, S.W. 9—61453

Bean, B.R. *see* Riehl, H. 9—79989

Bean, E.B. *see* Block, R.C. 9—67794

Bean, J.C., Leamy, H.J., Poate, J.M., Rozgonyi, G.A., van der Ziel, J., Williams, J.S., Celler, G.K. Laser induced epitaxy of amorphous deposited silicon 9—69372

Bean, J.C., Leamy, H.J., Poate, J.M., Rozgonyi, G.A., van der Ziel, J.P., Williams, J.S., Celler, G.K. Substrate and doping effects upon laser-induced epitaxy of amorphous silicon 9—56082

Beard, D.B. The magnetotail magnetic field 9—80089

Beard, D.B. *see* Ng, K.H. 9—80252

Beard, J.T., Iachetta, F.A., Lilleleht, L.U., Duvall, M.D., Dirhan, L.A., Jr., Dickey, J.W. Annual collection and storage of solar energy for the heating of buildings 9—62074

Beardall, J.S. *see* Lucht, R.A. 9—76475

Beardmore, P. *see* Govila, R.K. 9—57090

Beardsley, B. *see* Barnes, T. 9—80330

Beardsley, G.M. *see* Farmer, W.S. 9—87039

Beardsley, R.C., Saunders, K.D., Warn-Varnas, A.C., Harding, J.M. An experimental and numerical study of the secular spin-up of a thermally stratified rotating fluid 9—77217

Beare, A.N. *see* Kinney, J.A.S. 9—53119

Bearman, G.H., Gentry, W.R. Energy dependence of the differential cross sections for simple models of ion-induced dipole capture collisions 9—91911

Bearman, P.W., Currie, I.G. Pressure-fluctuation measurements on an oscillating circular cylinder 9—59995

Beart, G., Deenen, J., Reidemeister, G. Centre-of-mass motion for a system of two unequal fragments 9—49588

Beasley, C.O. *see* Lominadze, J.G. 9—60119

Beasley, M.R., Mooij, J.E., Orlando, T.P. Possibility of Vortex-antivortex pair dissociation in two-dimensional superconductors 9—56457

Beasley, M.R. *see* Moore, D.F. 9—65618

Beasley, M.R. *see* Orlando, T.P. 9—78277

Beasley, W.H. *see* McDonald, T.B., III 9—70845

Beatham, N., Cox, P.A., Orchard, A.F., Grant, I.P. Final-state intensities in photoelectron spectra of 4f electrons as predicted by relativistic calculations 9—54816

Beatty, D.D. *see* Tsin, A.T.C. 9—53111

Beatty, J.K. Encounters with Venus 9—62721

Beatty, M.F., Chewning, S.W. Numerical analysis of the reinforcement effect of a strain gage applied to a soft material 9—72864

Beatty, R.L. *see* Notz, K.J. 9—89482

Beatty, S.S., Gennaro, J.L., Frederick, P.R., Clayton, P.D. A radiology reporting system which is based upon an individualized list of the most likely differential diagnoses 9—83860

Beatty, W.B. *see* Dolphin, L.T. 9—84094

Beau, D., Horchani, S. A Lie group framework for composite particles and mass spectrum 9—97608

Beauchamp, J.L. *see* Woodin, R.L. 9—68277

Beauchamp, R. *see* Tracey, J.H. 9—74995

Beauchemin, G., Drouin, R. The energy-angle distribution of heavy particles penetrating solids: experimental test of the Meyer-Klein-Wedell theory for Ne and Ar ions in carbon below 250 keV 9—49916

Beaucoudrey, N.de *see* de Beaucoudrey, N.

Beaudet, G. *see* Carignan, C. 9—71163

Beaudette, R.A. *see* Basch, E.E. 9—81528

Beaudoin, J.J., Feldman, R.F. Partial replacement of cement by fly ash in autoclaved products—Theory and practice 9—74239

Beaudoin, J.L., Eloundou, J.P. Raman spectroscopy of the hydrogen bond in crystallization normal and deuterated glycerol: influence of the anharmonic multiphonon interactions on ν_{OH}, ν_{OD}, and γ_{OH} vibrations 9—91419

Beaudry, B.J., Gschneidner, K.A., Jr. Preparation and basic properties of the rare earth metals 9—69969

Beaudry, B.J. *see* Ho, J.C. 9—60518

Beaudry, W.T. *see* Knight, L.B., Jr. 9—76455

Beaufils, J.Cl., Carette, P., Blondeau, J.M. New experimental results on the electronic spectrum of praseodymium monoxide 9—98061

Beauge, L.A., Glynn, I.M. Occlusion of K ions in the unphosphorylated sodium pump 9—88065

Beaulieu, R., Lessard, R.A., Blanchard, M., Cormier, M. Holographic reconstruction at 10.6 μm: production of replicas 9—98314

Beaulieu, R. *see* Chapman, G.H. 9—78000

Beaulieu, R. *see* Gorska, M. 9—73609

Beaulieu, R. *see* Loferski, J.J. 9—56866

Beaumevieille, H. *see* Stoquert, J.P. 9—93637

Beaumont, W.Van *see* Van Beaumont, W.

Beaupain, R. Effects of X-rays on DNA synthesis in developing and regressing Mullerian ducts of the chick embryo 9—88130

Beauregard, O.Costa de *see* Costa de Beauregard, O.

Beaury, L. *see* Caro, P. 9—56811

Beauval, J.J. *see* Allemand, L. 9—81126

Beauvillain, P., Renard, J.P., Laursen, I., Walker, P.J. Critical behaviour of the uniaxial dipolar ferromagnet $LiHoF_4$ 9—61149

Beauvillain, P. *see* Chappert, C. 9—82808

Beavan, R.J. *see* Bilham, R.G. 9—79773

Beaver, D.deB., Rosen, R. Studies in scientific collaboration. I. The professional origins of scientific co-authorship 9—58522

Beaver, D.deB., Rosen, R. Studies in scientific collaboration. II. Scientific co-authorship, research productivity and visibility in the French scientific elite 1799-1830 9—75317

Beaver, D.deB. *see* deB. Beaver, D.

Beaver, E.A. *see* Thompson, I. 9—53906

Beaver, J.E., Fernandez-Rubio, F., Nash, D., Armbruster, J., Bolomey, L. Radionuclide production aspects of medical cyclotrons 9—53238

Beaver, R.W. *see* Brauer, R.W. 9—88070

Beavers, G.S., Joseph, D.D. Experiments of free surface phenomena 9—60025

Beavers, G.S. *see* Yoo, J. 9—68766

Beavers, J.A. *see* Nelson, J.L. 9—79163

Beavers, W.I., Oesper, D.A., Pierce, J.N. Photometric observations of eclipses and flare-ups in V471 Tauri 9—71072

Beavers, W.I. *see* Eitter, J.J. 9—88642

Beavers, W.I. *see* Pierce, J.N. 9—88684

Beavis, D., Shu-Yuan Chu, Desai, B.R., Kaus, P. Charmonium and T systems with small hyperfine splittings 9—97599

Bebchuk, A.S. *see* Arushanov, S.Z. 9—87530

Bebel, D.J., Quick, R.F., Jr. Random pattern generation using coherent optical spatial filtering 9—98462

Bebenin, N.G. *see* Kalashnikov, V.P. 9—51593, 9—91040

Bebermeier, H. Space application of large area terrestrial solar cells for multi-kW-arrays 9—96451

Beblo, M., Bjornsson, A. Magnetotelluric investigation of the lower crust and upper mantle beneath Iceland 9—66612

Bec, R. *see* Bourgine, A. 9—81620

Beccali, G. The role of solar energy to meet human needs 9—100499

Beccaria, A.M., Mor, E.D. Inhibiting effect of some monosaccharides on the corrosion of copper in nitric acid 9—70209

Beccaria, A.M. *see* Mor, E.D. 9—52420

Becchetti, F.D., Janecke, J., Overway, D., Cossairt, J.D., Spross, R.L. α clustering in ^{208}Pb from (d,^{6}Li) at E_d=55 MeV 9—67694

Becchi, C. *see* Bandelloni, G. 9—71650

Bechaz, G., Huck, J., Maitrot, M., Diguet, D. Cathodoluminescence as a means for investigating and checking in the field of heterojunctions 9—69892

Becherer, H., Buhrig, E., Hein, K., John, M., Kirsten, P., Schneider, H.A., Siegel, W., Winkler, K. Production and selection of physical properties of $ZnSiP_2$ 9—52094

Becherer, J. *see* Rudlof, G. 9—65984

Bechgaard, K. *see* Andrieux, A. 9—78084, 9—82579, 9—91033, 9—91034

Bechis, D.J., Chang, C.Y., Lau, K.H. Neutrino-induced heavy-lepton pair production at high energies and multimuon events 9—89298

Bechis, D.J., Dombeck, T.W., Ellsworth, R.W., Sager, E.V., Steinberg, P.H., Tieg, L.J., Yoh, J.K., Weitz, R.L. Search for axion production in low-energy electron bremsstrahlung 9—63401

Bechkov, V., Boyad, Khr. Influence of waves on the mass transfer in liquid films 9—64677

Bechkov, V., Elenkov, D., Boyadzhiev, Khr., Papadopov, L. On the theory of mass transfer in falling liquid films 9—65309

Bechler, A., McEnnan, J., Pratt, R.H. Analytic perturbation theory for screened Coulomb potential: full continuum wave function 9—64065

Bechrakis, P.K. *see* Anastassiades, A.J. 9—92462

Bechstedt, F., Enderlein, R. Electronic polarization (relaxation) effects in the core level spectra of semiconductors. I. General theory of electronic polarization (relaxation) in semiconductors 9—90985

Bechstedt, F. *see* Enderlein, R. 9—61324, 9—95346

Bechtel, J.H. Temperature measurementsof the hydroxyl radical and molecular nitrogen in premixed, laminar flames by laser techniques 9—80622

Bechteler, J., Stodolsky, L. A direct test of the quark-parton model in e^+e^--annihilation 9—75728

Bechtold, V., Ehret, H.P., Friedrich, L., Mollenbeck, J., Schweickert, H. An ECR-type light ion source for the Karlsruhe isochronous cyclotron 9—68012

Bechtold, V., Friedrich, L., Wiss, L. Design of the new trim coils at the Karlsruhe isochronous cyclotron 9—54654

Beck, C. Transmissive similarity and scale models in a light absorbing, randomly scattering medium 9—55061

Beck, C.L., Lineberry, M.J., Carpenter, S.G., Ducat, G.A., Schaefer, R.W., Wade, D.C. Review of fast integral data related to ^{233}U and thorium 9—67834

Beck, D., Ross, U., Schepper, W. Isotope shift in the bulge effect of molecular scattering 9—86047

Beck, D. *see* Copley, S.M. 9—69919

Beck, D.G. *see* Bass, M. 9—70199

Beck, E. *see* Mendecki, J. 9—62296

Beck, F. *see* Altaber, J. 9—72211

Beck, F.A. High spin isomers in the rare earth nuclei region. Possible oblate shape in ^{152}Dy at high angular momenta 9—97646

Beck, F.A. *see* Toulenmonde, M. 9—58998

Beck, F.A. *see* Vivien, J.P. 9—85408

Beck, G. *see* Denis, S. 9—91712

Beck, G. *see* Flament, G. 9—86322

Beck, H. *see* Muller, G. 9—73741

Beck, H.L., Gogolak, C.V. Time-dependent calculations of the vertical distribution of ^{222}Rn and its decay products in the atmosphere 9—84383

Beck, J. Measurement and control of radioactive emissions from nuclear power stations—a survey 9—85818

Beck, J., Schwartz, T. Vernier acuity with dot test objects 9—62265

Beck, J.S. *see* Brown, R.A. 9—74606

Beck, J.V. Criteria for comparison of methods of solution of the inverse heat conduction problem 9—68547

Beck, J.V. Effects of multiple sources in the contact conductance theory 9—76942

Beck, J.V. *see* Schisler, I.P. 9—76938

Beck, M.B. Problems of river water quality modelling and control: a review 9—57519

Beck, M.G. *see* Zumwalt, L.R. 9—67898

Beck, M.S. *see* Kaghazchi, B. 9—72976

Beck, R., Biermann, P., Emerson, D.T., Wielebinski, R. Radio continuum observations of NGC 891 and NGC 253 at 8.7 GHz 9—92853

Beck, S.C., Lacy, J.H., Geballe, T.R. Ne II emission and galactic dynamics in NGC 253 9—92844

Beck, S.C. *see* Geballe, T.R. 9—62840

Beck, S.R. Biomass utilization: an alternative to fossil hydrocarbons 9—87985

Beck, T.R., Lin, K.-F. Surface stress curves for platinum 9—61866

Beck, V.D. A hexapole spherical aberration corrector 9—76571

Beck, W.A., Buchner, S.P., Byer, N.E., Sun, T.S. Electron-beam delineation of $Pb_{1-x}Sn_xTe$ films on BaF_2 9—99434

Beck, W.L. *see* Duffey, D. 9—63820

Beckel, C.L. *see* Ali-Reza Hashemi-Attar 9—68220

Becker, B. *see* de Jong, A.F.M. 9—74952

Becker, C.H., Casavecchia, P., Lee, Y.T. Crossed molecular beam studies on the interaction potentials for F(2P+Ne, Ar, Kr(^{2}S) 9—68288

Becker, C.H., Casavecchia, P., Lee, Y.T., Olson, R.E., Lester, W.A., Jr. Coupled-channel study of halogen (^{2}P)+rare gas (^{1}S) scattering 9—81255

Becker, C.H., Tiedemann, P.W., Valentini, J.J., Lee, Y.T., Walker, R.B. Experimental and computational study of HF+Xe scattering 9—89748

Becker, E. *see* Akbay, U. 9—81830

Becker, E.L. *see* Naccache, P.H. 9—88095

Becker, E.W., Bley, P., Ehrfeld, U., Ehrfeld, W. The separation nozzle—an aerodynamic device for large-scale enrichment of uranium-235 9—94654

Becker, E.W., Bley, P., Ehrfeld, U., Ehrfeld, W., Knapp, U., Krieg, G. Enrichment of ^{235}U by separation nozzle systems with dynamic flow deflection 9—49825

Becker, F. Basic physical principles and problematical aspects of teledetection 9—96769

Becker, H., Blanar, G., Blum, W., Cerrada, M., Chabaud, V., De Groot, J., Dietl, J., Gallivan, J., Gorlich, L., Gottschalk, B., Grayer, G., Hentschel, G., Hyams, B., Lorenz, E., Lutjens, G., Lutz, G., Manner, W., Niczyporuk, B., Notz, D., Papadopoulous, T., Richter, R., Rybicki, K., Stierlin, U., Stringfellow, B., Zalewska, A. A model independent partial wave analysis of the $\pi^+\pi^-$ system produced at low four-momentum transfer in the reaction $\pi^-p_{spin\ up}\rightarrow\pi^+\pi^-n$ at 17.2 GeV/c 9—63533

Becker, H., Blanar, G., Blum, W., Cerrada, M., Dietl, H., Gallivan, J., Gottschalk, B., Grayer, G., Hentschel, G., Lorenz, E., Lutjens, G., Lutz, G., Manner, W., Notz, D., Richter, R., Stierlin, U., Stringfellow, B., Chabaud, V., Hyams, B., Papadopoulou, T., de Groot, J., Gorlich, L., Niczyporuk, B., Rybicki, K., Zalewska, A. A model-independent partial-wave analysis of the $\pi^+\pi^-$ system produced at low four-momentum transfer in the reaction π^-pspin up$\rightarrow\pi^+\pi^-n$ at 17.2 GeV/c 9—54363

Becker, H., Gerhardt, U. Matrix-element effects in the angular-resolved photoemission from (111) silicon 9—69957

Becker, H. *see* Fercher, A.F. 9—88228, 9—89852

Becker, H.J. *see* Hussmann, E.K. 9—62068

Becker, J.J. *see* Lubórsky, F.E. 9—82820

Becker, K.A. *see* Drachsel, W. 9—90892

Becker, L. *see* Otter, G. 9—85338

Becker, M., Harris, D.R., Menezes, A.DaC., Napolitano, D. Generalized approach to nodal methods 9—80987

Becker, M. *see* Biffer, J. 9—80990

Becker, M. *see* Bokharee, S. 9—80989

Becker, M. *see* Menezes, A.DaC. 9—81040

Becker, M. *see* Quan, B. 9—89369

Becker, M. *see* Schweiger, G. 9—94673

Becker, M.F. *see* Walser, R.M. 9—69419

Becker, M.F. *see* Zwernemann, S.M. 9—50342

Becker, R., Ryder, P.L. An ultrasonic method for the preparation of microspecimens for transmission electron microscopy 9—52561

Becker, R.A. *see* Lutz, H.D. 9—78687

Becker, R.H. *see* Giacconi, R. 9—70941

Becker, R.L., MacKellar, A.D. Classical four-body calculations of $^4He^+$+H and H+H collisions 9—72387

Becker, R.L. *see* Ford, A.L. 9—89760, 9—89766

Becker, R.O. *see* Mitchell, J.T. 9—62212

Becker, R.S. *see* Spears, D.P. 9—81351

Becker, U., Burger, J., Chen, M., Everhart, G., Heimlich, F.H., Lagerlund, T., Leong, J., Novikoff, D., Rosenson, L., Toki, W., Weimer, M., Lowenstein, D.I. Inclusive two negative pion production at 90° in the proton-nucleon CM system for nuclear targets and 28.5 GeV/c 9—59059

Becker, U. *see* Barber, D. 9—54289, 9—54346

Becker, U. *see* Barber, D.P. 9—89175, 9—97631

Becker, W., Meckbach, R., Mitter, H. Motion of relativistic particles in standing wave fields 9—58910

Becker-Platen, J.D., Luettig, G., Meine, K.-H. Geoscientific maps for planning 9—84080

Becker-Ross, H. *see* Mory, S. 9—94242

Beckers, J., Jaminon, M., Serpe, J. Invariant tensors for some maximal subgroups of the conformal group of space-time 9—85239

Beckers, J.M. *see* Calvert, J. 9—80225

Beckers, P., Nyssen, C. Equilibrium models in finite element elasto-plastic analysis 9—81742

Beckers, R.M. *see* Reiley, T.C. 9—57192

Beckert, U., Rieck, H. Numerical calculation of eddy current phenomena in ferromagnetic cylinders with sinusoidally varying end fields 9—94131

Becket, J.M. *see* Bourdillon, P.J. 9—92318

Beckett, A. *see* Shah, J.S. 9—100797

Beckham, K.F. *see* Latanision, R.M. 9—51423

Becklin, E.E., Neugebauer, G. 2.2-micron map of the central 1° of the galactic center 9—58424

Becklin, E.E., Wynn-Williams, C.G. Detection of Jupiter's ring at 2.2. μm 9—66958

Becklin, E.E. *see* Beichman, C.A. 9—101180

Becklin, E.E. *see* Neugebauer, G. 9—62926

Becklin, E.E. *see* Werner, M.W. 9—84842

Beckman, O. *see* Nordblad, P. 9—91217

Beckman, W.A. Duct and pipe losses in solar energy systems 9—83633

Beckman, W.A. *see* Brandemuehl, M.J. 9—57444

Beckman, W.A. *see* Klein, S.A. 9—74542

Beckmann, P., Ratcliffe, C.I., Dunell, B.A. Proton spin-lattice relaxation and methyl group rotation 9—78553

Becle, C., Bourniquel, B., Develey, G., Saillard, M. The intermetallic compound Ni_3Zr 9—90597

Becle, C. *see* Glimois, J.L. 9—65035

Becraft, W.R. *see* Roberst, M. 9—71959

Becus, G.A. Diffusion approximation to wave propagation in imperfectly periodic structures 9—98659

Becvar, F. An optimum method for processing of two-parameter spectroscopic information on small computers 9—76322

Becvar, J., Cech, B., Benadik, A. Low-temperature sintering of UO_2 sol-gel derived microspheres and their properties after heat treatment at temperatures of 1500-2200°C 9—100101

Bedarczyk, L. *see* Smulek, W. 9—97811

Bedding, D.R., Moran, T.I. Lifetime of the first vibrational state of the electronic ground state of $^6Li^{35}Cl$ 9—86023

Bedding, S., Downes-Martin, S., Taylor, J.G. A superfield analysis of supergravity 9—85038

Bedding, S., Pickup, C., Taylor, J.G., Downes-Martin, S. A critique of superfield, theories of supergravity 9—54028

Bedeaux, D. *see* Ronis, D. 9—49155

Bedell, H.E., Enoch, J.M. A study of the Stiles-Crawford (S-C) function at 35° in the temporal field and the stability of the foveal S-C function peak over time 9—62262

Bedenyapin, G.A., Dushin, Yu.A., Emel'yanova, L.I., Novikov, L.F., Parkhuta, G.N. State of oxygen at various stages of internal oxidation of the alloy Nb-1% Zr 9—70102

Beder, D. $\pi^-p\rightarrow\gamma\gamma n$ at threshold 9—89183

Bederka, S. Spiral deflector of a neutron generator target 9—76247

Bedford, A. *see* Drumheller, D.S. 9—90067, 9—93084

Bedford, A. *see* Hill, C.D. 9—77230

Bedi, S.S., Verma, M.P. On the long-wavelength behaviour of solids with fluorite structure 9—87441

Bedini, L., Bramanti, M., Denoth, F. Design and realisation of an inductive sonde for the transcutaneous measurement of the movement of large blood vessels 9—70602

Bedini, L., Denoth, F., Contini, C. Measuring the stimulating energy threshold in living tissues 9—57745

Bedjidian, M., Descroix, E., Hrossiord, J.Y., Guichard, A., Gusakow, M., Jacquin, M., Pizzi, J.R., Kudla, M.J., Piekarz, H., Piekarz, J., Pniewski, J. Further evidence for the existence of The γ decaying states of $^4_\Lambda H$ and $^4_\Lambda He$ 9—85393

Bedjidian, M., Piekarz, H., Descroix, E., Grossiord, J.Y., Guichard, A., Gusakow, M., Jacquin, M., Kudla, M.J., Piekarz, J., Pizzi, J.R., Pniewksi, J. Further investigation of the γ-transitions in $_\Lambda{}^4H$ and $_\Lambda{}^4He$ hypernuclei 9—63621

Bednar, L. Chloride stress corrosion cracking in nonsensitized ferritic stainless steel 9—96194

Bednar, M., Sachl, V.F. Classification and construction of finite dimensional irreducible representations of the graded algebras; application to the (Sp(2n); 2n) algebra 9—49074

Bednarczyk, D., Bednarczyk, J. The Hall and drift mobilities in thin polycrystalline semiconductor films 9—95531

Bednarczyk, J. *see* Bednarczyk, D. 9—95531

Bednarek, S. Polaron mass of exciton 9—95344

Bednarek, S. *see* Adamowski, J. 9—60715

Bednarik, I. *see* Boda, D. 9—100785

Bednarowicz, L. Stress-strain relationship in fabric reinforced laminates 9—91750

Bednarz, R.J. System performance optimization 9—89579

Bednyi, B.I. *see* Karpovich, I.A. 9—56324

Bedretdinov, Z.M., Gaisin, F.M., Dautov, G.Yu., Semichev, A.Ya., Krivonosova, E.I., Mukhamadiyarov, Kh.G. Some properties of a glow discharge in a transverse flow of air 9—55585

Bedrosyan, P. *see* Akimov, Yu.K. 9—49525

Bedwell, C.H. Recent developments in investigations of visual fields 9—96552

Bee, J.V., Edmonds, D.V. A metallographic study of the high-temperature decomposition of austenite in alloy steels containing Mo and Cr 9—61559

Bee, J.V. *see* Ecob, R.C. 9—55700

Bee, J.V. *see* Wood, J.V. 9—78982

Bee, M. *see* Amoureux, J.P. 9—51021

Beebe, G.W., Kato, H., Land, C.E. Studies of the mortality of A-bomb survivors. VI. Mortality and radiation dose, 1950-1974 9—88136

Beebe, G.W., Land, C.E., Rossi, H.H., Mays, C.W. Comments on 'Leukemia risk from neutrons' [and reply] 9—70589

Beebe, N.H.F. Modification of virtual orbitals 9—85880

Beebe, R.F., Youngblood, L.A. Pre-Voyager velocities, accelerations and shrinkage rates of Jovian cloud features 9—92710

Beebe, R.F. *see* Ingersoll, A.P. 9—92711

Beebe, R.F. *see* Mitchell, J.L. 9—92712

Beecher, M.D. *see* Petersen, M.R. 9—62268

Beecher, M.D. *see* Zoloth, S.R. 9—79563

Beek, B., Manor, M., Woodard, J. Speaker authentication and voice data entry 9—94419

Beeken, R.B., Schweitzer, J.W. Magnetic susceptibility of alloys of SmAs with SmS 9—87245

Beekmans, N.M. *see* Buschow, K.H.J. 9—73487

Beelen, H.van *see* van Beelen, H.
Beelen, H.Van *see* Van Beelen, H.
Beeler, G.W., McGuigan, J.A.S. Voltage clamping of multicellular myocardial preparations: capabilities and limitations of existing methods 9—84056
Beelitz, W. *see* Sonne, H.M. 9—66089
Beem, J.K., Ehrlich, P.E. Cut points, conjugate points and Lorentzian comparison theorems 9—93009
Beenakker, J.J.M. *see* Hermans, L.J.F. 9—98844
Beer, A., Bourgeois, F., Corre, A., Critin, G., Huber, M.L., Pegaitaz, R., Pflumm, H., Schuler, G. MBNIM: a modular approach to fast trigger logic for high energy physics experiments 9—49920
Beer, G.A. *see* Sperry, W.C. 9—94111
Beer, G.P.De *see* De Beer, G.P.
Beer, H., Kappeler, F. Capture-to-fission ratio of ^{235}U in the neutron energy range from 10 to 500 keV 9—89336
Beer, M. *see* Wiggins, J.W. 9—58848
Beer, M.de *see* de Beer, M.
Beer, R.de *see* de Beer, R.
Beer, T. Tropical waves 9—74945
Beer, T. Tropical cyclone rainband microstructure 9—100927
Beer, W.H.J.de *see* de Beer, W.H.J.
Beerlage, M.J.M. *see* Klewer, M. 9—89781
Beers, C.J., van Dongen, J.C.M., van Kempen, H., Wyder, P. Increase of the linear magnetoresistance of indium by artificial voids 9—60799
Beers, J.C., II. *see* Alder, B.J. 9—64823
Beese, E., Gersten, K. Skin friction and heat transfer on a circular cylinder moving in a fluid at rest 9—50701
Beesley, D.E. Comet Kobayashi-Berger-Milon 1975h [1975 IX] 9—75165
Beeson, E.J.G. Conventional light sources for holographic displays 9—50261
Beetz, C.P., Jr., Ascarelli, G. The unusual narrow line FIR modes of cytidine 9—69824
Beevers, C.J. *see* Druce, S.G. 9—70141
Beevers, M.S., Elliott, D.A. The electro-optical Kerr effect of optically active liquids 9—91406
Befu, M. *see* Ohnishi, K. 9—82681
Beg, K. *see* Keim, H.J. 9—79635
Beg, M.A.B., Maloof, D.J., Tsao, H.-S. Strong P and T noninvariances in a class of gauge theories 9—63372
Beg, M.M., Aslam, J., Ahmad, N., Khan, Q.H., Butt, N.M. Concentration dependence of the Debye temperature for the $K_xRb_{1-x}I$ system 9—90746
Beg, M.N., Siddiqi, F.A., Khan, M.I.R., Ahsan, M.A., Islam, B. Studies with model membranes. XXV. Evaluation of membrane parameters and test of the theory of bi-ionic potential based on the thermodynamics of irreversible processes 9—57294
Beg, M.N. *see* Siddiqi, F.A. 9—92168
Beg, S. Microwave studies of diffusion and recombination in nitrogen afterglows 9—90479
Bega, N.D. *see* Zasimchuk, E.E. 9—52481, 9—66129
Begel, J. *see* Mouchart, J. 9—64301
Begelman, M.C., Rees, M.J. A twin-jet model for radio trails 9—75290
Begenisich, T. Conditioning hyperpolarization-induced delays in the potassium channels of myelinated nerve 9—88066
Begland, B. Malpractice in instructional technology 9—92907
Beglaryan, D.M. *see* Akimov, Yu.K. 9—49525
Begley, J.A. *see* Clarke, G.A. 9—52542
Beglov, B.M. Thermodynamic analysis of the reactions of formation of condensed lithium, rubidium, and cesium phosphates 9—52643
Begou, Ph., Hersant, T., Meyzaud, Y. Quantitative study of the grain growth in the recrystallization of a thin sheet of extra-mild rimming steel 9—70074
Begovich, C.L. *see* Alsmiller, F.S. 9—53479
Beguin, A., Billard, J., Dubois, J.C., Nguyen Huu Tinh, Zann, A. Discotic mesophases potentialities 9—86680
Beguin, A., Dubois, J.C. Perfluoroaromatic liquid crystals 9—86679
Beguin, A. *see* Zann, A. 9—91337
Begum, S., Visscher, P.B. Discrete hydrodynamics: numerical results for the soft-sphere viscosity 9—90505
Begun, G.M., Compton, R.N. Electron collisions with XeF_2 9—72430
Begun, G.M. *see* Smith, F.J. 9—49845
Beh, R. *see* Kulprathipanja, S. 9—96285
Behaghel, J.M., Berthier, S., Lafait, J., Rivory, J. Chromium black coatings for photothermal conversion of solar energy. II. Optical properties 9—74545
Behannon, K.W. *see* Ness, N.F. 9—96956
Behar, J., Cardi, J.M., Herszberg, B., Hueber, D., Valette, C., Waysand, G. The development of a superconducting gamma camera 9—63330
Behar, M. *see* Baumvol, I.J.R. 9—78588, 9—82898
Behari, J., Andrabi, W.H. Magnetic field dependence of Hall-coefficient in bone—apatite 9—92248
Behbehani, A.H., Al-Naser, A.M., Brown, A.J., Green, L.L., James, A.N., Lister, C.J., Rammo, N.R.F., Sharpey-Schafer, J.F., Zybert, L.H., Zybert, R., Nolan, P.J. A comprehensive study of the γ-ray spectroscopy of ^{43}Ca 9—80896
Behbehani, A.H., Al-Naser, A.M., Green, L.L., James, A.N., Lister, C.J., Rammo, N.R.F., Sharpey-Schafer, J.F., Sheppard, H.M., Nolan, P.J. High-spin states in ^{43}K 9—67621
Behbehani, A.H. *see* Rammo, N.R.F. 9—59318
Behera, B., Panda, K.C., Satpathy, R.K. Simple parametrization of the energy density and calculations of the real part of the ion-ion interaction potential 9—93658
Behera, B., Satpathy, R.K. Energy per particle, effective mass and magnetic susceptibility in neutron matter 9—75885
Beheshti, A. *see* Bagnall, K.W. 9—76428
Behl, R.L. *see* Banerjee, M.B. 9—55312, 9—77128, 9—77286
Behm, R.J. *see* Christmann, K. 9—65311
Behncke, J., Schotte, K.D. Statistical mechanics of a one-dimensional system with exponentially repulsive interactions 9—55629
Behnetz, S., Herrstrom, N.-Y. A test of Katz's track formation theory on tracks of cosmic ray Be-Mg in nuclear emulsion 9—54754
Behnisch, H. Control of the quality of welded joints—A well chosen agenda for the Hannover Fair 1979 9—83415
Behnke, R. F layer height bands in the nocturnal ionosphere over Arecibo 9—66863
Behnke, W. A baroclinic model for the prediction of the vertical temperature and moisture stratification in the baroclinic boundary layer 9—53502
Behnke, W. *see* Pfeifer, F. 9—73779
Behnken, J.M. *see* Winkler, P.F., Jr. 9—53876
Behrens, J.A., Blankenship, G.W., Stokes, R.H. An onionskin composite as a transducer backing material 9—81675
Behrens, R., Jr. *see* Freedman, A. 9—74361
Behrens, W. *see* O'Keefe, D. 9—98350
Behringer, D.W. *see* Molinari, R.L. 9—79854
Behringer, K. Measurement of atom and molecule number densities in hydrogen arcs by means of VUV spectroscopy 9—94828
Behringer, K., Peier, W. Theoretical comparison between direct and polarity correlation techniques for a projected Gauss-Markovian process as related to an on-line reactivity meter 9—54528
Behringer, K. *see* Kosaly, G. 9—54530
Behringer, R.P. *see* Ahlers, G. 9—77074
Behrisch, R., Maderlechner, G., Scherzer, B.M.U., Robinson, M.T. The sputtering mechanism for low-energy light ions 9—56901
Behrisch, R. *see* Staudenmaier, G. 9—98983
Behrsing, G.U., Clark, D.J., Hoyer, E.H., Leemann, C.W., Voelker, F., Yourd, R.B. Cyclotron design studies for a medical ion accelerator 9—54661
Beiber, I. *see* Goldberg, R.M. 9—92410
Beica, T. *see* Nasta, L. 9—90542
Beichman, C.A., Becklin, E.E., Wynn-Williams, C.G. New multiple systems in molecular clouds 9—101180
Beichman, C.A. *see* Wolff, S.C. 9—71067
Beierwaltes, W.H. *see* Carey, J.E. 9—79660
Beierwaltes, W.H. *see* Freitas, J.E. 9—79634
Beierwaltes, W.H. *see* Wieland, D.M. 9—83910
Beig, R. Quantum statistics in a Robertson-Walker universe 9—88769
Beigang, R., Litfin, G., Schneider, R. Line shapes and half widths of pure- and foreign-gas-broadened 2.5-μm HF absorption spectra 9—89673
Beigel'zimer, Ya.Yu. *see* Kulesko, N.A. 9—76979
Beihn, R.M. *see* Krolikiewicz, H. 9—74738
Beijeren, H.van *see* van Beijeren, H.
Beijerinck, H.C.W. *see* Habets, A.H.M. 9—98762
Beilich, H.-R. *see* Fiedler, H. 9—69773, 9—82923
Beilin, V.M., Cherenkov, V.A. Low-temperature resistivity maxima in dilute Cu-Co-Fe alloys 9—87091
Beilin, V.M. *see* Cherenkov, V.A. 9—60788
Beilis, A., Tappert, F.D. Coupled mode analysis of multiple rough surface scattering 9—98527
Beille, J., Bloch, D., Towfiq, F., Voiron, J. The magnetic properties of $Fe_xCo_{1-x}Si$ and $Fe_xCo_{1-x}Ti$ alloys 9—56532
Beille, J., Towfiq, F., Voiron, J., Senateur, J.P. Magnetic properties of $Fe_xCo_{1-x}Ti$ and $Fe_xCo_{1-x}Si$ alloys 9—61120
Bein, M. *see* Yahalom, R. 9—67885
Beinusov, A.G., Khoze, A.N., Cherkas, A.Ya. Hydrodynamics of two-phase streams in narrow channels 9—81951
Beirens, L.C.M. *see* Brongersma, H.H. 9—95890
Beiser, L. Scanners 9—89921
Beissner, R.E. An anisotropic screening effect in the theory of electric field gradients in dilute alloys of simple metals 9—56177
Beisswenger, H., Brodt, F. Classification of oxide fuels and quality criteria for fuel elements 9—49812
Beitat, U. *see* Heiland, W. 9—69943
Beitel, J.C. *see* Barthold, W.P. 9—59123
Beitin, M.R., Berzin, Ya.Ya., Prokof'ev, P.T., Rotter, H., Heiser, H., Stary, F. Some states of ^{175}Lu and ^{176}Lu 9—75838
Beiting, E., III, Feldman, P.D. Ultraviolet spectrum of the aurora (2000-2800 Å) 9—70908
Beiting, E.J. The use of a concave grating in pulsed dye laser cavities 9—59721
Beiting, E.J., Hildebrandt, G.F., Kellert, F.G., Foltz, G.W., Smith, K.A., Dunning, F.B., Stebbings, R.F. The effects of 300K background radiation on Rydberg atoms 9—68271
Bejan, A. Note on Gill's solution for free convection in a vertical enclosure 9—50728
Bejan, A. Two thermodynamic optima in the design of sensible heat units for energy storage 9—57471
Bejan, A. On the boundary layer regime in a vertical enclosure filled with a porous medium 9—59908
Bejan, A., Chang-Lin Tien Natural convection in horizontal space bounded by two concentric cylinders with different temperatures 9—68698
Bejan, A., Tien, C.L. Laminar natural convection heat transfer in a horizontal cavity with different end temperatures 9—55383
Bejan, A., Tien, C.L. Laminar free convection heat transfer through horizontal duct connecting two fluid reservoirs at different temperatures 9—55421
Bejshekeev, G. *see* Bezrukov, O.F. 9—95197
Bek, R.Yu., Zelinskii, A.G. Diffuse capacitance minimum of polycrystalline silver 9—91969
Bekaddour, A. *see* Marche, P. 9—66764
Beke, D.L., Godeny, I., Kedves, F.J., Erdelyi, G. Connections between thermodynamic quantities and vacancy and diffusion characteristics in binary metallic solid solutions 9—95204
Beke, D.L., Reves, F., Kedvesh, F.I., Geden', I., Felserfalvi, I. Movement and kinetic forms of pores in the diffusion zone of the KCl-KBr system 9—69282
Beke, D.L. *see* Csanady, A. 9—57013
Beke, D.L. *see* Erdelyi, G. 9—51313
Beke, W.S.M. *see* Middelhoek, S. 9—49949
Bekebrede, W.R., Kestigian, M., Smith, A.B., Josephs, R.M. SmTmGa- and YSmTmGa-garnets for small-bubble applications 9—82845
Bekebrede, W.R. *see* Kestigian, M. 9—78458
Bekefi, G., Shefer, R.E. Stimulated Raman scattering by an intense relativistic electron beam subjected to a rippled electric field 9—98439
Bekefi, G. *see* Shefer, R.E. 9—89635
Bekenstein, J.D., Oron, E. Interior magnetohydrodynamic structure of a rotating relativistic star 9—71062
Bekeny, F.S. *see* Mathews, J.D. 9—100993
Bekeris, Yu.Ya., Kalnynya, R.P.K., Feltyn', I.A. On the model of relaxation of current in low-temperature-grown dielectric films 9—56342
Bekeshko, N.A. A comparison of the contact and contact-free methods of thermal inspection 9—70284
Bekeshko, N.A. Metrological provisions for thermal methods of inspection 9—100314
Bekhtenev, A.A., Volosov, V.I. Generation of a radial electric field in a rotating plasma 9—55480
Bekhtenev, A.A., Volosov, V.I. Plasma stability in the ambipolar trap 9—55535
Bekishev, K. *see* Parfenov, A.I. 9—66187
Bekk, K., Andl, A., Goring, S., Hanser, A., Nowicki, G., Rebel, H., Schatz, G. Laser spectroscopic studies of collective properties of neutron deficient Ba nuclei 9—72436
Bekker, F.F. Thermoelectric power and resistivity of Yb diluted in $Ag_{1-x}Au_x$ 9—65457
Bekrenev, A.N. Quantitative X-ray phase analysis of titanium alloys 9—52222
Bekritskaya, S.I. Experimental investigation of small-scale turbulence in shear flow 9—64643
Belabaev, K.G., Markov, V.B., Odulov, S.G. Photovoltaic effect in reduced crystals of lithium niobate 9—51635
Belabaev, K.G., Markov, V.B., Odulov, S.G. Photovoltaic effect in reduced lithium niobate crystals 9—69556
Belabaev, K.G. *see* Avakyan, E.M. 9—69806
Belai, G.E., Kolotilo, E.V., Shmelev, Yu.S., Vukelich, S.B., Volyushko, K.I. Electron-probe determination of traces of modifying agents in spheroidal graphite 9—52814
Belal, A., Rovsing, H., Thomsen, J. A review of the radiological anatomy of the round window 9—62332
Belan, N.V., Kovalevskaya, L.P., Mashtylev, N.A. Effect of the distribution of the elements in a capacitive energy store on the nature of the plasma current in a coaxial channel 9—86569
Belan, V.S. *see* Kamenskii, Yu.N. 9—57784
Belan, Yu.K. *see* Amelin, E.A. 9—67309
Beland, M. The evolution of a nonlinear Rossby wave critical level: effects of viscosity 9—58021
Belanger, G. *see* Baibich, M.N. 9—99535
Belanger, G. *see* Sugimoto, K. 9—100388
Belanger, P.A. *see* Bernard, P. 9—76726
Belannoy, B., Lasota, H., Bruneel, C., Torguet, R., Bridoux, E. The infinite planar baffles problem in acoustic radiation and its experimental verification 9—98520

Belanov, A.S., Dianov, E.M. Mode attenuation in mutimode three-layer fiber waveguides 9—59835
Belanov, A.S., Dianov, E.M., Prokhorov, A.M. Data transmission along quasisingle-mode three-layer optical waveguides 9—94360
Belanova, T.S. *see* Anufriev, V.A. 9—97709
Belapurkar, A.D., Iyer, R.M. Radiation chemical behaviour of iodoform in cyclohexane 9—52705
Belash, I.T., Antonov, V.E., Ponyatovskii, E.G. Solubility of hydrogen in iron, platinum, and their alloys at pressures of up to 67 kbar 9—51260
Belash, I.T. *see* Antonov, V.E. 9—65674, 9—69671, 9—91018
Belashchenko, G.I., Enyakov, A.M. Directional patterns of cylindrical ultrasonic hydrophones 9—81609
Belashchenko, G.I., Enyakov, A.M., Feshchenko, L.P., Chernikov, V.Z. Intrinsic noise of tangentially polarized cylindrical transducers 9—94441
Belashov, A.S. *see* Shstopal, Yu.T. 9—52526
Belaustegui, R.N. *see* Cordain, L. 9—70682
Belavin, A.A., Fateev, V.A., Schwarz, A.S., Tyupkin, Ya.S. Quantum fluctuations of multi-instanton solutions 9—58878
Belavtseva, E.M. *see* Belyaev, O.F. 9—50966
Bel'chenko, G.I., Gubenko, S.I. Microhardness of nonmetallic inclusions and the matrix of low-carbon steel 9—96127
Belcher, J.W. *see* McNutt, R.L., Jr. 9—96957
Bel'dyugin, I.M., Galushkin, M.G., Zemskov, E.M. Properties of resonantors with wavefront-reversing mirrors 9—86196
Bel'dyugin, I.M., Zemskov, E.M. Influence of changes in the pump field on the form of the field of a signal amplified under stimulated scattering conditions 9—59763
Belen'kii, A.Ya. Screening of hydrogen impurity in transition metals and lattice deformation 9—77611
Belen'kii, G.B. *see* Ishchenko, S.S. 9—99763
Belen'kii, G.L. Nature of three-dimensional electron states near the absorption edge of layer III-VI crystals 9—90960
Belen'kii, G.L., Alieva, L.N., Nani, R.Kh., Salaev, E.Yu., Shteinshraiber, V.Ya. Spectra of the lattice reflectivity of mixed III-VI crystals 9—69849
Belenkii, G.L., Godzhaev, M.O., Mamedov, N.T., Salaev, E.Yu., Suleimanov, R.A. The nature of energy bands of $A^{III}B^{VI}$ layered crystals near the absorption edge 9—83022
Belen'kii, G.L., Salaev, E.Yu., Suleimanov, R.A., Alieva, L.N. Energy spectrum of the A_3B_6 layer crystals 9—51483
Belen'kii, G.L. *see* Abdullaev, G.B. 9—65799
Belen'kii, G.L. *see* Alieva, L.N. 9—95777
Belen'kii, V.Z., Lyubitov, Yu.N. Investigation of the vaporization kinetics of a crystal, based on the monolayer statistical model of Kolmogorov. I 9—95151
Belen'kii, V.Z., Lyubitov, Yu.N. Investigation of the vaporization kinetics of a crystal, based on the monolayer statistical model of Kolmogorov. II 9—95152
Belen'kii, V.Z., Voronkov, V.V., Lyubitov, Yu.N. Nonstationary evaporation of single crystals. II. Phenomenological model 9—65328
Belen'kii, V.Z. *see* Lyubitov, Yu.N. 9—65327
Belenkova, M.M. *see* Mikheev, M.N. 9—83197
Belenov, E.M., Vedenev, S.I., Motulevich, G.P., Stepanov, V.A., Uskov, A.V. Investigation of the subharmonic structure of the volt-ampere characteristics of superconducting point junctions 9—51727
Beleslin, B. *see* Majic, V. 9—53164
Beletskii, N.N., Yakovenko, V.M. Excitation of surface electromagnetic waves in layer structures containing a semiconductor with a negative differential conductance 9—69543
Beletskii, V.M., Kishkina, S.I., Rublev, Ya.A. Sensitivity of specimens of high-strength aluminium alloy V93 to asymmetric application of axial load 9—66126
Beletskii, V.M., Krivov, G.A., Gnatyuk, A.D., Rudakov, L.V., Yatsenko, M.I. Endurance of sheet elements reinforced by butt straps of metallic composites 9—100262
Beletskii, Yu.I. *see* Pan, V.M. 9—78076
Beleva-Staikova, R., Pisanets, M., Dzhermakyan, A. Effect of ultrasound on the links of the biosynthesis of the porphyrins. I. Change in the level of the proto-, copro- and uroporphyrins after single exposure to ultrasound 9—62184
Belevtsev, A.A., Biberman, L.M. Influence of step ionization on the first Townsend coefficient 9—82117
Belevtseva, L.I. *see* Musatov, M.I. 9—50457
Belforte, G., De Mori, R., Ferraris, F. A contribution to the automatic processing of electrocardiograms using syntactic methods 9—62386
Belian, R.D. *see* Baker, D.N. 9—58194, 9—88548
Belianinov, Yu.N. *see* Klinger, M.I. 9—87385
Belic, M. *see* Jaric, M.V. 9—65586
Belica, H. Medical electronics in diagnostics, monitoring therapy 9—70689
Belichuk, N.I. *see* Biyushkin, V.N. 9—94998
Belichuk, N.I. *see* Gerasimov, V.I. 9—90641
Belik, V.P. *see* Amus, M.Ya. 9—59413
Belikov, E.G. *see* Bakunov, A.S. 9—79215
Belikova, T.P. *see* Baev, V.M. 9—53517
Belikovich, V.V., Benediktov, E.A., Getmantsev, G.G., Itkina, M.A., Terina, G.I., Tolmacheva, A.V. Ionospheric electron density measurement using radio wave scattering from artificial plasma inhomogeneities 9—75074
Belikovich, V.V., Benediktov, E.A., Terina, G.I. Formation of quasiperiodic artificial inhomogeneities in the ionosphere 9—84585
Belingardi, G., Genta, G., Gola, M. A study of the stress distribution in rotating, orthotropic discs 9—90127
Belinicher, V.I. Influence of the electron spin on the photogalvanic effect 9—69558
Belinska, A.A., Kalnynya, R.P., Feltyn, I.A. Ellipsometric studies of highly absorbing films on the surface of silicon 9—99964
Belinskii, M.I. *see* Fainzil'berg, V.E. 9—73850
Belinskii, V.A. An L-A-pair of coupled equations for the gravitational and electromagnetic fields 9—88859
Belinskii, V.A., Nikomarov, E.S., Khalatnikov, I.M. Investigation of cosmological evolution of viscous-elastic matter with causal thermodynamics 9—101232
Belinskii, V.A., Zakharov, V.E. Stationary gravitational solitons with axial symmetry 9—93030
Belintsev, B.N., Dibrov, B.F., Livshits, M.A., Vol'kenshtein, M.V. Non-linear stability in a distributed trigger system. Biological barrier 9—92117
Belitskus, D. Effects of coke and formulation variables on fracture of bench scale prebacked anodes for aluminium smelting 9—52371
Beljaars, A.C.M. The mechanism of turbulent interchanges 9—55365
Beljawska, H., Tomaszewski, A. Effects of errors in optical-density and energy-spectrum measurement on electron-photon cascade energy determination 9—84613
Beljawska, H. *see* Baiburina, S.G. 9—80156, 9—80170
Belkbir, L. *see* Gerard, N. 9—56071
Belkina, L.M., Bocharov, V.I., Lobachevskiy, L.A., Martin, R., Osipin, V.F., Sokolovskiy, V.I., Yagzhova, E.A. Energy spectra of signal-level fluctuations on long-distance radio paths 9—53629
Belkind, A., Aleksandrov, V.V., Brodskii, A. Quantum yield spherical dependence of photoelectron emission from tetracene monocrystlas in the near-threshold region 9—69954
Bel'kov, A.A., Bunyatov, S.A. Pion-pion s-wave scattering lengths 9—54358
Bel'kov, A.A., Bunyatov, S.A., Mukhin, K.N., Patarakin, O.O., Sidorov, V.M., Sulkovskaya, M.M., Sustavov, A.F., Yarba, V.A. $\pi\pi$-scattering phases from analysis of the reaction $\pi^-p\to\pi^-\pi^+n$ near the threshold 9—71763
Bel'kov, A.A., Bunyatov, S.A., Pervushin, V.N. Dispersion method of self-consistent description of $\pi\pi$ scattering in chiral symmetry 9—93459
Bel'kov, S.A., Tsytovich, V.N. Modulation excitation of magnetic fields 9—60107
Bell, A.B., Bell, D.M. Energy in a highly ordered universe 9—67145
Bell, A.E., Bartolini, R.A. High-performance Te trilayer for optical recording 9—50382
Bell, A.E., Swanson, L.W. Total energy distributions of field-emitted electrons at high current density 9—74066
Bell, A.T. Fundamentals of plasma chemistry [IC fabrication] 9—79252
Bell, A.T. *see* Sadhukhan, P. 9—87869
Bell, C., Reynolds, A.F. The EEG and chronic cerebellar stimulation: the utility of artifact 9—96643
Bell, C.A. *see* Derwent, R.G. 9—62552
Bell, C.R. Solar options in central europe 9—100495
Bell, D.A. No radio without displacement current 9—76558
Bell, D.A. *see* Harrison, I.R. 9—87870
Bell, D.M. *see* Bell, A.B. 9—67145
Bell, E.J., Slemmons, D.B. Recent crustal movements in the Central Sierra Nevada-Walker Lane region of California—Nevada. II. The Pyramid Lake right-slip fault zone segment of the Walker Lane 9—79839
Bell, E.J., Trexler, D.T., Bell, J.W. Computer-simulated composite earthquake hazard model for Reno, Nevada 9—88285
Bell, E.J. *see* Slemmons, D.B. 9—79838
Bell, G.D., Fryer, L.S. Preliminary examination of hazards arising from hypothetical failure of a long-term disposal facility for high level radioactive wastes from thermal reactors 9—54533
Bell, G.R. *see* Walter, P.F. 9—83367
Bell, J., Chung, A., Garnett, J.L., Gregor, I.K., Guilhaus, M. Versatile mass read-out system for magnetic sector mass spectrometers 9—67422
Bell, J., Cook, L.P. On the solutions of a nerve conduction equation 9—53082
Bell, J. *see* Ammosov, V. 9—71737
Bell, J. *see* Berge, J.P. 9—71741
Bell, J. *see* Efremenko, V.I. 9—75763
Bell, J.M. *see* Williams, E.W. 9—82501
Bell, J.P. *see* Sweet, G.E. 9—57130, 9—57131
Bell, J.S., Pasupathy, J. On duality between resonances and free quark-antiquark pairs 9—63448
Bell, J.T., Redman, J.D. Permeation of hydrogen isotopes in nickel 9—77823
Bell, J.W. *see* Bell, E.J. 9—88285
Bell, K., Blenkinsop, J., Berger, A.R., Jayasinghe, N.R. The Newport granite: its age, geological setting, and implications for the geology of northeastern Newfoundland 9—92534
Bell, K.J. *see* Sheets, H.A. 9—92066
Bell, K.W. *see* Brandelik, R. 9—63491, 9—93441
Bell, M., Calvetti, M., Carron, G., Chaney, J., Cittolin, S., Hauer, M., Herr, H., Krienen, F., Lebee, G., Mohl, D., Petersen, P.M., Petrucci, G., Poth, H., Rubbia, C., Simon, D., Stefanini, G., Tecchio, L., van der Meer, S., Wikberg, T. Antiproton lifetime measurement in the ICE storage ring using a counter technique 9—93413
Bell, M.E., Anderson, L.W. Application of television to the PSI model 9—92912
Bell, M.F. *see* von Alpen, U. 9—55922
Bell, M.I. *see* Iafrate, G.J. 9—91242
Bell, M.I. *see* Shaulov, A. 9—95711
Bell, M.J. *see* Collins, J.T. 9—54569
Bell, P.M. *see* Mao, H.K. 9—55870, 9—91888
Bell, P.M. *see* Yagi, T. 9—60336
Bell, P.S. *see* Lewis, M.H. 9—90559
Bell, R.A. *see* Dickens, R.J. 9—97000
Bell, R.A. *see* Gustafsson, B. 9—62827
Bell, R.J., Alexander, R.W., Ward, C.A. Comment on the optical properties of small particles and the quasistatic approximation 9—51927
Bell, R.O., Muller, J.C., Toulemonde, M., Stuck, R., Siffert, P. Effects of ruby laser pulses on virgin and amorphous silicon surface layers 9—69920
Bell, R.O., Toulemonde, M., Siffert, P. Calculated temperature distribution during laser annealing in silicon and cadmium telluride 9—74029
Bell, S.J., Culhane, J.L. NGC 4593—a bright Seyfert galaxy with variable X-ray emission 9—84856
Bell, T., Korotchenko, V. Plasma thermochemical treatment of steel 9—94823
Bell, T., Thomas, D.H. Cyclic stressing of gas nitrocarburized low carbon steel 9—57098
Bell, T.H. Syntectonic nucleation of new grains in deformed mica 9—65102
Bell, T.H. The development of slaty cleavage across the Nackara Arc of the Adelaide Geosyncline 9—66694
Bell, T.H. *see* Black, L.P. 9—57895
Bell, T.H., Jr. Mesoscale sea floor roughness 9—84216
Bell, T.K. *see* Cranley, K. 9—88195
Bell, W.A. *see* Meyer, W.L. 9—50480
Bell, W.L. *see* Kass, J.N. 9—83213
Bell, W.T., Ogilvie, A.E.J. Weather compilations as a source of data for the reconstruction of European climate during the medieval period 9—74929
Bell-Berti, F., Harris, K.S. Anticipatory coarticulation: some implications from a study of lip rounding 9—72764
Bellamy, L.J. Some wider uses of group frequencies 9—98057
Bellan, P.M. Spontaneous, three-dimensional, constant-energy implosion of magnetic mirror fields 9—98957
Belland, P., Crenn, J.P. Power scaling laws for CW HCN conventional Fabry-Perot lasers and comparison with CW HCN waveguide lasers 9—76715
Belland, P. *see* Bruneau, J.L. 9—72554
Belle, J. Properties of thoria-urania solid solutions 9—54506
Bellecci, C., Bonanno, A., Conti, M., La Rotonda, L., Visentin, R. Double-layer selective coating, high-temperature resistant, for the conversion of solar energy into heat 9—70463
Bellerose, B. *see* Winitz, H. 9—96537
Bellessa, G. *see* Duquesne, J.-Y. 9—55834
Bellet, J. *see* Dangoisse, D. 9—72304
Bellet, J. *see* Willemot, E. 9—93987
Belletti, M. *see* Armstrong, T.A. 9—85344
Belletti, S., Gallini, R.E., Magno, L. The effects of dose rate on hematopoietic stem cells: preliminary results 9—100674
Belleval, J.F.de *see* de Belleval, J.F.
Belleville, M. *see* Benabid, A.L. 9—57804
Belli, Y., Kubarych, K., Okada, M., Mishra, R., Thomas, G. The effects of V and V+Ti on the magnetic and mechanical properties of Fe-Cr-Co hard magnets 9—91810
Bellicard, J.B. *see* Platchkov, S.K. 9—93541
Bellin, J.L. *see* Knollman, G.C. 9—57180
Bellini, S., Piacentini, M., Cafforio, C., Rocca, F. Design of a computerized emission tomographic system 9—53276
Bellini, S., Piacentini, M., Cafforio, C., Rocca, F. Compensation of tissue absorption in emission tomography 9—70686
Bellissard, J. A remark about the duality for non-Abelian lattice fields 9—93280

Bellissent-Funel, M.-C., Roth, M., Desre, P. Small angle neutron scattering on liquid Ag-Ge alloys 9—64982
Bellobono, I.R., Marcandalli, B., Massara, R., Guaschino, L. Electrolyte permeation and electrical permittivity of polymer-coated steel as related to corrosion of the substrate 9—96175
Bellocq, A.M., Biais, J., Clin, B., Lalanne, P., Lemanceau, B. Study of dynamical and structural properties of microemulsions by chemical physics methods 9—79308
Bellocq, A.-M., Biais, J., Bourbon, D., Clin, B., Lalanne, P., Lemanceau, B. Water dodecane-sodium-octylbenzene sulphonate pentanol 9—82339
Bellomo, G., Fabrici, E., Resmini, F. Injection studies for the K=800 superconducting cyclotron at MSU 9—54616
Bellomo, G., Resmini, F. A method for minimizing trim coil power requirements in superconducting cyclotrons 9—54665
Bellomo, G. *see* Acerbi, E. 9—54659, 9—54669
Bellomo, G. *see* Resmini, F. 9—54664
Bellomo, N., Monaco, R. Mathematical models for the time-evolution of stochastic systems in two-phase flow 9—64739
Bellomo, N., Pistone, G. Dynamical systems with a large number of degrees of freedom: a stochastic mathematical analysis for a class of deterministic problems 9—75455
Bellon, A., Austin, G.L. The evaluation of two years of real-time operation of a short-term precipitation forecasting procedure (SHARP) 9—88443
Belloni, J., Billiau, F., Saito, E. Ultraviolet absorption of the solvated electron in ammonia and deuteroammonia solutions 9—87935
Bellotti, E. *see* Armenise, N. 9—93397, 9—93398
Bellucci, F., Drioli, E., Summa, F.G., Gaeta, F.S., Mita, D.G., Pagliuca, N. Thermodialysis of non-ideal aqueous solutions. An experimental study 9—96366
Bellum, J.C., George, T.F. Collisional ionization in the presence of intense laser radiation: quantum-mechanical calculations for $He^*(^3S)+Ar\pm\hbar\omega\rightarrow He+Ar^+(^2P)+e^-$ 9—76497
Bellum, J.C. *see* McGuire, P. 9—98203
Bellyustin, N.S. Linear interaction of electromagnetic waves in an inhomogeneous magnetoactive plasma 9—94802
Belmont, J.L., Lieuvin, M., Loiseaux, J.M. Status of the separated sector booster at Grenoble 9—54634
Belmont, M.R., Greenough, C. Tunnelling from dipolar centres 9—95420
Beloborodko, B.S. *see* Belyaevskii, A.I. 9—84597
Beloborodova, E.A. *see* Shlapak, A.N. 9—95165
Belobragin, Yu.A. *see* Serdykin, F.V. 9—96081
Belobrov, P.I., Berman, G.P., Zaslavskii, G.M., Slivinskii, A.P. Stochastic mechanism of excitation of molecules interacting with their own radiation field 9—85955
Belobrova, I.A. *see* Moskalev, A.K. 9—69791
Beloded, R.M. *see* Pilyankevich, A.N. 9—49340
Beloglazov, M.I. Heights of the region essential for VLF propagation in the auroral zone 9—53631
Beloglazov, M.I. *see* Beloglazova, G.P. 9—53620
Beloglazova, G.P., Beloglazov, M.I. Recording polar cap absorption using ULF 9—53620
Belogolovskii, M.A. *see* Svistunov, V.M. 9—51726
Belogurov, D.A., Vishnyakov, Yu.S. Simple method of taking systematic errors into consideration in the measurement of induced birefringence in anisotropic crystals 9—99848
Belogurov, V., Bondars, H., Lapenas, A., Reznikov, R., Senkov, P. Tangential channel for nuclear gamma-resonance spectroscopy by thermal neutrons capture 9—67819
Belokon', M.V. *see* Adamushko, A.V. 9—52831
Belokon', S.A. *see* Andrianov, D.G. 9—73672
Belokoneva, E.L., Garanin, V.K., Kudryavtseva, G.P., Simonov, M.A., Belov, N.V. Crystal structure of ilmenite from Yakutsk kimberlites 9—86769
Belokoneva, E.L. *see* Petrova, I.V. 9—86770
Belokoneva, E.L. *see* Simonov, M.A. 9—86763
Belokoneva, E.L. *see* Sturua, G.I. 9—90628
Belokopytov, V.A. *see* Pevnev, A.K. 9—79792
Belokurov, V.N. *see* Filatov, E.Ya. 9—83428
Belomestnyi, V.A., Kalyuzhnyi, A.D., Saikin, V.N., Yurovitskii, L.E. Interference resistance of manometer-type equipment for measuring airtightness 9—52598
Belopol'skaya, T.V., Sochava, I.V. Calorimetric study of the fusion of the liquid crystalline structure of solutions of poly-γ-benzyl-L-glutamate 9—53022
Belorusets, E.D., Imamov, E.Z. Absorption of light and drag effect due to two-photon transitions from deep neutral impurity centers in semiconductors with a many-valley energy spectrum 9—91478
Belorusets, E.D. *see* Baltenkov, A.S. 9—73470
Belorusets, E.D. *see* Grinberg, A.A. 9—65411, 9—69469
Beloshapka, N.I., Kazimirchik, Yu.A. Device for determining the mechanical strength of abrasive particles 9—87781
Beloshapkin, V.V. *see* Zhidkov, L.G. 9—94056
Belosludov, V.R., Vlasova, A.A., Nabutovskii, V.M., Shneider, V.E. Thermodynamics of interacting linear spin chains with an asymmetric potential 9—93074
Belostotsky, S.L. *see* Alkhazov, G.D. 9—80938
Belotserkovskii, D.Yu., Il'in, V.G., Nazarov, K.I., Fedorov, Yu.A., Cherenkov, G.T. The USSR time and frequency state service 9—93103
Belotserkovskii, K.B. *see* Laurinavichyus, A.B. 9—80588
Belotserkovskii, O.N., Mitnitskii, V.Ya. Some exact solutions of the problem of a magnetic dipole surrounded by an infinitely conducting medium 9—77174
Belotserkovskii, S.M., Vasin, V.A., Loktev, B.E. Nonlinear mathematical simulation of unsteady flow past a helicopter rotor 9—86442
Belotserkovskiy, O.M., Yanitskiy, V.Ye. Statistical modeling of flows of ideal monatomic gases 9—98753
Belotserkovskiy, S.M., Nishť, M.I. Modeling of turbulent wakes in ideal fluids 9—98732
Belotskaya, A.A., Tikhonov, L.V., Khar'kova, G.V. The dynamic interaction of screw dislocations with flat clusters of dislocations on other slip planes 9—86800
Belotskii, D.P., Babyuk, P.F., Chervenyuk, G.I. Solid solutions in the system InSb-HgTe 9—51570
Belotskii, D.P., Kotsyumakh, M.P., Dundich, M.S., Makhova, M.K., Franchuk, V.I., Lesina, N.V. The system In-Sb-Cd 9—87617
Belouet, C. Vapour growth in a microgravity environment 9—83131
Belous, A.G. *see* Bush, A.A. 9—51913
Belous, N.A., Lezhnenko, I.V., Pan, V.M., Rudenko, E.M. Double-peak structure in Nb-I-Pb junctions 9—82716
Belous, V.A. *see* Strel'nitskii, V.E. 9—90924
Belousov, A.N., Knysh, Yu.A., Lanskii, A.M. Characteristics of swirled flow in swirl injector passage 9—86444
Belousov, I.V., Oleinik, V.P. Restructuring of the energy spectrum and light absorption in a semiconductor in an intense electromagnetic field 9—56111
Belousov, M.V., Pavinich, V.F. Infrared reflection spectra of monoclinic crystals 9—78676
Belousov, M.V., Pogarev, D.E. Giant anomaly of the intensity of vibrations of an isotropic impurity in an SiF_4 crystal 9—73276
Belousov, M.V. *see* Pavinich, V.F. 9—99877
Belousov, O.K. *see* Erkhim, V.A. 9—100216
Belousov, V.I. *see* Bykovskii, Yu.A. 9—83532
Belousov, V.I. *see* Gladskoi, V.M. 9—55596
Belousov, Y.I., Demidov, E.F. Sun radiance reflected from the rough sea surface in the infrared 9—84477
Belousova, E.I., Karnaushenko, N.N., Latun, V.S., Novoselov, A.A. Complex research in the north-western sector of the South Atlantic 9—100862
Belousova, I.M., Danilov, O.B., Zhevlakov, A.P., Kiselev, V.M. Flashtube-pumped photodissociation laser with improved characteristics 9—76712
Belousova, I.M., Liukonen, R.A., Leonov, S.N. Vibrational excitation rate levels and energy balance in an electrical-discharge carbon monoxide laser 9—81413
Belousova, I.M. *see* Antonov, A.S. 9—72558
Belousova, V.V., Bomshtein, I.S., Chashin, B.B. Determining eddy-field sources with utilization of the magnetic scalar potential method 9—81326
Belov, A.D., Vilim, Yu.V., Kaznacheeva, G.V. Effect of chalcogens and bismuth on the mechanical properties of stainless steel 9—83312
Belov, A.G., Svishchev, V.N., Fugol, I.Ya., Yurtaeva, E.M. Quasi-line emission of solid Ne in transitions between excited states 9—91494
Belov, A.G. *see* Fugol, I.Ya. 9—87481
Belov, A.V., Bubnov, M.M., Gur'yanov, A.N., Devyatykh, G.G., Dianov, E.M., Prokhorov, A.M., Rusanov, S.Ya., Ushin, A.S. Drawing of glass-fiber waveguides using CO_2 lasers 9—59857
Belov, A.V., Dianov, E.M. Investigation of the dependence of the overall losses in glass-fiber waveguides on the coupling-in angle of the radiation 9—98504
Belov, A.V., Gushchina, R.T., Dorman, L.I., Eroshenko, E.A., Inozemtseva, O.I. Modulation of cosmic rays in interplanetary space, and solar activity 9—80135
Belov, G.P., Viktorova, N.L., Marikhin, V.A., Masalimov, K.T., Musaelyan, I.N., Myasnikova, L.P. The effect of branching on the structure and mechanical properties of polyethylene 9—52333
Belov, I.A., Ginzburg, I.P., Gorshkov, G.F., Terpigor'yev, V.S. Flow behavior and heat exchange between a low-temperature plasma jet and a baffle 9—98774
Belov, K.P., Svirina, E.P., Portugal, O.E., Lukina, M.M., Sotnikova, V.I. Metal-semiconductor transition at the Curie point of an $La_{0.71}Pb_{0.29}MnO_3$ single crystal 9—73554
Belov, K.P., Zvezdin, A.K., Kadomtseva, A.M., Krynetskii, I.B., Mukhin, A.A. Metamagnetic phase transitions and instability of the magnetic structure in the rare earth orthoferrites 9—61107
Belov, K.P., Zvezdin, A.K., Mukhin, A.A. Magnetic phase transitions in terbium orthoferrite 9—61105
Belov, N.V., Volkov, N.I., Del'tsov, V.S., Frolov, I.P. Test bed for measuring long-term strength 9—70253
Belov, N.V. *see* Belokoneva, E.L. 9—86769
Belov, N.V. *see* Biyushkin, V.N. 9—94998
Belov, N.V. *see* Bokii, G.B. 9—60304
Belov, N.V. *see* Bondareva, O.S. 9—82192, 9—86765
Belov, N.V. *see* Chuprunov, E.V. 9—60296, 9—90638
Belov, N.V. *see* Gerasimov, V.I. 9—90641
Belov, N.V. *see* Ilyukhin, V.V. 9—55723
Belov, N.V. *see* Ivanov, Yu.A. 9—86771
Belov, N.V. *see* Kalinin, V.R. 9—77585
Belov, N.V. *see* Karaev, K.Sh. 9—60349
Belov, N.V. *see* Kazanskaya, E.V. 9—86764
Belov, N.V. *see* Kuskov, V.I. 9—94994
Belov, N.V. *see* Leonyuk, N.I. 9—86731
Belov, N.V. *see* Maksimov, B.A. 9—90626
Belov, N.V. *see* Merinov, B.V. 9—77583
Belov, N.V. *see* Nevskii, N.N. 9—82191, 9—86766, 9—90627, 9—90629, 9—94983
Belov, N.V. *see* Pavlov, P.V. 9—87629
Belov, N.V. *see* Petrova, I.V. 9—77581, 9—86770
Belov, N.V. *see* Plakhov, G.F. 9—55722
Belov, N.V. *see* Potekhin, K.A. 9—86785, 9—90639, 9—90640
Belov, N.V. *see* Puschcharovskii, D.Yu. 9—90624
Belov, N.V. *see* Pushcharovskii, D.Yu. 9—60301, 9—77582
Belov, N.V. *see* Saf'yanov, Yu.N. 9—60340, 9—86772
Belov, N.V. *see* Sergeev, V.M. 9—87514
Belov, N.V. *see* Simonov, M.A. 9—86763, 9—86768
Belov, N.V. *see* Smirnova, N.L. 9—86737
Belov, N.V. *see* Sokolov, Yu.A. 9—90577, 9—90631
Belov, N.V. *see* Sokolova, E.V. 9—86775
Belov, N.V. *see* Soldatov, E.A. 9—84939, 9—84941, 9—86652, 9—94840
Belov, N.V. *see* Sturua, G.I. 9—90628
Belov, N.V. *see* Tarkhova, T.N. 9—51097
Belov, N.V. *see* Treushnikov, E.N. 9—90595
Belov, N.V. *see* Zakharov, L.N. 9—65068
Belov, N.V. *see* Zvezdinskaya, L.V. 9—60303, 9—90591
Belov, S.N. Axial distribution of plasma parameters in a capillary discharge with a vaporizing wall 9—64943
Belov, S.N., Zhilin, A.N., Ogurtsova, N.N., Podmoshenskii, I.V. Magnetogasdynamic regime of a high-current capillary discharge 9—86628
Belov, V.K. Experimental study of shell stability under heating and loading 9—94518
Belov, V.M. *see* Shishov, E.V. 9—86415
Belov, V.N. *see* Chaika, M.P. 9—76381
Belov, V.P. *see* Baldin, A.M. 9—72125
Belov, V.V., Krekov, G.M. Effect of multiple scattering on the point-spread functions and modulation-transfer functions of the aerosol atmosphere in the problems of space-meteorological photography 9—66792
Belova, L.A. *see* Sokolov, V.I. 9—57064
Belova, N.S., Shuraleva, E.I. Radiation-induced deformation effects in alkali halide whiskers 9—52022
Belova, O.S. *see* Likhachev, V.A. 9—61650
Belova, V.V. *see* Kabanov, V.A. 9—92120
Belovintsev, K.A. *see* Alferov, D.F. 9—72174
Belovitskii, G.E., Presnyak, O.S. Excitation of isobar-like states in the Pb^{207} nucleus by neutrons 9—75855
Belovitskii, G.N., Presnyak, O.S., Sukhov, L.V. Energy dependence of the reaction (n,p) on the isotopes $^{206,208}Pb$ for E_n=13.4-20.3 MeV 9—75989
Belovolov, M.I. *see* Alferov, Zh.I. 9—64346
Below, G.P. *see* Optow, W.A. 9—99347
Belozerov, E.V. *see* Shur, Ya.S. 9—70176
Belozerov, V.I. *see* Petrov, V.P. 9—98724
Belozerova, M.A. *see* Agekyan, T.A. 9—92814
Belozerskii, G.N., Pavlov, B.S. Motion of the magnetization vector of superparamagnetic particles in the stationary case 9—56494
Belozerskii, G.N., Pavlov, B.S. Method of estimation of relaxation frequencies for magnetization vector movement in the case of superparamagnetic particles 9—95610
Belrose, J.S. *see* Montbriand, L.E. 9—75023
Belserene, E.P. Probable nova in Sagittarius 9—101164
Belshe, R.A. *see* Chao, A.W. 9—72208
Bel'skii, A.M., Nesterenko, T.M., Khapalyuk, A.P. Structure of the radiation field of a Fabry-Perot resonator filled with an active medium with quadratic inhomogeneities 9—55157

Bel'skii, V.K. *see* Chetkina, L.A. 9—86783
Belsky, J.L. *see* Ichimaru, M. 9—57722
Belsnes, D., Noodt, T. Communication systems 9—89576
Belson, J., Wilson, I.H. Changes in annealing behaviour of SiO_2 on Si resulting from H_2^+ and D_2^+ ion bombardment 9—78185
Belt, T.G.M.van den *see* van den Belt, T.G.M.
Belton, G.R. On the rate limiting step in the decarburization of the iron droplets in an oxidizing slag 9—56944
Belton, M.J.S. *see* Kumar, A.L. 9—96970
Belton, P.S. An ^1H pulsed NMR study of some amorphous silicate hydrates 9—78555
Beltran-Lopez, V. *see* Eidels-Dubovoi, S. 9—78511
Bel'tyugov, V.N., Vertoprakhov, V.V., Troitskii, Yu.V. A simple diffraction mode selector 9—89951
Beltzer, A. A dynamic model for elastic wave propagation in a material containing rigid spheres 9—51199
Beltzer, A.I. The influence of porosity on vibrations of elastic solids 9—86372
Belu, A. A phenomenological interpretation of elastoresistive effects in amorphous Ge 9—60838
Belubekyan, E.V., Gnuni, V.Ts., Kizokyan, L.O. Optimizing the strength of anisotropic laminated plates within the supercritical range 9—59934
Belushkina, A.A., Ershov, V.P., Fimushkin, V.V., Gaj, G.I., Kotova, L.S., Pilipenko, Yu.K., Smelyansky, V.V., Valevich, A.I. The cryogenic source 'Crypol 2' of polarized hydrogen and deuterium atoms 9—63324
Belvedere, L.V., Swieca, J.A., Rothe, K.D., Schroer, B. Generalized two-dimensional Abelian gauge theories and confinement 9—71605
Belyaev, A.A., Ivanenko, I.P., Makarov, V.V. Cerenkov radiation from electron-photon showers proceeding in water 9—80861
Belyaev, A.D. *see* Morozov, A.I. 9—73547
Belyaev, A.E., Gorodnichii, O.P. On the necessity of allowing for intervalley scattering of electrons in gallium phosphide 9—95407
Belyaev, A.K., Devdariani, A.Z. Temperature dependence of the rate constant for nonadiabatic processes. The Landau-Zener model 9—64064
Belyaev, A.P. *see* Aleksakhin, Yu.I. 9—64166
Belyaev, B.A., Frolov, G.I. Generation of a constant EMF in a multilayer structure consisting of a semiconductor, a dielectric, and a magnetic film 9—69583
Belyaev, B.N., Vasilenko, S.S., Karazhanova, G.I., Pautov, A.I. E0-transitions in ^{106}Pd 9—75894
Belyaev, E.B., Godlevskii, A.P., Kopytin, Yu.D. Laser spectrochemical analysis of aerosols 9—92040
Belyaev, F.N., Bolotskii, V.P., Borovlev, S.P. Determination of spins of neutron resonances of ^{183}W 9—80870
Belyaev, G.I., Dashuk, P.N., Chistov, E.K. Ignition of a pulsed Θ-pinch in a single-turn solenoid 9—55538
Belyaev, G.V., Gurov, K.P., Izraileva, L.K., Kolomiitsev, L.M. On numerical analysis for kinetics of space charge formation in dielectric films of multilayer structures as affected by irradiation 9—78243
Belyaev, N.A. *see* Emel'yanenko, N.Yu. 9—92725
Belyaev, N.A. *see* Emel'yanenko, V.V. 9—92724
Belyaev, O.F., Belavtseva, E.M., Zelenev, Yu.V. Small-angle electron diffraction in electron microscopes (review) 9—50966
Belyaev, R.A. *see* Pozdnyak, N.Z. 9—61533
Belyaev, S.V., Blinov, L.M. Stepped unwinding of a cholesteric liquid crystal helix 9—90548
Belyaev, S.V., Blinov, L.M., Kizel', V.A. Observation of high order Bragg light reflections from a cholesteric liquid crystal, induced by an electric field 9—51932
Belyaev, S.V. *see* Barnik, M.I. 9—55803
Belyaev, V.A., Biryulin, Yu.F., Bondarev, A.D., Leonov, E.I., Lupal, O.A., Shmartsev, Yu.V. Optical properties of neodymium-doped bismuth silicate $Bi_{12}SiO_{20}$ 9—74001
Belyaev, V.B., Moller, K., Simonov, Yu.A. A theoretical investigation of the bound states and resonances in the NΔ system 9—75749
Belyaev, V.B., Wrzecionko, J., Sakvarelidze, M.I. Calculation of low-energy pion-^{3}He scattering 9—54459
Belyaev, V.B., Wrzecionko, J., Sakvarelidze, M.I. New approach to low energy π-He^3-scattering 9—76033
Belyaev, V.M. *see* Kazanskaya, V.F. 9—50176
Belyaev, V.S. *see* Ablekov, V.K. 9—55142
Belyaev, V.V., Chigrinov, V.G. The switching dynamics of nematic liquid crystals with low-frequency dispersion of the dielectric anisotropy 9—56708
Belyaev, V.V., Chigrinov, V.G. Dynamics of the twist effect in nematic liquid crystals: Relaxation of angle of inclination of molecules 9—60276
Belyaev, Yu.N., Monakhov, A.A., Yavroskaya, I.M. Stability of spherical Couette flow in thick layers when the inner sphere revolves 9—81969
Belyaev, Yu.N. *see* Babin, A.A. 9—72629
Belyaeva, A.I., Egiazaryan, G.S., Potakova, V.A., Silaev, V.I. Effect of concentration of Co ions on the magnetic properties of ferrite-garnet epitaxial films close to the magnetic compensation point 9—73788
Belyaeva, E.V. *see* Andreeva, L.N. 9—65835
Belyaeva, G.M. Optimal parameters of a satellite gravitational stabilization system, allowing for atmospheric resistance 9—62715
Belyaeva, O.V., Nikolaov, V.A., Timofeev, B.D. Investigation of the velocity of sound in, and calculation of the density of, liquid nitrogen tetroxide 9—59863
Belyaevskaya, N.M. *see* Alekseeva, I.P. 9—78677
Belyaevskii, A.I., Bokov, V.L., Bocharkin, V.K., Bugakov, I.F., Gorodinskii, E.M., Kruglov, E.M., Myakinin, E.V., Pyatigorskii, G.A., Chuikin, E.I., Yuferev, V.S., Shibanov, Yu.A., Kolesnikova, E.N., Beloborodko, B.S. Hard gamma radiation from the central part of the Galaxy and diffuse background in accord with the data of the 'Kosmos-561' satellite 9—84597
Belyak, A.F. *see* Pashinkin, A.S. 9—83183
Belyak, L.F., Kartmazov, G.N., Kogan, V.S., Kostritsa, T.V., Krivchikova, E.P. Structural transformations in aluminium-coated and chromium-coated steel Kh25N20S2 9—57154
Belyak, V.I. Boundary conditions in the model of a strongly absorbing nucleus 9—71825
Belyakov, L.N. $\alpha \rightarrow \gamma$ transformation in maraging steels and austenite stabilisation 9—52212
Belyakov, L.V., Goryachev, D.N., Ryvkin, S.M., Sreseli, O.M. Resolution of the process of anodic etching of semiconductors 9—74276
Belyakov, V.A., Litunovsky, R.N., Minyaev, O.A., Korolev, L.E. Study of beam parameters of 240-cm isochronous cyclotron 9—54717
Belyakov, V.A., Vasil'ev, R.F., Fedorova, G.F. Excitation of chemiluminescence as the converse of radiationless deactivation. Influence of temperature on the yield of chemical excitation of ketones during the oxidation of organic materials 9—87846
Belyakov, V.A., Vasil'ev, R.F., Fedorova, G.F. Effect of viscosity and temperature on triplet-triplet energy transfer from ketones under chemical excitation in solution 9—87847
Belyakov, V.A. *see* Basargin, Yu.G. 9—54628
Belyakov, V.A. *see* Smirnov, E.V. 9—69760
Belyakov, V.V., Grigor'ev, V.A., Lavdanskii, P.A., Remeiko, O.A., Khokhlov, V.F. Calculation of shielding made of concrete with an increased hydrogen content 9—71922
Belyakova, G.I. *see* Andreev, L.N. 9—75591
Belyakova, M.N. *see* Larikov, L.N. 9—87666
Belyakova, N.P. *see* Ignatova, T.S. 9—83244
Belyaletdinov, I.F., Borodulin, V.I., Zverkov, M.V., Zolotov, E.M., Konyaev, V.P., Pashko, S.A., Pelekhatyi, V.M., Prokhorov, A.M. Optical waveguide in GaAlAs-GaAs heterostructure 9—72706
Belyanin, A.L. *see* Bashkirov, Sh.Sh. 9—78593
Belyanin, N.M. Calculation of flow stagnation without separation in the presence of suction 9—68676
Belyanin, V.S. Application of the asymptotic method to the analysis of chemically nonequilibrium gas flows 9—86529
Belyantsev, A.N., Yulpatov, V.K. Negative high-frequency conductivity of media having a nonuniform distribution of mobility in crossed E and H fields 9—82619
Belyatskas, R. *see* Grigas, I. 9—99839
Belyavina, N.N., Markiv, V.Ya. Investigation of phase equilibria in Hf-Zr-Ga and Hf-Nb-Ga systems at 800°C 9—95998
Belyavina, N.N., Markiv, V.Ya., Pilyavs'kii, V.S. Crystal structure of the Zr_2CoGa_3 compound and its analogues 9—51049
Belyavskii, V.I. Optical absorption by impurities in a semiconductor with a superlattice 9—69867
Belyi, I.M., Komarov, F.F., Tishkov, V.S., Yankovskii, V.M. Formation of chemical compounds accompanying ion bombardment of thin films of transition metals Cr, Ni, Mo 9—73225
Belyi, L.I. *see* Kharchenko, N.F. 9—61349
Belyi, M.I. *see* Mishin, V.A. 9—97378
Belyi, M.U., Boiko, V.V., Ermolenko, G.I. Temperature studies of molecular centers with symmetries C_{2v}, C_{3v}, and $C_{\infty v}$ in alkali halide crystals 9—99863
Belyi, M.U., Ermolenko, G.I., Kulik, L.V., Maksin, V.I., Perepelitsa, A.P. Investigation of the fluorescence of double molybdates and tungstates of europium, dysprosium, and erbium with thallium 9—56848
Belyi, M.U., Kushnirenko, I.Ya., Pervak, Yu.A. Absorption spectra of solutions of halides containing CrO_4^{2-}, MoO_4^{2-}, MnO_4^- and ReO_4^- molecular anion impurities 9—87467
Belyi, M.U., Zakharchenko, I.V., Okhrimenko, B.A. Investigation of the spectral characteristics of bismuth complexes using a strobing method. III 9—78753
Belyi, N.M., Gorban', I.S., Gubanov, V.A., Lysenko, V.G., Revenko, V.I., Sushkevich, T.N., Frizel', V.V. Influence of strong excitation on the exciton spectra of PbI_2 crystals 9—69433
Belyi, N.M., Gorban', I.S., Gubanov, V.A., Salivon, G.I., Sushkevich, T.N., Frizel', V.V. Raman scattering of light in SnI_2 single crystals 9—73950
Belyi, N.M. *see* Angert, N.G. 9—69842
Belyi, N.N., Baryshev, N.S., Tarasova, I.M., Panasenko, B.V. Effect of surface condition on spectral distribution of photosensitivity of $Cd_xHg_{1-x}Te$ single crystals 9—78136
Belyi, V.A., Smurugov, V.A., Sviridenok, A.I., Savkin, V.G. Molecular interaction of polymers in a frictional-contact zone 9—78688
Belyi, V.E. *see* Shcherbinskii, V.G. 9—52567
Belyi, V.I., Nekoz, A.I., Pinchuk, V.G., Preis, G.A. Dislocation structure of nickel after cavitation-erosion in chemically- and surface-active environments 9—52384
Belyi, V.N., Khatkevich, A.G. Diffraction of light by ultrasound in acoustically gyrotropic crystals 9—56765
Belyi, V.N. *see* Lugina, A.S. 9—50352, 9—55181
Belyi, Ya.I., Bolotin, V.A., Voronkov, E.O., Rossikhin, V.V. Remarks on the selection of a model of the structural element of silicate glasses in calculations of physicochemical properties 9—69016
Belykh, S.F., Veksler, V.I., Evtukhov, R.N., Kudryashova, L.B., Tsipinyuk, B.A. Transient emission of a continuous photon spectrum by products of cathodic sputtering of tantalum bombarded with cesium ions 9—74046
Belykh, Yu.A. *see* Veksler, Yu.G. 9—57025
Belysheva, L.Yu. *see* Golubev, L.I. 9—97833
Belytschko, T.B. *see* Ash, J.E. 9—54551
Belz, R.A., Menzel, R.W. Particle field holography at Arnold Engineering Development Center 9—76642
Belzons, M., Blanc, R. Electrical resistance of dilute MgFe and MgMn alloy films deposited at low temperature 9—60815
Bembinek, Yu.E. *see* Timoshenko, N.N. 9—87770
Bemer, G.G. Light backscattering as an on-line method for determining high slurry concentrations and large particle sizes 9—58674
Ben Jacob, E., Imry, Y. Solitary phenomena in dissipative driven Josephson junctions 9—56429
Ben Rais, A., Guitton, J., Bertoncelli, B., Spender, P., Buttoudin, R. Anodic attack of aluminium in chloride medium. II. Study of the reversibility of the rupture of passivity 9—96224
Ben Taarit, Y. ^{13}C NMR investigation of the structure of cationic carbonyls in transition metal zeolites 9—52751
Ben Youssef, A. *see* Boccara, N. 9—61121
Ben-Abraham, S.I. Squint—a nonlinear feature of flow patterns in nematics 9—94876
Ben-Aim, R.I. *see* Legrand, J.C. 9—52648
Ben-Artzi, M., Devinatz, A. Spectral and scattering theory for the adiabatic oscillator and related potentials 9—58568
Ben-Aryeh, Y. *see* Ruschin, S. 9—89875
Ben-David, S. *see* Roach, F. 9—57446
Ben-Dor, G., Glass, I.I. Domains and boundaries of non-stationary oblique shock-wave reflexions. I. Diatomic gas 9—68746
Ben-Dor, L., Shilo, I., Felner, I. Some new results and interpretations concerning the sytems $FeYb_2S_4$ 9—77572
Ben-Dov, M. *see* Walker, P.S. 9—92431
Ben-Galim, E. *see* Matthews, D.E. 9—79694
Ben-Joseph, B. *see* Bar-Cohen, Y. 9—70289
Ben-Naim, A. Statistical mechanics of aqueous fluids 9—60250
Ben-Naim, A. *see* Wilf, J. 9—66333
Ben-Reuven, A., Rabin, Y. Theory of resonance scattering and absorption of strong coherent radiation by thermally relaxing multilevel atomic systems 9—81401
Ben-Reuven, A. *see* Rabin, Y. 9—68374
Ben-san Zou *see* Zou Ben-san
Ben-Shaul, A. *see* Feldmann, T. 9—76491
Ben-Yosef, N., Tirosh, E., Weitz, A., Pinsky, E. Television system for the measurement of atmospheric OTF degradation 9—92590
Ben-you Yang *see* Yang Ben-you
Ben-yu Guo *see* Guo Ben-yu
Ben-yuan Gu *see* Gu Ben-yuan
Ben-zvi, I. Ion acceleration by superconducting resonators 9—54623
Ben-Zvi, I., Bernstein, D., Birk, M., Feldman, H., Gal, Y., Sokolowski, J.S. Subnanosecond chopper-buncher system for heavy ions 9—72159
Ben-Zvi, R. *see* Hofstein, A. 9—48985
Benabid, A.L., Balme, L., Persat, J.C., Belleville, M., Chirossel, J.P., Buyle-Bodin, M., de Rougemont, J., Poupot, C. Electrical impedance brain scanner: principles and preliminary results of simulation 9—57804
Benada, J. *see* Randa, Z. 9—57332
Benadik, A. *see* Becvar, J. 9—100101
Benard, C., Body, Y., Wirgin, A. On the method of stochastic time series for the characterization of the stability of solar insolation 9—57396
Benard, C., Ekouhoh, A., Gobin, D., Wirgin, A. On the use of grating or mesh selective filters to increase the efficiency of flat plate solar collectors 9—62032

Benard, C., Gobin, D., Levesque, D., Wirgin, A. Theoretical and experimental analysis of a latent heat storage system 9—57484

Benard, C., Gobin, D., Wirgin, A. Low-cost solar energy storage regulation systems for raising young chickens in a subsistence-level economy 9—57485

Benard, D.J. *see* Hanko, L. 9—81412

Benard, D.J. *see* McDermott, W.E. 9—79254

Benary, O. *see* Brick, D. 9—58980

Benary, V. *see* Feke, G.T. 9—79623

Benary, V. *see* Riva, C.E. 9—83884

Benassi, L., Graffi, S., Grecchi, V. Multiple well anharmonic oscillators and perturbation theory 9—49086

Benattar, J.J., Levelut, A.M., Liebert, L., Moussa, F. Phonon dispersion curves of ordered phases of TBBA 9—86863

Benavent, F., Gomis, J. Poincare-Cartan integral invariant for constrained systems 9—63025

Benazeth, N. *see* Mischler, J. 9—61475

Bence, A.E. *see* Doolan, B.L. 9—66679

Bench, R.J. *see* Keith, T.W. 9—92236

Bencker, H. *see* Predel, B. 9—66337

Benczer-Koller, N. *see* Collins, G.S. 9—61283

Benda, H. *see* Barber, D. 9—54289, 9—54346

Benda, H. *see* Barber, D.P. 9—89175, 9—97631

Bendall, M.R. *see* Doddrell, D.M. 9—61247

Bendel, W.L. *see* Ensslin, N. 9—49598

Bender, C.F. Spin-adapted vector method: an alternative to the conventional configuration interaction approach 9—54777

Bender, C.F., Rescigno, T.N., Schaefer, H.F., Orel, A.E. Potential energy curves for diatomic zinc and cadmium 9—89624

Bender, C.F. *see* Butler, S.E. 9—59550

Bender, C.F. *see* Hackel, L.A. 9—54796

Bender, C.M., Cooper, F., Guralnik, G.S., Roskies, R., Sharp, D.H. Improvement of an extrapolation scheme for strong-coupling expansion in quantum field theory 9—89063

Bender, C.M., Cooper, F., Guralnik, G.S., Sharp, D.H. Strong-coupling expansion in quantum field theory 9—58880

Bender, C.M., Kuok-Mee Ling Tight upper and lower bounds on perturbation coefficients for anharmonic oscillators 9—85003

Bender, D.J. Performance parameters for fusion-fission power systems 9—81084

Bender, D.J., Lee, J.D., Neef, W.S., Devoto, R.S., Galloway, T.R., Fink, J.H., Schultz, K.R., Culver, D., Rao, R., Rao, S. The mirror hybrid (fusion-fission) reactor 9—76124

Bender, E. New techniques advance marine geophysical survey 9—53560

Bender, E. Planning for oil in iceberg alley [Newfoundland] 9—87946

Bender, O., Schroeder, K. Theory of Mossbauer line broadening due to diffusion of Mossbauer atoms via vacancies 9—73868

Bender, P.L., Faller, J.E., Levine, J., Moody, S., Pearlman, M.R., Silverberg, E.C. Possible high-mobility LAGEOS ranging station 9—79723

Benderskii, V.A., Brikenshtein, V.Kh., Filippov, P.G., Yatsenko, A.V. Energy transfer over the highest vibronic levels in mixed molecular crystals 9—65904

Benderskii, V.A. *see* Babenko, S.D. 9—95906

Benderskii, V.A. *see* Filippov, P.G. 9—65924

Bendick, W., Ettwig, H.H., Pepperhoff, W. Thermally excited electron transitions in FCC iron alloys 9—56559

Bendiscioli, G. Physical constraints on the proton scattering amplitude 9—71824

Benditskii, A.A. *see* Agranat, M.B. 9—95879

Bendjaballah, C. Twofold joint time interval distribution for chaotic light with Lorentzian spectrum 9—50269

Bendjaballah, N. *see* Stoquert, J.P. 9—93637

Bendorius, R. *see* Brilingas, A. 9—69511

Bendow, B., Gianino, P.D. Theory of nonlinear pulse propagation in inhomogeneous waveguides 9—72617

Bendtsen, J., Winnewisser, M. Absorption spectrum of deuterated hydrazoic acid, $D^{14}N_3$ in the microwave and millimeterwave region 9—85958

Bene, J.E.Del *see* Del Bene, J.E.

Bene, R.W. *see* Remke, R.L. 9—95533

Benecchi, S. *see* Zizak, G. 9—71447

Benedek, R. *see* Averback, R.S. 9—77654

Benedek, R. *see* Gupta, R.P. 9—56192

Benedetti, A.De *see* De Benedetti, A.

Benedetto, A.T. *see* Siegmann, A. 9—65007

Benedetto, G., Spagnolo, R. Decay rate of sound in a reverberation chamber versus humidity and temperature 9—50473

Benedick, W.B. *see* Buxton, L.D. 9—85648

Benedict, A.H., LeSouef, A. Assessing nitrogen contamination by use of differential temperature calculations 9—66730

Benedict, G.F. *see* Mulholland, J.D. 9—62789, 9—75139

Benedict, R.P., Drummond, D.L., Schlie, L.A. Fluorescence spectra and kinetics of Cs_2 9—64027

Benedict, R.P. *see* Hamil, R.A. 9—55119

Benediktov, E.A. *see* Belikovich, V.V. 9—75074, 9—84585

Benediktsson, G. *see* Astrom, H.U. 9—61156

Benenson, R.E. Radioactivity enhanced mass transfer in xenon gas at pressures near one atmosphere 9—60094

Benenson, W., Kashy, E. Isobaric quartets in nuclei 9—93519

Benenti, S., Francaviglia, M. Remarks on certain separability structures and their applications to general relativity 9—49121

Benes, P., Glos, J. Method of double labelling for radiotracer study of zone electrophoresis 9—79278

Benesch, R., Thomas, S. Integral and expansion techniques for transforming Hylleraas-type wave functions to momentum space 9—54757

Benesch, W. Oscillator strengths for the $W^3\Delta_u$-$X^1\Sigma_g^+$ band system of molecular nitrogen 9—59486

Benesch, W. *see* Gottscho, R.A. 9—59481

Beneslavskii, S.D., Polevaya, N.A. Maximum mobility of hot electrons in longitudinal quantizing magnetic fields 9—69519

Benetskii, B.A., Klyachko, A.V., Nefedov, V.V., Frank, I.M., Shtranikh, I.N. Resonant character of the differential cross section of elastic scattering of neutrons by ^{nat}Pb in the energy region 16-18 MeV 9—75952

Benetskii, B.A., Klyachko, A.V., Nefedov, V.V., Frank, I.M., Shtranikh, I.V. Total cross section of interaction of neutrons with ^{206}Pb in the energy interval 15-18 MeV 9—75990

Benettin, G., Casartelli, M., Galgani, L., Giorgilli, A., Strelcyn, J.M. On the reliability of numerical studies of stochasticity. II. Identification of time averages 9—54056

Benettin, G., Froeschle, C., Scheidecker, J.P. Kolmogorov entropy of a dynamical system with an increasing number of degrees of freedom 9—80562

Beneventano, M. *see* Amaldi, E. 9—71771

Benevides, P., Boczko, R., Clauzet, L.B.F., Leister, N.V. Results of observations made at Valinhos with the astrolabe. Time and latitude 1974 to 1977 9—70944

Benezech, G. *see* Coutures, J.P. 9—70268

Benford, G. Equilibria and stability of centrifugal relativistic electron beams 9—90451

Benford, G. *see* Buschauer, R. 9—77367

Benford, G. *see* Tzach, D. 9—73018

Benford, J., Berry, J.A., Osias, D.E., Bernstein, B.H. Pulserad 445W, a compact high-power beam generator 9—76172

Benford, S.M. The magnetocaloric effect in dysprosium 9—73721

Bengston, A. *see* Alvarez, E. 9—93951

Bengtson, A. *see* Alvarez, E. 9—93945

Bengtson, R. *see* Gentle, K.W. 9—90442

Bengtson, R.D. *see* Miller, M.H. 9—93956

Bengtsson, G., Blomgren, P.-G., Bergman, K., Aberg, L. Patient exposures and radiation risks in Swedish diagnostic radiology 9—53248

Bengtsson, G., Nordstrom, E., Fenz, K. Radiography in intensive care 9—92346

Benguigui, L. Theory of the dielectric constant of the smectic phases, and comparison with experiments 9—78604

Benguigui, L. A Landau theory of the NAC point 9—95142

Benham, P.P. *see* Crawford, R. 9—78929

Benhar, O., Ciofi degli Atti, C. Information on nucleon-nucleon interaction from nuclear matter calculations 9—71796

Benhenda, S., Lesourd, J.B. Determination of the transport number of Li^+ and Zn^{++} in the mixture $ZnCl_2$-LiCl at 398°C 9—69286

Beni, G., Capasso, F. Effect of carrier drift velocities on measured ionization coefficients in avalanching semiconductors 9—69516

Beni, G., Rice, T.M., Hemstreet, L.A. Electron-hole liquid in SiC 9—69429

Beni, G. *see* Shay, J.L. 9—99851

Beniere, F. *see* Kostopoulos, D. 9—77808

Beniere, F. *see* Reddy, K.V. 9—77820

Benilov, M.S., Tirskii, G.A. An exact solution of the problem of a conducting sphere in a quiescent, slightly ionized plasma 9—86564

Benincasa, J.P. *see* Baribaud, G. 9—72209

Benincasa, M. *see* Caroli, S. 9—72263, 9—72264

Beniston, M.G., Sommeria, G. Aspects of turbulence in a model of the boundary layer in the presence of cumulus cloud 9—84412

Benisty, K. *see* Vitel, Y. 9—77421

Benito, M.A.V. *see* Gomez-Reino Carnota, C. 9—59628

Benito Secades, I.de *see* de Benito Secades, I.

Benjamin, A.S., McCloskey, D.J. Spent-fuel heatup following loss of water during storage 9—59202

Benjamin, A.S., McCloskey, D.J. Protecting against spent-fuel overheating in a pool drainage accident 9—85639

Benjamin, M.V. *see* Leo, J.S. 9—92362

Benjamin, R.F., Schappert, G.T. Prepulse damage to targets and alignment verification 9—54593

Benjamin, S.A., Hahn, F.F., Boecker, B.B. Effects of chronic pulmonary irradiation on peripheral lymphocytes and their function in the dog 9—88135

Benjamin, T.B., Scott, J.C. Gravity-capillary waves with edge constraints 9—68732

Benjamins, J. *see* de Feijter, J.A. 9—77146

Benlarbi, B., Solymar, L. The effect of the relative intensity of the reference beam on the reconstructing properties of volume phase holograms 9—50251

Benmair, R.M.J. *see* Yogev, A. 9—79264

Benmergui, A., Megy, J., Vautrey, L., Villeneuve, J. Future plans for the design and construction of fast breeder reactors in France 9—97798

Benmiloud, L. *see* Philippot, E. 9—99130

Benn, A. The democratic control of science and technology 9—75316

Benn, M., Kuwabara, M., Riley, F.L. Reactive hot-pressing of phases in the system $Si_{6-z}Al_zO_zN_{8-z}$ ('δ'-Sialon') 9—100102

Benndorf, C., Gressmann, K.H., Kessler, J., Kristein, W., Thieme, F. Chemisorption of carbon monoxide on copper-nickel alloy surfaces 9—90879

Benneman, K.H., Ketterson, J.B. *(editor)* The physics of liquid and solid helium, part II 9—99377

Bennemann, K.H., Avignon, M. Phonons in mixed valence systems 9—95104

Bennemann, K.H. *see* Brouers, F. 9—56280

Benner, H., Wiese, J. Half-field EPR transitions in the 1D Heisenberg paramagnet TMMC 9—51843

Benner, P.H. *see* Stephens, R.I. 9—61711

Benner, R.E., Brody, E.M., Shanks, H.R. Composition dependence of elasticity in Na_xWO_3 [using Brillouin light scattering] 9—61388

Benner, R.E., Dornhaus, R., Chang, R.K. Angular emission profiles of dye molecules excited by surface plasmon waves at a metal surface 9—89703

Benner, R.E. *see* Lee, E.H. 9—51996

Bennet, L.H. *see* Rubinstein, M. 9—78535

Bennett, A. *see* Johnston, R.P. 9—53287

Bennett, A.M. *see* Rockoff, M.L. 9—74785

Bennett, B.W., Shiflet, G.J., Aaronson, H.I. Regular solution theory calculation of the congruent transformation point of a solid solution 9—60477

Bennett, E.W., Joynes, H.W. Fatigue strength of cold-worked non-prestressed reinforcement in prestressed concrete beams 9—96123

Bennett, H.A. *see* Chapman, L.D. 9—85674

Bennett, H.D. *see* Gayle, J.B. 9—74443

Bennett, J.A. *see* Dyson, P.L. 9—58166

Bennett, J.A. *see* Laats, P.V. 9—62542

Bennett, J.C. Use of cylindrical hot films in unsteady flows 9—98828

Bennett, J.C. *see* Marie, K.H.S. 9—50248

Bennett, J.E. *see* Pinnel, M.R. 9—82392

Bennett, J.G. *see* Apperson, C.E., Jr. 9—49774

Bennett, J.M. *see* Elson, J.M. 9—50219, 9—59638

Bennett, J.R. A three-dimensional model of Lake Ontario's summer circulation. II. A diagnostic study 9—79881

Bennett, J.R., Magnell, B.A. A dynamical analysis of currents near the New Jersey coast 9—57962

Bennett, J.R.J., Elsey, R.J., Dossett, A.J. Vacuum system for an intense pulsed neutron source at the Rutherford Laboratory 9—63261

Bennett, L.H. *see* Maxwell, L.R., Sr. 9—62326

Bennett, M.J., Houlton, M.R. The oxidation behavior of the ferrite alloy DT02 in carbon dioxide and in argon containing 0.7 Pa water vapour and 37.5 Pa hydrogen at 823-1123K 9—61803

Bennett, M.J. *see* Smith, E.L., III 9—79556

Bennett, P.M. *see* Ungewickell, E. 9—96514

Bennett, P.S.G., Evans, J.T. Creep stimulated by interrupted loading in copper and copper-1% cadmium 9—74213

Bennett, R. *see* Konowalow, D.D. 9—97997

Bennett, S.C., Johnson, D.J. Electron-microscope studies of structural heterogeneity in PAN-based carbon fibres 9—77465

Bennett, S.J. *see* Cerez, P. 9—59730

Benney, D.J. Instabilities associated with forced nonlinear waves 9—58554

Benney, D.J. Large amplitude Rossby waves 9—62567

Bennikutty, S., Joshi, K.P., Gupta, S.C. Realistic and effective interactions in sd shell nuclei. I. Spin-tensor decomposition of the effective interaction 9—93522

Benning, W., Forstner, W. Data validation and automatic calculation of approximate coordinates in geodetical ground control networks. The program NAEKO 9—84088

Benninger, L.K., Aller, R.C., Cochran, J.K., Turekian, K.K. Effects of biological sediment mixing on the ^{210}Pb chronology and trace metal distribution in a Long Island Sound sediment core 9—66672

Beno, M.F. *see* Firestone, R.F. 9—52667

Benoiot a la Guillaume, C. *see* Voisin, P. 9—99942

Benoist, R.W., Marchand, J.-P. Statistical inference in coupled quantum system 9—54042

Benoist, R.W., Marchand, J.-P., Wyss, W. A note on relative entropy 9—71360

Benoit, A., Flouquet, J., Ribault, M., Brewer, W.D., Tholence, J.L., Wassermann, E.F. Nuclear orientation experiments of dilute alloy of Pt-Mn 9—61171

Benoit, A. *see* Ribault, M. 9—63229, 9—90803

Benoit, C., Galtier, M., Montaner, A. A model for TTF-TCNQ conductivity 9—51557
Benoit, C. *see* Bernier, P. 9—82859
Benoit, C. *see* Cuvellier, J. 9—86035
Benoit, C. *see* Giordano, J. 9—51952
Benoit, C. *see* Montaner, A. 9—73892
Benoit, H. *see* Boue, F. 9—50956
Benoit, J.P. *see* Cao Xuan An 9—87453
Benoit, P. Fibres, cables and accessories for optic fibre light transmission 9—89998
Benoit, P. Information by optical fibre. II 9—90005
Benoit, P., Djega-Mariadassou, C., Lesueur, R., Albany, J.H. Optical gap and its low-temperature dependence in $AgIn_5Se_8$ 9—99907
Benoit, P., Zurcher, J.-F. Optical-fibre cables and coupling elements 9—68447
Benoit, P. *see* Berthou, H. 9—90000
Benque, J.P., Dewagenaere, Ph. Medium and small scale meteorological models 9—84406
Benrud, V.M. *see* Lo, D.S. 9—78484
Bensahel, D., Magnea, N., Dupuy, M. Behaviour of copper in ZnTe:SEM-CL and PL 9—65927
Bensahel, D. *see* Magnea, N. 9—60764, 9—99940
Benson, G.C. *see* Handa, Y.P. 9—90782
Benson, J.P. Cleavage of ferrite strengthened by interphase precipitation of vanadium carbide 9—74171
Benson, J.P. Influence of grain size and yield strength on threshold fatigue behaviour of low-alloy steel 9—91790
Benson, J.P., Edmonds, D.V. Microstructural effects on fatigue at intermediate and high crack growth rates in a low alloy steel 9—74247
Benson, R.F., Calvert, W. ISIS 1 observations at the source of auroral kilometric radiation 9—84558
Bensoussan, M., Lannoo, M. Trends in the band structure of defect tetrahedral compound semiconductors: oxides and other sytems with 4-2 local coordination 9—90956
Bent, G.D., Bartram, R.H., Rossi, A.R., Kemmey, P.J. Ab initio calculations of the electronic properties of N_4^- in KN_3 9—95363
Bent, R.B., Lipofsky, J.R., Llewellyn, S.K., Schmid, P.E. Ionospheric range-rate effects in satellite-to-satellite tracking 9—58174
Bent, R.D. The (p,π^+) reaction near threshold 9—85461
Bent, R.D. *see* Pile, P.H. 9—63667
Bent, R.D. *see* Tsangarides, M.C. 9—85415
Bentele, W., Morris, G. Monitoring of radioactivity concentrations at the Neckar communal nuclear power station 9—67876
Benthem, J.P. On an inversion theorem for conical regions in elasticity theory 9—68578
Benthem, J.P. Note on the Boussinesq-Papkovich stress-functions 9—68579
Bentini, G.G. *see* Schmaus, D. 9—86828
Bentley, C.R. *see* Acharya, H.K. 9—66631
Bentley, C.R. *see* Levanon, N. 9—53374
Bentley, C.R. *see* Thomas, R.H. 9—66725
Bentley, J. Collision-induced atomic dipole moments 9—64069
Bentley, P.G., Hill, P.L., de Haas, H.A., Mistry, F., Kakkar, V.V. Radionuclide venography in the management of proximal venous occlusion. A comparison with X-ray contrast venography 9—53210
Bentley, R.F. *see* Lunsford, J.S. 9—72158
Bentley, W.H. *see* Walker, P.M. 9—93489
Benton, E.R. Vorticity dynamics in spin-up from rest 9—77130
Benton, E.R. On fluid circulation around null-flux curves at Earth's core-mantle boundary 9—79764
Benton, E.V. *see* Kraft, L.M. 9—66489
Benton, J.L., Kimerling, L.C., Miller, G.L., Robinson, D.A.H., Celler, G.K. Electrical properties of laser annealed silicon 9—69609
Bentosela, F. Bloch electrons in constant electric field 9—87073
Bentur, A., Berger, R.L. Chemical composition of C-S-H Gel formed in the hydration of calcium silicate pastes 9—79346
Bentur, A., Berger, R.L., Kung, J.H., Milestone, N.B., Young, J.F. Structural properties of calcium silicate pastes. II. Effect of curing temperature 9—100332
Bentur, A. *see* Berger, R.L. 9—100331
Bentz, B.L. *see* Smyth, K.C. 9—86633
Benua, R.S. *see* Tilbury, R.S. 9—53245
Benumof, R. Simple astronomical theory of climate 9—84891
Benumof, R. Astronomical meaning of a tropical year 9—97136
Benvenuti, A., Bobisut, F., Cline, D., Cooper, P.S., Gilchriese, M.G.D., Heagy, S.M., Imlay, R., Ling, T.Y., Mann, A.K., McIntyre, P., Mori, S., Reeder, D.D., Rich, J., Stefanski, R., Trinko, T., Winn, D.R. Rates and properties of trimuon events observed in high-energy neutrino interactions 9—49508
Benvenuti, A., Bobisut, F., Cline, D., Cooper, P.S., Gilchriese, M.G.D., Heagy, B.M., Imlay, R., Johnson, M.E., Ling, T.Y., Lundy, R., Mann, A.K., McIntyre, P., Mori, S., Reeder, D.D., Rich, J.A., Stefanski, R., Trinko, T., Winn, D.R. Measurement of the structure functions in neutrino and antineutrino inelastic interactions 9—58951
Benvenuti, C. Cryopumping for cyclotrons 9—54670
Benvenuti, C., Hilleret, N. Cold bore experiments at CERN ISR 9—76212
Benvenuti, P., Aller, H.D., Aller, M.F., Haddock, F.T., Hodge, P.E., Seling, T.V., Hills, J.G. SS 433 9—71048
Benvenuti, P. *see* Cassatella, A. 9—62837
Benwell, D.A. *see* Repacholi, M.H. 9—79613
Beny, J.M., Bassez, C., Sombret, B., Wallart, F. Rapid Raman spectrometry study of the addition kinetics of hydrochloric acid to conjugated double bonds: the case of cis-2,trans-4-hexadiene 9—91940
Beny, J.M. *see* Herzog-Cance, M.H. 9—73915
Benyakovskii, M.A. *see* Feigin, Ya.G. 9—52574
Benz, A.O., Fitze, H.R. Microwave radar observations of the Sun 9—88635
Benz, K.W. *see* Barthruff, D. 9—87575
Benza, S.M. *see* Ukhov, B.V. 9—81552
Benza, V., Morisetti, S., Reina, C. Weyl and Papapetrou axisymmetric space-times as geodesics of the hyperbolic complex plane 9—49126
Benzer, H. *see* Thoma, H. 9—83877
Benzi, R., Salusti, E., Sutera, A. On the stability of geophysical flows 9—70884
Beohar, B.K., Jadiya, B.L. On the absolute Norlund summability of Laguerre series 9—84935
Beorchia, A. *see* Bonnet, N. 9—63327
Bera, P.C. *see* Rosinger, H.E. 9—74206
Bera, S.C. *see* Sen, A.C. 9—91409
Bera, S.K., Ghosh, S.K. Studies on magnetic damping due to pinned domain wall motion. I 9—56598
Beraha, D., Grumbach, R., Hoeld, A., Werner, W. Safety aspects of core power distribution surveillance and control 9—97860
Beran, M. *see* Cihal, V. 9—91850
Beran, M.J. *see* Schwartz, N. 9—81587
Beran, V. *see* Malow, G. 9—49790
Beranek, F., Conn, R.W. Discrete cross-section expansion for discrete ordinate codes 9—69162
Beranek, F., Conn, R.W. Discrete transfer cross-section expansion for time-dependent neutron transport 9—80969
Beranek, J. *see* Krasa, J. 9—60126
Beranek, M. *see* Sebkova, J. 9—77865, 9—91626
Beranger, G. *see* Armanet, F. 9—79165
Beranger, G. *see* David, D. 9—86929
Berar, J.F. *see* Clec'h, G. 9—51093
Berard, M., Lallemand, P. Experimental study of the fine structure of rotational Raman spectra of oxygen 9—94003
Berbenni, V. *see* Flor, G. 9—57227
Berbenni, V. *see* Marini, A. 9—61859
Berbenni, V. *see* Massarotti, V. 9—61857
Berbente, C. A nonuniform supersonic flow past the circular cone 9—55400
Berberian, M. Evaluation of the instrumental and relocated epicentres of Iranian earthquakes 9—88258
Berberian, M. Discussion of the paper A.A. Nowroozi 1976: 'Seismotectonic provinces of Iran' 9—92499
Berberich, P. *see* Mattes, J. 9—65150
Berberich, W. *see* Bartel, W. 9—74980
Berceanu, I. *see* Abou-Leila, M.A.A. 9—85576
Berceanu, S. *see* Balea, E. 9—63520
Bercha, D.M., Zayachkovskii, M.P., Zayachkovskaya, N.F. Magnetic susceptibility of layered BiTeI crystals 9—73673
Bercha, D.M. *see* Maslyuk, V.T. 9—87051
Bercha, D.M. *see* Suslikov, L.M. 9—73951
Berchea, K. *see* Akimov, Yu.K. 9—49525
Berchier, J.L., Sanchez, D.H. Finite size arrays of proximity effect bridges 9—78270
Berclaz, T., Geoffroy, M., Ginet, L., Lucken, E.A.C. Phosphoranyl radicals: an ESR study of Ph_3PBr trapped in a single crystal 9—56611
Bercovici, D. *see* Haiduc, C. 9—98729
Bercovier, M., Engelman, M. A finite element for the numerical solution of viscous incompressible flows 9—50747
Bercovier, M. *see* Engelman, M. 9—49039
Bercsi, Zs. About the accuracy of flow meter calibrating devices 9—68846
Berdermann, K. *see* Nolte, E. 9—72004
Berdichevsky, F., Murillo, G., Cutler, C. A microcomputer-based speech synthesizer which speaks Spanish 9—64445
Berdichevsky, F. *see* Murillo, G. 9—64444
Berdnichenko, P.E., Strikha, V.I., Tkhorik, Yu.A., Shvarts, Yu.M. Surface electron states in Ge-GaAs 9—73578
Berdnikov, V.S. *see* Kutateladze, S.S. 9—98722
Berdnikova, I.P. *see* Petin, V.G. 9—79610
Berdnikova, T.V. *see* Dolginov, L.M. 9—65545
Berdyanskii, E.N.A., Ignatenko, A.D., Obodan, V.Ya., Putilov, Yu.M. Reducing the additive component of error in primary measuring transducers using twin-circuit correction 9—71404
Berdzenishvili, O.L. *see* Atenelashvili, M.I. 9—84626
Berec, I. *see* Tremmel, J. 9—94108
Berecz, I., Bohatka, S., Daroczy, S., Gal, J., Hennel, E., Horkay, Gy., Kadar, I., Lakatos, T., Mathe, Gy., Paal, A., Morik, Gy. Respiratory mass-spectrometer model QGA-11 9—62382
Berecz, I. *see* Schultz, G. 9—89783
Berek, D. *see* Spychaj, T. 9—96353
Berenberg, V.A. *see* Balashov, I.F. 9—55160
Berends, F.A., Van Holden, J.W., Van Nieuwenhuizen, P., de Wit, B. On spin-5/2 gauge fields 9—63363
Berends, F.A., Van Holten, J.W., Nieuwenhuizen, P., De Wit, B. On field theory for massive and massless spin-$^5/_2$ particles 9—75687
Bereni, D. On investigation of spectra of electrons emitted from targets of accelerators 9—49335
Bere'nyi, D. The Hungarian cyclotron investment project 9—81104
Berenz, J.J., Kinoshita, J., Hierl, T.L., Lee, C.A. Orientation dependence of n-type GaAs intrinsic avalanche response time 9—51587
Bererhi, A., Bosio, L., Cortes, R. X-ray diffraction study on amorphous gallium 9—51451
Bererhi, A., Cortes, R., Defrain, A. Characterisation of the amorphous state of vacuum evaporated gallium films by differential thermal analysis 9—51447
Beresford-Smith, G. *see* Booer, A.K. 9—53585
Beresnev, G.A., Vylezhnev, V.P., Kataev, Yu.I., Kozel'skii, A.V. Change in rate of movement of fatigue crack in maraging steel as result of ageing 9—70149
Beresnev, L.A., Blinov, L.M. Stationary value of the pyroelectric constant of a liquid crystal over the temperature range of the ferroelectric phase 9—65801
Beresnev, L.A. *see* Blinov, L.M. 9—91380
Berestov, A.T. *see* Anisimov, M.A. 9—77766
Berestycki, H., Lions, P.-L. The existence of standing waves in nonlinear Klein Gordon problems 9—63339
Beretvas, A., Miller, D., Auer, I.P., Giese, R., Hill, D., Nield, K., Rynes, P., Sandler, B., Watanabe, Y., Yokosawa, A. Measurements of two- and three-spin parameters at 6 GeV/c using a transversely polarized beam and target 9—89179
Bereza, V.G. *see* Polshkov, M.K. 9—84531
Berezdivin, R., Perl, R., Braunstein, R. A phase-coherence detector/estimator 9—59870
Berezhetskaya, N.K. *see* Askar'yan, G.A. 9—76548
Berezhinsky, L.I. *see* Artamonov, V.V. 9—51966
Berezhko, E.A., Grigor'ev, V.M., Efimov, N.N., Kalmykov, N.N., Nechin, Yu.A., Prosin, V.V., Fomin, Yu.A., Khristiansen, G.B. Results of investigation of position of the maximum and its fluctuations for EAS with energies $E_0 > 2 \times 10^{16}$ eV by means of registering the shape of Cerenkov impulses 9—96870
Berezhkovskii, A.M. Certain features of semiconductor behaviour in strong parallel magnetic and electric fields. IV. Zener tunnelling 9—91082
Berezhkovskii, A.M., Ovchinnikov, A.A. Certain features of semiconductor behaviour in strong parallel magnetic and electric fields. I. Effect of electric field on the magnetic moment of a specimen 9—56175
Berezhkovskii, A.M., Ovchinnikov, A.A. Certain features of semiconductor behaviour in strong parallel magnetic and electric fields. II. High-frequency field energy absorption 9—73801
Berezhkovskii, A.M., Ovchinnikov, A.A. Certain features of semiconductor behaviour in strong parallel magnetic and electric fields. III. Interband absorption 9—78063
Berezhnev, S.F. *see* Alizade, V.V. 9—80845
Berezhnoi, A.A., Korolev, Yu.G., Popov, Yu.V., Sidorenko, N.B., Sherstneva, T.N. Use of lead magnesium niobate crystals for controlling optical radiation 9—81554
Berezhnoi, A.A. *see* Nikonov, O.V. 9—72690
Berezhnoi, V.M., Kirichenko, V.N., Petryanov, I.V. Stationary distribution of the charges of β-active aerosol particles 9—92581
Berezhnoi, Yu.A., Khomenko, G.A. Polarization of intermediate energy particles with spin 1/2 in nuclear scattering 9—89273
Berezhnoi, Yu.A., Shlyakhov, N.A. Diffraction-model analysis of polarization in elastic and inelastic scattering of 185-MeV protons by nuclei 9—75943
Berezhnoi, Yu.A. *see* Akhiezer, A.I. 9—89285
Berezin, A.A. Positron trapping by the negatively charged F-aggregate colour centres and the binding energy of the F_{e+}', M_{e+}' and R_{e+}' centres in alkali-halide crystals 9—69460
Berezin, A.A. On the long-lived excited states and the spontaneous tunnel transitions in some positively charged color center systems in alkali halide crystals 9—82552

Berezin, A.K. *see* Kiselev, V.A. 9—77407
Berezin, F.A. Mathematical base of supersymmetrical field theories 9—67478
Berezin, I.A. *see* Aleksandrovich, K.V. 9—55459
Berezin, R.G. *see* Martynov, V.A. 9—95976, 9—100071
Berezina, E.E., Levenberg, V.A., Lunter, S.G. Photoelastic effect and polarizability of glasses 9—65839
Berezina, E.I. *see* Goldberg, V.M. 9—50691
Berezina, T.G. *see* Mints, I.I. 9—57026
Berezinskii, V.S., Gazizov, A.Z. Neutrino-nucleon scattering at above W-boson production threshold energy 9—67537
Berezinsky, V.S. *see* Andreev, Yu.M. 9—71738
Bereznai, T., MacMahon, T.D. The epithermal neutron flux distribution in a nuclear reactor and its effect on epithermal neutron activation analysis 9—52833
Berezovets, A.M. *see* Golubev, L.I. 9—71878
Berezovskaya, V.V. *see* Chukhrov, F.V. 9—74892
Berezovskii, L.B. *see* Evsyukov, V.N. 9—52573
Berezutskii, V.I. *see* Lyk'yanov, V.F. 9—91794
Berg, B., Karowski, M., Weisz, P. Construction of Green's functions from an exact S matrix 9—71629
Berg, B., Weisz, P. Exact S-matrix of the adjoint SU(N) representation 9—71647
Berg, B.V., Pomortseva, A.A., Stepanov, L.V. Certain problems in horizontal heat transfer in a fluidized bed 9—60058
Berg, G.J.van der *see* van der Berg, G.J.
Berg, H. *see* Barner, K. 9—60664
Berg, H.A.M.van den *see* van den Berg, H.A.M.
Berg, J.A.Van den *see* Van den Berg, J.A.
Berg, J.A.Van Den *see* Van Den Berg, J.A.
Berg, J.O., Shackleford, W. Rotational redistribution effect on saturated laser-induced fluorescence 9—81259
Berg, N.A., Sereda, B.P., Zolotavina, S.V. IR spectroscopic investigation of solutions of acid chromium and aluminum phosphates 9—87428
Berg, N.A. *see* Leont'eva, I.A. 9—100116
Berg, N.J., Lee, J.N. An enhanced acousto-optic memory correlator 9—55080
Berg, N.J., Lee, J.N., Casseday, M.W., Katzen, E. Adaptive Fourier transformation by using acousto-optic convolution 9—55079
Berg, N.J., Lee, J.N., Casseday, M.W., Udelson, B.J. Real-time radar and sonar signal processing using acousto-optics 9—72515
Berg, N.J., Lee, J.N., Casseday, M.W., Udelson, B.J. Surface wave delay line acoustooptic devices for signal processing 9—94328
Berg, O.E., Perkins, D. Response of lunar ejecta and meteorites experiment (LEAM) to electrostatically charged lunar dust 9—58259
Berg, P.M.van den *see* van den Berg, P.M.
Berg, R.L., Vanderzee, C.E. Enthalpies of dilution of sodium carbonate and sodium hydrogen carbonate solutions, and the standard enthalpies of ionization of aqueous carbonic acid, at 298.15K 9—57284
Berg, R.L., Vanderzee, C.E. Thermodynamics of carbon dioxide and carbonic acid: (a) the standard enthalpies of solution of $Na_2CO_3(s)$, $NaHCO_3(s)$, and $CO_2(g)$ in water at 298.15K; (b) the standard enthalpies of formation, standard Gibbs energies of formation, and standard entropies of $CO_2(aq)$, $HCO_3^-(aq)$, $CO_3^{2-}(aq)$, $NaHCO_3(s)$, $Na_2CO_3(s)$, $Na_2CO_3.H_2O(s)$, and $Na_2CO_3.10H_2O(s)$ 9—57285
Berg, R.Van *see* Van Berg, R.
Berg, R.W. *see* Chodos, S.L. 9—73917
Berg, S., Andersson, L.P. Diamond-like carbon films produced in a butane plasma 9—82484
Berg, S. *see* Andersson, L.P. 9—66224
Berg, S.Van Den *see* Van Den Berg, S.
Berg, U., Fuhrmann, R., Brummer, O. Angular-dependent X-ray photoemission study on the surfaces of GaAs (111) and ($\bar{1}\bar{1}\bar{1}$) single crystals 9—83102
Berg, U.E.P. *see* Junghans, G. 9—75974
Bergamasco, L., Alessio, S., Cini, G., Osborne, A.R. Spectral analysis of cosmic-ray fluctuations at 250 GV 9—75062
Bergamini, P.G., Palmas, G., Piantelli, F., Sani, M. A method for the statistical evaluation of gamma photopeaks in complex spectra obtained from very low activity samples 9—76254
Bergdolt, H. Use of solar energy on the roof of the barracks at Achern/Baden 9—87970
Berge, G.L. *see* Pechmann, J.B. 9—70981
Berge, G.L. *see* Schloerb, F.P. 9—96962, 9—96963
Berge, J.P., Bogert, D., Hanft, R., Hamilton, D., Harigel, G., Malko, J.A., Moffatt, G.I., Nezrick, F.A., Wolfson, J., Ammosov, V.V., Denisov, A.G., Ermolov, P.F., Gapienko, G.S., Gapienko, V.A., Klukhin, V.I., Koreshev, V.I., Pitukhin, P.V., Sirotenko, V.I., Slobodyuk, E.A., Zaetz, V.G., Efremenko, V.I., Fedotov, A.V., Gorichev, P.A., Kaftanov, V.S., Kliger, G.K., Kolganov, V.Z., Krutchinin, S.P., Kubantsev, M.A., Makhljueva, I.V., Shekeljan, V.I., Shevchenko, V.G., Bell, J., Coffin, C.T., Louis, W., Roe, B.P., Ross, R.T., Seidl, A.A., Sinclair, D., Wang, E. A search at high energies for antineutrino-electron elastic scattering 9—71741
Berge, J.P. *see* Ammosov, V. 9—71737
Berge, J.P. *see* Efremenko, V.I. 9—75763
Berge, P., Dubois, M. Study of unsteady convection through simultaneous velocity and interferometric measurements 9—98839
Berge, P. *see* Wesfreid, J. 9—55374
Bergel'son, L.D. *see* Koreneva, L.G. 9—79478
Bergel'son, L.D. *see* Shapiro, Yu.Ye. 9—79481
Bergel'son, V.I., Nemchinov, I.V. Parameters of a plasma formed by the action of microsecond laser pulses on an aluminum target in vacuum 9—64884
Bergen, H.A., Golding, R.M., Stubbs, L.C. Relaxation studies in magnetic resonance spectroscopy 9—73841
Berger, A. Are we heading for a climatic catastrophe? or Man's impact on climate 9—84360
Berger, A.L. Insolation signatures of Quaternary climatic changes 9—74953
Berger, A.L. Long-term variations of daily insolation and Quaternary climatic changes 9—88469
Berger, A.R. *see* Bell, K. 9—92534
Berger, A.S., Ockers, S.T., Siegel, R.W. Measurement of the monovacancy formation enthalpy in copper 9—65217
Berger, A.S., Siegel, R.W. Vacancy-scandium interaction in quenched copper 9—51142
Berger, A.S. *see* Morozkova, V.E. 9—52780
Berger, C., Baril, M. Bicylinder mirror aberrations and their effects on multipassage magnetic mass spectrometers properties 9—75651
Berger, C., Lackas, W., Raupach, F., Wagner, W., Alexander, G., Criegee, L., Dehne, H.C., Derikum, K., Devenish, R., Flugge, G., Franke, G., Gerke, C., Hackmack, E., Harms, P., Horlitz, G., Kahl, T., Knies, G., Lehmann, E., Neumann, B., Thompson, R.L., Timm, U., Waloschek, P., Winter, G.G., Wolff, S., Zimmermann, W., Achterberg, O., Blobel, V., Boesten, L., Daumann, H., Garfinkel, A.F., Kapitza, H., Koppitz, B., Luhrsen, W., Maschuw, R., Spitzer, H., Van Staa, R., Wetjen, G., Backer, A., Brandt, S., Burger, J., Grupen, C., Meyer, H.J., Zech, G., Daum, H.J., Meyer, H., Meyer, O., Rossler, M., Wacker, K. Jet analysis of the Υ(9.46) decay into charged hadrons 9—49519
Berger, C. *see* Barlier, F. 9—66852
Berger, C. *see* Villain, J.-P. 9—96846
Berger, D. *see* Eichler, J. 9—83961
Berger, E.L., Brodsky, S.J. Quark structure functions of mesons and the Drell-Yan process 9—63551
Berger, E.L., Donohue, J.T., Mennessier, G. Diffractive production of the A_2 and its implications 9—71733
Berger, E.L. *see* Irving, A.C. 9—63505
Berger, E.-M. *see* Neels, H. 9—65995
Berger, F.P. *see* Aytekin, A. 9—55362
Berger, G. *see* Comar, D. 9—83730
Berger, H. Nondestructive testing standards—the rule of NBS 9—54612
Berger, H., Kuhrig, B., Oelgart, G., Pietsch, U., Schikora, D. Investigation of chemical microinhomogeneities in $Bi_{100-x}Sb_x$ single crystals 9—65206
Berger, H.J. *see* Johnstone, D.E. 9—100714
Berger, J., Agnew, D.C., Parker, R.L., Farrell, W.E. Seismic system calibration. II. Cross-spectral calibration using random binary signals 9—92604
Berger, J. *see* Farrell, W.E. 9—92603
Berger, L. Domain drag effect in the presence of variable magnetic field or variable transport current 9—78433
Berger, L. *see* Hsu, Y. 9—78070
Berger, L.I., Dovletov, K., Erniyazov, Kh. Physicochemical investigation of melts of the system Ga(In)Te-SnTe 9—95430
Berger, L.I., Oreshnikov, R.V. Determining the demagnetization level in ferromagnetic product samples during magnetic inspection 9—49261
Berger, M. *see* Dornhaus, R. 9—82610
Berger, R. *see* Brown, O. 9—83768
Berger, R. *see* Mahn, B. 9—68673
Berger, R. *see* Meerschaut, A. 9—90599
Berger, R.L., Bentur, A., Milestone, N.B., Kung, J.H. Structural properties of calcium silicate pastes. I. Effect of the hydrating compound 9—100331
Berger, R.L. *see* Bentur, A. 9—79346, 9—100332
Berger, R.L. *see* Goodbrake, C.J. 9—79219
Berger, R.L. *see* Powers, L.V. 9—55460
Berger, R.L. *see* Thibault, L.E. 9—92418
Berger, R.S. *see* Brun, M.K. 9—91577
Berger, S.A., King, W.S. Diffusion and transport in the capillaries in sickle cell disease 9—92198
Berger, S.A. *see* Dresdner, R.D. 9—92199
Berger, S.A. *see* Harpole, G.M. 9—64628
Berger, S.B. How to translate a massless particle (the Weyl neutrino) 9—63392
Berger, T.J. *see* Mitchell, J.T. 9—62212
Berger, W.A. *see* Miller, H.G. 9—92970
Berger-Vachon, C. *see* Hadj-Salem, R. 9—83968
Bergere, M.C., David, F. Integral representation for the dimensionally regularized massive Feynman amplitude 9—71592
Bergerioux, C., Boisvert, J. Rapid neutron activation method for the determination of minerals in milk 9—96717
Bergeron, C.G. *see* Herron, L.W. 9—65014
Bergeron, J. *see* Thuan, T.X. 9—71147
Bergeron, K.D., Poukey, J.W. Beam stability and current loss in magnetic insulation 9—94141
Bergeron, R.J. A comparison of the behaviour during a TUC of CRBR carbide reload designs to the reference oxide design 9—85658
Bergeron, R.T. *see* Leo, J.S. 9—92362
Bergersen, B. *see* Kirczenow, G. 9—69442, 9—69466
Bergeson, H.E. *see* Cassiday, G.L. 9—63864
Berggren, K.-F. *see* Sernelius, B. 9—95423
Berggren, M.J. *see* Singh, M. 9—79638
Bergh, H.van den *see* van den Bergh, H.
Bergh, S.van den *see* van den Bergh, S.
Bergh, S.Van Den *see* Van Den Bergh, S.
Berghaus, U. *see* Anders, B. 9—75967
Berghaus, U. *see* Graubmann, S. 9—89317
Berghe, G.Vanden *see* Vanden Berghe, G.
Berghe, H.Van Den *see* Van Den Berghe, H.
Bergher, M. A beam position stabilization system 9—68079
Berghmans, J. *see* Gelders, L. 9—57443
Berghmans, J.A., Ahrens, F.W. Performance of a hydraulic air compressor for use in compressed air energy storage power systems 9—83639
Bergholz, R.F. Turbulent convection in horizontal two-layer systems with and without interfacial freezing 9—49670
Bergholz, R.F., Chen, M.M., Cheung, F.B. Generalization of heat-transfer results for turbulent free convection adjacent to horizontal surfaces 9—59977
Bergholz, W. *see* Weyer, G. 9—51891
Bergia, S., Cannata, F., Ruffo, S., Savoia, M. Group theoretical interpretation of von Neumann's theorem on composite systems 9—71189
Bergknoff, H. Lattice-gauge-theory spectrum for broken SU(4) 9—49474
Bergknoff, H., Thacker, H.B. Structure and solution of the massive Thirring model 9—85230
Berglund, J.W. Transient interaction of a circular plate and a fluid medium 9—64572
Berglund, L. *see* Gonzalez, R.R. 9—92159
Berglund, L.G., Gonzalez, R.R. Mass transfer characteristics of the sweating human 9—92158
Berglund, P. *see* Avenel, O. 9—51353
Berglund, P.M. *see* Bloyet, D. 9—55989
Bergman, C. *see* Castanet, R. 9—61893
Bergman, D.J. Dielectric constant of a two-component granular composite: A practical scheme for calculating the pole spectrum 9—69764
Bergman, J.G. *see* Crane, G.R. 9—50348
Bergman, K. *see* Bengtsson, G. 9—53248
Bergman, R. *see* Nystrom, B. 9—70385
Bergman, S., Gustavsson, I. Identification of global noise in a boiling water reactor by means of spectral and parametric methods 9—63730
Bergmann, A., Kaveh, M., Wiser, N. Energy dependence of the electron relaxation time 9—60805
Bergmann, C.A., Phillips, B.O. Photographic and visual methods of secondary-side steam generator inspection 9—54557
Bergmann, E. *see* Tenne, R. 9—60252
Bergmann, G. Transition from Pauli-paramagnetism to band-ferromagnetism in Ni-films of a few atomic layers 9—61192
Bergmann, G. Size effect in metallic sandwiches 9—73604
Bergmann, G. The anomalous Hall effect 9—87084
Bergmann, H. Ultrasound for the transmission of information and as a technological medium 9—50550
Bergmann, H. Semiconductors and integrated circuits for photographic cameras 9—58813
Bergmann, H.M.von *see* von Bergmann, H.M.
Bergmann, H.W., Frommeyer, G., Wassermann, G. The dependence of the texture and microstructure in two phase composites on the yield stresses of the components 9—91697
Bergmann, H.W. *see* Kern, R. 9—87816
Bergmann, H.W. *see* Wassermann, G. 9—83219
Bergmann, J., Schubert, M. Raman-induced Kerr effect in liquids considering real experimental conditions 9—50358
Bergmann, K., Engelhardt, R., Hefter, U., Witt, J. A detector for state-resolved molecular beam experiments using optical fibres 9—54999
Bergmann, K., Stegemeyer, H. Optical properties of the isotropic mesophase formed by cholesteryl esters 9—65891
Bergmann, K., Stegemeyer, H. Evidence for polymorphism within the so-called 'blue phase' of cholesteric esters. IV. Temperature and angular dependence of selective reflection 9—90553
Bergmann, R., Daniel, H., von Egidy, T., Hartmann, F.J., Reidy, J.J., Wilhelm, W. Muonic K_β/K_α ratios from pure elements 9—68335
Bergmeister, F.J. *see* Hasselgren, L. 9—63588
Bergner, R.L., Leupold, H.A., Breslin, J.T., Rothwarf, F., Tauber, A. Temperature dependence of the magnetic parameters in the $Sm_{2-x}Gd_xCo_{17-y}Mn_y$ compounds 9—82824

Bergner, R.L., Leupold, H.A., Breslin, J.T., Shappirio, J.R., Tauber, A., Rothwarf, F. Enhancement of the magnetic properties of the $Sm_2Cu_{1.6}Zr_{0.16}Fe_{3.3}Co_{12}$ compound 9—82825

Bergner, Yu.K., Voropaev, V.M., Krat, A.V., Pogodin, M.A. A comparative evaluation of astronomical-climatic conditions for infrared astronomical observations in some high-mountain regions 9—62566

Bergou, J. *see* Rozsa, K. 9—99017

Bergougnou, M.A. *see* Baker, C.G.J. 9—60056

Bergquist, J.C., Barger, R.L., Glaze, D.J. Saturated absorption optical Ramsey fringes 9—54204

Bergquist, J.C. *see* Barger, R.L. 9—85925

Bergqvist, E. *see* Bernemyr, R. 9—55209

Bergryd, U. *see* Boalt, G. 9—71218

Bergsma, J. Old and new sources of neutrons 9—81108

Bergsten, R., Huberty-Popelka, S. White-light Fraunhofer diffraction 9—72477

Bergstralh, J.T. *see* Pang, K. 9—96958

Bergstresser, T.K., Gould, H. Impurities in Ising-model lattices and probe independence of hyperfine critical exponents 9—87267

Bergstrom, I. *see* Lonnroth, T. 9—49567

Bergstrom, J.C. *see* Ansaldo, E.J. 9—75898

Bergstrom, L., Snellman, H., Tengstrand, G. Relativistic corrections to the electromagnetic decays of heavy quarkonium states 9—49522

Bergstrom, M. *see* Axelsson, B. 9—74760

Bergstrom, R.W. *see* Tesche, T.W. 9—84440

Berigin, N.N., Sarkisyan, V.S., Taroshchin, Yu.L. A quick method of determining hydrodynamic parameters of beds 9—77237

Berik, E.B. *see* Antonov, E.N. 9—89684

Berikashvili, T.I., Orlov, L.G. Precipitation of the ε phase from martensite in copper-bearing steels 9—78969

Beril, S.I., Pokatilov, E.P. Surface states in a quantum insulator 9—69575

Beril, S.I., Pokatilov, E.P. Weakly bound surface polaron in ionic crystals 9—69576

Berin, I.Sh., Chernyshova, Yu.P., Presnyakov, A.A. Effect of oxygen on the mechanical properties of deformed copper 9—83272

Beringer, R. Charged particle counters in the pre-modern period 9—72190

Berjoan, R. *see* Coutures, J.P. 9—70268

Berke, C.M. *see* Liberles, A. 9—89612

Berke, M. The sonogram—a practice oriented presentation of the sound pattern and capability of ultrasonic test heads 9—79199

Berkelman, K. *see* Gibbard, B.G. 9—71756

Berkengeim, A.B., Vinokur, A.I., Kopytov, V.V., Spirina, T.I. Automated choice of printing and processing conditions for dye transfer process materials 9—75643

Berker, A.N., Nelson, D.R. Superfluidity and phase separation in helium films 9—77857

Berker, A.N., Nelson, D.R. Two-dimensional XY magnets with annealed non-magnetic impurities 9—78391

Berker, A.N. *see* Nienhuis, B. 9—99706

Berker, R. A new solution of the Navier-Stokes equation for the motion of a fluid contained between two parallel plates rotating about the same axis 9—68713

Berkey, D.D., Freedman, M.I. Buckled elastica at contact: a perturbation analysis 9—98646

Berkhoer, A.L., Konoplev, V.P. Analyzing the errors of standard measures of impedance when calculating step discontinuities 9—80643

Berkhout, A.J. Steep dip finite-difference migration 9—92620

Berkhout, A.J., Van Wulfften Palthe, D.W. Migration in terms of spatial deconvolution 9—88256

Berkhout, P.J., Silvera, I.F. Density dependence of the Raman-active optical phonon in the HCP phase of solid H_2 and D_2 9—87432

Berkhout, P.J. *see* Silvera, I.F. 9—73918

Berkhuijsen, E.M. *see* Sofue, Y. 9—53886

Berkley, D.A. Computer simulation of charge dynamics in electron-irradiated polymer foils 9—82915

Berkley, D.A. *see* Allen, J.B. 9—68487

Berkley, J.L. *see* Taylor, G.J. 9—92730

Berkman, S., Ban, V.S., Goldsmith, N. An analysis of the gas-flow dynamics in a horizontal CVD reactor 9—82498

Berko, S. The positron annihilation technique in Fermiology 9—69902

Berko, S. *see* Farmer, W.S. 9—87039

Berko, S. *see* Hu, C.-K. 9—78786

Berkoff, C.E. *see* Winicov, H. 9—52628

Berkovich, I.I. *see* Kolesnikov, N.P. 9—61673

Berkovitch, I. Building a science magazine within Prestel 9—48979

Berkovits, V.L., Safarov, V.I. Optical detection of nuclear quadrupole resonance in doped semiconductors 9—69752

Berkovskiy, B.M., Vislovich, A.N. Certain problems of convective heat transfer in ferromagnetic fluids 9—98725

Berkowitz, A.E., Livingston, J.D., Nathan, B.D., Walter, J.L. Thermomagnetic behavior of a duplex ferromagnetic alloy, $Fe_{75}Si_{15}B_{10}$ 9—73778

Berkowitz, B.J. *see* Burton, J.J. 9—83204

Berkowitz, J. Photoelectron spectroscopy of phthalocyanine vapors 9—64043

Berkowitz, J., Goodman, G.L. Partial photoionization cross sections of atomic iodine; irreducible tensor analysis of intensities 9—98048

Berkowitz, J. *see* Eland, J.H.D. 9—72366

Berkshire, R.C. *see* Bober, A. 9—79329

Berkson, M.H., Nachemson, A., Schultz, A.B. Mechanical properties of human lumbar spin motion segments II. Responses in compression and shear; influence of gross morphology 9—96597

Berkson, M.H. *see* Schultz, A.B. 9—96596

Berkstresser, B.K., El-Asfouri, S., McConnell, J.R., McInnis, B.C. Identification techniques for the renal function 9—96658

Berlad, G. *see* Gluck, M. 9—49478

Berlande, J. *see* Cuvellier, J. 9—86035

Berlande, J. *see* Hugon, M. 9—89761

Berlanger, M., Gobbi, A., Hanappe, F., Lynen, U., Ngo, C., Olmi, A., Sann, H., Stelzer, H., Richel, H., Rivet, M.F. Study of a fast collective mode in deep inelastic reactions: quantal fluctuations 9—67636

Berlemont, A. *see* Gouesbet, G. 9—72882

Berletov, A.N. *see* Antonenko, G.I. 9—68975

Berlie, J. *see* Finnie, I. 9—84236

Berlin, A.A., Brodzeli, M.I., Vlasova, R.M., Eligulashvili, I.A., Gurtsiev, S.I., Kertsman, E.L., Semkin, V.N., Sherle, A.I. Strain sensitivity of ion-radical salts of TCNQ 9—65461

Berlin, A.A., Sentschilo, J.Ja., Schutow, F.A., Gurew, W.W. Foamed plastics based on phenol-urethane compositions. Production methods and properties 9—56951

Berlin, A.A. *see* Khursandova, S.M. 9—99885

Berlin, A.A. *see* Meshikowski, S.M. 9—70097

Berlin, Al.Al. *see* Topolkaraev, V.A. 9—65139

Berlin, C., Jarretou, H., Rulleau, A., Coulon, P., Paziaud, A. Systems for detecting failed fuel in fast reactors 9—97858

Berlin, C. *see* Le Meur, R. 9—97857

Berlin, I.I. *see* Kalinin, E.K. 9—65182

Berlina, S.A. *see* Anokhina, Z.V. 9—67409

Berliner, C. *see* Poss, A. 9—74601

Berlinsky, A.J. One-dimensional metals and charge density wave effects in these materials 9—78085

Berlinsky, A.J., Unruh, W.G., McKinnon, W.R., Haering, R.R. Theory of lithium ordering in Li_xTiS_2 9—77580

Berlinsky, A.J. *see* Hardy, W.N. 9—50053

Berlizov, A.B., Notkin, G.E., Shcheglov, D.A. Comparison of Z_{eff} values in the central zone of the plasma column in the T-10 apparatus fitted with tungsten and carbon diaphragms 9—55545

Berlovich, E.Ye. *see* Alkhazov, G.D. 9—75957

Berman, B.L., Faul, D.D., Alvarez, R.A., Meyer, P., Olson, D.L. Giant resonance in transitional nuclei: photoneutron cross sections for osmium isotopes 9—54422

Berman, B.L. *see* Alguard, M.J. 9—51176, 9—69167

Berman, B.L. *see* Alvarez, R.A. 9—89289

Berman, B.L. *see* Hynes, M.V. 9—63658

Berman, B.L. *see* Johnson, R.G. 9—89288

Berman, B.L. *see* Jury, J.W. 9—63657

Berman, B.L. *see* Miska, H. 9—63583

Berman, B.L. *see* Phillips, T.W. 9—67743

Berman, B.L. *see* Woodworth, J.G. 9—63656

Berman, D.H. The fluctuation-dissipation theorem for contracted descriptions of Markov processes 9—54054

Berman, D.H., Snider, R.F. Asymptotic form of quantum momentum distributions 9—98850

Berman, G.P., Zaslavskii, G.M. Stochastic instability in a nonlinear quantum oscillator 9—85007

Berman, G.P., Zaslavsky, G.M. Condition of stochasticity in quantum nonlinear systems. II. Kinetic description of quantum K-systems 9—85080

Berman, G.P. *see* Belobrov, P.I. 9—85955

Berman, I. *see* Maniv, S. 9—69982

Berman, I.S. *see* Semenov, V.N. 9—53363

Berman, L.S., Vlasov, S.I. Investigation of recombination parameters of heat-treatment defects in diodes made of n-type silicon 9—56299

Berman, L.S., Vlasov, S.I., Morozov, V.F. Identification of remanent deep impurities in semiconductors and semiconductor devices using the method of capacitive spectroscopy 9—82628

Berman, L.V., Kal'fa, A.A., Kogan, Sh.M. Certain features of the impurity photoconductivity spectrum in semiconductors with a nonuniform distribution of the impurities 9—82632

Berman, P.R. *see* Yeh, S. 9—54805, 9—98022

Berman, R.H., Mark, J.W.-K. Are massive galactic haloes necessary to prevent rapid, global bar formation? 9—88745

Berman, R.H., Mark, J.W.-K. Stellar dynamics in thin disk galaxies. II. Stellar hydrodynamic equations 9—92809

Berman, R.M. Differential thermal analysis of some irradiated materials 9—62484

Berman, S.M., Stewart, A.L. A nonlinear integral equation for visual impedance 9—100599

Berman, V.G., Mishurov, Yu.N. Determination of parameters of the spiral structure of the Galaxy from the radio emission of neutral hydrogen at 21 cm. I. Linear theory. Nonresonance region 9—88738

Berman, V.S., Ryazantsev, Yu.S. Ignition of a gas in a boundary layer at a heated plate 9—64798

Bermejo, D., Cardona, M. Raman scattering in pure and hydrogenated amorphous germanium and silicon 9—61358

Bermejo, D., Cardona, M. Infrared absorption in hydrogenated amorphous and crystallized germanium 9—61359

Bermudez, G.G. *see* Mariscotti, M.A.J. 9—54380

Bermudez, G.Garcia *see* Garcia Bermudez, G.

Bermudez, V.M., Ritz, V.H. Low-energy Auger transitions in magnesium oxide 9—61476

Bern, H.A. *see* Marshall, W.S. 9—74617

Bernabei, R. *see* Esposito, B. 9—63489

Bernabei, S. *see* Motley, R.W. 9—64882

Bernabeu, E., Pelayo, J., Amare, J.C. Spin relaxation of optically pumped cesium atoms in the presence of nitrogen 9—59420

Bernabeu, E. *see* Alvarez, J.M. 9—76384

Bernabeu, J., Pascual, P. Elementary particle approach to neutral current processes in nuclei 9—93606

Bernabini, M., Cardarelli, E. The use of filtered Bessel functions in direct interpretation of geoelectrical soundings 9—74965

Bernabini, M. *see* Brizzolari, E. 9—88486

Bernacca, P.L., Bianchi, L. Copernicus observations of theta-2 OriA, a proposed optical counterpart of the X-ray source 4U 0531—05 9—67050

Bernage, P. *see* Niay, P. 9—54832, 9—76754, 9—98091

Bernal, I. *see* Mullica, D.F. 9—77568

Bernal, J.J.Pena *see* Pena Bernal, J.J.

Bernard, A. *see* Boudon, Y. 9—75505

Bernard, B. *see* Ravier, J. 9—97878

Bernard, B.B. *see* Sackett, W.M. 9—88369

Bernard, C. Gauge zero modes, instanton determinants, and quantum-chromodynamic calculations 9—71635

Bernard, C., Cheynet, B., Ducarroir, M. Thermodynamic method of research and optimisation of thermochemical cycles of water decomposition at high temperature 9—96295

Bernard, C. *see* Dombre, M. 9—91623

Bernard, C. *see* Raymond, A. 9—77989

Bernard, E.A. Reflections on the causes of solar activity and the organisation of beats in its pseudoperiodicities 9—84762

Bernard, L., Piche, L., Schumacher, G., Joffrin, J. The distribution of the values of the electric dipole moments in a glass 9—61299

Bernard, L., Piche, L., Schumacher, G., Joffrin, J. Relaxation times of molecular ions OH^- in glasses at very low temperature 9—78616

Bernard, P., Belanger, P.A. Stable pulses of variable width from a mode-locked hybrid TEA-CO_2 laser 9—76726

Bernard, P., Oka, T. A study of the K=3n A_1-A_2 centrifugal splitting in the $3\nu_2$ and $4\nu_2$ states of PH_3 using a difference-frequency laser system 9—59484

Bernard, P. *see* Baze, J.M. 9—54640

Bernard, R. *see* Massebeuf, M. 9—75003

Bernard, S.R. A metabolic model for polonium 9—79657

Bernard, V., Nguyen Van Giai Effects of particle-vibration coupling on the Hartree-Fock potential 9—93578

Bernard-Moulin, P., Rajzmann, M., Pouzard, G. A priori calculations of molecular physical constants: improvement of screening constant calculations in NMR using a nudification of the CNDO/S method 9—94012

Bernardi, F., Robb, M.A., Tonachini, G. Correlation effects in conformational problems 9—97999

Bernardini, A., Meucci, G.F. Evaluation of the propagation characteristics of a line-of-sight radio link on the basis of the impulsive analysis 9—70868

Bernardini, J.E. *see* Wernick, J.H. 9—74080

Bernardini, R. *see* Bianconi, A. 9—87420

Bernas, H. *see* Ruault, M.O. 9—90705

Bernas, M., Roy-Stephan, M., Pougheon, F., Langevin, M., Rotbard, G., Roussel, P., LeFevre, J.P., Lemaire, M.C., Low, K.S., Wildenthal, B.H. Mechanism of the $^{26}Mg(^{18}O,^{16}O)^{28}Mg$ reaction at E_{18O}=50 MeV and the energy levels of ^{28}Mg 9—67661

Bernasconi, J. *see* Alexander, S. 9—60676

Bernatowicz, T.J., Goettel, K.A., Hohenberg, C.M., Podosek, F.A. Anomalous noble gases in josephinite and associated rocks? 9—79761

Bernatskaya, A.M. *see* Sharovarov, G.A. 9—59157

Bernatskii, D.P., Ustinov, Yu.K. System for collecting and handling multiple analog signals by means of the Promin-2 computer 9—67267

Berndorfer, K. *see* Suri, R.K. 9—61956

Berndt, K., Marx, U., Brummer, O. Photoelectron spectra of core electrons from palladium-silver alloys 9—100021

Berndt, M., Brunk, W., Jensen, D., Johnson, R., King, A., Spencer, J., Taylor, T., Cronin, R., Winick, H. Initial operation of SSRL wiggler in SPEAR 9−68025

Berndt, M., Kwiatkowski, J.S. A simple electrostatic model of solvation for large molecules within the SCF MO theory 9−96305

Berndt, V., Kopylov, A.A., Kuznetsov, V.V. Gap vibrations and possibility of determination of antimony and bismuth concentrations in gallium phosphide 9−69869

Berndt, V., Kopylov, A.A., Pikhtin, A.N. Splitting of the ground state of a silicon donor atom in $Ga_xIn_{1-x}P$ solid solutions 9−51527

Berndt, W., Brauer, P., Heller, G. Adsorption on heterogeneous surfaces. V. Computation of thermodynamic functions of the monomolecular adsorption for various adsorption energy partition functions 9−90891

Berndtsson, A., Nyholm, R., Martensson, N., Nilsson, R., Hedman, J. ESCA studies of rhenium and osmium 9−83101

Berne, B.J. *see* Montgomery, J.A., Jr. 9−66273

Berne, B.J. *see* Rao, M. 9−77487, 9−86666

Berne, B.J. *see* Rebertus, D.W. 9−70308

Bernede, J.C. *see* Tregouet, Y. 9−78239

Bernemyr, R., Gobl, G., Bergqvist, E., Olsson, B. Topical optics from West Germany: pictures by fibre optic cable and light amplification 9−55209

Berner, A.I. *see* Ukhorskaya, T.A. 9−52813

Berner, C. *see* Scrivener, O. 9−60034

Berneron, R. The analysis of metallic surfaces by glow discharge emission spectrometry 9−87923

Berneron, R., Caplet, J.L., Charbonnier, J.C., Cretin, J. Use of luminescent-discharge spectrometry in the determination of the surface contamination of iron 9−52839

Berneron, R., Manenc, J., Michel, H., Gantois, M. Application of the luminescent-discharge optical emission spectrometry to the surface analysis of steels after various thermochemical surface treatments 9−79164

Berney, C.V., Chen, S.-H., Johnson, D.H., Yip, S. Analysis of neutron inelastic scattering spectra of normal and deuterated formic acid 9−51214

Berney, C.V. *see* Johnson, D.H. 9−86856

Bernhard, F. Convertibility of dynamic characteristics of contact thermometers to different operating conditions 9−97387

Bernhard, J.D., Farges, P. Methods for measuring the diameter of inorganic fibres by microscopy 9−93095

Bernhard, V.M. *see* Towne, J.B. 9−88144

Bernhard, W.A. *see* Close, D.M. 9−56612

Bernhard, W.A. *see* Fouse, G.W. 9−51840, 9−51857

Bernhard, W.A. *see* Madden, K.P. 9−56613

Bernhardt, Hj. Defect electron centres in lead molybdate crystals 9−55738

Bernhardt, P.A. Three-dimensional, time-dependent modeling of neutral gas diffusion in a nonuniform, chemically reactive atmosphere 9−66846

Bernhardt, P.A., Park, C.G. Modeling of VLF ducts in the plasmasphere 9−58202

Bernheim, M. *see* Royer, D. 9−67747

Bernheim, R.A., Gold, L.P., Kelly, P.B., Kittrell, C., Viers, D.K. Pulsed optical-optical double resonance spectroscopy of gerade excited electronic states in Li_2 9−81220

Bernier, J. *see* Lencioni, P. 9−97910

Bernier, L.-G. *see* Vanier, J. 9−54108

Bernier, M. *see* Deville, G. 9−86961

Bernier, P., Rolland, M., Galtier, M., Montaner, A., Regis, M., Candille, M., Benoit, C., Aldissi, M., Linaya, C., Schue, F., Sledz, J., Fabre, J.M., Giral, L. Electronic properties of non-doped and doped polyacetylene films studied by E.S.R 9−82859

Berning, G.L.P., Levenson, L.L. Diffusion of nickel in silicon below 475°C 9−51319

Berning, W.W. 1979 solar eclipse experiments [sounding rocket measurements] 9−58145

Bernotas, V. *see* Gurevich, M.M. 9−71508

Bernreuther, W., Marinescu, N., Schmidt, M.G. Heavy quarkonium decay in the presence of instantons 9−85296

Berns, M.W., Kitzes, M., Strahs, K.R., Burt, J., Peterson, S., Brenner, S., Hammer-Wilson, M., Lih-Huei Liaw Laser microirradiation of cells 9−66599

Bernshtein, E.V. *see* Saidov, G.V. 9−51957

Bernshtein, L.M. *see* Novikov, I.I. 9−57001

Bernshtein, M.L., Kaputkina, L.M., Prokoshkin, S.D., Dobatkin, S.V. Effect of deformation of austenite during HTMT on the stability of high-carbon martensite during low-temperature tempering 9−57018

Bernshtein, M.L., Zaimovsky, V.A., Kozlova, A.G., Kolupayeva, T.L. The hereditary transfer of the lattice defects at the γ-α-γ transformation in steels which do not undergo 'the inverse' (martensite) transition during austenization 9−96020

Bernstein, A.M. *see* Milder, F.L. 9−59049

Bernstein, A.M. *see* Paras, N. 9−63659

Bernstein, B.H. *see* Benford, J. 9−76172

Bernstein, D. *see* Ben-Zvi, I. 9−72159

Bernstein, E.R. *see* Webb, J.D. 9−72248

Bernstein, H.J. *see* Bandrauk, A.D. 9−61362

Bernstein, J., Pollock, F. The calculation of the electrostatic energy in the liquid drop model of nuclear fission. A pedagogical note 9−63654

Bernstein, J.L. *see* Abrahams, S.C. 9−93115, 9−94974

Bernstein, J.L. *see* Levine, B.F. 9−76750

Bernstein, J.L. *see* Lissalde, F. 9−55882

Bernstein, L.R. Coloring mechanisms in celestite 9−82998

Bernstein, L.S., Robertson, D.C., Conant, J.A., Sandford, B.P. Measured and predicted atmospheric transmission in the 4.0-5.3-μm region, and the contribution of continuum absorption by CO_2 and N_2 9−92589

Bernstein, L.S. *see* Janda, K.C. 9−76420

Bernstein, R.B. *see* Pollak, E. 9−70314

Bernstein, R.B. *see* Zandee, L. 9−54213, 9−100411

Bernstein, R.B. *(editor)* Atom-molecule collision theory. A guide for the experimentalist 9−72394

Bernstein, R.S. *see* Raab, D.H. 9−92224

Bernstein, T. *see* Bahir, G. 9−65104

Bernthal, F.M. *see* Walker, P.M. 9−93489

Berntsson, T. Heat transfer in a new type of heat exchanger for divided solids 9−59912

Berny, L., Dado, S., Goldberg, J., Toaff, S., Grunhaus, J. Energy dependence of the reaction $K^-n \rightarrow K^*\Delta$ and $K^+n \rightarrow K^*\Delta$ 9−63524

Beroff, K. *see* Biraben, F. 9−68307

Beroff, K. *see* Grynberg, G. 9−68308

Beroual, A. *see* Szpor, S. 9−50900

Berouti, M., Schwartz, R., Makhoul, J. Enhancement of speech corrupted by acoustic noise 9−64415

Berozashvili, Yu.N. *see* Bagdavadze, V.N. 9−69812

Berrada, A., Mercurio, J.P., Etourneau, J., Hagenmuller, P. Thermoelectronic properties of some rare earth hexaborides of CaB_6 type as the function of their surface state 9−69950

Berre, P.Le *see* Le Berre, P.

Berreman, D.W. Curved-crystal X-ray monochromator efficiency 9−55612

Berreman, D.W. Anomalous stiffness and tilt angle in nematics from nonuniform attachment angle 9−86688

Berresheim, K. *see* Oelhafen, P. 9−74062

Berrington, K., Crees, M. Recent developments in electron collision calculations 9−59579

Berrington, K.A., Burke, P.G., Dufton, P.L., Kingston, A.E., Sinfailam, A.L. Electron collisional excitation of O V: effect of resonances converging to the n=3 thresholds 9−50136

Berrington, K.A. *see* Fon, W.C. 9−64107

Berrling-Van der Molen, H.D. *see* Paans, A.M.J. 9−54696

Berrondo, M. Quasibound state contributions to the second virial coefficient 9−71364

Berrondo, M. *see* Daudey, J.P. 9−50179

Berrue, J., Chave, A., Dumon, B., Thibeau, M. Light scattering from gaseous nitrogen: effects of correlation between molecular and intermolecular axis 9−50844

Berry, B.S., Pritchet, W.C. Influence of the magnetomechanical pole-effect on the behavior of thin vibrating reeds 9−73791

Berry, C.J. *see* Coleman, G.T. 9−98756

Berry, C.L., De Smet, D.J. Studies of planar stellar orbits. II. A system with an extensive inner Lindblad resonance 9−88704

Berry, G.C. *see* Wong, C.-P. 9−68671

Berry, G.V. The angular momentum group of the deuteron or eight quarks 9−89098

Berry, H.G., Bacis, R. Comment on 'Doppler-tuned hyperfine spectroscopy of the lithium ion' 9−81292

Berry, H.G. *see* Gay, T.J. 9−54956

Berry, J.A. *see* Benford, J. 9−76172

Berry, J.D. *see* Kosch, P.C. 9−83827, 9−83828

Berry, J.S. Teaching mathematical methods to mixed-discipline classes 9−80382

Berry, J.T. *see* Tseng, A.A. 9−94556

Berry, M.V. Diffractals 9−58549

Berry, M.V., Nye, J.E., Wright, F.J. The elliptic umbilic diffraction catastrophe 9−50213

Berry, R. Nebular filters 9−62746

Berry, R.S. *see* Rehmus, P. 9−49952

Berry, R.S. *see* Valley, M. 9−54967

Berryman, J.D. A simple thermometer 9−54131

Berryman, J.G. Extinction time for fast diffusion 9−75477

Berryman, J.G. Choice of operator length for maximum entropy spectral analysis 9−84134

Berryman, J.G. *see* Van Dooren, R. 9−90270

Bers, A. *see* Kaup, D.J. 9−84966

Bers, A. *see* Leclert, G.P. 9−90403

Bershev, E.N., Semenov, V.A. Orientation of long particles in a uniform electric field 9−72451

Bershev, E.N., Semenov, V.A., Lisovskaya, G.P. Charge acquired by fibres of various lengths in electroflocculation 9−83515

Bershtein, V.A., Egorova, L.M., Solov'ev, V.V. Disintegration of polymers by a hydrolytic mechanism 9−55016

Bershtein, V.A., Peschanskaya, N.N., Stepanov, V.A. Intermolecular interaction and disintegration of amorphous polymers 9−86723

Bershtein, V.A., Petkevich, M.Z., Razgulyaeva, L.G., Stepanov, V.A. Temperature dependence of intermolecular interactions in glass-like polymers 9−51967

Bershtein, V.A. *see* Peschanskaya, N.N. 9−69188

Bersinger, T.J. *see* Ling, G.N. 9−62213

Berslavskii, Z.N., Numerov, S.N. The finite element method in filtration problems: the present position 9−88374

Bersohn, R. *see* Freedman, A. 9−74402

Bersohn, R. *see* Kawasaki, M. 9−52718, 9−98169

Bersuker, I.B. *see* Ogurtsov, I.Ya. 9−72322

Bert, H. *see* Van Dael, H. 9−62965

Berta, V.T., Reeder, D.L. ECCS accumulator performance in scaled PWR experiments 9−89427

Berta, V.T. *see* Batt, D.L. 9−89424

Bertagnoli, L., Scaglioni, G., Zorzoli, A. Comparison between grey-scale echoscopy and mammography in 120 patients 9−62313

Bertagnolli, E. *see* Kittinger, E. 9−51121

Bertaut, E.F., Billiet, Y. On equivalent subgroups and supergroups of the space groups 9−99098

Bertaux, J.L., Blamont, J.E., Bourgin, M.S., Kurt, V.G., Smirnov, A.S., Shafer, E.Yu. Parameters of the interstellar medium from Venera 9 L_α scattering measurements 9−80180

Bertay, R. *see* Alkhazov, G.D. 9−75883

Bertazzi, N. *see* Alonzo, G. 9−63190

Berteig, L. *see* Stranden, E. 9−70485

Bertel, E., Schwaha, K., Netzer, F.P. The adsorption of bromine on Pt(111): observation of an irreversible order-disorder transition 9−69361

Bertel', I.M., Kuntsevich, B.F., Petukhov, V.O., Stepanov, B.I., Trushin, S.A., Churakov, V.V. Intense pulsed lasing at lines of the P and R branches of the 00^02-$[10^01,02^01]_{I,II}$ in a CO_2 TEA laser 9−89887

Bertel', I.M., Kuntsevich, B.F., Petukhov, V.O., Trushin, S.A., Churakov, V.V. Broadening of the lasing spectrum of pulsed CO_2 lasers 9−94205

Bertelli, G., Bolton, A., Chiosi, C., Nasi, E. Tables of theoretical isochrones for globular clusters 9−71081

Bertero, M., De Mol, C., Viano, G.A. On the problems of object restoration and image extrapolation in optics 9−50236

Bertero, M., De Mol, C., Viano, G.A. On the regularization of linear inverse problems in Fourier optics 9−50240

Berthel, K.H., Pietrass, B. Temperature dependence of the electrical resistivity of $(V_{1-x}Cr_x)_2Si$ single crystals 9−56193

Berthet, P. *see* Baudhuin, P. 9−71569

Berthier, J. *see* Teisseron, G. 9−99797

Berthier, S. *see* Behaghel, J.M. 9−74545

Berthier, Y., Devine, R.A.B. Evidence for easy axis rotation in $Dy_{1-x}Gd_xAl_2$ alloys from nuclear hyperfine field measurements 9−78562

Berthier, Y. *see* Devine, R.A.B. 9−82568

Berthold, H.J. *see* Lutz, H.D. 9−78687

Berthold, J.E. *see* Parpia, J.M. 9−51357

Berthold, J.E. *see* Smith, E.N. 9−51385

Bertholon, G., Perrin, R., Lamartine, R., Thozet, A., Perrin, M., Caillet, J., Claverie, P. Complexes in the naphthoquinone series: crystal structures, electronic structures, stability 9−73474

Berthou, H., Benoit, P. Light optic fibres and their production 9−90000

Berthouex, P.M. *see* Adeyemi, S.O. 9−74561

Berticat, P., Chatain, D., Monpagens, J.C., Lacabanne, C. Thermally stimulated current and creep in amorphous poly(ethylene terephthalate) 9−69768

Berticat, Ph. *see* Lacabanne, C. 9−78613

Bertin, A., Ferrari, F., Massa, I., Piccinini, M., Vannini, G., Vitale, A. Isotope effect on the Lyman series of μAl atoms formed by muon transfer from free μp and μd systems 9−86090

Bertin, A., Massa, I., Piccinini, M., Vacchi, A., Vannini, G., Vitale, A. New measurement of the elastic scattering cross section of μd muonic atoms off deuterons 9−89811

Bertin, G., Mark, J.W.-K. Local density-potential relation for spiral density waves in galaxies 9−84860

Bertin, M. *see* Brasseur, G. 9−84435

Bertin, P.Y. *see* Balestri, B. 9−75794, 9−85530

Bertini, H.W. *see* Alsmiller, F.S. 9−53479

Bertini, H.W. *see* Wright, A.L. 9−85598

Bertini, R. Σ interactions in nuclei 9−85392

Bertini, R., Bing, O., Birien, P., Bruckner, W., Catz, H., Chaumeaux, A., Durand, J.M., Faessler, M.A., Ketel, T.J., Kilian, K., Mayer, B., Niewisch, J., Pietrzyk, B., Povh, B., Ritter, H.G., Uhrmacher, M. A full set of nuclear shell orbitals for the Λ particle observed in $^{32}S_\Lambda$ and $^{40}Ca_\Lambda$ 9−63623

Bertini, R., Bing, O., Birien, P., Bruckner, W., Catz, H., Chaumeaux, A., Durand, J.M., Faessler, M.A., Ketel, T.J., Kilian, K., Mayer, B., Niewisch, J., Piertrzyk, B., Povh, B., Ritter, H.G., Uhrmacher, M. Observation of a set of nuclear shell orbitals for the Λ particle in $^{32}_\Lambda S$ and $^{40}_\Lambda Ca$ 9−85565

Bertocchi, L., Treleani, D. K^0 regeneration in nuclei and the effect of the inelastic intermediate states 9—54458
Bertoglio, J.P. Influence of Coriolis forces on turbulence. A linear spectral study on homogeneous turbulence and contributions to modelling 9—84408
Bertola, F., Galletta, G. Ellipticity and twisting of isophotes in elliptical galaxies 9—101194
Bertolini, D., Cassettari, M., Salvetti, G. Spontaneous electric polarization. An intrinsic phenomenon related to the growing solid structure? 9—65791
Bertolini, E. The JET design. Prototype and construction work relevant to the next generation of Tokamak experiments and possibly to fusion reactor concepts 9—71961
Bertolini, J.C., Imelik, B. Coadsorption of carbon monoxide and hydrogen and a Ni(111) surface: influence of the 'surface carbide' 9—52772
Bertolini, J.C., Rousseau, J. C_2H_4 adsorption on the Ni(111) face at room temperature: vibrations of surface complexes studied by electron energy loss spectroscopy 9—73404
Bertolotti, M., Carnevale, M., Consortini, A., Ronchi, L. Optical propagation: problems and trends 9—100947
Bertolotti, M., Sibilia, C. Coherent γ-emission by stimulated annihilation of electron-positron pairs 9—55104
Bertolotti, M., Vitali, G., Rimini, E., Foti, G. Structure transitions in amorphous silicon under laser irradiation 9—50992
Bertolotti, M., Vitali, G., Spear, W.E. Laser effects on amorphous silicon 9—69921
Bertolotti, M. *see* Scudieri, F. 9—55654, 9—95137
Bertolotti, M. *see* Vitali, G. 9—69123
Bertolucci, E. *see* Apel', V.D. 9—89194
Bertolucci, E. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Bertoluchchi, E. *see* Apel', V.D. 9—67609
Bertoluzza, A., Bonora, S., Battaglia, M.A., Monti, P. Contribution to the study of correlations between the structure and properties of biologically interesting compounds. VII. Structure of aqueous solutions of dimethylsulphoxide in various concentrations 9—63994
Bertoluzza, A. *see* Marinangeli, A. 9—87866
Berton, A., Chaussy, J., Odin, J., Rammal, R., Souletie, J., Tournier, R. Energy relaxation in the spin glass AuFe 4% at low temperatures 9—87271
Bertoncelli, B. *see* Ben Rais, A. 9—96224
Bertout, C. *see* Chavarria, C. 9—71045
Bertozzi, G. *see* Bignoli, G. 9—96487
Bertozzi, W., Hynes, M.V., Sargent, C.P., Turchinetz, W., Williamson, C. High resolution spectrometers for electron scattering 9—68129
Bertozzi, W. *see* Hynes, M.V. 9—63658
Bertozzi, W. *see* Miska, H. 9—63583
Bertrand, D. *see* Lockwood, D.J. 9—99871
Bertrand, D. *see* Morfin, J.G. 9—71740
Bertrand, F.E. Giant multipole resonances and inelastic pion scattering 9—85426
Bertrand, F.E. *see* Dam, S.H. 9—85536
Bertrand, G. Degradation of polyester fibres in rubber: action of thiuram and dithiocarbamate accelerators 9—78986
Bertrand, G., Lallemant, M., Watelle, G. Analysis of solid-gas surface reactions by nonequilibrium thermodynamics 9—79285
Bertrand, G., Searcy, A.W., Beruto, D. Comments on kinetics of endothermic decomposition reactions. II. Effect of the solid and gaseous products 9—52646
Bertrand, J., Irac, M. Non-uniqueness in writing Schrodinger kernel as a functional integral 9—54006
Bertrand, L., Monchalin, J.-P., Pitre, R., Meyer, M.L., Gagne, J.M. Design of a compact CW chemical HF/DF laser using a microwave discharge 9—72591
Bertrand, L. *see* Gagne, J.M. 9—59402
Bertrand, P. *see* Gros, M. 9—64869
Bertrand, R.D., Moniz, W.B., Garroway, A.N., Chingas, G.C. Sensitivity enhancement in ^{15}N NMR spectroscopy of liquids using the J cross-polarization technique 9—78537
Bertrand, Y., Leveque, G., Raisin, C., Levy, F. Optical properties of $SnSe_2$ and SnS_2 9—95798
Bertrand-Coremans, G. *see* Angelini, C. 9—67548
Bertrand-Coremans, G. *see* Morfin, J.G. 9—71740
Bertsch, G.F. Dynamics of heavy ion collisions 9—71868
Bertsch, G.F. Nuclear vibrations 9—89219
Bertsche, A., Brodowski, J., Keane, J., Maschke, A.W., Sanders, R. Low beta accelerating system for heavy ions 9—72005
Bertsev, V.V., Bulanin, M.O., Popov, I.A. Investigation of the energy profile of Gaussian beams of pulsed infrared radiation 9—64247
Bertsev, V.V., Burtsev, A.P. Infrared spectra of cryosystems: nonlinear absorption of ozone in solutions 9—98100
Bertsun, V.N. *see* Agranat, V.M. 9—77104
Bertsun, V.N. *see* Golovichev, V.I. 9—79253
Bertsun, V.N. *see* Grishin, A.M. 9—86320
Bertucci, M., Le Lay, G., Manneville, M., Kern, R. Desorption kinetics of condensed phases. Two-dimensional phases of silver on Ge (111) 9—90882
Bertuccio, T., Collins, J.C., Manwaring, B., Mower, C., Tyson, J., Lewis, S. Growth of the IUCF control system 9—54702
Berty, J., Brieu, M., David, M.J., Lafourcade, L., Larroque, P. Structural evolution of Bi thin films between 8K and 573K: supercooling effects 9—90921
Beruto, D. *see* Bertrand, G. 9—52646
Berveiller, M., Zaoui, A. An extension of the self-consistent scheme to plastically-flowing polycrystals 9—64530
Berveiller, M., Zaoui, A. Comments on deformation texture development and polycrystalline modelling 9—91671
Berwald, D.H., Maniscalco, J.A., Goldman, L.M. Analysis of laser fusion breeder-fission converter system economics 9—85790
Berwart, L. Reciprocity errors and disturbance effects in high illuminations of silver halogen emulsions 9—97452
Berz, F. Comment on 'A note on the assumption of quasiequilibrium in semiconductor junction devices' 9—91129
Berzelius Filters for surface waves 9—81642
Berzen, J., Birnkraut, H.W., Braun, G. Ultrahigh molecular weight polyethylene (UHMW-PE): application in artificial joints 9—84001
Berzin', V.A., Poznyak, A.A. A study of the development of elastic-plastic temperature stresses and deformations in continuous casting cylindrical ingot at various cooling regimes 9—61576
Berzin, Ya.Ya. *see* Beitin, M.R. 9—75838
Berzina, I.G., Dzhamalov, A.S., Drushchits, A.V., Kulikauskas, V.S., Malinko, S.V., Tulinov, A.F. Separate determination of local levels of boron and lithium and minerals, rocks, and ores 9—74477
Berzins, G.J., Graser, M., Jr. Response of a $Bi_{12}SiO_{20}$ Pockels readout optical modulator to X-rays 9—64313
Berzins, G.J. *see* Han, K.S. 9—93781
Berzins, T. *see* Shannon, R.D. 9—65245
Berzinsh, V. A numerical study of optimal solidification conditions for continuously-cast alloys 9—83188
Berzinsh, V.A. The flow of solidifying liquid metals in the two-phase zone 9—81953
Berzinsh, V.A., Zhevlakov, V.Ye., Klavinsh, J.J., Leykin, A.N., Shadek, J.G. Prediction of the quality and optimal modes of solidification of large flat copper ingots from their temperature fields 9—83187
Berziunas, A.V. *see* Bolotin, V.A. 9—63916
Berzonis, M.A., Bondaras, Kh.Ya., Lapenas, A.A. Informational-computer system for the neutron spectra analysis 9—89514
Bes, D.R. *see* Dussel, G.G. 9—75871
Besch, W. *see* Anderson, H. 9—79361
Beschastnov, S.P., Kul'kov, S.M., Petrov, V.P. Heat transfer in the laminar free convection of CO_2 at supercritical pressure under cooling conditions 9—86428
Beschastnov, S.P. *see* Petrov, V.P. 9—98724
Beschta, R.L. Long-term patterns of sediment production following road construction and logging in the Oregon Coast Range 9—84322
Bescos, J. *see* Le Montreer, J.P. 9—72681
Bescos, J. *see* Santamaria, J. 9—81378
Besedicova, S. *see* Vlasak, G. 9—60510
Besedovskii, R.Z., Kondrat'ev, K.A., Sungurovskii, M.A., Shchupak, V.I. Semiconducting shaper of ignition pulses for laser-pumping lamps 9—72585
Besedovskii, R.Z. *see* Sungurovskii, M.A. 9—68403
Besekerskii, V.A., Nebylov, A.V. Calculating root-mean-square error of digital automatic system averaged over uninterrupted time 9—97336
Beshai, S. High spin negative parity states in the A=100 region 9—75823
Beshai, S. *see* Fransson, K. 9—49605
Beshenkov, S.N., Goloskokov, E.G. Sound radiation from a plate driven by a moving load 9—64396
Beshliu, K. *see* Abdivaliev, A. 9—67569, 9—67570
Besieris, I.M. *see* Patsiokas, S.J. 9—76740
Besieris, I.M. *see* Rose, C.M. 9—89836
Besieris, I.M. *see* Stasiak, W.B. 9—81344
Besklubenko, Yu.D. *see* Privalko, V.P. 9—51295
Beskos, D.E. *see* Kamdar, D.S. 9—94489
Beslu, P., Frejaville, G., Jeanson, P. Occupational radiation exposure at french power plants. Measurement and prediction 9—59182
Besmann, T.M., Potter, P.E. Equilibrium thermodynamics of uranium-plutonium carbide LMFBR fuel 9—67862
Besnard, M.E., Dianoux, A.J., Lascombe, J., Lassegues, J.C., Lalanne, P. Incoherent neutron scattering study of molecular motions in liquid cyclopropane 9—50978
Besnier, G. Stability of the longitudinal oscillations of a bunched beam propagating in a vacuum chamber with reactive impedance 9—85849
Besnus, M.J., Bouton, J.M., Clad, R. Crystal structure and magnetic properties of $Y_6(Fe_{1-x}Al_x)_{23}$ compounds 9—82180
Besnus, M.J., Herr, A., Fischer, G. On the magnetic properties of $Gd(Fe_{1-x}Al_x)_2$ compounds 9—51817
Besoux, M. *see* Delisle, J.P. 9—97871
Bespalov, P.A., Trakhtengerts, V.Yu. Turbulent diffusion regimes along the pitch angle in a geomagnetic trap 9—55534
Bespalov, P.A. *see* Barkhatov, N.A. 9—58189
Bespalov, V.I., Betin, A.A., Pasmanik, G.A. Reproduction of the pumping wave in stimulated-scattering radiation 9—64280
Bespalova, E.I. *see* Prokopov, V.G. 9—64484
Besprozvannaya, A.S., Yudovich, L.A. Variation of the latitudinal dependence of nighttime ionization of the F_2 layer in the solar activity cycle 9—53617
Bessarab, A.V., Dolgaleva, G.V., Zhidkov, N.V., Kaynov, V.Yu., Kormer, S.B., Pavlov, D.V., Urlin, V.D., Funtikov, A.I., Yakutov, B.P. The decay of an air plasma produced by a laser 9—98941
Bessarab, A.V., Romanov, V.M., Samylin, V.A., Funtikov, A.I. Shielding time of a surface irradiated by a CO_2 laser 9—55530
Besse, J.P. *see* Baud, G. 9—65041, 9—90614
Besse, J.-P., Baud, G., Levasseur, G., Chevalier, R. Crystal structure of $Ba_5(ReO_5)_3Cl$: one new apatite the ion $(ReO_5)^{3-}$ 9—90601
Besse, J.-P. *see* Baud, G. 9—77578
Besse, L., Jirousek, I., Aeschimann, P. Therapy controller designed for patient irradiation at the SIN π^--applicator 9—57754
Bessell, M.S. *see* Wickramasinghe, D.T. 9—92765
Bessent, R.G. *see* Fogelman, I. 9—83904
Besserdich, H., Kahrig, E., Krenz, R., Schwanke, H. The measurement of diffusion coefficients by means of a lamella pulsation diffusion apparatus 9—99340
Besset, D., Do, Q.H., Favier, B., Hausammann, R., Heer, E., Hess, R., Lechanoine, C., Leo, W., Rapin, D., Werren, D.W., Weddigen, Ch., Cameron, J., Jaccard, S., Mango, S. Measurements of the polarization A and the spin-correlation A_{nn} in elastic p-p scattering between 400 and 600 MeV 9—63503
Besset, D., Do, Q.-H., Favier, B., Greeniaus, L.G., Hess, R., Lechanoine, C., Rapin, D., Werren, D.W., Weddigen, C. D,R,A and P for small angle p-p elastic scattering at 312, 392 and 493 MeV 9—67593
Bessiere, M. *see* Lefebvre, S. 9—96044
Bessis, D. *see* Barnsley, M. 9—61026, 9—71225
Bessmertnyi, A.M., Mushailov, E.S. Singularites of the $\gamma \rightarrow \alpha$ transformation in epitaxial monocrystals of the cobalt-iron systems 9—52198
Bessmertnyi, A.M., Mushailov, E.S. Dependence of the NMR frequency on interatomic distances in an FCC cobalt single crystal 9—69748
Besson, J., Girard, A., Ackerman, M., Frimout, D. Spectrometer for the first Spacelab payload 9—80202
Besson, J. *see* Girard, A. 9—84433
Besson, J.L., Petit, J. Accurate determination of activation parameters of Bordoni peaks in nickel 9—82282
Besson, J.M., Pinceaux, J.P. Uniform stress conditions in the diamond anvil cell at 200 kilobars 9—67334
Besson, J.-M. *see* Pinceaux, J.-P. 9—73373, 9—82413
Besson, R.J. *see* Balbi, J.H. 9—55299
Besson, R.J. *see* Stein, S.R. 9—54109
Bessonov, A.F., Gudzenko, A.I., Terichev, V.F., Chernyshev, N.I. Emitting grating of chalcogenide glass and barium fluoride in a planar waveguide for the middle IR region 9—50443
Bessonov, E.G. *see* Alferov, D.F. 9—55042, 9—55043, 9—72174
Bessonov, V.A., Borisov, E.A. Possibilities of purifying the products of chemonuclear synthesis, with estimates of the cost of such operations 9—61889
Bessonov, Yu.L., Borodulin, V.I., Vagner, N.A., Zverkov, M.V., Konyaev, V.P., Morozov, V.N., Pashko, S.A., Semenov, A.S., Sergeev, A.B., Utkina, O.A. Injection heterolaser with a short resonator 9—98408
Bessonova, T.S., Stanislavskii, M.P., Sobko, A.I., Khaimov-Mal'kov, V.Ya. Induced absorption spectra from doped corundum arising from low-temperature irradiation 9—56820
Best, C. *see* Evangelista, C. 9—75788, 9—80843
Best, E.N. Null space in the Hodgkin-Huxley equations. A critical test 9—83747
Best, G. *see* Hernandez, E. 9—57380
Best, J.S. The Schottky-barrier height of Au on n-$Ga_{1-x}Al_xAs$ as a function of AlAs content 9—65535
Best, K.J., Rothe, B. A multiple purpose 7TNbTi split coil superconducting magnet system for Mossbauer spectroscopy and susceptibility measurements at various temperatures 9—71486

Best, K.-J., Rothe, B. A multiple-purpose 7 T NbTi split-coil superconducting magnet system for Mossbauer spectroscopy and susceptibility measurements at various temperatures 9—58746

Best, P.E. Electronic structure of Si(111)-Cl by angle-resolved secondary emission and electron energy loss 9—61477

Best, P.E. Energy- and angular-dependent secondary-electron emission from a silicon (111) 7×7 surface. II. Emission from surface-state resonances 9—69930

Best, P.E. *see* Chu, C.C. 9—69909

Bestgen, W. Paramagnetic effect of the two-dimensional 'mixed' state in type-I superconductors 9—51729

Bestman, A.R. Heat transfer in the biconical and concentric spherical viscometers 9—55318

Beswick, J.A. Angular distribution of photo-predissociation fragments in the presence of a magnetic field 9—89716

Beswick, J.A., Delgado-Barrio, G., Jortner, J. Vibrational predissociation lifetimes of the van der Waals molecule HeL_2 9—68278

Beswick, J.A., Jortner, J. Intermolecular V-V transfer in the vibrational predissociation of some Van der Waal dimers 9—94060

Beswick, J.A. *see* Baer, M. 9—74373

Beswick, J.M. Rapid microprobe analysis of inclusions in steel using an energy dispersive spectrometer and a mini computer 9—92038

Betak, E., Dobes, J. On the $\Delta n=0$ transitions in the exciton model of nuclear reactions 9—63651

Betak, E., Dobes, J. Gamma emission in the pre-equilibrium exciton model 9—75960

Betbeder-Matibet, O., Hulin, M. A generalization of the Leman-Weaire-Thorpe theorem 9—95308

Betekhtin, V.I., Ivanov, S.A., Mal'chuzhenko, K.V. Misorientation of blocks in surface layers of deformed single crystals 9—99405

Betenekova, T.A., Cholakh, S.O., Shabanova, I.M., Trapeznikov, V.A., Gavrilov, F.F., Shul'gin, B.V. Structure of the valence band of lithium hydride 9—69416

Betenekova, T.A. *see* Lushchik, Ch.B. 9—87483

Beterov, I.M., Chebotaev, V.P., Yurshina, N.I., Yurshin, B.Ya. Effect of the laser radiation intensity on the kinetics of the heterogeneous photochemical reaction between single-crystal germanium and bromine gas 9—66326

Beterov, I.M., Chernenko, A.A., Shishaev, A.V. Optical resonator for pulsed dye laser pumped by a powerful nitrogen laser 9—94260

Beterov, I.M., Chernenko, A.A., Yatsenko, A.S. Use of resonance optical rotation to determine the g-factors of electronic transitions in molecules 9—54876

Beth, A.H., Wilder, R., Wilkerson, L.S., Perkins, R.C., Meriwether, B.P., Dalton, L.R., Park, C.R., Park, J.H. EPR and saturation transfer EPR studies on glyceraldehyde 3 phosphate dehydrogenase 9—98124

Bethe, H.A. The fusion hybrid 9—71950

Bethe, H.A., Brown, G.E., Applegate, J., Lattimer, J.M. Equation of state in the gravitational collapse of stars 9—97014

Bethea, C.G., Levine, B.F. Electronically tuned synchronously pumped dye laser 9—76698

Bethea, C.G. *see* Levine, B.F. 9—76750

Bethea, T.W. *see* Mochel, V.D. 9—66293

Bethge, H. *see* Krohn, M. 9—77954

Bethge, K. *see* Schule, R. 9—68311

Bethge, P.H., Mathews, F.S. Rotation-function study of flavocytochrome b_2 9—51035

Bethold, J.E. *see* Archie, C.N. 9—51358

Bethoux, J.P. Budgets of the Mediterranean Sea. Their dependance on the local climate and on the characteristics of the Atlantic waters 9—84291

Bethune, D.S., Lankard, J.R., Sorokin, P.P. Time-resolved infrared spectral photography 9—58808

Betigeri, M. *see* Oelert, W. 9—93509

Betigeri, M.G. *see* Ramaswamy, C.R. 9—75951

Betin, A.A. *see* Averbakh, V.S. 9—72628

Betin, A.A. *see* Bespalov, V.I. 9—64280

Betin, O.I., Nurmukhametov, R.N., Shigorin, D.N., Loseva, M.V., Chernova, N.I. Rearrangement of molecules in an electronically excited state and fluorescence with an anomalously large Stokes shift 9—85983

Betko, J., Merinsky, K. Determination of the electrical properties of semi-insulating GaAs: a role of the magnetic field dependences of single-carrier parameters 9—91043

Betson, R.P. Bulk precipitation and streamflow quality relationships in an urban area 9—88382

Bettelheim, F.A., Ariel, Z. Adsorption of biopolymers on solid surfaces 9—79459

Bettelheim, F.A., Paunovic, M. Light scattering of normal humans lens. I. Application of random density and orientation fluctuation theory 9—62241

Betten, J. On the convexity of yield bodies of isotropic and anisotropic media 9—98624

Betteridge, D.R., Yardley, J.T. Production of ethylene episulfide from laser irradiation on sulfur surfaces in the presence of ethylene 9—57258

Betteridge, W. The properties of metallic cobalt 9—95909

Bettess, P. *see* Wong, P.M. 9—68606

Bettini, A. *see* Barone, L.M. 9—80835

Bettini, M., Brandt, G. Crystallography of CdTe layers on CdS grown by chemical vapor transport 9—56081

Bettis, E.S. *see* Uckan, N.A. 9—76120

Bettis, J.R., Guenther, A.H., House, R.A., II Refractive-index dependence of pulsed-laser-induced damage 9—89948

Bettles, N.D. *see* Lynn, P.A. 9—53269

Betts, A.K. Convection in the tropics 9—88461

Betts, A.K. *see* Albrecht, B.A. 9—88432

Betts, D.D. *see* Mivashita, S. 9—85090

Betts, D.D. *see* Oitmaa, J. 9—61032

Betts, K.R., Leonard, A.C. Size and orientation effects on free convection film boiling from flat surfaces immersed in saturated He II 9—60577

Betts, P.L. A variational principle in terms of stream function for free-surface flows and its application to the finite element method 9—64675

Betts, R.R. Time of flight detectors for heavy ions 9—72178

Betts, R.R., DiCenzo, S.B. Rotational-energy contributions to the kinetic energies of deep-inelastic reaction products 9—63697

Betts, R.R., DiCenzo, S.B., Petersen, J.F. Energy-dependent structure in $^{28}Si+^{28}Si$ scattering 9—80909

Betts, R.R., Mortensen, M.H. Pair excitations in tungsten nuclei: Pairing phonons of SU(3) bosons? 9—93532

Bettwieser, E. Cosmic maser and star formation 9—58410

Betty, K.R. *see* Kim, S.H. 9—74435

Betuganov, M.A., Shautsukov, A.G. Calculating profiles of ions in substrate during bombardment of multiple-layer structures 9—55771

Betz, A.L., Goldstein, G.W. Polarity of the blood-brain barrier: neutral amino acid transport into isolated brain capillaries 9—57616

Betz, A.L. *see* Sutton, E.C. 9—67115

Betz, H., Hofbauer, P., Heuberger, A. Measurements on the efficiency of acoustic delay lines in view of beam lines for synchrotron radiation [vacuum system protection] 9—88965

Betz, M., Lee, T.-S.H., Coester, F. A Hamiltonian model for nucleons, pions and Δ's 9—85417

Betz, W. *see* Soff, G. 9—89817

Betzl, M. *see* Truszkowski, W. 9—91670

Beuhler, R.J., Friedman, L., Porter, R.F. Electron-transfer reactions of fast Xe^{n+} ions with Xe in the energy range 15 keV to 1.6 MeV 9—59557

Beukens, R.P. *see* Gove, H.E. 9—52806

Beukens, R.P. *see* Kieser, W.E. 9—93904

Beuneu, F. *see* Monod, P. 9—61219

Beurle, R.L. *see* Hirst, A.N. 9—100611

Beurrier, H.R. *see* Dixon, R.W. 9—68392

Beurskens, P.T., Prick, P.A.J., Doesburg, H.M., Gould, R.O. Statistical properties of normalized difference-structure factors for non-centrosymmetric structures 9—99028

Beurtey, R. *see* Bauer, T.S. 9—54394

Beurtey, R.M. Polarized particles at Saturne (progress report on source, beams and experimental program) 9—63847

Beutier, D., Renon, H. Gas solubilities near the solvent critical point 9—51258

Bevaart, L., Frikkee, E. Neutron-scattering study of magnetic-field-induced transitions in a two-component antiferromagnetic system with competing spin anisotropies 9—82782

Bevan, A.W.R. *see* Hutchison, R. 9—75166

Bevelacqua, J.J. Nuclear level density in the ^4He system 9—63596

Bevelacqua, J.J. Generalized Moshinsky bracket recurrence relations 9—93569

Beveridge, J.L., Dutto, G., Mackenzie, G.H., Root, L.W., Schmor, P.W., Craddock, M.K., Oram, C., Roy, G. The variable energy polarised proton beam at TRIUMF 9—72059

Beveridge, J.L., Dutto, G., Schmor, P.W. The 200 nA variable energy polarized proton beam at TRIUMF 9—63848

Beverini, N., Vanier, J. Tuning of hydrogen maser cavity by means of a variable capacitance diode 9—72545

Beverley, K.I., Regan, D. Separable aftereffects of changing-size and motion-in-depth: different neural mechanisms? 9—100621

Beverley, K.I. *see* Hirst, A.N. 9—100611

Beverly, R.E., III Light emission from high-current surface-spark discharges 9—77449

Beverman, R.W., Klyce, S.D. Practical solution to low-frequency FM tape recording 9—57832

Bevington, P.R. *see* Willard, H.B. 9—63502

Bevk, J., Habbal, F., Lobb, C.J., Harbison, J.P. Superconducting properties of in situ formed Cu-V_3Ga composites 9—95557

Bevk, J., Harbison, J.P. Critical currents of in situ formed multifilamentary Cu-Nb_3Sn composites 9—65625

Bevk, J. *see* Karasek, K.R. 9—61602

Bevk, J. *see* Lin, C.-H. 9—56186

Bevov, R.K. *see* Adamovich, V.A. 9—64253

Bevza, Yu.G., Karamushko, V.I., Dmitrenko, I.M. Cross-like film structures, microwave irradiation stimulated superconductivity and Josephson effect 9—60988

Bevza, Yu.G., Karamushko, V.I., Kel'man, E.A., Tsakh, G.G., Dmitrenko, I.M. Electrically controlled Josephson elements 9—91189

Bewersdorff, A. Physical basis for experiments under microgravity 9—67277

Bewersdorff, H.W., Strauss, K. Turbulent diffusion and drag reduction in pipe flow 9—77251

Bewley, D.K. *see* Huda, W. 9—84054

Bexnosikov, B.V. *see* Anistratov, A.T. 9—99318

Beyeler, H.U. Superionic conduction: an extraordinary phenomenon with interesting applications 9—70445

Beyeler, H.U. *see* Thormer, K. 9—91351

Beyer, B., Wieting, J. Effect of impurities on grain boundaries mobility in nickel 9—96073

Beyer, C. Intensity distribution in the point and line images of optical systems which contain elements made of anisotropic materials 9—55058

Beyer, C. The calculation of amplitudes in optical systems containing single-axis optical crystals 9—55059

Beyer, H.P. *see* Donaldson, S.S. 9—88156

Beyer, W. Doping of evaporated amorphous silicon films 9—51127

Beyer, W. Transport properties of doped amorphous silicon 9—73512

Beyer, W., Fischer, R., Overhof, H. Transport in lithium-doped amorphous silicon 9—73537

Beyer, W., Fischer, R., Wagner, H. Lithium doping of amorphous silicon 9—69142

Beyer, W.A., Waterman, M.S. Moments of absorption time for a conditioned random walk 9—62165

Beyl, L.M. Super-Lagrangians 9—63118

Beylich, A.E. Structure of supersonic free-jets produced by slit orifices 9—77210

Beymer, J.R. *see* Adamski, J.L. 9—76168

Beymer, J.R. *see* Wei, P.S.P. 9—55551

Beynon, J.H. *see* Brenton, A.G. 9—89035

Beynon, J.H. *see* Trott, G.W. 9—88987, 9—93112

Beysens, D. Simple, reliable, and sensitive interferometer for the measurement of the refractive index of liquids as a function of temperature 9—58780

Beysens, D., Bourgou, A. Accurate determination of α and Δ exponents in critical binary fluids by refractive-index measurements 9—82940

Beysens, D., Wesfreid, J. Critical behavior of the refractive index in a binary fluid 9—87413

Bezanilla, F. *see* Taylor, R.E. 9—62222

Bezborodov, Yu.A., Bubnov, V.P., Nesterenko, V.B. Efficiency of a thermodynamic cycle with air cooling 9—59917

Bezdek, R.H., Roseman, E.J. Costs and impacts of financial incentives for solar energy systems 9—57450

Bezdetnyi, B.P., Glushchenko, A.A. Differential-difference method of solving boundary value problems for a system of parabolic equations 9—58534

Bezdetnyi, N.M., Dubovik, M.F., Zeinally, A.Kh., Nazarenko, B.P., Sil'vestrov, B.G. Distribution of internal field and photorefraction in barium-strontium niobate crystals 9—99843

Bezigganyan, P.A. *see* Avetisyan, S.K. 9—95338

Bezin, S., Garat, A. A study of the possibilities of convecting gas transmission networks to hydrogen 9—74550

Bezirganyan, P.A. *see* Egiazaryan, A.M. 9—93266

Bezlepko, E.V. *see* Batashev, S.P. 9—72610

Beznogikh, G.G. *see* Avdeichikov, V.V. 9—97711

Beznogikh, Yu.D. *see* Baldin, A.M. 9—72125

Beznosikov, B.V. *see* Fedoseeva, N.V. 9—69687

Beznosikov, B.V. *see* Popov, E.A. 9—73910

Beznosov, A.B., Gorbach, V.N., Ivakhnenko, S.A. Energy band structure and atomic radius of Ga-La alloys 9—73434

Bezotosnyi, I.Yu. *see* Nikolaev, I.N. 9—99811, 9—99812

Bezotosnyi, V.F. *see* Chaplygin, V.I. 9—87771

Bezrodnyi, V.G., Bliokh, P.V., Fal'kovich, I.S., Yampol'skii, Yu.M. Reflection of superlong waves from the terminator in the Earth-ionosphere waveguide 9—96859

Bezrodnyi, V.G., Shubova, R.S. Influence of geomagnetic activity on the parameters of the Earth-ionosphere waveguide channel and statistical properties of VLF signals 9—88452

Bezrodnykh, I.P. *see* Krymskii, G.F. 9—80121

Bezruchko, V.P., Ognev, R.K., Kolomoets, G.G. Oxidation as a means of increasing the fatigue strength of sintered titanium 9—96137

Bezruk, I.A., Chernyauskii, G.A., Chinareva, O.M. Computer processing of magneto-telluric variations in the 10-1000 s range 9—84535

Bezrukov, O.F., Bejshekeev, G., Kuvatov, A., Nikolaev, B.P. Self-diffusion investigation in binary liquid systems with strong chemical interaction. [Spin echo] 9—95197

Bezryadin, N.N. *see* Sysoev, B.I. 9—56322

Bezshkurenko, L.T., Kulyanova, V.I. Color rendition quality in TV by metal halogen light sources use 9—76785

Bezuglaya, G.V. *see* Dmitrenko, I.M. 9—91188

Bezuglov, A.A., Frolov, M.M. Effect of REM on the magnetic properties, structure, and phase transformations of a Ticonal alloy 9—99732
Bezuglov, N.N. *see* Aleksandrov, E.B. 9—63961
Bezuglyi, P.A., Burma, N.G., Grishin, A.M., Kabanov, A.E. Spiral cyclotron waves in metals with open Fermi surface 9—99771
Bezuglyi, P.A. *see* Fil', V.D. 9—60976
Bezuidenhout, D.F. *see* McDowell, M.W. 9—76843
Bezur, L. *see* Kantor, T. 9—100477
Bezverkhaya, A.P. *see* Avakyan, R.O. 9—59051
Bezy, M. *see* Crochet, M.J. 9—60017
Bhadeshia, H.K.D.H., Edmonds, D.V. Tempered martensite embrittlement: role of retained austenite and cementite 9—74251
Bhadeshia, H.K.D.H., Edmonds, D.V. The Bainite transformation in a silicon steel 9—100134
Bhadra, D.K. *see* Kamperschroer, J.H. 9—94805
Bhadra, K., Callaway, J., Henry, R.J.W. Electron-impact excitation of n=2 levels of helium at intermediate energies 9—76517
Bhadram, C.V.V. *see* Sastry, V.U.K. 9—60068
Bhaduri, D. *see* Agarwal, S.K. 9—83940
Bhaduri, R.K. *see* Dutta, A.K. 9—67638
Bhagat, D.M. *see* Shah, H.S. 9—81362
Bhagat, J.B. *see* Shah, H.S. 9—81362
Bhagat, S.M., Lloyd, J.N., Paul, D.K. Spin resonances in amorphous Y-Fe alloys 9—51860
Bhagat, S.M., Spano, M.L., Rao, K.V. Temperature dependence of the magnetization in amorphous alloys 9—73818
Bhagat, S.M. *see* Liu, C.M. 9—73860
Bhagat, S.M. *see* Lloyd, J.N. 9—73819
Bhagat, S.M. *see* Malmhall, R. 9—91013
Bhagat, V.R. *see* Kasthuri Rengan, S. 9—93188
Bhagavan Raju, I.V.K., Strunk, H. Glide on {111} planes in NaCl 9—82234
Bhagiratha Rao, E. *see* Srirama Rao, M. 9—88534
Bhagwat, A.M., Soman, S.D. A simple set-up for single surface electrochemical etching (ECE) of charged particle tracks 9—76283
Bhagwat, A.M. *see* Shah, S.M. 9—63815
Bhakar, B.S., van Oers, W.T.H. Highlights of the Third International Conference on Clustering Aspects of Nuclear Structure and Nuclear Reactions 9—80887
Bhakar, B.S., van Oers, W.T.H. On polarization phenomena in proton-deuteron elastic scattering at medium and high energies 9—85448
Bhalla, A.S., Spear, K.E., Cross, L.E. Crystal growth of antimony sulphur iodide 9—66000
Bhalla, A.S. *see* Brun, M.K. 9—91577
Bhalla, C.P. *see* Tunnell, T.W. 9—81153
Bhalla, K.B., Hertzman, S., Oskarsson, A., Otterlund, I., Jakobsson, B. Properties of participants and spectators in non-peripheral Fe-induced reactions at 1.7 A GeV 9—49636
Bham, W., Gupta, D., Weppner, J., Didier, H.J. Nuclear materials management in a uranium enrichment facility based on the separation nozzle process 9—85747
Bhamra, K.S. *see* Tiwari, R.N. 9—67122
Bhan, C. *see* Mehta, P.C. 9—81387, 9—81389
Bhandari, B.S. Three-hump fission barrier in ^{232}Th 9—67788
Bhandari, S.S. *see* Talekar, V.L. 9—50857
Bhanja, R., Bose, S.K., Tuli, S.K. Threshold energy for the registration of alpha tracks in diacel plastic track detector 9—59312
Bhanja, S., De, U., Barua, A.K. The effect of a magnetic field on the thermal conductivity of NO-N_2 and NO-H_2 mixtures 9—94764
Bhanot, D., Chawla, S.L. Corrosion resistance of pure copper, its alloys and stainless steel in chlorinated lime slurry and calcium hypochlorite solution 9—83390
Bhanot, G., Fischler, W., Rudaz, S. A multipole expansion and the Casimir-Polder effect in quantum chromodynamics 9—80797
Bhanot, G., Peskin, M.E. Short-distance analysis for heavy-quark systems. II. Applications 9—93345
Bhanti, D.P. *see* Kotrappa, P. 9—76255
Bhanwar Singh *see* Rajagopalan, S. 9—56871
Bhar, G.C., Ghosh, G. Temperature-dependent Sellmeier coefficients and coherence lengths for some chalcopyrite crystals 9—76752
Bhar, G.C. *see* Banerji, S. 9—58437
Bhar, J.N. *see* Dutta, S.K. 9—101003
Bhar, T.N., Dat, R. The effect of baking on the quality of GaAs LPE layers 9—99641
Bhar, T.N. *see* Singh, R. 9—79394
Bharadwaj, V.K. *see* Loomis, W.A. 9—71757
Bhardwaj, R.K. *see* Dutta, H.N. 9—88527
Bhargava, B., Srivastava, A.P. Thermally stimulated discharge currents in polystyrene thin films 9—78609
Bhargava, M.K. *see* Ellner, M. 9—99119
Bhargava, R., Agarwal, R.S. Fully developed free convection flow in a circular pipe 9—64766
Bhargava, R., Kumar, D. Excitations in spin-glasses 9—78419
Bhargava, R. *see* Agarwal, R.S. 9—55415
Bhargava, R.D., Gupta, P.K. Second-order torsion problem of a cylinder consisting of different isotropic homogeneous compressible elastic materials 9—72808
Bhargava, R.N. *see* Fitzpatrick, B.J. 9—69881
Bhargava, R.N. *see* Kosai, K. 9—99572
Bhargava, S. *see* Ray, N.K. 9—85897
Bhargava, S.C., Knudsen, J.E., Morup, S. Mossbauer investigation of spin-lattice relaxation of paramagnetic Fe^{3+} ions in $NH_4Al(SO_4)_2.12H_2O$ 9—95688
Bhargava, V.K., Rao, V.K., Marathe, S.G., Sahakundu, S.M., Iyer, R.H. Separation of heavier rare earths from neutron irradiated uranium targets 9—67785
Bhargava, V.K. *see* Marathe, S.G. 9—49642
Bhargava, V.K. *see* Rao, V.K. 9—59005
Bharuth-Ram, K. *see* Bockisch, A. 9—71790
Bhaskar, N.D., Hou, M., Suleman, B., Happer, W. Propagating, optical-pumping wave fronts 9—89974
Bhaskar, N.D., Zouboulis, E., Novak, R., Happer, W. Laser-excited cross fluorescent emission from cesium molecules 9—76459
Bhaskar Roo, P. *see* Sarma, N.V.L.S. 9—89472
Bhaskara, R.K. *see* Vasudeva, R.Y. 9—77000
Bhaskara Rao, N. Digital strain gage eliminates A-D converter 9—67281
Bhaskara Rao, P. *see* Ghosh, S.N. 9—69051
Bhaskaran, P. *see* Ramamurthy, A.S. 9—77193
Bhat, C.L., Razdan, H. A clock synchronization circuit using transmitted time-codes 9—67257
Bhat, I.S. *see* Hedge, A.G. 9—79663
Bhat, P.K., Das, S.R., Pandya, D.K., Chopra, K.L. Back illuminated high efficiency thin film Cu_2S/CdS solar cells 9—74515
Bhat, P.K. *see* Rajagopalan, S. 9—56871
Bhat, R.S., Rajasingh, C.K. The Aryabhata satellite project: orbit computations 9—84655
Bhat, S.P., Laird, C. Cyclic flow stress and microstructural changes during multiple step testing at elevated temperatures 9—91746
Bhat, S.V., Mahendroo, P.P. Nuclear magnetic resonance studies of the structural phase transitions in $RbCaF_3$ 9—65191
Bhateja, S.K., Rieke, J.K., Andrews, E.H. Impact fatigue response of ultra-high molecular weight linear polyethylene 9—100242
Bhatia, A.B., March, N.H. Statistical mechanical theory of liquid surface tension 9—82414
Bhatia, A.K., Doscheck, G.A., Feldman, U. New atomic data for O^{+2} 9—86069
Bhatia, A.K. *see* Dere, K.P.. 9—88633
Bhatia, A.L., Gupta, M.L., Singh, R.P. Response of mice liver to continuous β-irradiation from tritiated water 9—57719
Bhatia, D.P., Nagarajan, P.S. Computed LET distributions in the build-up region of tissue for 14 MeV neutrons 9—96664
Bhatia, G., Aggarwal, R.K. A comparative study of the characteristics of baked carbon mixes employing different filler materials 9—57052
Bhatia, K., Sharma, R.C., Gaur, H.C. Conductivity of molten hydrated salts: $Mg(NO_3)_2.6H_2O+NH_4NO_3$ system 9—51288
Bhatia, K.L., Katyal, S.C., Venugopalan, S. Far infrared transmission and structures of Pb-Ge-S semiconducting glasses 9—65855
Bhatia, M. Science and technology policy in India. Secondary sources of information 9—49009
Bhatia, T.S. *see* Dehnhard, D. 9—63700
Bhatia, T.S. *see* Fuchs, H. 9—59076
Bhatia, V.S., Gurmukh Singh On improvement of charge resolution of cosmic ray particles using a cellulose nitrate plastic detector 9—84671
Bhatia, V.S. *see* Singh, G. 9—84608
Bhatnagar, C.S. *see* Shrivastava, V.K. 9—91341
Bhatnagar, G.S. *see* Prakash, H. 9—59748, 9—72633, 9—89947
Bhatnagar, P.K. *see* Srivastava, G.P. 9—87993
Bhatnagar, R. *see* Goel, S.K. 9—98945
Bhatnagar, R.K. Fluctuating flow of a viscoelastic fluid in a porous channel 9—64774
Bhatnagar, R.K., Zago, J.V. Numerical investigations of flow of a viscoelastic fluid between rotating coaxial disks 9—77041
Bhatnagar, S.S., Guha, B.K., Sinha, R.K. Vanadium high-strength low-alloy steels for low-temperature use 9—70118
Bhatnagar, V.P. *see* Messiaen, A.M. 9—77361, 9—99000
Bhatnagar, V.P. *see* Weynants, R.R. 9—98932
Bhatt, B.S., Sacheti, N.C. On the analogy in slip flows 9—64707
Bhatt, B.S. *see* Sacheti, N.C. 9—60039
Bhatt, C. *see* Pradhan, A.S. 9—85815
Bhatt, I.M. *see* Prajapati, S.N. 9—57148
Bhatt, I.M. *see* Soni, K.P. 9—57149
Bhatt, M.M. Measurement of solar radiation (global and diffuse), atmospheric turbidity and sunshine at Bhavnagar (Gujarat) 9—58072
Bhatt, N.B. Acoustics, architecture and performing arts 9—94407
Bhatt, R.C. Personnel neutron dosimetry in criticality accidents—A new approach 9—85817
Bhatt, R.C. *see* Chandra, B. 9—93881
Bhatt, R.C. *see* Lakshmanan, A.R. 9—79661, 9—83039, 9—89507, 9—91507
Bhatt, R.C. *see* Pradhan, A.S. 9—59304
Bhatt, R.N. [111] phonon dispersion in Nb_3Sn 9—73283
Bhatt, R.N. Electronic instabilities and phonon softening in A-15 compounds 9—95115
Bhatt, R.N., Rice, T.M. Theory of optical absorption in expanded fluid mercury 9—95801
Bhatt, R.N. *see* Capizzi, M. 9—91477
Bhatt, S.C. *see* Crowther, R.L. 9—59138
Bhatt, V.P., Trivedi, S.B. Growth of hollow Se-Te whisker crystals 9—99464
Bhatt, Y.C., Schubert, K. Crystal structure of PdBi.r 9—77556
Bhatt, Y.C. *see* Mayer, H.W. 9—94963
Bhattacharjee, B., Paul, R., Paul, S. The order parameter of 4-methoxy-4-n-butylbenzylideneaniline (MBBA) from X-ray diffraction data 9—69009
Bhattacharjee, J.K. *see* Ferrell, R.A. 9—63387, 9—73357, 9—82708, 9—86943
Bhattacharjee, R.C. *see* Forst, W. 9—50107
Bhattacharya, A. *see* Shvartz, E. 9—100576
Bhattacharya, A.B., Sarkar, S.K., Sen, A.K. Atmospheric electricity in relation to cloud physics 9—70842
Bhattacharya, A.B. *see* Sarkar, S.K. 9—88550
Bhattacharya, B., Biswas, N.N. Implications of North Pacific plate tectonics in central Alaska: focal mechanisms of earthquakes 9—79806
Bhattacharya, D. *see* Banerjee, A. 9—67210
Bhattacharya, D.K. *see* Singh, P. 9—50722, 9—98726
Bhattacharya, D.K. *see* Singh, S. 9—72934
Bhattacharya, D.L. *see* Roy, S.K. 9—56633
Bhattacharya, D.P. *see* Mukhopadhyay, D. 9—91056
Bhattacharya, K., Goswami, T.D. A search for rare types of fission induced in silver and bromine nuclei 9—63708
Bhattacharya, M. *see* Bose, M. 9—61241, 9—82893
Bhattacharya, P.K. *see* Andersen, S.K. 9—97482
Bhattacharya, R.S., Hasselkamp, D., Schartner, K.-H. Energy dependence of excitation in sputtering 9—56906
Bhattacharya, S., Krishan, K. $1h_{11/2}$ states in ^{93,95}Zr 9—89226
Bhattacharya, S., Mittal, K.L. Mechanics of removing glass particulates from a solid surface 9—50676
Bhattacharya, S., Shen, S.Y., Ketterson, J.B. Ultrasonic study of a smectic-B liquid crystal 9—55828
Bhattacharya, S., Shen, S.Y., Ketterson, J.B. Anisotropic ultrasound propagation in a smectic-A liquid crystal 9—55829
Bhattacharya, S.C., Kapur, V.K. Investigation on the feasibility of using a two-phase thermosyphon for solar storage, space heating and cooking 9—57491
Bhattacharyya, A., Anderson, A.C. Low-temperature thermal conductivity of polyethylene 9—73351
Bhattacharyya, A., Smith, T.L., Anderson, A.C. Low temperature thermal conductivity and specific heat of elastomers 9—65265
Bhattacharyya, A.B., Chaudhari, P.K. Characteristics of plasma-oxidized nitride MOS structures 9—65552
Bhattacharyya, A.B., Nahar, R.K., Nagchoudhuri, D., Vasi, J. Electrical properties of CdS-SiO_2-Si structures 9—56286
Bhattacharyya, A.B. *see* Sudhakar, P. 9—59899
Bhattacharyya, D.K. *see* Lue-Yung Chow Chiu 9—64050
Bhattacharyya, D.P., Roychoudhury, R.K. Energy spectra of secondary gamma rays at different atmospheric depths 9—58205
Bhattacharyya, D.P. *see* Roychoudhury, R.K. 9—54364
Bhattacharyya, G.N. *see* Guhathakurta, B.K. 9—84574
Bhattacharyya, J.C., Sundareswaran, A. An analog system for fast light curve registration 9—53725
Bhattacharyya, P., Chattopadhyay, R.K., Sethi, B., De, A., Chatterjee-Das, J.M., Mukherjee, S.K. Decay of the 83 min ground state of ^{75}Ge 9—67713
Bhattacharyya, S. Surface waves in magnetoviscoelastic solids under initial stress 9—84140
Bhattacharyya, S., Sengupta, P.R. Effects of initial stress on reflection and refraction of plane waves at a plane interface of two elastic solid media 9—62445
Bhattacharyya, S. *see* Bock, F.C. 9—96107
Bhattacharyya, S. *see* De, S.K. 9—81734
Bhattacharyya, S.K., Smith, D.M., McKnight, R.D., LeSage, L.G. Experimental study of reactivity worths of simulated LMFBR meltdown configurations 9—81036
Bhattacharyya, S.S., Dickinson, A.S. Interrelations between classical cross sections for rotational transitions in sudden atom-molecule collisions 9—89751
Bhattacharyya, T.K. A short note on the two dimensional flow of inviscid fluid past a cassini oval having a line source in front of it 9—94755
Bhattacharyya, T.K., Ramachandra, S., Goswami, A.K. Low temperature bellow actuated solar pump 9—74504
Bhattacherjee, S. *see* Mukherjee, P.S. 9—77742
Bhattachrya, S., Basu, S.K. Positive-parity states of ^{85}Kr 9—75845
Bhaumik, M.L. *see* Rothe, D.E. 9—59678

Bhavaraju, S.M., Mashelkar, R.A., Blanch, H.W. Bubble motion and mass transfer in non-Newtonian fluids. I. Single bubble in power law and Bingham fluids 9−50758

Bhavnani, K. *see* Aarons, J. 9−58182

Bhavsar, V.C. *see* Puri, G.G. 9−62024

Bhawalkar, D.D. *see* Nath, A.K. 9−94206

Bhawalkar, R.H. *see* Bhide, V.G. 9−62033

Bhide, V., Gasperin, M. A new GTB-type thallium niobate 9−69065

Bhide, V.G., Bhawalkar, R.H., Tripathi, T.C. Selective surfaces for solar energy utilization 9−62033

Bhide, V.G., Kandpal, M.C. Mossbauer study of Brownian motion of $FeSnO_3$ particles in liquid-crystal N-(p-ethoxybenzylidene)-p'-butylaniline (EBBA) 9−95691

Bhide, V.G., Malhotra, B.D., Jain, P.C. Positron annihilation studies in N-(p-hexyloxybenzylidene)-p'-toluidene (HBT) 9−61460

Bhide, V.G., Sootha, G.D., Vaishya, J.S. Testing of solar energy flat plate collectors 9−62061

Bhide, V.G. *see* Sarna, R.K. 9−55657

Bhimasankaram, V.L.S., Mohan, N.L., Seshagiri Rao, S.V. Interpretation of magnetic anomalies of dikes using Fourier transforms 9−58106

Bhirud, V.L. Saturated liquid densities of normal fluids 9−51182

Bhogeswara Rao, D. *see* Jacob, K.T. 9−57222

Bholagir, A. *see* Sharon, M. 9−52110

Bholagir, A.P. *see* Sharon, M. 9−62016

Bhole, A.M. *see* Nabar, M.A. 9−66028

Bhonsle, R.V. *see* Lokanadham, B. 9−84579

Bhowmick, J.B. A method to find out flow variables behind the shock surface in strong point explosions in axisymmetric media 9−68736

Bhowmik, N.G., Stall, J.B. Circulation patterns in the Fox Chain of Lakes in Illinois 9−53391

Bhowmik, R.K., Poilacco, E.C., Sanderson, N.E., England, J.B.A., Morrison, G.C. Pre-emission of α particles in deep-inelastic reactions 9−93649

Bhuiyan, L.B. *see* Outhwaite, C.W. 9−74391

Bhushan, B., Dauer, F.W. Experimental determination of the relaxation modulus of a linear-isotropic-viscoelastic material 9−61810

Bhushan, B. *see* Handa, S.K. 9−62086

Bhushan, M. *see* Sherrill, M.D. 9−65608

Bhushan, S., Pandey, A.N., Rao Kaza, B. Low temperature studies of electro- and photoluminescence of rare earth (Yb, Nd, Pr, or Sm) doped ZnO electroluminophors 9−83024

Bhutani, A.K. *see* Rohatgi, P.K. 9−61578

Bi-Qing Ye *see* Ye Bi-Qing

Bi-Zhen Dong *see* Dong Bi-Zhen

Biagi, S.F. *see* Batty, C.J. 9−76535, 9−98253

Biagi, S.F. *see* Davies, J.D. 9−55008, 9−86088

Biagini, M.E. *see* Bassetti, M. 9−72066

Biais, J. *see* Bellocq, A.M. 9−79308

Biais, J. *see* Bellocq, A.-M. 9−82339

Biais, J. *see* Clin, B. 9−93195

Bialas-Borgiel, K., Sojka, M., Zipper, E. On the magnon bottle neck and magnon avalanche effects in nuclear spin-lattice relaxation 9−51877

Bialetzki, J., Lohmann, A.W., Weigelt, G.P. Astro-speckel interferometry with multiple mirror telescope 9−80237

Bialkowski, G. The scope, tasks and needs of didactics of physics 9−88781

Bialkowski, M. *see* Majewski, A. 9−76546

Biallas, G.H. *see* Strauss, B.P. 9−68045

Bialo, D. *see* Stanczak, T. 9−49199

Bialon, J., Wyslocki, B. Investigation of domain walls in thin permalloy films by the low-angle electron deflection method 9−87298

Bialynicki-Birula, I., Van, C.L. New algorithm for numerical calculations of energies of N-level systems interacting with quantized electromagnetic field 9−64187

Bian, S. Dynamic analysis of a fusion system using the system transfer function 9−93825

Biancardi, F.R., Melikian, G. Analysis and design of an 18-ton solar-powered heating and cooling system 9−52897

Bianchi, A., Garbi, M. Down-conversion in the 4-18 μm range with GaSe and $AgGaSe_2$ nonlinear crystals 9−86215

Bianchi, E. *see* Alfonso, G.C. 9−95992

Bianchi, G., Fiori, G., Longhi, P., Mazza, F. 'Horse shoe' corrosion of copper alloys in flowing sea water: mechanism, and possibility of cathodic protection of condenser tubes in power stations 9−66199

Bianchi, L. *see* Bernacca, P.L. 9−67050

Bianchi, L. *see* Michel, B. 9−83899

Bianchi, M. *see* Hendry, J.H. 9−96630

Bianchi, R., Destro, R., Pilati, T., Simonetta, M. A discussion on constrained refinements 9−68972

Bianchini, A. *see* Sabbadin, F. 9−62894, 9−62895, 9−84846, 9−84847, 9−84848

Bianciardi, E., Rizzoli, V. An electromagnetic analysis of the transmission properties of radial offsets in round optical fibers 9−81566

Bianco, J.A., Makey, D.G., Laskey, W.K., Shafer, R.B. Radionuclide left ventricular dV/dt for the assessment of cardiac function in patients with coronary disease 9−79633

Bianconi, A., Bachrach, R.Z., Flodstrom, S.A. Oxygen chemisorption on Al: Unoccupied extrinsic surface resonances and site-structure determination by surface soft-X-ray absorption 9−73403

Bianconi, A., Bachrach, R.Z., Hagstrom, S.B.M., Flodstrom, S.A. Al-Al_2O_3 interface study using surface soft-X-ray absorption and photoemission spectroscopy 9−69595

Bianconi, A., Stizza, S., Bernardini, R., Nannarone, S. Electronic structure of Ti_2O_3 from single crystal thermoreflectance spectroscopy 9−87420

Bias, F.A. *see* Wilkinson, D. 9−71626

Biase, G.A.de *see* de Biase, G.A.

Biase, G.A.De *see* De Biase, G.A.

Bibber, K.Van *see* Van Bibber, K.

Biberacher, W. *see* Lerf, A. 9−87180

Biberman, L.M. *see* Asinovskii, E.I. 9−89884

Biberman, L.M. *see* Belevtsev, A.A. 9−82117

Bibet, D., Dael, A., Ohayon, M. The GANIL magnet 9−54641

Bibik, E.E. *see* Vysota, A.M. 9−52788

Bibikov, N.G. Dynamics of the expected discharge-rate density function of auditory neurons for various tone-stimulus intensities 9−88089

Bibilashvili, Yu.K. *see* Reshetnikov, F.G. 9−97812

Bibiloni, A.G. *see* Lopez-Garcia, A.R. 9−78589

Bibiloni, A.G. *see* Martinez, J.A. 9−82902

Biblarz, O. *see* Khait, Y. 9−94834

Bible, R.E., DeAguiar, J.R. Electro-optics in industrial metrology 9−86271

Bibliocca, C., Cuypers, M., Ley, J. List of reference materials for non-destructive assay of U, Th and Pu isotopes 9−49702

Bibok, G. *see* Gal, J. 9−76308

Bicak, J. On the theories of the interacting perturbations of the Reissner-Nordstrom black hole 9−97021

Bicelli, L.P. *see* Lazzari, M. 9−66016

Bicerano, J. *see* Sundberg, K.R. 9−97968

Bichkov, Y.I., Gorbatenko, A.I., Losev, V.F., Mesyats, G.A., Tarasenko, V.F. Effective XeCl-laser performance conditions with combined pumping 9−94250

Bichsel, H. *see* Weaver, K.A. 9−70646

Bichurin, R.Ch. *see* Kurbanov, Kh.M. 9−95916

Bichutskaya, T.I. Field of degenerate modes 9−64160

Bickel, C.E. *see* Warner, J.L. 9−62766

Bickel, G.W. *see* Foltzer, L.E. 9−50431

Bickel, H.J., Lord, A.J.R. A guide to better spectrum analysis 9−50516

Bickel, W.S. Optical system for light scattering experiments 9−76786

Bickerton, R.J. Review of Tokamak experiments. I 9−98967

Bickerton, R.J. Review of Tokamak experiments. II 9−98968

Bickes, R.W., Jr., O'Hagan, J.B. Deuterium-ion-beam impurities produced by a gas-discharge ion source (duopigatron) 9−86592

Bickford, W.B. Lower bounds to eigenvalues of piecewise continuous elastic systems 9−50604

Bicking, C.A. Precision in the routine performance of standard tests 9−74315

Bickle, M.J. *see* Hawkesworth, C.J. 9−66658

Bicknell, J. *see* Brotherton, S.D. 9−82542

Bicknell, W.E. *see* Tomasetta, L.R. 9−59706

Biczo, G., Lukovits, I. Are intermediate states responsible for certain specific properties of biological macromolecules? 9−96511

Bida, G.V. *see* Aronson, E.V. 9−52601

Bida, G.V. *see* Mikheev, M.N. 9−70277

Bida, G.V. *see* Pyatunin, G.A. 9−91894

Bidaux, R., Conte, R., Nasser, J.A. Magneto-elastic coupling by dipolar interactions: spin orientation in MnO 9−78494

Bidaux, R. *see* Andre, G. 9−61023

Bidelman, W.P. *see* Adelman, S.J. 9−88659

Bidelman, W.P. *see* Cowley, A.P. 9−66999

Bidelman, W.P. *see* Keenan, P.C. 9−88683

Bidenko, V.A., Grankin, I.M., Nelin, E.A., Pogrebnyak, V.P. Synthesis of surface acoustic wave filters with asymmetric amplitude-frequency response 9−68521

Bidmead, G.F. Electrodeposited and associated coatings 9−91596

Bieber, A. *see* Andre, J.J. 9−54861

Bieber, A.M., Jr. An integrated US/IAEA safeguards exercise at a low-enriched uranium fuel fabrication facility 9−85736

Biebuyck, J.J. *see* Godard, P. 9−61914

Biedenbach, J.M. Continuing education: successful programs must meet real needs 9−80414

Biedenharn, L.C. *see* Alcaras, J.A.C. 9−97228

Biederbeck, H. On the influence of matter on space and time 9−67197

Biederbeck, H. Theory of relativity and Mach's principle 9−88843

Biederbeck, H. Modified theory of gravitation with regular solutions 9−88844

Biederman, H. Fluorocarbon films sputtered under various conditions 9−52115

Biederman, N. *see* Talib, A. 9−61958

Biefeld, R.M., Johnson, R.T., Jr. Ionic conductivity of Li_2O-based mixed oxides and the effects of moisture and LiOH on their electrical and structural properties 9−69283

Biefeld, R.M., Johnson, R.T., Jr. The effects of Li_2SO_4 addition, moisture, and LiOH on the ionic conductivity of Li_5AlO_4 9−99362

Biefeld, R.M. *see* Butler, M.A. 9−82889

Biefeld, R.M. *see* Johnson, R.T., Jr. 9−65248

Biegala, L. Negative magnetocaloric effect in uniaxial ferromagnets 9−82783

Biegala, L., Kalva, Z., Veltrusky, I. Influence of the magnetic field direction on the magnetocaloric effect in ferrimagnets 9−78379

Bieganski, Z. *see* Drulis, M. 9−82355

Biegelsen, D.K. *see* Street, R.A. 9−61418

Biegnaski, Z., Drulis, M. Low temperature specific heats of samarium trihydride. Second-order phase and crystal field splitting effects 9−87279

Biehl, H. Early diagnosis of mammary cancer by mammography 9−100724

Biel, J., Ferbel, T., Ford, W., Golding, L., Mollet, W., Slattery, P., Underwood, D., Gobbi, B., Kenah, L., Rosen, J., Ruchti, R., Bleser, E., Freytag, D. Diffractive dissociation using nuclear targets 9−89309

Biel, J.R. *see* Bartlett, J.F. 9−89535

Bielamowicz, S.M. *see* Sakurada, Y. 9−54680

Bielawski, W.B. Technological aspects of a low loss waveguide communicator 9−50388

Biele, B. *see* Arndt, E. 9−97758

Bielefeldt, D. *see* Burger, H. 9−76431

Bielek, K.-H., Storm, H. 'TELEFLUX', an optimal transmission system 9−76865

Bielik, M., Kurkin, M. Evaluation of formulae of the method of the second derivative of gravity by menas of the Fourier transformation 9−100987

Bielski, A., Darowicki, H., Szudy, J. Broadening effects on the 632.8 nm NeI line due to a helium-neon mixture 9−54941

Bielski, B.H.J. *see* Weinstein, J. 9−83444

Bien Zeun Nam *see* Zeun Nam Bien

Bienenstock, A. Applications of synchrotron radiation 9−67448

Bieniawski, Z.T. Determining rock mass deformability: experience from case histories 9−53341

Bienkowski, G.K. *see* Williams, M.H. 9−60006

Bienvenu, G. Influence of the spatial coherence of the background noise on high resolution passive methods 9−64387

Bier, D.M. *see* Matthews, D.E. 9−79694

Bieri, G. *see* Lindholm, E. 9−50081

Bierman, G.J., Lipes, R.G., Wentz, F.J. Modern estimation techniques applied to microwave sensing of the marine boundary value 9−74993

Bierman, S.R., Durst, B.M., Clayton, E.D., Scherpelz, R.I., Kerr, H.T. Critical experiments with fast test reactor fuel pins in water 9−59162

Bierman, S.R. *see* Durst, B.M. 9−63789, 9−85726

Biermann, A.H. *see* Ondov, J.M. 9−92108

Biermann, P., Clarke, J.N., Fricke, K.J. H I observations of S0 galaxies 9−67090

Biermann, P., Clarke, J.N., Fricke, K.J. H I observations of active and interacting galaxies 9−67091

Biermann, P., Shapiro, S.L. Puffing up flat galaxies by rapid stripping and the formation of S0 galaxies 9−62908

Biermann, P. *see* Beck, R. 9−92853

Biernat, H., Kriechbaum, M. Stress dependence of effective mass and Lande factor of n-type indium antimonide 9−95313

Bies, D.A., Hansen, C.H. Measurements of the radiation impedance presented to a source in a reverberant room containing a rotating diffuser 9−50510

Bies, D.A. *see* Fuller, C.R. 9−55257

Bies, D.A. *see* Hansen, C.H. 9−55262

Bies, D.A. *see* Tonin, R.F. 9−68620

Biesterbos, J.W.M., Dirks, A.G., Farla, M.A.J.P., Grundy, P.J. The microstructure and magnetic properties of amorphous Tb-Fe(O_2) thin films 9−91273

Bieszk, J.A. *see* Knutson, L.D. 9−85446

Bieth, C., Dugay, G., Joubert, A., Pagani, C., Baze, J.M. GANIL RF systems 9−72118

Bieth, C. *see* Attal, P. 9−54613

Bietti, A., Petrarca, S. S- and D-wave resonance parameters from the inverse electroproduction reaction in the 'quasi-threshold' kinematical configuration 9−63516

Biewinga, D.T. An experimental study of electromagnetic frequency soundings 9−58129

Bifano, N. *see* Sandquist, G.M. 9−53285

Biffer, J., Becker, M., Badruzzaman, A. Continuous slowing-down theory analysis of space-dependent fast reactor depletion 9−80990

Bigeard, B. *see* Jupille, J. 9−78823

Bigeleisen, J. *see* Gotz, D. 9−90770

Bigelow, R.W. An assessment of the electronic structure of alkylbenzenes 9−54770

Bigelow, R.W. The displacement of molecular orbitals due to interaction with charged species 9−63926

Bigelow, R.W. A CNDO/S study on the T_n←T_1 absorption spectrum of 1,1'-binaphthyl 9−76355

Bigelow, R.W. Higher-lying singlet states of poly-n-vinylcarbazole 71: a CNDO/S study 9−89815
Bigeon, M.C. *see* Huet, M. 9−68326
Biget, M., Maury, F., Vajda, P., Lucasson, A., Lucasson, P. Near-threshold displacements in tantalum single crystals 9−60356
Bigg, D.M. Mechanical and conductive properties of metal fibre-filled polymer composites 9−91808
Bigger, J.T., Jr. *see* Birman, K.P. 9−70662
Biggers, J.V., Bind, J.M., Licht, R.H. Effect of acid etching on the cutting performance of alumina based tools 9−96169
Biggers, J.V., Shrout, T.R., Schulze, W.A. Densification of PZT cast tape by pressing 9−87595
Biggers, J.V. *see* Schulze, W.A. 9−78629
Biggerstaff, J.A. *see* Appleton, B.R. 9−77658
Biggerstaff, J.A. *see* Gomez del Campo, J. 9−67771, 9−71873
Biggerstaff, J.A. *see* Milner, W.T. 9−93900
Biggerstaff, J.A. *see* Moak, C.D. 9−51178
Biggs, P.J., Boyer, A.L., Doppke, K.P. Electron dosimetry of irregular fields on the Clinac 18 9−100747
Biggs, P.J., Ling, C.C. Electrons as the cause of the observed d_{max} shift with field size in high energy photon beams 9−83938
Biggs, P.J. *see* Ling, C.C. 9−83939
Biggs, W.M. *see* Zaalouk, M.G. 9−67916
Bigham, C.B. The Chalk River superconducting heav-yion cyclotron RF structure 9−54673
Bigham, C.B. *see* Ormrod, J.H. 9−54657
Bigi, F., Bonaventura, G., Senmoto, S. Optical fibre studies in the CCITT 9−90031
Bigi, I.I.Y. Angular energy flow beyond lowest order 9−93351
Bigi, I.I.Y., Nussinov, S. Some comments on hadronic Υ decays 9−49518
Bigi, I.I.Y., Walsh, T.F. Angular energy flow in perturbative QCD 9−49455
Bignier, M. The Spacelab program: international participation 9−84642
Bignoli, G., Bertozzi, G. Modelling of artificial radioactivity migration in environment: a survey 9−96487
Bignon, M. Tower-type solar power stations 9−100492
Bigot, J. *see* Matyka, J. 9−99324
Bigun, G.I. On the method of collective variables in the statistical theory of Fermi systems of charged particles 9−88873
Bijvank, E.J. *see* van Ormondt, D. 9−87070
Bijvoet, J. *see* MacLaughlin, D.E. 9−78550
Bikbaev, V.B. *see* Karpinskas, S.Ch. 9−51673
Bikbau, M.Ya., Akramov, R. Radiospectroscopic investigation of the defect contents of rare earth orthosilicates. [for 'rare earth' read 'alkaline earth'] 9−51853
Bikeev, O.N., Gudzenko, A.I., Deryugin, L.N., Osadchev, L.A., Sotin, V.E., Chernyshev, N.I. Properties of a planar acoustooptical modulator-deflector with respect to a light beam of finite cross-section 9−55224
Bilbao, L. *see* Banuelos, A. 9−64162
Bilbro, J.W., Vaughan, W.W. Wind field measurement in the nonprecipitous regions surrounding severe storms by an airborne pulsed Doppler lidar system 9−66812
Bilbro, J.W. *see* Calhoun, M.D. 9−77322
Bilderback, D.H. *see* Mills, D.M. 9−68035
Bildstein, H., Eck, R. Properties of highly deformed tungsten alloys for vacuum technology 9−57046
Bilek, O. *see* Kunne, L. 9−94949
Bilek, Z. A simple model of the double cantilever plate crack propagation specimen 9−64588
Bilek, Z. *see* Buchar, J. 9−91742
Bilen, C.S., Harrison, N., Morantz, D.J. Effects of crystallinity, cross-linking and hydrogen bonding on the strong room temperature phosphorescence of doped methylolmelamines 9−73984
Bilenkii, S.M. On P-odd asymmetries in deep-inelastic scattering of polarized leptons and antileptons on nucleons 9−49527
Bilenko, D.I., Galishnikova, Yu.N., Dvorkin, B.A. Ellipsometric monitoring of dielectric layers in semiconducting structures during their preparation 9−49272
Bilger, G. *see* Pfisterer, F. 9−61987
Bilger, G. *see* Schock, H.-W. 9−61994
Bilham, R.G., Beavan, R.J. Strains and tilts on crustal blocks 9−79773
Bilii, M.U., Kushnirenko, I.Ya., Nedil'ko, S.G. Structure of the phonon wings in the luminescence spectra of the haloid salts solutions with the O_2^- anions impurity 9−52001
Bilijakovic-Franulovic, K., Tomic, S., Prester, M., Djurek, D. Calorimetric study of the phase transitions in HMTTF-TCNQ 9−51253
Bilikmen, S. *see* Willett, J.E. 9−90413, 9−90415
Bilinska, B. *see* Mrevlishvili, G.M. 9−79448
Bilitza, D., Sheikh, N.M., Eyfrig, R. A global model for the height of the F2-peak using M3000 values from the CCIR numerical map 9−101020
Bilitza, D. *see* Rawer, K. 9−58173
Biljakovic-Franulovic, K., Tomic, S., Prester, M., Djurek, D. Specific heat measurements of the quasi one-dimensional conductor HMTTF-TCNQ 9−55897
Bilkadi, Z., Neuman, R.D. Effect of humidity on monolayer desorption at the air-water interface 9−52770
Bil'kov, G.I. *see* Bulygin, A.S. 9−70244
Bill, H., Calas, G. Color centers, associated rare-earth ions and the origin of coloration in natural fluorites 9−61408
Bill, H., Schwan, L., Sigmund, E. A Jahn-Teller model of the S^- ion in KCl and KBr crystals 9−82567
Bill, H. *see* Balestra, C. 9−80654
Bill, H. *see* De Siebenthal, J.M. 9−51855
Bill, H. *see* Montaner, A. 9−73892
Bill, M.G. *see* Mason, R.G. 9−79728
Bill, M.J. *see* Rottersman, M.H. 9−82474
Bill, R.G., Jr., Chen, E., Sutherland, R.A., Bartholic, J.F. Simulating the moderating effect of a lake on downwind temperatures 9−88400
Bill, U., Edge, R.D. Surface roughness using Rutherford backscattering 9−51400
Billan, J., Henrichsen, K.N., Laeger, H., Lebrun, Ph., Perin, R., Pichler, S., Pugin, P., Resegotti, L., Rohmig, P., Tortschanoff, T., Verdier, A., Walckiers, L., Wolf, R. A superconducting high-luminosity insertion in the intersecting storage rings (ISR) 9−72049
Billard, D. *see* Piriou, B. 9−69835
Billard, J. *see* Beguin, A. 9−86680
Billard, J. *see* Domon, M. 9−95141
Billard, J. *see* Fayolle, B. 9−99067
Billard, J. *see* Prasad, S.N. 9−77505
Billard, J. *see* Warenghem, M. 9−55660
Billard, M. *see* Guinot, J.C. 9−81664
Billaud, D., Herold, A. New compounds of graphite-sodium-nitrogen-hydrogen 9−52633
Billaud, D., McRae, E., Herold, A. Synthesis and electrical resistivity of lithium-pyrographite intercalation compounds (stages I, II and III) 9−91601
Billerey, D. *see* Lockwood, D.J. 9−99871
Billia, B., Capella, L. Morphological stability of the unidirectional growth with a planar interface of a dilute binary alloy single crystal; thermodyanmic study of the nonlinear irreversible process 9−86727
Billia, B. *see* Coulet, A.L. 9−96249
Billiau, F. *see* Belloni, J. 9−87935
Billiet, Y. The group P1 and its subgroups. I. Mathematical tools: Automorphism and matrix factorisation 9−51037
Billiet, Y. *see* Bertaut, E.F. 9−99098
Billing, G.D. Semiclassical calculation of energy transfer in polyatomic molecules. I. The N_2+CO_2 system 9−86042
Billing, G.D., Poulsen, L.L. On the use of perturbation theory in the asymptotic region of classical trajectories 9−98199
Billing, G.D. *see* Nyeland, C. 9−76494
Billing, H., Maischberger, K., Rudiger, A., Schilling, R., Schnupp, L., Winkler, W. An argon laser interferometer for the detection of gravitational radiation 9−101076
Billing, M.G., Kirchgessner, J.L., Sundelin, R.M. Simulation measurement of bunch excited fields and energy loss in vacuum chamber components and cavities 9−72164
Billinge, R., Crowley-Milling, M.C. The CERN proton-antiproton colliding beam facilities 9−67996
Billinge, R. *see* Adams, J.B. 9−68064
Billinghurst, M. *see* Gusdal, M.I. 9−54695
Billinghurst, M.W., Rempel, S., Westendorf, B.A. Radiation decomposition of technetium-99m radiopharmaceuticals 9−83907
Billington, E.W. Non-linear mechanical response of various metals. V. Yield condition for isotropic hardening 9−61653
Billiotte, M., Nguyen Van Que Measurement technique by Raman effect of local void fraction in two-phase flows 9−64813
Billman, K.W. *see* Gilbreath, W.P. 9−52901
Billmeyer, F.W., Jr., Rich, D.C. Color measurement in the computer age 9−67372
Billoire, A., Lacaze, R., Morel, A., Navelet, H. The use of QCD in hadronic cascades between heavy quark-antiquark bound states 9−85261
Billy, J. *see* Zrnik, J. 9−70073
Billy, M. *see* Desmaison, J. 9−61766
Billy, M. *see* Lefort, P. 9−66184
Billy, M.de *see* de Billy, M.
Biloen, P., Bouwman, R., Van Santen, R.A., Brongersma, H.H. Surface composition of some selected group VIII/Au and group VIII/Sn alloys 9−69328
Bilpuch, E.G. *see* Chandler, J.R. 9−89276
Bilpuch, E.G. *see* Wells, W.K. 9−93586
Bilt, A.van der *see* van der Bilt, A.
Bilt, A.Van der *see* Van der Bilt, A.
Bilz, H. *see* Buttner, H. 9−80544
Bilz, H. *see* Martin, A.J. 9−95255
Bimberg, D. The electron-hole-liquid in magnetic fields 9−60720
Bimberg, D., Skolnick, M.S., Sander, L.M. Properties of the electron-hole liquid in GaP 9−69882
Bimberg, D. *see* Skolnick, M.S. 9−95332
Bimbot, R., Chiang, T.H., Gardes, D., de Reilhac, L., Rivet, M.F. Measurement of superficial mass of a heavy element constituent of a thin target in the presence of light elements 9−61927
Bimot, L. First studies of the external beam from the Orsay SC 200 MeV 9−54636
bin Darus, H. *see* Ratzlaff, K.L. 9−92019
Bin Yim Moo *see* Moo Bin Yim
Bina, V. A probabilistic-physical formulation of the creep process of heat-resisting 0.5Cr0.5Mo0.25V steel 9−70125
Bina, V. The influence of size-effect on time to rupture under creep conditions 9−77024
Bina, V., Hakl, J. Some mathematical models of changes involving mechanical properties in connection with structural stability 9−91740
Binbrek, O.S., Anderson, A. Infrared and Raman spectra of the lattice vibrations of CH_3Cl and CD_3Cl 9−95741
Bind, J.M. *see* Biggers, J.V. 9−96169
Bindell, J.B. *see* Feinstein, L.G. 9−77969
Bindemann, R., Hempel, E., Kreher, K. Determination of the dielectric constant of GaP from S-C donor-acceptor pair spectra 9−65788
Binder, H., Bobleter, O. A simple method for measuring low activities of $^{14}CO_2$ 9−66388
Binder, J. *see* Dornow, V.A. 9−76253
Binder, K. Recent progress in numerical simulation of spin glasses 9−69689
Binder, K. Theory and 'technical' aspects of Monte Carlo simulations 9−80529
Binder, K., Kalos, M.H. Monte Carlo studies of relaxation phenomena: Kinetics of phase changes and critical slowing down 9−80531
Binder, K., Stauffer, D. Monte Carlo studies of systems with disorder 9−82809
Binder, K. *see* Eiselt, G. 9−78348
Binder, K. *see* Kawabata, C. 9−63168
Binder, K. *see* Kretschmer, R. 9−91200
Binder, K. *see* Stauffer, D. 9−78428
Binder, K. *(editor)* Monte Carlo methods in statistical physics 9−80528
Bindi, R., Lanteri, H., Rostaing, P. Experimental energy distributions of secondary electrons emitted from evaporated targets of aluminium, copper, gold and silver 9−99993
Binding, D.M. *see* Mena, B. 9−60031
Bindslev Hansen, J., Jespersen, P., Lindelof, P.E. Non-equilibrium phenomena in superconducting microbridges 9−56410
Bindslev Hansen, J., Levinsen, M.T., Lindelof, P.E., Dueholm, B., Mygind, J., Pedersen, N.F., Soerensen, O.H. Subharmonic energy gap structure in the Josephson radiation at 35 GHz from a superconducting thin-film microbridge 9−91186
Binet, E.F. *see* Kieffer, S.A. 9−92361
Binetruy, P., Girardi, G. Improved Sterman-Weinberg jet formula 9−63447
Binetruy, P., Girardi, G. Jets in neutrino deep inelastic scattering 9−75762
Bing, O. *see* Bertini, R. 9−63623, 9−85565
Bing-An Li *see* Li Bing-An
Bing-lin Zhou *see* Zhou Bing-lin
Bing-zheng Wang *see* Wang Bing-zheng
Bingham, C.D. *see* Pietri, C.E. 9−81046
Bingham, C.R., Van Der Borg, K., De Meijer, R.J., Der Woude, A. Structure studies of ^{23}Na from the ^{20}Ne(A,p)^{23}Na reaction at E_α=39.5 MeV 9−75848
Bingham, C.R. *see* Cleary, T.P. 9−54404
Bingham, C.R. *see* Toth, K.S. 9−67721, 9−89241
Bingham, D.N., DeHoff, P.H. A constitutive equation for the canine anterior cruciate ligament 9−96592
Bingham, G.E., Wheeler, B.R. A production facility for solidification of high-level radioactive wastes 9−59211
Bingham, J.K. *see* Wood, J.V. 9−78982
Bingham, R., Lashmore-Davies, C.N. On the nonlinear development of the filamentation of an electromagnetic wave in a plasma 9−60151
Bingham, R.G. *see* Warren-Smith, R.F. 9−53893, 9−67030
Binh, D.Hoang *see* Hoang Binh, D.
Binh-Le Ly A method to estimate the degree of consolidation of a non-homogeneous clay layer 9−58110
Binkley, M. *see* Atiya, M.S. 9−80831
Binkovskii, K.V. *see* Pranch, A.S. 9−55812
Binkowski, F.S. A simple semi-empirical theory for turbulence in the atmospheric surface layer 9−84354
Binnenbruck, H., Werheit, H. IR-active phonons of boron and boron carbide 9−82294
Binney, J., Silk, J. Tidal interactions in the expanding Universe: the formation of prolate systems 9−71164
Binney, J. *see* Strimpel, O. 9−92896
Binney, M.F. *see* Lilly, G.M. 9−89462
Binney, S.E. *see* Pritchard, A.W. 9−53013
Binnie, A.M. Unstable flow under a sluice-gate 9−86403
Binnie, D.M., Carr, J., Debenham, N.C., Jones, W.G., Karami, H., Keyne, J., Sarma, N.H. First measurement of the total width of the $\eta'(958)$ meson 9−54343

Binnie, D.M. *see* Brandelik, R. 9—63491, 9—93441

Binnie, D.M. *see* Karami, H. 9—75789

Binnig, G., Hoenig, H.E. The energy gap of superconducting $(SN)_x$ 9—56403

Binnig, G., Hoenig, H.E. Fast loading dilution refrigerator 9—58702

Binning, R.C., Jr. *see* Sando, K.M. 9—89728

Binnoy, J. Elliptical galaxies: prolate, oblate or triaxial? 9—84851

Binogerov, A.Kh. *see* Apshev, S.Zh. 9—80165

Binsma, H. *see* Groenink, J.A. 9—91107

Bintinger, D. *see* Finley, D.A. 9—49625, 9—49626

Biochuk, M.V. *see* Bogaenko, I.N. 9—64483

Biolluz, A. *see* Cadeville, M.C. 9—78069

Biolsi, W.A. *see* Blank, S.L. 9—82844

Biondi, E., Dacquino, G.F., Muller, A.E. Does noise improve learning velocity in a biological net? 9—74636

Biondi, M.A. *see* Johnsen, R. 9—90370, 9—91946

Biondi, M.A. *see* Sipler, D.P. 9—53594

Biot, M.A. New variational-Lagrangian thermodynamics of viscous fluid mixtures with thermomolecular diffusion 9—49185

Biqi Liang *see* Liang Biqi

Biquand, D. On the stability of the viscous remanent magnetization in sedimentary rocks when submitted to AF demagnetization: new experimental results 9—79826

Biraben, F. Efficiency of unidirectional systems used in ring lasers 9—76717

Biraben, F., Bassini, M., Cagnac, B. Line-shapes in Doppler-free two-photon spectroscopy. The effect of finite transit time 9—59416

Biraben, F., Beroff, K., Grynberg, G., Giacobino, E. Relaxation of the sodium atom in the 4D level by collisions with noble gases. I. Experimental aspects 9—68307

Biraben, F. *see* Grynberg, G. 9—68308

Birajdar, N.S. *see* Soundalgekar, V.M. 9—90347

Birattari, C. *see* Acerbi, E. 9—54669

Biraud, Y. *see* Cordier, S. 9—53236

Birbal Singh *see* Jain, S.K. 9—88530

Birbal Singh *see* Prakash, R. 9—75036

Birbrair, B.L. High-amplitude oscillatory states of atomic nuclei 9—97650

Birch, F.S. Magnetic fabric of the Exeter pluton, New Hampshire 9—70791

Birch, J.R., Afsar, M.N. The rotation spectrum of methyl alcohol vapour between 8 and 50 cm^{-1} 9—72305

Birch, J.R., Cook, R.J., Pardoe, G.W.F. A millimetre wavelength absorption in soda lime silica glass 9—82978

Birch, J.R., Parker, T.J. A bibliography on dispersive Fourier transform spectroscopy 9—58806

Birch, P.V. *see* A'Hearn, M.F. 9—70997

Birch, R., Marshall, M. Computation of bremsstrahlung X-ray spectra and comparison with spectra measured with a Ge(Li) detector 9—52047

Birchall, J., de Jong, M.S., Al-Ghazi, M.S.A.L., McKee, J.S.C., Ramsay, W.D., Videla, N. What collinearity effect? 9—75995

Birchall, J. *see* Abegg, R. 9—80934

Birchall, J. *see* Al-Ghazi, M.S. 9—57312

Birchall, T. Iron-57 Mossbauer spectroscopy of Cr_2TeO_6 and Fe_2TeO_6 9—56636

Birchall, T. *see* Manning, P.G. 9—74917

Birchall, T. *see* Ruebenbauer, K. 9—56631

Birchenall, C.E. *see* Partain, L.D. 9—56217

Birchenough, A., Wyatt, S.J.F. Vibration measurement using a frequency biased laser velocity meter 9—98675

Bird, C.E. *see* Kruger, S. 9—70205

Bird, G.A. Direct simulation of the incompressible Kramers problem 9—94666

Bird, G.R. *see* Piechowski, A.P. 9—61887

Bird, H.A. *see* Jobbins, B. 9—100761

Bird, J.D., Russell, L.H., Scott, M.D., Ambrose, W.R. Obsidian characterization with elemental analysis by proton induced γ-ray emission 9—74442

Bird, P.D. *see* Wall, B.F. 9—92375

Bird, R.B. Use of simple molecular models in the study of the mechanical behavior of solutions of flexible macromolecules 9—59957

Bird, R.P. *see* Rohrig, N. 9—53196

Birdsall, C.K. *see* Jae Koo Lee 9—77368, 9—77369

Birdwell, J.D. *see* Mazzola, C.J. 9—98549

Birecki, H., Amer, N.M. Laser-ripplon scattering from lecithin monolayers at the air-water interface 9—99894

Birer, A. *see* Seylaz, J. 9—57829

Biretta, J.A. *see* Clark, F.O. 9—97050

Birey, H. Anodization rate and augmentation factor of anodic aluminium oxide films 9—79152

Birgeneau, R.J., Cowley, R.A., Shirane, G. Fluctuations near the percolation threshold in two and three dimensions 9—78390

Birgeneau, R.J. *see* Davidov, D. 9—73297

Birgeneau, R.J. *see* Endoh, Y. 9—61140

Birgeneau, R.J. *see* Heilmann, I.U. 9—91223

Birgeneau, R.J. *see* Litster, J.D. 9—95129

Birgeneau, R.J. *see* Stephens, P.W. 9—73382

Birger, B.I., Shlesberg, S.G. Convective instability of multilayered and nonhomogeneous models of the Earth's mantle 9—62476

Birger, I.A. Determinate and statistical models with damage summation 9—90188

Birien, P. *see* Bertini, R. 9—63623, 9—85565

Birjega, M.I., Popescu-Pogrion, N., Sarbu, C. Long-range order (LRO) in thin NiCr (70:30) films 9—60657

Birjega, M.I., Popescu-Pogrion, N., Sarbu, C., Teodorescu, I.A. Structural transformations induced during the annealing of thin Ni-Cr films 9—77965

Birjega, M.I., Popescu-Pogrion, N., Sarbu, C., Topa, V. Particularities in the growth behaviour of vacuum-evaporated chromium thin films 9—82496

Birjega, M.I., Popescu-Pogrion, N., Teodorescu, V., Topa, V. Coalescence behaviour of gold particles vacuum evaporated onto doped alkali halide substrates 9—77961

Birjega, M.I., Topa, V., Teodorescu, V. Nucleation and growth of vacuum evaporated Au deposits onto KI substrates 9—61516

Birk, D. Rb/Sr chronology of the Rainy Lake Archean granitoid batholith, Wabigoon Belt, northwestern Ontario 9—84188

Birk, M. *see* Ben-Zvi, I. 9—72159

Birkaya, L.L. *see* Ordzhonikidze, K.G. 9—49332

Birke, R.L., Lombardi, J.R., Gersten, J.I. Observation of a continuum in enhanced Raman scattering from a metal-solution interface 9—73926

Birke, R.L. *see* Gersten, J.L. 9—82989

Birkelund, J.R. *see* Breuer, H. 9—76020

Birkelund, J.R. *see* Hilscher, D. 9—93591, 9—93653

Birken, H. Exposure reduction in intra-operative X-ray diagnosis 9—92345

Birker, P.J.M.W.L., van Kempen, H., Wyder, P. Magnetic focusing of electrons in copper single crystals 9—65540

Birkhofer, A. Probabilistic methods in the field of reactor safety in Germany 9—71907

Birkhoff, R.D. *see* Spears, D.P. 9—81351

Birkhoff, R.D. *see* Turner, J.E. 9—67961

Birkhold, M., Wagner, M. Jahn-Teller E-e problem: diagnonalization by means of a transformed basis 9—82566

Birkinshaw, K. *see* Lister, D.G. 9—91933

Birkinshaw, M. Limits to the value of the Hubble constant deduced from observations of clusters of galaxies 9—67099

Birkmire, R. *see* Niiler, A. 9—57166

Birks, E.Kh. *see* Zolotoyabko, E.V. 9—56644

Birks, J.W. *see* Lehr, T. 9—74357

Birley, A.W. Polymer crystallinity and the engineer 9—55673

Birley, A.W. *see* Nandra, D.S. 9—83317

Birman, J.L. Recent developments in non-local optics 9—95794

Birman, K.P., Rolnitzky, L.M., Bigger, J.T., Jr. A shape oriented system for automated Holter ECG analysis 9—70662

Birman, S.I. *see* Potak, Ya.M. 9—100196

Birmingham, T.J., Northrop, T.G. Theory of flux anisotropies in a guiding center plasma 9—50850

Birmingham, T.J. *see* Northrop, T.G. 9—53762

Birmingham, T.J. *see* Schardt, A.W. 9—53763

Birmontas, A., Kupris, R., Piskarskas, A., Smil'gyavichyus, V., Stabinis, A. Fluctuations of the energy and duration of Q-switched picosecond YAG:Nd^{3+} laser radiation 9—89949

Birnbaum, G. The shape of collision broadened lines from resonance to the far wings 9—89711

Birnbaum, G., Bose, T.K. Comparison of dielectric and refractive virial coefficients and collision induced absorption bands 9—86547

Birnbaum, H.K. *see* Brown, J.A. 9—56685

Birnbaum, H.K. *see* Brun, T.O. 9—94962

Birnbaum, H.K. *see* Kajitani, T. 9—94945

Birnbaum, M. *see* Sliney, J.G., Jr. 9—87494

Birnbaum, M. *see* Tucker, A.W. 9—81438

Birnbaum, P.S. *see* Brady, G.W. 9—57600, 9—57601

Birnbreier, H. *see* Ziegenbein, B. 9—57405

Birnkraut, H.W. *see* Berzen, J. 9—84001

Biron, D., Temkin, R.J., Lax, B. Laser induced gas breakdown at cyclotron resonance: low pressure results 9—60100

Birrell, N.D. Momentum space techniques for curved space-time quantum field theory 9—71341

Birsa, R. *see* Fidecaro, G. 9—85343

Birsoy, R., Murr, L.E. Coloring of natural fluorites 9—56822

Birss, R.R. Magnetic crystal symmetry—an alternative approach 9—99100

Birtill, J.J., Dickens, P.G. Thermochemistry of hydrogen molybdenum bronze phases H_xMoO_3 9—100427

Birtill, J.J. *see* Dickens, P.G. 9—65043

Birtles, A.B. Identification and separation of major base flow components from a stream hydrograph 9—79898

Birtwhistle, P. *see* Giclas, H.L. 9—101118

Birtwistle, D.T. The normalisation of Morse functions 9—76477

Birulev, V.K., Vestergombi, G., Gvakhariya, T.V., Genchev, V.I., Grigalashvili, T.S., Gus'kov, B.N., Dzhordzhadze, V.P., Ivanchenko, I.M., Karpenko, N.N., Kekelidze, V.D., Krivokhizhin, V.G., Kukhtin, V.V., Likhachev, M.F., Manno, I., Nikobadze, G.I., Poze, A.V., Savin, I.A., Senner, A.E., Sil'vestrov, L.V., Simonov, V.E., Takhtamyshev, G.G., Todorov, P.T. Study of vector form factor in K_{e3}^0 decays 9—67547

Biryukov, A.V., Danilkin, N.P., Denisenko, P.F., Knorin, I.A., Kucherenko, G.M., Rudakov, V.A., Sotskii, V.V., Sushchii, S.M., Faer, Yu.N., Shnyreva, L.A. Concentration and collision frequency of electrons in the ionosphere based on measurements during launching of Vertikal'-type rockets in 1975 9—80074

Biryukov, N.S., Zhuravlev, B.V., Rudenko, A.P., Sal'nikov, O.A., Trykova, V.I. Neutrons from (p,n) reactions on $^{90,91,94}Zr$ nuclei 9—67666

Biryukov, N.S., Zhuravlev, B.V., Rudenko, A.P., Sal'nikov, O.A., Trykova, V.I. Spin cut-off parameters from neutron angular distributions from (p,n) reactions 9—80940

Biryukov, S.V. Overlay acoustic surface waveguides 9—94383

Biryukov, Yu.A., Gornov, M.G., Lapushkin, S.V., Pichugin, A.P., Ponosov, A.K., Sergeev, F.M. Double recharging of π-mesons in nuclei with change of strangeness 9—89332

Biryulin, Yu.F. *see* Belyaev, V.A. 9—74001

Birzgal, A.M. *see* Glukhov, Yu.P. 9—74761

Birzhevoi, G.A., Bykov, V.N., Rudenko, V.A., Alekseev, Yu.V., Vakhtin, A.G. Investigation of the swelling of an irradiated zirconium-boron alloy 9—60404

Birzvalk, Yu.A., Mikryukova, I.N., Shishko, A.Ya. Experimental investigation of the characteristics of a direct-current uncompensated conduction-type pump 9—77283

Bisch, C. Drag reduction of a sharp flat plate in a rarefied hypersonic flow 9—94669

Bischel, W.K., Black, G., Hawkins, R.T., Kligler, D.J., Rhodes, C.K. ArF laser photolysis of OCSe. I. Se(^{1}S) quenching processes 9—86050

Bischel, W.K., Bokor, J., Dallarosa, J., Rhodes, C.K. ArF laser photolysis of OCSe. II. Effect of vibrational excitation on Se(^{1}S) quantum yields 9—83478

Bischel, W.K., Kligler, D.J., Rhodes, C.K., Bokor, J. Nonlinear optical processes in atoms and molecules using rare-gas halide lasers 9—59745

Bischel, W.K., Nakano, H.H., Eckstrom, D.J., Hill, R.M., Huestis, D.L., Lorents, D.C. A new blue-green excimer laser in XeF 9—68382

Bischel, W.K. *see* Bokor, J. 9—94049

Bischel, W.K. *see* Eggleston, J. 9—86165

Bischof, B. The RF-system of the flattop-acceleration structure in the SIN 590-MeV-ring-cyclotron 9—54683

Bischof, C., Zecha, H. State of dispersion and characteristic functions of PVC plastisols. A review 9—55015

Bischof, J., Ryska, A. Investigation of thermal conductivity of superconducting materials within the temperature range from 4.2 to 300K 9—60970

Bischofberger, T., Shen, Y.R. Theoretical and experimental study of the dynamic behavior of a nonlinear Fabry-Perot interferometer 9—54183

Biscondi, M. *see* Dumoulin, Ph. 9—91788

Bise, W. Low power radio-frequency and microwave effects on human electroencephalogram and behavior 9—96616

Bisgaard, P. *see* Rodbro, M. 9—85941

Bish, R.L. The action of Fry's reagent on steel 9—87806

Bishaev, A.M., Kim, V. Local plasma properties in a Hall-current accelerator with an extended acceleration zone 9—64917

Bishari, M. A theoretical approach to low multiplicity diffractive dissociation 9—75753

Bishnoi, O.P., Saxena, K.K. Statistical distribution of different cumulative periods of rainfall in Haryana 9—96792

Bishnoi, O.P., Saxena, K.K. A study of rainfall pattern in relation to crop planning over the Haryana State 9—100902

Bishnoi, P.R. *see* Groves, T.K. 9—68807

Bishnoi, P.R. *see* Mathews, A. 9—92104

Bishop, A. Statistical mechanics of nonlinear dispersive systems 9—75449

Bishop, A.R. Thermal renormalization of the sine Gordon soliton mass 9—54036

Bishop, A.R., Dieterich, W., Peschel, I. Conductivity of interacting Brownian particles in a periodic medium 9—49170

Bishop, A.R. *see* Currie, J.F. 9—71372

Bishop, A.R. *see* Long, K.A. 9—78286

Bishop, A.R. *see* Stoll, E. 9—63054

Bishop, B. *see* Koehler, R.C. 9—100653

Bishop, B.L. *see* Gabriel, T.A. 9—93882

Bishop, C. *see* Melsa, J.L. 9—94277

Bishop, C.A. *see* Howson, R.P. 9—87588

Bishop, D.J., Reppy, J.D. A precision measurement of the superfluid density near the transition of a 2D superfluid 9—51384

Bishop, D.J. *see* Smith, E.N. 9—51385
Bishop, D.M., Cheung, L.M. A theoretical investigation of HeH^+ 9—72254
Bishop, D.M., Cheung, L.M. Natural orbital analysis of nonadiabatic H_2^+ wave functions 9—81151
Bishop, D.M., Cheung, L.M. Quadrupole moment of the deuteron from a precise calculation of the electric field gradient in D_2 9—93511
Bishop, G.B. Build-up factors for 6 MeV photons penetrating steel-aluminium and lead-aluminium shields 9—81093
Bishop, G.B. *see* Marafie, A.M. 9—85871
Bishop, G.H. *see* Hoshen, J. 9—75465
Bishop, G.H., Jr. *see* Harrison, R.J. 9—77610
Bishop, J. *see* Liukkonen, E. 9—54667
Bishop, J. *see* van der Sluijs, J.C.A. 9—73390
Bishop, J.E. The Committee of 10 9—84882
Bishop, J.E.L. Improved simulation of domain wall bowing in metallic laminations using a new spline model 9—51807
Bishop, J.E.L. Magnetic domain wall kinking and the Alconard-Brissonneau-Neel experiment 9—56564
Bishop, J.E.L. Steady-state eddy-current dominated magnetic domain wall motion with severe bowing and necking 9—91248
Bishop, J.M., Bush, K. Comment on 'Mean circulation in shallow seas' by G.T. Csanady [and reply] 9—84287
Bishop, J.M. *see* Biswas, N.N. 9—63556
Bishop, J.M. *see* Polychronakos, V.A. 9—49539
Bishop, J.N. *see* Moselhy, M.M. 9—92028
Bishop, M.F., Overhauser, A.W. Analysis of the anomalous temperature-dependent resistivity on potassium below 1.6K 9—78074
Bishop, N.T. Time-varying gravity and the abundance of helium 9—92667
Bishop, R.R. *see* McAfee, R.D. 9—53191
Bishop, S.G., Strom, U., Friebele, E.J., Taylor, P.C. The effects of impurities upon photoluminescence and optically induced paramagnetic states in chalcogenide glasses 9—65918
Bishop, S.G. *see* Jellison, G.E., Jr. 9—95671
Bishop, S.G. *see* Klein, P.B. 9—91489
Bishop RED *see* RED Bishop
Bishutin, G.A. *see* Shur, D.M. 9—64515
Bisi, O., Calandra, C. Theoretical study of the electronic structure of Pd(111) clean surface 9—65531
Bisi, V. *see* Angelini, C. 9—67548
Bisi, V. *see* Armenise, N. 9—67533
Bisiacchi, G.F. *see* Firmani, C. 9—53812, 9—53830
Biskamp, D. Non-linear quenching of diamagnetic and gyroviscous effects in tearing modes 9—64847
Biskupic, S. *see* Valko, L. 9—59356
Bisnovatyi-Kogan, G.S., Blinnikov, S.I. Propagation of waves in a medium with high radiation pressure. I. Basic equations and the case of a homogeneous medium 9—88581
Bisnovatyi-Kogan, G.S. *see* Bugaev, E.V. 9—93605
Bisping, H.-J. Review of anchoring measures of transvenous pacemaker electrode leads 9—84008
Bissem, H.H., Brechtel, H., Bruckmann, H., Holm, U., Vogel, W. A fast cyclotron beam emittance measuring device 9—54712
Bisson, C.L. *see* Baskes, M.I. 9—77834
Bissonnette, L.R., Wizinowich, P.L. Probability distribution of turbulent irradiance in a saturation regime 9—76588
Biste, L. *see* Arnold, H. 9—52121
Bistritsky, V.M., Didenko, A.N., Krasik, Ya.E., Lopatin, V.S., Podkatov, V.I. Collective ion acceleration in the vacuum system with insulated anode 9—72025
Biswas, A.B. *see* Bamane, J.G. 9—78212
Biswas, A.B. *see* Palanna, O.G. 9—51576, 9—78094
Biswas, A.C. Break-down of van Hove's theorem in the canonical description 9—71356
Biswas, A.C., Shenoy, S.R. ODLRO and superfluidity in He-II 9—55986
Biswas, A.C., Warke, C.S. On the ground state of an interacting boson system 9—58630
Biswas, B., Tewari, S.P. Non-linear distribution of electrons around a massive positively charged particle in a one-component classical rare plasma 9—55458
Biswas, B.C. Soil moisture variation under bare conditions at Pune and Delhi in relation to rainfall 9—96777
Biswas, B.C. *see* Khambete, N.N. 9—96791
Biswas, D.K., Gowda, B.K., Sirohi, B.S. Effects of different parameters on the performance of a no-glass flat plate collector 9—62089
Biswas, D.R. *see* Evans, A.G. 9—66144, 9—66145
Biswas, J.C., Mitra, V. High-frequency breakdown and Paschen law 9—86624
Biswas, K.K., Prakash, S. A direct method for calculating the effect of single point injection on boundary layer 9—68772
Biswas, K.K. *see* Mahalanabis, A.K. 9—79998
Biswas, N.N., Bishop, J.M., Cason, N.M., Kenney, V.P., Ruchti, R.C., Shephard, W.D., Loos, J.S., Fortney, L.R., Goshaw, A.T., Robertson, W.J., Walker, W.D., Hartner, G., Levman, G., Schwarzschild, B.M., Sreedhar, V., Yoon, T.S., Patel, P.M. Valence- and sea-quark distributions in the pion 9—63556
Biswas, N.N. *see* Bhattacharya, B. 9—79806
Biswas, N.N. *see* Polychronakos, V.A. 9—49539
Biswas, S., Durgaprasad, N., Kajarekar, P.J., Sarkar, S., Venkatavaradan, V.S. Detection of relativistic cosmic ray iron nuclei in the plastic track detector CR-39 9—80154
Biswas, S.C., Boivin, A. Electromagnetic diffraction in the focal region of a wide-angle spherical mirror under oblique illumination. II. Formal expansion of the diffraction integrals 9—72464
Biswas, S.C., Boivin, A. Performance of optimum apodizers in presence of primary coma 9—98557
Biswas, S.N. *see* Anand, J.D. 9—85061
Biswas, S.N. *see* van 't Klooster, P. 9—87680
Bitar, K., Johnson, P.W., Wu-Ki Tung QCD asymptotics and kinematic thresholds in deep inelastic scattering 9—54315
Bitar, K.M., Shau-Jin Chang, Grammer, G., Jr., Stack, J.D. Nonlinear two-dimensional σ-model instanton as a tunneling process 9—49399
Biteman, V.B., Gunder, O.A., Senchishin, V.G. Effect of donor excimers on resonance energy transfer 9—95825
Bitenskii, I.S., Parilis, E.S. Equilibrium atomic structure of a crystal surface subjected to ion bombardment 9—56051
Bitenskii, I.S., Parilis, E.S. Models for direct and statistical cluster formation in sputtering 9—69948
Biter, C.J. *see* Heymsfield, A.J. 9—53483
Bitner, T. *see* Bachmann, K.J. 9—73411
Bitsadze, G.S. *see* Atenelashvili, M.I. 9—84626
Bitter, M., Hill, K.W., Sauthoff, N.R., Efthimion, P.C., Meservey, E., Roney, W., von Goeler, S., Horton, R., Goldman, M., Stodiek, W. Dielectronic satellite spectrum of heliumlike iron (Fe XXV) 9—82098
Bitter, M. *see* Eubank, H. 9—82074
Bitter, M. *see* Hill, K.W. 9—68956
Bittner, G., Kretschmer, W. Investigation of noncentral proton-proton interaction at low energy 9—85444
Bittner, G., Kretschmer, W., Loh, H., Schuster, W., Stach, W. Polarization measurement in proton-proton scattering at 6.14 MeV 9—67591
Bittner, G., Kretschmer, W., Schuster, W. The Erlangen windowless high density gas target for nuclear scattering experiments 9—54735
Bittner, H. *see* Oesterreicher, H. 9—91997
Bittner, J. *see* Blumberg, L. 9—68031
Bittner, J. *see* Krinsky, S. 9—68023
Bittrich, H.-J., Kilian, B., Geier, K. Investigation of selective systems. IV. Critical mixing temperature of hydrocarbons with dimethylformamide 9—77762
Bityurin, N.M., Bredikhin, V.I., Genkin, V.N. Nonlinear optical absorption and energy structure of $LiNbO_3$ and α-$LiIO_3$ crystals 9—64277
Bityurin, V.A., Zatelepin, V.N., Lyubimov, G.A. Effect of force field nonuniformity on flow in an MHD channel 9—86520
Bitzer, R. *see* Efthimion, P.C. 9—90463
Bivar-Weinholtz, A.de *see* de Bivar-Weinholtz, A.
Biwer, R. A microprocessor based beam intensity and efficiency display system for the Fermilab accelerator 9—72218
Bixon, M. *see* Efrima, S. 9—68312
Biyushkin, V.N., Gerasimov, V.I., Belichuk, N.I., Kaftanat, V.N., Simonov, M.A., Belov, N.V. Crystal and molecular structure of the coordination compound of cobalt (III) with the Schiff base of diacetylmonoxime and methyl hydrazinedithiocarboxylate 9—94998
Biyushkin, V.N. *see* Gerasimov, V.I. 9—90641
Bizard, G., Tekou, A. Interpretation of the ^4He dissociation at high energy 9—63664
Bizjac, Lj. *see* Kercan, V. 9—63186
Bizzarri, R. *see* Barone, L.M. 9—80835
Bizzi, E. *see* Polit, A. 9—53080
Bjarle, C., Herrstrom, N.-Y., Jonsson, G., Kristiansson, K. The cosmic ray boron and carbon isotopic composition measured in nuclear emulsions 9—80155
Bjarnason, J.O., Hudson, B.S., Andersen, H.C. Quantum theory of line shapes in coherent Raman spectroscopy of gases and liquids 9—64049
Bjarngard, B.E. *see* Levene, M.B. 9—92367
Bjelkhagen, H. *see* Abramson, N. 9—76631, 9—98312
Bjerkan, L., Fossum, J.O., Fossheim, K. The surface barrier Rayleigh wave transducer 9—98578
Bjor, O.-H., Hognestad, H. A method for automatic reverberation time measurement 9—68518
Bjorken, J.D. Impact of elementary particle physics on storage rings 9—72121
Bjorken, J.D., McLerran, L.D. What is Centauro? 9—63565
Bjorklund, G.C., Storz, R.H. Servo tuning and stabilization of nonlinear optical crystals 9—55180
Bjorklund, R.A. *see* Magnussen, S. 9—57665
Bjorlow Larsen, K. *see* Nyberg, B.R. 9—97367
Bjornberg, A. Multicomponent polyanions. XXII. The molecular and crystal structure of $K_8Mo_4V_8O_{36}.12H_2O$, a compound containing a structurally new heteropolyanion 9—99131
Bjornberg, A. Multicomponent polyanions. XXVI. The crystal structure of $Na_6Mo_6V_2O_{26}(H_2O)_{16}$, a compound containing sodium-coordinated hexamolybdodivanadate anions 9—99132
Bjornsson, A., Johnsen, G., Sigurdsson, S., Thorbergsson, G. Rifting of the plate boundary in North Iceland 1975-1978 9—84210
Bjornsson, A. *see* Beblo, M. 9—66612
Bjornsson, M., Frankendal, B. The effect on dosimetry of changing from the lithotomy to the supine position in treating uterine cancer with the Cathetron and external radiotherapy 9—62362
Bjornsson, S. *see* Angenheister, G. 9—57889
Bjorseth, A., Lunde, G., Lindksog, A. Long-range transport of polycylic aromatic hydrocarbons 9—83653
Bjuro, T., Carlsson-Ejdeback, J., Schlossman, D., Varnauskas, E. Exercise testing in the diagnosis of coronary lesions proximal to the first diagonal artery of LAD 9—70692
Blaauw, C., Stroink, G., Leiper, W., Zentilli, M. Crystal-field properties of Fe in brucite $Mg(OH)_2$ 9—61278
Blaauw, C. *see* Leiper, W. 9—78581
Blaby, R.E. *see* Burgerjon, J.J. 9—76222
Blachere, J.R. *see* Sugarman, A.C. 9—100213
Blachnik, R., Rabe, U. Mixture enthalpies of liquid Vb-selenides and Vb-tellurides 9—77770
Blachot, J. *see* Borner, H.G. 9—93865
Blachot, J. *see* Schussler, F. 9—59039
Blachut, J. Optimal design of a bar under axial force and own weight by means of dynamic programming 9—64542
Black, A.H. *see* Cott, A. 9—83881
Black, D.L. Conceptual design of the Fort Hood solar total energy—large scale experiment 9—52899
Black, D.L., Klinzing, G.E., Tierney, J.W. Laminar flow instability in multiple channel 9—90217
Black, G., Sharpless, R.L. Temperature effect on the collision-induced emission of $S(^1S)$ with He, Ar, N_2, H_2, Kr, and Xe 9—81264
Black, G., Sharpless, R.L. Temperature effect on the quantum yield for production of $S(^1S)$ from OCS 9—83477
Black, G., Sharpless, R.L., Slanger, T.G. Quenching of $NO(B^2\Pi_r)_{v'=0}$ produced by the reaction of $N(^2D)$ with N_2O 9—64038
Black, G. *see* Bischel, W.K. 9—86050
Black, G. *see* Slanger, T. 9—53604
Black, G. *see* Slanger, T.G. 9—70309
Black, J.E. *see* King, F.D. 9—59200
Black, J.G., Kolodner, P., Shultz, M.J., Yablonovitch, E., Bloembergen, N. Collisionless multiphoton energy deposition and dissociation of SF_6 9—61884
Black, J.H. *see* Constantinides, E.R. 9—96847
Black, J.H. *see* Dupree, A.K. 9—67067
Black, J.H. *see* Raymond, J.C. 9—67051
Black, J.K. *see* van Dyck, O.B. 9—71994
Black, J.L. Relationship between the short-time specific heat and the ultrasonic properties of glasses 9—60440
Black, J.L., Fulde, P. Influence of the superconducting state upon the low-temperature properties of metallic glasses 9—87192
Black, J.L., Gyorffy, B.L. On the interaction between electrons and tunnelling levels in metallic glasses 9—60817
Black, J.R.H., Kingery, W.D. Segregation of aliovalent solutes adjacent surfaces in MgO 9—78979
Black, L.P., Bell, T.H., Rubenach, M.J., Withnall, I.W. Geochronology of discrete structural-metamorphic events in a multiply deformed Precambrian terrain 9—57895
Black, M.A. *see* Pilling, M.W. 9—65264
Black, P.G. Mesoscale cloud patterns revealed by Apollo-Soyuz photographs 9—88395
Blackburn, C.M. *see* Rueger, L.J. 9—55099
Blackburn, G.R., Highfield, D.P., Dewey, W.C. Studies on the nuclear envelope as a radiation-sensitive site in mammalian cells: the absence of an effect on the binding of nuclear membrane-associated DNA 9—88131
Blackburn, J. *see* Vanderwall, J. 9—94357
Blackburn, J.P. Calibration of equipment for vascular pressure measurement 9—96691
Blackburn, M.B., Mermet, J.-M., Boutilier, G.D., Winefordner, J.D. Saturation in laser excited atomic fluorescence spectrometry: experimental verification 9—79330
Blackley, D.C., Nor Aisah, A.A., Twaits, R. Effect of potassium fatty-acid soaps upon mechanical and chemical stability of natural rubber latex 9—96034
Blackley, D.C. *see* Anand, R. 9—83169
Blackman, C.F. *see* Dutta, S.K. 9—100666

Blackman, C.P. Surface photometry and mass distributions in spiral galaxies. III. NGC 972 3521, 3675, 4826, 5005 and 6503 9—71123
Blackman, E., Barakat, R. Statistics of the optical transfer function: correlated random amplitude and random phase effects 9—72503
Blackman, E., Viswanathan, R., Russell, W., Makhoul, J. Narrowband LPC speech transmission over noisy channels 9—55276
Blackman, L.C.F. Glass fibre-reinforced cement—a progress report 9—91905
Blackmer, A.M. *see* Bremner, J.M. 9—83672
Blackmer, A.M. *see* Matthias, A.D. 9—84369
Blackmore, E.W., Bosman, P., Burge, R., Dutto, G., Gill, D., Mackenzie, G.H., Schmor, P.W. Achievement and control and the 100 μA beam at TRIUMF 9—54699
Blackmore, E.W., Craddock, M.K., Dutto, G., Kost, C.J., Mackenzie, G.H., Schmor, P.W. Measurements and corrections to the beam properties in the TRIUMF cyclotron 9—54710
Blackmore, E.W., Dutto, G., Kost, C.J., Mackenzie, G.H., Rogers, J.G., Schmor, P.W., Craddock, M.K., Hutcheon, D.A., Liljestrand, R., Miller, C.A. Improved beam quality at TRIUMF 9—72060
Blackmore, J.T. Is Planck's 'Principle' true? 9—58515
Blackstead, H.A. Phonon spectroscopy and forbidden transitions in rare earths and transition metal ferromagnets 9—82853
Blackstock, D.T. *see* Webster, D.A. 9—68462
Blackwell, D.E., Shallis, M.J., Selby, M.J. The infrared flux method for determining stellar angular diameters and effective temperatures 9—92682
Blackwell, J., Gardner, K.H. Structure of the hard segments in polyurethane elastomers 9—64131
Blackwell, J. *see* Atkins, E.D.T. 9—69030
Bladel, J.Van *see* Van Bladel, J.
Blades, J.C. *see* Griffiths, R.E. 9—62907, 9—101211
Blaes, G. *see* Read, A.L. 9—49510
Blaes, R. *see* Morfin, J.G. 9—71740
Blagoev, A.B., Popov, Tc.K. Investigation of the electron energy distribution function in an argon afterglow plasma 9—60195
Blagoev, K.B., Komarovskii, V.A., Penkin, N.P. Radiative lifetimes of Yb I Yb II excited states 9—76386
Blagoev, K.B., Valter, A.K., Komarovskii, V.A. Relative oscillator strengths of the spectral lines of holmium 9—98038
Blagoi, Yu.P., Sorokin, V.A., Valeev, V.A., Gladchenko, G.O. Peculiarities of the helix-ball transition in DNA in the region of inversion of the relative stability of GC and AT pairs due to Cu^{2+} and Mn^{2+} ions 9—70514
Blagoi, Yu.P. *see* Sheina, G.G. 9—70507
Blagojevic, V. *see* Nikolic, P.M. 9—56778
Blagosklonskaya, L.E., Gershenzon, E.M., Gol'tsman, G.N., Elant'ev, A.I. The effect of a strong magnetic field on the spectrum of hydrogen-like impurities in semiconductors 9—82634
Blagov, M.I., Murashova, V.A., Pashchenko, G.S., Syreishchikova, T.I., Khazizov, R.G., Shubin, L.E., Yakimenko, M.N. Apparatus for registration of secondary radiation induced by a pulsed laser 9—76303
Blagoveshchenskaya, N.F. *see* Blagoveshchenskiy, D.V. 9—62658
Blagoveshchenskaya, N.V. *see* Zviadadze, G.N. 9—52758
Blagoveshchenskii, N.M., Dokukin, E.B., Kozlov, Zh.A., Parfenov, V.A. A bound 2-roton state in He II 9—86951
Blagoveshchenskiy, D.V., Blagoveshchenskaya, N.F. Joint investigation of the characteristics of HF signals and of data of oblique ionospheric sounding 9—62658
Blaha, A. Insulators—design, construction and testing 9—83626
Blaha, A. Theory, construction and technology of the substrate plate of flat solar collectors 9—92089
Blaha, M. *see* Griem, H.R. 9—82048
Blaha, M. *see* Jacobs, V.L. 9—68903
Blaha, S. On a possible similarity between the heavy lepton and heavy constituent quark mass spectra 9—67508
Blaho, M. *see* Lajos, T. 9—68886
Blaine, P.G. *see* Mumford, F.J. 9—54639
Blair, D.G. Superconducting accelerometer using niobium-on-sapphire RF resonator 9—49210
Blair, D.G., Hamilton, W.O. Fabrication and properties of RF niobium-on-sapphire superconducting resonators 9—51704
Blair, H.S., Pogue, H.I. Investigation of photoresponsive effects in polymer monolayers 9—66316
Blair, H.S. *see* Riordan, J.E. 9—68340
Blair, H.T. Full-scale in-can melting for vitrification of nuclear wastes 9—59213
Blair, W.P. *see* Liebert, J. 9—67034
Blais, N.C., Truhlar, D.G. Monte Carlo trajectory study of Ar+H_2: vibrational selectivity of dissociative collisions at 4500K and the characteristics of dissociation under equilibrium conditions 9—70307
Blais, N.C. *see* Trott, W.M. 9—98165
Blais, N.C. *see* Truhlar, D.G. 9—61850
Blais, P. *see* Guidoin, R. 9—53278
Blaisdell, J.M., Grieger, G.R. ESCA study of air filters 9—96383
Blaise, G. Fundamental aspects of ion microanalysis 9—96404
Blaise, G., Castaing, R. Method of solid microanalysis of solids based on thermal ionisation of sputtered products 9—61924
Blaivas, B.I., Kurov, I.E., Shevchenko, S.M. Simple method of testing the life of membranes 9—70256
Blake, A.J. An atmospheric absorption model for the Schumann-Runge bands of oxygen 9—96823
Blake, A.J., Howie, R.A., McQuilland, C.P. Crystal data for tris(2-cyanoethyl)phosphine oxide, tris(2-cyanoethyl)phosphine sulphide and tris(2-cyanoethyl)phosphine selenide 9—94989
Blake, C.C.F. *see* Banks, R.D. 9—74595
Blake, G.D., Scarl, D. Two-photon correlations in amplified laser light 9—76670
Blake, G.M. The Hubble constant and the diffuse X-ray background 9—101226
Blake, J.B. *see* Dearborn, D.S.P. 9—101138
Blake, J.B. *see* Scholer, M. 9—53667
Blake, P.S. *see* Murray, R.A. 9—67272
Blake, T.G.W., Della Torre, E. Micromagnetic analysis of S=1 magnetic bubbles with curvature effects 9—73784
Blakely, E.A. *see* Chapman, J.D. 9—79609
Blakely, J.M. Segregation to surfaces: dilute alloys of the transition metals 9—51398
Blakely, J.M. *see* Tu, Y.Y. 9—87000
Blakely, J.M. *see* Yung-Yi Tu 9—82440
Blakeman, E.D., Jenkins, J.D., Allen, E.J. An overview of material control and accountability considerations for a waste isolation repository 9—85682
Blakemore, W.F. *see* Smith, K.J. 9—83753
Blakeslee, A.E. *see* Perry, P.B. 9—99929
Blakeslee, A.E. *see* Vernon, S.M. 9—100528
Blakeslee, R., Gall, R. The effect of the meridional circulation on the baroclinic instability of the winter zonal flow 9—88421
Blalock, L. *see* Cassen, P. 9—84690
Blamires, N.G. *see* Stephen, J. 9—73180
Blamont, J.E. *see* Bertaux, J.L. 9—80180
Blanar, G., Blum, W., Gallivan, J., Notz, D., Richter, R., Mount, R. A position sensitive target counter for photons above 50 MeV 9—76285
Blanar, G. *see* Becker, H. 9—54363, 9—63533
Blanar, G.J., Boyer, C.F., Earles, D.R., Faissler, W.L., Garelick, D.A., Gauthier, P.S., Gettner, M.W., Glaubman, M.J., Gottschalk, B., Johnstad, H., Jordan, M., Pothier, E.L., Potter, D.M., Ronan, M.T., Tautz, M.F., von Goeler, E., Weinstein, R. Missing-mass search for negative-charge bosons with masses between 2 and 12.5 GeV 9—93473
Blanc, C., More, C., Roger, G. Frequency-to-magnetic-field converter for nuclear magnetic resonance magnetometer 9—71490
Blanc, D., Lissberger, P.H., Roy, A. The design, preparation and optical measurement of thin film polarizers 9—76866
Blanc, D. *see* Casanovas, J. 9—91112
Blanc, E. *see* Ganachaud, J.P. 9—99996
Blanc, J. Misfit, strain, and dislocations in epitaxial structures: Si/Si, Ge/Si, Si/Al_2O_3 9—82499
Blanc, M., Amayenc, P. Seasonal variations of the ionospheric E×B drifts above Saint-Santin on quiet days 9—101011
Blanc, M., Mocellin, A. Grain coordination in plane sections of polycrystals 9—78984
Blanc, R. *see* Belzons, M. 9—60815
Blanch, H.W. *see* Bhavaraju, S.M. 9—50758
Blanchard, B. *see* Bourgoin, J.C. 9—56165
Blanchard, D.P. *see* Rhodes, J.M. 9—88335
Blanchard, J.-M. *see* Spassky, N. 9—66438
Blanchard, J.-P., Boyer, P., Gagny, C. A new criterion for the direction of injection in a dike: the angular relations of minerals near the walls 9—79843
Blanchard, L.-P. *see* Trung Dong Khong 9—77045
Blanchard, M. *see* Beaulieu, R. 9—98314
Blanchard, P., Lambert, G., Millet, P., Mikailoff, H. High-burn-up behaviour of the Rapsodie Fortissimo standard fuel 9—97816
Blanchet, R., Delhomme, B., Urgell, J.J. Analysis of the molecular beam epitaxy (MBE) process. Application to the growth of GaAs layers 9—56937
Blanchin, M.G., Faisant, P. High temperature compression in oxygen atmosphere of rutile TiO_2 single crystals 9—51194
Blanchin, N.G. *see* Motohasi, Y. 9—95008
Blanckenhagen, P. *see* Nagele, W. 9—65685
Blanco, C., Catalano, S., Marilli, E. Photoelectric observations of stars with variable H and K emission components. III 9—58328
Blanco, C., Catalano, S., Marilli, E. IUE observations of an active region of HD 206860 9—92766
Blanco, R., Santos, E. Coupled harmonic oscillators in stochastic electrodynamics 9—75373
Blanconnier, P., Cerclet, M., Henoc, P., Jean-Louis, A.M. Growth and characterization of undoped ZnSe epitaxial layers obtained by organometallic chemical vapour deposition 9—51458
Bland, C.J. *see* Levinson, A.A. 9—62498
Blander, M. *see* Frurip, D.J. 9—52647
Blandin, A. Theories versus experiments in the spin glass systems 9—65688
Blandin, M., Durou, C., Soulet, H. Study by holographic interferometry of dimensional variability in precision-moulding materials used in odontology 9—88214
Blank, J. Brueckner calculations in harmonic-oscillator basis. I. The method 9—59015
Blank, J. Brueckner calculations in harmonic oscillator basis. II. The ground state of the ^{4}He nucleus 9—71787
Blank, P., Wittmaack, K. Energy and fluence dependence of the sputtering yield of silicon bombarded with argon and xenon 9—78805
Blank, P., Wittmaack, K. Implications in the use of sputtering for layer removal: the system Au on Si 9—78813
Blank, R.E., Wakefield, T., II Double-beam photoacoustic spectrometer for use in the ultraviolet, visible, and near-infrared spectral regions 9—79320
Blank, S. *see* Dillon, J.F., Jr. 9—61347
Blank, S.L., Wolfe, R., Luther, L.C., LeCraw, R.C., Nelson, T.J., Biolsi, W.A. Design and development of single-layer, ion-implantable small bubble materials for magnetic bubble devices 9—82844
Blank, S.L. *see* Gyorgy, E.M. 9—78120
Blank, S.L. *see* Krahn, D.R. 9—78464
Blank, S.L. *see* Nelson, T.J. 9—78475
Blank, S.L. *see* Vella-Coleiro, G.P. 9—78459
Blank, V.D., Veller, M.E., Konyaev, Yu.S., Estrin, E.I. The α-ω transformation in zirconium during deformation at high pressures 9—74147
Blankenbecler, R., Sugar, R.L. New approach to Reggeon quantum mechanics 9—71661
Blankenbecler, R. *see* Goldman, T. 9—93401
Blankenhorn, D.H. *see* Castleman, K.R. 9—92357
Blankenship, G.W. *see* Behrens, J.A. 9—81675
Blankenship, V.D. *see* Seizew, M.R. 9—66255
Blann, M., Stokes, R.H., Erkkila, B., Britt, H.C., Goldstone, P.D., Ferguson, R.L., Plasil, F., Gutbrod, H.H. Final and primary yields and dispersions for strongly damped reaction of ^{86}Kr+^{124}Sn 9—54452
Blanpied, G. *see* Davis, J. 9—93662
Blanpied, G. *see* Doss, K.G.R. 9—85542
Blanpied, G.S., Burleson, G.R., Davis, J., McCarthy, J.S., Minehart, R.C., Goulding, C., Morris, C.L., Thiessen, H.A., Cottingame, W.B., Greene, S., Moore, C.F. Quasielastic scattering of pions from ^{12}C and ^{40,44,48}Ca 9—85518
Blanpied, G.S. *see* Boyer, K.G. 9—85539
Blanpied, G.S. *see* Olmer, C. 9—93667
Blanpied, G.S. *see* Ray, L. 9—63669
Blanter, M.E., Chekhovoi, A.N. On the nature of low-cycle fatigue 9—87724
Blanzat, B. *see* Bretheau-Raynal, F. 9—61365
Blaquiere, A. Feynman theory extension 9—53994
Blasberg, E., Korn, D., Pfeifle, H. Electrical resistivity of amorphous alloy films SnAu 9—91159
Blaschko, O., Klemencic, R., Weinzierl, P., Eder, O.J. On the (1 1/2 0) superlattice reflection in β-PdD_x 9—65038
Blasek, G., Weihert, M. A study of the initial oxidation of chromium-nickel steel by SIMS 9—52464
Blasek, G. *see* Rauschenbach, B. 9—82387
Blasenko, N.A., Chumachkova, M.M. The amplification factor of ZnS:Mn films during excitation by an electric field 9—78757
Blaser, G., Schmidt, H. Secondary electron emission of reduced lead glass 9—56894
Blaser, J.P. What accelerators for future nuclear and meson physics? 9—54722
Blashchuk, V.E. *see* Voitenko, A.F. 9—66100
Blashchuk, V.N., Zel'dovich, B.Ya., Krasheninnikov, V.N., Mel'nikov, N.A., Pilipetskii, N.F., Ragul'skii, V.V., Shkunov, V.V. Stimulated scattering of depolarized radiation 9—86217
Blasi, A. *see* Bandelloni, G. 9—71650
Blasi, C.de *see* de Blasi, C.
Blasi, C.De *see* De Blasi, C.
Blasingame, J.M. *see* Mier, M.G. 9—78462, 9—78463
Blasio, G.Di *see* Di Blasio, G.
Blasius, K.R. *see* Cutts, J.A. 9—84721
Blasse, G. The observation of the triplet levels of closed-shell tetroxo-complexes by luminescence measurements 9—69874
Blasse, G., Hop, J. Luminescence of aluminum vanadate ($AlVO_4$) 9—56846
Blasse, G., van den Dungen, J.P.M. Luminescence of U^{6+}-activated Al_2TeO_6 9—56845
Blasse, G., Van Den Heuvel, G.P.M., Van Dijk, T. Energy transfer from Gd^{3+} to Tb^{3+} and Eu^{3+} 9—51999

Blasse, G. *see* Bleijenberg, K.C. 9—78731
Blasse, G. *see* de Jong, K.P. 9—83012
Blasse, G. *see* Groenink, J.A. 9—95835
Blaszczak, E., Westwanski, B. Zero-point effect in ferrimagnetic and antiquadrupolar biquadratic systems (S=3/2) 9—91201
Blaszczak, E., Westwanski, B. Phase transitions in two-sublattice biquadratic systems (S=3/2) 9—99710
Blaszczak, E., Westwanski, B., Skrobis, K. Elementary excitations in ferrimagnetic and antiquadrupolar biquadratic systems (S=3/2) 9—51763
Blat, D.Kh. *see* Zinenko, V.I. 9—99837
Blatchley, D. *see* Wake, M. 9—68087
Blatherwick, R.D. *see* Goldman, A. 9—100894
Blatt, D.W.E., McKellar, B.H.J. The computation of second order energies using a reference spectrum Euler function 9—71359
Blatt, D.W.E. *see* Atkinson, D. 9—49427
Blatt, D.W.E. *see* Barrett, B.R. 9—75865
Blatt, F.J., Schroeder, P.A. *(editor)* Thermoelectricity in Metallic Conductors 9—65433
Blatt, S.L. *see* Kovash, M.A. 9—76277
Blatt, S.L. *see* Morgan, J.F. 9—50122
Blatt, S.R. *see* Schmidt, M.P. 9—89146
Blattner, R.J., Nadel, S., Evans, C.A., Jr., Braundmeier, A.J., Jr., Magee, C.W. Improved depth resolution in Auger depth profiling of multilayered thin films by reactive ion sputtering 9—91557
Blattner, R.J. *see* Chelgren, J.E. 9—83073
Blattner, R.J. *see* Evans, C.A., Jr. 9—66393
Blattner, R.J. *see* Tsai, M.Y. 9—70374
Blau, M. *see* Wei Chang 9—79555
Blau, M. *see* Wicks, R. 9—100721
Blau, P.J. The use of Knoop indentations for measuring microhardness near worn metal surfaces 9—60613
Blau, R. *see* Aronson, I. 9—72375
Blau, W., Weisbach, J., Merz, G., Kleinstuck, K. X-ray spectra and electronic structure of some CsCl-type transition metal-aluminium alloys 9—78793
Blauer, J.A., Zelazny, S.W., Solomon, W.C., Hager, G.D. Comprehensive kinetics model for DF-CO_2 transfer chemical lasers 9—81422
Blaugher, R.D. *see* Janocko, M.A. 9—58741
Blaunshtein, N.Sh. *see* Filipp, N.D. 9—88546
Blaurock, A.E. On phasing the small-angle X-ray diffraction pattern from nerve myelin 9—57588
Blaustein, M.P. *see* Nachshen, D.A. 9—62231
Blay, D. *see* d'Utruy, B. 9—61954
Blay, D. *see* Peube, J.L. 9—70434
Blazej, D.C. *see* Peticolas, W.L. 9—68236
Blazejewski, A.F. *see* Meisel, D.D. 9—100811
Blazek, C. *see* Talib, A. 9—61958
Blazek, M. Statistical interpretation of some production parameters by means of the generalized and modified urn model 9—63451
Blazek, V., Kucharski, M. Optical image processing using dynamic spatial filters 9—59650
Blazewicz, S. *see* Pampuch, R. 9—52408
Blazhchishin, A.I. *see* Kabailene, M.V. 9—88332
Blazhenkov, V.V., Kirkin, A.N., Leontovich, A.M., Mozharovskii, A.M., Chuzo, A.N. Measurement of the length of picosecond laser pulses with a fast optical shutter and an echelette grating 9—64266
Blazhenkov, V.V. *see* Asoskov, V.S. 9—60102, 9—86554
Blazhin, V.D. Mechanisms of electron pairing in strong electric fields 9—95542
Blazhin, V.D. *see* Senatorova, N.P. 9—54885
Blazina, Z., Ban, Z. Homogeneity regions in the systems $ThT_{5-x}Al_x$ (T=Mn,Fe,Co) 9—77554
Bleach, R.D. *see* McKay, J.A. 9—86595
Bleaney, B. *see* Suzuki, H. 9—61070
Blecher, M. *see* Dam, S.H. 9—85536
Blecher, W.A. *see* Giramonti, A.J. 9—88006
Blecher, W.A. *see* Smith, E.B. 9—83638
Bleck, R. Finite difference equations in generalized vertical coordinates. I. Total energy conservation 9—84363
Bleckwenn, J. *see* Hartwig, S. 9—49621
Blednaya, I.V. *see* Kogan, L.A. 9—70409
Bleeker, J.A.M. *see* Davelaar, J. 9—71085
Bleher, P.M., Zalys, E. Existence of long-range order in the Migdal recursion equations 9—67231
Bleiber, M.L. *see* Baron, M. 9—60407
Bleichrodt, J.F. *see* van Hemmen, J.J. 9—92303
Bleijenberg, K.C., Blasse, G. QMSCC calculations on thermal quenching of model phosphor systems 9—78731
Blejer, D.J. *see* King, R.W.P. 9—89830
Blekh, L.M. *see* Lavygin, I.A. 9—86830
Blekhman, L.I. Internal disturbances of a hollow vortex enclosed in a cylindrical vessel 9—77122
Blencoe, J.G. *see* Ferry, J.M. 9—66041
Blenkinsop, J. *see* Bell, K. 9—92534
Blennerhassett, P.J. A three-dimensional analogue of the Prandtl-Batchelor closed streamline theory 9—81895
Bleser, E., Dahl, P., Gardner, D., Kaugerts, J., McInturff, A., Robins, K., Sampson, W., Schewe, P. Magnetic field measurements on ISABELLE storage ring magnets 9—68089
Bleser, E. *see* Biel, J. 9—89309
Bleser, E. *see* Chaney, D. 9—89308
Bleser, E. *see* McInturff, A.D. 9—68088
Blessing, G. *see* Hathaway, K. 9—73793
Bleszynski, M., Osland, P. Noneikonal effects in spin-dependent proton-nucleus interactions 9—71851
Bleszynski, M., Sander, C. Geometrical aspects of high-energy peripheral nucleus-nucleus collisions 9—97695
Bleszynski, M. *see* Igo, G. 9—80916
Bletskan, D.I. *see* Artamonov, V.V. 9—51966
Bletskan, N.I., Buzynin, A.N., Zaichko, V.V., Selin, V.V. Growth of Si strips by Stepanov's method 9—78867
Bleuler, E. *see* Rohrbaugh, R.P. 9—96945
Bleuler, K., Holinde, K., Machleidt, R., Anastasio, M.R., Faessler, A., Muther, M. Role of non-iterative diagrams in NN-scattering 9—67576
Bley, F. *see* Lefebvre, S. 9—96044
Bley, P. *see* Becker, E.W. 9—49825, 9—94654,
Bleyl, H.-J. *see* Ochsenfeld, W. 9—89470
Blicharski, M., Nourbakhsh, S., Nutting, J. Structure and properties of plastically deformed α-Ti 9—91666
Blick, D.W., MacLeod, I.A. Rod threshold: influence of neighboring cones 9—53116
Blick, E.F., Sabbah, H.N., Stein, P.D. One-dimensional model of diastolic semilunar valve vibrations productive of heart sounds 9—79580
Blickensderfer, R.P., Jordan, K.D. Ab initio studies of the electronic structure of $LiOH^-$ and Li_2O^- 9—85898
Blickensderfer, R.P. *see* Breckenridge, W.H. 9—68304
Blickensderfer, R.P. *see* Seiders, B.A.B. 9—72253
Blietschau, J., Grassler, H., Krenz, W., Lanske, D., Schulte, R., Seyfert, H.H., Bockmann, K., Checchia, P., Geich-Gimbel, C., Heilmann, H.G., Tokott, T., Nellen, B., Pech, R., Bosetti, P., Cocconi, V.T., Conforto, B., Cundy, D.C., Grant, A., Haidt, D., Hulth, P.O., Von Krogh, J., Morrison, D.R.O., Pape, L., Peyrou, C., Saarikko, H., Schmid, P., Scott, W.G., Simopoulou, E., Vayaki, A., Wachsmuth, H., Wolf, E., Aderholz, M., Schmitz, N., Settles, R., Wernhard, K.L., Wittek, W., Cartwright, P., Giles, R., Grossmann, P., McGow, R., Myatt, G., Perkins, D.H., Radojicic, D., Renton, P., Saitta, B. Production of charmed mesons in neutrino interactions in hydrogen 9—93396
Blikle, T., Vaida, T. An approximate methematical model of heat and mass transfer in two-phase flow 9—86495
Bliman, S., Dousson, S., Geller, R., Jacquot, B., Jacquot, C., Tsekeris, J. Experimental study of the production of negative deuterons by double charge exchange in xenon 9—94080
Blin-Stoyle, R.J. Mesons in nuclei—an introduction 9—97662
Blinc, R., Slak, J., Sa Barreto, F.C., Pires, A.S.T. Dependence of the dynamic central peak on deuterium content in paraelectric KH_2PO_4 9—65752
Blinc, R., Zeks, B., Levstik, A., Filipic, C., Slak, J., Burgar, M., Zupancic, I., Shuvalov, L.A., Baranov, A.I. Pseudo one-dimensional ferroelectric ordering and critical properties of CsH_2PO_4 and CsD_2PO_4 9—78635
Blinc, R. *see* Chaves, A.S. 9—99263
Blinc, R. *see* Kind, R. 9—73309, 9—99313
Blinc, R. *see* Levstik, A. 9—91385
Blinc, R. *see* Mackowiak, M. 9—69785
Blinc, R. *see* Sa Barreto, F.C. 9—61316
Blinc, R. *see* Zeks, B. 9—95714
Blinder, S.M. Schrodinger equation for a Dirac bubble potential 9—80456
Blinder, S.M. *see* Hannesson, T. 9—63887
Blink, J. *see* Hovingh, J. 9—89499
Blink, J. *see* Monsler, M. 9—49862, 9—85772
Blinkin, V.L. *see* Subbotin, V.I. 9—71886
Blinkov, D.I., Mukhamedshina, N.M. Distribution of alloying additives and admixtures in molybdenum bars using instrumental neutron-activation analysis 9—52531
Blinnikov, S.A. *see* Nakhutin, I.E. 9—76092
Blinnikov, S.I. *see* Bisnovatyi-Kogan, G.S. 9—88581
Blinnikov, Yu.S. *see* Alkhazov, G.D. 9—75957
Blinov, A.A., Zhuravlev, V.S., Pancheva, G.D. Measuring cell for determining surface and bulk electrical resistance of polymer materials 9—49251
Blinov, A.G., Boyarskii, L.A., Dikovskii, V.Ya. Magnetic behaviour of helicoidal structure in europium metal 9—56499
Blinov, A.P. The dependence of the electron depolarization on the type of the coupling in the atom 9—89792
Blinov, L.M. Domain instabilities in liquid crystals 9—94875
Blinov, L.M., Barnik, M.I., Lazareva, V.T., Trufanov, A.N. Electrohydrodynamic instabilities in the liquid crystalline phases with smectic ordering 9—90530
Blinov, L.M., Beresnev, L.A., Shtykov, N.M., Elashvili, Z.M. Pyroelectric properties of chiral smectic phases 9—91380
Blinov, L.M. *see* Belyaev, S.V. 9—51932, 9—90548
Blinov, L.M. *see* Beresnev, L.A. 9—65801
Blinov, L.M. *see* Kirichenko, N.A. 9—95800
Blinov, S.I., Zalesskaya, G.A., Kotov, A.A. Visible luminescence of acrolein vapor excited by a pulsed CO_2 laser 9—54894
Blinov, S.I. *see* Borisevich, N.A. 9—86002
Blinov, V.M. *see* Bannykh, O.A. 9—83208
Blinowska, K.J., Czerminska, M.A., Chomicki, O.A., Gorowski, T. Computer analysis of frequency spectrum of a phonothyreogram 9—83966
Blinowski, A. On two phenomenological models of capillary phenomena 9—99393
Blint, R.J. *see* Melius, C.F. 9—74353
Bliokh, P.V. *see* Bezrodnyi, V.G. 9—96859
Bliokh, Yu.P., Lyubarskii, M.G. Non-linear potential oscillations of a cold unbounded plasma from a beam of charged particles 9—55492
Blissett, R. *see* Mason, K.O. 9—71093
Blissett, R.J. *see* Charles, P.A. 9—67079
Blistanov, A.A., Geras'kin, V.V., Kozlova, N.S. The mechanism by which the addition of Hg^{2+} affects the photosensitivity of silver chloride 9—67412
Blistanov, A.A., Makarevskaya, E.V., Geras'kin, V.V., Kamalov, O., Koblova, M.M. Influence of impurities on the optical quality and electrical conductivity of $LiNbO_3$ 9—64295
Blistanov, A.A. *see* Kudryavtseva, A.P. 9—69923
Blit, S., Olsson, A., Tang, C.L. Double-wavelength electro-optically tuned synchronously pumped CW dye laser 9—89924
Blit, S., Weaver, E.G., Tittel, F.K. Wavelength temperature and angle bandwidths in SHG of focused beams in nonlinear crystals 9—50343
Blit, S. *see* Pollock, C.R. 9—75618
Blitz, L. The rotation curve of the Galaxy to R=16 kiloparsecs 9—97081
Bliznakov, G., Klisurski, D., Cheshkova, K. Effect of alumina additives on the structure and catalytic properties of chromium-molybdenum oxide catalysts for the oxidation of methanol to formaldehyde 9—66346
Bliznakov, G., Zakhariev, Z., Peshev, P. Surface modification of rapid steel by treatment with zirconium diboride 9—66203
Blizzard, M., Boolchand, P., Langouche, G. Preparation, characterization, mechanical and heat treatment effects on the Heusler alloy Pd_2MnSb 9—78582
Blobel, V. *see* Berger, C. 9—49519
Bloch, A. *see* Argan, P. 9—85453, 9—89291
Bloch, D. *see* Beille, J. 9—56532
Bloch, M. *see* Barnham, K.W.J. 9—85293
Bloch, P., Wallace, R. Computer generated scatter dose distributions for 6-MV radiotherapy photon beams 9—62370
Bloch, P. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Bloch, P. *see* Groot, J.G.H. 9—93395
Bloch, T. Large computer systems and new architectures 9—89578
Block, H., Cowden, D.R., Lord, P.W., Walker, S.M. Relaxation in poly(N-vinylcarbazole) and ring chlorinated derivatives 9—73883
Block, J.H. *see* Ernst, N. 9—52086
Block, J.H. *see* Viswanathan, B. 9—83109
Block, M.M. *see* Giboni, K.L. 9—89204
Block, R. *see* Bonchez, P. 9—93912
Block, R.C., Nakagome, Y., Slovacek, R.E., Bean, E.B. Measurement of the $^{232}Th(n,f)$ cross section from 1 eV to 20 keV 9—67794
Block, R.C. *see* Feigenbaum, P.S. 9—67752
Block, R.C. *see* Liou, H.I. 9—54435
Block, R.C. *see* Perez-Griffo, M.L. 9—93793
Block, S. *see* Munro, R.G. 9—82023
Blocker, C.A. *see* Abrams, G.S. 9—89149, 9—89174
Blocker, T.G., III *see* MacDonald, D.B. 9—55281
Blockey, deB. *see* Wood, A.K.W. 9—100743
Blocki, J., Flocard, H. Calculation of giant resonances with time-dependent Hartree-Fock 9—85433
Blockx, P. *see* Coomans, D. 9—53275
Bloem, J., Giling, L.J. Mechanisms of the chemical vapour deposition of silicon 9—69991
Bloem, J. *see* Rijks, H.J. 9—78035, 9—91818
Bloem, J. *see* van der Putte, P. 9—96166
Bloem, J. *see* Verheijen, A.W. 9—66054
Bloembergen, N. Fundamentals of laser-solid interactions 9—69912
Bloembergen, N. *see* Black, J.G. 9—61884
Bloembergen, N. *see* Liu, P. 9—59734
Bloembergen, N. *see* Liu, P.L. 9—87529
Bloemen, E. *see* El-Sherbini, T.M. 9—98209
Bloemendal, J., Oldfield, F., Thompson, R. Magnetic measurements used to assess sediment influx at Llyn Goddionduon 9—74915
Blok, H. Ray theory of electromagnetic surface-wave modes in integrated optical systems 9—64360
Blok, H.P. *see* Alons, P.W.F. 9—54376
Blok, J., Vanslager, F., Asay, R. Water quality performance of a BWR with forward-pumped heater drains 9—67918
Blok, J. *see* Zaal, G.J. 9—54790

Blokh, A.G. *see* Adrianov, V.N. 9—81703
Blokh, G.M., Kuzhevskiy, B.M., Savenko, I.A. Increases in the intensity of protons and α particles at the front of an interplanetary shock wave 9—53695
Blokh, M.V. Variation approach to calculating the elastic and elastoplastic contact of a medium-thickness shell 9—64599
Blokhin, A.P., Knyukshto, V.N., Tolkachev, V.A. Rotational fluorescence depolarization in a vapor 9—54889
Blokhin, A.V., Kolodin, M.I. Instrument method of determining sign of correlation coefficient of random processes 9—71232
Blokhin, M.A., Blokhin, S.M. X-ray spectra excited by high-energy ions (review) 9—49976
Blokhin, S.M. *see* Blokhin, M.A. 9—49976
Blokhina, L.I. *see* Zviadadze, G.N. 9—52758
Blokhina, S.I., Pankova, N.A. Mechanism of striation formation in sheet glass 9—61751
Blokhintsev, D.I. Quarks in quantized space 9—89116
Blokhintsev, L.D., Safronov, A.N. Field-theoretic formalism for the theory of nuclear reactions and effects due to the indistinguishability of nucleons 9—75927
Blokhintsev, L.D., Simonov, Yu.A. Singularities of the partial-wave amplitudes in the three-body problem 9—71664
Blokhintseva, T.D. *see* Alizade, V.V. 9—80845
Blokzijl, R. *see* Gurtu, A. 9—49517
Blom, C.E. *see* Koniger, F. 9—98089
Blom, F.A.P., Gelten, M.J. Temperature dependence of electron concentration in cadmium arsenide 9—69410
Blom, G.M. Single Te films and Te trilayers for optical recording 9—94329
Blom, J. Measurement of dielectric relaxation of conducting solutions at low frequencies 9—80641
Blomberg, C., von Heijn, G., Nilsson, L. Description of some processes in protein synthesis from a statistical mechanical point of view 9—66440
Blomberg, P.E. *see* Espefalt, R. 9—97853
Blomeke, J.O., Tedder, D.W. Waste management aspects of alternative thorium fuel cycles 9—59204
Blomeke, J.O. *see* Croff, A.G. 9—85752
Blomeke, J.O. *see* Godbee, H.W. 9—54585
Blomgren, H., Wallgren, A., Idestrom, K., Baral, E., Wasserman, J., Petrini, B. Changes in mixed lymphocyte culture (MLC) functions of peripheral lymphoid cells after radiation therapy for breat carcinoma 9—88125
Blomgren, P.-G. *see* Bengtsson, G. 9—53248
Blommestijn, G.J.F., Haitsma, Y., Mooy, R., van Dantzig, R., Slaus, I. A four-dimensional approach to the almost 4π H(d,2p)n data 9—76003
Blommestijn, G.J.F., Mooy, R., van Dantzig, R., Slaus, I. The D(p,2p)n reaction at 50 MeV 9—75994
Blomquist, A., Norbury, J.R. Attenuation due to rain on series, parallel and convergent terrestrial paths [microwave links] 9—66735
Blomquist, R.N., Lewis, E.E. Complex trial functions in the even-parity transport equation 9—59108
Blomqvist, J. *see* Kleinheinz, P. 9—49571
Blomqvist, J. *see* Lonnroth, T. 9—49567
Blomqvist, J. *see* Piiparinen, M. 9—49573
Blomqvist, K.I. *see* Paras, N. 9—63659
Blomsnes, B. *see* Karppinen, J. 9—71911
Blondeau, J.M. *see* Beaufils, J.Cl. 9—98061
Blondel, A. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Blondin, C., Pettre, P. Mesoscale models. Conception and utilization 9—84411
Blonskii, I.V., Gubankov, V.A., Mizrukhin, L.V., Tishchenko, V.V. Indication of a phase transition of the first kind in a PbI_2 laminar semiconductor by exciton spectroscopy 9—82334
Blood, P., Brown, W.L., Miller, G.L. Incorporation of implanted In and Sb in silicon during amorphous layer regrowth 9—55761
Bloom, A.M. *see* Yuan, S.W. 9—57475
Bloom, D.M., Mollenauer, L.F., Chinlon Lin, Taylor, D.W., DelGaudio, A.M. Direct demonstration of distortionless picosecond-pulse propagation in kilometer-length optical fibers 9—94358
Bloom, D.M. *see* Mollenauer, L.F. 9—89925
Bloom, E. *see* Chestnut, R. 9—89531
Bloom, E.E. *see* Reiley, T.C. 9—57192
Bloom, F. Stability and growth estimates for electric fields in non-conducting material dielectrics 9—71262
Bloom, F.E. *see* Moore, R.Y. 9—96548
Bloom, S., Atlas, D., Thompson, J. Heavy water effects on leaky heart muscle cells and actomyosin 9—62220
Bloom, S.C. *see* Lewis, J.M. 9—79987
Bloom, S.D. *see* Alguard, M.J. 9—51176, 9—69167
Bloom, S.D. *see* Grimes, S.M. 9—71791
Bloom, S.D. *see* Moszkowski, S.A. 9—59034
Bloom, S.G. *see* Martin, W.E. 9—96669
Bloomer, J.R., Ward, J. A semi-automatic field apparatus for the measurement of thermal conductivities of sedimentary rocks 9—100970
Bloomer, W.D., Adelstein, S.J. Mediastinal lymphoscintigraphy reflects cell kinetics of developing malignant ascites 9—92176
Bloomquist, D.D., Duvall, G.E., Dick, J.J. Electrical response of a bimetallic junction to shock compression 9—95470
Bloor, D., Fisher, D.A., Batchelder, D.N., Kennedy, R., Cottle, A.C., Lewis, W.F., Hursthouse, M.B. A spectroscopic study of the second order phase transition in bis(p-toluene sulfonate) diacetylene polymer crystals 9—73922
Bloor, D. *see* Bubeck, C. 9—78522
Bloss, L. The model GO 15 oscilloscope. The first of a new generation of compatible Grundig oscilloscopes 9—54120
Bloss, W.H. *see* Pfisterer, F. 9—61987
Bloss, W.H. *see* Schock, H.-W. 9—61994
Blosser, H., Resmini, F. Progress report on the 500 MeV superconducting cyclotron 9—68011
Blosser, H. *see* Miller, P. 9—54668
Blosser, H.G. The Michigan State University superconducting cyclotron program 9—54658
Blosser, H.G. *see* Resmini, F. 9—54664
Blotcky, A.J., Rack, E.P., Recker, R.R., Leffler, J.A. Aluminium determination of archaeological bone employing neutron activation analysis 9—52847
Blote, H.W.J. Magnetically linear and quadratic hexanitrocuprates 9—78397
Blote, H.W.J., Swendsen, R.H. First-order phase transitions and the three-state Potts model 9—99709
Blote, H.W.J. *see* Bonner, J.C. 9—61091, 9—78394
Blote, H.W.J. *see* Diederix, K.M. 9—61136
Blote, H.W.J. *see* Fields, J.N. 9—78393
Blouet, J. *see* Barquins, M. 9—52394
Blount, E.I., Varma, C.M. Electromagnetic effects near the superconductor-to-ferromagnet transition 9—51708
Blount, E.I. *see* Dillon, J.F., Jr. 9—73796
Blount, E.I. *see* Gyorgy, E.M. 9—78120
Blount, E.I. *see* Thomas, G.A. 9—60728
Blount, E.I. *see* Varma, C.M. 9—95107
Blount, E.I. *see* Yi Chen, E. 9—73902
Bloxam, R.M. *see* Han-Ru Cho 9—88436
Bloyet, D., Varoquaux, E., Vibet, C., Avenel, O., Berglund, P.M., Combescot, R. Low-temperature spin relaxation in ^{2}He-B 9—55989
Bloyet, D. *see* Avenel, O. 9—51353
Bloyet, E. *see* Moisan, M. 9—50868
Bluck, B.J. *see* Longman, C.D. 9—92540
Bludau, W. *see* Brendecke, H. 9—95796
Blue, J.W. *see* Jha, S. 9—78580
Blue, M.D. Reflectance of ice and seawater at millimeter wavelengths 9—84552
Blue, R.A. *see* Skopik, D.M. 9—93587
Bluhm, T.L., Zugenmaier, P. Conformation and packing analysis of polysaccharides and derivatives. VI. Detailed refinement of tri-O-ethylamylose-solvent complexes TEA1-C1 and TEA1-DCM1 9—65067
Blum, A.S. *see* Miley, G.H. 9—76143
Blum, D. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Blum, E.Ya. Approximate method for solving problems of free MHD convection near plane and axisymmetric bodies of arbitrary shape 9—77270
Blum, E.Ya., Ozols, R.Ya. Free MHD convection in boundary layer near plane and axisymmetric bodies 9—94728
Blum, K., Kleinpoppen, H. Electron-photon angular correlation in atomic physics 9—64109
Blum, L., Stell, G. Polydisperse systems. I. Scattering function for polydisperse fluids of hard or permeable spheres 9—86664
Blum, L. *see* Henderson, D. 9—60912, 9—64970
Blum, P. *see* Backenstoss, G. 9—68336, 9—76035
Blum, S. *see* Morse, F.H. 9—57362
Blum, W. *see* Becker, H. 9—54363, 9—63533
Blum, W. *see* Blanar, G. 9—76285
Blumberg, A.F. *see* Kerr, C.L. 9—72871
Blumberg, L., Bittner, J., Galayda, J., Heese, R., Krinsky, S., Schuchman, J., van Steenbergen, A. National Synchrotron Light Source VUV storage ring 9—68031
Blumberg, L. *see* Galayda, J. 9—67973
Blumberg, L. *see* Krinsky, S. 9—68023
Blumberg, L.N. *see* Weng, W.T. 9—72062
Blumberg, W.E. *see* Dale, R.E. 9—62168
Blumel, G. *see* Petrowicz, O. 9—100698
Blumel, G. *see* Zanker, K.S. 9—100661
Blumen, A., Silbey, R. Dynamical approach to exciton migration in disordered molecular solids 9—65916
Blumen, A. *see* Collins, M.A. 9—73282
Blumen, A. *see* Currie, J.F. 9—73890
Blumen, W. A note on horizontal boundary conditions and stability of quasi-geostrophic flow 9—53446
Blumen, W. Unstable nonlinear evolution of an Eady wave in time-dependent basic flows and frontogenesis 9—88426
Blumenfeld, H. *see* Allemand, L. 9—81126
Blumenfeld, H. *see* Givernaud, A. 9—75801
Blumenthal, R.N. *see* Dirstine, R.T. 9—60543
Blumer, F. *see* Adam, S. 9—54701
Blumer, G.-P., Zander, M. On the luminescence of aromatic compounds with heavy atom substituents in different bonding situations 9—81236
Blumfield, C.W. Experience from a collocated fast reactor fuel cycle 9—59233
Blumich, B.P., Germer, R. Electro-optic shutters with PLZT ceramics for infrared applications 9—72679
Blumstein, A., Sivaramakrishnan, K.N., Clough, S.B., Blumstein, R.B. Polymeric thermotropic liquid crystals: polymers with mesogenic elements and flexible spacers in the main chain 9—60269
Blumstein, R.B. *see* Blumstein, A. 9—60269
Blumtritt, H. *see* Heydenreich, J. 9—82217
Blundell, D.J., Ricketson, B.W. The temperature of liquid nitrogen in cryostat dewars [application to standard microwave thermal noise source] 9—58700
Blundell, M., Overshott, K.J., Graham, C.D., Jr Power loss measurements in amorphous alloys 9—73776
Blunt, J.W., Happer, D.A.R. ^{13}C NMR spectra of styrene derivatives. An undergraduate experiment involving the application of the Hammett equation 9—84913
Bluschke, H. International harmonization in the field of dynamic measurement of liquid quantities 9—68840
Blustin, P.H. Electronic structure and π electron magnetic susceptibility anisotropy in first and second row substituted heterobenzenes 9—59353
Blustin, P.H. Aromatic proton chemical shifts without ring currents 9—81215
Bluyssen, H., Maan, J.C., Wyder, P., Chang, L.L., Esaki, L. Cyclotron resonance in an InAs-GaSb superlattice 9—73430
Bluyssen, H.J.A., Van Ruyven, L.J., Williams, F. Effects of quantum confinement and compositional grading on the band structure of heterojunctions 9—87151
Bly, S.H.P., Brandt, D., Polanyi, J.C. Production of electronically excited atoms. $H+Br_2 \rightarrow HBr+Br^{(*)}$, $H+HBr \rightarrow H_2+Br^{(*)}$ 9—100336
Blyakhman, E.M. *see* Gol'dman, A.Ya. 9—91730
Blyth, C.O. *see* Okumusoglu, N.T. 9—89316
Blyum, I.A. Generalized interpretation of accuracy and lower determination limit of methods of chemical analysis 9—52818
Blyum, I.A. Reproducibility and lower detection limit of photometric methods of analysis 9—87899
Blyumberg, M.I. *see* Antipin, M.V. 9—58814
Blyumen, A.L. *see* Shcherbinskii, V.G. 9—79212
Blyumenfel'd, L.A., Burbayev, D.Sh., Khangulov, S.V., Tsapin, A.I. Structures of the spin glass type in chloroplasts 9—79490
Blyumenfel'd, L.A. *see* Davydov, R.M. 9—70506
Blyumin, G.D., Zavozin, Zh.G. A property of a mechanical system having the position of its centre of mass subject to control 9—80422
Blyumkina, Yu.A. *see* Algazin, Yu.B. 9—65823
Blyussen, J.H.A., Maan, J.C., Wyder, P. Determination of Landau level lifetimes in n-GaAs 9—87112
Bo Hoistad, Adams, G.S., Gazzaly, M., Igo, G., Iram, F., Nann, H. The $(p,\pi^{\pm})$ reactions on ^{9}Be at 800 MeV 9—85463
Bo Hun Chung *see* Chung Bo Hun
Bo Liu *see* Liu Bo
Bo-gen Li *see* Li Bo-gen
Bo-In Lin, Zolotar, B., Weisman, J. An automated procedure for selection of optimal refueling policies for light water reactors 9—67892
Bo-li Liu *see* Liu Bo-li
Bo-lin Chao *see* Chao Bo-lin
Bo-Wei Xu *see* Xu Bo-Wei
Bo-yu Ho *see* Ho Bo-yu
Bo-yu Hou *see* Hou Bo-yu
Bo-yuan Hou *see* Hou Bo-yuan
Boag, J.W. Electrostatic imaging in radiology: Limitations and prospects 9—79645
Boag, J.W. *see* Seelentag, W.W. 9—57759
Boakye, F. *see* Grassie, A.D.C. 9—78223
Boalt, G., Bergryd, U. Differences in research orientation reflected in the allocation of grants. A methodological study 9—71218
Board, K. *see* Allman, P.G.C. 9—95500
Board, S.J. *see* Hall, R.W. 9—86449
Boardman, A.D. *see* Aers, G.C. 9—60617, 9—60890
Boase, D.G., Chen, J.D. Non-destructive analysis of irradiated CANDU fuels 9—59177
Boasson, M., Weihs, D. Symmetric vortex shedding from a cylinder in confined flow 9—50730
Boate, A.R., Morton, J.R., Preston, K.F., Strach, S.J. The halogen hexafluoride radicals: A variable temperature study 9—85977
Boatner, L.A. *see* Hochli, U.T. 9—91342, 9—99835
Boato, G., Cantini, P., Colella, R. Direct observation of charge-density waves by molecular-beam diffraction 9—73453
Boatright, R.Loring *see* Loring Boatright, R.

Boazi, M., Shenberg, C., Devir, S., Gabay, J. Detection of air pollution sources in Israel by isotope-induced XRF 9—52975
Bobashev, S.V. *see* Amus, M.Ya. 9—59413
Bobb, L.C., Ferguson, G., Rankin, M. Capillary wave measurements 9—64673
Bobbio, S., Gasparini, F. Some considerations on the energy balances in an EM field and on its 'transfer to the networks' 9—68349
Bobbio, S. *see* Hancox, R. 9—71976
Bober, A., Berkshire, R.C. The use of attenuated total reflectance (ATR) in determining the nature of a coating on a paper 9—79329
Bobick, J. *see* Kass, J.N. 9—83213
Bobik, M. Thermodynamic quantities for liquid benzene. I. Sound velocities between 283 and 463K and up to 62 MPa 9—55827
Bobisut, F. *see* Benvenuti, A. 9—49508, 9—58951
Bobkov, A.F., Vasil'ev, V.A., Kuznetsov, B.Ya., Kukavadze, G.M., Suvorov, A.L., Tumbakova, M.I., Shakov, K.P. Autoionization microscope 9—67433
Bobkov, I.S., Ivanova, N.I. Absorption spectra of silver in aqueous solutions of alkali chlorides 9—65895
Bobleter, O. *see* Binder, H. 9—66388
Bobodzhanov, I.B., Dzhuraev, A.A., Nikolaev, V.M. A muon hodoscope applied to locating orebodies in mineworkings 9—84491
Bobodzhanov, I.B. *see* Baiburina, S.G. 9—80156, 9—80170
Bobovich, Ya.S. *see* Aleksandrov, I.V. 9—65866
Bobovich, Ya.S. *see* Alekseeva, I.P. 9—78677
Bobovich, Ya.S. *see* Petrov, V.I. 9—99934
Bobritskaya, S.D., Voroshko, P.P., Kvitka, A.L. Compound problem of the theory of elasticity for an orthotropic layer weakened by double periodic plane cracks. II 9—90139
Bobritskaya, S.D., Vorshko, P.P., Kvitka, A.L. Compound problem of the theory of elasticity for an orthotropic layer weakened by double periodic plane cracks. I 9—86340
Bobrov, A.M., Vasil'ev, P.P., Zharkov, V.N., Trubitsyn, V.P. The equation of hydrostatic equilibrium in the theory of a planetary figure 9—62773
Bobrov, A.M. *see* Trubitsyn, V.P. 9—75152
Bobrov, S.A. *see* Yurova, L.N. 9—63738, 9—71923
Bobrov, S.N. Effect of tempering temperature on the mechanical properties of high-strength tool steel 9—83240
Bobrov, S.T. Compensation of distortion in a Fourier multiple-imaging system 9—76640
Bobrov, S.T., Brainin, Yu.I., Turkevich, Yu.G. Photoresists as media for recording holograms 9—98324
Bobrov, S.T., Greisukh, G.I., Prokhorov, N.A., Turkevich, Yu.G., Shitov, V.G. Third-order monochromatic aberrations of axial holographic lenses 9—98321
Bobrov, V.I. *see* Bakhtiyarov, A.Sh. 9—87636
Bobrov, V.L. *see* Bagdonas, A.V. 9—55573
Bobrov, V.S. *see* Baranova, G.K. 9—95543
Bobrov, V.T., Demchenko, A.S., Pranitskii, A.A., Yablonik, L.M. Production ultrasonic inspection of pipe and problems of its development 9—100316
Bobrov, V.T., Koryachenko, V.D. Improved sensitivity and reliability in automatic ultrasonic monitoring of tube butt welds 9—79205
Bobrova, N.A., Syrovatskii, S.I. Singular lines of one-dimensional force-free magnetic field 9—66920
Bobrovnik, S.A., Mendzhul, M.I., Lysenko, T.G. Kinetics, mechanism and thermodynamics of the process of adsorption of cyanophage A-1 on the cells of the algal host 9—57614
Bobrovnik, V.M., Popov, A.G. Use of electrokinetic effects for water quality control 9—70349
Bobrovnikov, G.N., Novozhilov, B.M. Measuring mass flow by means of a heat flowmeter 9—68833
Bobrovnitskaya, Zh.V. *see* Tul'ev, A.D. 9—71394
Bobrovskii, A.N., Vedenov, A.A., Kozhevnikov, A.V., Sobolenko, D.N. NH_3 laser pumped by two CO_2 lasers 9—68386
Bobrovskikh, I.E. *see* Yakshin, N.M. 9—52492
Bobrovsky, B.Z., Shlien, D.J., Brosh, A., Kleinstein, G. Weissenberg effect in Newtonian liquids 9—59990
Bobrowski, S.J. *see* Soltzberg, L.J. 9—99312
Bobulescu, R.C., Ceausescu, N. Some useful data for a nitrogen pumped dye laser setting up 9—86177
Bobulescu, R.C., St. Angiulescu, C., Ceausescu, N., Surmeian, A., Popescu, D., Popescu, I.I. A new method in atomic laser spectroscopy of sputtered metals 9—87917
Bobulescu, R.C. *see* Stanciulescu, C. 9—59685
Bobyl', A.V., Ermolovich, I.B., Pekar, G.S., Sheinkman, M.K. Effect of nickel on the electrical, photoelectrical, and luminescent properties of cadmium sulfide 9—95828
Bobyl', V.G. *see* Mustafin, Yu.I. 9—70249
Bobylev, A.P. *see* Kazennov, Yu.I. 9—83327
Bobylev, B.A., Kravchenko, A.F., Mashukov, Yu.P., Stefchenkova, O.V. A spatially distributed thermal light modulator 9—59839
Bobylev, Y.P., Chigrinov, V.G., Pikin, S.A. Threshold flexoelectric effect in nematic liquid crystal 9—94878
Bobyn, D. *see* Cameron, H.U. 9—79618
Bobyn, J.D. *see* Szivek, J.A. 9—79685
Bobyr', N.I. *see* Mozharovksii, N.S. 9—87694
Boccaccio, P., Viesti, G. A simple Monte Carlo program for neutron detector efficiency calculation 9—63874
Boccaletti, M. The role of the foreland in the late geotectonic evolution of the Mediterranean arcs at the continental stage 9—66670
Boccara, N., Ben Youssef, A., Hamedoun, M. Critical temperatures of a dilute magnetic system with nearest-neighbour and next-nearest-neighbour interactions 9—61121
Bocchieri, P., Loinger, A. Stokesian and non-Stokesian vector potentials in quantum mechanics. Comments on a letter by U. Klein 9—88832
Bocchieri, P., Loinger, A., Siragusa, G. Nonexistence of the Aharonov-Bohm effect. II. Discussion of the experiments 9—63081
Bocchio, F. Isoparametric and isozenithal-type representations of the actual gravity field of the Earth 9—53297
Bocciolini, M., di Caporiacco, G., Landi, A., Parrini, G. A method for digitizing projected bubble chamber pictures 9—63871
Boccotti, P., Scarsi, G. On the statistical properties of wind generated waves 9—100839
Bocek, B. *see* Ilavsky, M. 9—83247
Bocek, M. Secondary creep for non-constant loading conditions 9—51195
Bocek, M. Tensile creep rupture at cyclic load variation 9—66143
Bocek, M. Creep rupture at monotonous stress and temperature ramp loading. I. Calculations 9—74240
Bocek, M. Creep rupture at monotonous stress and temperature ramp loading. II. Application to Zircaloy 9—74241
Bocek, M., Petersen, C. The influence of oxide coatings on the ductility of Zircaloy-4 9—89381
Bocek, V., Vavrik, I., Liska, M. Two principles of laser interferometers and their properties 9—71516
Boch, A.L., Kibbe, R.K. Environmental aspects of high-level radioactive waste disposal 9—49713
Bocharkin, V.K. *see* Belyaevskii, A.I. 9—84597
Bocharov, E.P., Sudakov, S.A. Video monitor with color-coded display for an electron microscope 9—80729
Bocharov, L.D. *see* Simonov, K.V. 9—87600
Bocharov, V.I. *see* Belkina, L.M. 9—53629
Bocharov, V.K. *see* Sukhomlin, E.A. 9—55603
Bocharova, I.N. *see* Polyaev, V.M. 9—55372
Bocharova, S.A. Loss of stability and crack formation accompanying failure of thick-walled cylinders 9—77016
Bochev, B., Iliev, S., Kalpakchieva, R., Karamyan, S.A., Kutsarova, T., Nadzhakov, E., Venkova, Ts. Population and decay of high-spin levels of ^{156}Er, ^{160}Er in the reactions ^{120,124}Sn(^{40}Ar, 4n) 9—97648
Bochev, B. *see* Druin, V.A. 9—59101
Bochkans, P.Ya., Grigale, D.A., Kalnach, Ya.V., Kalnynya, R.P., Feltyn', I.A. Structural investigations of films formed by the reaction of silicon with organic compounds of nitrogen 9—87009
Bochkans, P.Ya., Grigale, D.A., Orupe, A.V. The reactivity of silicon with some nitrogen compounds 9—70192
Bochkarev, E.P. *see* Bagraev, N.T. 9—78568
Bochkarev, N.G., Karitskaya, E.A., Shakura, N.I. Calculation of the ellipsoidality effect in close binaries with a single optical component 9—92806
Bochkarev, N.G., Kharitskaya, E.A., Syunyaev, R.A., Shakura, N.I. On the polarization of optical radiation from X-ray binaries 9—58450
Bochkarev, V.V., Tikhomirova, E.A. Standardization of the control of the physical characteristics of radioactive pharmaceutical preparations 9—81139
Bochkareva, G.G., Ovchinnikov, Yu.V. Effect of biological media on physicomechanical properties of PVC materials 9—96168
Bochko, A.V. *see* Fedoseev, D.V. 9—94479
Bochkov, B.G. *see* Sobolev, B.V. 9—69566
Bochkov, G.N., Kuzovlev, Yu.E. Fluctuation-dissipation relationships for nonequilibrium processes in open systems [applied to p-n junction] 9—58668
Bochkov, G.N., Kuzovlev, Yu.E. Nonlinear stochastic models of oscillator systems 9—80525
Bochkov, G.N., Kuzovlev, Yu.E. A variational principle in nonequilibrium nonlinear statistical thermodynamics 9—85058
Bochkova, O.P., Ivanova, L.A. Effect of the vibrational excitation of an $H_2 {}^1\Sigma_g^+$ (v≠0) molecule on the efficiency of the dissociative excitation of H_α in a Ne-H_2 mixture 9—76495
Bochkova, O.P., Ivanova, L.A. Temperature dependence of the cross sections for the breakdown of the metastable states of Ne, Ar, and Xe by the hydrogen molecule 9—98211
Bochkova, T.N. Use of parametric linear discriminant analysis to forecast major air temperature anomalies 9—58056
Bochkovskaya, R.E. *see* Kabkov, G.Ya. 9—80584
Bochove, E. Geometrical optics field of general optical systems 9—81503
Bochsler, P. *see* Stettler, A. 9—74866
Bochu, B., Deschizeaux, M.N., Joubert, J.C., Collomb, A., Chenavas, J., Marezio, M. Synthesis and characterisation of a series of perovskite-like titanates instructural with $[CaCu_3](Mn_4)O_{12}$ 9—90615
Bochvar, N.R. *see* Popov, V.I. 9—82690
Bock, C.W. *see* George, P. 9—66331
Bock, E. *see* Dong, R.Y. 9—90529
Bock, F.C., Bhattacharyya, S., Howes, M.A.H. Equations relating contact fatigue life to some material, lubricant, and operating variables 9—96107
Bock, G. *see* Fuchs, K. 9—84172
Bock, H., Rantanen, J. Temperature and radiation tests with Pt- and Rh-self-powered neutron detectors 9—81132
Bock, H. *see* Semkow, A.M. 9—85890
Bock, O., von Koschitzky, H., Zangemeister, W.H. Vestibular adaptation to long-term stimuli 9—88075
Bockhorn, J., Nadjmi, M. The use of X-ray equipment in the neurosurgical operating department 9—92344
Bockisch, A., Bharuth-Ram, K., Kleinfeld, A.M., Lieb, K.P. Reorientation effect measurements of even mercury isotopes 9—71790
Bockisch, A., Braun, G., Miller, M., Matthes, R. Two methods to produce thick mercury targets for nuclear physics experiments 9—63851
Bockisch, A. *see* Hasselgren, L. 9—63588
Bockmann, K. *see* Barnham, K.W.J. 9—85293
Bockmann, K. *see* Blietschau, J. 9—93396
Bockmann, K. *see* Otter, G. 9—85338
Bockris, J.O'M., Khan, S.U.M. On correlations betwen spectroscopic and electrode processes 9—96329
Bockris, J.O'M. *see* Guruswamy, V. 9—52953
Bocquet, H. *see* Niay, P. 9—76754, 9—98091
Bocquet, J.-L., Martin, G. Irradiation-induced precipitation: a thermodynamic approach 9—78975
Boczko, R. *see* Benevides, P. 9—70944
Boda, D., Nagy, C., Bednarik, I., Ibranyi, G., Nagy, Z. Intensive therapeutical and monitoring system for neonates 9—100785
Bodak, O.I., Gladyshevskii, E.I., Yarovets, V.I., Davydov, V.N., Il'chuk, T.V. The systems [Y,Gd]-Fe-Si 9—52158
Bodak, O.I. *see* Mokra, I.R. 9—51064
Bodart, F. *see* Stroobants, J.B. 9—70608
Boddy, K. *see* Haywood, J.K. 9—88162
Bode, C. *see* Friedrich, S. 9—70372
Bode, J.H.G., Smit, W.M.A., Van Straten, A.J. Transferability of dipole moment derivatives: calculation of absolute rotational contributions for symmetrical molecules 9—72296
Bode, J.H.G. *see* Smit, W.M.A. 9—72297
Bode, W. Activation, activity and inhibition of bovine trypsin 9—79465
Bodea, M. *see* Vild-Maior, A. 9—82247
Bodegom, B.van *see* van Bodegom, B.
Bodek, A. *see* Barish, B.C. 9—63536
Bodek, A. *see* Brown, K.W. 9—80855
Bodek, A. *see* Dishaw, J.P. 9—85473
Bodek, K., Hugi, M., Lang, J., Muller, R., Ungricht, E., Jarczyk, L., Kamys, B., Okolowicz, J., Stromicki, J., Strzalkowski, A. Cluster effects in transfer reactions in the ^{9}Be-^{12}C system 9—76015
Boden, N., Bushby, R.J., Clark, L.D. End-chain ordering and even-odd effects in nematic thermotropic liquid crystalline mesophases studied by deuterium magnetic resonance 9—82890
Boden, N., Jackson, P.H., McMullen, K., Holmes, M.C. Are 'nematic' amphiphilic liquid crystalline mesophases thermodynamically stable? 9—95126
Bodenheimer, P., Tscharnuter, W. A comparison of two independent calculations of the axisymmetric collapse of a rotating protostar 9—62737
Bodenstein, N.K. Detection of pathological conditions via neurological signal processing 9—83993
Bodin, S. Problems in numerical boundary layer modelling 9—84396
Bodiul, P.P., Gitsu, D.V., Dolma, V.A., Miglei, M.F., Zegrya, G.G. The thermopower in bismuth whiskers 9—82615
Bodlund, K. Comments on 'Studies on the spatial variation of decaying sound fields' [J. Acoust. Soc. Am. 63, 1841-1850 (1978)] 9—90073
Bodnar, M.P., Zayachkovskii, M.P., Chepur, D.V. Peculiarities of properties of proustite-pyrargyrite isomorphic series crystals 9—65227
Bodner, S.E. *see* Armstrong, C.M. 9—98944
Bodner, S.E. *see* Decoste, R. 9—71952
Bodner, S.R., Merzer, A. Viscoplastic constitutive equations for copper with strain rate history and temperature effects 9—61686

Bodner, S.R., Symonds, P.S. Experiments on viscoplastic response of circular plates to impulsive loading 9—81825

Bodner, S.R. *see* Stouffer, D.C. 9—59930

Bodnevas, A.I. *see* Zheimite, O.C. 9—91963

Bodonyi, R.J. Transonic laminar boundary layer flow near convex corners 9—64686

Bodonyi, R.J. *see* Kluwick, A. 9—81981

Bodor, G. *see* Karger-Kocsis, J. 9—66154

Bodot, H. *see* Camail, M. 9—50162

Bodunov, E.N. The exact concentration dependence for the fluorescence anisotropy of a viscous solution 9—56829

Bodunov, E.N. *see* Malyshev, V.A. 9—56835

Body, Y. *see* Benard, C. 9—57396

Bodyachevskii, S.V. *see* Lingart, Yu.K. 9—51237

Bodziak, K. The electromagnetic field in a solid ferromagnetic plate induced by a local lateral magnetic flux 9—98259

Boeck, H., Suleiman, M. Development and tests of a self-powered neutron detector with a fissile emitter 9—76115

Boecker, B.B. *see* Benjamin, S.A. 9—88135

Boedeker, L.R. Scanning multiple collector electrostatic analyzer with application to plasma potential measurement 9—73046

Boehlert, G.W. Intraspecific evidence for the function of single and double cones in the teleost retina 9—62248

Boehm, A. *see* Barber, D. 9—54289, 9—54346

Boehm, A. *see* Barber, D.P. 9—89175, 9—97631

Boehm, A. *see* Erhan, S. 9—49550

Boehm, J.von *see* von Boehm, J.

Boehm, L., Reisfeld, R., Spectro, N. Optical transitions of Sm^{3+} in oxide glasses 9—61430

Boekema, C., Kundig, W., Meier, P.F., Reichart, W., Ruegg, K., Graf, H., Hintermann, A., Patterson, B.D. On the muonium states in silicon 9—56674

Boekema, C. *see* Ruegg, K. 9—56666

Boel, R.J. *see* Kasteleyn, P.W. 9—56485

Boell, G.R., Majumdar, A.J., Watts, J.A. Subsolidus relationships in the ternary system $CaO-Al_2O_3-P_2O_5$ 9—66046

Boellstorff, J. North American Pleistocene stages reconsidered inlight of probable Pliocene-Pleistocene continental glaciation 9—62470

Boenick, U. *see* von Nettelhorst, H. 9—84006

Boer, F.R.de *see* de Boer, F.R.

Boer, F.R.De *see* De Boer, F.R.

Boer, G.A.de *see* de Boer, G.A.

Boer, J.H.de *see* de Boer, J.H.

Boer, J.L.de *see* de Boer, J.L.

Boer, J.L.De *see* De Boer, J.L.

Boer, K.S.de *see* de Boer, K.S.

Boer, K.W. Solar retrofitting of existing residence with almost zero delta te system 9—61952

Boer, K.W. The photovoltaic effects in CdS/Cu_2S solar cells 9—61989

Boer, K.W. The physics of solar cells 9—100523

Boer, R.W.de *see* de Boer, R.W.

Boer, R.W.De *see* De Boer, R.W.

Boer, W.P.H.de *see* de Boer, W.P.H.

Boercker, D.B., Dufty, J.W. Degenerate quantum gases in the binary collision approximation 9—71358

Boeri, F. *see* Menez, J. 9—64449

Boerio, F.J., Chen, S.L. Reflection-absorption infrared spectroscopy and ellipsometry of epoxy films on metals 9—78765

Boerma, D.O. *see* Jenny, B. 9—85443

Boerner, H. *see* Brandelik, R. 9—63491, 9—93441

Boersma, F., Hijmans, J.P.A.M., de Jonge, W.J.M., Roos, J.M.A. Experimental and theoretical phase diagrams of some pseudo one-dimensional Heisenberg antiferromagnets 9—61148

Boes, N., Zuchner, H. Secondary ion mass spectrometry and Auger electron spectroscopy investigations of Vb metal foils prepared for hydrogen permeation measurements 9—52467

Boeschoten, F., Komen, R., Sens, A.F.C. An investigation of the positive column of a hollow cathode arc in a magnetic field. I 9—90493

Boeschoten, F. *see* Janssen, P.A.E.M. 9—90494

Boese, R.W. *see* Valero, F.P.J. 9—89713

Boesgaard, A.M. Velocity fields in the shell of α Orionis 9—101144

Boesgaard, A.M., Hagen, W. The circumstellar envelopes of M giants 9—92755

Boesten, L. *see* Berger, C. 9—49519

Boettcher, A.L. *see* Allen, J.C. 9—66678

Boettcher, R.D., Koppenwallner, G., Legge, H. Flat plate skin friction in the range between hypersonic continuum and free molecular flow 9—94668

Boetticher, H.von *see* von Boetticher, H.

Boetticher, H.Von *see* Von Boetticher, H.

Boeuf, A., Melone, S., Rustichelli, F. A neutron focusing experiment in the Fankuchen effect for curved crystals 9—60224

Boeuf, A., Rustichelli, F., Fournier, J.M., Gueugnon, J.F., Manes, L., Rebizant, J. Neutron diffraction study of $^{243}AmO_2$ 9—78332

Boev, A.G. On the theory of nonlinear surface waves in a plasma 9—94795

Boev, S.G., Annenkov, Yu.M., Sigaev, G.I. Characteristics of electrotransport in electron-irradiated samples of alkali halide crystals 9—69526

Bofdanov, V.L., Klochkov, V.P. Luminescence from higher excited states and vibrational relaxation of polyatomic molecules in solutions 9—52007

Boffi, S., Capuzzi, F. Hole spectral density in finite nuclei 9—63584

Boffi, S., Giusti, C., Pacati, F.D., Frullani, S. Validity of the factorized DWIA in (e,e'p) reactions 9—59054

Boffi, V.C., Dorning, J.J., Molinari, V.G., Spiga, G. Integral Boltzmann equation for test particles in a conservative field. I. Theory and exact solutions to some stationary and time-dependent problems 9—97324

Boffi, V.C., Molinari, V.G., Pescatore, C., Pizzio, F. Integral Boltzmann equation for test particles in a conservative field. II. Exact solutions to some space-dependent problems 9—97325

Bogach, P.G., Zyma, V.L., Shakhovsky, A.M., Danilova, V.M. Conformational changes and excitation energy transfer in myosin-auramine O system 9—96512

Bogachev, G.G. *see* Aleksakhin, I.S. 9—63942

Bogachev, I.N., Dotsenko, V.A., Romashev, L.N., Fakidov, I.G. Distinctive features of the formation of α-martensite in alloy G 14 placed in a magnetic field 9—91648

Bogachev, I.N., Filippov, M.A., Korshunov, L.G., Andryushchenko, L.Z., Aberin, Yu.I. Influence of chemical composition of the surface layer on the wear resistance of mandrels of high-manganese steel 9—52444

Bogachev, I.N., Karakishev, S.D., Litvinov, V.S., Efros, B.M. Influence of nickel and chromium on magnetic and crystallographic transformations in iron-manganese austenite 9—83334

Bogachev, I.N., Lepekhina, L.I., Zvigintsev, N.V., Konakova, I.P., Mikhailova, N.A., Gapeka, T.M. High-temperature embrittlement of 08Kh15N5D2T steel 9—70153

Bogachev, V.E. Estimation of the resistance to scoring of metals under dry friction conditions 9—99267

Bogachev, V.S. *see* Smol'skiy, B.M. 9—98787

Bogachuk-Kozachuk, K.A. *see* Shvets, I.T. 9—98718

Bogaenko, I.N., Biochuk, M.V., Timofeev, Yu.A. A conjugate heat exchange problem 9—64483

Bogaenko, I.N., Boichuk, M.V. Calculation of temperature fields with variable thermophysical properties 9—86324

Bogaenko, I.N., Boichuk, M.V., Timofeev, Yu.A. Solution of heat transfer problem in domains with sources having a variable power 9—72891

Bogan, D.J. *see* Hudgens, J.W. 9—81230

Boganik, G.N. Separation of random values in the analysis of geophysical data 9—74983

Bogar, F.D., Crooker, T.W. The influence of bulk-solution-chemistry conditions on marine corrosion fatigue crack growth rate 9—83373

Bogard, D.D. *see* Gibson, E.K., Jr. 9—71007

Bogardi, I. *see* Castano, E. 9—53392

Bogart, S.L. Fusion-fission energy systems 9—49831

Bogatenin, V.N. *see* Smushkovich, B.L. 9—57172

Bogatin, V.I., Lozhkin, O.V., Yakovlev, Yu.P. Phenomenological model of fragmentation and experimental proofs of its predictions 9—97694

Bogatin, Ya.G. Effect of phase and structural transformations occurring during liquid-phase sintering on the magnetic properties of $SmCo_5$ magnets 9—100086

Bogatin, Ya.G. *see* Surov, Yu.I. 9—100168

Bogatko, V.I., Grib, A.A., Kolton, G.A. Unsteady hypersonic gas flow past a thin finite-span wing 9—86457

Bogatko, V.V. *see* Protasov, E.A. 9—73623

Bogatov, A.A., Kolmogorov, V.L., Mizhiritskii, O.I., Shishmintsev, V.F. Influence of hydrostatic pressure on the plasticity of metals in low-cycle fatigue 9—61651

Bogatov, A.P., Eliseev, P.G., Okhotnikov, O.G., Pak, G.T. Hysteresis of the output radiation power of CW AlGaAs heterolasers 9—64230

Bogatov, A.P., Eliseev, P.G., Popov, Yu.M., Sukhov, E.G., Khairetdinov, K.A. Anomalous stimulated emission kinetics of semiconductor lasers with asymmetric waveguide structures. II. Theory 9—64228

Bogatov, A.P., Gurov, Yu.V., Dolginov, L.M., Eliseev, P.G., Sverdlov, B.N., Khairetdinov, K.A., Shevchenko, E.G. Narrow-band tunable injection heterolaser in the 1.06 μm band 9—76713

Bogatov, A.P., Gurov, Yu.V., Eliseev, P.G., Khairetdinov, K.A. Anomalous stimulated emission kinetics of semiconductor lasers with asymmetric waveguide structures. I. Experimental investigation using an external resonator 9—64227

Bogatov, A.P., Gurov, Yu.V., Eliseev, P.G., Okhotnikov, O.G., Pak, G.T., Khairetdinov, K.A. Low-frequency pulsations in the output intensity and multimode operations of GaAs-AlGaAs c.w. diode laser coupled to an external dispersive cavity 9—68394

Bogatov, A.P. *see* Bachert, H. 9—98364

Bogatov, A.P. *see* Bachert, H.-J. 9—81455

Bogatova, N.L., Bogolyubskii, S.D., Ul'yanin, E.A. Intercrystalline corrosion of austenitic steels with different amounts of chromium, nitrogen, and carbon 9—83374

Bogatskaya, I.G. A model for multiplicity distribution in high-energy hadron-nucleus interactions 9—59095

Bogaty, J.M. A noninteractive beam position and size monitor for heavy ions 9—72149

Bogaty, J.M. *see* Watson, J.M. 9—67970

Bogatyrev, A.F., Zhavrin, Yu.I., Kosov, N.D., Kryuchkov, V.F. Effect of thermodiffusive separation of components on heat transfer in multicomponent gas mixtures 9—81696

Bogatyrev, L.S., Gusev, A.P., Chernina, L.L. Thermophysical properties of baddeleyite-corundum refractories 9—82398

Bogatyrev, V.N. *see* Astakhov, I.I. 9—61869

Bogatyrev, Yu.K., Yampurin, N.P. Transformation of wave spatial harmonic spectra 9—72630

Bogayevsky, V.N., Povzner, A.Ya. On one-dimensional shock waves 9—64698

Bogdan, D., Cretu, T., Macarie, G., Popescu, D.G. The study of beta decay at 170 Tmnucleus 9—80899

Bogdan, D., Faessler, A., Vertes, P., Toki, H. Beta decay log ft values for transitional odd-mass nuclei 9—67715

Bogdan, M., Lupu, D., Nicula, A. Spin-lattice relaxation time and quadrupole coupling of deuterium in $PdD_{0.70}$ 9—73844

Bogdan, S.F. *see* Sergienko, V.I. 9—73945, 9—73946

Bogdankevich, O.V., Bryunetkin, B.A., Darznek, S.A., Zverev, M.M., Ushakhin, V.A. Two-dimensional variable-gap structures in longitudinally pumped semiconductor lasers 9—59703

Bogdanov, A.A., Zimmerman, R.A., Klang, C.C., Ford, N.C., Jr. Conformational changes in 16S ribosomal RNA induced by 30S ribosomal subunit proteins from Escherichia coli 9—79466

Bogdanov, A.P., Khlebnikov, F.P., Tsesnek, L.S. Automated testing of multifaceted prisms 9—72724

Bogdanov, A.P., Tsesnek, L.S., Ivanov, V.A. Choosing the grinding and polishing conditions for large optical components 9—81579

Bogdanov, A.V. *see* Dubrovskiy, G.V. 9—50134

Bogdanov, B. *see* Mikhailov, M. 9—66291

Bogdanov, B.F. *see* Raikher, V.L. 9—70246

Bogdanov, E.I., Nagibarov, V.R., Nagibarova, I.A. Quantum theory of self-induced transparency 9—98448

Bogdanov, E.V. *see* Brandt, N.B. 9—73432

Bogdanov, G.A. *see* Meshbei, V.I. 9—84161

Bogdanov, G.U. *see* Burnos, V.A. 9—70255

Bogdanov, P.V., Galayev, A.N., Gal'chuk, A.V., Davydov, M.S., Krymov, E.B., Malyshev, I.F., Mudrolyubov, V.G., Pavlov, G.M., Stepanov, A.V., Stogov, Yu.I. 103 and 60 cm compact cyclotron engineering 9—54656

Bogdanov, S.D. *see* Bakaev, V.A. 9—80175

Bogdanov, V.L., Klochkov, V.P. Effect of light quenching on the shape of fluorescence band of solutions 9—98148

Bogdanov, V.L. *see* Klochov, V.P. 9—98147

Bogdanov, V.N., Nemilov, S.V., Solov'ev, V.A., Mikhailov, I.G., Borisov, B.F., Nikonov, A.M. Fluctuations in glass melts in $NaO_2-B_2O_3$ systems 9—94865

Bogdanov, Yu.A. *see* Osipov, C.V. 9—59928

Bogdanova, A.V. *see* Golovach, I.I. 9—65901

Bogdanova, I.P., Ryazantseva, S.V., Yakhontova, V.E. Special features of the excitation of cadmium levels by slow electrons 9—72428

Bogdanova, L.N., Markushin, V.E., Shapiro, I.S. Near-threshold phenomena in NN system as coupled-channel problem 9—93476

Bogdanova, V.I. *see* Nenasheva, S.N. 9—87618

Bogdanovic, R., Gopinathan, M.S. A canonical transformation of the Hamiltonians quadratic in coordinate and momentum operators 9—84991

Bogdanovich, P.O., Boruta, I.I., Savukinas, A.Yu. Determination of the Hartree-Fock functions in the case of term mixing 9—63911

Bogdanovich, P.O., Rudzikas, Z.B., Safronova, V.I., Shadzhyuvene, S.D. The spectra of $2s^22p^53l$, $2s^22p^63l$ configurations with Al and Fe ions as examples 9—54781

Bogdanovich, P.O. *see* Boiko, V.A. 9—72230

Bogen, D.K., McMahon, T.A. Do cardiac aneurysms blow out? 9—88100

Boger, D.V. *see* Cable, P.J. 9—50757, 9—90218

Boger, D.V. *see* Nguyen, H. 9—60026

Boger, P. Utilisation of solar energy by biological production of hydrogen—an approach from fundamental research 9—70456

Bogert, D. *see* Ammosov, V. 9—71737

Bogert, D. *see* Berge, J.P. 9—71741

Bogert, D. *see* Efremenko, V.I. 9—75763
Boggess, A., Daltabuit, E., Torres-Peimbert, S., Estabrook, F.B., Wahlquist, H.D., Lane, A.L., Green, R., Oke, J.B., Schmidt, M., Zimmerman, B., Morton, D.C., Roeder, R.C. IUE observations of the quasar 3C 273 9—71149
Boggild, H. *see* Albrow, M. 9—97605
Boggild, H. *see* Albrow, M.G. 9—75805
Boggio, J.E. The room temperature oxidation of Cu (111): pressure effects 9—79283
Boggs, J.E. *see* Davis, S.L. 9—94057
Boggs, J.E. *see* Oberhammer, H. 9—89603
Boggs, L.M., Presby, H.M., Marcuse, D. Rapid automatic index profiling of whole-fiber samples. I 9—76816
Boggs, L.M. *see* Presby, H.M. 9—81527
Boghossian, H., Samuel, S., Misho, R.H., Dubey, K.S. Effect of point-defects on lattice thermal conductivity at low temperatures 9—90836
Boginskii, L.S. *see* Zhdanovich, G.M. 9—100081
Bogle, A.W., McMullan, J.T., Morgan, R., Murray, R.B. Modelling of a domestic wind power system including storage 9—92058
Bogner, L., Kalvius, G.M., Wiedemann, W. A continuously operating ^{3}He-cryostat for Mossbauer investigation of biological samples 9—96725
Bogod, Yu.A., Valeev, R.G. Nonlinear properties of bismuth under sound generation conditions 9—60845
Bogolubskov, S.I., Kiparisov, S.S., Rudakov, V.I. Methods of electrolytic preparation of sintered materials 9—52530
Bogolubskii, I.L. Bohr-Sommerfeld quantization of n-dimensional neutral and charged pulsons 9—49092
Bogolubsky, I.L. On spinor soliton stability 9—97532
Bogolyubov, N.N., Jr., Petrina, D.Ya. On a class of model systems that admit a lowering of powers in the Hamiltonian in the thermodynamic limit. II 9—88874
Bogolyubskii, S.D. *see* Bogatova, N.L. 9—83374
Bogomaz, T.N. *see* Kutsova, V.Z. 9—56968
Bogomolny, E.B. Large-complex-charge behaviour of the Dirac determinant 9—93328
Bogomolov, A.S., Vlasov, N.G., Shtan'ko, A.E. Study of the surface relief of a diffuse-reflection object by speckle topography with an unmasked aperture 9—54096
Bogomolov, G.D., Dubrovskii, Yu.V., Peskov, V.D. Multiwire gas counter for coordinated measurements in the vacuum ultraviolet region 9—67384
Bogomolov, G.D., Dubrovskii, Yu.V., Peskov, V.D. Photoelectric polling of multiwire gas counters 9—68141
Bogomolov, G.D., Dubrovskii, Yu.V., Peskov, V.D. Coordinate gas counters for the investigation of spectra in the vacuum-ultraviolet region 9—89014
Bogomolov, K.S., Kononenko, I.I., Gruz, E.A., Romanovskaya, K.M., Shiryagina, G.I. Photographic films of the type VR-M for holography with opposing beams 9—68370
Bogomolov, K.S. *see* Kharitonova, A.I. 9—58826
Bogomolov, V.A. Dynamics of vorticity at a sphere 9—68716
Bogomolov, V.I. *see* Skvortsov, Yu.S. 9—71524
Bogomolov, V.N., Zadorozhnii, A.I., Petranovskii, B.P., Fokin, A.V., Kholodkevich, S.B. A new modification of Te-a Te_8-ring, in small-diameter clusters 9—61378
Bogomolova, L.D. The effects of copper impurity in vanadate and tungsten-phosphate glasses 9—51849
Bogorodskii, P.V., Gavrilo, V.P. Noise accompanying the breakup of ice by the hull of an ice-breaker 9—94402
Bogorodskii, V.V., Kozlov, A.I., Matusevich, I.M. Thermal radio emission from an inhomogeneous medium 9—80667
Bogorodskii, V.V., Lebedev, G.A. Acoustic signals of narwhals 9—88097
Bogoslovskaya, M.N. *see* Bruk, B.S. 9—70333
Bogoyavlenskii, O.I. Self-similar rotation of an ideal gas 9—72955
Bogue, D.C. *see* Dietz, W. 9—77044
Bogue, D.C. *see* Racin, R. 9—94575
Bogush, G.E., Gross, L.G., Kravtsov, L.I., Pavlenko, E.S., Petrov, Yu.A. Electrostatic charge meter IEZ-P 9—75553
Boguslavskii, L.I., Khatiashvili, A.A., Gubkin, A.N., Ogloblin, V.A. The electret state and adsorption during injection into polymer films 9—69770
Boguslavskii, L.I. *see* Khatiashvili, A.A. 9—91344
Boguslavskii, V.A., Dvorchik, S.E., Zaremba, E.L., Rykov, V.G., Semyashova, L.M. Shape of free surface of heavy ferrofluid suspended in electromagnet gap of magnetostatic separator 9—76543
Boguslavsky, I.V. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Boguslawski, L., Popiel, C.O. Flow structure of the free round turbulent jet in the initial region 9—50765
Bogy, D.B. Break-up of a liquid jet: second perturbation solution for one-dimensional Cosserat theory 9—86478
Bohachevsky, I.O., Dickman, D.O., Goldstein, J.C. A new plasma model for the ICF magnetic wall reactor cavity concept 9—86602
Bohachevsky, I.O., Frank, T.G. Scaling laws for structural material requirements in inertial confinement reactors 9—76137
Bohak, Z. *see* Tanny, G.B. 9—83510
Bohandy, J., Kim, B.F. Conventional and dye laser optical spectra of zinc porphin in anthracene 9—68240
Bohara, R.C. *see* Olsen, L.C. 9—66007
Bohatka, S. *see* Berecz, I. 9—62382
Bohatka, S. *see* Schultz, G. 9—89783
Bohatka, S. *see* Tremmel, J. 9—94108
Bohdansky, J. *see* Bay, H.L. 9—74042, 9—87537
Bohdansky, J. *see* Staudenmaier, G. 9—98983
Bohigas, O., Lane, A.M., Martorell, J. Sum rules for nuclear collective excitations 9—59002
Bohl, E. On two boundary value problems in nonlinear elasticity from a numerical viewpoint 9—92945
Bohl, M. CNDO-investigation on the interaction between hydrogen and nickel surface 9—95465
Bohl, M. CNDO-calculations on the molecular structure of chemisorbed carbon monoxide 9—96368
Bohlander, P., Kruger, B. Flow inspection of cold strip surfaces with opto-electronic equipment 9—66253
Bohlander, R.A. *see* Irfan, A.Y. 9—54198
Bohlen, H.G., von Oertzen, W., Wust, P. The m-state population of $^{12}C_{2+}$ in inelastic scattering 9—93521
Bohlen, H.G. *see* Wust, P. 9—67709
Bohlin, R.C. *see* Strongylis, G.J. 9—70963
Bohm, A. Quantum mechanics 9—97258
Bohm, A. *see* Giboni, K.L. 9—89204
Bohm, D., Hiley, B.J. On the Aharonov-Bohm effect 9—92978
Bohm, G., Kampmann, B., Schluter, H. Measurements with an ion-sensitive probe in stationary RF-discharges of stellarator configuration 9—60194
Bohm, G.J. *see* Shah, V.N. 9—81004
Bohm, J. *see* Kaminskii, A.A. 9—91466
Bohm, K., Fischer, B. Photoluminescence at dislocations in GaAs and InP 9—99926
Bohm, K.H., Brugel, E.W. The iron abundance in Herbig-Haro objects and some new spectrophotometric data on H-H 2H 9—62826
Bohm, M., Meyer, R.F. Saturation of confining forces in a relativistic quark model for the baryons 9—93336
Bohm, M. *see* Hohne, K.H. 9—79640
Bohm, R., Engel, W., Hoth, S., Klinger, W., Sandner, W., Witthuhn, W. The magnetic moment of the first excited state in ^{138}La 9—63589
Bohm, R. *see* Witthuhn, W. 9—51895
Bohmann, J., Witschel, W. Isotopic mass dependence of the dissociation equilibrium of diatomic molecules 9—74372
Bohme, D. Modification of a known and development of a new testing method for the determination of the adhesive strength of thermally sprayed coatings 9—83432
Bohme, G. On a thermorheological second-order effect in cylindrical tubes 9—60015
Bohme, G., Nonn, G. Unsteady pipe flow of viscoelastic fluids—possibilities of volume discharge increase 9—50797
Bohmer, H., Munch, J., Caponi, M.Z. A free electron laser experiment 9—68400
Bohmer, W., Rabe, P. Temperature dependence of the mean square relative displacements of nearest-neighbour atoms derived from EXAFS spectra 9—87524
Bohmhammel, K. *see* Alekseevskii, N.E. 9—51710
Bohn, H. *see* Essel, H. 9—67705
Bohn, H.L. On organic soil carbon and CO_2 9—58063
Bohne, B.A., Carr, C.D. Location of structurally similar areas in chinchilla cochleas of different lengths 9—92229
Bohnen, K.-P., Ying, S.C. Electronic structure of K-(001) surface by the density matrix method 9—60900
Bohr, A., Mottelson, B.R. Physics of rapidly rotating nuclei 9—71782
Bohun, A., Pokorny, P. Thermostimulated phenomena in NaCl crystals doped with Ca or Mg 9—91505
Bohun, A. *see* Chvoj, Z. 9—95851
Bohun, A. *see* Marysko, M. 9—91290
Bohuski, T.J., Weedman, D.W. Limits on the number of faint quasars 9—92884
Boichuk, M.V. *see* Bogaenko, I.N. 9—72891, 9—86324
Boichuk, V.M. *see* Amelin, E.A. 9—67308, 9—67309
Boicourt, G.P., Swenson, D.A. Choice of geometry for the Alvarez section of the FMIT deuteron linac 9—72130
Boidron, M., Paulin, R. Vacancy formation enthalpy in γ cerium from positron annihilation 9—99182
Boiko, B. UNESCO solar energy programme 9—57358
Boiko, B.B., Dzhilavdari, I.Z., Petrov, N.S. Features of light reflection by a nonlinear transparent layer 9—55172
Boiko, G.A., Dneprovskii, V.S., Fokin, V.S. Generation of subnanosecond light pulses in CdS 9—64234
Boiko, I.I. *see* Bolgov, S.S. 9—56864
Boiko, S.A. *see* Lisitsa, M.P. 9—73947
Boiko, T.P. *see* Solyanko, V.F. 9—71460
Boiko, V.A., Danilychev, V.A., Zvorykin, V.D., Pikuz, S.A., Faenov, A.Ya., Kholin, I.V., Chugunov, A.Yu. Observation of 1 MeV electrons in a plasma heated by a CO_2 laser 9—90468
Boiko, V.A., Pikuz, S.A., Faenov, A.Ya. The determination of laser plasma electron density by K spectra of multicharged ions 9—64908
Boiko, V.A., Pikuz, S.A., Safronova, A.S., Faenov, A.Ya. Spectra of Ni XX and Cu XXI belonging to the fluorine isoelectronic sequence 9—93948
Boiko, V.A., Pikuz, S.A., Safronova, A.S., Faenov, A.Ya., Bogdanovich, P.O., Merkelis, G.V., Rudzikas, Z.B., Sadziuviene, S.D. Identification of spectral lines of ions belonging to the F I isoelectronic sequence with nuclear charge Z=26-30, 32 and 34 from laser-produced plasmas 9—72230
Boiko, V.A., Vladimirov, V.V., Danilychev, V.A., Duvanov, B.N., Zvorykin, V.D., Kholin, I.V. Excitation of supersonic radiation waves in a gas by a CO_2 laser 9—90433
Boiko, V.A. *see* Basov, N.G. 9—89930
Boiko, V.I. *see* Domashevskaya, E.P. 9—87008
Boiko, V.M. *see* Alkhimov, A.P. 9—68830
Boiko, V.V., Kushnirenko, I.Y., Pentsak, G.M., Maksimovich, H.K. IR absorption spectra of impurity anions SeO_4^{2-} and WO_4^{2-} in KCl and KBr crystals 9—51995
Boiko, V.V. *see* Belyi, M.U. 9—99863
Boiko, Yu.I., Geguzin, Ya.E., Klinahuk, Yu.I. Experimental detection of increased dislocation in metals in an electron wind 9—95024
Boikov, A.A. *see* Andreeva, L.N. 9—65835
Boikov, Yu.A., Gol'tsman, B.M., Kutasov, V.A. Thermal conductivity of $Bi_2(Te,Se)_3$ films 9—69304
Boikova, A.I. *see* Ekimov, S.P. 9—94980
Boikova, E.I., Rozenman, G.I. Photoelectric emission study of the 'intrinsic' field effect in lithium niobate 9—69961
Boikova, E.I. *see* Rozenman, G.I. 9—69786
Boikova, E.I. *see* Tomashpol'skii, Yu.Ya. 9—74069
Boillat, G., Ruggeri, T. Reflection and transmission of discontinuity waves through a shock wave. General theory including also the case of characteristic shocks 9—76908
Boillot, J. *see* Baribaud, G. 9—72209
Boily, C. *see* Tam, W.G. 9—62581
Boireau, V. *see* Aknin, J.P. 9—68001
Boiron, P. Nuclear plants: France and the export market 9—89489
Bois, A.G. *see* Dupin, J.J. 9—56041
Boisch, R. *see* Guicking, D. 9—50619
Boischot, A. *see* Lecacheux, A. 9—70940
Boismier, G., Hlatky, L., Tepley, N. Magnetocardiography in weak DC ambient magnetic fields 9—79567
Boisse, P. *see* Serra, G. 9—88742
Boissier, M. *see* Rey-Lafon, M. 9—77669
Boisson, J.P., Silvestre-Brac, B., Liotta, R.J. A shell-model calculation in terms of correlated subsystems 9—80884
Boistelle, R. *see* Madsen, H.E.L. 9—52098
Boisvert, J. *see* Bergerioux, C. 9—96717
Boiten, W. Flow measurement in open channels with weirs and flumes 9—68874
Boiteux, M. From energy analysis to economic calculation 9—57349
Boiteux, S. *see* Villani, G. 9—92149
Boiti, M., Pempinelli, F. Similarity solutions of the Korteweg-de Vries equation 9—63051
Boitsov, B.F. Plane-mirror ring cavity with diaphragm and with spatially inhomogeneous amplifying medium 9—55162
Boitsov, V.F. Theory of the frequency nonreciprocity of the oppositely traveling waves in a ring laser with plane mirrors, an iris, and a spatially nonuniform medium 9—64255
Boitsov, V.F. Axial contour and stability of the ring optical resonator with arbitrarily situated medium 9—89939
Boitsov, V.F. Stability of oppositely traveling waves of a ring optical resonator with a diaphragmed spherical mirror and a spatially inhomogeneous medium 9—98415
Boitsov, V.G. *see* Khatiashvili, A.A. 9—91344
Boitsov, V.V. Role of metrology in solving national economic problems 9—93091
Boitsova, T.M., Kasaev, K.S. A criterion of airtightness and rating the effectiveness of leak detection 9—52590
Boivin, A. *see* Biswas, S.C. 9—72464, 9—98557
Boivin, J.C. *see* Houttemane, C. 9—99172
Boivin, J.-C., Thomas, D., Pouillard, G., Perrot, P. Determination of the crystal structure of barium ferrite $Ba_2Fe_6O_{11}$ 9—86755
Boivin, J.-C. *see* Conflant, P. 9—99153

Boivin, J.-C. *see* Guillermo, R. 9—65190
Boivin, M. *see* Fougeres, R. 9—77675
Boivin, W.S., Shinopoulos, G. A digital display adaptor for the Victoreen 440 survey meter 9—70644
Boiziau, C., Dose, V., Scheidt, H. The density of unoccupied electronic states in tantalum 9—77977
Bojadziev, G.N. *see* Lardner, R.W. 9—98657
Bojarski, Z., Lagiewka, E. The structure of electrolytic Cu-Cd alloys obtained on the (111) surfaces of a copper single crystal 9—51437
Bojin, D. *see* Gadea, S. 9—74114
Bojovic, S. *see* Susic, M. 9—55925
Bojovic, V. *see* Antic-Jovanovic, A. 9—59485
Bojowald, J. *see* Alderliesten, C. 9—76005
Bojowald, J. *see* Paic, G. 9—76013
Bok, A.B. Mirror electron microscopy theory and applications 9—67443
Bok, B.J. Globules and star formation 9—58398
Bok, J. *see* Batallan, F. 9—95310
Bokemeyer, H. *see* Handschug, L. 9—54739
Bokhan, P.A., Gerasimov, V.A., Solomonov, V.I., Shcheglov, V.B. Stimulated emission mechanism of a copper vapor laser 9—64213
Bokhan, P.A., Solomonov, V.I. Barium-vapor laser with a high average output power 9—72593
Bokhan, P.A., Solomonov, V.I. Lasing characteristics of a barium vapor gas discharge laser excited by a pair of pulses 9—89895
Bokharee, S., Becker, M. Albedo conditions for power reactors 9—80989
Bokharee, S., Rimawi, K., Garg, J.B. (p,γ) reaction studies on ^{60}Ni 9—59063
Bokhon'ko, A.I. *see* Razumova, V.V. 9—53021
Bokii, G.B., Izotov, A.D., Lazarev, V.B., Smirnova, N.L., Shevchenko, V.Ya., Belov, N.V. A system of morphotropic transitions between Ax compounds 9—60304
Bokii, G.B. *see* Arkhipenko, D.K. 9—94981
Bokii, G.B. *see* Samsonenko, N.D. 9—91097
Bokor, J., Bischel, W.K., Rhodes, C.K. Doppler-free spectroscopy of the ν_2 band in $^{14}NH_3$: Application to 16-μm generation 9—94049
Bokor, J. *see* Bischel, W.K. 9—59745, 9—83478
Bokor, J. *see* Eggieston, J. 9—86165
Bokov, V.A., Smolenskii, G.A. Materials for cylindrical magnetic domains (magnetic bubbles) 9—61194
Bokov, V.A., Yatsenko, V.A., Bystrov, M.V., Zaitseva, N.V. Temperature dependence of the easy-axis inclination in epitaxial garnet films 9—65699
Bokov, V.A. *see* Volkov, V.V. 9—99740
Bokov, V.L. *see* Belyaevskii, A.I. 9—84597
Boksenberg, A. *see* Sargent, W.L.W. 9—62925
Boksenberg, A. *see* Young, P.J. 9—53928
Bokser, V.D., Dmitriyeva, V.B., Nevskiy, L.B., Serebriyskiy, Ya.M. Determination of the wave drag of an airfoil in a transonic flow by shear interferometry 9—77165
Bokshtein, S.Z., Zyulina, N.P., Mirskii, L.M., Markovich, O.V., Prokhodtseva, L.V. Cyclical heat treatment of titanium alloys 9—57009
Bokut', B.V., Kazak, N.S., Malashchenko, A.T. The possibility of space scanning of a laser beam with doubled frequency by a nonlinear crystal 9—50336
Bokut', B.V. *see* Shepelevich, V.V. 9—61329
Bol, A. *see* Bosman, M. 9—49627, 9—67581
Bol, K. *see* Dylla, H.F. 9—80631
Bol, K. *see* Eubank, H. 9—82074
Bola, M.S. *see* Singh, V.P. 9—77183
Bolda, F.J., Lawrence, W.C. Flexible holographic disc for laser scanner 9—94188
Boldrin, B. *see* Lazzarin, R. 9—62134
Boldt, E. *see* Rothschild, R. 9—58248
Boldt, E.A. *see* Giacconi, R. 9—70941
Boldt, E.A. *see* Marshall, F.E. 9—71153
Boldt, E.A. *see* Mushotzky, R.F. 9—101196
Boldt, E.A. *see* Pravdo, S.H. 9—92889
Boldt, E.A. *see* Rose, L.A. 9—92890
Boldu, J.L., Abraham, M.M., Chen, Y. Valence compensation of thermally generated $[Li]^0$ defects in MgO 9—77598
Boldyr', L.A. *see* Aleksandrovskaya, N.G. 9—69866
Boldyrev, E.I. *see* Fofanov, O.N. 9—83427
Boldyrev, S.A. *see* Basov, Yu.G. 9—55605
Bolef, D.I. *see* Brown, J. 9—87303
Bolef, D.I. *see* Mozurkewich, G. 9—95654
Boleij, J.S.M. Air pollution by dust particles: effects and relevant size distribution 9—52974
Boles, J.A. *see* Eastman, J.M. 9—55146
Boley, C.D., Gelbard, E.M., Hirshman, S.P. Neoclassical transport in plasmas containing ions with multiple charge states 9—77340
Boley, F. *see* Williams, G. 9—101222
Bolfing, B.J. *see* Meyer, E.R. 9—71942
Bolger, J., Boschitz, E., Mischke, R., Nagel, A., Saathoff, W., Wiedner, C., Zichy, J. Elastic and inelastic scattering of pions from ^{7}Li at T_π=164 MeV 9—85532
Bolger, J., Boschitz, E.T., Ingram, C.H.Q., Probstle, G., Mischke, R., Gram, P.A.M., Jansen, J., Zichy, J. Measurement of double charge exchange cross-section $^{16}O(\pi^+,\pi^-)$ at 240 MeV 9—85515
Bolger, J. *see* Ellis, R.J. 9—85365
Bolger, J.E., Ellinger, H., Moore, C.F. WORKER, a program for histogram manipulation 9—54115
Bolger, J.E. *see* Kalne, J. 9—85521
Bolgov, S.S., Kollukh, A.G., Malyutenko, V.K., Boiko, I.I. The influence of an external magnetic field on the recombination radiation and current-voltage characteristics of indium antimonide under impage ionization conditions 9—56864
Bolin, B. On the role of the atmosphere in biogeochemical cycles 9—79427
Bolin, L. A model for estimating the signal from an acoustic emission source 9—68476
Bolkin-Mechtalin, Yu.K. Automatic multirange calibrator of strain-gauge bridges 9—67285
Boll, S.F. A spectral subtraction algorithm for suppression of acoustic noise in speech 9—64413
Boll, S.F. *see* Pulsipher, D. 9—64414
Bolle, D., Osborn, T.A. Time delay in N-body scattering 9—75389
Bolle, D. *see* Osborn, T.A. 9—75405, 9—75695
Bollinger, G.A. Attenuation of the Lg phase and the determination of m_b in the southeastern United States 9—92487
Bollini, C.G., Giambiagi, J.J., Tiomno, J. Gauge field copies 9—63362
Bollini, D. *see* Bacci, C. 9—93440
Bollmann, W. Absorption and electrical conductivity of $CaMoO_4$ crystals 9—51301
Bolobov, P.A. *see* Alekseev, P.N. 9—97752
Bologa, M.K. *see* Didkovskii, A.B. 9—86331
Bolognesi, G.P. Physics of photography. I. The latent image 9—80709
Bolognesi, G.P. The photographic process physics. II. Treatment and materials sensitometry 9—93241
Bologov, G.A. *see* Krutasova, E.I. 9—57075
Bolokhov, A.A., Vereshchagin, V.V. Analysis of asymptotical sum rules for $\pi\pi$ resonances 9—54359
Bolomey, L. *see* Beaver, J.E. 9—53238
Bolon, C. *see* Martin, J.F. 9—89167
Bolondi, G., Rocca, F., Savelli, S. A frequency domain approach to two-dimensional migration 9—74841
Bolotin, H.H., Kennedy, D.L., Linard, B.J., Stuchbery, A.E., Sie, S.H., Katayama, I., Sakai, H. Measured lifetimes of states in ^{197}Au and a critical comparison with the weak-coupling core-excitation model 9—63630
Bolotin, V.A., Berziunas, A.V. Conformational analysis, barriers of internal rotation and electron structure of methanol and ethanol 9—63916
Bolotin, V.A. *see* Belyi, Ya.I. 9—69016
Bolotina, N.E., Kuchkaeva, I.K., Rakhovskaya, S.M., Egorova, S.A., Klyaeva, T.M. Gas-chromatographic investigation of the adsorption properties of the surface of the hydroxides of some transition metals 9—66343
Bolotnikov, F.S., Sokolov, Yu.S. Investigation of diffusion during swelling of a gelatine layer in a developer 9—97461
Bolotnikov, F.S., Sokolov, Yu.S., Filippova, N.I. Approximation of the process of penetration of developing agents by the theory of diffusion 9—67411
Bolotnikova, T.N., Naumova, T.M., Savchenkov, V.I. $S_0 \rightarrow T_1$ absorption spectra of aromatic hydrocarbons in Shpol'skii matrices 9—85995
Bolotnyi, V.M. *see* Bron, Yu.M. 9—79210
Bolotskii, V.P. *see* Belyaev, F.N. 9—80870
Bolotskikh, L.T., Popov, A.K. Optimal conditions for frequency tripling for CO_2 laser radiation based on the vibrational nonlinearities of molecular gases 9—72618
Bolozdynya, A.I., Lebedenko, V.N., Rodionov, B.U., Balakin, A.A., Yakovlev, B.S. Electrostatic electron emission into a gaseous medium from alpha-particle tracks in liquid isooctane 9—54747
Bol'shakov, B.V., Doktorov, A.B., Tolkatchev, V.A., Burshtein, A.I. H-atom abstraction kinetics in solids influenced by free radical decay during their accumulation 9—74352
Bol'shakov, I.G. *see* Al'tshulev, S.A. 9—78539
Bol'shakov, L.P. *see* Atarbekov, S.G. 9—73575
Bol'shakov, V.I., Kalamkarov, G.R., Ostrovskii, M.A. Photoinduction of potential on photoreceptor cell disk membrane 9—70548
Bol'shakova, N.V., Mal'ter, V.P. Effective thermal conductivity of sitalls at various stages of heat treatment 9—60562
Bol'shakova, O.V., Troitskaya, V.A. Dynamics of the day cusp, according to observations of long-period geomagnetic pulsations 9—53656
Bol'sheva, Yu.N., Govorkov, A.V., Kamalov, M.N., Kolesnik, L.I., Mil'vidskii, M.G., Shershakova, I.N. Luminescence properties of GaAs crystals doped with both Sn and Te 9—52017
Bol'shov, L.A., Kirichenko, T.K., Favorskii, A.P. Numerical analysis of diffraction instability of 2π pulses of light 9—89975
Bolshov, L.A., Likhansky, V.V. Small-scale instability of a pulse front transversing a resonant saturable absorber 9—72631
Bol'shov, V.M., Tsvetkov, A.A. RPG-202 rheoplethysmograph 9—92405
Bol'shova, N.M. *see* Vil'yams, O.S. 9—57000, 9—79010
Bolshutkin, D.N., Desnenko, V.A., Ilichev, V.Ya. Low temperature plastic deformation of Fe-Cr-Ni steels in magnetic fields to 2.71×10^3 Am^{-1} 9—83256
Bolshutkin, D.N. *see* Pecherskaya, V.I. 9—99527
Bolstad, J.W. Verification of the TRAC code on RSR standard problem 5 9—49724
Bolsterli, M. Special coherent states for π-N scattering 9—67601
Bolsterli, M. Hamiltonian field theory for systems of nucleons and mesons 9—75860
Bolt, B.A. Earthquake hazards 9—62441
Bolt, B.A. Fallacies in current ground motion prediction 9—88292
Boltax, A., Foster, J.P., Kalinowski, J.E., Swenson, D.V. Design applications of irradiation creep and swelling data 9—59167
Boltezar, E., Haseroth, H., Pirkl, W., Plass, G., Sherwood, T.R., Tallgren, U., Tetu, P., Warner, D., Weiss, M. Performance of the new CERN 50 MeV linac 9—67972
Bolton, A. *see* Bertelli, G. 9—71081
Bolton, C.T. *see* Gulliver, A.F. 9—58355
Bolton, H.C., Law, C.H. Series-expansion analysis of critical-temperature shifts of finite Ising lattices with 'self-consistent' boundary conditions 9—61134
Bolton, J.G., Wright, A.E., Savage, A. The Parkes 2700 MHz survey. XIV. Catalogue for Declinations $-4°$ to $-15°$, Right Ascensions 10^h to 15^h 9—75121
Bolton, J.G. *see* Savage, A. 9—75289, 9—88761
Bolton, J.R. Solar fuels 9—66413
Bolton, M.P. *see* Coleman, J.D. 9—96685
Bom, N. *see* Ligtvoet, C. 9—62316
Bom, N. *see* Vogel, J.A. 9—70597
Bomar, B.W. *see* Roberds, D.W. 9—80673
Bomar, S.H., Jr. *see* Walton, J.D. 9—61955
Bombik, A. *see* Oles, A. 9—56506
Bomford, C.K. *see* Haywood, J.K. 9—92374
Bommeli, B., Frei, C., Ratajski, A. On the influence of mechanical perturbation on the breakdown of a liquid dielectric 9—91366
Bomsdorf, H. *see* Mader, H. 9—86048
Bomse, D.S. *see* Woodin, R.L. 9—68277
Bomshtein, I.S. *see* Belousova, V.V. 9—81326
Bomze, H. *see* Hack, S. 9—70683
Bon, A.M. *see* Giordano, J. 9—51952
Bon, L. *see* Inchingolo, P. 9—79699
Bon Mardion, G., Claudet, G., Seyfert, P. Steady state heat transport in superfluid helium at 1 bar 9—60574
Bonaccorso, A., di Toro, M., Lomnitz-Adler, J. Exponential convergence and acceleration of Hartree-Fock calculations 9—85367
Bonafede, M. *see* Boschi, E. 9—74863
Bonafede, M. *see* Sabadini, R. 9—70758
Bonalumi, R.A. The rigorous calculation of homogenized diffusion theory parameters 9—85587
Bonamy, J. *see* Robert, D. 9—98085
Bonani, G. *see* Suter, M. 9—52801
Bonanno, A. *see* Bellecci, C. 9—70463
Bonaventura, G. *see* Bigi, F. 9—90031
Bonch-Bruevich, A.M., Libenson, M.N., Makin, V.S., Pudkov, S.D., Ivanova, M.N., Kochengina, M.K. Effect of oxygen diffusion and dissolution on the optical properties of a metal in radiative heating 9—65884
Bonch-Bruevich, A.M., Maksimov, Yu.N., Przhibel'skii, S.G., Khromov, V.V. Manifestation of the quasi-bound motion states of atoms in the nonlinear excitation spectrum of resonance fluorescence 9—85935
Bonch-Bruevich, A.M., Zinchenko, V.I., Imas, Ya.A., Kaporskii, L.N. Initiation of low-threshold breakdown at a gas-dielectric interface 9—68900
Bonch-Bruevich, V.A., Ovsyankin, V.V. Phosphorscope version of the Bloembergen IR photon counter 9—49293
Bonch-Bruevich, V.L. Comments on the calculation of the high-field conductivity of disordered semiconductors in presence of a random field 9—65489
Bonch-Bruevich, V.L., Temchin, A.N. Nonlinear theory of the electron temperature superlattice in semiconductors 9—78112
Bonch-Osmolovskaya, N.A., Batsev, S., Vylov, Ts., Gromov, K.Ya., Gromova, I.I., Lebedev, N.A. A study of the radioactive decay of ^{172}Lu 9—75912
Bonch-Osmolovskaya, N.A., Batsev, S., Vylov, Ts., Gromov, K.Ya., Gromova, I.I., Lebedev, N.A. Decay scheme of ^{172}Lu 9—75913
Bonch-Osmolovskii, A.G., Dolya, S.N. A high-current medium-energy ion accelerator with an annular electron beam 9—97913

Bonche, P., Davies, K.T.R., Flanders, B., Flocard, H., Grammaticos, B., Koonin, S.E., Krieger, S.J., Weiss, M.S. Time-dependent Hartree-Fock calculations of fusion cross sections for $^{16}O+^{40}Ca$ and $^{28}Si+^{28}Si$ 9—93676
Bonchev, E.K. *see* Popov, K.G. 9—57066
Bonchev, T. *see* Grozdanov, M.I. 9—63188
Boncheva-Mladenova, Z., Dishovsky, N. Growth of $Bi_2(SeO_4)_3$ single crystals in silica gels 9—74075
Boncheva-Mladenova, Z., Dishovsky, N. Growth of single crystals of Ag_2SeO_4 in silica gels 9—95915
Bonchez, P., Block, R., Jansen, L. Indirect exchange ('superexchange') interactions and hydrogen bonding 9—93912
Bond, A.H., Jr. *see* Bauman, S.E. 9—100470
Bond, A.M., Grabaric, B.S. Fast sweep differential pulse voltammetry at a dropping mercury electrode with computerized instrumentation 9—79326
Bond, H.E., Walter, D.K., Wallerstein, G., Morbey, C.L., Popper, D.M. The double-lined spectroscopic binary HD 214686 9—58376
Bond, J.D., Baumann, G. Comments on electrostriction and/or cooperativity as viable models of membrane excitability 9—79487
Bond, J.R. *see* Epstein, R.I. 9—62815
Bond, L.J. A computer model of the interaction of acoustic surface waves with discontinuities 9—68461
Bond, L.J. *see* Ilan, A. 9—50626
Bond, P.D., LeVine, M.J., Pisano, D.J., Thorn, C.E., Lee, L.L., Jr. L=1 single-proton pickup reactions on ^{40}Ca 9—67734
Bond, P.D. *see* Kubono, S. 9—75950
Bond, W.D. *see* Leuze, R.E. 9—85810
Bondar, A. *see* Baisa, D. 9—77746
Bondar, A.F. *see* Amelin, E.A. 9—67308
Bondar', R.U., Kalinovskii, E.A. Electrochemical stability of titanium-ruthenium oxide anodes 9—70346
Bondar', V.I. *see* Shumilov, M.A. 9—57081
Bondaras, Kh.Ya. *see* Berzonis, M.A. 9—89514
Bondarchuk, Eh.N., Dojnikov, N.I., Mingalev, B.S. Mathematical simulation of equilibrium plasma configurations and power supply operating conditions in Tokamak-type devices 9—76125
Bondarchuk, L.F. *see* Fedotov, V.K. 9—93158
Bondarchuk, V.M. *see* Batuner, Yu.D. 9—49324
Bondarenko, A.G. *see* Kudryashov, N.A. 9—81964
Bondarenko, A.N., Vologdin, V.K., Krinitsyn, Yu.M. Stabilized two-frequency He+Ne laser for 0.63-μ wavelength 9—94243
Bondarenko, A.V., Golubev, V.S., Dal'shchikov, E.V., Lebedev, F.V., Ryazanov, A.V. Thermal instability of a self-sustaining gas discharge 9—55582
Bondarenko, A.V., Golubev, V.S., Dal'shchikov, E.V., Lebedev, F.V., Ryazanov, A.V. The effect of gas turbulence on a discharge in air 9—99010
Bondarenko, B.A. Calculation of electromagnetic field penetration into ferromagnetic materials by perturbation method 9—59617
Bondarenko, B.Yu. *see* Pavlinskii, G.V. 9—52822
Bondarenko, M.T. *see* Al'pin, L.M. 9—88499
Bondarenko, N.L. *see* Anoprienko, S.S. 9—96273
Bondarenko, S.I. *see* Dmitrenko, I.M. 9—91188
Bondarenko, T.N. *see* Zhurakovskii, E.A. 9—94954
Bondarenko, T.N. *see* Zhurakovs'kii, E.O. 9—51482
Bondarenko, V., Prokof'ev, P. The ^{153}Eu gamma-rays from inelastic scattering of fast neutrons 9—67700
Bondarenko, V.G., Gal'per, A.M., Grigor'ev, V.A., Kolyubin, A.A., Maklyaev, E.F., Markina, I.S. A coordinate-sensitive time-of-flight scintillation system in a large-area gamma-ray telescope 9—84676
Bondarenko, V.I. Short-period variations of the cosmic rays neutron components 9—96865
Bondarenko, V.N. *see* Tischenko, Z.V. 9—69034
Bondarenko, V.S. *see* Afanas'ev, M.L. 9—69287
Bondarenko, V.S. *see* Sobolev, B.V. 9—69566
Bondarenko, V.V., Dubovskii, B.G., Bagdasarov, R.E., Lititskii, V.A., Efeshin, A.N. Measurement of the subcriticality of power-stressed reactors with an analog reactimeter 9—97834
Bondarenko, Yu.D. Method for relaxation bending tests 9—70245
Bondarenko, Yu.I., Rudenko, V.S. Use of small deuteron accelerator for neutron-activation determination of fluoride 9—100475
Bondarev, A.D. *see* Belyaev, V.A. 9—74001
Bondarev, A.P. *see* Bakov, A.T. 9—76070
Bondarev, B.I. *see* Baldin, A.M. 9—72125
Bondarev, G.S. *see* Sukharev, I.K. 9—71417
Bondarev, K.T. *see* Fedorova, R.A. 9—61757
Bondarev, M.M. *see* Balashov, Yu.S. 9—52285
Bondarev, N.K., Gurzhei, V.I., Zhenchuzhnikov, G.N., Kolykhan, L.I., Solov'ev, V.N. Cooling of a thick-walled vessel by means of a nitrine coolant 9—59158
Bondarev, S.L., Gurinovich, G.P., Dzhagarov, B.M., Salokhiddinov, K.I. Transition-metal fluorescence-quenching mechanisms for organic compounds 9—56837
Bondarev, S.L. *see* Dzhagarov, B.M. 9—92141
Bondarev, V.D., Vladimirov, S.A. Spinor equation admitting an infinite group 9—71645
Bondareva, O.S., Egorov-Tismenko, Yu.K., Simonov, M.A., Belov, N.V. Crystal structure of lithium borate $Li_3[B_5O_8(OH)_2]$ 9—82192
Bondareva, O.S., Egorov-Tismenko, Yu.K., Simonov, M.A., Belov, N.V. Refinement of the crystal structure of skeletal cubic zinc borate $Zn_4O[B_6O_{12}]$ 9—86765
Bondars, H. *see* Belogurov, V. 9—67819
Bondeau, A. *see* Noyel, G. 9—49257
Bondeson, A. *see* Anderson, D. 9—58561
Bondeson, S.R. *see* Soos, Z.G. 9—95565
Bondietti, E.A. Chemical approaches to understanding the environmental behavior of Pu, Np, and Tc 9—93765
Bondine, J.H., Watts, A.B. On lithospheric flexure seaward of the Bonn and Marina trenches 9—57903
Bondorf, J.P., De, J.N., Karvinen, A.O.T., Fai, G., Jakobsson, B. Prompt emission of nucleons in heavy-ion collisions 9—71863
Bondur, J.A. CF_4 etching in a diode system 9—61759
Bondybey, V.E., English, J.H. Electronic spectrum of the diacetylene radical cation in solid rare gases 9—94026
Bondybey, V.E., English, J.H., Miller, T.A. Laser induced fluorescence spectrum of matrix isolated CS_2^+ 9—50068
Bondybey, V.E., English, J.H., Miller, T.A. Laser induced fluorescence matrix study of 1,3-difluorobenzene radical cation 9—98138
Bondybey, V.E., Miller, T.A., English, J.H. Laser induced fluorescence spectra of symmetrically substituted trihalobenzene radical cations 9—89702
Bondybey, V.E. *see* Brus, L.E. 9—52728
Bondybey, V.E. *see* Katayama, D.H. 9—98142
Bondybey, V.E. *see* Miller, T.A. 9—68252, 9—72345
Bondyopadhyay, R. *see* Saha, G. 9—58429
Bonebrake, M. *see* Sax, R.I. 9—100920
Boned, C. *see* Lagourette, B. 9—100452
Bonek, E. *see* Kreiner, W.A. 9—72306
Bonek, E. *see* Magerl, G. 9—64256
Bonekamp, J. *see* Wolfe, M. 9—69008
Bonel, G. *see* LeGeros, R.Z. 9—66264
Bonelli, E., Machado, J.F.C., Shukla, M.M. Lattice vibrations in rubidium in a modified tensor force model 9—86853
Bonelli, E. *see* Yeh, K.C. 9—88524
Bonello, O.J. A new computer aided method for the compete acoustical design of broadcasting and recording studios 9—64402
Bonet, C. *see* Ouaida, M.B. 9—70100
Bonetti, E., Evangelista, E., Gondi, P. Internal friction and dynamic modulus of polycrystalline Al during deformation in the temperature range of the Kê peak 9—91727
Bonetti, S., Rollier, M., Bonneaud, G., Bullock, F.W., Calimani, E., Degrange, B., Erriquez, O., Fogli-Muciaccia, M.T., Francois, T., Guyonnet, J.L., Haidt, D., Jaffre, M., Jones, T.W., Longuemare, C., Marzari-Chiesa, A., Matteuzzi, C., Myklebost, K., Pohl, M., Rognebakke, A., Romero, A., Sconza, A., Vander Velde-Wilquet, C., Vilain, P. Comparison of single π^0 production by ν and $\bar{\nu}$ neutral currents 9—49509
Bonetti, S. *see* Armenise, N. 9—67533, 9—67536, 9—93397, 9—93398
Bonfield, W., Grynpas, M.D., Young, R.J. Crack velocity and the fracture of bone 9—57690
Bonfield, W., Young, R.J., Grynpas, M.D. Slowly propagating fracture in bone 9—79592
Bongers, A. The Ljusternik-Schnirelman theory applied to unlimited variations 9—85009
Bongers, E. *see* Hunik, R. 9—65644
Bonhomme, C. *see* Buenerd, M. 9—71828
Bonhomme, P. *see* Bonnet, N. 9—63327
Bonhommet, N. *see* Jones, M. 9—84100
Boni, A.L. *see* Pinder, J.E., III 9—96668
Boni, B., Kleiber, M. Numerical plastic collapse analysis of plane bending-and-torque supporting grids 9—68594
Boni, R. *see* Bassetti, M. 9—72066
Boniak, L. *see* Borel, M.-M. 9—69098
Bonifacio, R., Gronchi, M., Lugiato, L.A. Self-pulsing in bistable absorption 9—86204
Bonifacio, R., Meystre, P. Critical slowing down in optical bistability 9—55174
Bonifacio, R., Milani, M., Scully, M. Use of a coherent-state formalism in superconductivity and Josephson-junction calculations 9—51723
Bonifazi, C. *see* Bavassano-Cattaneo, M.B. 9—58211
Bonifazi, P., Ferrari, V. Data analysis of a gravitational wave experiment 9—58614
Bonifazi, P., Ferrari, V., Frasca, S. Computer data simulation for the gravitational wave experiment 9—54031
Bonifazi, P., Ferrari, V., Frasca, S., Pallottino, G.V., Pizzella, G. Data analysis algorithms for gravitational-wave experiments 9—67216
Bonifazi, P. *see* Amaldi, E. 9—67217
Boning, K. Low-temperature thermopower and other transport properties of aluminium containing dilute point defects 9—65458
Boning, K., Pfandner, K., Rosner, P., Lengeler, B., Welter, J.-M. The low-field galvanomagnetic transport coefficients of cubic metals: general formulae and experiments on the Hall coefficient in Al(Ge) 9—91029
Boning, K. *see* Nakagawa, M. 9—60355
Bonino, F., Forte, C., Lazzari, M., Scrosati, B. Silver selenate and silver tellurate as positive materials for lithium primary power sources 9—52918
Bonino, F. *see* McKechnie, J.S. 9—99873
Bonino, G., Dardo, M., Piano, A. Measurements of rapid variations of atmospheric electric field 9—66739
Bonissent, A., Gauthier, E., Finney, J.L. Monte Carlo simulation of the crystal-melt interface of a Lennard-Jones substance 9—60622
Bonjer, K.P. *see* Muller, G. 9—57876
Bonjer, K.-P. *see* Fuchs, K. 9—84172
Bonjour, E. *see* Auffredic, J.P. 9—55900
Bonjour, E. *see* Ayasse, J.B. 9—51190
Bonjour, P. A simple accurate expression of the potential in electrostatic lenses. II. Triple cylinder lenses 9—72474
Bonn, W. *see* Steiner, D. 9—58747
Bonnafe, J. *see* Jimenez-Lopez, J. 9—56234
Bonnamy, C., Launay, J.-C., Pouchard, M. Preparation by vapour phase chemical transport of single crystals of AlF_3, FeF_3 and TiF_3 9—69971
Bonnard, P., Laeng, P., Suter, J.M., Rinderer, L. Determination of the thermal resistance of a normal-superconductor interphase boundary in high-purity lead 9—56384
Bonneau, P., Mathe, E.L., Moine, P. On the elimination of defects in a Fe 40% Al alloy by laser irradiation 9—65960
Bonneau, R. *see* Davidson, R.S. 9—59499
Bonneaud, G. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Bonneaud, G. *see* Bonetti, S. 9—49509
Bonnedal, M. *see* Anderson, D. 9—58583
Bonnel, F. *see* Pernot, F. 9—74128
Bonnel, M. *see* Gilmour, D.A. 9—100937
Bonnelle, J.P. *see* D'Huysser, A. 9—69346
Bonner, B. *see* Cverna, F. 9—85315
Bonner, B.E., Glass, G., Hollas, C.L., Newsom, C.R., Riley, P.J. nd backward scattering from 200 to 800 MeV 9—75783
Bonner, B.E., Simmons, J.E., Jain, M., Glass, G., Hollas, C.L., Newsom, C.R., Riley, P.J. n-p charge exchange scattering from 150 to 800 MeV 9—67572
Bonner, B.E. *see* Hollas, C.L. 9—75786
Bonner, D.C. *see* Dincer, S. 9—95147
Bonner, J.C., Blote, H.W.J., Bray, J.W., Jacobs, I.S. Susceptibility calculations for alternating antiferromagnetic chains 9—78394
Bonner, J.C., Blote, H.W.J., Johnson, J.D. Spectral excitations of linear magnetic chains 9—61091
Bonner, J.C. *see* Fields, J.N. 9—78393
Bonner, J.C. *see* Muller, G. 9—73741
Bonner, R.F. *see* Goldstein, S.R. 9—92455
Bonner, W.A. *see* Abrams, E.B. 9—90694
Bonner, W.A. *see* Dillon, J.F., Jr. 9—61347
Bonner, W.A. *see* Hodge, L.A. 9—79474
Bonner, W.A. *see* Mahajan, S. 9—99197
Bonner, W.F. *see* Mikols, W.J. 9—59212
Bonnerot, R., Jamet, P. A third order accurate discontinuous finite element method for the one-dimensional Stefan problem 9—81701
Bonnet, A. *see* Conan, A. 9—91047
Bonnet, G. *see* Lebreton, G. 9—72521
Bonnet, J. *see* Soonckindt, L. 9—78155
Bonnet, J.E., Daou, J.N. Study of the hydrogen solid solution in thulium 9—90643
Bonnet, J.E. *see* Prakash, S. 9—69293
Bonnet, J.P., Nowotny, J., Onillon, M., Sikora, I. Surface electrical properties of tungsten oxides in equilibrium with the gas phase 9—61791
Bonnet, J.-P. *see* Courbin, P. 9—100095
Bonnet, M. *see* Duchemin, J.P. 9—100054
Bonnet, N., Beorchia, A., Bonhomme, P. Transfer functions in electron microscopy with hollow cone illumination 9—63327
Bonnet, P. *see* Choplin, F. 9—91945
Bonnet, P. *see* Diguet, R. 9—78642
Bonnet, R. *see* Fribourg-Blanc, P.N. 9—50683
Bonnetain, L. *see* Touzain, Ph. 9—52635
Bonneville, J., Escaig, B. Cross-slipping process and the stress-orientation dependence in pure copper 9—95022
Bonniaud, M.L. *see* Dulieu, B. 9—59976
Bonnier, B. *see* Ader, J.P. 9—75734
Bonnin, J. Thermodynamic parameters in boiling and cavitation phenomena 9—76959
Bonnor, W.B. Solution of Einstein's equations for a line-mass of perfect fluid 9—58592
Bonnor, W.B. A three-parameter solution of the static Einstein-Maxwell equations 9—58593
Bonoli, C. *see* Barbieri, C. 9—101200
Bonometto, S.A., Lucchin, F. Evolution of density fluctuations during recombination 9—67124
Bonomi, A. *see* Parodi, M. 9—70050
Bonomo, F.S. *see* Goldman, A. 9—100894
Bonora, S. *see* Bertoluzza, A. 9—63994
Bonse, U. *see* Badurek, G. 9—50950

Bonse, U. *see* Kaiser, H. 9—72435

Bonsignori-Facondi, S.R., Tomasi, P. Evidence for six new low surface brightness supernova remnants 9—88717

Bonsor, D.H., Barry, J.F., Newberry, M.W., Smalley, M.V., Granzer, E., Koberger, C., Nedwed, P.H., Scheidel, J. Neutron quasi-elastic scattering of n-nonadecane 9—51013

Bonte, M.De *see* De Bonte, M.

Bony, J.De *see* De Bony, J.

Bonzel, H.P., Franken, A.M., Schwarting, W. Surface self-diffusion on nearly flat surfaces: an extension of the sinusoidal profile decay technique 9—99404

Bonzel, H.P. *see* Broden, G. 9—77919, 9—82463

Bonzel, H.P. *see* Pirug, G. 9—90866

Bonzon, L.L. *see* Lurie, N.A. 9—59277

Boo, W.O.J., Stout, J.W. Heat capacity and entropy of CuF_2 and CrF_2 from 10 to 300K. Anomalies associated with magnetic ordering and evaluation of magnetic contributions to the heat capacity 9—87264

Boo, W.O.J. *see* Hong, Y.S. 9—99152

Boo, W.O.J. *see* Stout, J.W. 9—86746

Boo Kwi Choi *see* Choi Boo Kwi

Boocock, D.G.B., Mackay, D., McPherson, M., Nadeau, S., Thurier, R. Direct hydrogenation of hybrid poplar wood to liquid and gaseous fuels 9—87945

Booda, L.L. *see* Johnson, J.D. 9—66907

Boody, F.P. *see* Miley, G.H. 9—86171

Booer, A.K., Beresford-Smith, G., Mason, I.M. Acoustic imaging in coal seams 9—53585

Book, D.L. *see* Copper, A.L. 9—81894

Book, D.L. *see* Turchi, P.J. 9—60174

Booker, D.V. The divergence from Gaussian of peak shapes in gamma-ray spectra observed with germanium detectors 9—85853

Booker, G.R. The electron microscopy study of defects in semiconductors 9—95021

Booker, G.R., Ourmazd, A., Darby, D.B. Electrical recombination behaviour at dislocations in gallium phosphide and silicon 9—82606

Booker, G.R. *see* Kular, S.S. 9—79127

Booker, G.R. *see* Wilson, T. 9—51112

Booker, H.G. The role of acoustic gravity waves in the generation of spread-F and ionospheric scintillation 9—66868

Bookmyer, B.B., Kaitchuck, R.H. R and I light curves and comparison of B and V light curves of AK Herculis 9—67064

Bookova, N.V., Zhadin, M.N. Genesis of the electroencephalogram 9—57618

Boolchand, P. *see* Blizzard, M. 9—78582

Boolchand, P. *see* Kim, C.S. 9—73867

Boom, R.W., El-Wakil, M., McIntosh, G.E., Khalil, A. Experimental investigation of the helium I two-phase flow pressure drop characteristics in vertical tubes 9—60052

Booman, F. *see* Reiber, J.H.C. 9—70629

Boomer, D.W. *see* Moselhy, M.M. 9—92028

Boomgaard, J.van den *see* van den Boomgaard, J.

Boon, J.P., Allain, C., Lallemand, P. Propagating thermal modes in a fluid under thermal constraint 9—76943

Boonchukosol, K., Gasc, C. On the influence of stress state upon fracture of steels 9—79093

Boone, D.M. *see* Brabb, E.E. 9—88273

Boord, W.T. *see* Moravec, T.J. 9—77944

Boore, D.M. *see* Swanger, H.J. 9—84185

Boos, E.G., Ermilova, D.I., Filipova, V., Samojlov, V.V., Zhanbo-sinova, M., Temiraliev, T., Batunya, B.V., Boguslavsky, I.V., Gramenitsky, I.M., Lednicky, R., Takibaev, S.M., Tikhonova, L.A., Valkarova, A., Vrba, V., Ervanne, I., Hannula, E., Ljung, S., Orava, R., Villanen, H., Villanen, P., Dementiev, P.K., Leikin, E.M., Grechko, V.E., Ponomarev, L.A., Pozhidaeva, N.A., Rud, V.I., Suk, M., Zacek, J., Cvach, J., Herynek, I., Reimer, P., Simak, V. Inclusive production of Δ^{++} (1236) in $\bar{p}p$ interactions at 22.4 GeV/c 9—49548

Boos, E.G., Ermilova, D.I., Philippova, V.V., Samoilov, V.V., Temiraliev, T., Batyunya, B.V., Boguslavsky, I.V., Gramenitsky, I.M., Lednicky, R., Levonian, S.V., Tikhonova, L.A., Valkarova, A., Vrba, V., Zlatanov, Z., Dumbrajs, S., Ervanne, J., Hannula, E., Villanen, H., Villanen, P., Dementiev, R.K., Grechko, V.E., Korzhavina, I.A., Leikin, E.M., Pavlova, A.G., Rud, V.I., Suk, M., Herynek, I., Reimer, P., Ridky, J., Sedlak, J., Simak, V., Khudzadze, A.M., Kuratashvili, G.O., Topuria, T.P., Tsintsadze, V.D. Experimental verification of the dual unitarization scheme 9—89203

Boos, E.G., Ermilova, D.I., Samoilov, V.V., Temiraliev, T., Batyunya, B.V., Boguslavsky, I.V., Gramenitsky, I.M., Lednicky, R., Tikhonova, L.A., Topuriya, T.P., Valkarova, A., Vrba, V., Zlatanov, Z., Ljung, S., Orava, R., Villanen, H., Dementiev, R.K., Leikin, E.M., Pavlova, A.G., Rud, V.I., Zacek, J., Cvach, J., Herynek, I., Reimer, P., Simak, V. Azimuthal correlations in $\bar{p}p$ interactions at 22.4 GeV/c 9—67611

Boot, S.J. Calibration of reference thermal and epithermal neutron flux densities from the GLEEP reactor at AERE Harwell 9—93856

Boot, S.J., Gibson, J.A.B. A counter for measuring neutron dose equivalent from thermal energies to 10 keV 9—63875

Booth, C. *see* Pratap, M. 9—63512

Booth, D.C. *see* Janai, M. 9—52035

Booth, D.L. LMFBR containment performance studies with a simple computer code 9—93788

Booth, E.C. *see* Milder, F.L. 9—59049

Booth, G.S. *see* Gooch, T.G. 9—79170

Booth, I. *see* Latham, A. 9—89168

Booth, J., Kobayashi, T., Inaba, H. A widely-tunable narrow-linewidth Nd-glass laser 9—76707

Booth, J.R., Childers, D.G. Automated analysis of ultra high-speed laryngeal films 9—57746

Booth, L.A. *see* Devaney, J.J. 9—85774

Booth, N.E. *see* Loomis, W.A. 9—71757

Booth, P.S.L. *see* Albrow, M.G. 9—75805

Booth, P.S.L. *see* Armstrong, T.A. 9—85344

Booth, P.S.L. *see* Bussey, P.J. 9—75778, 9—80829

Booth, R.S., Spencer, R.E., Stannard, D., Baath, L.B. High-resolution observations of quasars from the Parkes±4° sample 9—75295

Booth, R.S. *see* Few, R.W. 9—71099

Booth, T.E., Cashwell, E.D. Prediction of error in Monte Carlo transport calculations 9—59109

Booth, T.E., Cashwell, E.D. Analysis of error in Monte Carlo transport calculations 9—80548

Boothie, T.E., Ache, H.J. Physical and chemical interactions of energetic tritium with boron carbide 9—97902

Boots, H., Deutch, J.M. Stochastic Liouville equation formalism for translational and rotational diffusion 9—64971

Bootsma, G.A. *see* Habraken, F.H.P.M. 9—65317

Bootsma, G.A. *see* Schouten, F.C. 9—99418

Booyens, H., Vermaak, J.S. On the stress-induced electrical properties of point defects in the sphalerite structure. I. The piezoelectric effect 9—56725

Booyens, H., Vermaak, J.S. On the stress-induced electrical properties of point defects in the sphalerite structure. II. The piezoresistance effect 9—56726

Booyens, H., Vermaak, J.S. Piezoelectric coupling and dislocations in III-V compounds 9—91377

Booyens, H. *see* Basson, J.H. 9—90820, 9—95009

Bopp, P. *see* Wolfsberg, M. 9—59590

Boquillon, J.P. *see* Chaux, R. 9—93210

Boquist, C.W. *see* Mathers, J.P. 9—61966

Bor, Z. A novel pumping arrangement for tunable single picosecond pulse generation with a N_2 laser pumped distributed feedback dye laser 9—55147

Bor, Zs. Intrapulse thermally induced wavelength shift in a distributed feedback dye laser 9—59692

Bor, Zs. 10 Å continuous pressure tuning of a single-frequency distributed feedback dye laser 9—76705

Bora, J.S., Chellam, Y. Dry cells—performance and life characteristics 9—100508

Borak, G. *see* Stensland, L. 9—64354

Borak, T.B., Stinchcomb, T.G. Quality factor calculations for neutron spectra below 4 MeV 9—79654

Borbely, I. Empirical continuation of the differential cross section 9—67722

Borblik, V.L. Effect of generation-recombination processes on the strong electromagnetic wave propagation in a bipolar semiconductor 9—78115

Borcea, C. *see* Abou-Leila, M.A.A. 9—85576

Borch, C.C.Von Der *see* Von Der Borch, C.C.

Borchard, U. *see* Hafner, D. 9—53167, 9—83817

Borcherdt, R.D. *see* Brabb, E.E. 9—88273

Borchers, R. *see* Fabian, P. 9—84384

Borchers, R.R. *see* Grimes, S.M. 9—67750

Borchert, G.L. *see* Azuma, R.E. 9—93550

Borchi, E., De Gennaro, S. Magnetoresistivity of $(La,Gd)Al_2$ dilute alloys 9—73495

Borchi, E., De Gennaro, S., Pelosi, G., Rettori, A. On some low-temperature properties of $(La,Ce)B_6$ alloys 9—61043

Borchi, E., De Gennaro, S., Pelosi, G., Rettori, A., Tasselli, P.L. Electronic contribution to the thermal conductivity of noble metals in the low-temperature region (T≤15) 9—95384

Borckmans, P. *see* Dewel, G. 9—86870

Borcsik, M.P. *see* Means, J.L. 9—66422

Bord, D.J. Spectroscopic observations of WRA 977. Line identifications and interstellar features 9—101148

Bordachev, E.G. *see* Alekseev, V.N. 9—64235

Borde, C.J., Camy, G., Decomps, B. Measurement of the recoil shift of saturation resonances of $^{127}I_2$ at 5145 Å: A test of accuracy for high-resolution saturation spectroscopy 9—93985

Borde, Ch.J. *see* Druet, S.A.J. 9—94002

Bordeaux, D. *see* Chion, B. 9—86778

Bordelon, D.J. Comments on 'A rapid approximation to optimal array processing for the case of strong localized interferences' [J. Acoust. Soc. Am. 65, 456-462 (1979)] 9—90084

Borden, B.v.d. *see* v.d. Borden, B.

Borden, W.Thatcher *see* Thatcher Borden, W.

Borderie, B., Barrandon, J.N., Delaunay, B., Basutcu, M. Use of Coulomb excitation by heavy ions (^{35}Cl, 55 MeV) for analytical purposes: possibilities and quantitative analysis 9—79352

Borders, J.A. *see* Nelson, G.C. 9—85834

Bordina, N.M., Golovner, T.M., Grigor'eva, G.M., Zvyagina, K.N., Kreinin, L.B., Milovanova, N.A. Investigation of the photoelectric characteristics of high-resistivity silicon photoconvertors 9—96441

Bordina, N.M., Vinogradova, E.B., Golovner, T.M., Koval'skii, V.Ya., Letin, V.A. Angular sensitivity characteristics of semiconductor photoconverters 9—83594

Bordoli, R.S., Vickerman, J.C., Wolstenholme, J. Surface coverage measurements by SIMS for CO adsorption on a number of metals and for CO and H_2S co-adsorption on Ni(110), (100) and (111) 9—90876

Bordoloi, B.K., Pearce, E.M. Oligomeric alkenyl polysulfide: synthesis and characterization by NMR analysis 9—79248

Bordoloi, K.C. TE modes of graded-index slab waveguide by exact solution method 9—81568

Bordoni, F. *see* Amaldi, E. 9—67217

Bordoni, R., Carelli, P., Modena, I., Romani, G.L. Narrow-band ultra-low current measurements with a RF SQUID 9—63274

Borduas, H. *see* Quittner, E. 9—96469

Bordzilovskii, S.A. *see* Mogilevskii, M.A. 9—100209

Boreham, B.W., Luther-Davies, B. High-energy electron acceleration by ponderomotive forces in tenuous plasmas 9—77409

Borejko, P. Reflection and refraction of an acceleration wave at boundary between two non-linear elastic materials 9—98650

Borel, M.-M., Boniak, L., Busnot, F., Leclaire, A. Structural study of $Cu(C_6H_5COO)_2 H_2O(\gamma C_6H_7N)_2$ 9—69098

Boreli, F., Vukcevic, L., Milankovic, Lj., Vujosevic, I., Lukacevic, I. Influence of a conducting body and space charge in the gap on breakdown probability 9—50919

Borenstein, S. *see* McCal, D. 9—89154

Borenstein, S. *see* Reece, C. 9—89196

Borensztein, Y. *see* De Crescenzi, M. 9—78780

Borensztein, Y. *see* Lopez-Rios, T. 9—83046

Borer, J., Guignard, G., Hofmann, A., Peschardt, E., Sacherer, F., Zotter, B. Information from beam response to longitudinal and transverse excitation 9—72151

Borer, J.S. *see* Bacharach, S.L. 9—100715

Boreskov, G.K. *see* Zhdan, P.A. 9—91994

Borg, E., Nilsson, R., Liden, G. Fatigue and recovery of the human acoustic stapedius reflex in industrial noise 9—53159

Borg, K.Van der *see* Van der Borg, K.

Borg, K.Van Der *see* Van Der Borg, K.

Borg, R.C. *see* Hanan, N.A. 9—49655

Borg, R.C. *see* Maudlin, P.J. 9—80979

Borgen, O.S., Sandbu, O. Microprocessor-assisted high-precision viscometry 9—50816

Borgenicht, F., Bronzino, J.D., Ahlgren, D. A computerized unit data acquisition and reduction system 9—79713

Borger, D.E. *see* Standish, N. 9—61600

Borgers, T.R. *see* Akbari, H. 9—86397

Borghese, C., Cosmi, R., de Gasperis, P., Tappa, R. Microwave relaxation properties of Be^{2+}—doped yttrium iron garnet LPE films 9—65741

Borghini, M., Hartmann, O., Karlsson, E., Niinikoski, T.O., Norlin, L.O., Pernestal, K. Temperature and magnetic field dependence of muonic Knight shifts in semimetals 9—91331

Borghini, M. *see* Hartmann, O. 9—56659

Borghini, M.G. *see* Prescott, C.Y. 9—75776

Borght, R.Van der *see* Van der Borght, R.

Borgia, B. *see* Amaldi, E. 9—71771

Borgia, B. *see* Jonker, M. 9—93399

Borgianni, C., Granati, P. Monte Carlo calculations of ionic structure in silicate and aluminosilicate melts 9—60256

Borginon, H. Classification systems for photographic gelatins 9—100448

Borgioli, M., Colotto, A., Tonali, P., Lovaste, M.G. Papillar oedema associated with divergence paralysis 9—79520

Borglin, S. Solar engineering as a subject for scientific research and university education 9—57382

Borgman, E.R. *see* Lippincott, S.L. 9—71015

Borgmeyer, M.E. *see* Zakin, J.L. 9—77192

Borgnino, J. *see* Martin, F. 9—80513

Borgo, A.Dal *see* Dal Borgo, A.

Boriakoff, V. *see* Weisberg, J.M. 9—92792

Borie, E. On the hyperfine structure of neutral muonic helium 9—68334

Borile, F. *see* Cigada, A. 9—66200

Borimskaya, S.T., Dubovitskaya, N.V., Larikov, L.N. Macroscopic heterogeneity of plastic deformation of molybdenum single crystals in rolling 9—100210

Borimskaya, S.T. *see* Popov, V.P. 9—61746

Boring, M., Wood, J.H. Relativistic calculation of the electronic structure of UF_6 9—85911

Boring, M., Wood, J.H. A note on SCF calculations of valence levels in heavy molecules 9—85912
Boris, J.P. *see* Fritts, M.J. 9—64678
Boris, Ya.V., Krishtal', B.V. A digital quartz thermometer 9—49229
Borisenko, A.G. *see* Aliev, S.A. 9—68933
Borisenko, A.I., Kazanskaya, A.P., Lazareva, T.P., Morozova, P.V., Takibaev, Zh.S. Investigation of energetic hydrogen isotopes emitted from fission of emulsion nuclei induced by pions with energy of 60 GeV 9—67801
Borisenko, E.G. *see* Samsonov, G.V. 9—73335
Borisenko, V.I., Chesalin, L.S. Algorithms for the topical diciphering of multispectral aerospace video information 9—88481
Borisenko, V.V. *see* Murashko, R.E. 9—100098
Borisenkova, E.K. *see* Vinogradov, G.V. 9—50690
Borisevich, N.A. Vapor relaxation processes for polyatomic compounds 9—54879
Borisevich, N.A., Blinov, S.I., Dorokhin, A.V., Zalesskaya, G.A., Kotov, A.A. Triplet-singlet conversion of polyatomic molecules 9—86002
Borisevich, N.A., Gorelenko, A.Ya., Kalosha, I.I., Povedailo, V.A., Tokachev, V.A. New active media for complex organic vapor lasers 9—94213
Borisevich, N.A., Grusinskii, V.V., Suchkov, V.A. The amplification of light in range of fluorescence spectra of polyatomic molecules excited by electrical discharge 9—54908
Borisevich, N.A., Gruzinskii, V.V., Kaputerko, M.N., Rozhkov, V.V. Luminescence of vapors of organic compounds when excited by an electron beam 9—94031
Borishanskiy, V.M., Andreyevskiy, A.A., Bykov, G.S., Zaletnev, A.F., Fokin, B.S., Volukhova, T.G. Void fraction and pressure drop in two-phase upflow at atmospheric pressure 9—77222
Borishanskiy, V.M., Volkov, D.I., Ivashchenko, N.I., Kretunov, O.P. Application of the method of thermodynamic similitude for correlation of test data on film-type condensation 9—90250
Borishanskiy, V.M., Volkov, D.I., Ivashchenko, N.I., Vorontsova, L.A., Illarionov, Y.T., Kretunov, O.P., Borkov, A.P., Makarova, G.A., Alekseyev, I.A. Heat transfer from steam condensing inside vertical pipes and coils 9—90244
Borishanskiy, V.M. *see* Andreyevskiy, A.A. 9—90242
Borishanskiy, V.M. *see* Aref'yev, K.M. 9—77330
Boriskina, N.I. *see* Shumilov, M.A. 9—57081
Borisov, A.A., Galochkin, V.T., Mulenko, S.A., Oraevskii, A.N., Starodubtsev, E.F., Suchkov, A.F. Investigation of the CH_3CHO decomposition reaction by intracavity laser spectroscopy 9—61858
Borisov, A.A., Gel'fand, B.E., Kudinov, V.M., Palamarchuk, B.I., Stepanov, V.V., Timofeev, E.I., Khomik, S.V. Shock waves in water foams 9—64737
Borisov, A.A. *see* Bozhko, N.I. 9—97936, 9—97937
Borisov, A.B. The unitary representations of the Diff R^N group 9—93303
Borisov, A.M. *see* Balashova, L.L. 9—69172
Borisov, A.Yu. *see* Akhamnov, S.A. 9—92182
Borisov, B.F. *see* Bogdanov, V.N. 9—94865
Borisov, B.F. *see* Fofanov, O.N. 9—83427
Borisov, E.A. *see* Bessonov, V.A. 9—61889
Borisov, E.V. *see* Babad-Zakhryapin, A.A. 9—96206
Borisov, G.B. *see* Druzhinin, L.K. 9—76093
Borisov, Ju.V. *see* Altarev, I.S. 9—67551
Borisov, N.D. Effect of large-scale inhomogeneities on the waveguide propagation of short radio waves 9—62657
Borisov, N.V., Ioffe, M.V., Eides, M.I. Dual chords in chromodynamics 9—58936
Borisov, N.V., Ioffe, M.V., Eides, M.I. String interactions in quantum chromodynamics 9—63432
Borisov, V.L. *see* Bakayev, A.V. 9—69931
Borisov, V.M. *see* Baranov, V.Yu. 9—64214
Borisov, V.T., Sokolov, L.A. Optimum conditions for cooling continuous ingot given variation in rate of drawing of ingot 9—70056
Borisov, V.V. Electromagnetic field of sources on a sphere concentric with an ideally conductive globe. Dipole approximation 9—64147
Borisov, Yu.S., Borisova, A.L., Kocherzhinskii, Yu.A., Shishkin, E.A. Reactions in the Ti-Si_3N_4 system under ordinary and plasma heating conditions 9—95988
Borisov, Yu.S. *see* Gershenzon, S.M. 9—61774
Borisov, Yu.V. *see* Altarev, I.S. 9—75775
Borisov, Yu.Ya. High-frequency high-intensity gas-jet generators 9—64376
Borisova, A.I. *see* Labuntsov, D.A. 9—90310
Borisova, A.L., Martsenyuk, I.S. Use of barrier layers as a means of increasing the high-temperature stability of tungsten in contact with boron nitride 9—70194
Borisova, A.L. *see* Borisov, Yu.S. 9—95988
Borisova, L., Dimitrova, S. Kinetic coefficients in solid solutions of the $(Ag_{x/2}Pb_{1-x}Sb_{x/2})Te$ type 9—82614
Borisova, L.D. Thermoelectric properties of impurity doped PbTe 9—82616
Borisova, S.F. *see* Andreeva, M.A. 9—73871
Borisova, V.I. *see* Efimova, T.V. 9—87631
Borisova, Z.U., Rykova, T.S. Some features of glass-forming in the silver-arsenic-selenium system 9—65001
Borisova, Z.U. *see* Pazin, A.V. 9—50996, 9—50997
Borisyuk, G.N. *see* Rudenko, T.I. 9—92177
Borisyuk, V.S. *see* Fesenko, A.I. 9—71453
Borjesson, P.O. *see* Pahlm, O. 9—70678
Borkar, S.R. *see* Abdelazeez, M.K. 9—89834
Borkov, A.P. *see* Borishanskiy, V.M. 9—90244
Borkoviskii, Yu.Z. *see* Umerenkova, N.A. 9—52536
Borkovskaya, Yu.B. *see* Vikhnin, V.S. 9—99838
Borkowicz, J. *see* Korec, J. 9—96165
Borkowicz, J. *see* Nossarzewska-Orlowska, E. 9—95932
Borkowski, F. *see* Simon, G.G. 9—93418
Borkowski, J. Horizontal turbulent heat flux in atmospheric surface layer 9—66740
Borland, D.W. Methods for the local control of microstructure 9—91655
Borman, V.D., Krylov, S.Yu., Nikolaev, B.I. Theory of thermomagnetic phenomena in the intermediate pressure range 9—77329
Borman, V.D., Krylov, S.Yu., Nikolaev, B.I. Thermomagnetic forces in a rarefied gas 9—94765
Bormann, R. *see* Schultz, L. 9—56477
Bormiskaya, S.T., Dubovitskaya, N.V., Kutikhina, Zh.Ya., Larikov, L.N. Rolling textures and structures of vanadium single crystals 9—91663
Born, E. On the analysis of lunar occultations of point-like X-ray sources 9—88567
Born, E., Debrunner, H. Optimization of lunar occultations for determining the positions of point-like X-ray sources 9—92652
Born, G.H. *see* Cutting, E. 9—80199
Born, G.V.R., Melling, A., Whitelaw, J.H. Laser Doppler microscope for blood velocity measurements 9—62329
Bornarel, J. *see* Bastie, P.M. 9—68987
Bornatici, M., Engelmann, F. Absorption around the electron cyclotron frequency in a thermal plasma of finite density 9—64874
Bornatici, M., Engelmann, F. Comments on: The spectral emissivity at the electron cyclotron frequency 9—72996
Bornatici, M., Engelmann, F. Electromagnetic emission around the plasma frequency induced by relativistic runaway electrons 9—82065
Bornatici, M., Engelmann, F., Lister, G.G. Finite Larmor radius effects in the absorption of electromagnetic waves around the electron cyclotron frequency 9—94800
Bornatici, M., Engelmann, F., Liu, C.S., Mok, Y., Papadopoulos, K. Electrons of high perpendicular energy in the low-density regime of Tokamaks 9—98905
Bornatici, M. *see* Maroli, C. 9—98921
Borne de Grandpre, C.de *see* de Borne de Grandpre, C.
Borneas, M., David, M., Miron, I., Cristea, M., Damian, I. A simple model of a vector-tensor field of gravitation 9—71325
Bornecque, D. *see* Jullien, P. 9—88138
Borner, G., Meszaros, P. Classical calculation of Thomson cross-sections in the presence of a strong magnetic field 9—55453
Borner, G., Meszaros, P. Approximate formulae for electron scattering in a strong magnetic field 9—92662
Borner, H., Schmidt, D.W., Wagner, W.J. A fast-response superconducting thin-film probe for detection of second-sound shock waves in superfluid helium 9—63237
Borner, H., Schmidt, D.W., Wagner, W.J. A fast response superconducting thin-film probe for detection of second-sound shock waves in superfluid helium 9—73355
Borner, H.G., Davidson, W.F., Almeida, J., Blachot, J., Pinston, J.A., Van Assche, P.H.M. High precision gamma-ray energy measurements of fission products 9—93865
Borner, H.G. *see* Cizewski, J.A. 9—75853
Borner, H.G. *see* Pinston, J.A. 9—63590
Borner, H.G. *see* Smith, G.J. 9—93515
Borngen, F., Bortle, J. Periodic Comet Schwassmann-Wachmann 1 9—53774
Borngen, F., Kalloglyan, A.T. Compact galaxies in the neighborhood of the cluster A 193 9—88736
Bornstein, M.H., Monroe, M.D. Color-naming evidence for tritan vision in the fovea 9—83780
Borodachev, N.M., Savchenko, N.I. Prognosis of fatigue crack propagation in a structural element 9—66165
Borodenko, V.M. *see* Malevskii, Yu.B. 9—83200
Borodin, D.I. *see* Tustanovskii, V.T. 9—87898
Borodin, I.N. Self-lubricating iron coatings containing oxides, carbides, and borides 9—96217
Borodin, I.N. *see* Kuramshin, R.S. 9—96197
Borodin, M.A., Fel'genkhauer, U. The axisymmetric single phase Stefan problem 9—59905
Borodin, V.A., Davidova, L.B., Erofeev, V.N., Shdanov, A.V., Startsev, S.A., Tatarchenko, V.A. The effect of the solidification front shape on the temperature distribution in the crystal 9—61513
Borodin, V.A. *see* Bar'yakhtar, V.G. 9—82785
Borodin, V.I. *see* Apollonov, V.V. 9—72603
Borodin, V.M. Destruction of negative ions in slow collisions with atoms. II. Linear approximation in the model of generalized zero-range potential 9—94076
Borodin, Yu.P. *see* Budenkov, B.A. 9—52582
Borodina, N.P. *see* Komarov, V.E. 9—73330
Borodkin, A.S. Bounded motion of an electron with low initial velocity in a logarithmic electric field 9—68358
Borodkina, M.M., Glezer, A.M., Zolotarev, S.N., Molotilov, B.V., Orekhova, T.S. Structure and rolling texture of Fe+6.5% Si 9—79006
Borodko, Yu.G. *see* Kachapina, L.M. 9—56787
Borodovskii, Ya.A., Gavrilov, G.M., Goncharov, L.A., Kervalishvili, P.D., Litovchenko, P.G. Dislocations and recombination of carriers in germanium 9—51598
Borodulin, A.I. *see* Ankilov, A.N. 9—67455, 9—93270
Borodulin, V.I., Bykovskii, Yu.A., Goncharov, I.G., Grachev, A.P., Dedushenko, K.B., Zverkov, M.V., Konyaev, V.P., Pashko, S.A. Distributed-feedback semiconductor lasers operating in higher Bragg interaction orders 9—89933
Borodulin, V.I. *see* Belyaletdinov, I.F. 9—72706
Borodulin, V.I. *see* Bessonov, Yu.L. 9—98408
Borodulyan, I.A. *see* Ankilov, A.N. 9—64806
Borodyuk, N.R., Tarusov, B.N. Effect of the longitudinal scatter of light 9—79596
Borodzinski, A. *see* Sokolowski, A. 9—90785
Borodziuk-Kulpa, A. *see* Stolecki, B. 9—65561
Borodziuk-Kupla, A. *see* Stolecki, B. 9—65560
Borokhovich, A.I., Dobrovinskii, I.R., Zaichenko, V.V., Ivanov, V.A. Flaw detector for the inspection of steel strip 9—52584
Boronenkov, V.N. *see* Gershenzon, S.M. 9—61774
Boronin, A.I. *see* Zhdan, P.A. 9—91994
Boros, L. *see* Siegel, V. 9—100028
Borovetz, H.S., Mateer, D.D., Tin-Kan Hung, Hardesty, R.L., Weissman, M.H. Toward the development of a combined membrane oxygenator/hemodialyzer 9—84024
Borovik, A.A. *see* Aleksakhin, I.S. 9—86073
Borovik-Romanov, A.S., Zhotikov, V.G., Kreines, N.M., Pankov, A.A. Light scattering by thermal magnons and magnons excited by antiferromagnetic resonance (AFMR) in weakly ferromagnetic $CoCO_3$ 9—82965
Borovikov, V.S. *see* Afanas'ev, V.N. 9—69471
Borovikov, Y.S., Chernogriadskaia, N.A. Studies on conformational changes in F-actin of glycerinated muscle fibers during relaxation by means of polarized ultraviolet fluorescence microscopy 9—100567
Borovikova, M.S. *see* Kislyi, P.S. 9—74094
Borovitskii, S.I. *see* Ainitdinov, Kh.A. 9—60987
Borovkov, I.S. Development of a submerged turbulent isothermal jet and the minimum entropy-production principle 9—77199
Borovkov, V.V. *see* Artamonov, I.I. 9—89916
Borovkova, L.B. *see* Glazachev, V.S. 9—87601
Borovlev, S.P. *see* Belyaev, F.N. 9—80870
Borovoi, A.A., Ketov, S.N., Kopeikin, V.I., Kheruvimov, A.N., Shkolnki, K.D. On antineutrino-nucleon interaction cross section 9—80822
Borovoi, A.A., Mikaelyan, L.A. Possibilities of the practical use of neutrinos 9—67897
Borovskii, O.B. *see* Raskostov, V.N. 9—87787
Borovs'kii, V.P., Shelimanov, V.A., Kutishcheva, V.A. Laminar boundary layer on a moving surface under conditions of combined action of free and forced convection 9—50695
Borowiak, T. *see* Przybylski, M. 9—87087
Borowiec, A., Jadczyk, A. Covariant representation of the causal logic 9—97235
Borowiecki, M. *see* Antonowicz, D. 9—68950
Borowitz, J. *see* Kosfeld, R. 9—77732
Borowko, M., Jaroniec, M., Oscik, J., Kusak, R. Adsorption of multicomponent liquid mixtures on heterogeneous surfaces. Analysis of experimental data, measured at constant ratios of mole fractions of components in the bulk phase 9—56073
Borozdin, V.N. *see* Favorskii, K.G. 9—67293
Borra, E.F. *see* Landstreet, J.D. 9—88676
Borrass, K. OHM's law in turbulent plasmas and beta limitations by anomalous diffusion 9—77344
Borreani, G. *see* Guy, J.G. 9—54357, 9—80844
Borrego, J.M. *see* Ghandhi, S.K. 9—83592, 9—91592
Borrego, J.M. *see* Lender, R.J. 9—61973
Borrego, J.M. *see* Pande, K. 9—69988
Borrell, P., Borrell, P.M., Pedley, M.D., Grant, K.R. High temperature studies of singlet excited oxygen, $O_2(^1\Sigma_g^+)$ and $O_2(^1\Delta_g)$, with a combined discharge flow/shock tube method 9—89618
Borrell, P.M. *see* Borrell, P. 9—89618

Borrelli, N.F., Seward, T.P., III Photoinduced optical anisotropy and color adaptation in silver-containing glasses 9—61331

Borrelly, R. Use of measurements of thermoelectric power in the study of alloys 9—69497

Borromei, R., Oleari, L., Day, P. Electronic spectrum of chromate(V) ion in $Sr_5(PO_4)_3Cl$ host lattice 9—95812

Borsa, F. *see* Boucher, J.P. 9—73733

Borsa, F. *see* Boucher, J.-P. 9—61255

Borsay, F., Yrager, E. An acousto-electrochemical effect 9—96331

Borsenberger, J., Praderie, F., Michaud, G. Radiation forces and the abundance of boron in normal and peculiar stars of type A and B 9—88664

Borsenberger, P.M., Ateya, A.I. Predictions of the Onsager theory based on an exponential distribution of electron-hole separation distances 9—56242

Borsenberger, P.M., Contois, L.E., Ateya, A.I. Hole photogeneration in bisphenol-A-polycarbonate doped with N-isopropylcarbazole 9—56243

Borsese, A. *see* Borzone, G. 9—91988

Borshch, A.A., Brodin, M.S., Volkov, V.I., Krupa, N.N. Nonlinear lens with variable focal length 9—81511

Borshchevskaya, D.G. *see* Kutsova, V.Z. 9—56968

Borsht, V.V., Voitsekhovskii, A.V., Lisitsa, M.P., Mozol', P.E., Tkachuk, P.N., Fekeshgazi, I.B. Photoconductivity and the effect of sensitization of zinc sulphide crystals at high levels of excitation 9—95446

Borst, J.van der *see* van der Borst, J.

Borstnik, B., Azman, A. The pair correlation function of the liquid-vapour interface 9—55633

Borstnik, B. *see* Pumpernik, D. 9—90735

Borsuk, E.G. *see* Pimshtein, P.G. 9—86342

Borsuk, L. Fiber optics—fibers/cables and interconnections 9—94363

Bortkevich, A.V. *see* Petrov, V.I. 9—99934

Bortle, J. V1668 Cygni 9—53824

Bortle, J. Novalike object in Vulpecula 9—58348

Bortle, J., Shao, C.-Y. Comet Bradfield (1979c) 9—101120

Bortle, J. *see* Borngen, F. 9—53774

Bortle, J. *see* Hill, P.W. 9—75225

Bortle, J. *see* Marsden, B.G. 9—92721

Bortle, J.E. *see* Giclas, H.L. 9—101118

Bortnikov, N.S. *see* Petrova, I.V. 9—77581

Bortolani, V., Nizzoli, F., Santoro, G., Marvin, A., Sandercock, J.R. Brillouin scattering from surface phonons in Al-coated semiconductors 9—78694

Bortolet, D. A card-index for the Adour-Garonne river-basin 9—66720

Bortolotti, G., Gottardi, S. An analogic-digital filter for simultaneous monitoring of radar meteor events 9—80032

Borton, D. *see* Sater, B.L. 9—62010

Borukhovich, A.S., Marunya, M.S. Influence of light doping with gadolinium on the critical specific heat of EuO 9—95602

Borukhovich, A.S., Marunya, M.S., Bamburov, V.G., Ignat'eva, N.I., Solin, N.I. Specific heat of a quasidegenerate magnetic semiconductor 9—69688

Boruta, I.I. *see* Bogdanovich, P.O. 9—63911

Boruta, I.I. *see* Eriksonas, K.M. 9—63955

Boruta, J., Makariunas, K. Variations of exchange and overlap corrections to ^{7}Be electron capture radioactive decay probabilities in excited atoms and ions 9—59556

Borutta, R. *see* Celler, G.K. 9—73183

Boryn, H. *see* Szpor, S. 9—50900

Borysiewicz, M. Solution to the critical problem for the neutron transport equation 9—58657

Borysiewicz, M., Kruszynska, N. Smoothness of the solution of the 2D neutron transport equation in the polygon region 9—89344

Borysiewicz, M., Stankiewicz, R. Weak solution and approximate methods for the transport equation 9—76049

Borzdov, G.N. *see* Barkovskii, L.M. 9—72465

Borzone, G., Borsese, A., Saccone, A., Ferro, R. Heats of formation of lanthanum-antimony alloys 9—91988

Bos, A.J.J. *see* Vis, R.D. 9—79457

Bos, K., Bressani, T., Chiavassa, E., Costa, S., Davies, J.D., Dellacasa, G., van Doesburg, W., Gallio, M., Kernel, G., Michaelis, E.G., Musso, A., Panighini, M., Stanovnik, A., Tanner, N.W. Measurement of the backward elastic scattering of pions on deuterons in the region of the (3,3) resonance 9—85531

Bos, M. Computerized Kalousek polarography 9—52792

Bos, P.J. *see* Collings, P.J. 9—64987

Bosanac, S. Semiclassical perturbation expansion of the multichannel scattering matrix 9—49410

Bosatina, T.A. *see* Murashko, R.E. 9—100098

Bosc, G. *see* Allemand, L. 9—81126

Boscaino, R., Gelardi, F.M. Time dependence of the second harmonic emission spectrum of a two-level spin system 9—65719

Boscaino, R., Tripo, A. Two-photon spectroscopy of a resonant three-level spin system. II. Resonance shift 9—82864

Boscaleri, A. *see* Furiozzi, L. 9—96637

Bosch, M.A. Precision axial translator with high stability 9—88930

Bosch, M.A. *see* Fork, R.L. 9—87439

Bosch, M.A. *see* Holden, A.J. 9—51491

Bosch, M.A. *see* Labhart, M. 9—95630

Bosch, M.A. *see* Shah, J. 9—61432

Boschi, E., Mulargia, F. Nucleation and initial propagation of shear cracks 9—81804

Boschi, E., Mulargia, F. Gruneisen's gamma function for liquid iron at the Earth's outer core conditions 9—84186

Boschi, E., Mulargia, F., Bonafede, M. The dependence of the melting temperatures of iron upon the choice of the interatomic potential [Earth core] 9—74863

Boschi, E. *see* Sabadini, R. 9—70758

Boschitz, E. *see* Bolger, J. 9—85532

Boschitz, E. *see* Ellis, R.J. 9—85365

Boschitz, E.T. *see* Bolger, J. 9—85515

Boschizt, E. *see* Arvieux, J. 9—85512

Boscolo, I., Brautti, G., Clauser, T., Stagno, V. Free-electron lasers and masers on curved paths 9—55102

Bose, A., Frohberg, G., Wever, H. Self-diffusion of ^{60}Co and ^{72}Ga in the ordered electronic compound CoGa 9—65238

Bose, D.N. *see* Govindacharyulu, P.A. 9—77805, 9—95449

Bose, H.N. *see* Acharya, H.N. 9—78130

Bose, H.N. *see* Mukherjee, M.L. 9—78710

Bose, H.N. *see* Subrahmanyam, A. 9—78603

Bose, M., Bhattacharya, M., Ganguli, S. ^{31}P NMR studies of transferred hyperfine effects in rare-earth orthophosphates 9—61241

Bose, M., Ganguh, S., Bhattacharya, M. ^{51}V NMR studies of transferred hyperfine effects in the rare-earth vanadates 9—82893

Bose, N.K., Prabhu, K.A. Two-dimensional discrete Hilbert transform and computational complexity aspects in its implementation 9—84937

Bose, R. *see* Nitsche, M. 9—59641

Bose, S., Ortoleva, P. Reacting hard sphere dynamics: Liouville equation for condensed media 9—70298

Bose, S.K. Quark mass ratios from chiral symmetry at infinite momentum 9—80768

Bose, S.K. The general anharmonic x^{2q+2} damped oscillator and the coherent state representation 9—97236

Bose, S.K. *see* Bhanja, R. 9—59312

Bose, S.K. *see* Maurya, A.L. 9—49911

Bose, S.M. Auger widths of core levels in lithium and sodium 9—74033

Bose, S.M. *see* Longe, P. 9—69908

Bose, T.K. *see* Birnbaum, G. 9—86547

Bosek, S., Gutjahr, H.-J., Lessing, R. Image structure analysis by means of light-optical diffraction (LOD)—an introduction 9—72501

Bosetti, P. *see* Blietschau, J. 9—93396

Bosi, L., Nimis, M. On the interaction between F- and α-centres in KBr 9—73988

Bosi, L., Nimis, M. On the absence of energy transfer between F and M centers in KCl 9—99935

Bosi, S., Jacoboni, C., Reggiani, L. Acoustic scattering in a two-band system and its application to hole transport properties in cubic semiconductors 9—60823

Bosi, S. *see* Reggiani, L. 9—60842

Bosia, G. *see* Messiaen, A.M. 9—99000

Bosiger, H. *see* Diehl, P. 9—94017

Bosio, C. *see* Jonker, M. 9—93399

Bosio, L. *see* Bererhi, A. 9—51451

Boskovic, S., Gauckler, L.J., Petzow, G., Tien, T.Y. Reaction sintering forming β-Si_3N_4 solid solutions in the system Si, Al/N, O. II. Sintering of Si_3N_4-SiO_2-AlN mixtures 9—52145

Bosman, G., Zijlstra, R.J.J. Drift and diffusion of hot holes in silicon 9—78110

Bosman, J.J., Postma, H. Polarized neutron capture by polarized ^{165}Ho nuclei used to assign spins to ^{166}Ho levels 9—59062

Bosman, M., Bol, A., Gilot, J.F., Leleux, P., Lipnik, P., Macq, P. Measurement of the total cross section for the ^{1}H(n, γ)^{2}H reaction between 37 and 72 MeV 9—49627

Bosman, M., Bol, A., Gilot, J.F., Leleux, P., Lipnik, P., Macq, P. Neutron-proton capture total cross section between 38 and 73 MeV 9—67581

Bosman, P. *see* Blackmore, E.W. 9—54699

Bosnar, M. *see* Loncarevic, F. 9—66506

Boss, A.M.B. *see* Kingstone, D. 9—70614

Bossa, F., Richiardone, R. Lidar measurements of plume structure and trajectories 9—58016

Bossard, A. *see* Raulin, F. 9—75142

Bossard, P., Bakanowski, S., Crow, J.E., Mihalisin, T., Buyers, W.J.L. Resistivity and specific heat in an induced moment ferromagnet near threshold: Pr_3Tl 9—78399

Bossart, R., Bosser, J., Burnod, L., Coisson, R., D'Amico, E., Hofmann, A., Mann, J. Observation of visible synchrotron radiation emitted by a high-energy proton beam at the edge of a magnetic field 9—86119

Bossart, R., Burnod, L., Gareyte, J., de Raad, B., Rossi, V. The damper for the transverse instabilities of the SPS 9—72143

Bossche, M.van den *see* van den Bossche, M.

Bosscher, F. *see* Vorenkamp, E.J. 9—66292

Bosse, J., Gotze, W., Lucke, M. Mode coupling theory of simple classical liquids 9—55630

Bosser, G., Lebreton, J. Rotational analysis of the $B^2\Sigma^+$—$X^2\Pi$ transition of silicon monobromide 9—50013

Bosser, J. *see* Bossart, R. 9—86119

Bossi, E., Poch, L.J., Schultz, L.K., Staples, C.A. Fiber-optic alignment system 9—76834

Bossler, F.B. *see* Hager, G.D. 9—81449

Bossoli, R.B., Welsh, T.J., Gilliam, O.R., Stapelbroek, M. Trapped-hole centers associated with trivalent cations in tetragonal GeO_2 9—77597

Bostandzhiyan, S.A. *see* Stolin, A.M. 9—77158

Bostanjoglo, O., Gemund, H.-P. Lorentz-microscopy on single crystal YIG 9—91249

Bostanjoglo, O., Gemund, H.-P. Fast easy-axis switching of oxidized Ni-Fe films 9—91266

Bostashvili, N.G. *see* Kochlamazashvili, B.T. 9—52583

Bostian, C.W. *see* Meadows, D.N. 9—80590

Bostock, J., MacVicar, M.L.A. Comment on the state-of-the-art of tunneling into superconducting niobium 9—69634

Boston, J.R., Ainslie, P.J. Effectiveness of earphone shielding for artifact control in auditory evoked potentials 9—57790

Boston, J.R. *see* Ainslie, P.J. 9—79712

Boston, R.C. *see* Laats, P.V. 9—62542

Boswarva, I.M. *see* Datta, S. 9—95849

Boswell, D. *see* Armand, A. 9—76868

Boswell, F.W. *see* Yacobi, B.G. 9—82999, 9—99904

Boswell, P.G. The wear resistance of a liquid quenched metallic glass 9—66079

Boswell, P.G. Transmission electron metallography of non-γ_2 silver dental amalgams 9—74162

Boswell, P.G. Solidification models for high cooling rates 9—91639

Boswell, P.G., Chadwick, G.A. The structure of splat-quenched cadmium-zinc alloys 9—66077

Botaki, A.A. *see* Pozdeeva, E.V. 9—60526

Botez, D. Near and far-field analytical approximations for the fundamental mode in symmetric waveguide DH lasers 9—50296

Botez, D. Optimal cavity design for low-threshold-current-density operation of double-heterojunction diode lasers 9—94259

Botez, D., Faris, S.M., Sai-Halasz, G.A., Zory, P.S. Josephson optical modulator 9—98486

Botezatu, R. Contribution to the problem of analytical description of the potential field anomalies. III. Dimensions and physical significances of some synthetic magnitudes determined using the analytical description along profiles of gravity anomalies 9—57845

Botha, A.H. The status of the South African National Accelerator Centre 9—54631

Botha, A.H., Van der Merwe, F.S. Design of circuits for coupling power amplifiers to resonators 9—68052

Bothe, W. Electric power and cooling systems for PETRA 9—68054

Bothe, W., Degele, D., Dehne, H.C., Febel, A., Gerke, H., Heins, D., Hemmie, G., Hoffmann, K., Holm, K., Jandt, E., Kohaupt, R.D., Kumpfert, H., Mulhaupt, G., Narciss, H., Nesemann, H., Patzold, S., Pingel, H., Piwinski, A., Rossmanith, R., Susta, J., Wille, K., Wrulich, A. DORIS at 2×5 GeV 9—68000

Bothorel, P. *see* Maelstaf, P. 9—65885, 9—73957

Bothwell, P.D. *see* Otson, R. 9—92114

Botineau, J. *see* Azema, A. 9—72458

Botineau, J. *see* Saissy, A. 9—78674

Botma, H.C. Acoustic flow meter for use with hydraulic models 9—68878

Botrous El Badramany, N.M., Mina, E.F., Merchant, H.D., Arafa, S. Electrical resistivity of magnetite and nickel ferrous ferrite above 300K 9—78099

Botsaris, G.D. *see* Viola, M.S. 9—73116

Botschwina, P. Vibrational frequencies from anharmonic ab initio/empirical potential energy functions. I. Method and application to H_2O, HNO, HOF and HOCl 9—76406

Botschwina, P. *see* Semkow, A.M. 9—85890

Botskor, I. Use of the anomalous Stark effect for the approximate determination of torsional energy splittings 9—64040

Botstein, C. *see* Mendecki, J. 9—62296, 9—100696

Bott, J.F. Vibrational relaxation of DF (v=1-4) in D_2, H_2, N_2, HF, and CO_2 9—64028

Bott, J.F. Vibrational relaxation of HF(v=1,2,3) in the presence of H_2, N_2, and CO_2 9—64037

Bott, J.F. *see* Heidner, R.F., III 9—68258

Bott, M.H.P. *see* Boynton, C.H. 9—84139

Bottari, A., Federico, B. Travel time analysis of P waves arising from six underground nuclear explosion at Novaya Zemlya 9—84115

Bottcher, C. Energy transfer in ion-polar molecule collisions 9—98059

Bottcher, C., Buckley, B.D. Dissociative electron attachment to the metastable c $^3\Pi_u$ state of molecular hydrogen 9—89794

Bottcher, H. *see* Deutschmann, M. 9—85345

Bottcher, H. *see* Girtler, P. 9—89197

Bottcher, R., Heinhold, D., Windsch, W. ENDOR investigation on VO^{2+}-doped TGS and DTGS single crystals 9—99791
Bottcher, U., Endersz, G. Connections for optical fibres 9—68430
Botten, L.C. *see* Adams, J.L. 9—81544
Bottenheim, J.W., Fu Su, Thorsell, D.L., Calvert, J.G., Damon, E. On the triplet state(s) of sulphur dioxide 9—50042
Botter, R. *see* Baer, T. 9—50092
Botter, R. *see* Carlier, J. 9—76467
Botterill, D.R. *see* Bailey, J. 9—59053
Bottger, H., Bryksin, V.V., Yashin, G.Yu. Cluster approximation in the theory of the AC hopping conductivity in disordered systems. I. One-dimensional systems 9—95379
Bottger, R. *see* Loschau, W. 9—54242
Botthby, R.M. Abnormal grain growth in Nimonic PE16 9—74176
Bottiglioni, F. *see* Avanzini, P.G. 9—97793
Bottinelli, L., Franquelin, O., Frecaut, A., Gouguenheim, L. The outward extent of neutral hydrogen in some galaxies 9—97067
Bottinelli, L., Gouguenheim, L. The H I content of the elliptical galaxies NGC 2974, NGC 4105 and NGC 5846 9—62906
Bottinelli, L., Gouguenheim, L. The large-scale distribution of neutral hydrogen in the elliptical galaxy NGC 3926 9—80347
Bottinelli, L., Gouguenheim, L. Neutral hydrogen in elliptical and I0 galaxies 9—97066
Bottino, A. *see* Abud, M. 9—71679
Bottiroli, G. *see* Andreoni, A. 9—66449
Botto, I.L., Baran, E.J. Crystal data for the trimetaphosphates of lanthanum, cerium and praseodymium 9—51079
Bottom, A. *see* Rushton, C. 9—74473
Botton, N.de *see* de Botton, N.
Bottoni, G.P. One-group coarse-mesh representation corrected for spectral effects in LWRs 9—59132
Bottrill, D.O., Plane, J.H., Newaishy, G.A. A proposed afterloading technique for irradiation of the oesophagus 9—74742
Botts, J.L. *see* Wichner, R.P. 9—67868
Botts, T.E. *see* Ullman, A.Z. 9—89497
Botzian, R., Rustgi, M.L., Torruella, A.J. Simplified derivation of the amplitudes for the photodisintegration of the deuteron with arbitrary number of electromagnetic multipoles 9—93437
Bouard, X.De *see* De Bouard, X.
Boubilk, T., Lu, B.C.-Y. Solubility of gases in liquids form the first-order perturbation theory of convex molecules 9—77749
Boublik, T. Vapour-liquid equilibrium from the perturbation theory of convex molecule fluids 9—90769
Boublik, T. *see* Nezbeda, I. 9—50970
Bouby, L. *see* Ziesel, J.P. 9—54977
Bouchard, J., Darrouzet, M., Giacometti, A. Studies of recycling of actinides other than U and Pu 9—85714
Boucher, B., Lienard, A., Rebouillat, J.P., Schweizer, J. Neutron study of the magnetic correlations in amorphous $ErCo_2$. I. Evidence for correlations between local easy-magnetisation directions using neutron polarisation analysis 9—73682
Boucher, B., Lienard, A., Rebouillat, J.P., Schweizer, J. Neutron study of the magnetic correlations in amorphous $ErCo_2$. II. Evidence for two different regimes in small-angle neutron scattering 9—73683
Boucher, B. *see* Friederich, A. 9—65727
Boucher, C., Mah, S.Q., Van Andel, H.W.H., Teichmann, J. Parametric study of dissipative drift modes and their dynamic stabilization in a weakly ionized plasma 9—64841
Boucher, D. *see* Bauer, A. 9—76411
Boucher, D.J., Jr. *see* Chiu, Y.T. 9—66860
Boucher, J.P., Jug, G., Borsa, F. Spin dynamics in the linear antiferromagnet TMMC: Effect of a magnetic field at low temperature 9—73733
Boucher, J.P., Regnault, L.P., Rossat-Mignod, J., Villain, J., Renard, J.P. Effect of a magnetic field on the correlation length in a one-dimensional antiferromagnet 9—91244
Boucher, J.P. *see* Barjhoux, Y. 9—73799
Boucher, J.-P., Jug, G., Borsa, F. Effect of a magnetic field on nuclear spin-lattice relaxation time in the linear antiferromagnet TMMC at low temperature 9—61255
Boucher, R.E. *see* Hassab, J.C. 9—59866
Boucherle, J.X., Quezel, S., Schweizer, J., Tcheou, F. Redetermination of the neutron scattering length of holmium 9—99032
Boucherle, J.X. *see* Barbara, B. 9—78331, 9—87291
Bouchet, B. *see* Ranganathan, N. 9—79069
Bouchet, D., Priester, L. Indirect detection of grain-boundary segregation of carbon in iron-chromium alloys (Cr 10%) by electrochemical study 9—100147
Bouchet, J.M. *see* Savornin, J.L. 9—76097
Bouchey, G.D., Additon, S.L., Parziale, E.A. Planned natural-circulation testing in the Fast Flux Test Facility 9—49676
Bouchez, J. *see* Cuatis, C.V. 9—89193
Bouchez, J.L. *see* Poirier, J.P. 9—79763
Bouchon, M. The importance of the surface or interface P wave in near-earthquake studies 9—66628
Bouchon, M. A dynamic source model for the San Fernando earthquake 9—84119
Bouchoule, A. *see* Gand, M. 9—94827
Bouchoule, A. *see* Pignolet, P. 9—98036
Bouchy, A., Roussy, G. The determination of the dipole moment in microwave spectroscopy: the case of cis vinylisocyanate 9—98078
Boucrot, J. The existence of the tau heavy lepton a certainty 9—71776
Boucrot, J. *see* Badier, J. 9—93460
Boudar, A. *see* Alkhazov, G.D. 9—75883
Boudard, A., Couvert, P., Dillig, M. Analysis of the (p,π^+) and the (d,p) stripping reaction 9—85436
Boudard, A. *see* Bauer, T.S. 9—54394
Boudart, M. *see* Bartholomew, C.H. 9—91257
Boudeulle, M., Moser, M., Michel, P. Structure, morphology and twins in polymers 9—51058
Boudjada, P.A. Crystal structure of strontium bis(dihydrogenarsenate):$Sr(H_2AsO_4)_2$ 9—60317
Boudon, Y., Barlier, F., Bernard, A., Juillerat, R., Mainguy, A.-M., Walch, J.J. Synthesis of flight results of the Cactus accelerometer for accelerations below 10^{-9} G 9—75505
Boudou, A. *see* Sapriel, J. 9—60504
Boudreau, P.A. *see* Miaw, L.-H.L. 9—74434
Boudreau, R.A. *see* Haendler, H.M. 9—86750
Boudreau, S.M. *see* Haendler, H.M. 9—86750
Boudreault, R. *see* Fitzgerald, M.P. 9—88712
Boudreaux, D.S. *see* Vincze, I. 9—65002, 9—77528
Boudrie, R. *see* Kallne, J. 9—85503
Boudrie, R.L., Amann, J.F., Morris, C.L., Thiessen, H.A., Smith, L.E. On-line polynomial optimization for high resolution spectrometers 9—89563
Boudrie, R.L., DiGiacomo, N.J., Kraushaar, J.J., Peterson, R.J., Ristinen, R.A., Shepard, J.R., Smith, G.R., King, N.S.P., Morris, C.L., Thiessen, H.A., Cottingame, W.B., Fred Moore, C., Braithwaite, W.J., Piffaretti, J. Spin-flip and isospin-flip transitions in ^{12}C by positive-pion scattering 9—85540
Boudrie, R.L. *see* Amann, J.F. 9—89530
Boudrie, R.L. *see* Anderson, R.E. 9—85502
Boudrie, R.L. *see* Cottingame, W.B. 9—85535
Boudrie, R.L. *see* Geesaman, D.F. 9—85541
Boudrie, R.L. *see* Morris, C.L. 9—93505
Boudrie, R.L. *see* Olmer, C. 9—93667
Boudry, B. Automatic operation of a quadrupole analyser by a microprocessor system 9—54212
Boudry, M.R., Stagg, J.P. The kinetic behavior of mobile ions in the Al-SiO_2-Si system 9—56315
Boudys, M. The changes of remanent polarization of poled piezoceramic material $Pb(Sb_{1/3}Mn_{2/3})O_3+PbTiO_3+PbZrO_3$ system initiated by heat treatment 9—87390
Boue, F., Daoud, M., Nierlich, M., Williams, C., Cotton, J.P., Farnoux, B., Jannink, G., Benoit, H., Dupplessix, R., Picot, C. Deuteration as applied to small-angle neutron scattering for the study of polymers. Methods, results and prospects 9—50956
Boue, F. *see* Nierlich, M. 9—77484
Bouffard, V. *see* Abragam, A. 9—65654
Bouffard, V. *see* Roubeau, P. 9—58701
Bougault, H., Cambon, P., Corre, O., Joron, J.L., Treuil, M. Evidence for variability of magmatic processes and upper mantle heterogeneity in the axial region of the Mid-Atlantic Ridge near 22° and 36°N 9—88334
Bougerol, P. A central local limit theorem on semi-simple Lie groups 9—71222
Bouget, Y.H., Cosimi, M., Hammer, P., Humbert, G., Lyon, F., Martini, M. Physics performances of a heterogeneous fast reactor core concept studied in Masurca 9—59124
Boughner, R.E. *see* Levine, J.S. 9—96807
Bougnot, J. *see* Savelli, M. 9—74522
Bougon, R., Fawcett, J., Holloway, J.H., Russell, D.R. New adducts of uranium oxide tetrafluoride. Preparation of $UOF_4.nSbF_5$ (n=1, 2, or 3) and crystal structure of $UOF_4.2SbF_5$ 9—51062
Bouiges, S. Calcul astronomique pour amateurs (Astronomical calculation for amateurs) 9—92683
Bouillon, F. *see* Van Steene, G. 9—66065
Bouillon, G. *see* Delisle, C. 9—98514
Bouillot, J., Escribe, C., Fitzgerald, W.J., Gninivi, L. Measurement of optical modes in cubic $BaTiO_3$ by neutron scattering 9—69213
Bouillot, J.L. *see* Armand, L. 9—91569
Boukamp, B.A., Huggins, R.A. Ionic conductivity in lithium imide 9—86922
Boukhari, A., Chaminade, J.P., Vlasse, M., Pouchard, M. Crystal structure of potassium tantalum oxyfluoride, $K_2Ta_4F_4O_9$ 9—99129
Boulahia, K. *see* Hannakam, L. 9—89827
Boulanger, P., Mayne, G. Linear viscoelastic materials of the integro-differential type 9—81741
Boulanger, Ph. *see* Mayne, G. 9—80443
Boulanger, Y.D., Demaynova, T.E. Results of repeated gravity observations on the Garm geodynamic test-field 9—92465
Boulanger, Y.D., Gaipov, B.N., Demaynova, T.E., Kurbanov, M.K. A study of Nontidal variations of gravity at the Ashkhabad geodynamic test field 9—92466
Boulanger, Yu.D. Some results of studies of nontidal gravity variations 9—92464
Boulay, G.H.Du *see* Du Boulay, G.H.
Bouldin, D.W. *see* Bryant, D.J. 9—75646
Bouldin, D.W. *see* Davies, D.L. 9—75647
Bouldin, D.W. *see* Meyer, E.R. 9—71942
Boulegue, J. Metastable sulfur species and trace metals (Mn, Fe, Cu, Zn, Cd, Pb) in hot brines from the French Dogger 9—62527
Boulesteix, C., Cesari, C., El Hili, A., Fakhfakh, Z., Nihoul-Boutang, G., Colliex, C., Mory, C. Quantitative analysis of the contrast of stained biological sections 9—66596
Boulesteix, C. *see* Jouanin, C. 9—55621
Bouley, J.C., Landreau, J., Delpech, P., Ged, P. A stabilized zinc diffused-proton bombarded (GaAl)As laser 9—98392
Boulon, G., Gacon, J.C., Trottier, D., Vedrine, A. Eu^{2+} luminescence in KY_3F_{10} 9—78746
Boulon, G. *see* Moncorge, R. 9—52002
Boult, K.A. *see* Malow, G. 9—49790
Boulton, J. Waste management and its role in the Canadian fuel cycle [radioactive waste disposal] 9—89393
Boulware, D.G., Deser, S., Kay, J.H. Supergravity from self-interaction 9—63113
Boulware, R.J., Caderao, J.B., Delclos, L., Taylor Wharton, J., Peters, L.J. Whole pelvis megavoltage irradiation with single doses of 1000 rad to palliate advanced gynecologic cancers 9—100708
Bouma, W.J., Radom, L. Is the carboxylic acid—fluoride bond really the strongest type of hydrogen bond? 9—76528
Bouman, M.A. *see* Zuidema, P. 9—53118
Bouman, T.D. *see* Hansen, A.E. 9—76413
Boumans, P.W.J.M. A tutorial review of some elementary concepts in the statistical evaluation of trace element measurements 9—87921
Boumans, P.W.J.M. ICP atomic emission spectrometry: a multi-element analysis method for liquids and dissolved solids 9—96395
Bounds, D.G., Hinchliffe, A. Breakdown of the superposition approximation: an ab initio MO calculation of the triplet polarizability of Li_2Cl^+ 9—98244
Bounds, D.G. *see* Hinchliffe, A. 9—76338
Bounds, P.J., Munn, R.W. Dielectric theory of strained molecular crystals: Elasto-optic coefficients of orthorhombic sulphur 9—65836
Boundybey, V.E. *see* Katayama, D.H. 9—54779
Bouquet, F.L., Price, W.E., Newell, D.M. Designer's guide to radiation effects on materials for use on Jupiter fly-bys and orbiters 9—92648
Bour, L.J., Verhoosel, J.C.M. Directional sensitivity of photoreceptors for different degrees of coherence and directions of polarization of the incident light 9—100610
Bourassa, R.R., Shing-Yah Wang Calculation of thermopower in noble metals using dHvA data 9—65448
Bourauel, G. *see* Puerta, J. 9—89894
Bourbon, D. *see* Bellocq, A.-M. 9—82339
Bourdel, D., Ruiz, F., Ablart, G., Pescia, J., Clement, S., Renard, J.P. Spin relaxation in TMMC: evidence of two paramagnetic species 9—61208
Bourdillon, P.J., Becket, J.M., Duffin, P. Saline conductivity method for measuring cardiac output simplified 9—92318
Bourdillon, P.J. *see* Kilpatrick, D. 9—83987
Bourdin, J.P., Ganachaud, J.P., Cailler, M. A non-linear dynamical response of an electron gas 9—69441
Bourdonneau, B. *see* Harmanec, P. 9—53817
Boure, J.A. On the form of the pressure terms in the momentum and energy equations of two-phase flow models 9—90315
Boureau, G., Kleppa, O.J. Thermodynamic aspects of hydrogen motions in dilute metallic solutions 9—65254
Boureau, G. *see* Picard, C. 9—65216
Bourelier, F. *see* Gabrielli, C. 9—83466
Bourgarel, M.P. *see* Attal, P. 9—54613
Bourgeois, F. *see* Beer, A. 9—49920
Bourgeois, J. A note on the image frequency limitations 9—58264
Bourgeois, J. The personal equation in the observation of occultations of stars by the Moon 9—88607
Bourgeois, M. *see* Sparks, D.W. 9—50529
Bourgin, M.S. *see* Bertaux, J.L. 9—80180
Bourgine, A., Bec, R. The acoustic environment of Ariane 9—81620
Bourgoin, D. *see* Bureau, M. 9—79582
Bourgoin, J.C., Frossati, G., Ravex, A., Thoulouze, D., Vandorpe, M., Waksmann, B. Conduction at low temperature ion ion-implanted silicon 9—56225
Bourgoin, J.C., Krynicki, J., Blanchard, B. Boron concentration and impurity-to-band activation energy in diamond 9—56165
Bourgoin, J.C. *see* Astier, M. 9—82555
Bourgou, A. *see* Beysens, D. 9—82940

Bourhis, A.Le *see* Le Bourhis, A.
Bourillot, C. *see* Aussourd, P. 9—66427
Bourke, R.H. *see* Paquette, R.G. 9—57961
Bourke, W. *see* McAvaney, B.J. 9—53447
Bourkland, K.R. A 34 kA rapid cycling PFN power supply for driving injection magnets 9—67974
Bourkland, K.R., Dinkel, J.A. Bipolar operation of the main ring magnet supplies 9—76206
Bourkoff, E., Dienes, A., Whinnery, J.R. Measurements of picosecond pulse shapes for the highly synchronous CW double mode-locked dye laser 9—64257
Bourkoff, E., Whinnery, J.R., Dienes, A. Independent tunability of the double-mode-locked CW dye laser 9—72590
Bourland, J.D. *see* Hughes, D.J. 9—57836
Bourne, D.A. Three dimensional picture processing and its use in bio-medical applications 9—100736
Bourne, J.R. *see* Giese, D.A. 9—96697
Bourne, O.L., Dyer, P.E., Tait, B.L. Influence of circuit and UV preioniser parameters on the performance of a discharge pumped KrF laser 9—55143
Bourne, P.R., Kitney, R.I. Matching techniques for clinical models of the circulation 9—53176
Bourne, R.B. *see* Oh, I. 9—79688, 9—79692
Bourninaud, M. *see* Allemand, L. 9—81126
Bourniquel, B. *see* Becle, C. 9—90597
Bournot, P. *see* Autric, M. 9—73021
Bourot, J.-M., Morin, J. Calculation of the ellipsoid of minimum drag and the conditions of optimal design in a Stokes flow limited by a cylindrical front 9—53982
Bourotte, J. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Bourque, R.F. *see* Schaffer, M.J. 9—50885
Bourquin, M., Brown, R.M., Chatelus, Y., Chollet, J.C., Croissiaux, M., Degre, A., Ferro-Luzzi, M., Froidevaux, D., Fyfe, A.R., Gaillard, J.-M., Gee, C.N.P., Gibson, W.M., Gray, R.J., Igo-Kemenes, P., Jeffreys, P.W., Merkel, B., Morand, R., Ott, R.J., Plothow, H., Repellin, J.-P., Saunders, B.J., Sauvage, G., Schiby, B., Siebert, H.W., Smith, V.J., Streit, K.-P., Strub, R., Thresher, J.J., Trischuk, J. Particle and antiparticle production by 200 GeV/c protons in the charged hyperon beam at the CERN SPS 9—71768
Bourrely, C., Soffer, J., Tai Tsun Wu New impact picture for low- and high-energy proton-proton elastic scattering 9—89178
Bourret, A. Origin of contrast in images from biological samples 9—66593
Bourret, A., Desseaux, J. Lattice images of dislocations in germanium 9—82215
Bourret, A., Desseaux, J. The low-angle [011] tilt boundary in germanium. I. High-resolution structure determination 9—82239
Bourret, A., Desseaux, J. The low-angle [011] tilt boundary in germanium. II. Theoretical analysis of observed configurations and stability 9—82240
Bourret, S. *see* Crane, T.W. 9—81067
Boursey, E. *see* Chandrasekharan, V. 9—73445
Bouscasse, L. *see* Avignon, T. 9—94107
Bouscasse, L. *see* Loridan, G. 9—49936
Bousbehri, A. The extended law of corresponding states and the interaction potential 9—81251
Bousquet, C. *see* Bras, N. 9—98033
Bousquet, C. *see* Robert, J.L. 9—60690
Bousquet, J.-C. Quaternary strike-slip faults in southeastern Spain 9—79798
Boussard, D., Brouzet, E., Cappi, R., Gareyte, J. Collective effects at very high intensity in the CERN-PS 9—76193
Boussard, D., Dome, G., Linnecar, T.P.R. Acceleration in the CERN SPS—present status and future developments 9—72063
Boussard, D., Evans, L., Gareyte, J., Linnecar, T., Mills, W., Wilson, E.J.N. Acceleration and storage of a dense single bunch in the CERN SPS 9—72094
Boussard, D., Mizumachi, Y. Production of beams with high line-density by azimuthal combination of bunches in a synchrotron 9—72114
Bousse, L., Vounckx, R., Steenhaut, O. The influence of silicon surface potential on the Fowler-Nordheim tunnel injection into SiO_2 9—91151
Bouteille, F., Bruyere, M., Mourlevat, J.L. Framatome protection system improvements 9—97844
Bouteiller, Y., Guissani, Y. Theoretical study of hydrogen bonded complexes in the gas phase. Infra-red and Raman spectra of C1H ... $O(CH_3)_2$ and of the deuteriated species. II. Mechanical and electrical anharmonicity effects 9—89672
Boutelier, C. Survival and protection of aircrew in the event of accidental immersion in cold water 9—88058
Bouten, P.C.P., Miedema, A.R. On the stable compositions in transition metal-nitrogen phase diagrams 9—91622
Boutet, J. *see* Foin, C. 9—85354
Boutheon, M. *see* Baribaud, G. 9—72209
Boutilier, G.D. *see* Blackburn, M.B. 9—79330
Boutle, N.F. *see* Dover, W.D. 9—61710
Bouton, J.M. *see* Besnus, M.J. 9—82180
Boutonnet, A. *see* Zhulin, I.A. 9—66738
Boutrit, C. *see* Nguyen, P.H. 9—95505
Boutron, C. Past and present day tropospheric fallout fluxes of Pb, Cd, Cu, Zn and Ag in Antarctica and Greenland 9—58007
Boutron, C., Martin, S. Preconcentration of dilute solutions at the 10^{-12} g/g level by nonboiling evaporation with variable variance calibration curves 9—79327
Bouts, D. Frequency analog measuring technique: linear displacement transducing by means of the vibrating string [pressure measurement] 9—71441
Bouvrain, Y. *see* Azancot, I. 9—70634
Bouwer, H., Rice, R.C. Delayed aquifer yield as a phenomenon of delayed air entry 9—84325
Bouwer, H.K. *see* McDowell, M.W. 9—72655
Bouwman, R. *see* Biloen, P. 9—69328
Bouyer, J.J. *see* Rougeul, A. 9—83729
Bouyssy, A. Strangeness exchange reactions and hypernuclear spectroscopy 9—67699
Bouyssy, A., Campi, X. Nuclear densities from theory and experiment 9—67641
Bouyssy, A., Ngo, H., Mau, N.V. Microscopic analysis of p-^{40}Ca elastic scattering at 30.3 MeV 9—93631
Bouzyk, J. *see* Gadomski, A.M. 9—63752
Bova, L. *see* Spencer, B.W. 9—85669
Bovalini, G.M. *see* Amendola, A. 9—97795
Bovee, W.M.M.J. The determination of chemical exchange rates by N.M.R. over a large temperature range by a combination of complete line shape analysis and relaxation time (T_1 and T_2) measurements 9—79243
Bovee, W.M.M.J. *see* Wind, R.A. 9—61253
Bovet, D. The double use of velocity in hydrodynamics 9—75349
Bovin, J.-O. High-resolution electron microscopy images of defects in Mg- and Li-stabilized β''-aluminas 9—73135
Bovin, J.-O., Galy, J. Ordered chemical twinning in the Bi_2S_3-CuPbBiS$_3$ series 9—55717
Bovin, V.P. *see* Romanov, Yu.A. 9—51623
Bovina, L.A., Ponomarenko, V.P., Stafeev, V.I. Thermoelectric effects in p-type $Cd_xHg_{1-x}Te$ solid solutions 9—73538
Bowden, C.M., Sung, C.G. First- and second-order phase transitions in the Dicke model: Relation to optical bistability 9—81402
Bowden, G.J., Campbell, I.A., Nambudripad, N., Stone, N.J. Statistical tensors for the analysis of γ-ray emission from a non-axially-symmetric nuclear ensemble 9—95694
Bowden, G.J. *see* Allsop, A.L. 9—95695
Bowden, G.J. *see* Suzuki, H. 9—61070
Bowden, J.A. *see* Schweitzer, T.W. 9—88071
Bowden, K.F. Physical problems of the benthic boundary layer 9—53352
Bowden, P. *see* Whitley, J.E. 9—88492
Bowden, R.L. A note on the iteration of the Chadrasekhar nonlinear H-equation 9—58652
Bowden, R.L., Cameron, W.L. Constructive solution of the linearized Boltzmann equation: vector BGK model 9—93081
Bowden, R.L., Greenberg, W., Zweifel, P.F. Resolvent integration techniques for generalized transport equations 9—76051
Bowe, K.H., Hornbogen, E., Wittkamp, I. Determination of cracks in metastable austenitic alloys using a permeability-probe 9—52549
Bowell, E., Wasserman, L.H. Occultations of stars by solar system objects. I. Predictions for Ceres, 1979/1980 9—62785
Bowen, D.E. *see* Fenner, D.B. 9—69194
Bowen, D.K., Vitek, V. The construction of central-force interatomic potentials from whisker deformation data 9—56103
Bowen, H.J.M., Page, E., Valente, I., Wade, R.J. Radio-tracer methods for studying speciation in natural waters 9—88490
Bowen, H.J.M. *see* Valente, I. 9—53008
Bowen, K.H. *see* Chance, K.V. 9—72302
Bowen, R.M. On the effect of memory on the growth and decay of acceleration waves in a diffusing mixture with multiple temperatures 9—50640
Bowen, R.W., Nissen, M.J. Luminance, not brightness, determines temporal brightness enhancement with chromatic stimuli 9—74672
Bowen, R.W., Pokorny, J. Target edge sharpness and temporal brightness enhancement 9—53152
Bowen, R.W. *see* Pokorny, J. 9—57657
Bowen, S.P. Interconfigurational fluctuations in the dilute magnetic alloy and thermopower measurements 9—65412
Bowen, S.W. *see* Gilbreath, W.P. 9—52901
Bowen, T. Acoustic detection: a new technique in >10 TeV experiments 9—62691
Bowen, T. Low cost connectors for single optical fibers 9—68434
Bowen, T. A rugged, inexpensive connector [optical fiber] 9—98489
Bowen, T. *see* Sulak, L. 9—59317
Bowen, V.T. *see* Livingston, H.D. 9—57974
Bowen, W.R. *see* Archer, M.D. 9—52691
Bowen, W.W., Buckman, R.W. A high-temperature, low-power furnace for processing nuclear fuel 9—49823
Bowen, W.W., Graham, R.A., Buckman, R.W. A sintering furnace for remote fuel fabrication 9—89479
Bower, A.R.D. *see* Jacka, F. 9—58143
Bower, D.I. *see* Nobbs, J.H. 9—99084
Bower, D.I. *see* Robinson, M.E.R. 9—73919
Bower, J., Bradshaw, J., Winefordner, J. A continuum-source single-detector resonance-monochromator for atomic-absorption spectrometry 9—83540
Bower, L.R. *see* Watkins, W.R. 9—63992, 9—80010
Bower, V.E. *see* Koch, W.F. 9—88916
Bowers, C.H. *see* Mueller, C.J. 9—49775
Bowers, C.H. *see* Tentner, A.M. 9—85615
Bowers, D. *see* Simpson, J.H. 9—92545
Bowers, E.D. *see* Douple, E.B. 9—100700
Bowers, G.L., Darby, D.M., Dunigan, T.H. Dynamic special nuclear materials control and accountability system prototype 9—89485
Bowers, J. *see* Robbins, W.P. 9—50557
Bowers, J.E., Khuri-Yakub, B.T., Kino, G.S., Yu, K.-H. Design and applications of high efficiency wideband SAW edge bonded transducers 9—55304
Bowers, J.E., Oseland, P.W.R., Davies, G.C. Development of a hot-stamping brass resistant to dezincification 9—70208
Bowers, P.F., Kundu, M.R. Observations of α Orionis, R Aquilae, and R Aquarii at 14.9 GHz 9—75210
Bowers, W.J. *see* Mangum, B.W. 9—63224
Bowers, W.J., Jr. *see* Van Degrift, C.T. 9—63223
Bowersox, D.F., Walton, R.B., Ensslin, N., Parker, J.L., Spirio, C.A., Tape, J.W., Speir, L.G., Maraman, W.J. In-line evaluation of nondestructive assay instruments for plutonium-uranium analyses 9—85589
Bowhill, S.A. *see* Hill, R.J. 9—75030
Bowie, S.H.U. The mode of occurrence and distribution of uranium deposits 9—84266
Bowler, K.C., Walters, P.J. Radially excited baryons in the MIT bag model 9—89127
Bowles, J.S., Wayman, C.M. The growth mechanism of AuCu II plates 9—56976
Bowles, T., Geesaman, D.F., Holt, R.J., Jackson, H.E., Laszewski, R.M., Specht, J.R., Stephenson, E.J., Segel, R.E., Redwine, R.P., Yates-Williams, M.A., Julien, J. Properties of pion single charge exchange reactions in nuclei 9—93663
Bowley, R.M. Mobility of negative ions in liquid ^{3}He 9—55996
Bowley, R.M. *see* Sheard, F.W. 9—55954
Bowling, A.J. A note on hydrometer particle size analysis calculations with a small calculator 9—62590
Bowling, M.L., Miller, J.G. Core design, operation, and economics of 18-month fuel cycles 9—85591
Bowling, R.A., Allen, J.D., Jr., Schweitzer, G.K. The He I photoelectron spectra of gaseous alkali cyanides 9—64046
Bowling, R.A., Allen, J.D., Jr., Schweitzer, G.K. The He(I) photoelectron spectra of gaseous alkali metaphosphates 9—72357
Bowman, C., Tedeschi, H. Electrical properties of giant mitochondria studied with a double impalement technique 9—92446
Bowman, C.D. Research applications of a high power induction linac 9—49878
Bowman, D., Halley, J.W. Fluctuations in the energy-energy correlation function of one-dimensional magnetic models 9—73726
Bowman, D.A. *see* Lafferty, J.F. 9—92261
Bowman, J.D. *see* Carrington, R.L. 9—76257
Bowman, J.D. *see* Nagle, D.E. 9—63499, 9—63500
Bowman, J.M. Rotational rainbows in inelastic atom-molecule differential cross sections 9—50114
Bowman, J.M., Drolshagen, G., Toennies, J.P. A test of the quantum mechanical sudden vibrational approximation for collinear inelastic collisions 9—98193
Bowman, J.M., Lee, K.T. Sudden rotation calculations of the H+H_2(v=1,j=0) reaction 9—79230
Bowman, J.R. *see* Ward, S.H. 9—84260
Bowman, M.K. *see* Ichikawa, T. 9—88991
Bowman, R.C., Jr., Attalla, A. Retention and distribution of helium in lithium tritide 9—69153
Bowman, R.C., Jr. *see* Abell, G.C. 9—65724
Bowman, R.C., Jr. *see* Bambakidis, G. 9—78961
Bowman, R.L. *see* Battocletti, J.H. 9—83880
Bowman, R.L. *see* Halbach, R.E. 9—62328
Bowman, W.B., Swindle, D.L. A 'tech spec' meter for radioactivity monitoring in a nuclear power plant 9—54604
Bowman, W.D. *see* Taylor, D.G. 9—49295
Bownds, M.D. *see* Hubbell, W.L. 9—96561
Bowonder, B. *see* Rohatgi, P.K. 9—67140
Bowrey, R.G., Jutsen, J. Energy storage using the reversible oxidation of barium oxide 9—83637
Bowring, R. *see* Chiu, C. 9—76063
Bowser, W.M. *see* Evans, H.E. 9—90884
Bowsher, J.M. *see* Pratt, R.L. 9—98570
Bowyer, C.S. *see* Mason, K.O. 9—92787
Bowyer, S. *see* Cash, W. 9—97035

Bowyer, S. *see* Charles, P. 9—97103
Bowyer, S. *see* Charles, P.A. 9—67079
Bowyer, S. *see* Crawford, R. 9—71027
Bowyer, S. *see* Finley, D.S. 9—50363
Bowyer, S. *see* Freeman, J. 9—92834
Bowyer, S. *see* Kimble, R. 9—92803
Bowyer, S. *see* Paresce, F. 9—71159
Bowyer, S. *see* Rothschild, R. 9—58248
Bowyer, S. *see* Stern, R. 9—71160
Box, E. Quantitative cartographic analysis: A summary (with geoenvironmental applications) of SYMAP auxiliary programs developed at the Julich Nuclear Research Center 9—70469
Box, H.C. *see* Budzinski, E.E. 9—78037
Box, M.A., Deepak, A. Retrieval of aerosol size distributions by inversion of simulated aureole data in the presence of multiple scattering 9—74957
Box, M.A., Deepak, A. Atmospheric scattering corrections to solar radiometry 9—80015
Boxer, B. Mediterranean Action Plan: an interim evaluation 9—62156
Boxman, R.L. *see* Shlien, D.J. 9—59984
Boxus, J. *see* Heremans, J. 9—69646
Boy-Marcotte, J.L. The medium power solar plants to collect and distribute 100 to 1000 kWe 9—52886
Boy-Marcotte, J.L., Grossin, R. Medium-power (100 to 1000 kW) heat and electricity production 9—100493
Boy-Marcotte, J.-L., Devin, B. Medium capacity heliothermal power stations 9—61960
Boya, L.J., Gomez, G. Confinement in (1+1) dimensions and fermions 9—63422
Boyack, B.E. *see* Shenoy, A.S. 9—54486
Boyad, Khr. *see* Bechkov, V. 9—64677
Boyadzhiev, Khr. *see* Bechkov, V. 9—65309
Boyadzhiev, L., Spassov, M. Computation of the efficiency of a counter-current extraction column using a nonlinear PD-model 9—64808
Boyadzhiev, L. *see* Elenkov, D. 9—64809
Boyandina, L.G. *see* Alekseev, A.G. 9—50963
Boyar, R.E. *see* DeVolpi, A. 9—49776
Boyarevich, V.V. Electrically induced vortical flow from a hemispherical electrode 9—94733
Boyarskaya, Yu.S., Grabko, D.Z., Pishkova, D.S., Shutova, S.S. The influence of the mode of hardness increase on the dislocation mobility of the crystals with NaCl lattice 9—51114
Boyarski, A.M. *see* Abrams, G.S. 9—89149, 9—89174
Boyarski, A.M. *see* Rapidis, P.A. 9—75780
Boyarskii, L.A. *see* Blinov, A.G. 9—56499
Boyarskii, S.V., Novikov, I.I. Nature of the temperature dependence of the heat capacity near a polymorphic transition 9—86884
Boyce, J.B., Huberman, B.A. Superionic conductors: transitions, structures, dynamics 9—60549
Boyce, J.B. *see* Stutius, W. 9—87526
Boyd, D. *see* Eubank, H. 9—82074
Boyd, D.C., Lawrence, P.D., Bratty, P.J.A. The effect of electromyographic jitter on single motor unit EMG potentials 9—83960
Boyd, D.P. Status of diagnostic X-ray CT: 1979 9—66536
Boyd, D.P., Gould, R.G., Quinn, J.R., Sparks, R., Stanley, J.H., Herrmannsfeldt, W.B. A proposed dynamic cardiac 3-D densitometer for early detection and evaluation of heart disease 9—66521
Boyd, E.H. *see* Boyd, E.S. 9—83805
Boyd, E.S., Boyd, E.H., Brown, L.E. Observations on the M-wave and the CNV in the squirrel monkey 9—83805
Boyd, G.D. *see* Lemons, R.A. 9—65949
Boyd, J.P. The effects of latitudinal shear on equatorial waves. I. Theory and methods 9—88412
Boyd, J.P. The effects of latitudinal shear on equatorial waves. II. Applications to the atmosphere 9—88413
Boyd, J.T. Integrated optoelectronic silicon devices for optical signal processing and communications 9—59847
Boyd, M.J. A storage-routing model relating drainage basin hydrology and geomorphology 9—79903
Boyd, R.H. *see* Sayre, J.A. 9—61302
Boyd, R.K. *see* Hanley, E.J. 9—92328
Boyd, R.K. *see* Ripmeester, J.A. 9—73114
Boyd, R.W., Moore, D.T. Interferometric measurement of the optical phase distribution for Fresnel diffraction by a straightedge 9—76579
Boyd, T.J. *see* Fazio, M.V. 9—67981
Boyd, T.J.M. *see* Turner, J.G. 9—90396
Boyd, T.L. *see* Pickett, H.M. 9—63987
Boyer, A.L. *see* Biggs, P.J. 9—100747
Boyer, C.F. *see* Blanar, G.J. 9—93473
Boyer, D., Marrot, J., Llopiz, P., Maire, J.C., Okawara, R. XPS study of organothallium (III) compounds 9—64047
Boyer, G.R., Lamouroux, B.F., Prade, B.S. Automatic measurement of the Stokes vector of light 9—63292
Boyer, J. *see* Hermans, F. 9—56383
Boyer, K. *see* Davis, J. 9—93662
Boyer, K.G., Braithwaite, W.J., Cottingame, W., Greene, S.J., Smith, L.E., Fred Moore, C., Morris, C.L., Thiessen, H.A., Blanpied, G.S., Burleson, G.R., Davis, J., McCarthy, J.S., Minehart, R.C., Goulding, C.A. Pauli blocking in the calcium isotopes using $(\pi^{\pm},\pi^{\pm})$ scattering 9—85539
Boyer, L.L. Symmetrized Fourier method for interpolating band-structure results 9—73419
Boyer, L.L. *see* Klein, B.M. 9—60701
Boyer, L.L. *see* Papaconstantopoulos, D.A. 9—56354, 9—95318
Boyer, P. *see* Blanchard, J.-P. 9—79843
Boyer, T.H. Inconsistency between the Boltzmann distribution for relativistic free particles and the Rayleigh-Jeans law for thermal radiation within classical electrodynamics 9—49036
Boyer, T.H. Inconsistency between the Boltzmann distribution for relativistic free particles and the Planck spectrum for thermal radiation in quantum theory 9—85001
Boyes, E.D., Gai, P.L., Skarnulis, A.J. Alloy lattice images and their interpretation 9—86659
Boykin, W.L. The defense meteorological satellite program (DMSP) thermal imager 9—97435
Boyle, F.P. *see* Banik, N.C. 9—82331
Boyle, F.T. *see* Vincett, P.S. 9—95293
Boyle, J.T. On bounding the damage in creeping structures approaching rupture 9—50612
Boyle, J.T., Spence, J. International piping bench-marks: use of the simplfied code PACE 2 9—93707
Boyle, L.L. The formation of rigid molecules from fragments 9—49933
Boyle, P., Froesch, D. The peripheral fields of Octopus stellar nerves 9—66467
Boynton, C.H., Westbrook, G.K., Bott, M.H.P., Long, R.E. A seismic refraction investigation of crustal structure beneath the Lesser Antilles island arc 9—84139
Boynton, D. *see* Woods, A.C. 9—62673
Boynton, R.M. *see* Baron, W.S. 9—74660
Boynton, R.M. *see* MacLeod, D.I.A. 9—100613
Boys, J.T. A prosthetic aid for a developing blind child 9—70708
Boyse, E.A. *see* Goldstein, G. 9—84058
Boysel, R.M., Newrock, R.S., Garland, J.C. Remanent superconductivity in pure bulk aluminium 9—99529
Boysen, J. *see* Wilson, G.V.H. 9—63230
Bozal Gonzalez, J.L. Continuous measurement 'in vivo' of chemical parameters in monitoring: the ISFET technique 9—83986
Bozati, A.N. *see* Nayfeh, A.H. 9—64632
Bozdech, G. *see* Ernst, N. 9—52086
Bozek, E. *see* Vivien, J.P. 9—85408
Bozhenko, V.V. *see* Vetrov, N.Yu. 9—55238
Bozhevol'nyi, S.I., Zolotov, E.M., Kiselev, V.A., Shcherbakov, E.A. Investigation of diffraction gratings induced in $LiNbO_3$ for integrated-optics applications 9—98511
Bozhko, N.I., Borisov, A.A., Glebov, V.Yu., Fakhrutdinov, R.M. Loading characteristics of a drift chamber with a multiwire signal element and a 250-mm drift gap 9—97937
Bozhko, N.I., Borisov, A.A., Vovenko, A.S., Glebov, V.Yu., Mukhin, A.I., Rybakov, V.G., Sytin, A.N., Fakhrutdinov, R.M. Drift chamber with multiwire signal element and with large drift gap 9—97936
Bozhko, S.I., Mitryaev, A.A., Panchenko, O.A., Razgonov, I.I., Tsoi, V.S. Static skin effect and transverse electron focusing in tungsten crystal with atomically clean surface 9—91036
Bozhkov, A.I., Bunkin, F.V. Optoacoustic sound-focusing device 9—90107
Bozhkov, A.I., Bunkin, F.V., Kolomenskii, Al.A. Optoacoustic sound generation with finite tracks 9—90731
Bozhkov, A.I., Kolomenskii, Al.A. Acoustic field of an optoacoustic antenna moving at subsonic or supersonic velocity 9—90108
Bozio, R., Zanon, I., Girlando, A., Pecile, C. Vibrational spectroscopy of molecular constituents of one-dimensional organic conductors. Tetrathiofulvalene (TTF), TTF^+, and $(TTF^+)_2$ dimer 9—99869
Bozler, C.O. *see* Fan, J.C.C. 9—79390
Bozler, H.M., Bartolac, T., Luey, K., Thomson, A.L. NMR measurements of the magnetization of ^{3}He in Grafoil 9—51370
Bozler, H.M., Bartolac, T.J. Texture relaxation in ^{3}He-A 9—60581
Boznesenskii, V.A. *see* Trushkov, A.I. 9—61615
Bozorgmanesh, H. *see* Elias, E. 9—52852
Bozorgmanesh, H. *see* Gozani, T. 9—52848, 9—93721
Bozovic, I.B., Dzambazovski, M., Vujicic, M., Herbut, F. Symmetry adapted bases and selection rules for polymer molecules 9—55010
Bozovic, I.B. *see* Dzambazovski, M. 9—55011
Bozyan, E.P. Position coincidence optical identifications using Texas Interferometer radio positions 9—88753
Braak, H.P.van de *see* van de Braak, H.P.
Braat, J.J.M., Greve, P.F. Aplanatic optical system containing two aspheric surfaces 9—81500
Brabb, E.E., Borcherdt, R.D., Herd, D.G., Gibbs, J.F., Fumal, T.E., Archuleta, R.J., Joyner, W.B., Boone, D.M., Youd, T.L., Tinsley, J.C., Perkins, D.M., King, E.J., Preston, R.F., Keefer, D.K., Wieczorek, G.F., Harp, E.L., Tuel, D.H., Algermissen, S.T., Steinbrugge, K.V., Kockelman, W.J., Perkins, J.B. Progress on seismic zonation in the San Francisco Bay region 9—88273
Brabers, V.A.M. *see* Kuipers, A.J.M. 9—95455
Braby, L.A., Nelson, J.M. Use of high dose rate electron beams to study cellular repair mechanisms 9—53195
Bracale, M., Caiazzo, M., Petraccaro, F. On-line evaluation of the muscle transfer function—a possible test for rehabilitation purposes 9—57637
Bracci, L., Fiorentini, G. Meson transfer to atoms and molecules 9—55007
Bracci, L., Fiorentini, G., Pitzurra, O. Protonium formation in flight 9—85319
Bracco, F.V. *see* Reitz, R.D. 9—68777
Bracconi, P., Gallagher, P.K. Phase diagram of a nickel-zinc ferrite of composition $Ni_{0.685}Zn_{0.177}Fe_{2.138}O_{4+\gamma}$ 9—78945
Brace, L. *see* Samir, U. 9—53647
Brace, L.H., Taylor, H.A., Jr., Cloutier, P.A., Daniell, R.E., Jr., Nagy, A.F. On the configuration of the nightside Venus ionopause 9—80256
Brace, L.H. *see* Cravens, T.E. 9—75127
Brace, L.H. *see* Gombosi, T. 9—80257
Brace, L.H. *see* Moshupi, M.C. 9—70910
Brace, L.H. *see* Samir, U. 9—62667
Brace, L.H. *see* Taylor, W.W.L. 9—70979
Brace, L.H. *see* Torr, D.G. 9—96856
Brace, R.C. *see* Quicke, D.L.J. 9—84035
Bracewell, R.N., MacPhie, R.H. Searching for nonsolar planets 9—53737
Brachet, A. *see* Robin, M.G. 9—97789
Brachet, M.E., Tirapegui, E. Functional integral and operator formalisms for a modified Langevin equation 9—63152
Brack, M., Dillig, M. Study of the finite range structure of the πNN and πNΔ vertices 9—85370
Brack, M. *see* Dillig, M. 9—67552
Brack, M. *see* Maxwell, O.V. 9—85510
Bracken, A.J., Bass, L. Statistical mechanics of hepatic elimination 9—96503
Bracker, S. *see* Barsotti, E. 9—49919
Bradaczek, H., Denzer, P., Labischinski, H. Image-digitising system for computer input of structure models 9—50939
Bradaczek, H., Denzer, P., Labischinski, H. An inexpensive structure-model digitizing device 9—60213
Bradamante, F. *see* Fidecaro, G. 9—85343
Bradburn, G.R., Armstrong, R.A., Davis, S.J. Radiative lifetime of the $A^2\Sigma^+$ state of SnF 9—98156
Bradbury, E.M. *see* Pivcova, H. 9—69737
Bradbury, J. *see* Paciotti, M. 9—79629
Bradbury, J.N. Biomedical applications of medium energy particle beams of LAMPE 9—53216
Bradbury, J.N. *see* Leon, M. 9—76534
Bradbury, L.J.S. The autocorrelation obtained in laminar flow from a photon correlation laser doppler anemometer with comments on turbulence measurements in low intensity flows 9—50826
Bradbury, M.H., Ohse, R.W. High temperature vapor pressure of pure plutonium 9—55880
Bradbury, S. Microscopical image analysis: problems and approaches 9—80725
Bradbury, T.A.M. Weather conditions for long gliding flights over England 9—58048
Braddick, O. *see* Howland, H.C. 9—62242
Bradeanu, D. An explicit method with finite differences for the calculation of the incompressible temperature boundary layer (von Mises variables) 9—80448
Braden, M. Polymers and polymer science in dentistry 9—83435
Bradfield, J.S. *see* Barnes, W.H. 9—92396
Bradfield, W.A. Comet Bradfield (1979c) 9—75158
Bradford, E.B. *see* Langley, K.H. 9—66365
Bradford, H.M. Propagation of a step in the amplitude or envelope of a pulse or wave packet 9—97137
Bradford, J.N. A distribution function for ion track lengths in rectangular volumes 9—85872
Bradford, R.S., Jr. *see* Long, W.H., Jr. 9—59680
Bradford Thompson, H. *see* Edwards, J.G. 9—49214
Bradii, A.G. *see* Krapivin, M.I. 9—76094
Bradley, D.J. Recent developments in picosecond photochronoscopy 9—76734
Bradley, D.J. *see* Burkholder, H.C. 9—49714
Bradley, E.B. *see* Stencel, J.M. 9—73912
Bradley, E.F. *see* Sheih, C.M. 9—68688, 9—70476
Bradley, E.R., Cunningham, M.E., Hann, C.R., Lanning, D.D., Williford, R.E. In-pile measurements of fission gas release from UO_2 fuels 9—93697
Bradley, G.A. *see* Ulaby, F.T. 9—62534
Bradley, J.A. *see* Tsang, J.C. 9—98111
Bradley, J.S. *see* Vaskor, J.G. 9—81618

Bradley, L.E., Sites, J.R. Silicon nitride layers on gallium arsenide by low-energy ion beam sputtering 9—78882
Bradley, N.J. Connecting optical fibres—making light work 9—68439
Bradley, P. *see* Brotherton, S.D. 9—82542
Bradley, P.A. Developments in techniques for predicting HF sky-wave field strengths 9—58132
Bradley, R. *see* Hill, A.C. 9—90695
Bradley, R.A. *see* Johnson, D.R. 9—89483
Bradley, R.B. *see* Switzer, G.L. 9—85964
Bradley Moore, C. *see* Douglas, D.J. 9—50117
Bradner, H. *see* Sulak, L. 9—59317
Bradshaw, A. Calculation of the potential temperature of seawater from the effect of pressure on entropy 9—74897
Bradshaw, A. Advances in silicon charged-particle detectors 9—93886
Bradshaw, A.M., Scheffler, M. Lateral interactions in adsorbed layers 9—77904
Bradshaw, A.M. *see* Batra, I. 9—95463
Bradshaw, A.M. *see* Hofmann, P. 9—60635
Bradshaw, A.M. *see* Horn, K. 9—77916, 9—78845
Bradshaw, D.J., Halliday, B.S. A gas foil stripper system for a heavy ion Van de Graaff 9—67988
Bradshaw, D.T., Taylor, O.W., Knief, R.A. Preliminary fuel component price sensitivity analysis of alternative reactor fuel cycles 9—89368
Bradshaw, J. *see* Bower, J. 9—83540
Bradshaw, P. *see* Simonich, J.C. 9—55385
Bradshaw, P. *see* Smits, A.J. 9—90235, 9—90236
Bradt, H., Margon, B. In search of X-ray quasars 9—62930
Bradt, H.V., Doxsey, R.E., Johnston, M.D., Schwartz, D.A., Burkhead, M.S., Dent, W.A., Liller, W., Smith, A.G. 3C 273: X-ray variability, spectrum, and position 9—62929
Bradt, H.V. *see* Johnston, M.D. 9—62933
Bradt, H.V. *see* Markert, T.H. 9—80243
Bradt, R.C. *see* Minford, W.J. 9—78950
Bradt, R.C. *see* Skrovanek, S.D. 9—79084
Brady, A.G. Developments in strong-motion data management 9—62629
Brady, A.H. *see* Cordain, L. 9—70682
Brady, F.P. Status of n-p measurements and phase shift analyses near 50 MeV 9—67595
Brady, F.P. *see* Viggars, D.A. 9—67730
Brady, G.W., Birnbaum, P.S., Moscarello, M.A. The model membrane system. Egg lecithin+-myelin protein (N-2). Effect of solvent density variation on the X-ray scattering 9—57601
Brady, G.W., Birnbaum, P.S., Moscarello, M.A., Papahadjopoulos, D. Liquid diffraction analysis of the model membrane system. Egg lecithin+-myelin protein (N-2) 9—57600
Brady, J.P. *see* Dumpit, F.M. 9—66564
Brady, L.W. *see* Wallner, P.E. 9—88157
Brady, T.J. *see* Kingston, H.M. 9—74557
Brady Moreira, F.G., Fittipaldi, I.P. Coherent potential approximation for randomly diluted uniaxial antiferromagnets: application to $Mn_{1-x}Zn_xF_2$ 9—78388
Braestrup, M.W. *see* Nielsen, M.P. 9—52318
Brafman, O. *see* Vardeny, Z. 9—73272, 9—73929
Braga, E.S. *see* Meneses, E.A. 9—78741
Braga, M. *see* Larsson, S. 9—63913
Braga, M.E. *see* Sousa, J.B. 9—51787, 9—61108, 9—78075
Braga, R.A., O'Brien, G.E., Fink, R.W. An inexpensive pulser for the adjustment of subnanosecond walk in timing circuits 9—76306
Braga, R.A., Wood, J.L., Gowdy, G.M., Fink, R.W. Decay of mass-separated ^{197}Tl (2.83 h) to ^{197}Hg 9—67719
Braga, R.A. *see* Gnada, B.E. 9—81141
Bragagnoli, F., Tonarelli, L., Bandiera, P.G., Casalini, P., Cesari, F., Fronticelli, G., Gradari, L., Mengoli, G., Ghia, G.C., Parodi, L., Ferri, R., Antoni, R., Avanzini, P.G., Valentini, P., Giuliano, F. Problems of designing and testing primary loop components of fast reactors 9—97782
Braganza, C.M. Desorption spectrometric results of the adsorption of deuterium on pyrocarbon, silicon and boron carbide surfaces 9—65330
Brager, H.R., Garner, F.A. The influence of preir-radiation thermal-mechanical treatment on phase stability and swelling in Type 316 stainless steel 9—55792
Bragg, D.A., Fitzgerald, J.W. Cardiac graphic analysis using a microprocessor-based system 9—70665
Bragg, R.H. *see* Saxena, R.R. 9—52246
Bragg, S.L. *see* Jones, K.L. 9—80265
Bragina, G.I., Anfilogov, V.N. Phase relationships in the Na_2O-SiO_2-NaF and Na_2O-SiO_2-NaCl vitreous systems 9—66048
Braginski, A.I. *see* Gavaler, J.R. 9—56099
Braginskiy, S.I. Nearly axially symmetric model of the hydromagnetic dynamo of the Earth 9—62430
Braginskiy, S.I., Fishman, V.M. Electromechanical effects of short-period geomagnetic field variations 9—57847
Braglia, G.L., Bruzzese, R., Caraffini, G.L. An analysis on the electron motion in the laser mixture CO_2-N_2-He-CO 9—64199
Brago Rego, G. On Euler's theorem on rigid-body motion 9—62964
Braguier, M. *see* Tueta, R. 9—70025
Braham, H.W., Sacher, G.A. Metabolic and thermoregulatory effects of acute ^{60}Co radiation in myomorph rodents 9—88134
Brahic, A. Pluto and its satellite 9—70994
Brahme, A. *see* Nilsson, B. 9—92380
Brahy, N. *see* Debauche, M. 9—97884
Braicheva, N.A. *see* Shcherban', A.N. 9—68548
Braicovich, L. *see* Abbati, I. 9—91563, 9—100296
Braid, T.H., Gemmell, D.S., Holland, R.E., Pietsch, W.J., Ratkowski, A.J., Schiffer, J.P., Wangler, T.P., Worthington, J.N., Zeidman, B., Morris, C.L., Thiessen, H.A. Channeling of positive and negative pions in a silicon crystal 9—60414
Braida, L.D. *see* Reed, C.M. 9—96587
Braile, L.W. Comparison of four random to grid methods 9—62596
Braillon, B. *see* Lozach, R. 9—50046
Brailsford, A.D. The vacancy dislocation loop microstructure formed during heavy-particle bombardment 9—99250
Braim, S.P., Sambles, J.R., Cousins, J.E., Van Meijel, J., Stesmans, A., Witters, J. Frequency and surface effects on the CESR of silver, sodium and copper 9—51856
Braim, S.P. *see* Stesmans, A. 9—87318
Brain, J.D. *see* Cohen, D. 9—74713
Brain, T.J.S., Reid, J. Primary calibrations of critical flow venturi nozzles in high-pressure gas 9—68844
Brainard, G., Albert, E., DeSantis, M., Postow, E., Parker, J. The effects of low power density microwaves on rat hypothalamic temperatures 9—96619
Brainard, J.P., Andrews, L.A. Dielectric stimulated arcs in lighting-arrestor connectors 9—99013
Brainin, G.E., Driban, V.A., Likhachev, V.A. Crystal geometry of the inheritance of dislocations during martensitic transformations 9—52211
Brainin, Yu.I. *see* Bobrov, S.T. 9—98324
Braitenberg, C. *see* Braitenberg, V. 9—100601
Braitenberg, V., Braitenberg, C. Geometry of orientation columns in the visual cortex 9—100601
Braitenberg, V. *see* Palm, G. 9—74625
Braithwaite, N.St.J., Cooke, M.J. A survey of the high frequency effects associated with the lightning discharge 9—88456
Braithwaite, W.J. *see* Boudrie, R.L. 9—85540
Braithwaite, W.J. *see* Boyer, K.G. 9—85539
Braithwaite, W.J. *see* Cottingame, W.B. 9—85364, 9—85535
Braithwaite, W.J. *see* Morris, C.L. 9—93505
Brako, R. Dielectric and optical properties of composite media 9—51507
Brako, R. Optical properties of composite media 9—56753
Bralley, R.C. *see* Bull, G.L. 9—70560
Bralley, R.C. *see* McDonald, W.E. 9—83804
Braman, R.S., Tompkins, M.A. Separation and determination of nanogram amounts of inorganic tin and methyltin compounds in the environment 9—79416
Bramanti, M. *see* Bedini, L. 9—70602
Brambley, R.J. *see* Baird, P.E.G. 9—50154
Bramhall, P. *see* Gilman, S. 9—61964
Bramon, A., Cornet, F. Contact terms in EM decays of mesons 9—63481
Branco, G.C., Nilles, H.P. Multileptons and the structure of weak decays of bottom mesons 9—54319
Branco, G.C., Nilles, H.P., Streng, K.H. Associated production of heavy quark flavor in e^+e^- annihilation 9—85267
Brand, G.F. *see* Walsh, C.J. 9—98988
Brand, H., Dorfle, M., Graham, R. Hydrodynamic parameters and correlation functions of superfluid ^{3}He 9—82406
Brand, J.A.G.M.Van den *see* Van den Brand, J.A.G.M.
Brand, J.C.D., Chiu, P.H. Spin-orbit-induced transitions in the laser-excited fluorescence of nitrogen dioxide 9—64030
Brand, J.C.D., Chiu, P.-H., Hoy, A.R. Laser fluorescence and high vibrational levels of $^{15}NO_2$ 9—72343
Brand, J.C.D. *see* Vasudev, R. 9—59519
Brand, K., Brun, G. A digital teslameter 9—63287
Brand, K. *see* Trautvetter, H.P. 9—59287
Brand, K.P., Kopainsky, J. Breakdown field strength of unitary attaching gases and gas mixtures 9—55445
Brand, R.A., Georges-Gibert, H., Kovacic, C. Kondo effect and RKKY coupling in PdH_x (α') Fe 9—61054
Brand, R.S. Refraction of sound by the wind 9—72743
Brand, S., Jaros, M. The binding of electrons by nitrogen pairs in GaP 9—90990
Brand, S. *see* Jaros, M. 9—73465
Brand, S. *see* Rodriguez, C.O. 9—73469
Brandao, D.E. *see* Kunzler, J.V. 9—91020
Brandas, E.J., Dunne, L.J. Coherent states of biological macromolecules and the molecular basis of vision 9—79472
Brandas, E.J. *see* Dunne, L.J. 9—69624
Brandau, E., Kohler, L. Water and hydrogen content in LWR oxide fuels and boron carbide 9—49808
Brandaurdi, G. *see* Giacconi, R. 9—70941
Brandeberry, F.E. *see* Hardek, T.W. 9—67998
Brandeberry, F.E. *see* Parker, E.F. 9—72054
Brandeis, C., Greschner, J., Kempf, J., Schmid, G.E. Determination of doping profiles by means of SIMS analysis 9—77618
Brandelik, A. *see* Bauer, W. 9—72140
Brandelik, A. *see* Citron, A. 9—72006
Brandelik, R., Braunschweig, W., Gather, K., Jaax, B., Kadansky, V., Lubelsmeyer, K., Martyn, H.-U., Peise, G., Rimkus, J., Sander, H.G., Schmitz, D., Schultz Von Dratzig, A., Trines, D., Wallraff, W., Boerner, H., Fischer, H.M., Hartmann, H., Hilger, E., Hillen, W., Knop, G., Korbach, W., Lohr, B., Roth, F., Ruhmer, W., Wedemeyer, R., Wermes, N., Wollstadt, M., Buhring, R., Heyland, D., Hultschig, H., Joos, P., Koch, W., Kotz, U., Kowalski, H., Ladage, A., Luke, D., Lynch, H.L., Mikenberg, G., Notz, D., Pyrlik, J., Riethmuller, R., Schliwa, M., Soding, P., Wiik, B.H., Wolf, G., Fohrmann, R., Poelz, G., Ringel, J., Romer, O., Rusch, R., Schmuser, P., Binnie, D.M., Dornan, P.J., Downie, N.A., Garbutt, D.A., Jones, W.G., Lloyd, S.L., Pandoulas, D., Youngman, C., Barlow, R.J., Cashmore, R.J., Illingworth, J., Ogg, M., Salmon, G.L., Bell, K.W., Chinowsky, W., Foster, B., Hart, J.C., Proudfoot, J., Quarrie, D.R., Saxon, D.H., Woodworth, P.L., Eisenberg, Y., Karshon, U., Kogan, E., Revel, D., Ronat, E., Shapira, A., Freeman, J., Lecomte, P., Meyer, T., Sau Lan Wu, Zobernig, G. Properties of hadron final states in e^+e^- annihilation at 13 GeV and 17 GeV center of mass energies 9—63491
Brandelik, R., Braunschweig, W., Gather, K., Kadansky, V., Lubelsmeyer, K., Mattig, P., Martyn, H.-U., Peise, G., Rimkus, J., Sander, H.G., Schmitz, D., Schultz von Dratzig, A., Trines, D., Wallraff, W., Boerner, H., Fischer, H.M., Hartmann, H., Hilger, E., Hillen, W., Knop, G., Korbach, W., Leu, P., Lohr, B., Roth, F., Ruhmer, W., Wedemeyer, R., Wermes, N., Wollstadt, M., Buhring, R., Fohrmann, R., Heyland, D., Hultschig, H., Joos, P., Koch, W., Kotz, U., Kowalski, H., Ladage, A., Luke, D., Lynch, H.L., Mikenberg, G., Notz, D., Pyrlik, J., Riethmuller, R., Schliwa, M., Soding, P., Wiik, B.H., Wolf, G., Holder, M., Poelz, G., Ringel, J., Romer, O., Rusch, R., Schmuser, P., Binnie, D.M., Dornan, P.J., Downie, N.A., Garbutt, D.A., Jones, W.G., Lloyd, S.L., Pandoulas, D., Pevsner, A., Sedgebeer, J., Yarker, S., Youngman, C., Barlow, R.J., Cashmore, R.J., Illingworth, J., Ogg, M., Salmon, G.L., Bell, K.W., Chinowsky, W., Foster, B., Hart, J.C., Proudfoot, J., Quarrie, D.R., Saxon, D.H., Woodworth, P.L., Eisenberg, Y., Karshon, U., Kogan, E., Revel, D., Ronat, E., Shapira, A., Freeman, J., Lecomte, P., Meyer, T., Wu, S.L., Zobernig, G. Evidence for planar events in e^+e^- annihilation at high energies 9—93441
Brandemuehl, M.J., Beckman, W.A. Economic evaluation and optimization of solar heating systems 9—57444
Brandenberger, J.R. Measurement of g-factors in neon by quantum beat spectroscopy 9—93955
Brandenburg, G.W. *see* Cutts, D. 9—85346
Brandenburg, W. Spectral analysis using prediction methods 9—55268
Brandenburger, J.L. *see* Eakin, R.M. 9—53103
Brander, J.L. *see* Mason, R.G. 9—79728
Brandestini, M.A., Forster, F.K. Blood flow imaging using a discrete-time frequency meter 9—57704
Brandestini, M.A. *see* Forster, F.K. 9—92314
Brandhorst, H.W. *see* Weizer, V.G. 9—92078
Brandi, H.S., Koiller, B., Lins de Barros, H.G.P. Electron-hydrogen-atom collisions in the presence of a laser field: Born-Oppenheimer approximation 9—54973
Brandi, H.S. *see* Koiller, B. 9—65406
Brandie, G.W. *see* Palimaka, J.J. 9—92880
Brandin, A.B. *see* Altarev, I.S. 9—75775
Brandl, H. On the history of the unit compressibility law 9—77325
Brandle, H. *see* Minehart, R. 9—76032
Brandle, H. *see* Truttmann, P. 9—54429
Brandoli, V. *see* Cecchetti, E. 9—100709
Brandon, D.G. *see* Talianker, M. 9—57568
Brandon, G. *see* Righetti, A. 9—70631
Brandon, J.K., Hwang Su Kim, Pearson, W.B. The crystallographic analysis of $InMn_3$, a new form of γ-brass structure with a P cell 9—99116
Brandow, B.H. Formal theory of effective π-electron Hamiltonians 9—59333
Brandstatter, F. *see* Stuhl, J. 9—100175
Brandstetter, A. *see* Lanxner, M. 9—52952
Brandt, D., Halg, W., Mennig, J. Solution of the neutron transport equation by means of Hermite-S_∞-theory 9—97746
Brandt, D. *see* Bly, S.H.P. 9—100336

Brandt, E.H. On neutron scattering from an imperfect flux-line lattice 9−56474
Brandt, E.H. Review on recent works on vortices in superconductors 9−65624
Brandt, E.H. The field lines of intersecting flux lines in type-II superconductors 9−69641
Brandt, G. *see* Bettini, M. 9−56081
Brandt, H.E. *see* Bromborsky, A. 9−76235, 9−98928
Brandt, H.-W., Meissner, E., Steudel, A. Isotope shifts in Sm II and changes in mean-square nuclear charge radii of the stable even Sm isotopes 9−67647
Brandt, J. T-invariant static Yang-Mills equations 9−71638
Brandt, N.B., Bogdanov, E.V., Kulbachinsky, V.A., Minina, N.Ya. Variation of the energy spectrum of bismuth, antimony and their alloys under strong uniaxial tension 9−73432
Brandt, N.B., Joon, E.R., Chudinov, S.M. Kondo effect in InSb and GaAs doped with nonmagnetic impurities (Te) 9−61053
Brandt, N.B., Kotosonov, A.S., Kuvshinnikov, S.V., Semenov, M.V. Increasing the diamagnetic susceptibility of pyrocarbon 9−82752
Brandt, N.B., Moshalkov, V.V., Chudinov, S.M. The change of the connectivity of Bi elctron Fermi surface under pressure 9−73431
Brandt, N.B., Ponomarev, Ya.G., Skipetrov, E.P. Carrier-density dependence of the cyclotron mass in PbSe and $Pb_{1-x}Sn_xSe$ alloys 9−73533
Brandt, N.B. *see* Akimov, B.A. 9−65382
Brandt, P. *see* Grec, G. 9−101130
Brandt, R.A., Neri, F., Zwanziger, D. Lorentz invariance from classical particle paths in quantum field theory of electric and magnetic charge 9−49431
Brandt, R.A., Primack, J.R. The spin statistics connection for dyons 9−54248
Brandt, R.G. *see* Zickendraht, W. 9−80923
Brandt, S. *see* Berger, C. 9−49519
Brandt, W., Arista, N.R. Diffusion heating and cooling of positrons in constrained media 9−87523
Brandt, W., Lapicki, G. L-shell Coulomb ionization by heavy charged particles 9−94073
Branduardi, G., Dupree, A.K., Sanford, P.W., Pollard, G.S.G. Search for short time-scale periodicity in the X-ray flux of 4U 1700−37 9−71157
Brandus, L. Calculation of the ionization energy 9−59382
Brandvold, G.E. Vertical axis wind turbine status 9−70420
Brandvold, G.E. *see* Otts, J.V. 9−62113
Branellec, D. The processing of B and W pictures in colour 9−81370
Branford, D. Comment on recent results for ^{40}Ca giant resonances obtained from the $^{40}Ca(^3He,^3He')^{40}Ca^*\rightarrow{}^{36}Ar+\alpha$ reaction 9−93479
Branford, D. *see* Flowers, A.G. 9−85459
Branford, D. *see* McGeorge, J.C. 9−93672
Branford, D. *see* Pringle, J.S. 9−89296
Brankov, J.G., Tonchev, N.S., Zagrebnov, V.A. On a class of exactly soluble statistical mechanical models with nonpolynomial interactions 9−63124
Brannen, J.M. *see* Mackinnon, D.J. 9−56090, 9−56091
Branover, H., Hunt, J.C.R., Proctor, M.R.E., Pierson, E.S. Magnetohydrodynamic flows and turbulence: a report on the second Bat-Sheva seminar 9−60070
Bransden, B.H., Noble, C.J. Differential cross sections for excitation of atomic hydrogen by protons 9−59547
Bransden, B.H. *see* Smith, J.J. 9−59582
Bransier, J. Periodic storage by latent heat on the fundamental aspects of the kinetics of transfers 9−68550
Branson, B.M. *see* Williams, C.C. 9−96663
Branson, J.G., McDonald, K.T., Sanders, G.H., Smith, A.J.S., Thaler, J.J., Anderson, K.J., Henry, G.G., Pilcher, J.E., Rosenberg, E.I. Limits on the hadronic production of D(1865) charmed mesons 9−89211
Branson, J.G. *see* Barber, D. 9−54289, 9−54346
Branson, J.G. *see* Barber, D.P. 9−89175, 9−97631
Brar, B.S. *see* Rao, A.L.J. 9−57326
Bras, G.Le *see* Le Bras, G.
Bras, J. *see* Levade, C. 9−99204
Bras, N., Bousquet, C. Spectral profile of the mercury 1849 Å absorption line perturbed by noble gases. Hg-Xe interaction potentials derived from temperature effect 9−98033
Bras, R.L., Colon, R. Time-averaged areal mean of precipitation: estimation and network design 9−79901
Brasem, P. *see* Verhaart, G.J. 9−54976
Brasen, D. *see* Mahajan, S. 9−79025
Brasier, C.W. *see* Roberds, D.W. 9−80673
Braski, D.N., Leitnaker, J.M. Homogenization of Ti-Hastelloy-N 9→61606
Braski, D.N., Schroeder, H., Ullmaier, H. The effect of tensile stress on the growth of helium bubbles in Fe-20 Cr-18 Ni at 1023K 9−55796
Braski, D.N., Schroeder, H., Ullmaier, H. The effect of tensile stress on the growth of helium bubbles in austenitic stainless steel 9−87684
Braslavskaya, M.V. *see* Baranov, V.K. 9−72659
Brass, S.G., Reed, D.A., Ehrlich, G. Vibrational excitation and surface reactivity: an examination of the ν_3 and $2\nu_3$ modes of CH_4 9−73393
Brassard, C. Liquid ionization detectors 9−68152
Brasser, L.J. Measuring particulate air pollution 9−70502
Brasser, L.J. The study of gaseous air pollution 9−83674
Brasser, L.J. *see* Schneider, T. *(editor)* 9−79444
Brasseur, G. Long term effect on the ozone layer of nitrogen oxides produced by thermonulcear explosions in the atmosphere 9−84345
Brasseur, G., Bertin, M. The action of chlorine on the ozone layer as given by a zonally averaged two-dimensional model 9−84435
Brassington, D.J. *see* Adrain, R.S. 9−57556
Bratanov, K.T., Efremova, V., Doycheva, M.G., Somlev, B.P., Tornyov, A.P. Effect of kallikrein on the motility of bull and ram spermatozoa after deep freezing 9−66463
Bratashevskii, A.S., Gorbenko, V.G., Derebchinskii, A.I., Derkach, A.Ya., Zhebrovskii, Yu.V., Zybalov, A.A., Karnaukhov, I.M., Kolesnikov, L.Ya., Konovalov, O.G., Lukhanin, A.A., Rubashkin, A.L., Sorokin, P.V., Sporov, E.A., Tenishev, A.E. Measuring $P_{x'}$, $P_{y'}$ and $P_{z'}$-components of proton polarisation vector in $\gamma p\rightarrow\pi^0 p$ reaction 9−85305
Bratashevskii, Yu.A., Prozorovskii, V.D., Kharionovskii, Yu.S. Study of the energy spectrum of basic electrons in $Pb_{1-x}Sn_xTe$ in the vicinity of the magnetic phase transition 9−90955
Bratenahl, A. *see* Baum, P.J. 9−75185
Bratescu, G.G., Toader, E.I. Electronic multiplication in a plasma with nonuniform electric field 9−86559
Bratescu, G.G., Zamfir, E., Maris, Z. Ellipsometric determination of microroughness of mirror substrates and its influence on laser cavities 9−59791
Bratina, W.J., McNiece, G., Pilliar, R.M. Failure analysis of stainless steel surgical implants 9−79686
Bratis, J.C. *see* Zeuch, W.R. 9−85665
Bratman, V.L., Ginzburg, N.S., Petelin, M.I. Nonlinear theory of stimulated scattering of waves by relativistic electron beams 9−60157
Bratman, V.L., Ginzburg, N.S., Petelin, M.I. Common properties of free electron lasers 9−98331
Bratos, S. *see* Guillot, B. 9−50971
Bratsykhin, V.M. *see* Pugachev, A.T. 9−82689
Bratt, Z. *see* Ari-Gur, P. 9−91691
Bratter, P., Busse, H., Scheiba, M., Wobig, D. Determination of the Tl-Se phase diagram in the range from 73 to 100 atomic per cent selenium 9−96018
Bratter, R.L., Masters, B., Schmeckenbecher, A.F. Nondestructive test for determining thickness of a plated layer 9−96244
Bratty, P.J.A. *see* Boyd, D.C. 9−83960
Bratu, C., Ciocan, N. Studies on the solidification of castings by electrical modelling method 9−74142
Bratus', V.Ya., Zaritskii, I.M., Pekar', G.S., Shanina, B.D. Angular dependence of the spin-lattice relaxation of $CdS:Mn^{2+}$ 9−73807
Brau, A. *see* Farges, J.P. 9−56205
Brau, C.A. Rare gas halogen excimers 9−81418
Brau, J.E. *see* Brick, D. 9−58980
Braude, I.S., Rogozyanskaya, L.M. X-ray and optical investigations of the formation and interaction of point defects formed as a result of irradiation and doping of KCl 9−65078
Braude, L.M. *see* Godovskii, Yu.K. 9−55895
Braude, S.Ya., Megn, A.V., Sokolov, K.P., Sharykin, N.K. Decametric survey of discrete sources in the northern sky. VI. Spectra of discrete sources in the range 10 to 1400 MHz, for declinations 0° to +10° 9−97092
Braude, S.Ya., Megn, A.V., Sokolov, K.P., Tkachenko, A.P., Sharkykin, N.K. Decametric survey of discrete sources in the northern sky. V. Source Catalogue in the range of declinations 0° to +10° 9−97091
Brauer, F.P. *see* Fager, J.E. 9−81069
Brauer, H. The nonlinear dynamo problem: small oscillatory solutions in a strongly simplified model 9−101133
Brauer, H. *see* Sucker, D. 9−72961
Brauer, P. Phase diagrams of $(NH_4, M)X$ and $(ND_4, M)X$ with M=Tl, Rb or Cs and X=Cl or Br 9−83185
Brauer, P. Adsorption on heterogeneous surfaces. IV. A simple heterogeneous solid surface reflected in thermodynamic quantities of the multi-layer adsorption 9−95267
Brauer, P. *see* Berndt, W. 9−90891
Brauer, R.W., Beaver, R.W., Lahser, S., McCall, R.D., Venters, R. Comparative physiology of the high-pressure neurological syndrome−compression rate effects 9−88070
Braum, P.A., Dvornikov, I.V., Labzovskii, L.N. Oxygen molecule in a strong magnetic field 9−50078
Brauman, J.I. *see* Janousek, B.K. 9−98166
Brauman, J.I. *see* Rosenfeld, R.N. 9−94043
Braun, A., Yahel, R. The structure and evolution of a slow deflagration front propagating into a degenerate star 9−84790
Braun, A. *see* Auweter, H. 9−83032
Braun, C., Peck, S., Richels, R. A decision analysis of alternative synthetic fuel programs 9−83548
Braun, D., Frohn, A. Heat transfer in binary mixtures of monatomic gases for high-temperature differences and for a large Knudsen number range 9−94459
Braun, G. *see* Berzen, J. 9−84001
Braun, G. *see* Bockisch, A. 9−63851
Braun, H., Fridman, A., Gerber, J.-P., Johnstad, H., Juillot, P., Maurer, G., Michalon, A., Michalon-Mentzer, M.-E., Voltolini, C., Leopold, M., Siemiarczuk, T., Sobczak, T., Stepaniak, J., Zielinski, P. Double inelastic interactions in $\bar{p}d$ collisions in the 1.6-4.3 GeV/c incident $\bar{p}$ momentum range 9−58969
Braun, H., Fridman, A., Gerber, J.-P., Juillot, P., Kurtz, N., Maurer, G., Michalon, A., Michalon-Mentzer, M.-E., Voltolini, C. Resonance production and transverse spectra in $\bar{p}n$ annihilations at 5.55 GeV/c 9−93450
Braun, H. *see* Muller, P. 9−56348
Braun, H.J. *see* Burke, W.J. 9−101015
Braun, M. Physics of X-ray tubes for CT scanners 9−66537
Braun, M. Electrolysis of water−the basis of a future hydrogen based economy 9−79410
Braun, M. Electrolysis of water: new prospects for production of hydrogen 9−100543
Braun, M. *see* Mladenov, G.M. 9−91553
Braun, P.A. WKB method for three-term recursion relations and quasienergies of an anharmonic oscillator 9−97257
Braun, P.A., Miroshnichenko, G.P. Analysis of vibrational level populations by the quasi-energy method 9−98067
Braun, S.G. Acoustic signature analysis and time domain techniques for detecting flaws in rotating machinery 9−50525
Braun, T.B., Elliott, J.F., Flemings, M.C. The clustering of alumina inclusions 9−83205
Braun, W., Meyer-Ehmsen, G., Neumann, M., Schwarz, E. Observation of nonuniform attenuation of d-band photoemission due to chemisorption: CO on Re(0001) 9−74060
Braun, W., Tsang, W. Mechanism of high intensity IR photodecomposition of molecules 9−52716
Braun, W. *see* Kurylo, M.J. 9−52673
Braun, W. *see* Manning, R.G. 9−66288
Braun, W. *see* Kurylo, M.J. *(editor)* 9−52709
Braun-Munzinger, P. *see* Egelhof, P. 9−67737
Braundmeier, A.J., Jr. *see* Blattner, R.J. 9−91557
Braune, W., Schneider, W., Lebech, J., Saermark, K. Magnetoplasma waves in bismuth and semimetallic BiSb alloys at microwave frequencies 9 to 100 GHz 9−78127
Braune, W. *see* Jung, T. 9−51469, 9−60680
Braunecker, B., Hauck, R., Lohmann, A.W. Optical character recognition based on nonredundant correlation measurements 9−94162
Brauner, J. *see* Saar, D. 9−56717
Brauninger, H. *see* Predehl, P. 9−98466
Braunlich, G. Solar swimming pool heating and its use for space heating with heat-pumps 9−57413
Braunlich, P. *see* Doering, D.L. 9−91829
Braunlich, P. *see* Kelly, P. 9−95708
Braunlich, P.F. *see* Larson, L.A. 9−78856
Braunsberger, U. *see* Ueno, I. 9−77427
Braunsburger, S., Schnittler, C. A linear response theory of electrochemical multi-step electrodes close to equilibrium 9−61863
Braunschweig, D. The use of liquid nitrogen in industry 9−58709
Braunschweig, W. *see* Brandelik, R. 9−63491, 9−93441
Braunsfurth, E. *see* Celnik, W. 9−75273
Braunshtein, A.E. *see* Volkova, G.A. 9−57577
Braunshtein, D., Tannhauser, D.S. A sample holder for fuel cell measurements at high temperature 9−88928
Braunstein, M. *see* Rudisill, J.E. 9−64262
Braunstein, R. *see* Berezdivin, R. 9−59870
Brautigam, W., Herschbach, M., Kennepohl, K., Reich, J. Beam phase detection with a fixed intermediate frequency system at JULIC 9−54711
Brautti, G. *see* Boscolo, I. 9−55102
Bravo, M.A.Martin *see* Martin Bravo, M.A.
Bravyi, B.G. *see* Agroskin, V.Ya. 9−94226
Brawer, S.A., Weber, M.J. Observation of fluorescence line narrowing, hole burning, and ion-ion energy transfer in neodymium laser glass 9−89912
Brawuski, J., Pietrzyk, J. RIM-3 relaxator for internal friction measurements 9−94572
Bray, A.J. Maximum below T_c in the energy density fluctuations at fixed wavevector 9−69225
Bray, A.J., Moore, M.A. Replica symmetry and massless modes in spin glasses. II. Non-Ising spins 9−56553

Bray, A.J., Moore, M.A. Evidence for massless modes in the 'solvable model' of a spin glass 9—82790
Bray, A.J., Moore, M.A., Reed, P. Dynamics of Ising spin glasses 9—78406
Bray, C.P. The development of a focus determination for a lens tolerancing computer program 9—86240
Bray, D.E. *see* Egle, D.M. 9—91870
Bray, J.W., Chui, S.T. Computer renormalization-group calculations of $2k_F$ and $4k_F$ correlation functions of the one-dimensional Hubbard model 9—78029
Bray, J.W. *see* Bonner, J.C. 9—78394
Bray, J.W. *see* Chui, S.T. 9—73455
Bray, K.N.C. *see* Champion, M. 9—64792
Bray, K.N.C. *see* Melville, W.K. 9—60044
Bray, P.J. *see* Park, M.J. 9—94905
Bray, P.J. *see* Subbarao, S.N. 9—61260
Bray, P.J. *see* Yun, Y.H. 9—87325
Bray, R.J., Loughhead, R.E. Energy: the solar alternative 9—83568
Brayer, G.D. *see* Delbaere, L.T. 9—62178
Brayshaw, D.D. Four-quark model for the mesons 9—54307
Braz, M.A. *see* Strauss, F.M. 9—62888
Brazgovka, A.I., Minkin, S.B., Nekrasov, S.A., Potershuk, N.P., Ulashchik, V.Ye., Fedorov, B.I. Monitoring instrumentation for a hyperthermia cancer-treatment procedure 9—96716
Brazhkin, Yu.A., Korobov, A.I., Lyamov, V.E. Acoustic streaming in mercury 9—64380
Brazil, L.E., Sanders, T.G., Woolhiser, D.A. Kinematic parameter estimation for transport of pollutants in overland flow 9—52971
Brazis, R.S., Mironas, A.S., Pozela, J.K. The effect of a strong electric field in the propagation of magnetoplasma waves in n-InSb in Faraday geometry 9—65510
Brazis, R.S., Pozela, J.K., Furdyna, J.K. Microwave effects in narrow-gap semiconductors. I 9—82618
Brazis, R.S., Pozela, J.K., Furdyna, J.K. Microwave effects in narrow-gap semiconductors. II 9—95437
Brazovskii, S.A. Metallic screening in a Peierls-Frohlich dielectric with pinning to impurities at finite temperatures 9—56208
Brazovskii, V.E., Lisitsyn, V.N. Spatial structure of superradiance 9—64215
Brazovsky, V.Ye., Lisitsyn, V.N. Spatial-spectral structure of superluminosity in a high-pressure gas discharge 9—55116
Breakwell, J.V., Everitt, C.W.F., Schaechter, D.B., Van Patten, R.A. Geodesy information in a modified relativity mission with two counter-orbiting polar satellites 9—62426
Breaux, H., Evers, W., Sepucha, R., Whitney, C. Algebraic model for CW thermal-blooming effects 9—94303
Breaux, S. *see* Perez, C.A. 9—100745
Brebbia, C.A., Georgiou, P. Combination of boundary and finite elements in elastostatics 9—92941
Brebbia, C.A. *see* Lee, P.C.Y. 9—55295
Brebrick, R.F. Stoichiometry invariants for ternary and quaternary solid solutions with two nearly perfect sublattices 9—51270
Brechna, H., Hwang, C.Y. Hysteretic effects in pulsed superconducting magnets 9—80649
Brechtel, H. *see* Bissem, H.H. 9—54712
Breckenridge, W.H., Blickensderfer, R.P., FitzPatrick, J., Oba, D. Near-resonant electronic energy transfer: initial rotational state populations of $NO(A^2\Sigma^+, v'=0,1)$ produced by energy transfer from $Zn(^1P_1)$ 9—68304
Breckenridge, W.H., Donovan, R.J., Kim Malmin, O. Laser excitation of $Cd(^1P_1)$. Absolute quenching cross sections and branching ratios for the process: $Cd(^1P_1)+M \rightarrow Cd(^3P_J)+M$ 9—49979
Breckinridge, J.B., McAlister, H.A., Robinson, W.G. Kitt Peak speckle camera 9—62745
Brecy, J.P., Duchene, J. A system for internal neutron measurements in pressurized-water reactors 9—76113
Bredehoeft, J.D. *see* Keys, W.S. 9—79767
Bredenkamp, S.H., McLachlan, D.S., Burger, J.P. Superconductivity in isoelectronic alloys of PdH_x 9—56355
Bredikhin, S.I., Shmurak, S.Z. Interaction between charged dislocations and luminescence centers in ZnS crystals 9—56860
Bredikhin, V.I. *see* Bityurin, N.M. 9—64277
Bredl, C.D., Steglich, F., Lohneysen, H.V., Matho, K. Magnetic field dependence of the susceptibility and specific heat in a (La, Gd)Al_2 spin glass 9—61173
Bredl, C.D., Steglich, F., Schmid, W., Umlauf, E. Crystal-field effects in (La, Nd)Sn_3 9—60973
Bredl, C.D. *see* Schmid, W. 9—60958
Bredl, C.D. *see* Umlauf, E. 9—78254
Bredohl, H. *see* Houbrechts, Y. 9—72331
Bree, A., Pai, Y.H.F., Taliani, C. The two-photon excitation spectrum of a dibenzofuran single crystal at 4.2K 9—56807
Bree, E.W.de *see* de Bree, E.W.
Breed, D.W. *see* Dye, J.E. 9—53484
Breed, H.E. *see* Vince, M. 9—93705
Breeding, J.E., Jr. *see* Ichiye, T. 9—70811
Breelle, Y., Chauvel, A., Leprince, P., Meyer, C., Gelin, P., Petit, G. Technico economic study of the use of hydrogen and methanol for road transport 9—74512
Breemen, O.van *see* van Breemen, O.
Breest, H.Ch., Randl, R. On the actinide separation from the high level reprocessing waste 9—85809
Breev, V.V., Minin, S.N., Pirumov, U.G., Shevchenko, V.R. Flow of gas mixtures with vibrational energy relaxation in plane and axisymmetric nozzles 9—64727
Breeva, A.V., Merenkov, Yu.F. A conical MHD channel in the field of a single-phase inductor 9—77280
Breeze, P.A., Hartnagel, H.L. An assessment of the quality of anodic native oxides of GaAs for MOS devices 9—61767
Brefeld, W., Burkert, V., Crone, K.P., von Drachenfels, W., Ehses, E., Hofmann, M., Husmann, D., Knop, G., Muller, M., Paul, W., Schaefer, H.R. Acceleration of polarized electrons in the 2.5 GeV synchrotron at Bonn 9—63826
Brefeld, W., Burkert, V., von Drachenfels, W., Ehses, E., Hofmann, M., Husmann, D., Knop, G., Paul, W., Schaefer, H.R. Acceleration of polarized electrons in the 2.5 GeV synchrotron at Bonn 9—68002
Breford, E.J., Engelke, F. The $a^3\Sigma^+$ state of NaK. High resolution spectroscopy using laser induced fluorescence (LIF) 9—98143
Bregeon, M., Coudray, M., Lhuillier, M. R&D activities of Framatome and CEA on PWR 9—97843
Breger, A.Kh. *see* Markina, M.A. 9—67823, 9—97836
Breger, M. Delta Scuti and related stars 9—62847
Breger, M. I.A.U. archives of unpublished observations of variable stars 1978-79 data 9—88688
Breger, M., Campos, A.J., Roby, S.W. The nature of dwarf Cepheids. IV. DY Herculis 9—58357
Bregestovski, P.D., Miledi, R., Parker, I. Calcium conductance of acetylcholine-induced endplate channels 9—70546
Bregman, J.D. *see* Witteborn, F.C. 9—101113
Bregman, M. *see* Sulak, L. 9—59317
Bregman, T.P. *see* Rabinovich, L.V. 9—52388
Brehm, J.J. *see* Aitchison, I.J.R. 9—71762
Brehm, P., Eckert, R. Calcium entry leads to inactivation of calcium channel in Paramecium 9—79488
Brehm, P.J. *see* McWhirter, J.H. 9—68344
Brehm, W.F. *see* McGuire, J.C. 9—93768
Breidenbach, M. *see* Abrams, G.S. 9—89149, 9—89174
Breidenbach, M. *see* Ferguson, T. 9—63494
Breidenbach, M. *see* Rapidis, P.A. 9—75780
Breido, I.I. Microphotometric granularity of UV-4 photographic film for registering of the vacuum ultraviolet spectral region 9—58833
Brein, R. Some experiments in high precision measurements of small gravity differences to determine vertical gradients of gravity and to investigate recent crustal movements 9—92467
Breinan, E.M. *see* Greenwald, L.E. 9—70085
Breitbach, G. Heat transport in pebble beds with particular consideration of radiation 9—49791
Breitenbach, L. *see* Niki, H. 9—66785
Breitenbach, L.D. *see* Su, F. 9—93994
Breitenecker, M., Thirring, W. Scattering theory in classical dynamics 9—49109
Breitenstein, O., Rheinlander, B. Photo-DLTS. An expansion of the capacitance-transient-spectroscopy using the lock-in-technique 9—65512
Breitenstein, O., Unger, K. Calculation of the broadening of donor-acceptor pair lines due to the potentials of ionized impurities 9—51522
Breiter, M.W., Dunn, B. Potential distribution model for rechargeable sulphur electrodes in sodium-sulphur cells 9—96435
Breitig, D. *see* Van den Cruyce, J.M. 9—93491
Breitling, W., Lehmann, W., Weber, R. Magnetic phase transitions in the 1D Ising antiferromagnet $CsCoCl_3$ 9—51779
Breitmeyer, B.G. Disinhibition in metacontrast masking of vernier acuity targets: sustained channels inhibit transient channels 9—53094
Breitmeyer, B.G. Metacontrast with black and white stimuli: evidence for inhibition of on- and off-sustained activity by either on- or off-transient activity 9—53139
Breitmeyer, B.G., Valberg, A. Local foveal inhibitory effects of global peripheral excitation 9—88076
Breitung, W. Effect of fuel porosity and fuel rod parameters on the radial uranium-plutonium redistribution in reactor fuel rods 9—49799
Brekhovskikh, G.L. *see* Sokolovskaya, A.I. 9—89964
Brekhovskikh, L.M. Acoustics and the ocean 9—64382
Brekke, A. On the relative importance of Joule heating and the Lorentz force in generating atmospheric gravity waves and infrasound waves in the auroral electrojets 9—66866
Breks, J. *see* Klovs, P. 9—82633
Bremer, J. The anomalous scattering of X-ray photons at the K absorption edge of free atoms and molecules, calculated by means of the modified Kramers-Heisenberg dispersion formula 9—89628
Bremer, N., Brown, B.J., Morine, G.H., Willard, J.E. Mercury photosensitized production of trapped radicals in organic glasses at <77K 9—52720
Bremermann, H.J. *see* Milstein, J. 9—92186
Bremner, J.M., Blackmer, A.M. Effects of acetylene and soil water content on emission of nitrous oxide from soils 9—83672
Bremner, J.M. *see* Matthias, A.D. 9—84369
Bremser, W. HOSE—a novel substructure code 9—50001
Brenac, A. *see* Carenco, A. 9—76878
Brendecke, H., Bludau, W. Optical absorption of lithium nitride 9—95796
Brendel, R. Independent fourth-order elastic coefficients for all crystal classes 9—69219
Brener, N.E., Fry, J.L. Time-dependent Hartree-Fock formalism for the dielectric function 9—69448
Brenet, J. Principle of a generalisation of Pourbaix's thermodynamic diagrams 9—96336
Brenet, J. *see* Cong, H.N. 9—83460
Brenet, J. *see* Poillerat, G. 9—77787, 9—77788
Brenguier, J.L. One-dimensional Lagrangian convection model. Application to the simulation of a moist plume from a cooling tower 9—84400
Brenguier, J.L., Isaka, H. Model of one-dimensional Lagrangian convection. I. Thermal isolation model 9—88449
Brenguier, J.L., Isaka, H. Model of one-dimensional Lagrangian convection. II. Application to the simulation of a cooling tower buoyant plume 9—88450
Brenig, L., Horsthemke, W. A stochastic version of the Boltzmann equation for inhomogeneous systems 9—55442
Brenig, L., Van den Broeck, C. Stochastic theory of hydrodynamic systems 9—75476
Brenig, W., Schonhammer, K. Spurious phonon instabilities induced by 'adsorbed particles' 9—90861
Brenig, W. *see* Muller, H. 9—87002
Brenizer, J.S., Jr., Jester, W.A., Jarrett, A.R. Migration of radionuclides in soil 9—54610
Brenkle, H.P. *see* Simpson, R.A. 9—84723
Brennan, J.A., Kneebone, C.H., Jenkins, E. Transfer standards in cryogenic flow measurement 9—68888
Brennan, J.G. *see* McGuire, J.H. 9—86058
Brennan, M.A. *see* Reiser, M. 9—68066
Brennan, W.P., Cassel, R.B. Applications of thermal analysis in the electrical and electronics industries 9—75531
Brennan, W.P. *see* Cassel, B. 9—54128
Brennecke, R., Hahne, H.J., Moldenhauer, K., Bursch, J.H., Heintzen, P.H. Improved digital real-time processing and storage techniques with applications to intravenous contrast angiography 9—70624
Brennen, W., Shuman, M.E. Kinetics of the Langmuir-Rideal mechanism for heterogeneous atom recombination 9—87876
Brennen, W. *see* Taghipour, A. 9—49951
Brenner, A.E. *see* Cutts, D. 9—85346
Brenner, B. The effect of temperature on the dislocation structure around microindentations in iron single crystals 9—52357
Brenner, D. *see* Williamson, S.J. 9—83813
Brenner, D.S. *see* Nelson, D.J. 9—96516
Brenner, H.C. *see* Levinksy, H.B. 9—78503
Brenner, S. *see* Berns, M.W. 9—66599
Brent, R.L. *see* Schlesinger, D.M. 9—88137
Brenton, A.G., Beynon, J.H., Morgan, R.P. Improving the signal-to-noise ratio in mass and ion kinetic energy spectrometers 9—89035
Brenton, A.G. *see* Trott, G.W. 9—88987
Bresesti, M., Girardi, F. Research programme of the CEC joint research centre in the field of chemical separation and nuclear transmutation of actinides 9—85808
Breskin, A., Charpak, G., Majewski, S., Melchart, G., Petersen, G., Sauli, F. The multistep avalanche chamber: a new family of fast, high-rate particle detectors 9—49904
Breskin, A., Chechik, R., Zwang, N. Heavy ion timing with very low pressure MWPCs 9—93884
Bresler, M.S., Gusev, O.B. Cyclotron resonance of the nonlinear optical susceptibility in n-InSb 9—50341
Bresler, M.S., Gusev, O.B. Nonlinear optical susceptibility spin resonance in n-InSb 9—59749
Breslin, A. *see* Angelini, C. 9—67548
Breslin, A. *see* Read, A.L. 9—49510
Breslin, A.J. *see* Guggenheim, S.F. 9—67962
Breslin, J.T. *see* Bergner, R.L. 9—82824, 9—82825
Bressan, D.J., Larson, R.E. The history of air forming various marine fogs off Nova Scotia in August 1975 9—70847
Bressan, J., Wiart, R. Inhibited zinc electrodeposition: electrode kinetics and deposit morphology 9—56089

Bressani, T. *see* Aslanides, E. 9—85481
Bressani, T. *see* Bos, K. 9—85531
Bressani, T. *see* Tran, M.T. 9—93665
Bresse, J.F. *see* Manifacier, J.-C. 9—65945
Bressel, B., Chevalier, B., Etourneau, J., Hagenmuller, P. Czochralski crystal growth of rare earth tetraborides 9—95920
Bresseleers, C., Gavison, R., Harrison, J., Kemeny, G., Norton, J., Rother, H., Van De Voorde, M., Whittle, D. Thermodynamic considerations in the study of the corrosion behavior of heat-resisting alloys and superalloys 9—57161
Bresson, J., Longuemard, J.P. Bottom reflection measured near the sea floor at frequency range 20 to 100 kHz. Correlation between geotechnical and acoustic properties of marine sediments 9—96756
Breteau, P. Measurement of a magnetic field 9—63277
Bretheau-Raynal, F., Dalbiez, J.P., Drifford, M., Blanzat, B. Raman spectroscopic study of thortveitite structure silicates 9—61365
Bretherton, L. *see* Kennard, C.H.L. 9—84910
Brethous, J.-C. *see* Levasseur, A. 9—90823
Bretin, L., Zmudzinski, C., Toitot, M. Optimization of steels likely to be subjected to hydrogen action 9—74259
Bretl, J.L., Cook, R.D. Modelling the load transfer in threaded connections by the finite element method 9—90195
Breton, C., De Michelis, C., Finkenthal, M., Mattioli, M. Vacuum ultraviolet spectroscopic apparatus for space- and time-resolved measurements on a single Tokamak plasma discharge 9—80700
Breton, D. *see* Ullman, A.Z. 9—89497
Breton, J. *see* Glass-Maujean, M. 9—68274
Breton, P.J., Archuletta, M.D. SEM inspection in electronics 9—80723
Bretscher, M.M., Morman, J.A. Integral alpha and point conversion ratio measurements in advanced fuels critical assemblies 9—81012
Bretz, M. Ordering in monolayer helium films on graphite 9—65287
Bretz, M. *see* Polanco, S.E. 9—51386
Bretz, N. *see* Eubank, H. 9—82074
Breuer, B. Gas-tight with recombination [Pb-PbO_2 storage batteries] 9—52921
Breuer, H., Glagola, B.G., Viola, V.E., Wolf, K.L., Mignerey, A.C., Birkelund, J.R., Hilscher, D., Hoover, A.D., Huizenga, J.R., Schroder, W.U., Wilcke, W.W. Nucleon exchange and A/Z equilibration in interactions of 8.3-MeV/amu ^{56}Fe ions with ^{56}Fe, ^{165}Ho, and ^{209}Bi 9—76020
Breuer, H. *see* Doll, P. 9—97656
Breuer, H.F. *see* Hilscher, D. 9—93591, 9—93653
Breun, R.A., Ferron, J.R. Fast ion beam-plasma interaction system 9—77401
Breus, T.K. Venus: review of present understanding of solar wind interaction 9—58288
Breus, T.K. *see* Gringauz, K.I. 9—80259
Breval, E. The effects of prehydration on the liquid hydration of $3CaO.Al_2O_3$ with $CaSO_4.2H_2O$ 9—100354
Brevik, I. Experiments in phenomenological electrodynamics and the electromagnetic energy-momentum tensor 9—55020
Brew, D.A., Ford, A.B. Megalineament in southeastern Alaska marks southwest edge of Coast Range batholithic complex 9—62495
Brewer, D.F. Multilayer adsorbed helium in restricted geometries 9—99391
Brewer, D.F., Dahm, A.J., Hutchins, Truscott, W.S., Williams, D.N. Nucleation of solid ^{4}He in Vycor under pressure: superfluid oscillations near the melting pressure 9—51388
Brewer, G. *see* Newport, R.W. 9—63834
Brewer, H.J. *see* Kiefl, R.F. 9—56679
Brewer, J.H., Spencer, D.P. Quadrupole splitting of muonium precession in single crystal quartz 9—56678
Brewer, J.H. *see* Fleming, D.G. 9—57274
Brewer, J.H. *see* Jean, Y.C. 9—57275
Brewer, J.H. *see* Mikula, R.J. 9—57272
Brewer, J.H. *see* Nishida, N. 9—56664, 9—56687
Brewer, L. *see* Pitzer, K. 9—91984
Brewer, R.G. *see* DeVoe, R.G. 9—64290
Brewer, W. *see* Bures, K. 9—61288
Brewer, W. *see* Wilson, G.V.H. 9—63230
Brewer, W.D. *see* Benoit, A. 9—61171
Brewer, W.S., Pfaender, F.K. The distribution of selected organic molecules in freshwater sediment 9—84331
Brewis, D.M. *see* Briggs, D. 9—66179
Brey, H.L., Olson, H.G. The Fort St. Vrain high temperature gas-cooled reactor. II. Helium circulators 9—67821
Brey, H.L. *see* Olson, H.G. 9—67822
Brey, W.S. *see* Jakobsen, H.J. 9—95682
Breysacher, J. *see* Azzopardi, M. 9—67014, 9—67018
Breysse, M., Claudel, B., Faure, L., Guenin, M. Temperature-programmed desorption and photoluminescence studies of thorium dioxide surface states 9—73399
Brezeanu, M. *see* Muntean, M. 9—73149
Brezin, E., Itzykson, C., Zinn-Justin, J., Zuber, J.-B. Remarks about the existence of non-local charges in two-dimensional models 9—49385
Brezin, E., Zinn-Justin, J. Expansion of the H_2^+ ground state energy in inverse powers of the distance between the two protons 9—97976
Brezin, E. *see* Hikami, S. 9—58862
Brezina, I. New directions in instrumentation for measuring diameters of openings 9—71407
Brezina, P., Sonderegger, B. Heat treatment, structure and properties of the corrosion-resistant martensitic precipitation hardenable steel X5CrNiMoCuNb 145 (14-5 PH) 9—74169
Brezinskii, V.G. *see* Namitokov, K.K. 9—100079
Brezis, H., Lieb, E.H. Long range atomic potentials in Thomas-Fermi theory 9—50101
Brezovich, I.A. *see* Barnes, G.T. 9—70616
Brezzi, F. Finite element approximations of the von Karman equations 9—50598
Briandet, P. *see* Goris, M.L. 9—70625
Brianso, M.-C. *see* Laidoudi, A. 9—99164
Briant, C.L. Hydrogen assisted cracking of type 304 stainless steel 9—52362
Briant, C.L., Banerji, S.K. Phosphorus induced 350°C embrittlement in an ultra high strength steel 9—57099
Briant, C.L., Ritter, A.M. The effect of cold work on the sensitization of 304 stainless steel 9—66071
Briant, J.K. *see* Allen, M.D. 9—67853
Briarty, L.G., Ramsey, R.L. A simple time-lapse unit 9—67405
Briatore, L. Acceleration of supernovae envelopes by pulsar produced radiation 9—62859
Briatore, L., Longhetto, A. The deployment of hydrodynamic models in physical problems: atmospheric circulation and pollution 9—100892
Briaud, J. Automatic range-changing for analogue measurement 9—63262
Bricard, J. *see* El Golli, S. 9—90771
Bricard, J. *see* Gayet, J.-F. 9—53488
Bricaud, B., Faivre, J.C., Pain, J. SAR: a fast computer for CAMAC data acquisition 9—89569
Brice, D.K. *see* Cruz, S.A. 9—77660
Brice, J.C., Cole, A.M. The characterization of synthetic quartz by using infra-red absorption 9—56824
Brice, K.A., Derwent, R.G. Emissions inventory for hydrocarbons in the United Kingdom 9—62158
Brice, K.A. *see* Penkett, S.A. 9—84351
Brick, D., Shapiro, A.M., Widgoff, M., Barreiro, F., Benary, O., Brau, J.E., Hafen, E.S., Hulsizer, R.I., Kistiakowsky, V., Napier, A., Oh, S.H., Pless, I.A., Silverman, J.P., Trepagnier, P.C., Yamamoto, R.K., Kittel, W., Schouten, M., Cohn, H.O., Jacques, P., Stamer, P., Watts, T.L., Brucker, E.B., Koller, E.L., Bugg, W.M., Handler, T. Inclusive and semi-inclusive charge structure in π^-p multiparticle production at 147 GeV/c 9—58980
Brick, V.B., Larikov, L.N., Fal'chenko, V.M. The investigation of self-diffusion in α- and β-titanium 9—86916
Brickman, J. Vibronic coupling via the non-totally symmetric C-H bending mode in pyrazine 9—76403
Brickmann, J. *see* Gerloff, M. 9—72226
Brickmann, J. *see* Nehrkorn, C. 9—73079
Bricknell, R.H. The effect of grain size on the maximum strain rate sensitivity observed in superplastic alloys 9—100227
Bricknell, R.H., Edington, J.W. Textures in a superplastic Al-6Cu-0.3Zr alloy 9—83210
Bricknell, R.H., Edington, J.W. Mechanical anisotropy and deformation mechanisms in an Al-Cu-Zr superplastic alloy 9—83254
Bricknell, R.H., Melton, K.N., Mercier, O. The structure of NiTiCu shape memory alloys 9—82179
Bricmont, J., Lebowitz, J.L., Pfister, C.E. Non-translation invariant Gibbs states with coexisting phases. II. Cluster properties and surface tension 9—49172
Bricmont, J., Lebowitz, J.L., Pfister, C.E., Olivieri, E. Non-translation invariant Gibbs states with coexisting phases. I. Existence of sharp interface for Widom-Rowlinson type lattice models in three dimensions 9—49171
Bride, K.T. The use of closed circuit television as a teaching aid 9—71209
Bridelman, W.P. HR 8752=HD 217476=V509 Cassiopeiae 9—88672
Bridge, H.S. *see* McNutt, R.L., Jr. 9—96957
Bridge, H.S. *see* Shefer, R.E. 9—80258
Bridge, J. *see* Hoffman, E.W. 9—72154
Bridge, M.E., Lambert, R.M. Oxygen chemisorption, surface oxidation, and the oxidation of carbon monoxide on cobalt (0001) 9—60631
Bridge, M.E. *see* Prior, K.A. 9—99402
Bridger, R.D.E.L. Progress in zinc phosphating 9—79147
Bridges, B.J., Charlesby, A., Folland, R. Pulsed NMR studies of the crystallization kinetics of polyethylene from the melt and solution 9—87624
Bridges, F., Zoller, W. High frequency phonon studies of KI:OH^- under uniaxial stress 9—83002
Bridges, J.F. Modifications to the Fermilab booster main ring beam transfer phase lock circuit 9—72073
Bridges, T.J., Burkhardt, E.G., Nguyen, V.T. Study of spin resonance in $Hg_{1-x}Cd_xTe$ by four-photon mixing 9—82873
Bridgewater, J. *see* Cooke, M.H. 9—61666
Bridgman, H.A. Aerosol extinction at 500 nm in urban and rural air at Milwaukee in April 1976 9—100946
Bridgwater, D. *see* Monster, J. 9—92537
Bridgwater, J. *see* Cooke, M.H. 9—96281
Bridle, A.H. *see* Fomalont, E.B. 9—75288
Bridle, A.H. *see* Goodson, R.E. 9—97074
Bridle, A.H. *see* Palimaka, J.J. 9—92880
Bridoux, E. *see* Belannoy, B. 9—98520
Bridoux, E. *see* Delannoy, B. 9—81638
Bridoux, E. *see* Haine, F. 9—86311
Bridoux, E. *see* Nongaillard, B. 9—76922
Bridoux, E. *see* Rouvaen, J.M. 9—99850
Bridoux, M., Grase, F., Dartus, E., Dessaux, O., Goudmand, P. Long contact effect between active nitrogen and carbon monoxide: a spectroscopic study 9—86040
Bridwell, L.B. *see* Knudsen, H. 9—54957
Briedis, I.P., Leitland, V.V. Variation of frequency dependence of the complex modulus during extensional flow 9—55351
Briedis, V.M. *see* Avotin'sh, Yu.E. 9—93202
Briel, U. *see* Giacconi, R. 9—70941
Briel, U. *see* Griffiths, R.E. 9—92864
Briel, U. *see* Schwarz, J. 9—97090
Briere, J. *see* Philippon, B. 9—79656
Brieu, M. *see* Berty, J. 9—90921
Brieva, F.A. Nucleon scattering from nuclei with nuclear matter t-matrices 9—93577
Brieva, F.A. *see* von Geramb, H.V. 9—93546
Brigger, B., Gross, K.C., Lang, M.T. Prooftest of gas tagging for a PWR 9—59222
Briggs, D., Brewis, D.M., Konieczko, M.B. X-ray photoelectron spectroscopy studies of polymer surfaces. III. Flame treatment of polyethylene 9—66179
Briggs, G. *see* James, P.B. 9—84715
Briggs, G.A., Baum, W.A., Barnes, J. Viking orbiter imaging observations of dust in the Martian atmosphere 9—84707
Briggs, J.S., Macek, J.H., Taulbjerg, K. Angular distributions of MO X-ray emission 9—54803
Briggs, J.S., Taulbjerg, K. Charge transfer by a double-scattering mechanism involving target electrons 9—86062
Briggs, J.S. *see* Hodgkinson, D.P. 9—81185
Bright, A.A., Singer, L.S. The electronic and structural characteristics of carbon fibers from mesophase pitch 9—78116
Brignell, J.E. *see* Buffam, C.J. 9—91059
Brignoli, C.A., DeVoe, H. Least-squares computer analysis of dye absorption spectra. Acridine orange dimerization equilibrium 9—50007
Brikenshtein, V.Kh. *see* Benderskii, V.A. 9—65904
Brikenshtein, V.Kh. *see* Filippov, P.G. 9—65924
Brikker, S.I. *see* Somogy, A. 9—80173
Brilingas, A., Grigas, I., Mozgova, M.N. $HgSb_4S_8$ and $FePb_4S_{14}$—semiconductors with high permittivity 9—65518
Brilingas, A., Grigas, J., Bendorius, R. Investigations of crystals belonging to the solid solution Bi_2S_3-$CuPbBi_5S_9$ 9—69511
Brill, J.W., Epstein, A.J., Miller, J.S. Elastic properties of $(N(CH_3)_3H)(I)(TCNQ)$ 9—95072
Brill', O.D. Use of helium scintillation counter in a time-of-flight neutron spectrometer for measurements in the energy interval 0.4-4 MeV 9—68134
Brill, S. *see* Gwiazda, J. 9—53113
Brill, S. *see* Mohindra, I. 9—57642
Brilla, J. A compatible perturbation method in finite elasticity 9—63043
Brillante, A., Philpott, M.R., Pockrand, I. Experimental and theoretical study of exciton surface polaritons on organic crystals. I. (010) face of TCNQ° single crystals 9—91460
Brillante, A., Philpott, M.R., Schlosser, D.W. Exciton transitions in quasi-one-dimensional crystals. 9-Cyanoanthracene 9—91461
Brillet, A. *see* Cachenaut, J. 9—63194
Brimacombe, J.K., Weinberg, F., Hawbolt, E.B. Formation of longitudinal, midface cracks in continuously-cast slabs 9—83315
Brimacombe, J.K. *see* Hawbolt, E.B. 9—83242
Brimblecombe, P. *see* Armstrong, A.C. 9—74976
Brimhall, J.L., Charlot, L.A., Wang, R. Irradiation effects in amorphous and crystalline, sputter-deposited Mo-Ni 9—65128
Brimhall, J.L. *see* Kissinger, H.E. 9—73220
Brimm, J.E., Janson, C.M., O'Hara, M.R., Patitucci, P.J., Peters, R.M. An automated testing system for cardiopulmonary function 9—70673
Brincus, I.M. *see* Abou-Leila, M.A.A. 9—85576
Brindza, P., Flora, R., Kalbfleisch, G., Koepke, K., Kuchnir, M., Limon, P., Richied, D., Rode, C., Stiening, R., Stoy, S., Tool, G. The multiple magnet test program 9—68085
Brindza, P.D., Richied, D.E., Rode, C.H. Energy Doubler refrigeration system 9—72013

Bringans, R.D., Liang, W.Y. Angular dependent electron energy loss measurements on CdI_2 9—95884
Bringer, A., Campagna, M., Feder, R., Gudat, W., Kisker, E., Kulhmann, E. Enhancement of the electron spin polarization in the photoyield of Ni(111) in the vacuum ultraviolet 9—74054
Bringi, V.N. *see* Varadan, V.K. 9—72466
Brings, R. *see* Reich, J. 9—54653
Brinis, E.U. On the third order 'potential tensor' of the Riemann tensor. I 9—49129
Brink, D.J. *see* Hasson, V. 9—89882
Brink, D.M. Theory of heavy-ion reactions 9—71865
Brink, D.M. The imaginary part of the heavy ion optical potential 9—97727
Brink, D.M. *see* Hasan, H. 9—59081
Brink, G.O., Lakkaraju, H.S. Spectral narrowing of a CW dye laser by an intracavity atomic beam of sodium 9—55159
Brink, K.H., Allen, J.S., Smith, R.L. A study of low-frequency fluctuations near the Peru coast 9—79858
Brinkhoff, H.C. Analysis of the nitrate content of surface water and effluent water 9—100476
Brinkhus, H.B., von Walter, P. Dermal-resistance meter with high resolution 9—84031
Brinkman, A.W., McGregor, J. The effect of the ring system on the solar radiation reaching the top of Saturn's atmosphere: direct radiation 9—70992
Brinkman, G.A., Veenboer, J.T. Calibration of well-type NaI (Tl) detectors 9—85858
Brinkman, G.A. *see* De Jong, D. 9—88191
Brinkman, U.A.Th. *see* Ooms, P.C.A. 9—52834
Brinkman, W.F. *see* Anderson, P.W. 9—99387
Brinkmann, G. Solution of stress boundary problems for double curved membranes and thin shells 9—50585
Brinkmann, G. *see* Michel, R. 9—67749
Brinkmeyer, E. Spot size of graded-index single-mode fibers: profile-independent representation and new determination method 9—50380
Brinley, F.J., Jr. *see* Henkart, M.P. 9—83733
Brinson, H.F. *see* Yeow, Y.T. 9—61713, 9—83294
Brinton, H.C. *see* Hedin, A.E. 9—53591
Brinton, H.C. *see* Samir, U. 9—62667
Brinton, H.C. *see* Torr, D.G. 9—96856
Brinzoi, V. Behaviour of nickel in methanolic solutions 9—74283
Brion, C.E., Tan, K.H., Van Der Wiel, M.J., Van Der Leeuw, Ph.E. Dipole oscillator strengths for the photoabsorption, photoionization and fragmentation of molecular oxygen 9—76468
Brion, C.E. *see* Domcke, W. 9—76522
Brion, C.E. *see* Hitchcock, A.P. 9—89797
Brion, H.G. *see* Schroter, W. 9—69284
Brion, J.P.de *see* de Brion, J.P.
Briones, F., Golmayo, D. Structure-related conduction properties of sputtered nitrogen-doped tantalum films 9—78225
Briqueu, L., Lancelot, J.R. Rb-Sr systematics and crustal contamination models for calc-alkaline igneous rocks 9—79762
Brisbon, R.D. *see* McNutt, J.D. 9—94091
Briscoe, B.J., Kremnitzer, S.L. A study of the friction and adhesion of polyethylene-terephthalate monofilaments 9—52386
Briscoe, B.J., Smith, A.C. The influence of dynamic loading on sliding friction 9—50675
Briscoe, F., Curtress, N., Farmer, C.L., Fogg, G.F., Vaughan, G.J. EEC-sponsored theoretical studies of gas cloud explosion pressure loadings 9—49789
Briscoe, W.J. *see* Maruyama, X.K. 9—63661
Briscoe, W.J. *see* Sadler, M.E. 9—85328
Briscoe, W.J. *see* Sober, D.I. 9—85494
Brissaud, I., Campi, X. Determination of matter densities of Ca isotopes by 600 MeV and 1 GeV proton elastic scattering 9—93500
Brisse, F. *see* Poulin-Dandurand, S. 9—94924
Brissenden, S., Gardner, J.W., Illingworth, J., Kovacevic, I., Whitworth, R.W. The influence of an electric field on the flow stress of crystals of NaCl 9—51193
Brissey, G.M. *see* Randic, M. 9—59336
Brisson, A. Study of periodic biological specimens. Optical and digital analysis 9—66594
Bristeau, M.O., Pironneau, O., Glowinski, R., Periaux, J., Perrier, P. On the numerical solution of nonlinear problems in fluid dynamics by least squares and finite element methods. I. Least square formulations and conjugate gradient solution of the continuous problems 9—49054
Bristor, C.L. The case for an expanded digital WEFAX 9—66817
Bristow, M.P.F. Fluorescence of short wavelength cutoff filters 9—61411
Bristowe, P.D. *see* Crocker, A.G. 9—69113
Brite, D.W. *see* Freshley, M.D. 9—49684, 9—59238
Brite, D.W. *see* Goldsmith, S. 9—59244
Brith-Lindner, M. *see* Rosenheck, K. 9—62185
Brito, A.S., Zerweck, G., de Lima, O.F. High critical flux density gradients near the surface of superconducting niobium 9—87221
Britov, A.D., Karavaev, S.M., Kalyuzhnaya, G.A., Kurbatov, A.L., Gorina, Yu.I., Sivachenko, S.D. Obtaining ultrahigh-resolution IR absorption spectra by means of a tunable PbTe laser diode 9—75628
Britov, A.D. *see* Starik, P.M. 9—73154
Britov, N.A. A class of equations with homogeneous operators 9—60071
Britov, V.N. *see* Afanas'ev, V.A. 9—89400
Britov, V.N. *see* Gryazev, V.M. 9—97865
Britt, H.C. *see* Blann, M. 9—54452
Brittain, J.O. *see* Ochiai, Y. 9—99531
Britten, J.R. *see* Pilpel, N. 9—61668
Britter, R.E., Hunt, J.C.R., Mumford, J.C. The distortion of turbulence by a circular cylinder 9—68712
Brittingham, J.C. *see* Vitti, J.A. 9—59121, 9—59155
Britton, K.E. *see* Elliott, A.T. 9—53251
Brizzolari, E., Bernabini, M. Comparison between Schlumberger electrode arrangement and some focused electrode arrangements in resistivity profiles 9—88486
Broach, R.W., Schultz, A.J., Williams, J.M., Brown, G.M., Manriquez, J.M., Fagan, P.J., Marks, T.J. Molecular structure of an unusual organoactinide hydride complex determined solely by neutron diffraction 9—89801
Broadbent, S. *see* Donovan, R.L. 9—52937
Broadfoot, A.L. *see* Kumar, A.L. 9—96970
Broadfoot, A.L. *see* Shemansky, D.E. 9—53878, 9—92816
Broadhurst, A.D., Martin, A.H.M. The application of the acoustic telescope to transportation noise measurement 9—94426
Broadley, D., Laithwaite, J.M., Walford, J.G. Operating experience with the PFT primary circuit and design intentions for CDFR 9—97870
Broadwater, R.P., Godbole, S.S., Snidow, N.L. Development of models to narrow the gap between modern control theory and practice 9—71931
Broberg, H., Westlund, R. Creep scatter as an inherent material property 9—68590
Brochard, F., de Gennes, P.G. Conformation of molten polymers inside small pores 9—90516
Brocher, T. *see* Leary, P.C. 9—57863
Brocherding, F. *see* Sadler, M.E. 9—85328
Brock, C.Pratt *see* Pratt Brock, C.
Brock, J.E., Chisholm, A., Duder, J.C., Garrett, R. $^1H(n,n)^1H$ and $^2H(n,n)^2H$ at 14.2 MeV 9—71832
Brock, J.E., Chisholm, A., Duder, J.C., Garrett, R. A 14 MeV polarized neutron facility 9—85851
Brock, J.R. *see* Suck, S.H. 9—70824
Brock, P.J. *see* Shvartz, E. 9—100576
Brock Fenton, M. *see* Simmons, J.A. 9—83807
Brocke, H.-D. *see* Richter, H. 9—65107
Brocklehurst, M. *see* Salem, M. 9—76369
Brockman, A. *see* van Raaphorst, J.G. 9—89037
Brockmann, H., Clermont, H., Darvas, J., Forster, S., Niessen, H.F., Ohlig, U., Quell, P., Sack, B. The potential of fusion reactors as process heat source 9—67935
Brockmann, H. *see* Forster, S. 9—71970
Brockmann, R., Brown, G.E., Jennings, B.K., Rockmore, R.M. Microscopic theory of the Δ spreading potential in a simple approach to pion-nucleus scattering 9—85422
Brockner, W., Demiray, A.F. Raman spectra study of PCl_5. IV. The PCl_5-$SnCl_4$ system 9—91451
Brockner, W., Torklep, K., Oye, H.A. Viscosity of aluminium chloride and acidic sodium chloroaluminate melts 9—82368
Brockner, W., Torklep, K., Oye, H.A. Viscosity of sodium fluoride-aluminium fluoride melt mixtures 9—82369
Brockner, W. *see* Demiray, A.F. 9—70320
Brocksch, H.-J. *see* Ekardt, W. 9—78702
Broda, E. History of atmospheric nitrogen 9—53415
Broda, H. *see* Drzazga, Z. 9—82817
Broda, R. *see* Kleinheinz, P. 9—49571
Brodan, V. *see* Potucek, J. 9—96500
Broden, G., Bonzel, H.P. Potassium adsorption on Fe(110) 9—77919
Broden, G., Gafner, G., Bonzel, H.P. CO adsorption on potassium promoted Fe (110) 9—82463
Broder, J.D. *see* Weizer, V.G. 9—92078
Broderick, J.J., Ficenec, J.R., Teplitz, D.C., Teplitz, V.L. Observational limits on the magnetic-monopole structure of protons 9—53717
Brodersen, H., Rizos, I. INTELSAT V solar array 9—96471
Brodersen, R.W. *see* Dalrymple, M. 9—64428
Brodersen, S. *see* Jensen, H.B. 9—59474
Brodersen, S. *see* Lolck, J.-E. 9—59463
Brodie, D. Searching for inexpensive solar cells 9—92075
Brodie, L.C. *see* Sinha, D.N. 9—81709
Brodimas, G.N. *see* Jannussis, A.D. 9—63957, 9—67180, 9—67183
Brodin, I.S., Fedenchuk, D.I. Tachometer flowmeter for exact measurement and reproduction of high gas flow rates 9—77309
Brodin, M.S., Shevel, S.G. Interaction of normal and laser radiation with compound monocrystals of $Zn_xCd_{1-x}S$ 9—98442
Brodin, M.S. *see* Borshch, A.A. 9—81511
Brodov, M.E., Kamenets, F.F., Korobkin, V.V., Prokhorov, A.M., Serov, R.V. Controlled-inversion-profile amplifier as soft aperture 9—98427
Brodovoi, V.A., Peka, G.P., Smolyar, A.N. Bistable switching in antimony trisulfide 9—73553
Brodovoi, V.A., Peka, G.P., Smolyar, A.N. Hopping conduction in antimony trisulfide subjected to strong electric fields 9—95456
Brodowski, J., Maschke, A.W., Mobley, R.M., Keane, J.T., Meier, E. 500 kV Mercury accelerator 9—76155
Brodowski, J. *see* Bertsche, A. 9—72005
Brodskaya, B.Kh. Development of discharges at the surface of electrolytes and an assessment of their influence on model reactions 9—96320
Brodskaya, R.L., Lyubalin, M.D. Dislocation-density determination with the 'Kontrast' automatic mineralogical analyzer 9—51111
Brodskii, A. *see* Belkind, A. 9—69954
Brodskii, A.M., Urbakh, M.I. Effect of isolated adsorbed atoms on the electronic properties of the surface 9—60905
Brodskii, M., Levshin, A. An asymptotic approach to the inversion of free oscillation data 9—92624
Brodskii, Yu.Ya., Nechuev, C.I. The propagation of ion-acoustic oscillations in the presence of an intense electromagnetic field 9—55483
Brodsky, A. Time and dose factors in carcinogenesis 9—70590
Brodsky, A. A statistical method for testing epidemiological results, as applied to the Hanford worker population 9—70591
Brodsky, A. *see* Cool, D.A. 9—70642
Brodsky, A.M. The behavior of hydrogen-like atoms in an intense long-wave field 9—89652
Brodsky, M.B., Trainor, R.J. Itinerant antiferromagnetism in $NpIr_2$ 9—61154
Brodsky, M.H., Kaplan, D. Hydrogenation and the density of defect states in amorphous silicon 9—60757
Brodsky, M.H. *see* Deneuville, A. 9—78171
Brodsky, S.J. Quantum chromodynamics and the dynamics of hadrons 9—97593
Brodsky, S.J., DeGrand, T., Gunion, J., Weis, J. Production of jets and single particles at large transverse momentum in photon-photon collisions 9—49565
Brodsky, S.J. *see* Berger, E.L. 9—63551
Brodsky, S.J. *see* Lepage, G.P. 9—89153
Brodt, F. *see* Beisswenger, H. 9—49812
Brody, E.M. *see* Benner, R.E. 9—61388
Brody, H. Physics of the tennis racket 9—71173
Brodzeli, M.I. *see* Berlin, A.A. 9—65461
Brodzik, D. *see* Abt, H.A. 9—71033
Brodzinski, R.L., Wogman, N.A. In situ quantitative determination of transuranic elements in areas of high-level gamma radiation 9—87933
Brodzinski, R.L. *see* Nielson, K.K. 9—85715
Brodzinski, R.L. *see* Wogman, N.A. 9—85606
Broeck, C.Van den *see* Van den Broeck, C.
Broeckaert, I. *see* Coomans, D. 9—53275
Broecker, W.S. A revised estimate for the radiocarbon age of North Atlantic deep water 9—84285
Broecker, W.S. Models for ocean uptake of fossil fuel CO_2 9—88031
Broecker, W.S., Ostlund, H.G. Property distributions along the σ_θ=26.8 isopycnal in the Atlantic Ocean 9—57960
Broecker, W.S. *see* Peng, T.-H. 9—79875
Broeder, F.J.A.den *see* den Broeder, F.J.A.
Broek, D., Smith, S.H. The prediction of fatigue crack growth under flight-by-flight loading 9—50651
Broek, J.J.Van Den *see* Van Den Broek, J.J.
Broek, P.M.van den *see* van den Broek, P.M.
Broek, P.M.Van Den *see* Van Den Broek, P.M.
Broekhuijsen, M.L., Uilenreef, P.L., Veringa, F. Flicker and chromatic adaptation 9—74669
Broell, F.G. *see* Reynolds, D.A. 9—85688
Broer, L.J.F. Some properties of wave equations in inhomogeneous media 9—63055
Broers, A.N. *see* Molzen, W.W. 9—75657
Broers, G.H.J. *see* van Buren, F.R. 9—79257
Broerse, J.J., Zoetelief, J., Puite, K.J. Dosimetry intercomparisons for evaluation of late effects of ionizing radiation 9—62361
Broersma, K. *see* Williams, R.J. 9—88109
Broese van Groenou, A. *see* Strijbos, S. 9—61528
Brogan, T.R., Idzorek, J.J., Swallom, D. Subsonic diffusers for MHD generators 9—83607
Brogli, R., Lefler, W., Lund, K., Schultz, K. Blanket performance of a fusion hybrid based on HTR fuel 9—85792
Brogli, R.H., Hamilton, C.J., Ligon, D.M., Turner, R.F. Toward an integrated reactor systems fuel strategy 9—49696
Brogli, R.H. *see* Shirley, G.W. 9—59139
Broglia, P., Conconi, P. Light curves and elements of AR Draconis 9—101173
Broglia, R.A., Dhar, A.K., Esbensen, H., Nilsson, B.S., Dasso, C.H. Time-dependent Hartree-Fock and elementary modes of excitation description of deep inelastic processes in the reaction $^{208}Pb+^{208}Pb$—a comparison 9—63695

Broglia, R.A., Winther, A. Probing the nucleus in heavy-ion collisions 9—54446
Broj, K., Gregor, J. Activity meter 9—66558
Broll, C.H. *see* Abrams, G.S. 9—89149, 9—89174
Brolley, J.E. Preprocessing of seismic signals for pattern recognition 9—62631
Bromberg, A.V. *see* Sokol, V.A. 9—87598
Bromberg, C., Fox, G., Gomez, R., Pine, J., Rohlf, J., Stampke, S., Yung, K., Erhan, S., Lorenz, E., Medinnis, M., Schlein, P., Ashford, V., Haggerty, H., Juhala, R., Malamud, E., Mori, S., Abrams, R., Delzenero, R., Goldberg, H., Margulies, S., McLeod, D., Solomon, J., Stanek, R., Dzierba, A., Kropac, W. Jets produced in π^-,π^+, and proton interactions at 200 GeV on hydrogen and aluminum targets 9—54438
Bromberg, C., Fox, G., Gomez, R., Pine, J., Rohlf, J., Stampke, S., Yung, K., Erhan, S., Lorenz, E., Medinnis, M., Schlein, P., Ashford, V., Haggerty, H., Juhala, R., Malamud, E., Mori, S., Abrams, R., Delzenero, R., Goldberg, H., Margulies, S., McLeod, D., Solomon, J., Stanek, R., Dzierba, A., Kropac, W. Experimental tests of quantum chromodynamics in high-$p_\perp$ jet production in 200-GeV/c hadron-proton collisions 9—89200
Bromberg, C., Fox, G., Gomez, R., Pine, J., Stampke, S., Yung, K., Erhan, S., Lorenz, E., Medinnis, M., Rohlf, J., Schlein, P., Ashford, V., Haggerty, H., Juhala, R., Malamud, E., Mori, S., Abrams, R., Delzenero, R., Goldberg, H., Margulies, S., McLeod, D., Solomon, J., Stanek, R., Dzierba, A., Kropac, W. Production and correlations of charged particles with high P_t in 200-GeV/c $\pi^\pm$p, K^-p, and pp collisions 9—89199
Bromberg, L., Cohn, D.R., Williams, J.E.C. High field ignition test reactor using adiabatic compression 9—89500
Bromberg, L., Smullin, L.D. Gas discharges in planar low-pressure thermionic diodes. I. Space-charge regime 9—77434
Bromberg, L., Smullin, L.D. Gas discharges in planar, low-pressure thermionic diodes. II. Plasma regime 9—77435
Bromberg, L. *see* Cohn, D.R. 9—71965
Bromberg, P.A. *see* Haddad, A.G. 9—88105
Bromborsky, A., Brandt, H.E., Kehs, R.A. Unidirectional ion generation and geometric focusing of ions in a reflex triode 9—76235
Bromborsky, A., Brandt, H.E., Kehs, R.A. Reflex triode with unidirectional ion flow 9—98928
Bromley, A.K.R., Henderson, G. A microprocessor-based wind pressure data acquisition system 9—70888
Bromley, D.A. The frontiers of physics and their roles in society 9—49008
Bromley, D.A. Nuclear molecules 9—54400
Bromley, D.A. Evolution and use ot nuclear detectors and systems 9—72188
Bromley, W.D. *see* Baldwin, M.N. 9—63776
Bron, J. *see* Barber, D. 9—54289, 9—54346
Bron, J. *see* Barber, D.P. 9—89175, 9—97631
Bron, O.B., Lyarskii, B.A., Kuklev, Yu.V. Interaction of a moving electric arc and the gaseous medium surrounding it 9—77447
Bron, R.Ya., Eremenko, V.V., Matyushkin, E.V., Shapiro, V.V. Luminescence enhancement of quasi-one-dimensional antiferromagnet $CsMnCl_3.2H_2O$ in magnetic field 9—91487
Bron, R.Yu., Eremenko, V.V., Matyushkin, E.V. Localization of electronic excitations in quasi-one-dimension antiferromagnet $CsMnCl_3.2H_2O$ 9—87492
Bron, Yu.M., Russkevich, Yu.N., Pachkovskii, L.S., Butenko, A.I., Malinka, A.V., Bolotnyi, V.M., Kruglova, T.G., Chudakov, G.V., Popov, A.M. 'Zond' automated installation for magnetic inspection of the external surface of circular hot-rolled stock 9—79210
Bronchard, J.P., Cholley, J.F., Gaillard, J., Leroy, B. Method for measuring the surface concentration of thin epitaxial layer 9—95037
Bronckers, R.P.N. *see* de Wit, A.G.J. 9—51431
Brondeau, J. *see* Canet, D. 9—54868
Brondeau, J. *see* Marchal, J.-P. 9—93196
Brondi, A. *see* Terrasi, F. 9—80912
Bronfin, M.B., Tarasenko, L.V., Kuznetsova, E.A. Effect of vacuum heating on the corrosion resistance of Al-4.5 Zn-2 Mg 9—96203
Bronger, W. *see* Lueken, H. 9—87227
Brongersma, H.H., Beirens, L.C.M., van der Ligt, G.C.L. Applications of low-energy ion scattering 9—95890
Brongersma, H.H. *see* Biloen, P. 9—69328
Brongersma, H.H. *see* Van Sprang, H.A. 9—59587, 9—85996
Brongersma, H.H. *see* Verhaart, G.J. 9—54976
Bronin, S.Ya. *see* Asinovskii, E.I. 9—89884
Bronk, J.R. *see* Johnson, I.T. 9—84039
Bronner, G. *see* Jassby, D.L. 9—50898
Bronnikov, K.A., Melnikov, V.N., Shikin, G.N., Staniukovich, K.P. Scalar, electromagnetic, and gravitational fields interaction: particle like solutions 9—54290
Bronnikova, T.V. *see* Fed'Kina, V.R. 9—79452
Bronoel, G. *see* Maximovitch, S. 9—52923
Bronshtein, D.Kh., Simkin, E.S., Tsypin, N.V. Properties of hot-pressed hard alloys based on tungsten monocarbide 9—100260
Bronshtein, I.M., Novitskii, M.G. Secondary electron emission from silicon bombarded with low-energy primary electrons 9—69934
Bronshtein, V.L. Mechanism of interaction of growing ice crystals with biological structures during freezing 9—70533
Bronshteyn, I.M., Yevdokimov, A.V., Stozharov, V.M., Tyutikov, A.M. Emission angle and energy distribution of electrons scattered by semiconductor glasses 9—91545
Bronskaya, L.P., Pervushin, G.E. Use of a thermocouple anemometer in shock-tube experiments 9—77300
Bronson, J.D., Weber, R.O. A high-performance data-acquisition and data-analysis computer system 9—93899
Bronsveld, P.M. *see* De Groot, J. 9—65082
Bronsveld, P.M. *see* van der Wegen, G.J.L. 9—55748
Bronzan, J.B., Wong, T.F., Fulco, J.R., Sugar, R.L. Color magnetic stability of a dense quark gas 9—71709
Bronzino, J.D., Forbes, W.B., Tracy, C., Stisser, P., Resnick, O., Morgane, P.J. Power spectral analysis of EEG development in the rat 9—83742
Bronzino, J.D. *see* Borgenicht, F. 9—79713
Broodman, J.J. *see* Knaap, M.H. 9—97792
Brook, E. *see* Harrison, M.F.A. 9—81284
Brook, M. *see* Krehbiel, P.R. 9—79938
Brook, P. *see* Mukherjee, S.D. 9—78153, 9—78176
Brook, R.J. *see* De Almeida, M. 9—99336
Brook, R.J. *see* Harmer, M. 9—74123
Brook, R.R. The influence of water vapor fluctuations on turbulent fluxes 9—79916
Brooke, G. *see* Baruch, J.E.F. 9—59302
Brooker, M.H. Raman spectroscopic studies of temperature dependence anomalies of strontium, barium, lead and calcium nitrate 9—61361
Brooker, M.H. Differences between diffraction and vibrational spectroscopic results for $AgNo_3$ 9—69818
Brookes, C.A., Green, P. Anisotropy in the scratch hardness of cubic crystals 9—96130
Brookfield, G. *see* Sherif, H.S. 9—59066
Brooks, B.R., Schaefer, H.F., III The graphical unitary group approach to the electron correlation problem. Methods and preliminary applications 9—76324
Brooks, C.B. *see* Allison, W.W.M. 9—76258
Brooks, D.A., Bane, J.M., Jr. Gulf Stream deflection by a bottom feature off Charleston, South Carolina 9—53365
Brooks, D.A. *see* Bane, J.M., Jr. 9—70803
Brooks, F.D. Development of organic scintillators 9—72198
Brooks, H.L., Hunter, S.R., Nygaard, K.J. Temperature dependence of the electron attachment coefficient in iodine 9—98219
Brooks, J.M. *see* Sackett, W.M. 9—88369
Brooks, J.N. *see* Kustom, R.L. 9—76127
Brooks, J.N. *see* Stacey, W.M., Jr. 9—71967
Brooks, J.S., Hallock, R.B. Third sound measurements in ^{3}He-^{4}He mixtures using time of flight techniques 9—51381
Brooks, J.S., Sabo, B.B., Schubert, P.C., Zimmermann, W., Jr. Studies of the superfluid density and onset of superfluidity on ^{4}He II in fine regular pores using a Helmholtz resonator 9—51335
Brooks, J.S., Sabo, B.B., Schubert, P.C., Zimmermann, W., Jr. Helmholtz-resonator measurements of the superfluid density of liquid ^{4}He in submicrometer-diameter channels 9—77852
Brooks, L.D. *see* Garcia, H.R. 9—59798
Brooks, M., Smith, A.L.S. Radiation field induced perturbations in CO_2 laser plasmas. II. Spontaneous sidelight fluctuations 9—82080
Brooks, M. *see* Smith, A.L.S. 9—82079
Brooks, P.R., McKillop, J.S., Pippin, H.G. Molecular beam reaction of K atoms with sideways oriented CF_3I 9—98198
Brooks, P.R. *see* Dispert, H.H. 9—74365
Brooks, R.A., Sank, V.J., Talbert, A.J., Di Chiro, G. Sampling requirements and detector motion for positron emission tomography 9—66527
Brooks, R.D., Watt, R.G., Pietrzyk, Z.A., Vlases, G.C. Multiple-pass CO_2 laser heating of a θ-pinch plasma 9—60160
Brooks, R.L. *see* Kernahan, J.A. 9—49986
Brooks, R.L. *see* O'Neill, J.A. 9—86059
Brooks, R.L. *see* Pinnington, E.H. 9—93964
Brooks, W.N. *see* Albery, W.J. 9—62412
Brooks, W.V.F. *see* Mohammadi, M.A. 9—98075, 9—98076
Brookshire, R.H., Nicholas, L.S., Krueger, K. Sampling of speech pathology treatment activities: an evaluation of momentary and interval sampling procedures 9—96704
Broomall, J.R. *see* Johnson, W.D. 9—73567
Broome, D.R. UCL hydraulic arm dynamics 9—100791
Broomen, L.J., Greenisen, M.C. Determination of the onset and termination of EMG signals 9—83761
Broomfield, A.M., Holmes, J.A.G., Webb, J. Fuel and component handling in PFR and intentions for CDFR 9—97872
Broomfield, A.M. *see* Taylor, D. 9—97788
Brophy, J.H. *see* Hynes, A.J. 9—59496
Brophy, J.H. *see* Murphy, E.J. 9—67427, 9—80692
Broring, J. *see* Evangelista, C. 9—75788
Bros, J.P., Gaune-Escard, M. Thermal storage by molten salts 9—70466
Bros, J.P. *see* Ansara, I. 9—60512
Bros, J.P. *see* Eslami, H. 9—66336, 9—83175
Brosa, U., Krappe, H.J. Charge equilibration and mass transfer in heavy-ion reactions in a collective model 9—97722
Brosche, D., Klein, K., Vollradt, J. On decommissioning nuclear facilities 9—89487
Brosche, P., Hoffmann, M. Wide binaries in the Pleiades 9—88710
Brosche, P., Sundermann, J. *(editor)* Tidal Friction and the Earth's Rotation 9—88234
Brosed, A., Granados, C.E., Los Arcos, J.M. Contemporary aspects of Spanish problems in calibration in radiology 9—92377
Brosens, F., Devreese, J.T. Exchange effects in plasmon dispersion on one-dimensional systems 9—60741
Brosens, F. *see* Devreese, J.T. 9—51509
Brosh, A. *see* Bobrovsky, B.Z. 9—59990
Brosh, A. *see* Shlien, D.J. 9—68674
Brosnahan, J.W. *see* Warwick, J.W. 9—79939
Brosnan, S.J., Byer, R.L. Optical parametric oscillator threshold and linewidth studies 9—81480
Bross, A., Brown, R., Downing, R., Fuess, S., Kohlmeier, J., Nienaber, P., Richardson, D., Simaitis, V., Virkus, R. Automatic digitization of optical spark chamber data using charge coupled devices 9—89517
Bross, P., Exner, H.E. Computer simulation of sintering processes 9—61526
Bross, P. *see* Exner, H.E. 9—61525
Brossas, J. *see* Guilbert, Y. 9—69032
Brosset, C. *see* Ying-Hua Lee 9—79432
Brossier, P. *see* Ramponi, G. 9—98878
Brosson, G. *see* Conte, F. 9—97892
Brosson, P., Ripper, J.E., Patel, N.B., Rogers, D.A., Giarola, A.J., Costa, M.H.M. Optical repeater using PFM at 1 GHz 9—98395
Brosson, P. *see* Patel, N.B. 9—50291
Brostow, W., Gruda, J., Sochanski, J.S., Turner, J.E. The particle scattering factor of branched macromolecules: computer simulation 9—64128
Brostow, W., Maynadier, P. Temperature dependence of the isothermal compressibility of liquids 9—90710
Brot, C., Lassier-Govers, B., Lechner, R.E., Volino, F. Rotational motion in plastic quinuclidine: results from quasielastic neutron scattering 9—69038
Brot, C., Virlet, J. Anisotropic molecular reorientations of quinuclidine in its plastic solid phase: ^{1}H and ^{14}N NMR relaxation study 9—69039
Broten, N.W. *see* Avery, L.W. 9—92817
Broten, N.W. *see* MacLeod, J.M. 9—92822
Brothers, A.D., Brungardt, J.B. Excitons in WS_2 films. Pressure and temperature effects 9—51496
Brotherton, S.D., Bradley, P., Bicknell, J. Electrical properties of platinum in silicon 9—82542
Brotz, W., Schonbucher, A. The convective mass transport as rate-determining step in pool flames and its analogy to the distribution of air pollutants in the atmosphere 9—52662
Brouckaert, C.J. *see* Scholtz, M.T. 9—53466
Brouckere, L.De *see* De Brouckere, L.
Broudnyi, V.N. *see* Voitsehovski, A.V. 9—78122
Brouers, F., de Menezes, O.L.T., Bennemann, K.H. On the valence change at the surface of samarium 9—56280
Brouers, F. *see* Delanaye, F. 9—87033
Brough, R., Malkin, F., Harrison, R. Measurement of the coefficient of friction of floors 9—52540
Broughton, J.M. *see* MacDonald, P.E. 9—81024
Brouillette, R.T., Thach, B.T. A neuromuscular mechanism maintaining extrathoracic airway patency 9—100656
Brout, R., Englert, F., Gunzig, E. The causal universe 9—53945
Brout, R., Englert, F., Spindel, P. Cosmological origin of the grand-unification mass scale 9—88773
Broutman, L.J. *see* Sridharan, N.S. 9—74311
Brouwer, J.W. Collection of meteorological and oceanographic data in the North Sea 9—96827
Brouwer, R., Jellinek, F. Modulation of the intergrowth structures of $A_{1-p}Cr_2X_{4-p}$ (A=Ba, Sr, Eu, Pb; X=S, Se; p≈0.29) 9—94967
Brouwer, R.P. *see* Velzel, C.H.F. 9—98412
Brouzet, E. *see* Boussard, D. 9—76193
Brovar, V.V. On the calculation of potential by the Stokes equation 9—62428
Brovkin, A.A. *see* Zayakina, N.V. 9—94976
Brovko, A.P. *see* Romanova, A.V. 9—69006

Browand, F.K.; Latigo, B.O. Growth of the two-dimensional mixing layer from a turbulent and nonturbulent boundary layer 9—68686
Browand, F.K. *see* Koop, C.G. 9—77216
Brower, J.C., Millendorf, S.A. Biostratigraphic correlation within IGCP Project 148 9—62501
Brower, J.C., Millendorf, S.A., Dyman, T.S. Methods for the quantification of assemblage zones based on multivariate analysis of weighted and unweighted data 9—62593
Brower, J.C. *see* Millendorf, S.A. 9—62502
Brower, N.G., Himberger, D.E., Mayer, W.G. Restrictions on the existence of leaky Rayleigh waves 9—82429
Brower, R.C., Spence, W.L., Weis, J.H. Bound states and asymptotic limits for quantum chromodynamics in two dimensions 9—71716
Brower, R.W., Meester, G.T. Spatial resolution and correlation between segments in regional wall motion studies of the left ventricle 9—62359
Browman, A.A. *see* Frank, J.S. 9—85329
Brown, A. A comparison of some alternative domestic energy systems 9—74494
Brown, A., Bunclark, P.S., Stapleton, J.R., Stewart, G.C. The radius of Aldebaran from fast photometry of the 1978 August 26 occultation 9—67005
Brown, A., Kilkenny, D. Photometry of faint blue stars. V. A third list of southern stars 9—71030
Brown, A. *see* Martin, B.W. 9—72887
Brown, A.J. *see* Behbehani, A.H. 9—80896
Brown, B. *see* Hojvat, C. 9—67971
Brown, B.A., Massen, S.E., Hodgson, P.E. The charge distributions of the oxygen and calcium isotopes 9—85361
Brown, B.A., Sherr, R. Charge-dependent two-body interactions deduced from displacement energies in the $1f_{7/2}$ shell 9—67668
Brown, B.A. *see* Shibata, T.A. 9—85414
Brown, B.C., Ankenbrandt, C.M., Cosgrove, D., Garvey, J.D., Johnson, R.P., Meisner, K. Design of an additional extraction/injection area for the Fermilab Booster 9—72047
Brown, B.C. *see* Jostlein, H. 9—89310
Brown, B.D. *see* Pandey, G.N. 9—79512
Brown, B.H. Training for biomedical engineering in India 9—80390
Brown, B.H. *see* Anderson, A.P. 9—100689
Brown, B.J. *see* Bremer, N. 9—52720
Brown, B.R. *see* Konishi, S. 9—51825
Brown, B.W. The student's mean versus the true assay. A grading dilemma for quantitative analysis 9—48993
Brown, C. *see* Abshire, G. 9—81124
Brown, C.E. *see* Warren, S.W. 9—88133
Brown, C.G. *see* Wort, D.J.H. 9—81171
Brown, C.M. *see* Longmire, M.S. 9—70902
Brown, C.M. *see* Van Zee, R.J. 9—81218
Brown, C.N. *see* Jostlein, H. 9—89310
Brown, C.O., Hansen, L.E. Methods of criticality analysis for spent-fuel storage facilities 9—63777
Brown, C.R. *see* Harris, B. 9—83262
Brown, C.T. *see* Walton, J.D. 9—61955
Brown, C.W., Lynch, P.F., Ahmadjian, M. 'Feats of magic' [computerized dispersive IR spectroscopy] 9—54205
Brown, C.W. *see* Goldfarb, D. 9—79328
Brown, C.W. *see* Van Haverbeke, L. 9—74581
Brown, D. A fast multiwire proportional chamber data encoding system for proton tomography 9—92337
Brown, D., Fairbairn, S., Morgan, G.J. A quasi-polycrystalline approximation for electronic states in liquid transition metals and tetrahedrally bonded semiconductors 9—77975
Brown, D. *see* Gozani, T. 9—52848
Brown, D. *see* McInturff, A.D. 9—68088
Brown, D.E. *see* Beagley, B. 9—76514
Brown, D.P. *see* Wogman, N.A. 9—85606
Brown, D.S. *see* James, D.B. 9—69234
Brown, D.S. *see* Karickhoff, S.W. 9—83651
Brown, F.H. *see* Cerling, T.E. 9—57930
Brown, F.H. *see* Ward, S.H. 9—84260
Brown, G., Tindall, A.S. The measurement of the silver concentrations of coins using a small neutron source 9—79332
Brown, G.C., Plant, J., Lee, M.K. Geochemical and geophysical evidence on the geothermal potential of Caledonian granites in Britain 9—74486
Brown, G.C. *see* Simpson, P.R. 9—84273
Brown, G.E. Chiral symmetry and the nucleon-nucleon interaction 9—97669
Brown, G.E., Jennings, B.K., Rockmore, R.M. P-wave absorptive and dispersive effects on pion-nucleus scattering 9—85558
Brown, G.E., Rho, M. The little bag 9—49452
Brown, G.E., Rho, M., Vento, V. Little bag dynamics 9—75771
Brown, G.E. *see* Bethe, H.A. 9—97014
Brown, G.E. *see* Brockmann, R. 9—85422
Brown, G.E. *see* Soyeur, M. 9—97018
Brown, G.H. *see* Bacon, W.E. 9—91944
Brown, G.H. *see* Lewis, E.A.S. 9—90764
Brown, G.J., Hanley, D., Killion, B., Martin, J.G., Phelps, J.P. An analysis of multiple radiography over-exposures 9—49877
Brown, G.M., John, J.I. Vertical penetration of planetary waves into the lower ionosphere 9—58142
Brown, G.M. *see* Broach, R.W. 9—89801
Brown, G.M. *see* Maurer, P. 9—53739
Brown, G.S., Altug, S.S., Geister, D.E., McCall, W.D., Jr. Software support for computerized electromyography in clinical dentistry 9—74780
Brown, H. *see* Weng, W.T. 9—76188
Brown, H.F. *see* Newman, P.B. 9—67282
Brown, H.N. *see* Allinger, J. 9—76203
Brown, H.R. Flory-Huggins-Rehner theory and the swelling of semicrystalline polymers by organic fluids 9—60255
Brown, I.M., Sandreczki, T. Nitroxide spin label studies in an epoxy resin 9—78523
Brown, J., Bolef, D.I. Magnetoelastic interactions in $NdVO_4$. Finite strain and rotational effects 9—87303
Brown, J.A., Heffner, R.H., Leon, M., Parkin, D.M., Schillaci, M.E., Gauster, W.B., Fiory, A.T., Kossler, W.J., Birnbaum, H.K., Denison, A.B., Cooke, D.W. μ^+ diffusion and trapping in high purity and oxygen-doped Nb 9—56685
Brown, J.A. *see* Heffner, R.H. 9—56686
Brown, J.A. *see* Kohn, S. 9—56695
Brown, J.A. *see* Wallerstein, G. 9—62849
Brown, J.C., Bass, H.E., Thompson, D.L. A quasi-classical trajectory study of the four-center reactions: $HBr+Cl_2$ and $HBr+BrCl$ 9—57213
Brown, J.C. *see* Warlaumont, J. 9—65602
Brown, J.C. *see* Warlaumont, J.M. 9—82720
Brown, J.D. *see* Sibley, W.A. 9—99913
Brown, J.E. *see* Harary, H.H. 9—74658
Brown, J.F., Palmeter, A., Sams, L. Fluid flow behaviour in a simulated river bend 9—100885
Brown, J.G., Craig, A.G. Dose equivalent unit 9—79658
Brown, J.K. *see* Bartlett, D.T. 9—73814
Brown, J.L. Impact of changing computer technology on nuclear and particle physics 9—89538
Brown, J.M., Carrington, A., Sears, T.J. The infra-red LMR spectrum of SeH in the $X^2\Pi$ state. A direct determination of the spin-orbit coupling constant 9—76429
Brown, J.M., Merer, A.J. Lambda-type doubling parameters for molecules in Π electronic states in triplet and higher multiplicity 9—59429
Brown, J.M., Sears, T.J. A reduced form of the spin-rotation Hamiltonian for asymmetric-top molecules, with applications to HO_2 and NH_2 9—63976
Brown, J.M. *see* Howes, A.E. 9—88123
Brown, J.S. Some calculations of the electron-phonon mass enhancement factor in PdH and PdD using various electron-phonon coupling approximations 9—87184
Brown, K. *see* Pick, R.J. 9—74337
Brown, K.L. A second-order magnetic optical achromat 9—72161
Brown, K.L. *see* Peterson, J.M. 9—72096
Brown, K.L. *see* Servranckx, R.V. 9—72106
Brown, K.T., Flaming, D.G. Effects of Ba^{2+} upon the dark-adapted intensity-response curve of toad rods 9—79531
Brown, K.T. *see* Flaming, D.G. 9—53091
Brown, K.W., Barish, B.C., Bartlett, J.F., Bodek, A., Shaevitz, M.H., Siskind, E.J., Diamant-Berger, A.M., Dishaw, J.P., Faessler, M., Liu, J.K., Merritt, F.S., Wojcicki, S.G. Observation of prompt single-muon production by 400-GeV protons 9—80855
Brown, K.W. *see* Barish, B.C. 9—63536
Brown, K.W. *see* Dishaw, J.P. 9—85473
Brown, L.C. The fatigue of pseudoelastic single crystals of β-CuAlNi 9—52364
Brown, L.D. A new method for plating on aluminium 9—70228
Brown, L.D. *see* Citron, G.P. 9—79794
Brown, L.D. *see* Ghosh, A. 9—53259
Brown, L.D. *see* McGovern, J.M. 9—92330
Brown, L.E. *see* Boyd, E.S. 9—83805
Brown, L.E. *see* Wieland, D.M. 9—83910
Brown, L.L. *see* Soloyanis, S.C. 9—70744
Brown, L.M. *see* Perovic, V. 9—60509
Brown, L.R., Hunt, R.H., Pine, A.S. Wavenumbers, line strengths, and assignments in the Doppler-limited spectrum of formaldehyde from 2700 to 3000 cm^{-1} 9—72310
Brown, L.S., Choonkyu Lee Massive propagators in instanton fields 9—49390
Brown, L.S. *see* Basham, C.L. 9—63497, 9—85310
Brown, L.W. *see* Feibelman, W.A. 9—92821
Brown, M., McMahon, H. Computer managed independent learning in A-level physics 9—62948
Brown, M., Willoughby, A.F.W. Determination of slip planes in $Cd_xHg_{(1-x)}Te$ by etching of dislocations introduced by microhardness indentations 9—82220
Brown, M.C., Spencer, R. Thyroid gland volume estimated by use of ultrasound in addition to scintigraphy 9—74730
Brown, M.E. *see* Barber, R. 9—85141, 9—88958
Brown, M.F., Seelig, J., Haberlen, U. Structural dynamics in phospholipid bilayers from deuterium spin-lattice relaxation time measurements 9—79485
Brown, M.L. *see* Baggenstoss, B.J. 9—57763
Brown, M.S. *see* Goldstein, J.L. 9—74611
Brown, N. *see* Wu, J.B.C. 9—61762
Brown, O., Berger, R. A nearsightedness computer 9—83768
Brown, P. *see* Grinnell, A.D. 9—79562
Brown, P.V. *see* Larsen, L.E. 9—88216
Brown, R. *see* Bross, A. 9—89517
Brown, R. *see* Coteus, P. 9—63468
Brown, R. *see* Forbes, L. 9—73595
Brown, R.A., Luckcock, R.G. Dreams, daydreams and discovery 9—49007
Brown, R.A., McWalter, R., Slidders, W., Gibbs, J., Beck, J.S. Measurement of Quantimet 720 of the proportion of actively growing cells in tissue cultures of human lymphocytes 9—74606
Brown, R.B., Eisenbarth, S.R., Powers, D. The application of a number-oriented microprocessor to real-time data processing 9—49921
Brown, R.B., Powers, D. Measurements of the molecular stopping cross sections of organic ring compounds 9—98188
Brown, R.C., Andreussi, P., Zanelli, S. The use of wire probes for the measurement of liquid film thickness in annular gas-liquid flows 9—64805
Brown, R.C. *see* Duncan, T.M. 9—66808
Brown, R.D., Weertman, J. Mean stress effects on crack propagation rate and crack closure in 7050-T76 aluminum alloy 9—52336
Brown, R.D.H., Douglas, D.J., Polanyi, J.C. Chemiluminescence-depletion of vibrational relaxation. I. $HF(v=2\text{-}6)+CO_2$, $DF(v=2\text{-}4)+CO_2$ 9—72399
Brown, R.D.H., Smith, I.W.M., Van der Merwe, S.W.J. Vibrational photochemistry: the relaxation of HCl(v=1) and DCl(v=1) by bromine atoms 9—66290
Brown, R.D.H. *see* Bartoszek, F.E. 9—72400
Brown, R.E., Murdoch, B.T., Hasell, D.K., Sourkes, A.M., van Oers, W.T.H. $p+^3He$ elastic scattering from 18 to 48 MeV 9—75998
Brown, R.E. *see* Chu, W.K. 9—83864
Brown, R.E. *see* Garel, K.C. 9—89387
Brown, R.E. *see* Schmelzbach, P.A. 9—75966
Brown, R.E. *see* Specker, S.R. 9—85593
Brown, R.G. Fuel failure propagation reliability assessment 9—49785
Brown, R.G. Debris transport in horizontal piping 9—93784
Brown, R.G.W., Callan, R.D., Jones, R., Oliver, C.J., Pike, E.R., Watson, D.J., Jenkins, W., Miller, I., Wedd, M. A combined fringe and two-spot backscatter LDV with 10ns burst-correlator processor 9—50827
Brown, R.G.W., Pike, E.R. A combined laser Doppler and time of flight anemometer 9—55434
Brown, R.H. *see* Fanale, F.P. 9—92706
Brown, R.J., Parsons, M.L. Relative atomic transition probabilities for Na, Sc, Ti, Cr, Fe, Co, and Ni using flame atomic absorption spectroscopy 9—89642
Brown, R.J.C. *see* Segel, S.L. 9—65756
Brown, R.L. Residual correction applied to a sequence of block tridiagonal matrices 9—72800
Brown, R.L., Friedberg, C.B. Electron-lifetime anisotropy in magnesium 9—78082
Brown, R.L., Spencer, R.E. 21 centimeter absorption at z=0.395 in the quasar 1229—021 9—62928
Brown, R.M., Clark, A.G., Duke, P.J., Evans, W.M., Gray, R.J., Groves, E.S., Ott, R.J., Renshall, H.R., Shah, T.P., Shave, A.J., Thresher, J.J., Tyrrell, M.W. Differential cross sections for the reaction $\pi^-p\rightarrow\eta n$ between 724 and 2723 MeV/c 9—71761
Brown, R.M. *see* Baker, R.D. 9—89182
Brown, R.M. *see* Bourquin, M. 9—71768
Brown, R.M. *see* Fritz, P. 9—84324
Brown, R.M. *see* Sethuraman, S. 9—88480
Brown, R.T., Nighan, W.L. Stability enhancement in electron-beam-sustained excimer laser discharges 9—98381
Brown, R.W., Stecker, F.W. Cosmological baryon-number domains structure from symmetry breaking in grand unified field theories 9—84876
Brown, S.N., Stewartson, K. On finite amplitude Benard convection in a cylindrical container. II 9—81877
Brown, T. *see* Landman, D.A. 9—94069
Brown, T.G. *see* Armantrout, G.A. 9—78885
Brown, T.M. Observed brightness oscillations at the solar limb 9—62798
Brown, V.R. *see* Finlay, R.W. 9—67642
Brown, V.R. *see* Wong, C. 9—89277
Brown, W.A., Kamins, T.I. An analysis of LPCVD system parameters for polysilicon, silicon nitride and silicon dioxide deposition 9—100058
Brown, W.D. Effects of HCl annealing of memory oxides on MNOS capacitor memory window 9—70079

Brown, W.D. Retention and endurance characteristics if HCl-annealed and unannealed MNOS capacitors 9—74274
Brown, W.F., Bandas, J., Olson, N.T. Pulsed magnetic welding of breeder reactor fuel pin end closures 9—93806
Brown, W.G. A note on the linearity postulate of the 'special theory' of 1905, 1907 9—97195
Brown, W.K. *see* Fain, D.E. 9—94099
Brown, W.L. *see* Blood, P. 9—55761
Brown, W.L. *see* Celler, G.K. 9—73183
Brown, W.L. *see* Leamy, H.J. 9—69136
Brown, W.L. *see* Williams, J.S. 9—73186
Brown, W.P. *see* Yeh, C. 9—64312, 9—76804
Brown, W.S., Hearn, A.C. Applications of symbolic algebraic computation 9—58535
Browne, L.W.B., Antonia, R.A. Calculation of a turbulent boundary layer downstream of a step change in surface temperature 9—81862
Browne, M.J. *see* Cottrell, L.A. 9—93852
Browne, P.F. Universe expansion or reference system contraction 9—101228
Brownell, G., Burnham, C., Correia, J., Chesler, D., Ackerman, R., Tavares, J. Transverse section imaging with the MGH positron camera 9—66516
Browning, D.G. *see* Bannister, R.W. 9—72744
Browning, D.G. *see* Kibblewhite, A.C. 9—66705
Browning, D.G. *see* Mellen, R.H. 9—68466, 9—74914
Browning, I., Lewis, M. A new cut of quartz giving improved temperature stability to SAW oscillators 9—55292
Browning, J.S., Mathis, G.L., Salaita, G.N. Digitized layouts and impurity profiles of integrated circuit monoliths using particle induced X-ray fluorescence 9—52804
Browning, K.A. *see* Ball, A.P. 9—100936
Browning, K.A. *see* Hill, F.F. 9—79967
Browning, R. *see* Strathdee, S. 9—68273
Browning, T.I., Lewis, M.F., Milsom, R.F. Surface acoustic waves on rotated Y-cut $TiTaO_3$ 9—56060
Brownlow, A.H. *see* Uzuakpunwa, A.B. 9—84248
Brownsey, G.J. *see* Morris, V.J. 9—92011
Brownstein, K.R., Tarr, C.E. Importance of classical diffusion in NMR studies of water in biological cells 9—83721
Bru, L. *see* Victoria, J. 9—91732
Bruan, S.M., Evtushenko, O.V. Boronizing of titanium-molybdenum alloys 9—61797
Brubaker, T. *see* Smith, G. 9—58098, 9—58136
Brubakk, A.O. Use of a simulation model for estimating cardiac output from aortic pressure curves 9—53177
Brucat, P.J. *see* Weber, H.G. 9—59492, 9—64022
Brucato, R. *see* Sandage, A. 9—71113
Bruce, A.D. The theory of structural phase transitions: cluster walls and phonons 9—77720
Bruce, A.J. *see* Duncan, J.L. 9—59453
Bruce, L.A., Jaeger, H. Geometric factors in FCC and BCC metal-on-metal epitaxy. IV. Deposits of Rh, Ir, Pd and Pt on (001)W and (001)Mo 9—99450
Bruce, L.L. *see* Loop, M.S. 9—74668
Bruce, M.C., Adams, M.R. Effects of two types of motor practice on stuttering adaptation 9—57669
Bruch, H. *see* Otto, L. 9—49281
Bruch, H. *see* Palm, L. 9—100057
Bruch, L.W. Quantum mechanical law of corresponding states 9—55945
Bruch, L.W., Tjon, J.A. Binding of three identical bosons in two dimensions 9—58632
Bruch, L.W. *see* Cabral, F. 9—69306
Bruch, R., Schneider, D., Schwarz, W.H.E., Meinhart, M., Johnson, B.M., Taulbjerg, K. Projectile Auger spectra of gas- and foil-excited oxygen ions at MeV energies 9—59414
Bruch, R. *see* Rodbro, M. 9—85941
Bruch, R. *see* Simons, R.L. 9—59376
Bruch, U., Hornbogen, E. Structure and fracture of three precipitation hardening ferritic steels 9—61696
Bruchertseifer, H. *see* Orlova, O.A. 9—97740
Bruchle, W. *see* Franz, G. 9—67802
Bruck, M. *see* Faninger, G. 9—57374
Bruck, Y.M., Sodin, L.G. On the ambiguity of the image reconstruction problem 9—98306
Bruckenstein, S., Gifford, P.R. Micromolar voltammetric analysis by ring electrode shielding at a rotating ring-disk electrode 9—92018
Brucker, E.B. *see* Brick, D. 9—58980
Brucker, F. Theory anc practice of colorimetry as a means of quality control 9—80665
Bruckmann, H. *see* Anders, B. 9—75967
Bruckmann, H. *see* Bissem, H.H. 9—54712
Bruckmann, H. *see* Graubmann, S. 9—89317
Bruckmuller, R. *see* Husinsky, W. 9—52068
Bruckner, A.P., Schurr, J.M., Martin, N.B., Chang, E.L. Observation of changes induced by picosecond light pulses in suspensions of dipalmitoyl phosphatidyl choline vesicles 9—79599
Bruckner, W., Storbeck, I., Ufert, K.-D., Michalke, W., Steinbeiss, E., Buhling, D. The metal-insulator transition in VO_2 and possibilities for its technical application. I 9—99587
Bruckner, W. *see* Bertini, R. 9—63623, 9—85565
Bruckner, W. *see* Jonckheere, A. 9—63527
Bruckshaw, J. *see* Anderson, J. 9—54646
Brudermann, U., Dausch, D. An instrument for determining the fusional power and the fusional reserve in their interdependent relationship 9—88148
Brudermueller, G., Finke, G., Marth, W., Mausbeck, H. Power startup of the first German fast sodium-cooled reactor, KNK II 9—97848
Brudnyi, V.N., Voitsekhovskii, A.V., Krivov, M.A., Lilenko, Yu.V., Petrov, A.S., Potapov, A.I. Electrical and recombination properties of electron-irradiated $Pb_{1-x}Sn_xTe$ and $Pb_{1-y}Sn_ySe$ crystals 9—56227
Brueck, S.R.J. *see* Deutsch, T.F. 9—54872
Brueckner, G. *see* Basri, G.S. 9—75169
Brueckner, G.E. *see* Bartoe, J.-D.F. 9—53794
Brueckner, G.E. *see* Jordan, C. 9—53795
Brueckner, G.E. *see* Longmire, M.S. 9—70902
Brueckner, H.K. *see* Powers, L.S. 9—74865
Bruesch, P., Foditsch, W. A versatile high- and low-temperature optical cell for reflectivity, transmission and light-scattering experiments 9—80668
Brugal, G. *see* Adelh, D. 9—88223
Bruge, G. Scattering and reaction cross-sections measured at SPES I 9—75983
Bruge, G. *see* Bauer, T.S. 9—54394
Brugel, E.W. *see* Bohm, K.H. 9—62826
Bruger, M. *see* Apel', V.D. 9—89194
Bruges, E.A. Solar energy—the truth 9—83569
Bruggemann, W. *see* Lucken, H. 9—87227
Brugger, D.J. Removal of hexacyanoferrate from selected photographic process effluents by ion exchange 9—54211
Brugger, R.M. *see* Tsang, F.Y. 9—97704
Brugnolotti, P.L. *see* Smialowicz, R.J. 9—100667
Bruhl, H.-G. Precision lattice parameter measurements of VPE-GaP-epitaxial layers by the 'Umweganregung' method 9—65047
Bruhn, C.G. *see* Smyth, K.C. 9—86633
Bruijn, S.de *see* de Bruijn, S.
Bruin, H.J.de *see* de Bruin, H.J.
Bruinsma, R., Maki, K. Magnetic resonances associated with linear textures in superfluid ^{3}He-A 9—60585
Bruinvis, I.A.D. *see* Van Der Laarse, R. 9—53208
Bruk, B.S., Bogoslovskaya, M.N. Electrode for inversion voltamperometry with alternating current 9—70333
Bruk, M.V., Zel'tser, V.S., Kuz'mitskii, M.L. Semiautomatic babbitting tester 9—66245
Bruk, Yu.M., Davies, J.G., Kuz'min, A.D., Lyne, A.G., Malofeev, V.M., Rowson, B., Ustimenko, B.Yu., Shitov, Yu.P. Radio-emission spectra of five pulsars in the 17-1420 MHz range 9—62863
Bruland, K.W. *see* Cutter, G.A. 9—70820
Bruland, K.W. *see* Knauer, G.A. 9—88368
Bruller, S. Simulation of linear viscoelastic behaviour using simple electrical devices 9—57179
Brumant, J., Jaffrain, M., Nguyen, A.T. Study of polymorphism of p-methoxybenzylidene-p-n-butylaniline (MBBA) by infrared and Raman vibrational spectroscopy 9—87438
Brumbach, S.B., Roche, C.T., Perry, R.B. An evaluation of thermography for use in plutonium safeguards 9—93719
Brumberg, E.M. *see* Brumberg, I.E. 9—57818
Brumberg, I.E., Brumberg, E.M., Shiffers, L.A., Pyatovskaya, N.N. Microfluorimeter for medical-biological research 9—57818
Brumberg, V.A., Finkel'shtein, A.M. The problem of comparison of observational results and theoretical data in verifying relativistic effects in the solar system 9—80209
Brumen, M., Gal, V., Svetina, S. A model of the pH-dependence of the number of oxygen-linked chloride binding sites in hemoglobin 9—62174
Brumer, P. *see* Fitz, D.E. 9—87821
Brumer, P. *see* Wong, J.K.C. 9—66265
Brummer, O., Hoche, H.R., Nieber, J. X-ray diffraction in the Bragg case at Bragg angles of about $\pi/2$ 9—86646
Brummer, O. *see* Berg, U. 9—83102
Brummer, O. *see* Berndt, K. 9—100021
Brummer, O. *see* Dlubek, G. 9—52240, 9—57003, 9—91525, 9—95872, 9—99972
Brummer, S.B. *see* Rauh, R.D. 9—100510
Brumwell, F.R. *see* Rauchas, A.V. 9—67997
Brun, G., Gardes, B., Tedenac, J.C., Raymond, A., Maurin, M. Structure and physical properties of the phases Cu_7TlX_2, $Cu_3YTl_2X_4$ (where X=Se, Te and Y=Fe, Ga, Al) 9—86758
Brun, G. *see* Brand, K. 9—63287
Brun, G. *see* Gardes, B. 9—96011
Brun, M.K., Bhalla, A.S., Spear, K.E., Cross, L.E., Berger, R.S. Crystal growth and characterization of lithium metasilicate 9—91577
Brun, M.Le *see* Le Brun, M.
Brun, P., Laporte, J.P., Dion, M., Laurent, F., Oddou, C. Off line computation of left ventricular blood flow field derived from multiple scanning with Doppler ultrasound velocimetry 9—62324
Brun, R., Auberger, P., Nguyen Van Que Shock tube study of boundary layer instability 9—64642
Brun, R., Zappoli, B., Zeitoun, D. Comparison of two computation methods for vibrational nonequilibrium flows 9—60073
Brun, T.O., Kajitani, T., Mueller, M.H., Westlake, D.G., Makenas, B.J., Birnbaum, H.K. The structure of the λ-phases of niobium-deuterium 9—94962
Brun, T.O. *see* Kajitani, T. 9—94945
Brun, T.O. *see* Korty, F.W. 9—78304
Brun, T.O. *see* Mueller, M.H. 9—99101
Bruna, P.J., Marian, C.M. Ab initio study on the isomers HNO^+ and NOH^+. Vertical spectra and heat of formation 9—49934
Brundage, D. *see* Rolison, D.R. 9—91960
Brundle, C.R., Hopster, H., Swalen, J.D. Electron mean-free path lengths through monolayers of cadmium arachidate 9—74051
Brundle, C.R., Silverman, E., Madix, R.J. Oxygen interaction with Ni/Fe surfaces (1) LEED and XPS studies of Ni 76%/Fe 24% (100) 9—82437
Brundle, C.R. *see* Chuang, T.J. 9—83084
Brundle, C.R. *see* Hopster, H. 9—83075
Brune, J.N. Implications of earthquake triggering and rupture propagation for earthquake prediction based on premonitory phenomena 9—84146
Brune, J.N., Archuleta, R.J., Hartzell, S. Far-field S-wave spectra, corner frequencies, and pulse shapes 9—84153
Brune, J.N. *see* Hartzell, S.H. 9—84124
Bruneau, A.M. Radiation of a disc, placed or not in a screen, with known distribution of the surface speed 9—98541
Bruneau, C. *see* Jobert, G. 9—84131
Bruneau, C.M. *see* Durand, D. 9—100363, 9—100364
Bruneau, J.L., Belland, P., Lebertre, T., Veron, D. CW HCN laser gain in a hollow dielectric rectangular cross-section discharge tube 9—72554
Bruneaux, M. *see* Schmaus, D. 9—86828
Bruneel, C. *see* Belannoy, B. 9—98520
Bruneel, C. *see* Cauvard, P. 9—55266
Bruneel, C. *see* Delannoy, B. 9—81638
Bruneel, C. *see* Haine, F. 9—86311
Bruneel, C. *see* Nongaillard, B. 9—76922
Bruner, E.C., Jr., McWhirter, R.W.P. The observation and interpretation of the profile of O IV λ1548 emitted from a quiet region of the Sun 9—96980
Bruner, F. *see* Crescentini, G. 9—62565
Bruner, L.J. Cardiovascular simulator for the undergraduate physics laboratory 9—84889
Brunet, H., Vincent, P. Predicted electron-transport coefficients at high E/N values. I. Hydrogen 9—94835
Brunet, H., Vincent, P. Predicted electron transport coefficients at high E/N values. II. Nitrogen 9—94836
Brunet, J.-C., Godot, J.-C., Hauviller, C., Jeker, W., Poncet, A., Wilson, I. The design and construction of transparent vacuum chambers for interaction areas of colliding beam machines 9—76211
Brunet, P., le Meur, G., Melard, L., Mouton, B., Renard, M., Sommer, M., Grobner, O., Hubner, K., Hutton, A., O'Hanlon, H., Schnuriger, J.-C., Vos, L., Wyss, C. Injector for LEP 9—72052
Brunet, Y., Mazuer, J., Renard, M. High field critical current densities and resistive transition of NbCN superconducting films 9—61018
Brunet, Y., Mazuer, J., Renard, M. High field critical current densities and resistive transition of NbCn superconducting films 9—73648
Brunet-Brunol, D., Pascal, D., Duret, D. Effect of noise on the performance of RF SQUID magnetometers 9—54159
Bruneteau, A.M. *see* Bacal, M. 9—73045
Brungardt, J.B. *see* Brothers, A.D. 9—51496
Brunharoto, C.A. *see* Nicola, J.H. 9—61364
Bruni, F.J. Gadolinium gallium garnet 9—69968
Bruninx, E. The coprecipitation of Cu, Ag, Au; Ge, Sn, Pb; Mn and Ca with ferric hydroxide 9—70415
Brunk, G. Lagrange and Hamilton functions for non-quadratic expressions of kinetic energy 9—88800
Brunk, G. Comparison of definition of contact temperature with results of the theory of linear conduction of heat 9—90117
Brunk, W., Fischer, G., Spencer, J. Single wavelength standard wiggler for PEP 9—68080
Brunk, W. *see* Berndt, M. 9—68025
Brunn, P. The motion of a slightly deformed sphere in a viscoelastic fluid 9—81831
Brunnemann, H. *see* Korting, H.J. 9—53290
Brunner, A. *see* Pritchard, D.E. 9—54942
Brunner, G. *see* Hinneburg, D. 9—67708
Brunner, G.O. The properties of coordination sequences and conclusions regarding the lowest possible density of zeolites 9—86751
Brunner, P., Ernst, R.R. Sensitivity and performance time in NMR imaging 9—96718
Brunner, T.A., Driver, R.D., Smith, N., Pritchard, D.E. Rotational energy transfer in Na_2*-Xe collisions: level to level dynamics 9—64029
Brunner, T.A. *see* Wainger, M. 9—98204

Brunnhuber, J., Holzhey, C., Coufal, H.-J., Sotier, S. Electrical resistivity of liquid CuGa alloys with Mn impurities 9—51545

Bruno, G.V., Harrington, J.K., Eastman, M.P. Electron paramagnetic resonance studies of slowly tumbling vanadyl spin probes in nematic liquid crystals 9—50985

Bruno, J., Sak, J. Magnetic field on a fast charged particle traversing a ferromagnet: Random-phase approximation 9—73230

Bruno, J., Sak, J. The magnetic susceptibility of a compressible magnet near the critical point 9—99705

Bruno, M.S. *see* Geller, M.J. 9—71118

Bruno, R. Reduced weather data for solar energy calculations 9—57397

Bruno, R., Hermann, W., Horster, H., Kersten, R., Klinkenger, K., Mahdjuri, F. The Philips experimental house: results and experience 9—61951

Bruno, R., Hermann, W., Horster, H., Kersten, R., Mahdjuri, F. Analysis and optimization of solar hot water systems 9—57461

Bruno, R. *see* Jodl, H.J. 9—91472

Brunol, J., de Beaucoudrey, N., Fonroget, J. Statistics and imaging in the two-dimensional coded Poisson process: application to nuclear imaging 9—57767

Bruns, R.E. *see* Smit, W.M.A. 9—72364

Brunton, L.J., Mitchell, A.E., Jr., Septoff, M. Atmospheric dispersion at a coastal rough-terrain nuclear plant site 9—52981

Brunvoll, J. *see* Cyvin, S.J. 9—81201, 9—82295

Brunwin, R., Hamilton, B., Jordan, P., Peaker, A.R. Detection of minority-carrier traps using transient spectroscopy 9—65402

Brunwin, R.F. *see* Cavenett, B.C. 9—91141

Brunwin, R.F. *see* Peaker, A.R. 9—99560

Brus, L.E. Acetylene fluorescence 9—59505

Brus, L.E., Bondybey, V.E. Photophysics of bound and dissociative states of small molecules in condensed phases 9—52728

Brus, L.E. *see* Baca, A. 9—81228

Brus, L.E. *see* Rossetti, R. 9—68241

Brusalis, T. *see* Danescu, Al. 9—52884

Brusati, M. *see* Ascoli-Bartoli, U. 9—60170

Bruscaglioni, P. A simple property of the contribution of double scattered radiation to the lidar returns from homogeneous fogs 9—53516

Bruscaglioni, P., Ismaelli, A. The effect of a non-uniform extinction coefficient on the contribution of double scattering to Lidar return from fogs 9—100952

Bruscaglioni, R., Ronchi, L. On the task dependence of refraction estimates 9—62237

Bruschi, M. On the algebra of certain matrices related to the zeros of Hermite polynomials 9—49421

Bruschi, M. On the algebra of certain matrices related to the zeros of Laguerre polynomials 9—92920

Bruschi, M., Calogero, F. Eigenvectors of a matrix related to the zeros of Hermite polynomials 9—49013

Brusewitz, G.H. *see* Moustafa, S.M.A. 9—87973

Brushci, L., Santini, M. The ^{4}He viscosity near the super fluid transition under pressure 9—55959

Brusilovskii, B.A., Molchanov, V.A. Ion-electron emission from a spherical target 9—65966

Brusilovsky, B.A., Molchanov, V.A. Ion-electron emission from spherical targets 9—52066

Bruskov, V.I., Polozov, R.V., Poltev, V.I. Role of unspecific complexing in the protein-nucleic acid recognition 9—79449

Bruson, A., Gerl, M. Diffusion coefficients of ^{124}Sb, ^{113}Sn, ^{110m}Ag, and ^{195}Au in liquid copper 9—95196

Brussaard, G. Attenuation due to rain on a slant path [microwaves above 10 GHz] 9—66737

Brusset, H. *see* Nguyen Quy Dao 9—51937

Brusset, H. *see* Repelin, Y. 9—91446

Brustolon, M. *see* Colligiani, A. 9—78524

Brut, F., Mankoc-Borctnik, N., Jang, S. High-spin states in ^{23}Na obtained by approximate microscopic methods compared with shell-model calculations 9—85352

Brut, F. *see* Mankoc-Borstnik, N. 9—89220

Brutschy, B., Haberland, H. Long-range helium excimer potentials (A, $C^1\Sigma_{u,g}^+$ and a, $c^3\Sigma_{u,g}^+$) from high-resolution differential cross sections for He(2^1S, 2^3S)+He 9—81167

Brutti, C., Di Chirico, G., Pighini, U. Optical differentiation of moire-holographic fringes by wavefront reconstruction with white light sources 9—86145

Bruun, H.H. A time-domain evaluation of the large-scale flow structure in a turbulent jet 9—72923

Bruyatskii, E.V. Basic integral relations for a jet in a wake flow 9—77202

Bruyere, M. *see* Bouteille, F. 9—97844

Bruyn, A.G.de *see* de Bruyn, A.G.

Bruyn, J.De., Langouche, G., Van Rossum, M., de Potter, M., Coussement, R. Laser and thermal annealing of Te-implanted silicon 9—99810

Bruyn, J.De *see* De Bruyn, J.

Bruyn Ouboter, R.de *see* de Bruyn Ouboter, R.

Bruynseraede, Y. *see* Gilabert, A. 9—78271

Bruynseraede, Y. *see* Van den Dries, L. 9—65616, 9—82719

Bruzas, S., Grigonis, A., Pranevicius, L. Effect of ion etch rate on the complexing mechanism in silicon 9—70197

Bruzewicz, A.J. *see* Butzer, K.W. 9—88471

Bruzzese, R. *see* Braglia, G.L. 9—64199

Bruzzi, S. *see* Steel, A.J. 9—58723

Bry, K.J. *see* Haltsonen, S. 9—59891

Bry, K.-J. *see* Kohonen, T. 9—59888

Bryan, A.C., Haines, C.R., Stuart, E.G. Solitons and separable elliptic solutions of the sine-Gordon equation 9—97215

Bryan, G.M. *see* Stoll, R.D. 9—79819

Bryan, J.K. *see* Rochester, L.R. 9—76917

Bryan, K., Lewis, L.J. A water mass model of the World ocean 9—79848

Bryan, M.L. *see* Leberl, F. 9—70809

Bryan, R. Nucleon-nucleon scattering phase shifts 9—80837

Bryan, R.B. The influence of slope angle on soil entrainment by sheetwash and rainsplash 9—74908

Bryan, S.D. *see* Hill, H.A. 9—89857

Bryan, W.B., Thompson, G., Michael, P.J. Compositional variation in a steady-state zoned magma chamber: Mid-Atlantic Ridge at 36°50′N 9—88336

Bryant, A.H. *see* Strange, P.C. 9—79076

Bryant, A.R., Morris, E. Response of fluid-filled vessels to internal explosions 9—49771

Bryant, D.J., Bouldin, D.W. A testing scheme for evaluating edge operators 9—75646

Bryant, G.W. Impurities in jellium 9—69467

Bryant, G.W. Heavy alkali atoms in jellium 9—69904

Bryant, H.C. *see* Clark, D.A. 9—71995

Bryant, N.A. *see* Todd, W.J. 9—92116

Bryant, P.E., Parker, J. Changes in sensitivity of HeLa cells after split doses of X-rays 9—74726

Bryant, P.J. A project to operate the CERN intersecting storage rings (ISR) with antiprotons 9—72064

Bryant, P.J. The revised skew quadrupole system for coupling compensation in the CERN intersecting storage rings (ISR) 9—72097

Bryant, P.J. Nonlinear wave groups in deep water 9—98742

Bryant, P.J. *see* Niu, B.H.C. 9—56915

Bryant, R.G. *see* Hsi, E. 9—78552

Bryant, W.A. The kinetics of the deposition of silicon by silane pyrolysis at low temperatures and atmospheric pressure 9—91595

Bryce, D.J. *see* Ireland, F.E. 9—70493

Brydges, D., Frohlich, J., Seiler, E. Diamagnetic and critical properties of Higgs lattice gauge theories 9—67465

Brydon, J.W.E., Lambie, A.K. Thermographic visualisation of coronary artery blood flow during by-pass surgery 9—53265

Brygalova, N.V. *see* Pomosov, A.V. 9—66017

Bryk, M.T., Sazykina, O.N., Varavko, I.A., Mel'nik, L.A. Cross-linking of poly(dimethylsiloxane) rubber filled with modified silica 9—95990

Bryk, M.T. *see* Kharitinych, N.E. 9—70272

Bryksin, V.V. *see* Bottger, H. 9—95379

Bryner, J.S. The cyclic nature of corrosion of Zircaloy-4 in 633K water 9—66207

Bryselbout, J., Faudou, J.Y., Guenot, R. Hydrogen behaviour of steels used for the hydrogen transport 9—74260

Brysk, H. *see* Scannapieco, A.J. 9—98429

Bryson, R.A. *see* Wilson, C.R. 9—88424

Brytov, I.A., Romashchenko, Yu.N. Energy level schemes of silicon and aluminium oxides 9—69400

Brytov, I.A. *see* Mstibovskaya, L.E. 9—69910

Bryudzh, G. *see* Alkhazov, G.D. 9—75883

Bryukhanov, V.V., Ketsle, G.A., Levshin, L.V. Emission from associated forms of rhodamine 6G in polyvinyl alcohol films and in liquid solutions at room temperature 9—54896

Bryukhanov, V.V., Ketsle, G.A., Levshin, L.V. Delayed fluorescence of simple associates of rhodamine 6G in mixtures of polar and non-polar solvents 9—56847

Bryukhanov, V.V., Ketsle, G.A., Levshin, L.V., Minaev, B.F. Effect of an external heavy atom on the delayed annihilation fluorescence of rhodamine 6G in liquid solutions 9—99931

Bryukhanova, L.S. *see* Polukarova, Z.M. 9—57201

Bryunetkin, B.A. *see* Bogdankevich, O.V. 9—59703

Bryzgalova, G.G., Farafonov, V.M. A study of the condition of the massif around mine workings with the aid of radiolocational apparatus 9—62602

Bryzhina, M.F., Esayan, S.Kh. Acoustic activity of trigonal crystals 9—65142

Brzhevskaya, O.N. *see* Kayushin, L.P. 9—92183

Brzhezitskii, V.A. *see* Kopshin, V.V. 9—80606

Brzosko, J.S., Zukowski, E., Grudzinski, J., Zukowski, W., Konarzewski, A. Statistical model of the creep discharges in air at the dielectric surface 9—99012

Bsenko, L. The Hf-Ni and Zr-Ni systems in the region 65-80 at.% Ni 9—52170

Bu-sheng Liu *see* Liu Bu-sheng

Bub, J. Some reflections on quantum logic and Schrodinger's cat 9—97170

Bube, R.H. *see* Huggins, R.A. *(editor)* 9—65985

Bubeck, C., Sixl, H., Bloor, D., Wegner, G. ESR of stable and metastable photoexcited states in a diacetylene single crystal 9—78522

Bubelis, E.S. *see* Zukauskas, A.A. 9—98712

Bubenik, J. *see* Prouza, Z. 9—68113

Bubert, H., Hagenah, W.-D., Laqua, K. Linear silicon photodiode array with parallel data output as a radiation receiver in optical emission spectroscopy. I. Measurement arrangement and analysis with spark radiation source 9—87926

Bubliak, P. *see* Aleksandrov, E. 9—93166

Bubnov, A.S. *see* Balankin, S.A. 9—100069

Bubnov, M.M. *see* Belov, A.V. 9—59857

Bubnov, V.A. Theory of equation of state for real gases. I 9—72981

Bubnov, V.A. On the theory of the equation of state of real gases. II 9—86548

Bubnov, V.A., Yegorikhin, V.D. Investigation of the large-scale current structure in the tropical Atlantic Ocean along 23° 30′ W [GATE] 9—53355

Bubnov, V.P. *see* Bezborodov, Yu.A. 9—59917

Bubp, D.G. *see* Hester, R.E. 9—76157

Bucaro, J.A., Hickman, T.R. Measurement of sensitivity of optical fibers for acoustic detection 9—50542

Bucaro, J.A. *see* Layton, M.R. 9—50553

Buccella, F., Lusignoli, M., Maiani, L., Pugliese, A. A new evaluation of the parity violating pion-nucleon coupling 9—67599

Bucci, C., Guidi, G., Manfredi, M., Tedeschi, R., Crippa, P.R., de'Munari, G.M., Vecli, A., Podini, P. Interaction of muonium with molecules of biological interest in water solution 9—57210

Buch, A. Comparison of various gust loading test results for notched specimens with the aid of the relative Miner rule 9—83308

Buch, J., Cervenak, J. Elimination of hysteresis in the characteristics of MNS structures made by reactive sputtering 9—99633

Buchanan, C. *see* Ferguson, T. 9—63494

Buchanan, D.N.E. *see* Bates, C.W., Jr. 9—78838

Buchanan, D.N.E. *see* Wertheim, G.K. 9—69403

Buchanan, H.L. *see* Neil, V.K. 9—54737

Buchanan, J.A., Clement, J.M. Microprocessor-controlled target polarization monitor 9—88990

Buchanan, V., Kassner, D., Polk, I. The ISABELLE magnet support and adjustment system 9—76198

Buchar, J., Bilek, Z., Sykora, M. Mechanical properties of structural steels under impulsive loading 9—91742

Buchdahl, H.A. On a Lagrangian for non-minimally coupled gravitational and electromagnetic fields 9—71328

Buchdahl, H.A. Quadratic Lagrangians and Palatini's device 9—75417

Buchdahl, H.A. Representation of the Einstein-Proca field by an A_4* 9—75418

Buchdahl, H.A. Regular general relativistic charged fluid spheres 9—92998

Buche, G. *see* Mechtersheimer, G. 9—93666

Bucheler, E. *see* Grabbe, E. 9—100726

Buchen, P.W. The elastodynamic Green's tensor for the 2D half-space 9—68581

Buchenau, U. *see* Kataoka, Y. 9—51020

Buchenau, U. *see* Lottner, V. 9—99186

Buchert, J. *see* Jankowiak, R. 9—99865

Buchet, J.P. *see* Knystautas, E.J. 9—59389

Buchet-Poulizac, M.C. *see* Knystautas, E.J. 9—59389

Buchheim, W., Irmer, G. On the theory of galvanic polarization in solids with electrolytic pore filling 9—88344

Buchholz, B., Kronfeldt, H.-D., Winkler, R. Level classification in the configuration $5d^46s^26p$ of ^{185,187}Re I by isotope shift 9—49988

Buchholz, D., Fredenhagen, K. Charge screening and mass spectrum in Abelian gauge theories 9—75686

Buchholz, D., Lopuszanski, J.T. Non-local charges: a new concept in quantum field theory 9—71596

Buchin, V.A., Vatazhin, A.B., Pudov, M.B. Electrical charging of bodies as a consequence of charged-particle extraction by a hydrodynamic flow 9—64783

Buchinger, F. *see* Dabkiewicz, P. 9—49576

Buchinskii, Ya.V., Stolyarov, A.A., Yavorskii, B.I. Instrument for determining the difference between light fluxes 9—97415

Buchler, J.R., Perdang, J. Thermal relaxation oscillations in a two-zone model 9—96990

Buchler, J.-R. *see* Littleton, J.E. 9—62810

Buchmann, P., Baumgartner, W. Adaptor-unit for secondary-ion analysis by quadrupole mass-filter 9—75650

Buchner, S.P. *see* Beck, W.A. 9—99434

Buchsbaum, W.H. A novel precision testing technique for intensive care instrumentation 9—70687

Buchwald, M.I. *see* Bushnell, A.H. 9—50283

Buchwald, M.I. *see* McDowell, R.S. 9—94218

Buchwald, V.T. The diffraction of elastic waves by small cylindrical cavities 9—68636

Buck, H.M. *see* Kemper, M.J.H. 9−63919
Buck, H.M. *see* Kemper, M.J.N. 9−61880
Buck, J. *see* Marx, D. 9−65304
Buck, O. *see* Ahlberg, L.A. 9−74192
Buck, O. *see* Chang, R. 9−69189
Buck, R.P. *see* Mathis, D.E. 9−83534, 9−83535
Buck, U., Mattera, L., Pust, D., Haaks, D. Ultraviolet emission in Xe+Xe collisions near threshold 9−54799
Buck, U. *see* Aziz, R.A. 9−68292
Buck, V. Structure of Be films quenched from the vapour 9−73414
Buckel, W. *see* Leitz, H. 9−99459
Bucker, H.P. Propagation in a liquid layer lying over a liquid half-space (Pekeris cut) 9−68464
Buckingham, B. *see* Aveni, A.F. 9−53954
Buckingham, E. *see* Hood, D.C. 9−79557
Buckingham, J.D., Holme, A.E., Fuhrmann, W. Recent advances in the design of helium mass spectrometer leak detectors and their application to industrial leak detection 9−63247
Buckingham, M.J. On the response of steered vertical line arrays to anisotropic noise 9−90103
Buckius, R.O., Hwang, D.C. Conservative anisotropic scattering in a planar medium with collimated radiation 9−55319
Buckius, R.O., King, R. Diffuse solar radiation on a horizontal surface for a clear sky 9−83575
Buckius, R.O. *see* King, R. 9−74948
Buckle, E.R., Tsakiropoulos, P. Crystallography of metallic areosol precipitates: dendritic origin of hexagonal prisms in Cd and Zn 9−66366
Buckler, A.N. An analytical treatment for multilayered reflector regions in neutron diffusion codes 9−93683
Bucklew, J., Gallagher, N.C., Jr. Comprehensive error models and a comparative study of some detour-phase holograms 9−98311
Buckley, B.D., Burke, P.G., Vo Ky Lan R-matrix calculations for electron-molecule scattering 9−59571
Buckley, B.D. *see* Bottcher, C. 9−89794
Buckley, D.H. *see* Miyoshi, K. 9−96150
Buckley, J. *see* Winicov, H. 9−52628
Buckley, J.R., Gammelsrod, T., Johannessen, J.A., Johannessen, O.H., Roed, L.P. Upwelling. Oceanic structure at the edge of the Arctic ice pack in winter 9−92547
Buckley, R.J. New orbits for some nineteenth-century comets 9−96975
Buckley, W.M. *see* Mann, L.G. 9−54378
Buckley-Golder, I.M., Humphreys, C.J. A theoretical study of temperature distributions during Czochralski crystal growth 9−60288
Buckley-Golder, I.M., Tanner, B.K. Deformation studies of initially dislocation-free copper crystals. II. Constant strain rate tests on Cr-plated crystals 9−83276
Bucklow, I.A. Possible methods for NDT of sprayed coatings 9−83431
Buckman, A.B., Kuo, C. Coupled surface plasmons in structures with thin metallic layers 9−56873
Buckman, R.W. *see* Bowen, W.W. 9−49823, 9−89479
Buckman, S.J., Teubner, P.J.O. Differential cross sections for the electron impact excitation of the $3^2P_{1/2,3/2}$ resonance levels of sodium 9−59584
Buckman, S.J., Teubner, P.J.O. Electron polarised photon coincidence parameters for the sodium D lines 9−98225
Bucknam, R.C. *see* Anderson, R.E. 9−79803
Bucknell, M.J., Godwin, J.G., Peach, J.V. Studies of rich clusters of galaxies. V. Photometry and luminosity functions for eight clusters 9−88752
Bucksbaum, P. *see* Chu, S. 9−64364
Buculei, M. Equations of movement of curvilinear elements of linear elastic properties, of plane mechanisms 9−94495
Bucur, R.V. Sorption of hydrogen by thin palladium layers studied with the piezoelectric quartz crystal microbalance 9−60626
Bucur, R.V. *see* Mecea, V. 9−88914
Buczko, J. Audiometers of Medicor Works 9−62384
Buda, A.J., Goris, M.L., Doherty, P.W., McLaughlin, P.R., Kriss, J.P., Harrison, D.C. Results of computer processing in thallium-201 myocardial perfusion imaging 9−62356
Buda, A.J. *see* Goris, M.L. 9−70625
Buda, M.J., Zmija, J. Diffusion of transition metals in mercury telluride single crystals 9−77818
Budagov, Yu.A. *see* Abdinov, O.B. 9−89334
Budanov, V.G., Bur'yanov, V.B., Kusakov, O.M., Solov'ev, V.D. Deep crustal architecture in the fractured zone of the Middle-Atlantic Ridge (7-9° NL) 9−96747
Budd, D.L. *see* La Mar, G..N. 9−92152
Budd, H.F. *see* von Gutfeld, R.J. 9−73387
Budde, W. Multidecade linearity measurements on Si photodiodes 9−75592
Budde, W. Polarization effects in gloss measurements 9−80662
Budding, E. *see* Awadalla, N.S. 9−92799
Budenkov, B.A., Borodin, Yu.P., Kolmogorov, V.N., Sosedov, V.N., Syrov, A.V. A basic instrument for investigations and inspection by the acoustic emission method 9−52582
Budennaya, L.D., Gorbik, P.P., Komashchenko, V.N., Fedorus, G.A., Sharkina, E.V. Preparation of $Zn_xCd_{1-x}S$ solid-solution films and their use in heterojunction optical energy converters 9−95488
Budennaya, L.D., Mizetskaya, I.B., Nuzhnaya, T.P., Sharkina, E.V. Formation of solid solutions by the interaction of cadmium telluride and cadmium sulphide 9−100120
Buder, H. *see* Unterreitmeier, E. 9−84503
Buder, R. *see* Massenet, O. 9−91214
Buder, R. *see* Schlenker, C. 9−78337
Budevski, E. *see* Van Der Eerden, J.P. 9−60630
Budgor, A.B. The method of differential areas for computing crystal symmetry independent density of states spectra 9−82508
Budiansky, B. *see* Durban, D. 9−64529
Budick, B. Decay of Σ^-n dibaryons 9−85298
Budik, L. *see* Tomek, C. 9−88230
Budilov, V.A. *see* Avdeichikov, V.V. 9−97711
Budilov, V.K. *see* Baradzei, L.T. 9−80159
Budiman, B. *see* Machbitz, M. 9−85596
Budin, J.-P., Michel, J.-C., Auzel, F. Oscillator strengths and laser effect in $Na_2Nd_2Pb_6(PO_4)_6Cl_2$ 9−55140
Budinger, T.F. Thresholds for physiological effects due to RF and magnetic fields used in NMR imaging 9−66484
Budinger, T.F., Derenzo, S.E., Gullberg, G.T., Huesman, R.H. Trends and prospects for circular ring positron cameras 9−66524
Budinger, T.F. *see* Derenzo, S.E. 9−66533
Budinger, T.F. *see* Tsui, E.T. 9−66513
Budini, P. Quarks as conformal semi-spinors 9−97572
Budini, P., Furlan, P., Raczka, R. Weyl and conformal covariant field theories 9−80749
Budker, G.I., Karliner, M.M., Makarov, I.G., Morozov, S.N., Nezhevenko, O.A., Ostreiko, G.N., Shekhtman, I.A. The gyrocon, a highly efficient converter of energy from powerful relativistic beams for microwave supplies in charged-particle accelerators 9−72176
Budker, G.I., Skrinskii, A.N. Electron cooling and new possibilities in elementary particle physics 9−68118
Budkevich, B.A. *see* Kuz'michev, A.A. 9−64184
Bud'ko, N.I. Transformation of ordinary and extraordinary low-frequency waves in a multicomponent plasma 9−53661
Budnev, V.M., Kaloshin, A.E. Interference of δ and S* mesons in the process $ee \to eeK\bar{K}$ 9−80832
Budnev, V.M., Karnakov, V.A. Decay of the η-meson to $\gamma\mu^+\mu^-$ in the vector dominance model 9−58954
Budnev, V.M., Karnakov, V.A. Relation between polarizabilities of proton and pion 9−93420
Budnick, J.I., Burch, T.J., Niculescu, V., Raj, K. Studies of selective site substitution and spin polarization in systems based on Fe_3Si 9−78583
Budnick, J.I. *see* Burch, T.J. 9−69732, 9−78055
Budnick, J.I. *see* Hines, W.A. 9−61050
Budnick, J.I. *see* Niculescu, V. 9−65762
Budnikov, V.A. *see* Volarovich, M.P. 9−92529
Budnikov, V.I., Kosolapov, S.V. Boiling-channel stability [BWR steam generator] 9−89353
Budnikov, V.I., Kosolapov, S.V., Kramerov, A.Ya., Sabaev, E.F. Stability of the radial and azimuthal energy distribution in a boiling-water reactor 9−97749
Budnitskii, A.A. *see* Rudenko, T.I. 9−53060
Budnitz, R.J. *see* Lewis, H.W. 9−97821
Budov, V.M., Golovko, V.F., Grdlichko, E.M., Lukasevich, B.I., Loginov, S.A., Savin, N.I. The design and experimental testing of intermediate heat exchangers 9−97785
Budrugeac, P. Comments on 'Note on the spreading pressure of an adsorbed film' by J.G. Dash, J. Suzanne, H. Schechter, and R.E. Peierls 9−73408
Budrugeac, P., Vass, M.I. On the surface stress and surface tension of gas-solid interface 9−60627
Budtov, V.P. The effect of fluctuational network of nodes on molecular motion of polymers 9−51011
Budtov, V.P. Viscosity of the solutions of polymer mixtures 9−65236
Budtov, V.P., Domnicheva, N.A. The analysis of structure-forming solutions by the methods of double light refraction and viscosimetry 9−94745
Budtov, V.P., Gladyshev, G.P., Yanovskaya, N.K. Processes in the solar system: on one of the versions of the strict theory of periodic reactions in space and time 9−62764
Budtov, V.P. *see* Matveev, V.V. 9−66191
Budtz-Jorgensen, C. *see* Knitter, H.-H. 9−85567
Budyak, A.A. Approximate solution of the problem of jet flow around curvilinear obstacles 9−81933
Budylkin, N.I. *see* Agapova, N.P. 9−97814
Budzinski, E.E., Potter, W.R., Potienko, G., Box, H.C. Characteristics of trapped electrons and electron traps in single crystals 9−78037
Budzynski, T. *see* Adamczewska, J. 9−65346
Buehler, E. *see* Wernick, J.H. 9−74080
Buehler, M.G. *see* Koyama, R.Y. 9−88951
Buelow, F.H. *see* Malik, M.A.S. 9−70465
Buelt, J.L. *see* Chapman, C.C. 9−59214
Buenerd, M., Bonhomme, C., Lebrun, D., Martin, P., Chauvin, J., Duhamel, G., Perrin, G., de Saintignon, P. Inelastic scattering of 108.5 MeV ^{3}He particles at very small momentum transfer to the giant monopole resonance of ^{90}Zr and ^{208}Pb 9−71828
Buenerd, M. *see* Arvieux, J. 9−85512
Buenerd, M. *see* Ortiz, M.E. 9−67769
Buenker, R.J. *see* Peyerimhoff, S.D. 9−89611, 9−98231
Buenker, R.J. *see* Preuss, R. 9−49947
Buenker, R.J. *see* Romelt, J. 9−86032
Buenker, R.J. *see* Shih, S.-K. 9−94106
Buenker, R.J. *see* Zeitz, M. 9−76349
Bueno, L.P. Microscopic and macroscopic gravitational fields, study of gravitational collapse 9−93016
Buerger, M.J., Shoemaker, G.L. An X-ray powder camera for taking photographs at low temperatures 9−58099
Buevich, Yu.A. Mechanism of moment transfer from a body in a developed fluidized bed 9−81961
Buevich, Yu.A., Ellengorn, S.M. Onset of fluidization in a conical system 9−90327
Buevich, Yu.A., Galontsev, V.L. Vibrational fluidization of a shallow granular bed 9−72939
Buevich, Yu.A., Kharisova, N.M. Influence of gas flow through the vibrating grid on the hydrodynamics of a shallow vibrofluidized bed 9−86509
Buevich, Yu.A., Lipkina, E.Kh. Disruption of thin liquid films 9−65297
Buevoz, J.L. *see* Babot, D. 9−56507
Buevoz, J.L. *see* Barbara, B. 9−78331
Buevoz, J.L. *see* Gal, J. 9−51887
Bufe, C.G. *see* Bakun, W.H. 9−66625
Buff, J., Gerola, H., Stellingwerf, R.F. A predictability limit for collapsing isothermal spheres 9−75088
Buffa, A. *see* Holt, J.G. 9−81121, 9−100734
Buffam, C.J., Brignell, J.E. Particles and pulses in n-hexane 9−91059
Buffington, A. *see* Pollaine, S. 9−53732
Bufler, H. On the structure of equations for elastokinetics and elastostability 9−63046
Bufler, H. Generalized variational principles with relaxed continuity requirements for certain nonlinear problems, with an application to nonlinear elasticity 9−92942
Bufton, J.L., Cuadill, L.O., McGunigal, T.E., Piech, K.R. Skylab-Earth laser-beacon experiment: results and analysis 9−100945
Bufton, J.L. *see* Stewart, R.W. 9−58137
Bugaenko, L.T. *see* Raukhvarger, A.E. 9−69862
Bugaev, A.S., Gulyaev, Yu.V., Denisenko, V.V., Smbatyan, Zh.E. To the theory of acoustoelectronic phenomena in semiconductors in a variable electric field 9−51637
Bugaev, E.V., Bisnovatyi-Kogan, G.S., Rudzsky, M.A., Seidov, Z.F. The interaction of intermediate energy neutrinos with nuclei 9−93605
Bugaev, N.F. *see* Shubin, V.I. 9−83162
Bugaev, V.N., Ryzhkov, V.I. Statistical-thermodynamic theory of low-temperature interstitial structures in alloys with closed-packed hexagonal crystal lattice 9−51100
Bugai, E.A. *see* Tsirlin, Yu.A. 9−72204
Bugaichuk, N.T. *see* Arbuzov, M.P. 9−51063
Bugajski, A., Szwejkowski, J.M. The stress and strain state around a transversal bent fold taking into account stress relaxation 9−66651
Bugajski, S. Measures on operational logics 9−75401
Bugakov, A.V., Ievlev, V.M., Povalyaev, A.D., Postnikov, V.S. Burgers vectors of grain-boundary dislocations for materials with diamond lattice 9−73176
Bugakov, A.V. *see* Ijevlev, V.M. 9−90922
Bugakov, I.F. *see* Belyaevskii, A.I. 9−84597
Bugal'ter, S.A., Zhislin, G.M. Discrete spectrum of the energy operator of an n-particle quantum system 9−85006
Bugarinovic, Dj. *see* Nikolic, P.M. 9−56752
Bugden, G.L. The deformation of pack ice by ridging 9−70807
Bugeat, J.P., Ligeon, E. Lattice location and trapping of hydrogen implanted in FCC metals 9−55769
Bugg, D.V. NN scattering below 1 GeV 9−63501
Bugg, D.V. $\Delta\sigma_L$(NN) between 400 and 600 MeV 9−97632
Bugg, D.V., Edgington, J.A., Gibson, W.R., Wright, N., Stewart, N.M., Clough, A., Gibson, D., Axen, D.A., Ludgate, G.A., Oram, C.J., Robertson, L.P., Amsler, C., Richardson, J.R. NP triple scattering experiments and I=0 NN phase shifts 9−67594
Bugg, W.M. *see* Brick, D. 9−58980

Buggisch, H. Resonant vibrations of a continuum with one relaxing internal degree of freedom 9—90178

Buglaev, A.M. *see* Pamfilov, E.A. 9—52523

Buglaev, V.T., Zaitsev, Yu.I., Kuz'min, A.A., Lifshits, M.N., Maistrovskii, L.B. Measuring temperature by means of thermistors 9—85137

Buglia, J.J. *see* Remsbuerg, E.E. 9—92563

Bugorskii, A.P., Vovenko, A.S., Volkov, A.A., Kartasheva, V.G., Kochetkov, V.I., Lapin, V.V., Mukhin, A.I., Sviridov, Yu.M., Fakhrutdinov, R.M. Reconstruction of IHEP neutrino beam energy spectra 9—68119

Bugorskii, A.P. *see* Baranov, D.S. 9—54334

Bugrov, E.A., Levanenko, V.A., Leonov, V.N., Seergeev, M.A., Yushchenko, V.I. Application of systems with astrocorrections for testing gyroinstruments under operating conditions 9—71413

Buhite, J.L., Owen, D.R. An ordinary differential equation from the theory of plasticity 9—94502

Buhl, D. *see* Abbas, M.M. 9—100971

Buhl, S. *see* Nikutta, W.P. 9—76320

Buhler, K., Kirchartz, K.R., Oertel, H., Jr., Karlsruhe Steady convection in a horizontal fluid layer 9—55368

Buhler, R.E. *see* Ha, T.-K. 9—85948

Buhler, S. Better liquid helium withdrawal from a liquefier 9—58745

Buhler, S. Better LHe withdrawal from a liquefier 9—67306

Buhler, S. *see* Kircher, F. 9—54222

Buhlert, K.-J., Feldmann, J. A measuring procedure for determining structure-borne sound and its transmission 9—50509

Buhling, D. *see* Bruckner, W. 9—99587

Buhmann, D., Schulz, H.-J., Thiede, M. Photoluminescence of CdS:V,Cu crystals 9—83027

Buhrer, W., Furrer, A., Halg, W. Low-energy excitations of hydrogen and deuterium in $LaNi_5$ 9—77699

Buhrig, E. *see* Becherer, H. 9—52094

Buhring, R. *see* Brandelik, R. 9—63491, 9—93441

Buhrman, R.A. *see* Bastuscheck, C.M. 9—63219

Buhrman, R.A. *see* Craighead, H.G. 9—52037

Buhrman, R.A. *see* Warlaumont, J. 9—65602

Buhrman, R.A. *see* Warlaumont, J.M. 9—82720

Bui, D.M. *see* Thompson, D.J. 9—100630

Bui, H.Duong *see* Duong Bui, H.

Bui Ai, Lebarbier, D., Hoang The Giam, Bapt, J.C., Farzaneh, M. High-pressure apparatus for dielectric measurements in high frequency 9—67346

Bui Minh Duc *see* Jardin, C. 9—100468

Buikman, D. *see* Barber, D. 9—54289, 9—54346

Buikman, D. *see* Barber, D.P. 9—89175, 9—97631

Buinovskii, A.M. *see* Larin, G.V. 9—52519

Buishvili, L.L., Tugushi, A.I. Theory of nuclear spin-lattice relaxation in weak static fields 9—69741

Buisson, J. Checking to ensure that installations are not affected by electrical-interference 9—89465

Buisson, J. *see* McCaskill, T. 9—54110

Buisson, R., Chicault, R., Madeore, F., Romestain, R. Analysis of permanent resistive states created by light pulses in superconducting films 9—56450

Buisson, R. *see* Vial, J.C. 9—95820

Buitrago, J. A three-dimensional equation for the inversion of the zodiacal light brightness integral 9—75155

Buitrago, R., Toth, L.E., Goldmann, A.M., Dayan, M. Electron tunnelling in high-T_c 'Nb_2Ge' films 9—56401

Buitrago, R.H., Toth, L.E., Goldman, A.M. Study of the Ge surface segregation in superconducting sputter-deposited Nb_3Ge films using Auger electron spectroscopy 9—56084

Buitrago, R.H., Toth, L.E., Goldman, A.M. Superconducting T_c's and phase relationships of sputter-deposited Nb_3Ge 9—56344

Buivol, V.N., Shevchuk, Yu.R. Determination of the form of developed cavities with forces of gravity and surface tension taken into account 9—64719

Buja, Z. *see* Baiburina, S.G. 9—80156, 9—80170

Buja-Bijunas, L. *see* Shahabuddin, M.A.M. 9—54427

Bujarbarua, S., Shukla, P.K., Yu, M.Y. Near-Alfvenic upper-hybrid envelope solitons 9—98898

Bujor, M. *see* Pantel, R. 9—65323

Buka, A., Owen, P.G., Price, A.H. Dielectric relaxation in the nematic and isotropic phases of n-heptyl- and n-heptoxy-cyanobiphenyl 9—82151

Buka, A., Owen, P.G., Price, A.H. Dielectric relaxation in MBBA 9—82153

Bukatar', M.I. *see* Lenyuk, M.P. 9—50566, 9—76971

Bukatov, A.E. The effect of longitudinal tension on the development of flexural-gravity waves in a solid ice cover 9—100855

Bukatov, A.E., Mordashev, V.I. On the effect of surface tension upon the development of waves from periodic disturbances in a two-layer fluid 9—100856

Bukatova, I.L., Elinson, M.I., Morozov, N.A., Sharov, A.M. Computational possibilities of an optical binary discrete deflector with degeneracy of the deflection angles 9—55239

Buker, H. *see* Stein, G. 9—85687

Bukhalenko, V.V. *see* Dekhtyar, I.Ya. 9—60560, 9—87314

Bukhalova, G.A. *see* Mardirosova, I.V. 9—78943

Bukhonin, Yu.S. Integral scanning of images in thermal viewing systems 9—50402

Bukhonin, Yu.S., Shlishevskii, V.B. Signal-to-noise ratio in spectrometers with random rasters 9—54193

Bukhshtab, E.I. *see* Komnik, Yu.F. 9—65571

Bukhvis, G.S. *see* Sivets, V.N. 9—76925

Bukhvostov, A.P. *see* Lipatov, L.N. 9—71632

Buki, A.A. *see* Fedorov, V.G. 9—87731

Buki, A.Yu., Shevchenko, N.G., Polishchuk, V.N., Khomich, A.A., Chkalov, I.I. Transversal and longitudinal form factors for electrodisintegration of the nucleus ^{9}Be at small momentum transfer 9—80927

Bukietynska, K. *see* Legendziewicz, J. 9—65860

Bukin, G.V. *see* Akhumyan, A.A. 9—89878

Bukke, E.E. *see* Arkhangel'skii, G.E. 9—60389

Bukki, S.M. *see* Aidinova, D.M. 9—68139

Buklanov, G.V. *see* Druin, V.A. 9—59101

Buklei, A.E. *see* Bayukov, Yu.D. 9—49538

Buklova, O.A. *see* Golubev, V.P. 9—93259

Bukovich, I.V. *see* Shul'man, Z.P. 9—77264

Bukovitz, A.G. *see* Gur, D. 9—59284, 9—59285

Bukovshin, V.G. *see* Amarantova, I.I. 9—81918

Bukow, H.H. *see* Sander, U. 9—55794

Bukowska, J. On the assignment of the NH_2 stretching modes in the vibrational spectrum of formamide 9—89675

Bukowski, A., Dzwigala-Lugowska, H. An investigation on the influence of thermal stabilizer content on the properties of polypropylene 9—70099

Bukowski, R.W., Mulholland, G.W. Smoke detector design and smoke properties 9—63331

Bukreev, E.N., Gulyaenko, A.B., Kalinchak, A.I., Tonkonogii, Yu.L. Selection of thermal operating regimes for fuel cell reactor-condenser systems 9—87987

Bukreev, Yu.F. *see* Ivanov, B.N. 9—96388

Bukreyev, V.I., Zykov, V.V., Kostomakha, V.A. Probability distribution of velocity fluctuations in turbulent free and wall flows 9—98804

Buksha, Yu.K. *see* Proshkin, A.A. 9—76090

Bukshpan, S. *see* de Waard, H. 9—65772

Bukumenko, V.L. *see* Kurbatov, L.N. 9—69605

Bukur, D.B. *see* Levenspiel, O. 9—94703

Bukvetskii, B.V., Muradyan, L.A., Simonov, M.A., Simonov, V.I. Refinement of the crystal structure of strontium hexafluorotitanate dihydrate $SrTiF_6.2H_2O$ 9—94979

Bulabois, J. *see* Courjon, D. 9—81388

Bulaevski, L.N., Rusinov, A.I., Kulic, M. Helical order of spins in superconductors 9—65588

Bulaevskii, L.N. *see* Buzdin, A.I. 9—61254

Bulakh, E.G., Korchagin, I.N. Some aspects of modelling of mass distributions by gravimagnetic fields 9—96750

Bulakh, I.E. *see* Pan, V.M. 9—65525

Bulakh, V.I. *see* Tonkonogov, M.P. 9—93163

Bulanin, M.O., Bulychev, V.P., Ladvishchenko, Yu.M. Temperature dependence of the self-broadening coefficient for the as R(1, 1) line of the $\nu_2$band of ammonia 9—98158

Bulanin, M.O., Popov, I.A. Self-resonance effects in molecular gases 9—89978

Bulanin, M.O. *see* Bertsev, V.V. 9—64247

Bulanin, V.V., Petrov, A.V. Investigation of the operation of a hybrid CO_2 laser 9—64246

Bulanin, V.V., Ushakov, S.N. Effect of a magnetic field on the characteristics of a floating RF plasma probe 9—64915

Bulanin, V.V., Zhilinskii, A.P., Petrov, A.V., Ushakov, S.N. Detection of plasma fluctuations using a homodyne method with a CO_2 laser 9—68957

Bulankin, N.K. *see* Abakumov, A.A. 9—67451

Bulanov, S.V., Dzhyun-Ichi Sakai, Syrovatskii, S.I. Disruptive instability in a quasi-stationary MHD configuration 9—55485

Bulanov, V.M. *see* Tatarinov, S.I. 9—93238

Bulanyi, P.F. *see* Polyakov, S.P. 9—90473

Bulatov, E.D., Vinogradov, E.A., Konyukhov, V.K., Prokhorov, A.M., Sisakyan, I.N., Tikhonov, V.I., Shishkov, P.O. Rotational nonequilibrium of $H_2{}^{16}O$ molecules in an ultrasonic flow of rarefied water vapor 9—50023

Bulavin, L.A., Shimanskii, Yu.I. Singularity in the diameter of the ethane coexistence curve 9—65179

Bulavin, V.V., Il'in, A.V., Nemanov, M.S., Filimonov, G.N. Method of investigation of the fretting-fatigue process in the contract zones between the shaft and the embracing part 9—57171

Bulawa, W.F., Clayton, P.D., Klausner, S.C., Jeppson, G.M., Marshall, H.W. A comparison of systolic and diastolic parameters for evaluation of ventricular function 9—70636

Buleev, N.I. Calculation of turbulent flow in annular gaps 9—55417

Buleyev, N.I. Turbulent flows of incompressible liquids in various channels 9—98805

Bulga, Z.T. A method to determine the optimum temperature curve to anneal glass articles 9—52279

Bulgakov, N.K. *see* Kalinin, B.N. 9—68123

Bulgakov, N.N. *see* Gorodetskii, V.V. 9—52774

Bulgakov, S.N. On the application of density models to diagnostic calculations of ocean currents 9—100860

Bulgakov, V.E. *see* Gol'den, A.D. 9—52585

Bulgakov, V.V., Gavrilyuk, V.I., Klyuchnikov, A.A., Kupryashkin, V.T., Makovetskii, Yu.V., Muzalev, P.N., Feoktistov, A.I., Frantsev, Yu.E. Determination of the internal conversion coefficients (ICC) on the L-subshells for the 100 keV E2-transition of ^{182}W 9—75909

Bulgakova, I.A. *see* Adamova, L.V. 9—65204

Bulgarovskaya, I.V., Zvonkova, Z.V., Kolninov, O.V. Crystal structures of 1:1 complexes pyromellitic acid N, N'-dimethyldiimide-carbazole and pyromellitic dithioanhydride-dibenzthiophene 9—94991

Bulger, J.H. *see* Giclas, H.L. 9—101118

Bulgin, D.K., Dyke, J.M., Jonathan, N., Morris, A. Vacuum ultraviolet photoelectron spectroscopy of transient species. IX. $ClO(X^2\Pi_i)$ radical 9—72359

Bulin, N.K. Upper mantle velocities on the northern Cocos plate—a discussion 9—57858

Bulinski, A.T. *see* Densley, R.J. 9—85145

Bulischeck, T.S. *see* van Rooyen, D. 9—93728

Buliya, N.P. A bending problem for shallow anisotropic shells of double curvature weakened by a very small circular hole 9—90151

Bulkin, Yu.M., Gavar, V.V., D'yakov, P.A., Kalnin'sh, D.O., Lysikov, B.V., Mamaev, Yu.M., Prozorov, V.K. Use of a thermometric fuel assembly in studies on IRT reactor safety 9—97837

Bull, C.J. *see* Ashburn, P. 9—82665

Bull, D.G. *see* Anderson, J.S. 9—68481

Bull, D.J., Patel, N.B., Prince, F.C., Nannichi, Y. Oxide defined TJS lasers in InGaAsP/InP DH structures 9—98389

Bull, G.L., Johns, M.E., McDonald, W.E., Bralley, R.C. The effects of Teflon injection on laryngeal dynamics 9—70560

Bull, G.L. *see* McDonald, W.E. 9—83804

Bull, J.M. *see* Schuette, W.H. 9—92423

Bull, R. *see* Hazen, W.E. 9—62703

Bull, R.K. *see* Balcazar-Garcia, M. 9—49907

Bull, S.R. *see* Klein, D.E. 9—59141

Bull, S.R. *see* Sohrabpour, M. 9—61928

Bull, T.E., Forsen, S., Turner, D.L. Nuclear magnetic relaxation of spin 5/2 and spin 7/2 nuclei including the effects of chemical exchange 9—65750

Bullard, R.L., Hobbs, C.W. Delineation of ion-implanted semiconductor devices for physical measurement 9—77619

Bullen, D.J. *see* Allen, N.S. 9—83008

Buller, T.L., Turnbull, R.J., Kim, K. Acceleration of solid pellets using a plasma gun 9—90470

Bullett, D.W., Kelly, M.J. The electronic properties of model amorphous semiconductor structures 9—65974

Bullett, D.W. *see* Kelly, M.J. 9—87032

Bulloch, C. Space science: what's up and what's coming 9—80190

Bullock, D. *see* O'Keefe, D. 9—98350

Bullock, E., Lea, C., McLean, M. Effect of yttrium on oxidation behaviour of γ-γ'-Cr_3C_2 eutectic during thermal cycling of 1373 and 1493K 9—74310

Bullock, F. Neutrinos: the little neutral ones 9—49002

Bullock, F.W. *see* Armenise, N. 9—67533

Bullock, F.W. *see* Bonetti, S. 9—49509

Bullock, F.W. *see* Morfin, J.G. 9—71740

Bullock, J.I., Ladd, M.F.C., Povey, D.C., Tajmir-Riahi, H.-A. Schiff-base complexes of calcium: crystal structure analysis of dinitrato[N,N'-propane-1,3-diylbis(salicylideneimine)]calcium(II) and the spectroscopic properties of some related complexes 9—99171

Bullock, J.O. *see* Schauf, C.L. 9—88072

Bullock, K.R. The effect of phosphoric acid on the positive electrode in the lead-acid battery. II. Constant potential corrosion studies 9—92071

Bullock, R.E., Kaae, J.L. Size effect on the strength of glassy carbon 9—52309

Bullough, K. *see* Smith, A.J. 9—74975

Bullough, R., Hayns, M.R., Woo, C.H. The sink strength of dislocation loops and their growth in irradiated materials 9—99246

Bullough, R.K., Dodd, R.K. Solitons in mathematics: brief history 9—75365

Bullough, R.K. *see* Abraham, E. 9—55173

Bullough, R.K. *see* Kitchenside, P.W. 9—75403, 9—82411

Bullough, W.A. High-gradient magnetic separation in the region of high aerodynamic loading 9—86108

Bulos, F. *see* Chestnut, R. 9—89531

Buloshnikov, A.M., Gokhberg, M.B., Kopytenko, Yu.A., Novikov, Yu.P., Raspopov, O.M., Troitskaya, B.A. Characteristics of the spatial distribution of geomagnetic Pc 3 pulsations at the surface of the Earth 9—53659
Bulou, A., Theveneau, H., Trokiner, A., Papon, P. ^{87}Rb NMR study at the cubic tetragonal phase transition in $RbCaF_3$ 9—82885
Bulovic, V. *see* Krtil, J. 9—63746
Bulovic, V. *see* Sus, F. 9—89373
Bulsara, A.R., Lindenberg, K., Seshadri, V., Shuler, K.E., West, B.J. Stochastic processes with non-additive fluctuations. II. Some applications of Ito and Stratonovich calculus 9—85079
Bulsara, A.R., Schieve, W.C. Entropy and stability in a stochastic laser model 9—50279
Bulsara, A.R., Schieve, W.C. Semiclassical stochastic description of the two-photon laser 9—76657
Bulsara, A.R. *see* Gragg, R.F. 9—76652
Bulsara, A.R. *see* West, B.J. 9—85078
Bulthuis, J. *see* Lopes Cardozo, H.A. 9—94016
Bulucea, C.D. *see* Rusu, A.C. 9—51677
Bulyanitsa, D.S., Grinberg, A.A. Optical transitions between levels of a deep impurity center 9—61410
Bulyarskii, S.V., Burbulya, N.F., Vaisbein, Zh.Yu., Golban, G.N., Samus', I.D. Preparation and study of physical properties of thin films of nickel, palladium, and platinum dimethylglyoxymates [for temperature transducers] 9—90923
Bulychev, D.K. *see* Gaivoronskii, A.T. 9—70029
Bulychev, V.P. *see* Bulanin, M.O. 9—98158
Bulyga, B.B., Goltsev, V.P. Radiation swelling of type X16H15M3B steel and the possibility of predicting with its aid the conditions of fast reactors 9—67870
Bulygin, A.S., Bil'kov, G.I., Martynov, N.V. Determination of the thickness of thin films on metals 9—70244
Bulyginskii, D.G. *see* Andreev, V.N. 9—65845
Bulyshev, A.E. Use of regularization in the absorption method for investigating emission spectra 9—98250
Bulyshev, A.E., Preobrazhenskii, N.G. Inverse problem for experiments on sensitized fluorescence 9—98020
Bulyshev, A.E., Preobrazhenskii, N.G., Suvorov, A.E. Luminescence of a finite cylindrical volume of gas 9—77334
Bumazov, V.A. *see* Givernaud, A. 9—58982
Bumyalis, A.I. *see* Bal'kyavichyus, P.I. 9—56890
Bunakov, V.E., Ermakov, K.N., Nesterov, M.M., Stabnikov, M.V., Tarasov, N.A., Tverskoi, M.G. On the direction of propagation of compression waves in nuclear matter 9—75882
Bunakov, V.E., Nesterov, M.M., Tarasov, N.A. Solution of the nuclear kinetic equations for quasi-equilibrium systems and descriptions of the energy spectra of the secondary nucleons 9—75928
Bunakov, V.E. *see* Bakanov, L.V. 9—75988
Bunatyan, G.G. Temperature dependence of π-condensate instability 9—80879
Bunazarov, D.B. *see* Abdullayev, B. 9—91544
Bunch, P.C., Hamilton, J.F., Sanderson, G.K., Simmons, A.H. A free-response approach to the measurement and characterization of radiographic-observer performance 9—74752
Bunclark, P.S. *see* Brown, A. 9—67005
Bunde, A., Diederich, S. Systematic approach to the statics and dynamics of phonon systems with quartic anharmonicity 9—73260
Bunditkul, S., Wen-Jel Yang Laminar transport phenomena in parallel channels with a short flow construction 9—81886
Bundy, F.P., Dunn, K.J. Electrical behavior of Se and Te to pressures of about 500 kbar 9—99589
Bundy, J.J. *see* Jassby, D.L. 9—50898
Bundy, M.L., Lerner, J., Messier, D.L., Rooney, J.A. Effects of ultrasound on transport in avian erythrocytes 9—96613
Bune, V.I. *see* Alvarez, L. 9—74852
Buneman, O. *see* Nielsen, D. 9—60185
Bunemann, D. *see* Wille, P. 9—60556
Bunev, V.A., Babkin, V.S. Synergy in flame-propagation processes 9—100370
Bunge, A.V., Bunge, C.F. Electron affinity of helium $(1s2s)^3S$ 9—59591
Bunge, C.F. Accurate calculations for the even-parity core-excited ^2P states of neutral Li 9—54782
Bunge, C.F. *see* Bunge, A.V. 9—59591
Bunge, C.F. *see* Silver, D.M. 9—68198
Bunge, E. Automatic forensic speaker recognition 9—94422
Bunge, H.J. Methods of ODF calculation 9—86734
Bunger, M., Jelitto, R.J. On the phase diagram of itinerant magnets in the presence of unmagnetic electron bands 9—91202
Bunget, I., Leonovici, M.R., Mihai, V., Alexandru, H., Steflea, M., Ioanid, A., Popescu, M. Physical properties of polycrystalline cadmium sulphide obtained by ceramic technology 9—60837
Bunget, I. *see* Leonovici, M.R. 9—82930
Bungum, H., Hokland, B.K., Husebye, E.S., Ringdal, F. An exceptional intraplate earthquake sequence in Meloy, Northern Norway 9—74855
Bunimovich, L.A. On the ergodic properties of nowhere dispersing billiards 9—49025
Bunin, K.P., Gerasimenko, V.P., Movchan, V.I., Pedan, L.G. Structure of austenite-carbide colonies in carburised Fe-Mo alloys 9—52449
Bunin, K.P., Movchan, V.I., Nikiforova, V.V. Movement of interphase boundaries during $\alpha \rightarrow \gamma$ recrystallization of Fe-Si alloys in the process of carburizing 9—52208
Bunin, K.P., Yatsenko, A.I., Gerasimova, T.I. Combined influence of phosphorus and cerium on structure of cast irons 9—52224
Bunin, V.G., Irgen, L.A. Influence of a plasticizer on the viscoelastic properties of polyvinyl chloride and the time-concentration analogy 9—52292
Bunker, B. *see* Stern, E.A. 9—59489
Bunkin, A.F. *see* Aslanyan, L.S. 9—71511, 9—98110
Bunkin, F.V. *see* Ageev, V.P. 9—91540
Bunkin, F.V. *see* Apollonov, V.V. 9—64267
Bunkin, F.V. *see* Bozhkov, A.I. 9—90107, 9—90731
Bunn, D.W. Design of a decomposed model for assessment of a utility measure on sulphur dioxide air pollution 9—66426
Bunn, F.E., Shepherd, G.G. The solar terrestrial event of 14-21 December 1971: the pattern of 6300 Å emission over the polar cap 9—75012
Bunnell, K. *see* del Papa, C. 9—49528
Bunnell, K.O. *see* Hill, D.G. 9—71744
Bunow, B. *see* Kernevez, J.P. 9—62173
Bunshah, R.F. Physical vapour deposition of wear resistant coatings 9—56935
BUnshor, R.L. *see* Lo, F.C. 9—78178
Buntaine, J.R. *see* Edwards, P.P. 9—87306
Buntebarth, G. The degree of metamorphism of organic matter in sedimentary rocks as a paleo-geothermometer, applied to the Upper Rhine Graben 9—70800
Bunto, T.V. *see* Murza, L.I. 9—70577
Bunto, T.V. *see* Sergeev, A.I. 9—70578
Bunyaev, M.D. *see* Khashchina, M.V. 9—88908
Bunyatov, G.S., Skoblo, V.Z. A digital loss meter in mechanical oscillating systems 9—60079
Bunyatov, S.A. Search of new particles and antinuclei 9—63615
Bunyatov, S.A. *see* Bel'kov, A.A. 9—54358, 9—71763, 9—93459
Buonanno, R. *see* Nandy, K. 9—88658
Buonomano, V. A limitation of Bell's inequality 9—58558
Buontempo, U., Cunsolo, S., Dore, P., Maselli, P. Density narrowing of a rotational line of H_2 dissolved in Ar 9—50086
Burachas, S.F. *see* Timan, B.L. 9—94935
Burakhovich, I.A., Kokshenev, V.B., Slusarev, V.A. Thermodynamic properties of quadrupole-ordered phase of simplest molecular crystals in classical approximation 9—82353
Burakhovich, I.A. *see* Slusarev, V.A. 9—56028
Burakov, D.A. A mathematical model for calculation of the spring flood hydrograph for marshy lowland basins 9—62538
Burakov, V.S., Kotomtseva, L.A., Misakov, P.Ya., Raikov, S.N. Investigation of the sensitivity of the intracavity method of analysis with the use of lasers operating in solutions of complex organic compounds 9—57328
Burakov, V.S., Lebedev, A.D., Misakov, P.Ya., Naumenkov, P.A., Nechaev, S.V., Razdobarin, G.T., Semenov, V.V., Sokolova, L.V., Folomkin, I.P. Resonance-fluorescence measurement of the atomic hydrogen radial profile in the FT-1 Tokamak 9—90467
Burakov, V.S., Misakov, P.Ya., Naumenkov, P.A., Nechaev, S.V., Raikov, S.N. Fluorescent detection of narrow absorption lines in intracavity atomic spectroscopy 9—52830
Buras, A.J. *see* Bardeen, W.A. 9—89130, 9—93426
Buras, B. *see* Staun Olsen, J. 9—81345
Buratti, P. *see* Ascoli-Bartoli, U. 9—60170
Buraygina, G.I., Falina, I.V., Fridman, I.V., Kozlov, P.V. The study of internal stresses in gelatin films 9—87645
Burbayev, D.Sh. *see* Blyumenfel'd, L.A. 9—79490
Burberry, M.S., Morrell, J.A., Albrecht, A.C. Local mode overtone intensities of C-H stretching modes in alkanes and methyl substituted benzenes 9—81207
Burbulya, N.F. *see* Bulyarskii, S.V. 9—90923
Burbulyavichyus, L.I. *see* Karpinskas, S.Ch. 9—51673
Burch, C.R. Application of the plate diagram to reflecting telescope design 9—94321
Burch, D.E., Gryvnak, D.A. Laboratory measurements of the infrared absorption by H_2O and CO_2 in regions of weak absorption 9—64005
Burch, G. Actinide determination by Rockwell Hanford Operations' Analytical Laboratories 9—81050
Burch, J.L. Effects of the interplanetary magnetic field on the auroral oval and plasmapause 9—80186
Burch, T.J., Raj, K., Jena, P., Budnick, J.I., Niculescu, V., Muir, W.B. Hyperfine-field distribution in $Fe_3Si_{1-x}Al_x$ alloys and a theoretical interpretation 9—69732
Burch, T.J., Weiler, C.A., Raj, K., Budnick, J.I., Niculescu, V., Papefthymiou, G.C., Frankel, R.B. Fe hyperfine fields in $Fe_{3-x}V_xSi$ alloys 9—78055
Burch, T.J. *see* Budnick, J.I. 9—78583
Burch, T.J. *see* Hines, W.A. 9—61050
Burcham, W.E., Squier, G.T.A., Barker, P.H., Freeman, J.M., Hoath, S.D. Measurement of the $^{38}Ar(p,n)^{38m}K$ threshold using a gaseous target 9—93619
Burchard, W. *see* Stockmayer, W.H. 9—64127
Burciaga, J.R. *see* Coleman, P.G. 9—89786
Burczak, J.D. *see* Major, M.A. 9—88153
Burczyk, K., Burger, H., Ruoff, A., Pinson, P. Vibrational spectra and force constants of symmetric tops: rotational analysis of ν_1, $\nu_1+\nu_6-\nu_6$, and $\nu_1+2\nu_5-2\nu_6$ of $CF_3{}^{79}Br$ and $CF_3{}^{81}Br$ near 1100 cm^{-1} 9—98090
Burczyk, K. *see* Burger, H. 9—76431
Burd, M.B. *see* Gol'den, A.D. 9—52585
Burda, T. *see* Grudzinski, K. 9—66256
Burdanov, N.G., Kostikov, L.E., Lozovetskii, V.V., Perevezentsev, V.V., Sulin, V.A. Average and local characteristics of the hydrodynamics and heat exchange in channels containing spherical elements 9—94712
Burden, M.St.J., Cross, K.B. Radio frequency plasma excitation 9—69995
Burden, M.St.J. *see* Goode, A.R. 9—69994
Burdess, J.S., Fox, C.H.J. The dynamics of a multigimbal Hooke's-joint gyroscope 9—54125
Burdess, J.S., Fox, C.H.J. The dynamics of an imperfect, multigimbal, Hooke's-joint gyroscope 9—54126
Burdess, J.S., Fox, C.H.J., Maunder, L. The response of a Hooke's-joint gyroscope to linear vibration 9—54124
Burdett, J.K. Application of 'molecular' theories to the structure of the crystalline state 9—55680
Burdick, L.J., Orcutt, J.A. A comparison of the generalized ray and reflectivity methods of waveform synthesis 9—84501
Burdick, L.J. *see* Ebel, J.E. 9—66627
Burdin, Yu.N. Intrinsic relaxation of spin waves in ideal ferromagnets due to dipole interactions 9—69664
Burdina, V.I. Isometric stereohedra of manifolds of revolution 9—82170
Burdina, V.I. Local transformations of rotation stereohedra 9—94939
Burdine, J.A., Murphy, P.H., DePuey, E.G. Radionuclide computed tomography of the body using routine radiopharmaceuticals. II. Clinical applications 9—83906
Burdine, J.A. *see* Murphy, P.H. 9—83905
Burdukov, A.P., Nakoryakov, V.Ye., Kuvshinov, G.G., Valukina, N.V., Koz'menko, B.G. Application of the electrodiffusion modeling method to investigation of hydrodynamics and transport processes in two-phase flow 9—90309
Burdygina, G.I. *see* Chenborisova, L.Ya. 9—52790
Burdzik, G.F. Field processing method developed for a separated-sector cyclotron 9—68037
Bureau, M., Healy, J.C., Bourgoin, D., Joly, M. Experimental study in vitro of the rheological behaviour of blood in the transient regime to low velocity shear flow 9—79582
Bureeva, L.A., Safronova, U.I. Calculated lifetimes in the neon isoelectronic sequence 9—89644
Burejko, S.F., Lange, I.Ya. Effect of hydrogen bond strength in the intermediate complex on proton exchange rate 9—96306
Burek, B.G. *see* Kurth, W.S. 9—84590
Burek, P.J., Walter, M.R., Wells, A.T. Magnetostratigraphic tests of lithostratigraphic correlations between latest Proterozoic sequences in the Ngalia, Georgina and Amadeus Basins, central Australia 9—84112
Buren, F.R.van *see* van Buren, F.R.
Burenin, A.V., Krupnov, A.F., Mart'yanov, S.V., Mel'nikov, A.A., Nikolayev, L.I. Submillimeter microwave spectrum of the hydrogen telluride molecule 9—59443
Burenin, A.V., Vaks, V.L., Malinsky, I.A. A new approach to obtaining sum rules 9—98062
Burenin, P.V. Thermoelectric effects in a linear-gradient n^+-n junction 9—73577
Burenko, O. Plasma equilibrium position dynamics of ISX-A Tokamak 9—77360
Bures, K., Brewer, W., Wilson, G.V.H. Nuclear orientation-magnetic resonance of ^{48}V nuclei in iron 9—61288
Bures, K. *see* Wilson, G.V.H. 9—63230
Buresti, G., Lanciotti, A. Vortex shedding from smooth and roughened cylinders in cross-flow near a plane surface 9—81911
Burford, R.O. *see* Slater, L.E. 9—79776
Burg, K.von *see* von Burg, K.
Burg, P.van der *see* van der Burg, P.
Burgan, J.R., Feix, M.R., Fijalkow, E., Gutierrez, J., Munier, A. Use of transformation groups for resolution of partial differential equations 9—49099
Burgar, M. *see* Blinc, R. 9—78635

Burgdorfer, J. Calculation of s-p coherence in hydrogen after electron capture 9—89773
Burge, G. Ag clusters on AgBr microcrystals (photographic latent image) produced by X-rays or by exposure to light at low temperature—an electrochemical investigation 9—83485
Burge, R. *see* Blackmore, E.W. 9—54699
Burge, R.E., Fiddy, M.A. Object reconstruction in electron microscopy from the real part of the scattered wave 9—93262
Burgemeister, E.A. Comment on 'Diamond: An efficient source of soft X-rays for high-resolution X-ray lithography' 9—97481
Burgemeister, E.A., Seal, M. Thermal conductivities of diamonds with absorption at 3.22 μm 9—73353
Burger, F., Maier, J.P. 'Charged particle oscillator' He(II) photon source 9—58845
Burger, H., Burczyk, K., Bielefeldt, D., Willner, H., Ruoff, A., Molt, K. Vibrational spectra and force constants of symmetric tops. XVI. Matrix IR spectra and harmonic force fields of CF_3Cl and CF_3Br-^{12}C and -^{13}C 9—76431
Burger, H., Pawelke, G. Vibrational spectra and normal coordinate analysis of CF_3-containing compounds. XX. Infrared and Raman spectra of $(CF_3)_2CH_2$ and $(CF_3)_2CD_2$ 9—68235
Burger, H., Pawelke, G. Vibrational spectra and normal coordinate analysis of CF_3-containing compounds. XXI. 2,2-dihalohexafluoropropane $(CF_3)_2CX_2$ (X=F,Cl,Br,I) 9—72314
Burger, H., Pawelke, G. Vibrational spectra and normal coordinate analysis of CF_3-containing compounds. XXIV. IR- and Raman spectra of the isobutane derivatives $(CF_3)_3CX$ (X=F,Cl,Br,I) 9—72317
Burger, H., Pawelke, G. Vibrational spectra and normal coordinate analysis of CF_3-containing compounds. XXV. IR- and Raman spectra of $(CF_3)_3CH$ and $(CF_3)_3CD$. Normal coordinate analysis of the compounds $(CF_3)_3CX$ (X=H,D,F,Cl,Br,I) 9—72318
Burger, H. *see* Burczyk, K. 9—98090
Burger, H. *see* Eujen, R. 9—72315, 9—72316
Burger, H. *see* McKean, D.C. 9—94104
Burger, J. *see* Barber, D. 9—54289, 9—54346
Burger, J. *see* Barber, D.P. 9—89175, 9—97631
Burger, J. *see* Becker, U. 9—59059
Burger, J. *see* Berger, C. 9—49519
Burger, J.P. *see* Bredenkamp, S.H. 9—56355
Burger, J.P. *see* McLachlan, D.S. 9—56448
Burger, J.P. *see* Nedellec, P. 9—56402
Burger, J.P. *see* Souffache, B. 9—78910
Burger, L., Zobor, E. On-line alarm analysis in the hierarchical control system of the WWR-SM research reactor 9—76104
Burger, N., Fuess, H. Neutron diffraction of the paraelectric and antiferroelectric phase of deuterated copper formate tetradeuterate 9—87404
Burger, W. On the material behaviour of simple fluids in periodic flow 9—86396
Burgerjon, J.J., Blaby, R.E., Arrott, A.S., Thorson, I.M., Templeton, T.L., Hodges, T.A., Langstaff, R.R. The TRIUMF thermal neutron facility 9—76222
Burges, S.J., Hoshi, K. Approximation of a normal distribution by a three-parameter log normal distribution 9—53389
Burges, S.J. *see* Lettenmaier, D.P. 9—53396
Burgess, A.W. *see* Dunfield, L.G. 9—50174
Burgess, D.D. *see* Baker, E.A.M. 9—73038
Burgess, D.D. *see* Mahajan, C.G. 9—94314
Burgess, J.W., Davis, R., Debney, B.T., Knight, J.R. Heterostructure GaAs solar cells 9—96450
Burgess, P.B. *see* Kennon, N.F. 9—61627
Burghardt, A., Bartelmus, G. Experimental determination of longitudinal dispersion in two-phase flow through packing 9—68796
Burghardt, A., Smith, J.M. Dynamic response of a single catalyst pellet 9—79282
Burghardt, R. Static and stationary axially symmetric fields of gravitation. I. Static fields 9—80473
Burghardt, R. Static and stationary axially symmetric fields of gravitation. II. Stationary 9—92997
Burgi, H.R., Gruebler, W., Nurzynski, J., Konig, V., Schmelzbach, P.A., Risler, R., Jenny, B., Hardekopf, R.A. A study of the elastic scattering of polarized deuterons from ^{60}Ni and ^{90}Zr nuclei 9—67756
Burgi, H.R. *see* Gruebler, W. 9—71858, 9—75953
Burgi, H.R. *see* Jenny, B. 9—76006, 9—85443
Burgi, H.R. *see* Konig, V. 9—75964
Burgi, H.R. *see* Schmelzbach, P.A. 9—71830
Burgi, H.R. *see* White, R.E. 9—63653, 9—71833
Burgkhardt, B. *see* Nollmann, C. 9—63821
Burgmans, A.L.J. Orientation and alignment relaxation of the 3^2P states of sodium measured at high vapor densities 9—76395
Burgoon, R., Fischer, M.C. Conversion between time and frequency domain of intersection points of slopes of various noise processes 9—54107
Burgorskii, A.P., Goryachev, V.N., Kochetkov, V.I., Kurbakov, V.I., Mukhin, A.I., Sviridov, Yu.M., Volkov, A.A., Vovenko, A.S. Estimate of the forward prompt muon yield from the proton-nucleus interactions at 70 GeV 9—97641
Burgov, N.A., Vlasov, M.K., Vorob'ev, L.S., Gerson, S.A., Kiselev, Yu.T., Leksin, G.A., Martem'yanov, A.N., Pivnyuk, N.A., Stolin, V.L., Terekhov, Yu.V., Ushakov, V.I., Chumakov, M.M. Inclusive spectra of protons and deuterons emitted under the angle of 162° at exposing of nuclear targets to the proton beams at the momenta of 2.2, 6, and 8.5 GeV/c 9—97710
Burgun, G. *see* Badier, J. 9—93460
Burhanov, G.S. *see* Savitsky, E.M. 9—52277
Burhop, E.H.S. *see* Angelini, C. 9—67548
Burhop, E.H.S. *see* Read, A.L. 9—49510
Burian, A., Niedzwiedz, M., Burian, A., Zdanowicz, L. The study of amorphous-to-crystalline transformation in cadmium arsenide 9—77519
Burian, A. *see* Burian, A. 9—77519
Burie, J. *see* Bauer, A. 9—76411
Buriez, J.C., Fouquart, Y., Fymat, A.L. Equivalent widths in spectropolarimetry can provide additional information on the atmosphere of Venus 9—70976
Burikov, A.A. *see* Kogan, A.B. 9—53076
Burilla, C.T. *see* Smith, A.B. 9—73786
Burinovich, I.F. *see* Ivashin, N.V. 9—54852
Burinskaya, T.M. Modulation instability of a magnetoactive plasma 9—98892
Burk, D. *see* Shewchun, J. 9—83596
Burkard, H. *see* Muller, K.A. 9—73877
Burke, D.G. *see* Bagnell, R.D. 9—89237
Burke, D.G. *see* Straume, O. 9—67626
Burke, D.L., Gustafson, H.R., Jones, L.W., Longo, M.J., Stockwell, R.E. Charged-particle production from neutron-nucleus collisions at 200 GeV/c 9—49554
Burke, D.L. *see* Abrams, G.S. 9—89149, 9—89174
Burke, E.A. *see* Spagnolo, F.A. 9—93937
Burke, J.J. *see* White, I.A. 9—86252
Burke, J.R. *see* Carver, G.P. 9—65567
Burke, K. *see* McGetchin, T.R. 9—92517
Burke, M. Air to water heat pump and solar installation for a single family house situated south-east of Hildesheim 9—87968
Burke, M.A., Nix, W.D. A numerical study of necking in the plane tension test 9—50608
Burke, P.G., Taylor, K.T. Photoionisation of carbon atoms 9—98050
Burke, P.G. *see* Berrington, K.A. 9—50136
Burke, P.G. *see* Buckley, B.D. 9—59571
Burke, P.G. *see* Fon, W.C. 9—64107
Burke, P.G. *see* LeDourneuf, M. 9—72228
Burke, R.J. Telescoping beams for heavy ion fusion 9—76228
Burke, R.J., Foss, M.H. A rapid cycling synchrotron magnet with separate AC and DC circuits 9—68101
Burke, R.J. *see* Mazarakis, M.G. 9—72133
Burke, R.J. *see* Moretti, A. 9—76158
Burke, R.J. *see* Watson, J.M. 9—67970
Burke, S.K. *see* Strom-Olsen, J.O. 9—61059
Burke, W.J. Plasma bubbles near the dawn terminator in the topside ionosphere 9—101016
Burke, W.J., Braun, H.J., Munch, J.W., Sagalyn, R.C. Observations concerning the relationship between the quiet-time ring current and electron temperatures at trough latitudes 9—101015
Burke, W.J., Donatelli, D.E., Sagalyn, R.C., Kelley, M.C. Low density regions observed at high altitudes and their connection with equatorial spread F 9—62671
Burke, W.J., Sagalyn, R.C., Kanal, M. Observed heating effects of conjugate photoelectrons 9—62670
Burke, W.J. *see* Ahmed, M. 9—53645
Burke, W.J. *see* Hardy, D.A. 9—70932
Burkert, V. *see* Brefeld, W. 9—63826, 9—68002
Burkett, A.R. *see* Smoot, F. 9—58501
Burkhalter, P., Davis, J., Rauch, J., Clark, W., Dahlbacka, G., Schneider, R. X-ray line spectra from exploded-wire arrays 9—55457
Burkhalter, P.G., Cohen, L., Cowan, R.D., Feldman, U. L-series satellite spectra in Ti XII and Fe XVI 9—98012
Burkhalter, P.G., Shiloh, J., Fisher, A., Cowan, R. X-ray spectra from a gas-puff Z-pinch device 9—94816
Burkhanov, A.G. *see* Titov, L.A. 9—69165
Burkhanov, G.S. *see* Savitskii, E.M. 9—70114
Burkhard, H., Bauer, G., Zawadzki, W. Band-population effects and intraband magneto-optical properties of a many-valley semiconductor: PbTe 9—78007
Burkhard, H. *see* Grisar, R. 9—82961
Burkhard, M.D. *see* Maxwell, R.J. 9—70557
Burkhardt, E.G. *see* Bridges, T.J. 9—82873
Burkhardt, T.W., Southern, B.W. Optimal truncation procedures in renormalization-group calculations 9—63075
Burkhart, L. *see* Hoyt, R.C. 9—93804
Burkhart, L. *see* Yih, S.M. 9—85734
Burkhead, M.S. *see* Bradt, H.V. 9—62929
Burkholder, H.C., Greenborg, J., Stottlemyre, J.A., Bradley, D.J., Raymond, J.R., Serne, R.J. Long-term safety assessment of geologic isolation repositories 9—49714
Burkov, A.T. *see* Vedernikov, M.V. 9—65442
Burkov, S.E. Oriented phase transitions of the second kind in monolayers 9—65315
Burkov, V.I. *see* Abuzin, Yu.M. 9—65844
Burkstrand, J.M. Core-level spectra of chromium and nickel atoms on polystyrene 9—56911
Burkstrand, J.M. Copper-polyvinyl alcohol interface: a study with XPS 9—83093
Burlaga, L.F. Magnetic fields, plasmas, and coronal holes: the inner solar system 9—58212
Burlaga, L.F. *see* Ness, N.F. 9—96956
Burlakova, R.F., Edel'man, I.S., Zabluda, V.V. Magnetic linear and circular dichroism of lithium ferrite 9—69815
Burlakova, Ye.B. *see* Palamarchuk, Ye.K. 9—92180
Burlakova, Ye.B. *see* Pulatova, M.K. 9—92289
Burlakova, Ye.B. *see* Rikhireva, G.T. 9—53193
Burlamacchi, P. *see* Yasuoka, Y. 9—81411
Burland, D.M., Carmona, F., Cuellar, E. Optical coherent transient spectroscopy of the duryl radical 9—76764
Burland, P. *see* Drijard, D. 9—89198
Burlaud, P. *see* Drijard, D. 9—80853, 9—89150
Burleson, G.R. *see* Blanpied, G.S. 9—85518
Burleson, G.R. *see* Boyer, K.G. 9—85539
Burleson, G.R. *see* Davis, J. 9—93662
Burleson, G.R. *see* Doss, K.G.R. 9—85542
Burleson, G.R. *see* Jeppesen, R.H. 9—85533
Burleson, G.R. *see* Kallne, J. 9—85521
Burlet, P., Rossat-Mignod, J., Matsuura, M. Magnetic structure of cobalt formate dihydrate: a single crystal determination 9—99678
Burlet, P. *see* Rossat-Mignod, J. 9—51750
Burlet, P. *see* Wiedenmann, A. 9—61145
Burlin, T.E. *see* Gunner, C.W. 9—57698, 9—100644
Burly, P.V., Il'in, P.P., Kucherov, I.Ya. Control of elastic wave velocity in piezoelectric plates 9—61310
Burma, N.G. *see* Bezuglyi, P.A. 9—99771
Burman, R.G. *see* Anderson, J.B. 9—94098
Burman, R.L. *see* Dam, S.H. 9—85536
Burmawi, M.Y. *see* Warde, C. 9—72714
Burmeister, H. *see* Armenise, N. 9—67536, 9—93397
Burmeister, H.-J., Hermann, H. A simple model for an inhomogeneous dislocation structure 9—90655
Burmester, W.L. *see* Gerber, J.A. 9—73693
Burmistrov, A.V. Reduction of laser breakdown threshold in air near a solid 9—77446
Burmistrova, L.V., Karabutov, A.A., Portnyagin, A.I., Rudenko, O.V., Cherepetskaya, E.B. Method of transfer functions in problems of thermooptical sound generation 9—64478
Burn, K.W., Greenspan, E., Gilai, D., Oblow, E.M. Comment on 'Second-order perturbation theory' [by E.Greenspan et al with their reply] 9—54608
Burnap, C., Greenberg, W., Zweifel, P.F. Eigenvalue problem for singular potentials 9—58530
Burnasheva, V.V., Ivanov, A.V., Semenenko, K.N. Reaction of hydrogen with intermetallic compounds of composition $(Ln)M_2$, where M is Fe, Co, or Ni 9—100434
Burneika, I.P. *see* Paulavichyus, A.B. 9—65342
Burneikis, Yu.P., Shileikis, V.V. Optimising the systems for managing water resources in Lithuanian SSR. I. In formational preconditions for solving optimisation problem of distribution of water resources 9—92555
Burnett, A.I. *see* Stauffer, M.R. 9—92610
Burnett, J. British studies of Mars: 1877-1914 9—80406
Burnett, K. *see* Baird, P.E.G. 9—50154
Burnett, N.H. *see* Baldis, H.A. 9—55506
Burnett, N.H. *see* Enright, G.D. 9—90454
Burnett, R.A. *see* Andrews, W.B. 9—89416
Burnett, T. *see* Chestnut, R. 9—89531
Burnette, R.D. Primary coolant chemistry at Peach Bottom HTGR and implications on large HTGR design 9—67832
Burnham, C. *see* Brownell, G. 9—66516
Burnham, R. A discharge pumped laser on the C→A transition of XeF 9—89893
Burnham, R. *see* Eden, G. 9—59705
Burnham, R. *see* Schwartzenburg, D. 9—62710
Burnham, R.D., Scifres, D.R. Integrated optical devices fabricated by MBE 9—95943
Burnham, R.D. *see* Conwell, E.M. 9—64362
Burnham, R.D. *see* Scifres, D.R. 9—50307
Burnod, L. *see* Bossart, R. 9—72143, 9—86119
Burnos, V.A., Malysh, A.D., Muzyka, S.V., Bogdanov, G.U. Testing of segmental specimens cut from bimetallic tubes 9—70255
Burns, A. Heat-transfer coefficient correlations for thermal regenerator calculations. Transient response 9—68702
Burns, D. *see* Garber, W.-D. 9—80739
Burns, D.J., Hight, R.D., Greene, C.H. Alignment and orientation of the 3p ^{3}P state in ^{4}He I as a function of foil tilt angle 9—94071
Burns, E.J.T. *see* Widner, M.M. 9—86591

Burns, E.T., Erdmann, R.C., Fullwood, R.R. Trends in refueling outages of light-water reactors 9—67910

Burns, G., Alben, R., Dacol, F.H., Shafer, M.W. Lattice dynamic measurements and calculations of the superionic conductor CuI 9—99880

Burns, G., Decol, F.H., Alben, R. Lattice dynamics of simple superionic conductors 9—95111

Burns, J.A. *see* Cuzzi, J.N. 9—53769

Burns, J.A. *see* Pollack, J.B. 9—53741

Burns, P.A. *see* Wood, A.K.W. 9—100743

Burns, P.J., Tien, C.L. Natural convection in porous media bounded by concentric spheres and horizontal cylinders 9—68699

Burns, R.D., III, Luck, L.B. Statistical analysis of SIMMER-II results 9—49786

Burns, R.D., III, Scott, J.H. Statistical analysis of 17 TREAT experiments 9—97840

Burns, R.E. *see* Parsignault, D.R. 9—49901

Burns, S.A. *see* Gast, T.J. 9—74665

Burns, S.H. The absorption of sound by pine trees 9—50494

Burns, S.J. *see* Pollet, J.-C. 9—98668

Burns, T.J. On the rotation of Mercury 9—66940

Burns, T.J. *see* Alsmiller, R.G., Jr. 9—81061

Burns, W.A. *see* Green, M.A. 9—54219

Burns, W.K. Laser diode end-fire coupling into Ti:$LiNbO_3$ waveguides 9—94368

Burnyashev, I.I. *see* Chelyshev, V.V. 9—57169

Burov, A.V. On solutions of the internal stationary problems for the Boltzmann equation 9—85100

Burov, J.I., Thanh, N.C., Anastasova, N.V. Optical method for measuring the amplitude response of surface acoustic wave devices 9—94435

Burova, N.N. *see* Feklistov, S.I. 9—83193

Burow, D.F. *see* Prasad, P.L. 9—76407, 9—85950

Burr, D.C., Ross, J. How does binocular delay give information about depth? 9—74675

Burr, N.C. *see* Solomon, S.C. 9—88265

Burras, G.A. Texture studies on magnesium alloy tubes 9—87655

Burri, G. *see* Feschotte, P. 9—70040

Burridge, R., Conn, G., Freund, L.B. The stability of a rapid mode II shear crack with finite cohesive traction 9—84148

Burridge, R., Vargas, C.A. The fundamental solution in dynamic poroelasticity 9—74847

Burrill, K.A. Corrosion product deposition and release at nuclear fuel sheaths in boiling water 9—91839

Burroughs, J.J. *see* Domkowski, A.J. 9—58679

Burroughs, W. Cold spells, heat waves and blocking anticyclones 9—80006

Burroughs, W.J. An analysis of winter temperatures in central England and Newfoundland 9—80009

Burrows, B.L., Perks, A.J. Variational calculations for phaseshifts 9—88822

Burrows, J.P., Cliff, D.I., Davies, P.B., Harris, G.W., Thrush, B.A., Wilkinson, J.P.T. Pressure broadening of the lowest rotational transition of OH studied by laser magnetic resonance 9—94020

Burrows, J.R. *see* McDiarmid, I.B. 9—75044

Burrows, J.R. *see* Wallis, D.D. 9—70911

Burrows, S.E. *see* White, S.H. 9—83228

Burrows, T.A. *see* Williams, W.D. 9—89451

Burrus, C.A. *see* Campbell, J.C. 9—63304

Burrus, C.A. *see* Stone, J. 9—59711

Bursa, M. The Earth-Moon-Sun force function 9—80208

Bursak, A.V., Verzhbitskii, V.V., Gorbatov, A.M., Krylov, Yu.N., Solovei, A.B. Non-central forces and spectrum of ^{7}Li nucleus 9—89243

Bursch, J.H. *see* Brennecke, R. 9—70624

Bursell, M. *see* Lindstrom, O. 9—52930

Burshtein, A.I., Kofman, A.G. The model of cage reactions proceeding through the metastable term 9—87820

Burshtein, A.I. *see* Bol'shakov, B.V. 9—74352

Burshtein, A.I. *see* Doktorov, A.B. 9—63927, 9—72351

Burshtein, A.I. *see* Kofman, A.G. 9—86222

Burshtein, A.I. *see* Temkin, S.I. 9—98104, 9—98105, 9—98106

Burshtein, E.A., Bushueva, T.L., Permyakov, E.A. Using fluorescence properties of protein chromophores in studies of equilibrium structural mobility of macromolecules 9—64130

Burshtein, E.I. On the Stackel harmonic potential in elliptic and parabolic cylindrical coordinates 9—96898

Burshtein, M.L. *see* Aref'ev, N.B. 9—67383

Burshtein, Z. *see* Gonzalez-Basurto, J. 9—82644

Bursill, L.A. Intersecting defect structures in gallia- and magnesia-doped rutiles 9—51123

Bursill, L.A., Grey, I.E. Transverse composition waves in rutiles quenched from near the melting point 9—99220

Bursill, L.A., Spargo, A.E.C., Wentworth, D., Wood, G. A goniometer for electron microscopy at 1.6 Å point-to-point resolution 9—58844

Bursill, L.A., Withers, R.L. On the multiple orientation relationships between hematite and magnetite 9—60298

Bursill, L.A., Withers, R.L. Twinning dislocations in haematite iron ore 9—99218

Bursill, L.A. *see* Netherway, D.J. 9—94948

Burstein, A.H. *see* Koeneman, J.B. 9—92429

Burstein, A.H. *see* Eberhart, R.C. *(editor)* 9—92416

Burstein, E., Chen, C.Y., Chen, Y.J., Lundquist, S., Tosatti, E. 'Giant' Raman scattering by adsorbed molecules on metals surfaces 9—51960

Burstein, E. *see* Chen, C.Y. 9—95768

Burstein, G.T. *see* Clayton, J.Q. 9—96031

Burstein, N.L., Maurice, D.M. Cryofixation of tissue surfaces by a propane jet for electron microscopy 9—53294

Burstyn, H. *see* Chang, R.F. 9—55893

Bursuc, I. *see* Musa, G. 9—89646

Burt, H., Dennison, J.P., Wilshire, B. Friction stress measurements during creep of Nimonic 105 9—61665

Burt, J. *see* Berns, M.W. 9—66599

Burt, J.A. The response of a fluid-filled piezoceramic cylinder to pressure generated by an axial laser pulse 9—72746

Burt, P.B. Multidimensional solutions of the sine Gordon equation 9—49383

Burt, P.B. Energy bands in nonlinear Schrodinger equations 9—58581

Burt, P.E. *see* Sober, D.I. 9—85494

Burt, T.P. *see* Anderson, M.G. 9—88380

Burte, H.M. A science base for NDE and its coupling to technology 9—100323

Burtic, Th. *see* Mateiciuc, V. 9—88507

Burton, B., Claxton, T.A., Ellinger, Y. Calculation of hyperfine coupling constants using second order double perturbation theory and the configuration interaction method 9—59362

Burton, B. *see* Reynolds, G.L. 9—66111

Burton, D.R., Forsen, S., Karlstrom, G., Dwek, R.A. Proton relaxation enhancement (PRE) in biochemistry: a critical survey 9—89692

Burton, E.J., Macleod, I.D. Laying the bogey of sodium boiling in FBR fuel clusters 9—71913

Burton, H. *see* Matsubaya, O. 9—74911

Burton, J.J., Berkowitz, B.J., Kane, R.D. Surface segregation in an engineering alloy: Hastelloy C-276 9—83204

Burton, L.C., Smith, C.F., Jr., Carroll, A.F., Slack, L.H. Studies of $CdSiAs_2$ for photovoltaic applications 9—74526

Burton, M. *see* Balzarini, D. 9—99303

Burton, P.G. Design of basis sets for precise intermolecular force computation. Investigation of the He_2 potential curve using CEPA-PNO correlated wavefunctions 9—63932

Burton, P.G. The cyclic ozone isomer 9—93929

Burton, R.L., Turchi, P.J. Compact fusion reactors using controlled imploding liners 9—49860

Burton, R.L. *see* Turchi, P.J. 9—60174

Burton, T.E. The acoustic environment in large HTGRS 9—89352

Burton Lewis, R. *see* Coleman, W.F. 9—50043

Burtsev, A.P. *see* Bertsev, V.V. 9—98100

Burtsev, V.A., Dubyanskii, V.A., Egorov, N.P., Kasatkina, M.P., Produvnov, A.B., Shestakov, I.V. Electrical explosion of cylindrical foils in air. I. Electrical characteristics of the explosion 9—55597

Burtsev, V.A., Dubyanskii, V.A., Egorov, N.P., Kasatkina, M.P., Produvnov, A.B., Shestakov, I.V. Electrical explosion of cylindrical foils in air. II. High-current shunt pinch 9—64950

Burtsev, V.A., Vasilevskii, M.A., Glukhikh, V.A., Gusev, O.A., Roife, I.M., Seredenko, E.V., Engel'ko, V.I. Electron beam from a triode with an explosive-emission cathode 9—72475

Burtsev, V.A., Vasilevskii, M.A., Roife, I.M., Seredenko, E.V., Engel'ko, V.I. Improved stability of explosive-emission multiple-tip cathodes 9—64887

Burtseva, K.G., Chernaya, T.S., Sirota, M.I. Determination of the crystal and molecular structure of sodium paratungstate 9—82188

Burtseva, V.A., Vlasov, V.V. Measuring the components of the resistance introduced by a defect in the modulation method of inspection 9—91892

Burtyka, M.V., Eremka, V.D., Kirichenko, A.Ya. Use of a radio interferometer for the study of coherent transition radiation in the microwave band 9—85181

Burum, D.P., Rhim, W.K. An improved NMR technique for homonuclear dipolar decoupling in solids: application to polycrystalline ice 9—67365

Burum, D.P., Rhim, W.K. Analysis of multiple pulse NMR in solids. III 9—93183

Burwell, E.L. *see* Zukor, S.H. 9—87947

Bury, J.S. The planet Venus 9—92690

Bur'yanov, V.B. *see* Budanov, V.G. 9—96747

Burylyaev, V.V. *see* Varfolomeev, M.B. 9—65059

Buryshkin, M.L. On the Kolosov-Muskhelishvili functions in generalized symmetrical problems of elasticity theory 9—75340

Burzlaff, J., Maison, D. On stationary, axially symmetric solutions of Jordan's five-dimensional, unified theory 9—88863

Burzo, E., Ardelean, I. On the iron valence states in B_2O_3-PbO-GeO_2 glasses 9—78597

Burzo, E., Ardelean, I. Mossbauer effect study of iron cations in lead borate glasses 9—91325

Burzo, E., Ursu, I. On the magnetic behavior of iron in ternary gadolinium-yttrium compounds 9—78336

Burzo, E., Ursu, I. Magnetic resonance in gadolinium and yttrium crystalline compounds 9—87323

Busa, J. *see* Zrnik, J. 9—70073

Busby, T.S., Carter, M. The effect of SO_3, Na_2SO_4 and V_2O_5 on the bonding minerals of basic refractories 9—83343

Busca, G. *see* Cuypers, M. 9—85693

Busca, G. *see* Risley, A. 9—54106

Busca, G. *see* Rovera, G. 9—54104

Busca, G. *see* Savard, J.-Y. 9—72544

Busca, G. *see* Vanier, J. 9—98029

Buscarlet, E. *see* Touzain, Ph. 9—52635

Busch, G., Stucki, F., Schlapbach, L. Surface segregation with hydrogen energy storage in FeTi 9—77872

Busch, G., Vogt, O., Delapalme, A., Lander, G.H. Magnetisation of neutron studies of UTe and $USb_{0.8}Te_{0.2}$ 9—56515

Busch, G.E. *see* Tarvin, J.A. 9—97417

Busch, K.A. *see* Marth, W. 9—97778

Busch, N., Freyer, P., Szameit, H. Microprocessor-controlled differential titrator 9—74455

Buschauer, R., Benford, G. Fundamental radiative instability of accelerated plasmas 9—77367

Buschbeck, B. *see* Girtler, P. 9—89197

Buschbeck, B. *see* Otter, G. 9—85338

Buschow, K. Intermetallic compounds of rare earths and non-magnetic metals 9—95377

Buschow, K.H.J. Crystallization and magnetic properties of amorphous Gd-Fe and Er-Fe alloys 9—90557

Buschow, K.H.J., Beekmans, N.M. Thermal stability and electronic properties of amorphous Zr-Co and Zr-Ni alloys 9—73487

Buschow, K.H.J., Goebel, U., Dormann, E. Valence instabilities in $CeSn_3$ and $YbAl_3$ 9—78546

Buschow, K.H.J., Van Den Hoogenhof, W.W. Note on the formation and the magnetic properties of amorphous Eu-Ag alloys 9—91216

Buschow, K.H.J., Van Der Kraan, A.M. Magnetic properties of amorphous $Th_{1-x}Fe_x$ alloys 9—91326

Buschow, K.H.J., van Diepen, A.M. Moment formation upon hydrogen absorption in Hf_2Fe 9—87343

Buschow, K.H.J. *see* Knoor, K. 9—51536

Buschow, K.H.J. *see* Van Daal, H.J. 9—65444

Buschow, K.H.J. *see* Van Essen, R.M. 9—77754

Buseck, P.R. *see* Mackinnon, I.D.R. 9—80285

Buseck, P.R. *see* Veblen, D.R. 9—99142

Busenberg, E., Langway, C.C., Jr. Levels of ammonium, sulfate, chloride, calcium, and sodium in snow and ice from southern Greenland 9—70815

Buser, R.G. *see* Rohde, R.S. 9—50357

Bush, A.A., Chechkin, V.V., Leichenko, A.I., Belous, A.G., Stefanovich, S.Yu., Nazarchenko, B.P., Dubovik, M.F., Venevtsev, Yu.N. Single crystals of barium-strontium niobates 9—51913

Bush, A.A., Venevtsev, Yu.N. Ferroelectric $(Pb,Ba)_5GeO_{11}$ crystals 9—87402

Bush, A.A. *see* Leichenko, A.I. 9—99841

Bush, A.C. *see* Dillamore, I.L. 9—91675

Bush, A.W., Gibson, R.D. A theoretical investigation of thermal contact conductance 9—72782

Bush, A.W., Gibson, R.D. Mathematical models of surface roughness 9—82428

Bush, A.W., Gibson, R.D., Keogh, G.P. Strongly anisotropic rough surfaces 9—91805

Bush, E., Jr. *see* Hansborough, L. 9—72008

Bush, K. *see* Bishop, J.M. 9—84287

Bush, K.Johnson *see* Johnson Bush, K.

Bush, P.S., Raff, L.M. Atomic beam diffraction and scattering from a (3×5) W (110)-carbide surface 9—78819

Bush, R.S. *see* Siemann, D.W. 9—88127

Bushby, R.J. *see* Boden, N. 9—82890

Bushchina, N.A., Nikulin, V.K. Correlation diagram of the Kr-Ar^+ heteronuclear system. Interpretation of the quasimolecule Auger spectra 9—68269

Busher, M.K. Dynamic equations for a piezoceramic radiating transducer having an inhomogeneous structure 9—86315

Busher, M.K., Syrkin, L.N. Application of the Reissner mixed variational principle from the theory of elasticity for the calculation of inhomogeneous piezoceramic bar transducers 9—64479

Bushev, M.K. On the theory of Twyman effect 9—77890

Bushmarin, O.N., Stoletov, V.M. A generalized similarity method with a universal equation in differential form in the theory of a nonstationary boundary layer 9—90215

Bushmarin, O.N. *see* Uglov, F.G. 9—57811

Bushmarina, G.S. *see* Averkin, A.A. 9—73516

Bushnell, A.H., Gundersen, M., Jones, C.R., Buchwald, M.I. New HF laser pumped molecular lasers in the middle infrared 9—50283

Bushnell, D. Control of surface configuration by application of concentrated loads 9—94317

Bushnell, D. Control of surface configuration of nonuniformly heated shells 9—94318

Bushnin, Yu.B. *see* Apel', V.D. 9—67609

Bushnin, Yu.B. *see* Apel, W.D. 9—58978

Bushong, S.C. *see* Glaze, S.A. 9—70650

Bushuev, F.I., Ivakin, V.M. Electronic converter of the unit time dimension 9—84677

Bushuev, V.A. *see* Lobanov, N.N. 9—61287

Bushuev, Yu.G. *see* Tananaev, I.V. 9—78942

Bushuev, Yu.G. *see* Voevodin, V.P. 9—70221

Bushueva, I.M., Rudenko, L.F., Kalmykova, L.P., Ezhov, S.B. On some properties of glasses used as membranes for chemical sources of current. II. The sodium phosphate and the lithium-sodium phosphate glasses 9—96338

Bushueva, T.L. *see* Burshtein, E.A. 9—64130

Bushuk, B.A., Korda, I.M., Stupak, A.P., Rubinov, A.N. Generation of a single ultrashort pulse by dye solutions in a resonator with a small base 9—50289

Bushuk, B.A. *see* Rubinov, A.N. 9—87853

Busigin, A., Nathwani, J.S., Phillips, C.R. Attenuation of radon flux from uranium mill tailings by consolidation 9—66563

Businger, J.A. *see* Kahn, P.H. 9—79979

Buskirk, F.R. *see* Pitthan, R. 9—54423

Busnot, F. *see* Borel, M.-M. 9—69098

Busovne, B.J., Jr., Kotchick, D.M., Tressler, R.E. Deformation history effects on the precipitation hardening behaviour of Ti^{4+}-doped sapphire 9—83209

Buss, R.J., Lee, Y.T. Crossed beam studies related to gas kinetics 9—74388

Bussa, M.P. *see* Balestra, F. 9—76041, 9—85427, 9—85437, 9—85495, 9—85513, 9—85517

Bussac, J.-P. *see* Eubank, H. 9—82074

Bussard, R.W. *see* Pravdo, S.H. 9—84870

Busse, F.H. High Prandtl number convection 9—81875

Busse, F.H., Clever, R.M. Instabilities of convection rolls in a fluid of moderate Prandtl number 9—50727

Busse, F.H. *see* Hopfinger, E.J. 9—68783

Busse, G. *see* Walzer, K. 9—59448

Busse, H., Koropp, J. Infrared measuring technique for determination of the increase of temperature in tension tests 9—61806

Busse, H., Wieters, K.P., Schatt, W. Investigation on the quantitative influence of particle size on sintering 9—91602

Busse, H. *see* Bratter, P. 9—96018

Busse, W. The computer aided control system of the VICKSI accelerator 9—54697

Busse, W. Present status and further developments of the VICKSI heavy ion facility 9—67987

Busse, W., Gumlich, H.-E., Geoffroy, A., Parrot, R. Spectral distribution and decay times of the luminescence of Mn^{2+} on different lattice sites in ZnS 9—78743

Busse, W., Kluge, H. Operating experience with the VICKSI computer control system 9—72215

Bussel', O.D. *see* Pugin, V.S. 9—66219

Bussemer, P. A simple model for the explanation of Urbach's rule 9—91474

Bussemer, P., Vogel, W. On the connection between resonance scattering and absorption at localized centres in solids 9—65848

Busser, F.W. *see* Jonker, M. 9—93399, 9—93399

Bussey, P.J., Raine, C., Rutherglen, J.G., Booth, P.S.L., Carroll, L.J., Court, G.R., Daniel, P.R., Edwards, A.W., Gamet, R., Hardwick, C.J., Hayman, P.J., Holt, J.R., Jackson, J.N., Norem, J.H., Range, W.H., Combley, F.H., Galbraith, W., Rajaratnam, V.H., Sutton, C. Polarisation parameters in positive pion photoproduction 9—75778

Bussey, P.J., Raine, C., Rutherglen, J.G., Booth, P.S.L., Carroll, L.J., Court, G.R., Daniel, P.R., Edwards, A.W., Gamet, R., Hardwick, C.J., Hayman, P.J., Holt, J.R., Jackson, J.N., Range, W.H., Combley, F.H., Galbraith, W., Rajaratnam, V.H., Sutton, C. Polarisation parameters in neutral pion photoproduction 9—80829

Bussiere, A. *see* Royer, D. 9—67747

Bussiere, J.F., Kovachev, V.T. AC losses of bronze-processed $(Nb_{1-x}Zr_x)_3Sn$ between 5 and 16K 9—82727

Busso, L. *see* Balestra, F. 9—76041, 9—85427, 9—85437, 9—85495, 9—85513, 9—85517

Busso, L. *see* Falomkin, I.V. 9—85376

Buster, J.H.J.M. *see* Verweij, H. 9—51926

Bustin, R.M., Mathews, W.H. Selective weathering of granitic clasts 9—92532

Busza, W. *see* Cutts, D. 9—85346

Buta, A. *see* Abou-Leila, M.A.A. 9—85576

Butayev, B.S. *see* Spiridonov, V.P. 9—97368

Butcher, E.C., Downing, A.M., Cole, K.D. Wave-like variations in the F-region in the path of totality of the eclipse of 23 October 1976 9—66865

Butcher, P.G. *see* Bartle, K.D. 9—48996

Butcher, P.M., Smith, J.A.S., Turner, C.J. Butterfly oscillators as detectors of nuclear quadrupole resonance signals 9—54163

Butcher, P.N., Clark, J.D., Hayden, K.J., McInnes, J.A. Conductivities, drift and diffusion in amorphous semiconductors 9—95413

Butcher, P.N., Hayden, K.J., McInnes, J.A. Power dissipation as a function of equivalent-conductance magnitude in the d.c. hopping conductivity problems 9—82591

Butcher, P.N. *see* McInnes, J.A. 9—60832

Butcher, S.R. *see* Harrison, R.G. 9—72583, 9—98444

Buteau, L. *see* Racano, R. 9—64619

Butenko, A.I. *see* Bron, Yu.M. 9—79210

Butera, F., Panno, G., Ruisi, G. The relationship between diffuse and total solar radiation in computer simulation of solar energy systems 9—57398

Butera, P., Cicuta, G.M., Enriotti, M. Singular classicial solutions of Euclidean field theories 9—97510

Butera, R.A., Moskaitis, R.J., Rutter, D.R., Obermyer, R.T. Crossover from divergent to non-divergent nature of the ordered to paramagnetic transitions of α-$MnCl_2.4H_2O$ as a function of applied field 9—73735

Butera, R.A. *see* Germano, D.J. 9—78513

Buti, B. *see* Mohan, M. 9—86576

Butina, I.I. *see* Baradzei, L.T. 9—80159

But'ko, A.I., Voropai, E.S., Zholnerevich, I.I., Saechnikov, V.A., Sarzhevskii, A.M. Spectral distribution of polarization under light quenching 9—85989

Butkovskaya, N.I., Larichev, M.N., Leipunskii, I.O., Morozov, I.I., Talrose, V.L. Mass-spectrometric analysis of a beam of polar molecules. Measurement of the dipole moment of the CF_3 radical 9—59596

Butkovskii, A.V. Plane nonstationary self-similar gas flow with energy liberation in shock waves 9—77182

Butler, A.B. *see* Johnson, R.N. 9—88111

Butler, A.B. *see* Maffeo, C.J. 9—96599

Butler, D., Kinman, T.D., Kraft, R.P. Metal abundances of RR Lyrae variables in selected galactic star fields. II. The Lick astrograph fields near the North Galactic Pole 9—88660

Butler, D. *see* Deming, D. 9—75204

Butler, D. *see* Smith, H.A. 9—58351

Butler, D.L. *see* Suntay, W.J. 9—92269

Butler, D.M. Input sensitivity study of a stratospheric photochemistry model 9—84434

Butler, D.M., Litzinger, J.A., Stewart, G.A., Griffiths, R.B. Heat capacity of krypton physisorbed on graphite 9—60621

Butler, D.M. *see* Stolarski, R. 9—84437

Butler, E.M., Agrawal, A.K., Ekern, R.J. Planning an automated laboratory 9—67269

Butler, E.P. In situ experiments in the transmission electron microscope 9—71574

Butler, F.Coit *see* Coit Butler, F.

Butler, G.B. *see* Umrigar, P.P. 9—91613

Butler, G.W. *see* Kaufman, S.B. 9—89329

Butler, H.M. *see* Fulmer, C.B. 9—54606

Butler, I.S. *see* Neppel, A. 9—59469

Butler, J. *see* Atiya, M.S. 9—80831

Butler, J.E., Goss, L.P., Lin, M.C., Hudgens, J.W. Production, detection and reactions of the CH radical 9—61842

Butler, J.E. *see* Smith, G.K. 9—87829

Butler, J.H.A., Eickhoff, C.P. A simple cabinet for growing C-14 labelled plant material 9—84044

Butler, J.K. *see* Delaney, J.B. 9—98363

Butler, J.L. Maximum sound pressure from a displacement limited circular piston 9—81676

Butler, J.P., Mohler, J.G. Estimating a distribution's central moments: a specific tidal ventilation application 9—88104

Butler, J.R. *see* Fullagar, P.D. 9—70797

Butler, K.C. *see* Moise, J.C. 9—53286

Butler, K.W. *see* Polnaszek, C.F. 9—79455

Butler, M.A. Aging effects in defect-doped semiconducting electrodes 9—69592

Butler, M.A., Biefeld, R.M. NMR study of proton motion in the defect pyrochlores $HTaWO_6$ and $HTaWO_6.H_2O$ 9—82889

Butler, M.A. *see* Ginley, D.S. 9—62013

Butler, NG. *see* Baker, R.W. 9—83549

Butler, P. The detection of faults by ultra-sound 9—52564

Butler, P.A. *see* Lister, C.J. 9—93493

Butler, P.H., Ford, A.M. Special symmetries of jm factors and j symbols 9—84989

Butler, P.H., Haase, R.W., Wybourne, B.G. Calculation of 3jm factors and the matrix elements of E_7 group generators 9—93330

Butler, P.H., Reid, M.F. j symbols and jm factors for all dihedral and cyclic groups 9—92968

Butler, P.R., Pilling, M.J. The breakdown of Forster kinetics in low viscosity liquids. An approximate analytical form for the time-dependent rate constant 9—86033

Butler, P.R. *see* Rice, S.A. 9—66259

Butler, R., Stewart, G.S., Kanamori, H. The July 27, 1976 Tangshan, China earthquake—A complex sequence of intraplate events 9—92495

Butler, R., Turner, F. On the convergence rate of Fourier series 9—80399

Butler, S.E., Dalgarno, A., Bender, C.F. Charge transfer of O^{++} and Ne^{++} with H 9—59550

Butler, S.R. *see* Rohatgi, A. 9—70186, 9—70187

Butler, T.W., Riggs, L.A. Color differences scaled by chromatic modulation sensitivity functions 9—53121

Butler, T.W., Westheimer, G. Interference with stereoscopic acuity: spatial, temporal, and disparity tuning 9—53136

Butler, W.A., Davis, A.D., Miller, C.E., Jr. Color mixing for a large audience 9—58505

Butler, W.H., Pinski, F.J., Allen, P.B. Phonon linewidths and electron-phonon interaction in Nb 9—73273

Butler, W.H. *see* Pinski, F.J. 9—56360, 9—95099

Butman, B., Folger, D.W. An instrument system for long-term sediment transport studies on the continental shelf 9—58113

Butman, B., Noble, M., Folger, D.W. Long-term observations of bottom current and bottom sediment movement on the mid-Atlantic continental shelf 9—57964

Butman, B. *see* Noble, M. 9—84286

Butovskii, Ya.L. Non-standard films and processes in feature film production 9—49326

Butrimas, P., Gutman, A. Theoretical analysis of an experiment with voltage clamping in the motoneurone. Proof of the N-shape pattern of the steady voltage-current characteristic of the dendrite membrane 9—92203

Buts, V.A., Izmailov, A.N. Radio-frequency emission from an explosive instability in an electron beam 9—55520

Butscher, W. *see* Friedrich, H. 9—76444

Butt, N.M. *see* Beg, M.M. 9—90746

Butt, P.K. *see* Afzal, M. 9—63904

Butter, E., Fitzl, G., Hirsch, D., Leonhardt, G., Seifert, W., Preschel, G. The deposition of group III nitrides on silicon substrates 9—90909

Butterfield, J.F. Video microscopy 9—58784

Butterfield, L.D. Planning and scheduling for the refueling outage-problems of flexibility 9—63793

Butterfield, M.H., Herbert, M.R. Dynamic model verification by comparison with recorded plant transients 9—89468

Butterfield, M.H. *see* Domis, M.A. 9—81608

Butterworth, E.M. On the structure and stability of rapidly rotating fluid bodies in general relativity. III. Beyond the angular velocity peak 9—101139

Butterworth, J., Reading, D.H. Design of a biomedical negative pi-meson line at the spallation neutron source at the Rutherford Laboratory 9—74758

Buttet, J. *see* Myles, C.W. 9—61220

Buttgenbach, S., Dicke, R., Traber, F. Hyperfine-structure measurements in ^{183}W and the contact interaction in $5d^N6s$ atoms 9—68207

Buttiker, M., Thomas, H. Hydrodynamic modes, soft modes and fluctuation spectra near the threshold of a current instability 9—65491

Buttiker, M., Thomas, H. Stability of nonuniform states in systems exhibiting continuous bifurcation 9—84972

Buttiker, M., Thomas, H. Bifurcation and stability of dynamical structures at a current instability 9—91071

Buttiker, M. *see* Gerber, P.R. 9—50280

Buttkus, B. Coherency weighting—an effective approach to the suppression of long leg multiples 9—92613

Buttner, H., Bilz, H. Solitary wave solutions in a diatomic lattice 9—80544

Buttner, H., Mertens, F.G. Toda lattice: statistical mechanics and solitons 9—49176

Buttner, H. *see* Mokross, F. 9—90968

Buttner, P., Klipping, G. Experimental system for studying cryopumping under operating conditions as in large fusion machines 9—58753

Buttner, W. Operating experiences with special measurement and control techniques at the BASF waste water treatment plant. I 9—66424

Buttolph, M.A. Sources of information on safety 9—80596

Button, B.L., Grogan, A.F., Chivers, T.C., Manning, P.T. Gas flow through cracks 9—98693

Button, T.M., Peterson, R.S., McDaniel, F.D., Toten, A., Andrews, M.C., III., Rice, R.K., Gressett, J.D., Duggan, J.L., Alton, G.D., Miller, P.D., Thoe, R.S. Radiative electron capture X-ray profiles from fast collisions of F^{+q} on Ne 9—49975

Button-Shafer, J. The U. Mass. spin refrigerator and strange-particle physics with the Brookhaven multiparticle spectrometer 9—63833

Buttoudin, R. *see* Ben Rais, A. 9—96224

Buttram, M.T. Operation of a repetitively pulsed 300 kV, 10 kA electron beam diode 9—76164

Butts, R. *see* Nagel, J. 9—94262

Buttsev, V. *see* Aksinenko, V. 9—97713

Buturla, E.M. *see* Pope, M.H. 9—96607

Butusov, M.M., Ivanov, A.V., Kosarev, A.I., Tukhvatulin, R.Sh., Tsapko, A.G. Secondary electron emission of certain electrooptical and piezoelectric materials 9—91546

Butylkin, V.S., Fisher, P.S. Introduction of information during frequency doubling of laser radiation in an optical waveguide containing an isotropic dielectric 9—94285

Butz, R., Wagner, H. Surface diffusion of Pd and Au on W single crystal planes. I. Spreading behaviour of Pd and Au layers 9—99421
Butz, R., Wagner, H. Surface diffusion of Pd and Au on W single crystal planes. II. Anisotropy of Pd surface diffusion due to the influence of substrate structure 9—99422
Butz, T., Lindgren, B., Saitovitch, H. The effect of lattice vibrations on the pressure dependence of the electric field gradient in cadmium metal 9—61267
Butz, T., Saitovitch, H., Lerf, A. Kinetics of lithium intercalation into 2H-TaS_2 studied by tantalum hyperfine spectroscopy 9—87337
Butz, T. *see* Schollhorn, R. 9—65052
Butzer, K.W., Stuckenrath, R., Bruzewicz, A.J., Helgren, D.M. Late Cenozoic paleoclimates of the Gaap Escarpment, Kalahari margin, South Africa 9—88471
Buus, J. A model for the static properties of DH lasers 9—98360
Buxbaum, C. *see* Gessinger, G. 9—74048
Buxton, G.V. *see* Kawabata, K. 9—83474
Buxton, L.D., Benedick, W.B. Large-scale steam explosions 9—85648
Buxton, L.D. *see* Nelson, L.S. 9—49752, 9—85649
Buxton, O.E., Jr. *see* Thompson, L. 9—81978
Buyakas, V.I., Chekulaev, Yu.V. Surface contour control [radiotelescope antennas] 9—80221
Buyanov, Yu.I. Optimal gas discharge through cryogenic flow inlets in refrigerator cooling of superconducting magnetic systems 9—93149
Buyelekova, M. Analysis of the relation of geomagnetic bays to geomagnetic activity and the interplanetary magnetic field in 1968 9—53654
Buyers, W.J.L., Holden, T.M., Svensson, E.C., Lander, G.H. Uranium nitride: a cubic antiferromagnet with anisotropic critical behaviour 9—61112
Buyers, W.J.L. *see* Bossard, P. 9—78399
Buyers, W.J.L. *see* Mintz, D. 9—60472
Buykx, W.J. The effect of microstructure and microcracking on the thermal conductivity of UO_2-U_4O_9 9—97810
Buyle-Bodin, M. *see* Benabid, A.L. 9—57804
Buzanov, V.I., Abramyan, V.K., Grishina, T.F., Krapivin, L.E. Probe measurement of electrostatic fields in particle-bearing gas flows 9—75552
Buzdin, A.I., Bulaevskii, L.N. Dependence of the NMR relaxation time on the magnetic field in quasi one-dimensional and quasi two-dimensional crystals 9—61254
Buzhdan, Ya.M. *see* Demin, B.N. 9—56095
Buzhinskii, I.M., Dmitrieva, Z.P., Aref'eva, K.I. Testing the blank for the LAT primary mirror 9—50367
Buzhinskii, I.M., Koryagina, E.I., Surkova, V.F. Effect of TiO_2 and CeO_2 on some basic parameters of laser glasses 9—94309
Buzhinskii, I.M. *see* Petrovskii, G.T. 9—76775
Buzo, A., Gray, A.H., Jr., Markel, J.D., Gray, R.M. A two-step speech compression system with vector quantizing 9—59881
Buzovkina, V.A. *see* Kontsevoi, Yu.A. 9—69894
Buzuev, G.V., Pletnev, R.N., Slepukhin, V.K., Lisson, V.N., Shveikin, G.P. Rare earth orthovanadates with the monazite structure 9—78534
Buzunov, G.A. *see* Shepel'skii, N.V. 9—100080
Buzynin, A.N. *see* Bletskan, N.I. 9—78867
Buzzell, J.A. *see* Bandyopadhyay, G. 9—59191
Buzzelli, A.R. Clinical assessment of the tilt aftereffect 9—83954
Buzzi, A., Speranza, A. Stationary flow of a quasi-geostrophic, stratified atmosphere past finite amplitude obstacles 9—100928
Byalik, N.V. *see* Lyskovich, A.B. 9—78760
Byalko, N.G., Matyushin, G.A., Mel'nikov, L.S., Podgaetskii, V.M. Destruction of pulsed lamps in a liquid 9—94312
Byard, P. *see* Capriotti, E. 9—71108
Byatt, D.W.G. Plastic film sensors 9—99826
Byatt-Smith, J.G.B. The equivalence of Bernoulli's equation and a set of integral relations for periodic waves 9—68731
Bybee, R.L. *see* Timothy, J.G. 9—71582
Bychawski, Z., Sztechman, T. On functional description method for turbulence of nonlinear rheological fluids 9—72913
Bychenkov, V.S., Dmitriev, V.D., Obukhov, A.I., Perfilov, N.A., Shigaev, O.E. Peculiarities in energy dependence of the nuclear fission anisotropy at exposition of ^{238}U and ^{209}Bi by protons 9—80964
Bychenkov, V.Yu. *see* Abdullaev, A.Sh. 9—60164
Bychenkov, V.Yu. *see* Aliev, Yu.M. 9—77412
Bychenkov, V.Yu. *see* Basov, N.G. 9—86587
Bychko, V.A. *see* Semenikhin, N.M. 9—57234
Bychkov, A.Kh. *see* Vinokur, F.L. 9—66135
Bychkov, K.V. The relation between synchrotron radio surface brightness and radius for supernova remnants 9—58409
Bychkov, K.V. The nature of the nebula near γ Cygni 9—97055
Bychkov, Yu.A., Iordanskii, S.V. On the shape of electron-hole drops in magnetic fields 9—90964
Bychkov, Yu.I., Konovalov, I.N., Mesyats, G.A., Tarasenko, V.F. Excitation of an XeF laser by a microsecond electron beam 9—59686
Bychkov, Yu.I., Kostin, M.N., Losev, V.F., Tarasenko, V.F. N_2 laser with high average power and longitudinal discharge 9—94244
Bychkova, M.I. *see* Savitskii, E.M. 9—65220
Bychkova, Ye.Yu. *see* Pasechnik, V.I. 9—57598
Bychkovskaya, A.Kh., Zusmanovich, A.G., Kolomeets, E.V. North-south asymmetry of solar activity and of cosmic rays 9—80137
Byckling, E. *see* Niemi, A. 9—71619
Bydder, E.L., Liley, B.S., Morton, A.H. Ion heating in the LT-3 Tokamak 9—86593
Bye, K.L., Cosier, R.S. An X-ray double crystal topographic assessment of defects in quartz resonators 9—50943
Byer, N.E. *see* Beck, W.A. 9—99434
Byer, R.L. *see* Baumgartner, R.A. 9—81481
Byer, R.L. *see* Brosnan, S.J. 9—81480
Byer, R.L. *see* Koroteev, N.I. 9—85963
Byer, R.L. *see* Trutna, W.R., Jr. 9—81483
Byerley, B.L.J. *see* Farnell, G.C. 9—100413
Byers, C.C., Hansen, G.E., Koelling, J.J., Plassmann, E.A., Smith, D.R. Reactivity coefficients of heavy isotopes in LASL's fast critical assemblies 9—63742
Byers, N., Ruckl, R., Yano, A. Radiative corrections to $\nu_\mu e$ and $\bar{\nu}_\mu e$ scattering 9—63467
Bykalin, N.N., Uglov, A.A., Zuev, I.V. Producing films and coatings using concentrated energy sources 9—74090
Bykh, A.I. *see* Rozhitskii, N.N. 9—57250
Bykov, A.A., Naumov, Yu.V. On the energy of the maximum in the strength function of β^--transitions 9—75914
Bykov, G.S. *see* Andreyevskiy, A.A. 9—90242
Bykov, G.S. *see* Borishanskiy, V.M. 9—77222
Bykov, M.V. *see* Kudryavtseva, N.L. 9—50453
Bykov, R.E., Ignat'eva, N.V., Malinkin, N.A., Titov, Yu.M., Fedchenkov, K.A. Automated TV complex for multizonal images analysis 9—89026
Bykov, V.N. *see* Birzhevoi, G.A. 9—60404
Bykova, Z.Ya., Klugman, I.Yu. Permittivity of moistened disperse and porous materials 9—95304
Bykovetz, N. *see* Moser, J. 9—56643
Bykovskaya, L.A. *see* Kharlamov, B.M. 9—93999
Bykovskii, Yu.A., Dikovich, S.V., Smirnov, V.L., Shmal'ko, A.V. Volume diffraction gratings with inclined layers in thin-film optical waveguides 9—90028
Bykovskii, Yu.A., Erko, A.I., Larkin, A.I. Semiconductor laser with a holographic selector 9—98406
Bykovskii, Yu.A., Kantsyrev, V.L., Kozyrev, Yu.P. Characteristics of soft X-ray emission from a plasma formed by moderate-intensity laser irradiation of a target 9—98989
Bykovskii, Yu.A., Smirnov, V.L., Shmal'ko, A.V. Surface waves in integrated-optics elements with distributed coupling 9—64361
Bykovskii, Yu.A., Zhuravlev, G.I., Belousov, V.I., Gladskoi, V.M., Degtyarev, V.G., Nevolin, V.N. Laser mass-spectrometric method for the noncalibrated determination of the elementary composition of solids 9—83532
Bykovskii, Yu.A., Zuev, V.V., Kiryukhin, A.D., Skorikov, V.M., Chmyrev, V.I. Photoelectric properties of $Bi_{12}GeO_{20}$ 9—69552
Bykovskii, Yu.A. *see* Aleksandrov, A.S. 9—82636
Bykovskii, Yu.A. *see* Ashmarin, I.I. 9—91541
Bykovskii, Yu.A. *see* Borodulin, V.I. 9—89933
Bykovtsev, G.M., Khromov, A.I. Plane strain of ideal rigid-plastic bodies allowing for the change of boundary 9—68599
Byl, J., Arlt, K. On the question of possible wind effects on the behaviour of the subsoil with the aid of clinometric observations in Potsdam 9—62425
Bylicki, F. Determination of the diffusion coefficients for Cs in different buffer gases 9—68895
Bynum, G. *see* Schuette, W.H. 9—92423
Byrd, G.G. Orbital decay and accretion of M32 by M31 9—92845
Byrd, G.G. *see* Valtonen, M.J. 9—71133
Byrd, R.A. *see* Tancredo, A. 9—50049
Byrd, R.C., Walter, R.L., Cotanch, S.R. Detailed study of the Lane potential: multichannel and polarization constraints 9—80914
Byrd, R.C., Walter, R.L., Cotanch, S.R. Extension of the Lane model to light nuclei 9—85449
Byrd, W.E. *see* Gray, R.I. 9—62396
Byrdin, V.M., Dyudin, B.V., Lependin, L.F. Symmetric backward first-order Lamb wave 9—60433
Byrin, V.N. Use of the relationship of life to the parameters of acoustic emission signals for purposes of technical diagnostics 9—96271
Byrin, V.N., Vainberg, V.E., Kantor, A.Sh., Lupashku, R.G. A comment on the article by V.E. Vainberg, A.Sh. Kantor, and R.G. Lupashku: 'Employing the kinetic concept of disruption to calculate the intensity of acoustic emission' [and reply] 9—50499
Byrkin, A.P., Shchennikov, V.V. Calculation of subsonic visous gas flow in flat channels and in shadow regions 9—50749
Byrnak, B. A helix predictor-corrector method for cosmic-ray tracing 9—62692
Byrne, C.D. *see* Addison, M.C. 9—79274
Byrne, D., Earnshaw, J.C. Photon correlation spectroscopy of liquid interfaces. I. Liquid-air interfaces 9—75607
Byrne, D., Earnshaw, J.C. Photon correlation spectroscopy of liquid interfaces. II. Monolayers of fatty acids 9—75608
Byrne, D.M. *see* King, M.D. 9—80020
Byrne, J. Determination of the neutron lifetime by storage of decay protons 9—58959
Byrne, J. Correlation coefficients in neutron β-decay 9—58960
Byrne, J.G. A review of positron studies of the annealing of the cold worked state 9—100163
Byrne, J.G. *see* Alex, F. 9—87649
Byrne, J.G. *see* Kao, P.-W. 9—83055
Byrne, P., Levine, A., Lang, F., Dobson, C.A., Doty, J.P., Howe, S.K., Primini, F.A., Wheaton, W.A., Lewin, W.H.G. OAO 1653—40 9—67118
Byron, D.J., Lacey, D., Wilson, R.C. Properties of the liquid crystals formed by certain 4″-alkoxyphenyl biphenyl-4-carboxylates 9—82150
Byron, S.R. *see* Klosterman, E.L. 9—98399
Byrski, T. *see* Vivien, J.P. 9—85408
Bystricky, J., Lehar, F., Patera, J., Winternitz, P. Optimal complete and optimal sufficient sets of experiments for elastic nucleon-nucleon scattering 9—85324
Bystricky, J. *see* Fujisaki, M. 9—49542, 9—58974, 9—63521
Bystritskii, V.M., Dzhelepov, V.P., Petrukhin, V.I., Rudenko, A.I., Somov, L.N., Suvorov, V.M., Filchenkov, V.V., Hemnits, G., Khovanskii, N.N., Khomenko, B.A., Horvath, D. Resonance dependence of the rate of ddμ mesic molecule formation in gaseous deuterium 9—50171
Bystrov, D.S. *see* Popova, E.A. 9—69205
Bystrov, M.V. *see* Bokov, V.A. 9—65699
Bystrov, P.I., Goncharov, V.F. Nonstationary temperature field in a phase transition process of a metallic heat carrier in loops 9—55867
Bystrov, P.I., Goncharov, V.F. The Stefan problem of melting in an annular duct with nonlinear conditions on the outer boundary 9—86329
Bystrov, P.I., Goncharov, V.F., Garbuz, N.N. Nonsteady heat conduction in cells of triangular lattice with central heat sink 9—81683
Bystrov, P.I. *see* Apollonov, V.V. 9—72603
Bystrov, P.I. *see* Mikhailov, V.S. 9—90335
Bystrov, V.S., Rolov, B.N. To the fluctuative mechanism of refractive index variation in the ferroelectric crystals 9—56755
Bystrov, V.S., Rolov, B.N. The calculations of fluctuons by the method of parameteric potential in the ferroelectric crystals 9—69784
Bystrova, T.V., Safaryan, M.N. Effect of atomic oxygen on vibrational relaxation in the system CS_2+O_2 9—66300
Bystryi, A.I., Ganefel'd, R.V., Red'Kin, V.B. Combustion-products turbulence in the channel of an MHD generator 9—64866
Bytenskii, L.I., Gudkin, T.S., Kaz'min, S.A., Kaidanov, V.I., Ozerova, L.A., Ravich, Yu.I. Magnetoresistance anisotropy of PbSe films with potential barriers 9—91172
Byteva, I.M. *see* Timinskii, Yu.V. 9—57582
Byuler, G.A., Tkachenko, E.F. Calculating the magnetic field of a toroidal ring in the field of a moving coil with a current 9—64149
Byung, C.Eu. Kinetic theory of dense fluids. III. Density dependence of transport coefficients for dense gases 9—94757
Byung, C.Eu. Kinetic theory of dense fluids. IV. Entropy balance equation and irreversible thermodynamics 9—94758
Byung Chan Eu, Zaritsky, N. The uniform WKB theory of multichannel predissociation and inelastic scattering 9—72404
Byung-Wan Oh *see* Hyun-Joon Shin 9—55902
Byvik, C.E. *see* Walker, G.H. 9—70450
Byzov, A.L. Origin of non-linearity of voltage-current relationships of turtle cones 9—74659
Byzov, A.L., Golubtsov, K.V. Model of the neurone-regulator of the effectiveness of synaptic transmission 9—57645
Bzhalava, T.L. *see* Glurdzhidze, L.N. 9—69897

C. de las Heras *see* Vieira, S. 9—82929
Caan, M.N., Fairfield, D.H., Hones, E.W., Jr. Magnetic fields in flowing magnetotail plasmas and their significance for magnetic reconnection 9—75049
Cabak, G. *see* Vito, R.P. 9—76998
Cabana, A., Laplante, P.Y. High-resolution infrared spectrum of carbon suboxide: the $\nu_4+2\nu_7^0$ and $\nu_4+3\nu_7^1 \leftarrow \nu_7^1$ bands 9—72311
Cabannes, F. *see* Gabis, V. 9—96108
Cabestany, J. *see* Castaner, L. 9—96454
Cabibbo, N., Corbo, G., Maiani, L. Lepton spectrum in semileptonic charm decay 9—75765
Cable, J.W. *see* Felcher, G.P. 9—78316

Cable, P.J., Boger, D.V. A comprehensive experimental investigation of tubular entry flow of viscoelastic fluids. II. The velocity field in stable flow 9—50757

Cable, P.J., Boger, D.V. A comprehensive experimental investigation of tubular entry flow of viscoelastic fluids. III. Unstable flow 9—90218

Cabos, C., Delord, P., Martin, J.C. Study by small-angle neutron scattering of local order in an ionic direct micellar phase 9—92013

Cabot, J.B., Wild, J.M., Cohen, D.H. Raphe inhibition of sympathetic preganglionic neurons 9—92211

Cabot, R.C., Genter, C.R., II, Lucke, T. Sound levels and spectra of rock music 9—68517

Cabral, F., Bruch, L.W. Trimer binding in two dimensions 9—69306

Cabrera, A.L. *see* Sales, B.C. 9—66218

Cabrera, J.M. *see* Lopez, F.J. 9—55736

Cabrespine, A. *see* Aknin, J.P. 9—68001

Cabrespine, A. *see* Arianer, J. 9—72166

Cacciapouti, R.J., Pilat, E.E. Analysis of operating reactors with the SIMULATE nodal program 9—59150

Cacciatore, M., Capitelli, M., Dilonardo, M. Non equilibrium vibrational population and dissociation rates of oxygen in electrical discharges: the role of atoms and of the recombination process 9—64933

Cachard, A., Thomas, J.P., Ligeon, E. Microanalysis by direct observation of nuclear reactions 9—96409

Cachard, A. *see* Thomas, J.P. *(editor)* 9—96403

Cachenaut, J., Man, C., Cerez, P., Brillet, A., Stoeckel, F., Jourdan, A., Hartmann, F. Description and accuracy tests of an improved lambdameter 9—63194

Cada, M. *see* Ctyroky, J. 9—90003

Cadd, J. Seeing like a fish [underwater photography] 9—58812

Cade, P.E., Henneker, W.H., Kostyla, A. The bond activity of Compton profiles and momentum densities for simple molecules. I. Compton profiles 9—68268

Cadee, M.C., Prodan, A. Tripling of the short axis in the hollandite structure 9—77576

Cadek, J. *see* Orlova, A. 9—74214

Cadek, J. *see* Pahutova, M. 9—70126, 9—96085

Cadek, J. *see* Prochazka, K. 9—77604

Caderao, J.B. *see* Boulware, R.J. 9—100708

Caderni, N., Calvani, M. Spinning charged test particles and cosmic censorship 9—62866

Caderni, N., Fabbri, R. Neutrino viscosity and isotropization of Bianchi type-VIII and type-IX cosmological models 9—75300

Caderni, N., Fabbri, R. The isotropization of low-density cosmological models 9—80379

Cadet, D. The superpressure balloon sounding technique for the study of atmospheric meso- and microscale phenomena 9—66815

Cadet, D. Meteorology of the Indian summeor monsoon 9—74938

Cadeville, M.C., Biolluz, A., Maurer, M., Sanchez, J.P. Volume interactions between substitutional 'sp' and '3d' solutes in ferromagnetic iron-based alloys 9—78069

Cadez, I.M. *see* Pejcev, V.M. 9—59586

Cadez, V. *see* Holclajtner-Antunovic, I. 9—86640

Cadieu, F.J., Chencinski, N. Superconductivity in transition metal substituted A-15 systems 9—56350

Cadim, M., Al-Bassam, T.S. Conduction mechanism of thin discontinuous dysprosium films 9—87169

Cadiot, B. *see* Mayer-Rosa, D. 9—84181

Cadle, R.D. *see* Olszyna, K. 9—70850

Cadman, P., Gossedge, G.M. The chemical reactivity of graphite fluoride in conjunction with its use as a solid lubricant 9—66349

Cadoz, J. *see* Gaboriaud, R.J. 9—55747

Cadwallader, J.A., III. *see* McRae, L.P. 9—83985

Cady, K.B. *see* Khatib-Rahbar, M. 9—49663

Caelli, T. On the perception of some geometric properties of rotating three dimensional objects 9—83786

Caelli, T., Julesz, B. Psychophysical evidence for global feature processing in visual texture discrimination 9—79554

Caen, R., Piquemal, J. Errors in differential pressure flowmeters due to pressure fluctuations 9—68862

Caer, G.Le *see* Le Caer, G.

Cafe, M.C., Robb, I.D. Spin-labelling of poly(acrylic acid) 9—96308

Caffarelli, L.A., Friedman, A. The free boundary in the Thomas-Fermi atomic model 9—93906

Caffo, M. *see* Barbieri, R. 9—58943

Cafforio, C. *see* Bellini, S. 9—53276, 9—70686

Cage, M.E. *see* Clark, D.L. 9—93943

Caginalp, G., Fisher, M.E. Wall and boundary free energies. II. General domains and complete boundaries 9—49182

Cagnac, B. *see* Biraben, F. 9—59416

Cagnac, B. *see* Gay, J.C. 9—85943

Cagnetti, V., Console, R. Space-time distribution of the Friuli (1976) earthquakes 9—84116

Cahalan, M.D., Almers, W. Interactions between quaternary lidocaine, the sodium channel gates, and tetrodotoxin 9—83745

Cahalan, M.D., Almers, W. Block of sodium conductance and gating current in squid giant axons poisoned with quaternary syrychnine 9—83746

Cahay, R., Whalley, E. The ionization of PCl_6^- in the solid state under pressure. I. Phase diagram of phosphorus pentachloride 9—82314

Cahay, R., Wong, P.T.T., Whalley, E. The ionization of PCl_6^- in the solid state under pressure. II. Raman spectra of phosphorus pentachloride III 9—82968

Cahill, D.F. An overview of satellite power systems microwave health and ecology program 9—70443

Cahill, K., Stump, D.R. Gauge invariance and the quark-antiquark static potential 9—97587

Cahill, R.F., Udd, E. Phase nulling optical gyro 9—72719

Cahill, T.A. *see* Barone, J.B. 9—62579

Cahill, T.A. *see* Jungerman, J.A. 9—54723

Cahn, J.H., Elitzur, M. A correlation between SiO and stellar luminosities in long-period variables and the nature of the SiO maser pump mechanism 9—92772

Cahn, J.W. Monotectic composite growth 9—56970

Cahn, J.W., Balluffi, R.W. On diffusional mass transport in polycrystals containing stationary or migrating grain boundaries 9—77832

Cahn, J.W., Kikuchi, R. Ground state of FCC alloys with multiatom interactions 9—83173

Cahn, J.W., Pan, J.D., Balluffi, R.W. Diffusion induced grain boundary migration 9—77833

Cahn, J.W. *see* Allen, S.M. 9—61563

Cahn, J.W. *see* Kikuchi, R. 9—83174

Cahoon, J.L. *see* Derenzo, S.E. 9—66533

Cahuzac, P., LeGouet, J.L., Toschek, P.E., Vetter, R. Collisional effects upon optical coherences: experimental study in a Xenon three-level system 9—93954

Cai Hai-tao The problem of periodic contact of the elastic theory of planes 9—94487

Cai Jian-hua *see* Cai Jun-dao 9—91177

Cai Jianhua *see* Cai Jundao 9—78251

Cai Jun-dao, Ji Guang-da, Wu Hang-sheng, Cai Jian-hua, Gong Chang-de Theory of the superconducting critical temperature. III 9—91177

Cai Jundao, Ji Guangda, Wu Hangsheng, Cai Jianhua, Gong Changde Theory of the superconducting critical temperature. III 9—78251

Cai Yong-xin *see* Han Kai 9—64269

Cai Zhi-Guo *see* Xu Jian-Ming 9—49882

Cai-sheng Gao *see* Gao Cai-sheng

Caianiello, E.R. Hermitian metrics and the Weyl-London approach to the 'quantum theory' 9—67179

Caianiello, E.R., Gisolfi, A., Vitulano, S. A method of filtering of biomedical specimens 9—84061

Caiazzo, M. *see* Bracale, M. 9—57637

Caillat, R., Feve, L., Fontaine, R., Menes, F. Suppression of the charging effect in X-ray photoelectron spectroscopy 9—97474

Caille, A. *see* Tannous, C. 9—56537

Cailleau, H., Girard, A., Moussa, F., Zeyen, C.M.E. Inelastic neutron scattering study of structural phase transitions in polyphenyls 9—51255

Cailleau, H., Heidemann, A., Zeyen, C.M.E. Observation of critical slowing down at the structural phase transition in p-terphenyl by high-resolution neutron spectroscopy 9—82329

Cailleau, H., Moussa, F., Mons, J. Incommensurate phases in biphenyl 9—86887

Cailler, M. *see* Bourdin, J.P. 9—69441

Cailler, M. *see* Ganachaud, J.P. 9—69932, 9—69933, 9—99996

Caillet, J. *see* Bertholon, G. 9—73474

Caillet, P. *see* Le Gall, L. 9—81165

Cailliau, R. *see* Baribaud, G. 9—72209

Caimi, E.A., de Menzies, Y.Q. Some aspects of raindrop size spectra in Buenos Aires 9—53485

Caimmi, R. The effect of increasing helium content and disk dwarfs evolution on the chemical enrichment of the Galaxy 9—88733

Cain, B., Payne, M.A., Shulik, S., Donahue, J., Rollins, H.B., Schmidt, V.A. The recovery of paleomagnetic polarities from cyclothemic sediments in the Carboniferous Appalachian Basin, USA 9—70743

Cain, O.J., Vook, R.W. The structure of epitaxial overgrowths of Cu_2S formed on (111) Cu 9—82494

Cain, W.S. To know with the nose. Keys to odor identification 9—88096

Caine, J. *see* Hoffman, E.W. 9—72154

Cairns, J. An analysis of the ultimate strength of lapped joints of compression reinforcement 9—96086

Cairns, J.A. The evolving use of electrons, protons and heavy ions in the characterisation of materials 9—96406

Cairns, R.A. The role of negative energy waves in some instabilities of parallel flows 9—59967

Cairns, R.A. The spectrum of second harmonic emission from a laser-produced plasma 9—90416

Caisso, J. *see* Fumeron, M. 9—87640

Cajkovski, D. *see* Cajkovski, T. 9—56281

Cajkovski, T., Cajkovski, D. Surface scattering mechanisms on germanium 9—56281

Cala, S.E. *see* Yamada, H. 9—93648

Calabek, M., Sandera, J. Main directions in the development of Pb accumulators 9—70446

Calabrese, C. Fracture mode and toughness vs temperature (−20-22°C) for UNS-S15500 (15-5 PH) stainless steel 9—70145

Calabro, R. Utility perspective on spent-fuel storage 9—63794

Calado, J.C.G., Staveley, L.A.K. The thermodynamics of the system krypton-nitric oxide and their interpretation in terms of monomer-dimer association of the oxide 9—90798

Calado, J.C.G. *see* Streett, W.B. 9—55881

Calahorra, Z. *see* Ephraim, A.B. 9—90872

Calander, N. *see* Granqvist, C.G. 9—78772

Calandra, C. *see* Bisi, O. 9—65531

Calarco, J.R. *see* Kuhlmann, E. 9—89266

Calarco, J.R. *see* Phillips, T.W. 9—67743

Calarco, J.R. *see* Ventura, E. 9—63650

Calas, G. *see* Bill, H. 9—61408

Calas, J. *see* Fau, C. 9—82595

Calberg-Bacq, C.M. *see* Piette, J. 9—100573

Calboreanu, A., Mancas, S. The systematics fo nuclear single particle states in a Woods-Saxon potential 9—59003

Caldas, I.L., Tasso, H. Constants of motion of nonlinear equations in an extended Poisson formalism 9—49061

Caldeira, J.F.C. *see* Debehogne, H. 9—70985

Caldeira, M.H., de Sousa, C.A. Comparison of convergence rates of boson expansions 9—93037

Caldeira, M.H., Domingos, J.M. Quantization of the collective Hamiltonian in the adiabatic approximation 9—85388

Calder, R. *see* Achard, M.-H. 9—65329

Calderon, J.H. *see* Sersic, J.L. 9—75271

Calderwood, J.H. *see* Chadband, W.G. 9—91362

Calderwood, J.H. *see* Kagiafas, E.A. 9—91369

Caldesi-Valeri, V. *see* Da Ronch, A. 9—57633

Caldirola, P., Recami, E. A theory of strong interactions 'from' general relativity 9—49143

Caldirola, P., Recami, E. The concept of time in physics (considerations on physical time) 9—67139

Caldwell, C., Jr. *see* Melson, K.E. 9—76159

Caldwell, D.R. Variability of the bottom mixed layer on the Oregon shelf 9—74896

Caldwell, D.R., Fide, S.A. The effect of radial barriers on shelf-wave island resonance 9—57948

Caldwell, D.R. *see* Marmorino, G.O. 9—66704

Caldwell, G. *see* Stevenson, G.R. 9—96296

Caldwell, J. *see* Cess, R.D. 9—75150

Caldwell, J. *see* Jaffe, W. 9—101114

Caldwell, J. *see* Tokunaga, A.T. 9—84741

Caldwell, J.R. *see* Polach, H.A. 9—84225

Caldwell, J.W. *see* Gordon, M.S. 9—83440

Caldwell, R.A., Pac, C. An olefin triplet lifetime measurement by electron transfer interception 9—79269

Caldwell, W.E., Otto, D.C., Goode, S.R. A simplified method for sealing tungsten electrodes into quartz 9—71463

Caley, R. *see* Holt, J.G. 9—100734

Calhoun, M.D., Bilbro, J.W. Alternative signal processing techniques for a pulsed laser Doppler velocimeter system 9—77322

Calhoun, W.Ford *see* Ford Calhoun, W.

Calicchio, M. *see* Barbarito, E. 9—86076

Califano, S., Righini, R., Walmsley, S.H. Quadrupole contributions to lattice vibration frequencies of benzene and naphthalene 9—82290

Calimani, E. *see* Bonetti, S. 9—49509

Calimani, E. *see* Pohl, M. 9—49507

Calinon, R., Golden, K.I., Kalman, G., Merlini, D. Exact two-dimensional plasma pair-correlation function in the Singwi-Tosi-Land-Sjolander approximation. I. k-space and thermodynamic properties 9—94770

Calinon, R., Ligou, J. Application of the generalized backward substitution method to solve a class of linear systems 9—63008

Calinon, R. *see* Bakshi, P. 9—90379

Calisal, S.M. An experimental study of turbulent boundary layer with slit suction 9—81859

Calixto, S. *see* Roychoudhuri, C. 9—54191

Calkins, D.J. Physical measurements of river ice jams 9—53398

Callabresi, M.L. *see* Jones, A.T. 9—77012

Callahan, C.A. *see* Gakstatter, J.H. 9—88015

Callahan, G.M. *see* Harvey, J.E. 9—59797

Callahan, P.S. *see* Kyaw Tha Paw U 9—96728

Callan, C.G., Dashen, R.F., Gross, D.J. Semiclassical methods in quantum chromodynamics: Toward a theory of hadron structure 9—97594

Callan, C.G., Jr., Dashen, R.F., Gross, D.J. A theory of hadronic structure 9—58932

Callan, R.D. *see* Brown, R.G.W. 9—50827

Callarotti, R.C. *see* Aponte, J.M. 9—56443

Callaway, J., Chatterjee, A.K. Longitudinal spin susceptibility of a ferromagnetic metal 9—61078

Callaway, J., Henry, R.J.W., Msezane, A.P. Excitation of ions of the lithium isoelectronic sequence in the relativistic Coulomb-Born approximation 9—68318
Callaway, J., Oza, D.H. Ionization of hydrogen atoms by electron impact 9—76516
Callaway, J. *see* Bhadra, K. 9—76517
Callaway, J. *see* Singhal, S.P. 9—78044
Callcott, T.A. *see* Williams, M.W. 9—99954
Callear, A.B., Kendall, D.R. A violet emission from optically excited mercury vapour. Kinetics of the formation and decay of excited dimers and trimers 9—76464
Callear, A.B., Lai, K.-L. Electronic absorption spectra of metastable dimers and trimers in optically excited mercury vapour. The carrier of the green emission 9—76438
Callegari, G. *see* Baroni, L. 9—75236
Calleja, E. *see* Criado, A. 9—99612
Calleja, F.J.Balta *see* Balta Calleja, F.J.
Calleja, R.D., Guzman, G.M. Microscopic relaxation spectra of the Havriliak-Negami complex permittivity function 9—61291
Calleja, R.D., Guzman, G.M. Dielectric polarisation functions corresponding to the Cole-Cole and Davidson-Cole representations 9—61294
Calleja, R.D., Guzman, G.M. Study of the free oscillations of a torsion pendulum with an elastic element 9—68613
Callen, H. Physical processes in 'implanted disk' magnetic bubble devices 9—78453
Callen, J.D. *see* Soler, M. 9—64911
Callen, P.W. *see* Goldberg, H.I. 9—92310
Callender, R.H. *see* Monger, T.G. 9—83706
Callerame, J., Tancrell, R.H., Wilson, D.T. Comparison of ceramic and polymer transducers for medical imaging 9—57734
Callerame, J. *see* Tancrell, R.H. 9—57738
Callicot, C., Lunt, M.J. A maximum frequency detector for Doppler blood velocimeters 9—53201
Calligaris, F., Ciuti, P., Gabrielli, I. Synthesis of formulae describing the temporal light modulation by ultrasound 9—76907
Calligaris, F. *see* Barbina, V. 9—80048
Calligaro, M. Deep level of palladium in silicon 9—51524
Callis, L.B., Natarajan, N., Nealy, J.E. Ozone and temperature trends associated with the 11-year solar cycle 9—84443
Callister, W.D., Johnson, M.L., Cutler, I.B., Ure, R.W., Jr. Sintering chromium oxide with the aid of TiO_2 9—78919
Callot, O. *see* Badier, J. 9—93460
Calloway, E. *see* Gevins, A.S. 9—100591
Calo, J.M. *see* Hsueh-Chia Chang 9—70296
Calogero, F. Integral representation and generating functions for the polynomials $U_n^{(\alpha,\beta)}(x)$ 9—53957
Calogero, F. Singular integral operators with integral eigenvalues and polynomial eigenfunctions 9—62997
Calogero, F. Simple examples in singular perturbation theory: eigenvalues that do not tend to the unperturbed values as the perturbation is switched off 9—92976
Calogero, F., Degasperis, A. Spectral transform and nonlinear evolution equations 9—49019
Calogero, F., Degasperis, A. Novel class of nonlinear evolution equations solvable by the spectral transform technique, including the so-called cylindrical KdV equation 9—75370
Calogero, F. *see* Bruschi, M. 9—49013
Caloi, V. On the period-amplitude relation for RR Lyrae stars in globular clusters and the anomalous horizontal branch in ω Centauri 9—67019
Calster, A.van *see* van Calster, A.
Calster, A.Van *see* Van Calster, A.
Caltagirone, J.P. *see* Charrier-Mojtabi, M.C. 9—81880
Caltagirone, J.P. *see* Chhuon, B. 9—81965
Caltagirone, J.-P. *see* Mojtabi, A. 9—68815
Calusinski, B., Jakubczyk, E., Seroka, M., Popczyk, G. Resistance vacuum meter sonde with extended measuring range towards low vacuum 9—71472
Calusinski, B., Popczyk-Lapczynska, G., Jakubczyk, E., Swierczynski, T. A proof of escalation of the measuring range of resistance-vacuum meter 9—54148
Calva-Tellez, E., Yennie, D.R. Coulomb corrections to deep-inelastic electron or muon scattering from nuclei 9—89299
Calvani, M., Nobili, L. Dressing up a Kerr naked singularity 9—75245
Calvani, M., Salmistraro, F., Catenacci, R. Irreducible mass for the Tomimatsu-Sato space-times 9—49133
Calvani, M. *see* Caderni, N. 9—62866
Calvani, M. *see* de Felice, F. 9—80479
Calvarin, G. *see* Clec'h, G. 9—51093
Calvelo, A. *see* Zaritzky, N.E. 9—86487
Calverd, A.M., Evans, P. Bar-graph beat frequency display 9—63191
Calvert, J., Griner, D., Montenegro, J., Nola, F., Rutledge, F., Tandberg-Hanssen, E., Wyman, C.L., Beckers, J.M. An ultraviolet polarimeter for the Solar Maximum Mission 9—80225
Calvert, J.G. *see* Bottenheim, J.W. 9—50042
Calvert, J.G. *see* Kan, C.S. 9—61844
Calvert, J.G. *see* Lin, C.L. 9—100461, 9—100462
Calvert, J.G. *see* Su, F. 9—93994
Calvert, J.M., Lees, D.G. The application of nuclear techniques to high temperature oxidation studies 9—87912
Calvert, L.D. *see* Taylor, J.B. 9—51075
Calvert, L.D. *see* Wang, Y. 9—99135
Calvert, L.D. *see* Yu Wang 9—69078
Calvert, R. *see* Ungewickell, E. 9—96514
Calvert, W. *see* Benson, R.F. 9—84558
Calvetti, M. *see* Bell, M. 9—93413
Calvez, Y.Le *see* Le Calvez, Y.
Calviello, J.A. *see* Holm, R.T. 9—56293
Calvin, M. *see* McGregor, K.G. 9—51669
Calvo, C. *see* Ng, H.N. 9—55719
Calvo, F.M.Duque *see* Duque Calvo, F.M.
Calvo, M. Quantum theory of electrons in helical magnetic fields 9—80470
Calvo, R. *see* Fisk, Z. 9—73738
Calvo A, J.L. *see* Pena Bernal, J.J. 9—97163
Calwell, W., Greig, D. Spin-fluctuation thermopower in Pd-Ni alloys 9—60802
Camail, M., Proutiere, A., Bodot, H. Molecular electrostatics. I. Quantitative prediction of molecular electrooptical properties. Application of alkanes and alkyl chlorides 9—50162
Camani, M., Gygax, F.N., Ruegg, W., Schenck, A., Schilling, H. Information on the band structure of ferromagnetic Ni from μSR-Knight shift measurements 9—56663
Camani, M., Gygax, F.N., Ruegg, W., Schenck, A., Schilling, H., Fleming, D.G. New results on the depolarisation of positive muons in copper 9—56692
Camani, M., Gygax, F.N., Ruegg, W., Schenck, A., Schilling, H., Stucki, F., Schlapbach, L. Investigation of the hydrogen storing compound $LaNi_5H_x$ with positive muons 9—56699
Camani, M., Gygax, F.N., Ruegg, W., Schenck, A., Schilling, H., Klempt, E., Schulze, R., Wolf, H. Muon-substituted compounds in liquid bromine and water—determination of the relevant diamagnetic shieldings 9—57279
Camania, M., Gygax, F.N., Ruegg, W., Schilling, H., Schenk, A., Klempt, E., Schulze, R., Wolf, H. Muon Knight shift measurements in the alkali and alkaline earth metal series 9—56656
Camarda, H.S. A beam position monitor for use with pulsed charge particle beams 9—59288
Camassel, J., Merle, P., Mathieu, H., Gouskov, A. Near-band-edge optical properties of $GaSe_xTe_{1-x}$ mixed crystals 9—61401
Camassel, J. *see* Altier, J. 9—78739
Camassel, J. *see* Mathieu, H. 9—69854
Camassel, J. *see* Merle, P. 9—82996
Camassel, J. *see* Pascual, J. 9—95806
Cambell, N.A., Stika, K.M., Morrison, G.H. Calcium and potassium in the motor organ of the sensitive plant: localization by ion microscopy 9—66466
Cambey, L.A., Weinig, S. Sputtering and its applications—the present status 9—83124
Cambiaggio, M.C., Plastino, A. Quasi-spin projection in an exactly soluble model 9—71812
Cambon, C. *see* Vignon, J.-M. 9—81849
Cambon, G. *see* Attal, J. 9—50551
Cambon, P. *see* Bougault, H. 9—88334
Cambray, R.S., Fisher, E.M.R., Playford, K., Eakins, J.D., Peirson, D.H. Radioactive fallout in air and rain: results to end of 1978 9—79997
Camel, D., Lemaignan, C., Pelissier, J. In-situ observation of solidification interfaces with a very high voltage electron microscope 9—87574
Camel, H.M. *see* Perez, C.A. 9—100745
Camenshi, G. A model of a viscous fluid motion through thin pipe with thin linear elastic wall 9—64769
Camera, M.La *see* La Camera, M.
Cameron, A.G.W. The neutron-rich silicon-burning and equilibrium processes of nucleosynthesis 9—62816
Cameron, A.G.W. *see* Decampli, W.M. 9—75123
Cameron, D.C., Duncan, W., Tsang, W.M. The structural and electron transport properties of CdS grown by molecular beam epitaxy 9—82481
Cameron, D.C. *see* Tsang, W.M. 9—65550
Cameron, H.U. The early results of clinical trials with a microporous metal hip prosthesis 9—79687
Cameron, H.U., Pilliar, R.M., Bobyn, D. Ultrasonic removal of porous coated implants 9—79618
Cameron, H.U. *see* Szivek, J.A. 9—79685
Cameron, I.G., McGregor, C.B., West, P.H. Current status of the p-α-τ equation of state in Lagrangian codes 9—68771
Cameron, J. *see* Besset, D. 9—63503
Cameron, J.M., Fielding, H.W., Lam, S.T., Neilson, G.C., Soukup, J. Quasi free scattering in the $^2H(n,2n)p$ reaction at E_n=21.5 MeV 9—75993
Cameron, J.M. *see* Anderson, A.N. 9—71834
Cameron, J.M. *see* James, A.N. 9—93614
Cameron, J.M. *see* Soukup, J. 9—67669
Cameron, T.E. *see* Shurvell, H.F. 9—76430
Cameron, W.E., Nisbet, E.G., Dietrich, V.J. Boninites, komatiites and ophiolitic basalts 9—92539
Cameron, W.E. *see* Roddick, J.C. 9—74872
Cameron, W.L. *see* Bowden, R.L. 9—93081
Cametti, J., Schmidt, E. On the neutron-physical feasibility of transmutation of actinides other than fuel in nuclear power reactors 9—85701
Camilleri, L. Weak-electromagnetic interference 9—97614
Camilloni, R., Stefani, G., Fantoni, R., Giardini-Guidoni, A. Study of molecular orbitals by means of (e,2e) spectroscopy on oriented molecules 9—98236
Camilloni, R. *see* Stefani, G. 9—86072
Caminati, W., Scappini, F., Corbelli, G. Equilibrium configuration of acetic acid 9—59442
Caminiti, R., Paschina, G., Pinna, G., Magini, M. Experimental evidence of interactions SO_4^{2-}-H_2O in an aqueous solution 9—77479
Camley, R.E. Magnetoelastic waves in a ferromagnetic film on a nonmagnetic substrate 9—99744
Camlibel, I. *see* Van Uitert, L.G. 9—49219
Cammack, D.A. *see* Asbeck, P.M. 9—89954, 9—98359
Cammarata, J.B. Two-photon emission in negative pion capture by protons 9—85337
Cammarata, J.B. $\pi^- p \to \gamma\gamma n$ in a chiral Lagrangian model 9—93669
Cammarata, J.B. *see* Arndt, R.A. 9—93456
Cammarata, J.B. *see* Nien-Chih Wei 9—85334
Cammarata, J.B. *see* Truex, W.S. 9—85372
Cammarota, G.P. *see* Felioni, L. 9—70206
Camosci, D.A., Homeyer, J.W., Mazzone, H.M. Computer analysis for the thermal transition midpoint of DNA 9—74593
Camp, A.L., Sanders, R.C. Optimization of the University of Missouri research reactor fuel cycle 9—67930
Camp, P.E.Van *see* Van Camp, P.E.
Camp, P.G. The roles of PTC thermistors in temperature measurement and control 9—71448
Camp, V.M. *see* Faraj, B.A. 9—53231
Campagna, M. *see* Bringer, A. 9—74054
Campagnoli, G., Gustinetti, A., Maghini, D., Stella, A., Levy, F. Effect of CDW on the optical spectra of 1T and 2H polytypes 9—95738
Campana, L.S., D'Auria, A.C., De Cesare, L., Esposito, U. Low-temperature behaviour of a high-density Bose model 9—80502
Campana, R.J. *see* Krug, W. 9—67924
Campanini, R. *see* Giboni, K.L. 9—89204
Campanino, M., Del Grosso, G., Tirozzi, B. Local limit theorem for Gibbs random fields of particles and unbounded spins 9—97296
Campargue, R., Soep, B. Electronic relaxation of biacetyl in a supersonic jet 9—81224
Campbell, A.B. *see* Tewari, P.H. 9—79145
Campbell, A.B., III *see* Sartwell, B.D. 9—52447
Campbell, A.M. Pinning by random defects in an elastic vortex lattice 9—56465
Campbell, A.M. *see* Cave, J.R. 9—56464
Campbell, A.N. The density and vapour pressure of dimethylsulfoxide at various temperatures and the (hypothetical) critical density 9—90768
Campbell, C.E. The structure of quantum fluids 9—60564
Campbell, C.E., Pinski, F.J. Theory of fourth order structure and Raman scattering in liquid ^4He 9—56801
Campbell, C.T., Shei-Kung Shi, White, J.M. Carbon monoxide oxidation reaction over Rh 9—79294
Campbell, D. *see* Glaros, S.S. 9—81079
Campbell, D.A. *see* Barkman, J.H. 9—87965
Campbell, D.B. *see* Shapiro, I.I. 9—66944
Campbell, D.K. Partially conserved axial-vector current and model chiral field theories in nuclear physics 9—67698
Campbell, D.K. Nuclear physics in one dimension 9—80890
Campbell, D.K. Field theory, chiral symmetry, and pion-nucleus interactions 9—80961
Campbell, D.M. *see* Reihl, B. 9—95903
Campbell, G.S. Improved thermocouple psychrometers for measurement of soil water potential in a temperature gradient 9—74974
Campbell, G.S. *see* Cary, J.W. 9—88379
Campbell, I. Response of wide dynamic range integrating sound level meters to impulsive sounds 9—50547
Campbell, I. Maximum hold arrangements in precision sound level meters 9—76928
Campbell, I.A. The Nernst-Ettingshausen effect in ferromagnetic metals 9—56199
Campbell, I.A., Creuzet, G., Sanchez, J. Magnetostriction in single-crystal and polycrystalline silver doped with rare earths 9—78501
Campbell, I.A. *see* Bowden, G.J. 9—95694
Campbell, I.A. *see* Suzuki, H. 9—61070
Campbell, I.G., McCammond, D., Ward, C.A. Effect of pre-soak and dissolved gas content on craze nucleation and creep of poly(methyl methacrylate) in methanol 9—66185
Campbell, J.A. Two classes of special functions for the phase-integral approximation 9—75321
Campbell, J.C. Tapered waveguides for guided wave optics 9—50376

Campbell, J.C. Coupling of fibers to Ti-diffused $LiNbO_3$ waveguides by butt-joining 9—76812
Campbell, J.C., Lee, T.P., Dentai, A.G., Burrus, C.A. Dual-wavelength demultiplexing InGaAsP photodiode 9—63304
Campbell, J.D. *see* Filseth, S.V. 9—68275
Campbell, J.D. *see* Meguid, S.A. 9—57084
Campbell, J.J. *see* Pawel, R.E. 9—66208
Campbell, J.L., Schulte, C.W. Positron trapping and self-diffusion activation energies in chromium 9—74015
Campbell, J.L. *see* Schulte, C.W. 9—74016
Campbell, J.S. The Campbell Chinese type windmill 9—61939
Campbell, J.W. Electronic self-monitoring seal 9—85690
Campbell, K.W. Empirical synthesis of seismic velocity profiles from geotechnical data 9—88516
Campbell, L. *see* Efthimion, P.C. 9—90463
Campbell, L. *see* Hill, K.W. 9—68956
Campbell, L.E. Other elements: Cs, K, and Kr. [Mossbauer isomer shifts] 9—87363
Campbell, L.J., Ziff, R. On the free energy of vortices in rotating He II 9—51329
Campbell, M. *see* Baillie, A.D. 9—93557
Campbell, M.F. *see* Harvey, P.M. 9—53808
Campbell, M.J. A note on the sampling of a point process for spectral analysis 9—68498
Campbell, M.J., Sheppard, J.C., Au, B.F. Measurement of hydroxyl concentration in boundary layer air by monitoring CO oxidation 9—58012
Campbell, M.K. *see* Schmidt, M.P. 9—89146
Campbell, P.T. *see* Armstrong, T.A. 9—85344
Campbell, R.W.F. *see* Murray, A. 9—70664
Campbell, S.D., Yee, S.S., Afromowitz, M.A. Applications of photoacoustic spectroscopy to problems in dermatology research 9—57823
Campbell, S.J. *see* Wantenaar, G.H.J. 9—61072
Campbell, W.B., Morgan, T.A. Non-abelian plane-fronted waves 9—67468
Campbell, W.H. Occurrence of AE and Dst geomagnetic index levels and the selection of the quietest days in a year 9—66877
Campbell, W.J. *see* Chi-Hai Ling 9—53553
Campi, X. *see* Bouyssy, A. 9—67641
Campi, X. *see* Brissaud, I. 9—93500
Campi, X. *see* Sprung, D.W.L. 9—89260
Campisano, S.U. *see* Baeri, P. 9—56080
Campisano, S.U. *see* Grimaldi, M.G. 9—95045
Campisano, S.U. *see* Rimini, E. 9—69125
Campisano, S.U. *see* Tandon, J.L. 9—69118
Campo, A. On a transformation regarding the variable heat transfer properties in a laminar region 9—68693
Campo, F.del *see* del Campo, F.
Campo, J.Gomez del *see* Gomez del Campo, J.
Campo, J.Gomez Del *see* Gomez Del Campo, J.
Campos, A.J. *see* Breger, M. 9—58357
Campos, J., Ortiz, M. Time dependence of scintillations from alpha particle excitation of materials dissolved in toluene and cyclohexane 9—99950
Campos, J. *see* Arqueros, F. 9—98230
Campos, J. *see* Jimenez, E. 9—89626
Campos, L.L. *see* Muccillo, R. 9—65792
Campos, O.Silva *see* Silva Campos, O.
Campos, V.B. *see* Hipolito, O. 9—73563
Campos-Loriz, D., Riley, F.L. The effects of hydrogen on the nitridation of silicon 9—57128
Camps, R.A. *see* Cosslett, V.E. 9—97475
Camps, R.A. *see* Jefferson, D.A. 9—100829
Campusano, L.E. *see* Anguita, C. 9—75284
Campuzano, J.C., Greenler, R.G. The adsorption sites of CO on Ni (111) as determined by infrared reflection-absorption spectroscopy 9—69355
Campuzano, J.C., Greenler, R.G. Adsorption sites of CO on Ni (111) as determined by infrared reflection-absorption spectroscopy 9—77903
Camuffo, D., Tampieri, F., Zambon, G. Local mesoscale circulation over Venice as a result of the mountain-sea interaction 9—88401
Camus, P., Dieulin, M., Morillon, C. Optogalvanic detection of barium high-lying levels with a two-step pulsed laser excitation 9—98055
Camus, P. *see* Wyart, J.-F. 9—85923
Camy, G. *see* Borde, C.J. 9—93985
Camy-Peyret, C. *see* Barbe, A. 9—64001
Camy-Peyret, C. *see* Flaud, J.-M. 9—72308
Camy-Peyret, C. *see* Malathy Devi, V. 9—98079
Canal, F., Grimsditch, M., Cardona, M. Piezobirefringence in GaP and InP 9—51929
Canali, C., Majni, G., Ottaviani, G., Celotti, G. Phase diagrams and metal-rich silicide formation 9—51442
Canali, C. *see* Nava, F. 9—56233
Canali, C. *see* Reggiani, L. 9—60842
Canani, S.B. *see* Giordano, P. 9—97875
Canas, J.A., Mitchell, B.J. Lateral variation of surface-wave anelastic attenuation across the Pacific 9—84123
Canavati, J.A., Minzoni, A.A. A discontinuous Steklov problem with an application to water waves 9—98739
Canavesio, F., Ceruti, R. Piezoelectrets 9—98577
Cancellieri, G. New ray-optics approach to the propagation in graded-index fibres 9—76849
Cancellieri, G., Fantini, P. Numerical calculation of ray optical paths and relative delays in graded-index optical fibers 9—89987
Cancellieri, G., Mezzetti, M. Scanning technique for investigating optical fibre dispersion 9—76852
Cancellieri, G., Mezzetti, M., Someda, C.G., Zoboli, M. Simplified procedure for indirect tests of optical-fibre transfer functions 9—50386
Candau, S. *see* Lebrun, J. 9—91402
Candau, S.J., Young, C.Y., Tanaka, T., Lemarechal, P., Bastide, J. Intensity of light scattered from polymeric gels: influence of the structure of the networks 9—70381
Candel, S.M. Numerical solution of wave scattering problems in the parabolic approximation 9—50491
Candela, G.A., Haines, R.A. A method for determining the region of superparamagnetism 9—87292
Candelas, P., Dowker, J.S. Field theories on conformally related space-times: some global considerations 9—67473
Candelore, N.R., Gast, R.C., Ondis, L.A., II RCP01 9—71912
Candelore, N.R. *see* Dralle, A.V. 9—67810
Cander, L.R., Stanic, B.V. Cross polarization of EM waves scattered by an isotropic inhomogeneous moving plasma column 9—98917
Candia, F.De *see* De Candia, F.
Candille, M. *see* Bernier, P. 9—82859
Candy, J.M., Martin, I.L., Rodbard, D., Costa, T., Pert, C.B. Is the benzodiazepine receptor coupled to a chloride anion channel? [and reply] 9—79486
Candy, J.P. *see* Renouprez, A.J. 9—69353
Candy, J.-P., Fouilloux, P., Vedrine, J.C., Imelik, B. Influence of metallic aluminium on the Raney nickel texture studied by nitrogen physisorption and by ESCA 9—69348
Candy, M.P. Periodic Comet Schwassmann-Wachmann 3 (1979g) 9—84750
Candy, M.P. Comet 1979g [Periodic Comet Schwassmann Wachmann 3] 9—88622
Candy, M.P. *see* Herald, D. 9—75159
Candy, M.P. *see* Schwartz, G. 9—71002
Cane, B.J. Interrelationship between creep deformation and creep rupture in 2 1/4Cr-1Mo steel 9—61664
Cane, B.J. *see* Williams, K.R. 9—74218
Canellias, M., Javelas, R. Simulation of a solar heating system 9—92063
Canepa, B. *see* Alessi, P. 9—87871
Canepa, P.C. *see* Suchanski, W. 9—95668
Caneschi, I., Schwimmer, A. The time development of QCD jets 9—93356
Caneschi, L. Hadrons from jets 9—71702
Canet, D., Nery, H., Brondeau, J. Longitudinal nuclear relaxation of an ABX spin system application to a $^{13}C-^{13}C-^{1}H$ fragment with and without proton irradiation 9—54868
Canet, D. *see* Marchal, J.-P. 9—93196
Caney, V. *see* Collins, G.B. 9—89459
Cang Xie *see* Xie Cang
Canham, P.B., Mullin, K. Orientation of medial smooth muscle in the wall of systemic muscular arteries 9—70572
Canico, D. Collective dose commitment in the nuclear electric power industry and its application to the evaluation of future dose rates among a population 9—63816
Canivell, V., Seglar, P. Quantum systems in phase space: pseudoclassical dynamics in terms of minimum uncertainty states 9—63143
Canizares, C. *see* Giacconi, R. 9—70941
Canizares, C. *see* Kaluzienski, L. 9—62842
Canizares, C.R. *see* McClintock, J.E. 9—58442
Cann, M.W.P., Nicholls, R.W., Evans, W.F.J., Kohl, J.L., Kurucz, R., Parkinson, W.H., Reeves, E.M. High resolution atmospheric transmission calculations down to 28.7 km in the 200-243-nm spectral range 9—62575
Cann, R.J. *see* Owen, M.J. 9—83299
Cannata, F. *see* Bergia, S. 9—71189
Cannata, F. *see* Mazzanti, P. 9—49524
Cannell, L.E., Zurmuhle, R.W., Balamuth, D.P. Particle-gamma coincidence study of gross-structure peaks in $^{12}C+^{12}C$ inelastic scattering 9—97693
Cannon, N.S. *see* Wire, G.L. 9—74207
Cannon, R.D. *see* Longmore, A.J. 9—71127
Cannon, T.M., Fenimore, E.E. Tomographical imaging using uniformly redundant arrays 9—58852
Cannon, T.M. *see* Fenimore, E.E. 9—60189
Cannon, W.R. *see* Danforth, S.C. 9—74119
Cano, G.L. First visual in-pile fuel disruption experiments 9—49747
Canobbio, E. Heating of thermonuclear toroidal plasmas 9—98934
Cant, A., Hurst, C.A. The algebraic structure of relativistic wave equations 9—67460
Cant, J.R. *see* Chimoskey, J.E. 9—53280
Cant, R.J. The effective potential vacuum tunnelling and the 1/N expansion 9—93289
Cantagrel, J.M. *see* Dosso, L. 9—57924
Cantaloube, B., Dreyfus, G., Lewiner, J. Vapor-induced depolarization currents in electrets 9—87379
Canteloup, J. *see* Tueta, R. 9—70025
Canterna, R., Perry, C.L., Crawford, D.L. Multicolor photometry of the galactic cluster NGC 1039 (M34) 9—84831
Canterna, R. *see* Harris, W.E. 9—92857
Cantini, P., Tatarek, R., Felcher, G.P. Diffraction of a beam of monoenergetic helium atoms from the (001) face of nickel oxide 9—61487
Cantini, P. *see* Boato, G. 9—73453
Canto, J., Dyson, J.E. On the structure of shock waves. The first stages 9—88714
Canto, J., Johnson, P.G., Meaburn, J., Mikhail, J.S., Terrett, D.L., White, N.J. The profiles of the [N II] 6584 Å line over the giant H II regions IC 1318 b and c, NGC 7000 and IC 5070. II 9—67081
Canto, L.F. *see* Donangelo, R. 9—59083, 9—67726
Cantor, C.R. *see* Jelenc, P.C. 9—96517
Cantor, M. A necessary and sufficient condition for York data to specify an asymptotically flat spacetime 9—97264
Cantow, H.-J. *see* Salvin, R. 9—74220, 9—74374
Cantrijn, F. On structure preserving transformations for Newtonian Lie-admissible equations 9—53969
Cantu, A.M., Jannitti, E., Mazzoni, M., Pettini, M., Tondello, G. Absorption spectrum of Ag I in the vacuum ultraviolet 9—49973
Cantu, A.M. *see* Jannitti, E. 9—93947
Canty, J.M., Mates, R.E. A programmable pressure source for coronary flow studies 9—92278
Canuto, V., Datta, B., Kalman, G. Astrophysical determination of the scale parameter in QCD 9—89112
Canuto, V., Hsieh, S.-H., Owen, J.R. Varying G 9—92666
Canzek, L. New advances in the development of catadioptric lenses 9—50366
Canzek, L. Optical strain and centering sensitivity in the paraxial region 9—55202
Cao Hong-xing, Luo Qiao-lin Spectral analysis of meteorological historical series using maximum entropy method 9—79958
Cao Pu-An *see* Ye Lin-Cai 9—62591
Cao Xuan An, Benoit, J.P., Hauret, G., Chapelle, J.P. New results in the study of Brillouin scattering in thiourea 9—87453
Capaccio, G., Ward, I.M., Wilding, M.A. The plastic deformation of γ-irradiated linear polyethylene 9—56996
Capasso, F. *see* Beni, G. 9—69516
Capdevila, C., Roca, M. Luminescence discharge as source of excitation in spectrochemical analysis: application of study of corrosion in materials in ML-1 sodium circuit 9—92029
Capedri, S., Venturelli, G. Clinopyroxene composition of ophiolitic metabasalts in the Mediterranean area 9—57925
Capehart, B.L., Parker, J.H. Florida REAC's—a vehicle for technical input by citizens to the State energy policy process 9—79363
Capehart, T.W., Rhodin, T.N. Selenium and sulfur bonding on Ni(111); angular resolved photoemission 9—69360
Capehart, T.W., Rhodin, T.N. Bonding geometry and electronic structure of the chalcogens on Ni(111) 9—77909
Capek, V. Rate equations in the hopping transport. II. Boundary conditions and limiting processes in a simple 1D model 9—60825
Capek, V. Rate equations in the hopping transport. III. A completely new interpretation of the DC phonon-assisted hopping in the mobility gap 9—60826
Capel, H.W. *see* Perk, J.H.H. 9—71355, 9—73727
Capella, L. *see* Billia, B. 9—86727
Capella, L. *see* Coulet, A.L. 9—96249
Capellani, F. *see* Restelli, G. 9—84481
Capellmann, H. Calculation of T_c of iron and nickel 9—56536
Capellmann, H. Theory of itinerant ferromagnetism in the 3-d transition metals 9—78301
Capes, R.N. *see* Teoste, R. 9—70865
Capio, C.D. *see* Adams, A.C. 9—69989
Capiomont, Y. *see* Cinti, R.C. 9—91566
Capitani, G.P., De Sanctis, E., Di Giacomo, P., Guaraldo, C., Scrimaglio, R., Corvisiero, P., Ricco, G., Sanzone, M., Zucchiatti, A. Photoreactions at Frascati: experimental aspects 9—72034
Capitani, G.P. *see* Royer, D. 9—67747
Capitelli, M., Dilonardo, M. Electron energy distribution functions of hydrogen: the effect of superelastic vibrational collisions and of the dissociation processes 9—59589
Capitelli, M. *see* Cacciatore, M. 9—64933
Capitelli, M. *see* Schmailzl, U. 9—86016
Capizzi, M., Thomas, G.A., DeRosa, F., Bhatt, R.N., Rice, T.M. Observation of a donor exciton band in silicon 9—91477
Capizzi, M., Thomas, G.A., Devlin, G., DeRosa, F., Mock, J., Allen, S.J., Jr. Submillimeter wave study of the metal-insulator transition in phosphorous-doped silicon 9—95336
Capizzi, M. *see* Thomas, G.A. 9—60728
Capjack, C.E. *see* McMullin, J.N. 9—64871
Capjack, C.E. *see* Milroy, R.D. 9—55524

Caplain, A., Chambron, W. Study of the vacancy-carbon interaction in a Ni-20 at.% Fe alloy by the method of induced magnetic anisotropy 9—55775
Caplan, D., Sproule, G.I., Hussey, R.J., Graham, M.J. Oxidation of Fe-C alloys at 700°C 9—61790
Caplan, H.S. *see* Ansaldo, E.J. 9—75898
Caplan, S.R. *see* Rosenheck, K. 9—62185
Caplet, J.L. *see* Berneron, R. 9—52839
Caplin, A.D. *see* Barnard, B.R. 9—60795, 9—63275
Capodanno, P. On two extensions of Levi-Civitas theorem of gyroscopic systems and some applications 9—50579
Capon, G. *see* Bacci, C. 9—93440
Capon, G. *see* Celio, R.B. 9—93425
Capone, A. *see* Amaldi, E. 9—71771
Capone, A. *see* Jonker, M. 9—93399
Caponi, M.Z. *see* Bohmer, H. 9—68400
Caponi, M.Z. *see* Da Jornada, E.H. 9—60154
Caporaletti, O., Graham, G.M., Sumiyama, K. Direct comparison of the magnetic properties of ordered and disordered $Fe_{3-x}Pt_{1+x}$ alloys at low temperatures 9—56517
Caporiacco, G.di *see* di Caporiacco, G.
Capp, M.P. *see* Seeley, G.W. 9—74751
Capp, S.P. *see* George, W.K., Jr. 9—68684
Cappellani, F., Restelli, G. Diode laser measurements of NH_3 ν_2-band spectral lines 9—98086
Cappellani, F., Restelli, G., Melandrone, G. Evaluation of CF_2Cl_2 and $CFCl_3$ spectral data for atmospheric sensing 9—62582
Cappeller, U., Dellit, L., Mazurkewitz, W. Anharmonic magnetic resonance phenomena in a gaseous system of optically pumped ^{203}Hg nuclei 9—94015
Cappellini, V., Del Re, E., Evangelisti, A., Pastorelli, M. The application of digital filtering and data compression to ECG signals processing 9—96670
Capper, P. *see* Bartlett, B.E. 9—55684, 9—91578
Cappi, R. *see* Boussard, D. 9—76193
Cappiello, M.W., Marr, D.R. LMFBR design with the composite fuel assembly 9—54489
Capps, R.W. *see* Knacke, R.F. 9—80367
Caprace, G. *see* Natalis, P. 9—89710
Caprasse, H. Remarks on the scaling properties of the Schrodinger equation 9—67496
Caprio, M.L., Jr. Collimator selection for Ga-67 imaging with the Anger camera 9—57764
Caprio, V.De *see* De Caprio, V.
Capriotti, E., Foltz, C., Byard, P. The asymmetric, broad hydrogen emission lines of Seyfert 1 galaxies 9—71108
Capsoni, C., Matricciani, E., Paraboni, A. The relationship between the attenuations at 11.6 and 17.8 GHz [SIRIO satellite link] 9—84340
Capsoni, C., Mauri, M., Paraboni, A. Cumulative attenuation statistics at 11.6 and 17.8 GHz SIRIO satellite link 9—84339
Capsoni, C., Pawlina, A., Politi, M. Performances of the meteorological radar at Spino d'Adda as a device for propagation studies 9—84342
Capua, M.S.Di *see* Di Capua, M.S.
Capurso, M. Some upper bound principles to plastic strains in dynamic shakedown of elastoplastic structures 9—76986
Caputo, A.J., Johnson, D.R., Bayne, C.K. Factors affecting defective fraction of Biso-coated high-temperature gas-cooled reactor fuel particles during in-block carbonization 9—67922
Caputo, B. *see* Leonard, D.A. 9—80036
Caputo, M. A model for the fatigue in elastic materials with frequency independent Q 9—86384
Caputo, R.S. *see* Fujita, T. 9—52908
Capuzzi, F. *see* Boffi, S. 9—63584
Capuzzo, J.M. *see* Goldman, J.C. 9—88372
Car, R., Selloni, A. Local-field effects in the screening of impurities in silicon 9—60759
Car, R. *see* Myles, C.W. 9—61220
Cara, A.La *see* La Cara, A.
Cara, M. Lateral variations of S velocity in the upper mantle from higher Rayleigh modes 9—66643
Cara Romeo, G. *see* Basile, M. 9—76275
Carabatos, C. *see* Kugel, G.E. 9—51740
Caraca, J.M.G. *see* Correa, P.M. 9—59320
Caracoche, M.C. *see* Lopez-Garcia, A.R. 9—78589
Caracoche, M.C. *see* Martinez, J.A. 9—82902
Caraffini, G.L. *see* Braglia, G.L. 9—64199
Caralp, F., Tinel, C., Loirat, H. Study and rapid scanning spectroscopy of the species NH_i(NH_i=NH_3, NH_2, NH, N) occurring in the combustion of NH_3-NO mixtures 9—52665
Carassiti, V. *see* Allsopp, S.R. 9—91978
Caratori, J. *see* Goutelard, C. 9—58175
Caraveo, P. *see* Dolan, J.F. 9—75297
Caraveo, P.A., Paul, J.A. The large scale structure of the galactic gamma-ray emissivity 9—71116
Carbajal, B.G. *see* Matzen, W.T. 9—100521
Carbajal, J. Influence of the electric current on the refractive index for X-rays, of metallic films 9—78784
Carbajo, J.J., Howard, P.A. Experimental and analytical study of transients in LMFBR outlet plenums 9—49664
Carbajo, J.J. *see* Howard, P.A. 9—67889
Carballes, J.-C. *see* Duda, E. 9—98368
Carberry, J.J. *see* Pereira, C.J. 9—79281
Carbonaro, P., Persico, F. Theory of ESR dipolar splitting of a spin pair in the presence of avalanche phonons 9—61203
Carbone, E. *see* Wanke, E. 9—62221
Carbone, Q.J., Caulfield, J.J., Nowakowski, L., Petvai, S.I., Wernikowski, R.C. Cooled rotatable and adjustable radio frequency cathode in a thin film evaporator 9—78876
Carbone, R.E., Nelson, L.D. The evolution of raindrop spectra in warm-based convective storms as observed and numerically modeled 9—88417
Carbone, T.J., Reed, J.S. Microstructure development in barium titanate: effects of physical and chemical inhomogeneities 9—87594
Carbonnel, L. *see* Guieu, R. 9—51236
Carbotte, J.P. *see* Daams, J.M. 9—73631
Carbotte, J.P. *see* Kus, F.W. 9—60984
Carbotte, J.P. *see* Lie, S.G. 9—56368
Carbotte, J.P. *see* Whitmore, M.D. 9—51519, 9—95537
Carcione, J.M. *see* Abecasis, S.M. 9—59012
Card, H.C. Electrostatic effects of interface states on carrier transport in semiconductor heterojunctions 9—78160
Card, H.C., Ng, K.K. Tunneling in ultrathin SiO_2 layers on silicon: comments on dispersion relations for electrons and holes 9—99631
Card, H.C., Ulmer, R.W. On the temperature dependence of subthreshold currents in MOS electron inversion layers 9—73596
Card, H.C. *see* Teich, M.C. 9—64192
Cardarelli, E. *see* Bernabini, M. 9—74965
Cardellina, J.H.M., II, Marner, F.J., Moore, R.E. Seaweed dermatitis: structure of lyngbyatoxin Z 9—66443
Carden, P.O. *see* Williams, O.M. 9—87999
Carden, R.G. Optometric management of Fuchs's endothelial dystrophy 9—83994
Cardi, J.M. *see* Behar, J. 9—63330
Cardinal, P. *see* Measures, R.M. 9—77408, 9—77410
Cardinne, P., Deloche, D., Rojey, A., Laruę, J., Vidal, J. A new refrigeration cycle using phase separation phenomena 9—58721
Cardito, J.M., Eastman, E.A.B., Allen, P.R., Wainio, K.M. Reactor cavity radiation streaming 9—89365
Cardman, L.S. *see* Axel, P. 9—72042
Cardon, A. Some one- or two-dimensional asymptotic approximations for a general elastic problem 9—80444
Cardona, M., Ley, L. Introduction [to 'Photoemission in solids'] 9—61495
Cardona, M. *see* Abstreiter, G. 9—82540
Cardona, M. *see* Aspnes, D.E. 9—78705
Cardona, M. *see* Bermejo, D. 9—61358, 9—61359
Cardona, M. *see* Canal, F. 9—51929
Cardona, M. *see* Chandrasekhar, M. 9—95788
Cardona, M. *see* Grimsditch, M.H. 9—73899
Cardona, M. *see* Humphreys, R.G. 9—95805
Cardona, M. *see* Oka, Y. 9—65879
Cardona, M. *see* Pinczuk, A. 9—65878
Cardona, M. *see* Wieder, H. 9—61450
Cardona, M., Ley, L. *(editor)* Photoemission in Solids. I. General Principles 9—61494
Cardoso, J.L., Jr. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Cardoso, L.P., Caticha-Ellis, S. An X-ray microdensitometer 9—54241
Cardozo, H.A.Lopes *see* Lopes Cardozo, H.A.
Cardwell, W.T., Jr. Frequency counter in a probe 9—49209
Cardy, J.L., Scalapino, D.J. Phase diagram of a model for ^{3}He-^{4}He mixtures in two dimensions 9—60593
Carel, A.B. Flow control apparatus for DTA and DSC cells 9—67303
Carel, C. *see* Gavarri, J.-R. 9—86754
Carel, R.S., Drory, Y., Miller, H., Kaplinski, E. Utilization of an automated ECG interpretation system in an ambulatory health service 9—79669
Carelli, M.D., Bach, C.W. LMFBR core thermal-hydraulic analysis accounting for interassembly heat transfer 9—59153
Carelli, P. *see* Bordoni, R. 9—63274
Carena, F. *see* Angelini, C. 9—67548
Carenco, A., Menigaux, L., Alexandre, F., Abdalla, M., Brenac, A. Directional coupler switch in molecular-beam epitaxy GaAs 9—76878
Carenco, A., Menigaux, L., Delpech, P. Multiwavelength GaAs rib waveguide directional-coupler switch with 'stepped $\Delta\beta$' Schottky electrodes 9—98507
Caressa, J.-P. *see* Autric, M. 9—73021
Carette, G. *see* Houdas, Y. 9—62323
Carette, P. *see* Beaufils, J.Cl. 9—98061
Carew, T.J. *see* Castellucci, V.F. 9—83806
Carey, A.L., Hurst, C.A. Applications of an algebraic quantization of the electromagnetic field 9—63391
Carey, B.S., Scriven, L.E., Davis, H.T. Semiempirical theory of surface tensions of pure normal alkanes and alcohols 9—51391
Carey, D.C. *see* Cutts, D. 9—85346
Carey, G.F. Adaptive refinement and nonlinear fluid problems 9—49052
Carey, J.E., Thrall, J.H., Freitas, J.E., Beierwaltes, W.H. Absorbed dose to the human adrenals from iodomethylnorcholesterol (I-131) 'NP-59' 9—79660
Carey, R.F., Rooney, J.A., Smith, C.W. Threshold first sound amplitudes for the generation of vortex lines in He II 9—55970
Carey, T.A. *see* Karaoglan, E. 9—76011
Carey, T.A. *see* Nadasen, A. 9—67650
Carey, W.M. The acoustic background noise of a liquid metal fast breeder reactor 9—81622
Carey, W.M. *see* Claytor, T.N. 9—93782
Carey, W.M. *see* Koopman, R.N. 9—93778
Carfora, M. The Ehlers-Rindler problem in cylindrical symmetry 9—63094
Carfora, M. The Ehlers-Rindler problem in cylindrical symmetry 9—92999
Cargill, G.S., III *see* Chi, G.C. 9—77932
Cargill, G.S., III *see* Mizoguchi, T. 9—87252
Carides, J.N. *see* Murphy, D.W. 9—92069, 9—92073, 9—100395
Carignan, C., Beaudet, G., Sirois, A. Dirac's cosmology: solar models to test two hypotheses of matter creation 9—71163
Carignan, G.R. *see* Spencer, N.W. 9—84555
Carillon, A. *see* Guennou, H. 9—59384
Carithers, W.C. *see* Abrams, G.S. 9—89149, 9—89174
Carithers, W.C. *see* Carroll, A.S. 9—63511
Carius, W., Lindner, H., Palm, K., Schroter, O. Resolution of the Q-branch of the vibration rotation Raman spectrum of gaseous oxygen in direct recording 9—85967
Carius, W., Palm, K., Schroter, O. Spectral analysis of low-intensity emissions using the JENA-made GDM 1000 grating double monochromator 9—80701
Carjan, N., Delagrange, H., Fleury, A. Excitation energy dependence of the level density for fissionable nuclei 9—67662
Carkner, P.M. *see* Haendler, H.M. 9—86750
Carl, S., Scheerschmidt, K. Approximate method for the integral representation of diffraction intensities for crystal sections 9—50960
Carl, S. *see* Scheerschmidt, K. 9—50959
Carle, P. *see* Fogelberg, B. 9—75851
Carleer, M. *see* Gagne, J.M. 9—59402
Carless, R. Thermoplastic film for holographic display and recording 9—50263
Carleton, M. *see* Crampton, D. 9—80327
Carleton, N. *see* Glass, I.S. 9—58346
Carleton, N.P. *see* Traub, W.A. 9—53750
Carley, A.F., Rassias, S., Roberts, M.W., Wang Tang-Han Chemisorption of nitric oxide by nickel 9—77922
Carley, A.F. *see* Salje, E. 9—91564
Carley, J.S. *see* Aziz, R.A. 9—68291
Carli, G., Zoschak, R.J. Heat pipe central solar receiver gas turbine plant 9—52910
Carlier, J., Botter, R. Photoelectron spectra of ethylene and of the six deuterated derivatives 9—76467
Carlile, C.J. *see* Anderson, I.S. 9—60551
Carlile, R.N., Cavalli, A., Cramer, W.L., Hyde, R.M., Jr., Seidler, W.A. Absorption of energy from a large amplitude electromagnetic pulse by a collisionless plasma 9—90412
Carlin, R.L. *see* Filho, A.P. 9—73694
Carlin, R.L. *see* van Duyneveldt, A.J. 9—86726
Carling, R.W., Radosevich, L.G. Specific heat variations in oil energy storage media and their economic implications 9—100540
Carling, R.W., Westrum, E.F., Jr. Thermophysics of alkali and related azides. II. Heat capacities of potassium, rubidium, cesium, and thallium azides from 5 to 350K 9—55901
Carlini, C. *see* Ciardelli, F. 9—55014
Carlini, R. *see* Dam, S.H. 9—85536
Carlisle, S.T. The Cool Water coal gasification program 9—100480
Carlitz, R.D., Creamer, D.B. Light quarks and instantons 9—63332
Carlitz, R.D., Creamer, D.B. Instanton induced interactions 9—71698
Carlon, H.R. Practical upper limits of the optical extinction coefficients of aerosols 9—72486
Carlon, H.R. Infrared absorption coefficients (3-15 μm) for sulfur hexafluoride (SF_6) and Freon (CCl_2F_2) 9—76422
Carloni, F., Marseguerra, M. Rigorous expression for the joint factorial moments of the neutron and count bivariate distribution in an infinite homogeneous multiplying system. I. Single initial neutron 9—59120
Carloni, F., Marseguerra, M. Rigorous expression for the joint factorial moments of the neutron and count bivariate distribution in an infinite homogeneous multiplying system. II. Time dependent neutron source 9—76062
Carloni, F., Marseguerra, M. An interpretation of the quadratic approximation in zero power reactor noise analysis 9—76082
Carloni, F., Marseguerra, M. Influence of the quadratic approximation on the moments of the neutron and count distributions in a multiplying system 9—89343

Carlos, W.E., Derry, G., Frankl, D.R. Band-structure effects in selective adsorption of ^4He on LiF 9—73402

Carlsen, V. *see* Jensen, K.O. 9—70503

Carlsen, W.F. *see* Thomas, D.D. 9—92151

Carlson, D.D. *see* Asselin, S.V. 9—85646

Carlson, D.E., Magee, C.W., Triano, A.R. The effect of hydrogen content on the photovoltaic properties of amorphous silicon 9—99577

Carlson, D.E., Thornton, J. Serum-mediated differences in depth-related cell inactivation with ^{60}Co gamma rays 9—96629

Carlson, D.E. *see* Balberg, I. 9—73592

Carlson, F.P. *see* Francois, R.E., Jr. 9—94164

Carlson, G.A., Condit, W.C., Devoto, R.S., Neef, W.S. The field reversed mirror reactor 9—71973

Carlson, G.A., Moir, R.W. Mirror fusion reactors 9—49857

Carlson, G.A. *see* Moir, R.W. 9—71972

Carlson, G.A. *see* Plein, H.G. 9—85612

Carlson, H.C., Jr. *see* Mayr, H.G. 9—84556

Carlson, J. *see* Kerridge, J.F. 9—58303

Carlson, J.B. *see* Mann, L.G. 9—54378

Carlson, L.W., Lane, N.F. Atomic excitations in He^+ and H^+ reflection from a metal surface 9—87541

Carlson, N.W., Kowalski, F.V., Teets, R.E., Schawlow, A.L. Identification of excited states in Na_2 by two-step polarization labeling 9—76472

Carlson, O.N., Chiotti, P. Conversion of $(Th,U)O_2$ fuel to $(Th,U)C_2$ for reprocessing 9—54579

Carlson, O.N. *see* Greiner, J.D. 9—90712

Carlson, O.N. *see* Heffner, R.H. 9—56686

Carlson, O.N. *see* Weins, W.N. 9—90828

Carlson, P.J., Kiesler, R. A large yield threshold Cerenkov counter 9—68149

Carlson, P.T., Padgett, R.A., Jr. The concentration dependence of Cd diffusivity enhancement in dilute Pb-Cd alloys 9—73348

Carlson, R., Kanamori, H., McNally, K. A survey of microearthquake activity along the San Andreas fault from Carrizo Plains to Lake Hughes 9—92493

Carlson, R.D. *see* France, D.M. 9—81006

Carlson, R.F. *see* Abegg, R. 9—80934

Carlson, R.V. *see* Overton, W.C., Jr. 9—56480

Carlson, T.A., Copley, J., Duric, N., Erman, P., Larsson, M. Time resolved studies of collisional transfer and radiative decay of the CS A $^1\Pi$ state 9—89809

Carlson, W.G. *see* Santhanam, A.T. 9—55750

Carlsson, J.-O. A closed CVD system for the preparation of boron fibres 9—83129

Carlsson, J.-O., Lundstrom, T. Mechanical properties and surface defects of boron fibres prepared in a closed CVD system 9—52311

Carlsson-Ejdeback, J. *see* Bjuro, T. 9—70692

Carlsten, J.L. *see* Raymer, M.G. 9—81486

Carlston, C.E. *see* Jones, K.L. 9—80265

Carlston, C.E. *see* Pollack, J.B. 9—84717

Carlton, W.H. *see* Young, R.G. 9—92395

Carman, T.W., Dyer, P.E. Continuous tuning characteristics of a small high pressure UV preionised CO_2 laser 9—59722

Carmel, Y. *see* Segalov, Z. 9—89840

Carmeli, B., Nitzan, A. Kinetic equations for collisionless multiphoton excitation of large molecules 9—54914

Carmeli, M. Can SU_2 gauge theory be constructed with field equations that are not Yang-Mills equations? 9—93307

Carmeli, M. Classification of Yang-Mills fields 9—97495

Carmeli, M., Fischler, M. Classification of SU(2) gauge fields: Lorentz-invariant versus gauge-invariant schemes 9—85228

Carmeli, M., Wohl, D.H. Chern classes, Pontrjagin forms and classification of gauge fields 9—67461

Carmichael, C.M. *see* Monster, J. 9—92537

Carmichael, C.M. *see* Storetvedt, K.M. 9—92481

Carmichael, H.J. *see* Agrawal, G.P. 9—76653

Carmichael, H.J. *see* Walls, D.F. 9—80559

Carmichael, I.C., Sheng, S.J., Hug, G.L., Hudson, B., Andrews, J. Comment on 'Environmental effects on radiative rate constants with applications to linear polyenes' [and reply] 9—72348

Carmo, L.C.S.Do *see* Do Carmo, L.C.S.

Carmo A. Santos M. do *see* M. do Carmo A. Santos

Carmon, B. The use of Cerenkov radiation for the assay of radiostrontium in aqueous solutions 9—87895

Carmon De Teresa, M.Del *see* Del Carmon De Teresa, M.

Carmona, F. *see* Burland, D.M. 9—76764

Carmona, R. *see* Gottdiener, L. 9—68296

Carmony, D.D. *see* Barish, S.J. 9—71742

Carnall, W.T., Hessler, J.P., Wagner, F., Jr. Transition probabilities in the absorption and fluorescence spectra of lanthanides in molten lithium nitrate-potassium nitrate eutectic 9—50085

Carnegie, D.W., Jr., Claus, H. Ferromagnetic and spin glass transition in Ni-Cu 9—78369

Carneiro, G.I. *see* Laura, P.A.A. 9—86373

Carneiro, G.M. Roton lifetime effects on the thermodynamic properties of He II 9—55957

Carneiro, G.M. Roton-roton interactions and the thermodynamic properties of He II 9—60571

Carneiro, K., Jacobsen, C.S., Williams, J.M. Electrical conductivities of cation deficient analogues of KCP: $M_{1.75}[Pt(CN)_4] \cdot 1.5H_2O$, M=K, Rb 9—99538

Carneiro, K., Petersen, A.S., Underhill, A.E., Wood, D.J., Watkins, D.M., Mackenzie, G.A. Physical properties of $(NH_4)_2[Pt(CN)_4]Cl_{0.42} \cdot 3H_2O$: a new quasi-one-dimensional conductor 9—95393

Carnes, H.A. *see* Basch, E.E. 9—81528

Carnesecchi, G. *see* Armenise, N. 9—67536, 9—93397

Carnessecchi, G. *see* Armenise, N. 9—93398

Carnet, B. *see* Le Meur, R. 9—97857

Carnevale, M. *see* Bertolotti, M. 9—100947

Carney, B.W. The main sequence of the globular cluster NGC 6752 9—71079

Carney, B.W., Aaronson, M. Subdwarf bolometric corrections 9—75205

Carney, B.W. *see* Peterson, R.C. 9—92760

Carney, G.D. Comparison of experimental and ab initio line strengths for H_2O and HDO 9—72300

Carney, G.D. A new interpretation of Petty and Moran's ion-impact Ne-H_3^+ experiment 9—94063

Carney, J. *see* Hirst, E. 9—79387

Carniglia, C.K. Scalar scattering theory for multilayer optical coatings 9—59637

Carnihan, J.P. *see* Coppi, B. *(editor)* 9—98963

Carnihan, J.P. *see* Stringer, T. *(editor)* 9—98869

Carnochan, D.J. *see* Morgan, D.H. 9—71125

Carnota, C.Gomez-Reino *see* Gomez-Reino Carnota, C.

Carnovale, F., Livett, M.K., Peel, J.B. A photoelectron spectroscopic study of the formic acid dimer 9—86005

Carnoy, M. *see* Ravier, J. 9—97878

Caro, P., Derouet, J., Beaury, L., Soulie, E. Interpretation of the optical absorption spectrum and of the paramagnetic susceptibility of neodymium A-type sesquioxide 9—56811

Carolan, J.F. *see* Dee, R.H. 9—56375

Carolei, G. Energy: the only possible options 9—66397

Caroli, B. *see* Abraham-Ibrahim, S. 9—95900

Caroli, C. *see* Abraham-Ibrahim, S. 9—95900

Caroli, S., Milazzo, G., Benincasa, M., Alvarez-Herrero, C. Spectral atlas of a hollow cathode. I. Fe spectra 9—72263

Caroli, S., Milazzo, G., Benincasa, M., Alvarez-Herrero, C. Hollow-cathode emission spectral tables of Cu 9—72264

Caroline, D. *see* Jones, G. 9—77480

Caroumbalis, D. *see* Baltay, C. 9—75770

Carozzi-Meyssonnier, N. Rotation and mass of NGC 2776 9—101199

Carpenter, B. *see* Baribaud, G. 9—72209

Carpenter, D.L. *see* Taniguchi, S. 9—74286

Carpenter, G.A. Bursting phenomena in excitable membranes 9—66455

Carpenter, G.A. A mathematical analysis of excitable membrane phenomena 9—74635

Carpenter, G.A., Knapp, V.R. An analysis of the mammalian ventricular action potential 9—62227

Carpenter, G.J.C. *see* Schulson, E.M. 9—65123

Carpenter, J.H., Whiffen, D.H. A simplification in the use of third-order perturbation theory in molecular spectroscopy 9—98064

Carpenter, K.H. *see* Lazar, N.H. 9—55559

Carpenter, P.S. *see* Taulbee, D.B. 9—50776

Carpenter, R.E. *see* Neubert, M.E. 9—94887

Carpenter, R.E. *see* Rasey, J.S. 9—62308

Carpenter, R.L. Multipoint closed circuit interactive television as a response mode to the need for inservice training in special education 9—48981

Carpenter, R.L., Barr, F.P., Leydig, R.L., Rajala, R.E. Microprocessor-controlled inhalation system for repeated exposure of animals to aerosols 9—70726

Carpenter, R.W., Bauer, G.S. Electron-optical investigation of hydrogen-induced deformation in nickel single-crystal foils 9—57059

Carpenter, S.G. *see* Beck, C.L. 9—67834

Carpenter, S.G. *see* Collins, P.J. 9—81035

Carpenter, S.G. *see* Lineberry, M.J. 9—59122

Carpenter, S.G. *see* Raju, M.R. 9—62301

Carpetis, C., Peschka, W. Hydrogen storage by use of cryoadsorbents in comparison to alternatives 9—74548

Carquillat, J.-M., Nadal, R., Ginestet, N., Pedoussaut, A. HD 22403, a spectroscopic binary with Ca II emission lines 9—53854

Carr, C.D. *see* Bohne, B.A. 9—92229

Carr, D., Davidson, J.K., McMillan, M., Davison, M. Magnification renal arteriography 9—53209

Carr, D.B. *see* Silker, W.B. 9—92109

Carr, J. *see* Binnie, D.M. 9—54343

Carr, J. *see* Karami, H. 9—75789

Carr, K.E., Watt, C., Hamlet, R., Nias, A.H.W. Lack of correlation between villus and crypt damage in irradiated mouse intestine 9—62300

Carr, M.H. Formation of Martian flood features by release of water from confined aquifers 9—84722

Carr, M.H., Masursky, H., Strom, R.G., Terrile, R.J. Volcanic features of Io 9—92697

Carr, P.H., Jhunjhunwala, A., Veilleux, L.A., Vetelino, J.F., Field, J.C. New low loss high coupling mode up to 1 GHz on $LiNbO_3$ 9—51409

Carr, P.H. *see* O'Connell, R.M. 9—56055, 9—56735

Carr, P.W. *see* Schifreen, R.S. 9—92022

Carr, P.W. *see* Whiting, L.F. 9—74794

Carr, R., Vanos, J., Torrie, B.H. Raman spectra of polycrystalline $LiNO_2$ at temperatures between 18K and the metlting point with comparisons to the spectra of $NaNO_2$, KNO_2 and $CsNO_2$ at 18K 9—87425

Carr, T.L. Electricity options for the future (where 'soft' becomes hard) 9—87938

Carr, W.J., Jr. Invar and volume magnetostriction 9—56590

Carrano de Almeida, L.E. *see* Leal Ferreira, G.F. 9—95399

Carranza, E.L., Cox, R.T. ESR study on Fe^{3+} and Mn^{2+} ions on trigonal sites in ilmenite structure $MgTiO_3$ 9—91285

Carrara, P. *see* Lockwood, D.J. 9—99871

Carrard, M. *see* Prioul, C. 9—100204

Carraro, B. *see* Stuchly, S.S. 9—96647

Carrasco, L., Franco, J., Chavarria, C., De Lara, E., Sanchez, G. Thirteen-color photometry and analysis of the short period variability in Nova V1500 Cygni 1975 9—92788

Carrasco, L. *see* Firmani, C. 9—53812

Carrascosa, J.L., Steven, A.C. A procedure for evaluation of significant structural differences between related arrays of protein molecules 9—53040

Carraz, L.C., Ewan, G.T., Hagberg, E., Hardy, J.C., Jonson, B., Mattsson, S., Ravn, H.L., Tidemand-Petersson, P. A precise determination of the excitation energy of the lowest T=3/2 state in ^{35}Ar 9—85407

Carraz, L.C. *see* Azuma, R.E. 9—93550

Carre, D. *see* Avignant, D. 9—65187

Carre, D. *see* Dugue, J. 9—73139

Carreau, P.J., Kee, D.D. Review of some useful rheological equations 9—86391

Carreau, P.J. *see* De Kee, D. 9—90207

Carreira, L.A., Towns, T.G., Malloy, T.B., Jr. The low frequency Raman spectrum and barrier to planarity of 2-cyclohexene-1-one 9—54859

Carrelick, J.M. A mechanical analog to parallel flow stability as modeled by the Orr-Sommerfeld equation 9—81856

Carrell, R.D., Paine, D.R., Weingart, M.D., Culberson, O.L. Economic considerations for radioactive waste management systems 9—54575

Carreras, B., Hicks, H.R., Waddell, B.V. Tearing-mode activity for hollow current profiles 9—55498

Carreras, B. *see* Waddell, B.V. 9—64855

Carricaburu, P., Duhaze, P. Dynamic properties of the insect compound eye 9—53100

Carricaburu, P., Munoz-Cuevas, A. Electroretinogram (ERG) of epigeous and cave-dwelling harvest spiders 9—53093

Carrie, J. The European Economic Community's nuclear policy. II 9—89490

Carrieri, A.H. *see* Wiggins, T.A. 9—76749

Carrigan, C.R. Instability of a two-layer baroclinic flow in a channel 9—55420

Carrigan, C.R., Gubbins, D. The source of the Earth's magnetic field 9—74837

Carriker, J.W. *see* Moise, J.C. 9—53286

Carrington, A. Spectroscopy of molecular ion beams 9—89808

Carrington, A. *see* Brown, J.M. 9—76429

Carrington, R.L., Eichler, R.A., Hofstadter, R., Hughes, E.B., Rolfe, J., McPharlin, T.P., Bowman, J.D., Cooper, M.D., Hamm, M.E., Hoffman, C.M., Mischke, R.E., Nagle, D.E., Sarracino, J.S., Thompson, P.A., Anderson, H.L., Kinnison, W.W., Matis, H.S., Wright, S.C. On the detection of 50 MeV γ-rays with a large modularized NaI(Tl) detector 9—76257

Carrington, T. Detection of spurious avoided crossings of potential energy curves 9—68286

Carrol, B. *see* Ropp, R.C. 9—99595

Carroll, A., Kogut, J.B. Improved strong-coupling expansions and matrix Pade approximants for lattice theories 9—71628

Carroll, A.F. *see* Burton, L.C. 9—74526

Carroll, A.S., Chiang, I.-H., Kycia, T.F., Li, K.K., Littenberg, L., Mazur, P.O., de Brion, J.P., Carithers, W.C. Study of low-mass pp pairs 9—63511

Carroll, A.S. *see* Allinger, J. 9—76203

Carroll, D.P. *see* Silverstone, H.J. 9—85886

Carroll, J.B. *see* Igo, G. 9—80916

Carroll, J.T. *see* Cuatis, C.V. 9—89193

Carroll, L.J. *see* Albrow, M.G. 9—75805

Carroll, L.J. *see* Armstrong, T.A. 9—85344

Carroll, L.J. *see* Bussey, P.J. 9—75778, 9—80829

Carroll, L.R. *see* Hendry, G.O. 9—54690

Carroll, M.M. Reflection and transmission of circularly polarized waves in nonlinear dielectrics 9—72616

Carroll, M.M. *see* Curran, J.H. 9—69182
Carron, G. *see* Bell, M. 9—93413
Carruthers, J.R. A weighting scheme for least-squares structure refinement 9—73067
Carruthers, J.R., Watkin, D.J. A method for rapidly relocating misplaced molecules 9—99021
Carruthers, J.R. *see* Martin, E.P. 9—61511
Carruthers, T.G. *see* De Almeida, M. 9—99336
Carry, C., Dermarkar, S., Strudel, J.L., Wonsiewicz, B.C. Internal stresses due to dislocation walls around second phase particles 9—99210
Carson, J. *see* Clark, G. 9—96641
Carstens, D.H.W. Use of binary alloys of the lanthanides for tritium recovery 9—67946
Carstensen, K. *see* Jokisch, H. 9—53689
Carswell, A.I. *see* Ryan, J.S. 9—53513
Carswell, R.F. *see* Sargent, W.L.W. 9—62925
Carswell, R.F. *see* Walsh, D. 9—67114
Carswell, R.F. *see* Young, P.J. 9—53928
Carter, A.C. *see* Richards, T.W.D. 9—80395
Carter, A.N. Pliocene eustasy and the onset of sand barrier formation in Gippsland, Victoria 9—74886
Carter, B. Theory of black holes with accretion disks 9—97024
Carter, B., McLenaghan, R.G. Generalized total angular momentum operator for the Dirac equation in curved space-time 9—49128
Carter, C.B. The extension of jogs on dissociated dislocations in FCC metals 9—95017
Carter, C.B., Donald, A.M., Sass, S.L. Diffraction effects and images from inclined grain boundaries in polycrystalline thin foils 9—82241
Carter, C.R. *see* Man, J. 9—94408
Carter, D., Godwin, J.G. Photometry of the cluster of galaxies A 1146 9—67105
Carter, G., Nobes, M.J., Arshak, K.I. The application of erosion slowness theory to prediction of surface contour generation during particulate ablation of solids 9—87740
Carter, G., Webb, R. The accumulation of amorphousness as a function of irradiation fluence in a composite model of disorder production 9—51169
Carter, G., Webb, R., Collins, R., Thompson, D.A. The influence of incident flux dependent radiation enhanced diffusion on composition changes of sputtered binary solids 9—52067
Carter, G. *see* Christophorou, L.G. 9—76279
Carter, G. *see* Kiriakidis, G. 9—74038
Carter, G. *see* Lewis, G.W. 9—51171
Carter, G. *see* Titov, A.I. 9—73227
Carter, G.M., Haus, H.A. Optical single sideband generation at 10.6 μm 9—55179
Carter, G.M., Marcus, S. A high-power CO_2 waveguide laser 9—98380
Carter, G.M. *see* Marcus, S. 9—98416
Carter, H.K. *see* Toth, K.S. 9—67721, 9—89241
Carter, J. *see* Riehm, P.F. 9—89420
Carter, J.G. *see* Siomos, K. 9—68899
Carter, J.R. *see* Pratap, M. 9—63512
Carter, J.R. *see* Ward, C.P. 9—75803
Carter, K.N., Huff, R.B. Second derivative curves and end-point determination [teaching] 9—84909
Carter, M. *see* Busby, T.S. 9—83343
Carter, M.R., Druce, O.J., Wake, G.C. Phase-plane analysis of criticality for thermal explosions with reactant consumption 9—86530
Carter, M.W. Nuclear testing 1975-1978 9—67958
Carter, M.W. *see* Moghissi, A.A. 9—57727
Carter, M.W. *see* Moghissi, A.A. *(editor)* 9—54568
Carter, P. A internal variable approach to elastic-plastic fracture mechanics 9—68651
Carter, P., Martin, J.B. The derivation of the static rate theorems of plasticity from an internal variable model 9—64531
Carter, R.D. Concrete and criticality 9—63788
Carter, R.D. Subcritical limits of boron-poisoned ^{235}U-H_2O solutions 9—85723
Carter, R.E. *see* Kaplan, J.I. 9—93194
Carter, R.O., Natter, W.J., Durig, J.R. Infrared and Raman spectra, vibrational assignment, and the asymmetric potential function for methylphosphinosilane 9—85962
Carter, S., Mills, I.M., Murrell, J.N. Potential energy functions for ground state surfaces of HCO and HNO 9—89620
Carter, S. *see* Murrell, J.N. 9—68203, 9—76479
Carter, S.L., Kelly, H.P. Calculation of parity-nonconserving optical rotation in atomic bismuth 9—63968
Carter, S.R., Evensen, N.M., Hamilton, P.J., O'Nions, R.K. Neodymium and strontium isotope evidence for crustal contamination of continental volcanics 9—66693
Carter, S.R., Evensen, N.M., Hamilton, P.J., O'Nions, R.K. Basalt magma sources during the opening of the North Atlantic 9—100821
Carter, T.J. Power-ramped Zircaloy/UO_2 fuel-pellet design and cladding strains 9—67948
Carter, T.J. Experimental investigation of various pellet geometries to reduce strains in zirconium alloy cladding 9—81008
Carter, W.E., Strange, W.E. The National Geodetic Survey Project 'POLARIS' 9—79721
Cartier, C. *see* Dey, S.K. 9—92077
Cartier, M., Cros, G. Tribology and performances (concluded) 9—57189
Cartoceti, A. *see* Cavallotti, P. 9—70151
Carton, J.-P. *see* Andre, G. 9—61023
Carton, P.M. *see* Fessender, R.W. 9—74467
Cartraud, M., Guillot, J., Mimault, J., Grilhe, J. Hardening observed in an Al-Zn 6.8 at.% alloy during spinoidal decomposition 9—66035
Cartwright, A.G. *see* Riggins, R.S. 9—79578
Cartwright, B.G. *see* Tarle, G. 9—70937
Cartwright, D.C., Hay, P.J. Theoretical studies of the valence electronic states and the $^1\Pi_u$—$X^1\Sigma_g^+$ absorption spectrum of the F_2 molecule 9—63920
Cartwright, P. *see* Blietschau, J. 9—93396
Carty, T.F. A polarimetric study of eta Carinae and the Carina Nebula 9—67043
Cartz, L., Srinivasa, S.R., Riedner, R.J. Effect of pressure on bonding in black phosphorus 9—99106
Caruso, K. *see* Sola, A. 9—85710
Caruso, P.M., Pearce, J.A., DeWitt, D.P. Temperature and current density distributions at electrosurgical dispersive electrode sites 9—92424
Caruthers, G.F., Gritz, R.W. Radioiodine behavior during a steam generator tube rupture accident 9—59230
Carvalho, C.A.de *see* de Carvalho, C.A.
Carvalho, J.C., Ter Haar, D. The diffusion model of cosmic-ray propagation. I. The source spectrum of the galactic cosmic-ray electrons 9—53677
Carvalho, J.C., Ter Haar, D. The diffusion model of cosmic-ray propagation. II. The nuclear component 9—53678
Carvalho, J.C., Ter Haar, D. The diffusion model of cosmic-ray propagation. III. The electron component 9—53679
Carvalho, W.C.J. Vacuum pump fluids 9—75540
Carver, G.E., Seraphin, B.O. Chemical-vapor-deposited molybdenum films of high infrared reflectance 9—52119
Carver, G.P., Houston, B., Burke, J.R., Heinrich, H., Lopez-Otero, A. Dependence of the amplitude of transverse magnetoresistance oscillations in n-PbTe on film thickness 9—65567
Carver, J.H. *see* Lewis, B.R. 9—98120
Carver, M.B. FORSIM VI: a program package for the automated solution of arbitrarily defined differential equations 9—63007
Cary, J.R., Hammer, J.H. Interpretation of the ponderomotive potential for a magnetized particle in a low-frequency wave 9—64859
Cary, J.R. *see* Kaufman, A.N. 9—60131
Cary, J.W., Campbell, G.S., Papendick, R.I. Is the soil frozen or not? An algorithm using weather records 9—88379
Cary, P.W., Clarke, G.K.C., Peltier, W.R. A creep instability analysis of the Antarctic and Greenland ice sheets 9—84304
Carydis, P. *see* Delibasis, N. 9—84114
Casadei, A.L., Turinsky, P.J. An improved water density feedback model for pressurized water reactors 9—67890
Casadesus, P., Frantz, C., Gantois, M. Structure study of boride films produced by ion bombardment 9—73413
Casado, J., Peleteiro, J., Rios, M.A. Electronic transitions in 1,4-naphthoquinone derivatives 9—49948
Casal, G., Console, R., De Simoni, B. Calculation method of magnitude of earthquakes recorded by seismographs used at the beginning of this century 9—84118
Casalboni, M., Crisanti, F., Grassano, U.M., Manfroncelli, C., Scacco, A., Tanga, A. Luminescence of KBr:In^+ 9—78745
Casalboni, M., Grassano, U.M., Tanga, A. Two-photon absorption of color centers in NaF 9—73991
Casalbuoni, R. Colored quarks and octonions 9—58937
Casalbuoni, R. *see* Barducci, A. 9—63078
Casali, R. *see* Angelini, C. 9—67548
Casalini, P. *see* Avanzini, P.G. 9—97793
Casalini, P. *see* Bragagnoli, F. 9—97782
Casalta, L. *see* Dupin, J.J. 9—56041
Casamajor, A.B. *see* Clark, A.F. 9—62077
Casanova, C., Casanova, J. Application of the Theory of Cluster Expansions to the study of level densities of systems of fermions 9—88868
Casanova, J. *see* Casanova, C. 9—88868
Casanovas, J., Grob, R., Grelot, D., Blanc, D., Mathieu, J. Electron mobilities and rate constants for electron-solute reactions in some non polar liquids 9—91112
Casapieri, P., Fox, T.M., Owers, P., Thomson, G.D. A mathematical deterministic river-quality model. II. Use in evaluating the water-quality management of the Blackwater Catchment 9—66732
Casarelli, G.C. The development of fast reactors and high temperature reactors 9—63721
Casarelli, G.C. Services and development of fuel schemes for LWRs 9—63784
Casartelli, M. Stochastic transitions and statistical features of one-dimensional chains 9—67233
Casartelli, M. *see* Benettin, G. 9—54056
Casasent, D. Coherent optical pattern recognition 9—64182
Casasent, D. Performance evaluation of spatial light modulators 9—89989
Casasent, D., Kumar, V.B.V.K., Tullia, T. A coherent optical signal processor for passive ambiguity function generation 9—72520
Casasent, D., Psaltis, D. Deformation invariant, space-variant optical pattern recognition 9—76619
Casasent, D., Vijaya Kumar, B.V.K. Optical image plane correlator for ambiguity surface computation 9—76598
Casasent, D. *see* Furman, A. 9—50230
Casasent, D. *see* Luu, T.K. 9—50232
Casasent, D. *see* Psaltis, D. 9—72517, 9—76602
Casati, G. Aharonov-Bohm effect from the 'hydrodynamical' viewpoint 9—71288
Casati, G. On the lattice thermal conduction in a harmonic system 9—93064
Casavecchia, P. *see* Becker, C.H. 9—68288, 9—81255
Caschetto, S., Wollast, R. Dissolved aluminium in interstitital waters of recent marine sediments 9—92524
Cascio, L.Lo *see* Lo Cascio, L.
Case, K.M. Meromorphic solutions of the Benjamin-Ono equation 9—62998
Case, K.M. Properties of the Benjamin-Ono equation 9—63050
Case, K.M. The N-soliton solution of the Benjamin-Ono equation 9—92929
Case, R.O., Holly, J.N. Photoelastic-coating analysis of a thermoplastic, rectangular-parallelepiped pressure vessel 9—59950
Case, S.K. Pattern recognition with wavelength-multiplexed filters 9—76603
Case, S.K. Fourier processing in the object plane 9—94172
Case, S.K. *see* Bartelt, H.O. 9—81391
Case, T.A. *see* Stokes, H.T. 9—65751
Case, W.E., Chivian, J.S., Reynolds, R.W. Sensitivity of CW and pulsed laser-pumped Pr infrared quantum counters 9—93219
Case, W.E. *see* Chivian, J.S. 9—97431
Case, W.E. *see* Krasutsky, N.J. 9—81541
Casey, H.C., Jr., Cho, A.Y., Foy, P.W. Reduction of surface recombination current in GaAs p-n junctions 9—69585
Casey, H.C., Jr., Cho, A.Y., Lang, D.V., Nicollian, E.H., Foy, P.W. Investigation of heterojunctions for MIS devices with oxygen-doped $Al_xGa_{1-x}As$ on n-type GaAs 9—87157
Casey, J. The practicalities of magnetic stripe [cinematography] 9—85188
Casey, M., Siddans, A.W.B., Whalley, J.S., Rutter, E.H., Schmid, S.M. Texture development in experimentally deformed calcite rocks 9—83230
Cash, W., Charles, P., Bowyer, S., Walter, F., Ayres, T.R., Linsky, J.L. Discovery of X-rays from the 40 Eridani system 9—97035
Cash, W., Snow, T.P., Jr., Charles, P. X-ray emission from an Ap star (ϕ Herculis) and a late B star (π Ceti) 9—101160
Cashdollar, K.L. Three-wavelength pyrometer for measuring flame temperatures 9—93141
Cashdollar, K.L., Lee, C.K., Singer, J.M. Three-wavelength light transmission technique to measure smoke particle size and concentratoin 9—79438
Casher, A. Self-dual Z(N) gauge theories 9—49375
Casher, A. Chiral symmetry breaking in quark confining theories 9—63423
Casher, A., Neuberger, H., Nussinov, S. Chromoelectric-flux-tube model of particle production 9—89176
Casher, A. *see* Aharonov, Y. 9—80778
Cashion, J.D. *see* Barton, W.A. 9—91004
Cashmore, R. *see* Albrow, M. 9—97605
Cashmore, R.J. *see* Brandelik, R. 9—63491, 9—93441
Cashwell, E.D. *see* Booth, T.E. 9—59109, 9—80548
Casini, C. *see* Barbieri, C. 9—101201
Casini, G. Conceptual design studies of experimental and demonstration fusion reactors 9—71964
Caskey, G.R., Jr. Acoustic emission from hydrogen saturated type 304L stainless steel 9—100257
Caslavsky, J.L., Viechnicki, D. Melt growth of Nd:$Y_3Al_5O_{12}$ (Nd:YAG) using the heat exchange method (HEM) 9—52106
Casley-Smith, J.R., Davy, P. The estimation of distances between parallel membranes on thick sections 9—70718
Casnedi, R., Desio, A., Forcella, F., Nicoletti, M., Petrucciani, C. Absolute age of some granitoid rocks between Hindu Raj and Gilgit River (Western Karakorum) 9—100818
Cason, N.M. *see* Biswas, N.N. 9—63556
Cason, N.M. *see* Polychronakos, V.A. 9—49539
Casper, K.J. *see* Wood, G.T. 9—58479
Caspers, L.M., Van Veen, A., Ypma, M.R., Fastenau, R. Interaction of helium with small self-interstitial platelets in α-Fe 9—60399
Caspers, L.M. *see* van der Kolk, G.J. 9—99235
Caspers, L.M. *see* Van Heugten, W.F.W.M. 9—65081, 9—99409
Caspers, L.M. *see* van Veen, A. 9—82261

Caspers, W.J. *see* van de Braak, H.P. 9—78293
Caspers, W.J. *see* Willemse, M.W.M. 9—99521
Caspersen, J.M. *see* Halliday, J.W. 9—52699
Casperson, L. *see* Yeh, C. 9—64312
Casperson, L.E., Garfield, T.S. Guided beams in concave metallic waveguides 9—81533
Casperson, L.W. *see* Cheng, K.T.-L. 9—81442
Casperson, L.W. *see* Munch, J. 9—50331
Caspi, S., Lee, J.Y., Kim, Y.I., Frederking, T.H.K. Cryostatic influence of formvar coatings on sizing of the stabilizer in composite NbTi-Cu superconductors 9—61633
Cass, A., McKellar, B.H.J. The πNN vertex function and off shell πN scattering 9—85333
Cassagnou, Y. *see* Legrain, R. 9—85499
Cassanas, G. *see* Lahet, C. 9—68218
Cassanova, R.A., Giddens, D.P. Disorder distal to modeled stenoses in steady and pulsatile flow 9—57688
Cassatella, A., Benvenuti, P., Clavel, J., Heck, A., Penston, M., Selvelli, P.L., Macchetto, F. On the ultraviolet spectrum of Nova Cygni 1978 9—62837
Cassatella, A. *see* Viotti, R. 9—71051
Casse, M., Kunth, D., Scalo, J.M. A constraint on the influence of density waves on the rate of the star formation 9—88743
Casseday, M.W. *see* Berg, N.J. 9—55079, 9—72515, 9—94328
Cassel, B. Precise temperature programming 9—54127
Cassel, B., Brennan, W.P., Fyans, R.L. Energy conservation 9—54128
Cassel, D.G. *see* Gibbard, B.G. 9—71756
Cassel, R.B. *see* Brennan, W.P. 9—75531
Cassell, D.S. *see* Hiestand, J.W. 9—49653
Cassell, K.J. *see* Parker, R.P. 9—83943
Cassen, P., Reynolds, T., Graziani, F., Summers, A., McNellis, J., Blalock, L. Convection and lunar thermal history 9—84690
Cassen, P. *see* Schubert, G. 9—66939
Cassen, P.M. *see* Reynolds, R.T. 9—62770
Casset, J. Optical constants of absorbing materials by transmission interferometry on medium-thickness films 9—78768
Casset, J. Optical constants of absorbing materials by transmission interferometry on films of medium thickness 9—78778
Cassettari, M. *see* Bertolini, D. 9—65791
Cassiday, G.L., Bergeson, H.E., Loh, E.C., Elbert, J.W., Steck, D. Report on the Utah Fly's Eye 9—63864
Cassidy, C., Halbout, J.M., Donaldson, W., Tang, C.L. Nonlinear optical properties of urea 9—59759
Cassidy, J. *see* Hutchings, J.B. 9—84795
Cassidy, J.J., Henry, W.P. What the design engineer needs from the hydrometeorologist 9—70819
Cassim, J.Y. *see* Muccio, D.D. 9—83708
Cassing, W., Friedrich, H. On the quantum mechanical description of scattering by a dissipative and diffusive scattering centre 9—75410
Cassou, R. *see* Kraft, L.M. 9—66489
Cassuto, A. *see* Alnot, M. 9—69344
Cassuto, A. *see* Jupille, J. 9—78823
Castagne, J.L. *see* Lemble, Ph. 9—87722
Castaing, B., Libchaber, A. Roton second sound and the roton-roton interaction potential 9—51328
Castaing, R. *see* Blaise, G. 9—61924
Castaldi, J. *see* Michel, R. 9—83383
Castaldini, A. *see* Gondi, P. 9—82612
Castaner, L., Cabestany, J. Analysis of the accuracy of the electrical characterisation methods of large area silicon solar cells 9—96454
Castanet, R., Bergman, C. Calorimetric investigation of the liquid alloys of Ag+Te and of the Ag_2Te solid compounds at high temperature 9—61893
Castano, E., Duckstein, L., Bogardi, I. Choice of distribution functions for hydrologic design 9—53392
Castano, F. Excitonic parameters from split absorption bands of organic molecules 9—59437
Castano, F., Fluendy, M.A.D., Lawley, K.P., Sholeen, C., Sutton, D. Electronic excitation in potassium alkyl iodide collisions 9—86049
Casteel, C.M. *see* Gavenda, J.D. 9—73429
Castel, D. *see* Wick, G.L. 9—57354
Castelaz, P.F. *see* Niederjohn, R.J. 9—94420
Castellana, F.S. *see* Nahavandi, A.N. 9—93690
Castellani, C., Feinberg, D., Ranninger, J. Electronic and magnetic correlations in an itinerant system of coupled diamagnetic pairs of electrons 9—61033
Castellano, M., Cevenini, F., Patricelli, S., Vitale, S. A CAMAC system for high rate data acquisition 9—63197
Castellano, R.N., Feinstein, L.G. Ion beam deposition of thin films of ferroelectric lead zirconate titanate (PZT) 9—78881
Castellanos, A. *see* Panizo, M. 9—89824
Castellari, C. *see* Francesconi, R. 9—81835
Castelli, E. *see* Alberi, G. 9—63509
Castelli, E. *see* Barone, L.M. 9—80835
Castelli, G., Cicognani, G., Ghilardotti, G., Musso, B. Past and present role of fast breeder reactors in Italy 9—97895
Castelli, G., Ghilardotti, G., Musso, B., Pierantoni, F. Future plans for the design and construction of fast reactor power stations in Italy 9—97800
Castelli, V. *see* Sereny, A. 9—90197
Castellucci, E., Schettino, V. Angular dispersion of the internal phonon modes in ferroelectric sodium nitrite 9—51211
Castellucci, V.F., Carew, T.J., Kandel, E.R. Cellular analysis of long-term habituation of the gill-withdrawal reflex of Aplysia californica 9—83806
Casten, R.F., Smith, G.J. Test of the interacting-boson-approximation model for odd-mass nuclei 9—85369
Casten, R.F. *see* Cizewski, J.A. 9—75853
Casten, R.F. *see* Smith, G.J. 9—93515
Casti, R. *see* Serra, A. 9—62255
Castiglia, F., Oliveri, E., Vella, G. On the critical flow of two-phase one-component mixtures 9—71880
Castiglioni, M. *see* Acerbi, E. 9—54659, 9—54669
Castillejo, L., Kugler, M., Roskies, R.Z. Little-group classification of gauge fields 9—58879
Castle, R.O. *see* Vanicek, P. 9—80055
Castleman, A.W., Jr. *see* Keesee, R.G. 9—100909
Castleman, K.R., Selzer, R.H., Blankenhorn, D.H. Vessel edge detection in angiograms: an application of the Wiener filter 9—92357
Castner, D.G., Somorjai, G.A. LEED and thermal desorption studies of small molecules (H_2, O_2, CO, CO_2, NO, C_2H_4, C_2H_2 and C) chemisorbed on the stepped rhodium (755) and (331) surfaces 9—65318
Castor, J.I., Lamers, H.J.G.L.M. An atlas of theoretical P Cygni profiles 9—80297
Castor, J.I. *see* Adams, T.F. 9—75209
Castor, S.E. *see* Cheema, L.S. 9—62132
Castro, A.R.B.de *see* de Castro, A.R.B.
Castro, C. Fibre optic connection systems 9—68440
Castro, E.A. Calculation of total molecular energies from an approximate relation between SCF orbital energies and total SCF energies 9—59337
Castro, E.A., Fernandez, F.M., Croce, A. Domain and range of an operator 9—97149
Castro, E.R. *see* Singh, S.K. 9—88247
Castro, F.M. *see* Filho, J.B. 9—58992
Castro, F.M.O. *see* Filho, J.B. 9—58989, 9—63561
Castro, G., Dicke, R.H., Haarer, D. Magnetic and electric field addressing of photochemical hole burning memories 9—81371
Castro, I.P. Relaxing wakes behind surface-mounted obstacles in rough wall boundary layers 9—94625
Castro, M., Keller, J., Schenck, A. The isotope chemical shift of μ^+ in HBr 9—55005
Castro, M., Keller, J., Schilling, H. Lattice relaxation around positive muon in copper 9—56658
Castro, M. *see* Garritz, A. 9—85883
Castro, M.Jimenez de *see* Jimenez de Castro, M.
Castro-Faria, N.V.de *see* de Castro-Faria, N.V.
Casula, F., Ossicini, S., Selloni, A. Electronic structure of the (111) ideal and relaxed surface of silicon by the chemical pseudopotential method 9—60901
Caswell, B. Finite element method for fluids with memory 9—60016
Caswell, J.L. Supernova remnants resembling the Crab Nebula 9—53881
Caswell, J.L., Lerche, I. Galactic supernova remnants: radio evolution and population characteristics 9—75254
Caswell, J.L. *see* Lerche, I. 9—88718
Caswell, J.L. *see* Milne, D.K. 9—84841
Caswell, W.E., Lepage, G.P. $O(\alpha^2 \ln(\alpha^{-1}))$ corrections in positronium: Hyperfine splitting and decay rate 9—89812
Catalano, A. *see* Wyeth, N.C. 9—78131
Catalano, E., Barletta, R.E., Pearson, R.K. Infrared laser single photon absorption reaction chemistry in the solid state. I. The system SiH_4-UF_6 9—66308
Catalano, F., Mariani, M., Leali, P.T., Vitelli, R. On modelling of metacarpus-phalangeal joint movement 9—88112
Catalano, I.M., Cingolani, A. Absolute two-photon absorption line shape in ZnTe 9—65898
Catalano, I.M., Cingolani, A. Second harmonic generation in InSe 9—81489
Catalano, S. *see* Blanco, C. 9—58328, 9—92766
Catanese, C.A., Endriz, J.G. The multiplier-assisted discharge: a new type of cold cathode 9—55591
Catania, P.J. Solar energy activities in Western Canada 9—57381
Catania, P.J. *see* Yul Kwon, O. 9—57393
Catara, F., Lombardo, U. A selfconsistent description of ^{6}Li terms of four-body and two-body substructures 9—63611
Catchings, R.M. Thermally stimulated conductivity studies of trapping centers in alkali-borosilicate glasses 9—78113
Catchlove, R.F.H. *see* Chan, C.W.Y. 9—96545
Cate, J.L. *see* Wong, C.M. 9—81053
Catenacci, R. *see* Calvani, M. 9—49133
Cates, M. *see* Cindro, N. 9—67629
Cates, M.R. *see* Close, D.A. 9—85692
Cathcart, J.V., Perkins, R.A., Bates, J.B., Manley, L.C. Tritium diffusion in rutile (TiO_2) 9—86927
Cathcart, J.V. *see* Pawel, R.E. 9—66208
Catherine, Y., Turban, G. Reactive plasma deposited $Si_xC_yH_z$ films 9—95945
Catherine, Y. *see* Turban, G. 9—95944
Cathey, W.T. Effect of reference and illuminating sources size in holography 9—72531
Cathey, W.T., Smith, B.J. High concurrency data bus using arrays of optical emitters and detectors 9—76805
Cathles, L.M. *see* Fehn, U. 9—88340
Cathro, K. *see* Window, B. 9—79406
Caticha-Ellis, S. *see* Cardoso, L.P. 9—54241
Catier, E. Noise: how to measure and analyse it best so as to remedy it 9—81621
Catier, E. For the measurement of speeds: cinemometers, anemometers and tachymeters from the toothed wheel to the Hall detector and Doppler reflection optics 9—93105
Catlett, D.S. *see* Springer, R.W. 9—91590
Catlow, C.R.A. Radiation damage and photochromism in the alkaline earth fluorides 9—51148
Catlow, C.R.A. The energetics of ordering and formation of extended defect structures 9—95034
Catlow, C.R.A., Comins, J.D., Germano, F.A., Harley, R.T., Hayes, W. Effects of rare-earth dopants on the transition to the superionic state of fluorites 9—60547
Catlow, C.R.A., Corish, J., Jacobs, P.W.M. A calculation of the Frenkel defect formation energy in silver chloride 9—99179
Catlow, C.R.A., Mackrodt, W.C., Norgett, M.J., Stoneham, A.M. The basic atomic processes of corrosion. II. Defect structures and cation transport in transition-metal oxides 9—100277
Caton, R., Viswanathan, R. Normal state resistivity of single crystalline V_3Si as a function of neutron irradiation 9—56194
Catrinescu, M. *see* Muller, L.P. 9—73518
Cattaneo, U., Wreszinski, W. On contraction of Lie algebra representations 9—80767
Cattania, M.G., Simonetta, M., Tescari, M. Adsorption of acetylene and ethylene on Ni (111) at different temperatures studied by LEED and Auger spectroscopy 9—60636
Cattapan, G., Vanzani, V. Uniqueness of the N-body Lippmann-Schwinger-Glockle-Tobocman equations 9—54415
Cattapan, G., Vanzani, V. Singularity analysis of N-body scattering wave functions 9—71286
Cattapan, G., Vanzani, V. Derivation of an approximate three-body model of deuteron stripping from N-body scattering theory 9—75934
Cattell, C., Lysak, R., Torbett, R.B., Mozer, F.S. Observations of differences between regions of current flowing into and out of ionosphere 9—100999
Cattell, F.C.R., Scott, W.D. Copper in aerosol particles produced by the ocean 9—58050
Cattell, F.C.R. *see* Scott, W.D. 9—81708
Catterall, M. *see* Arnott, S.J. 9—54691
Catterall, R., Edwards, P.P., Slater, J., Symons, M.C.R. Ion-pairing and electron spin resonance spectra of solutions of alkali metals in polar solvents 9—78502
Catterall, R. *see* Edwards, P.P. 9—61201
Catterick, T. *see* Wall, C.D. 9—52855
Catti, M. Second-neighbours contribution to the repulsive energy of crystalline alkaline-earth oxides 9—51044
Catti, M. Pseudo-symmetry and hydrogen bonding in the crystal structure of $NaH_2PO_2.(4/5)H_2O$ 9—60315
Catto, C.J.D. *see* Cosslett, V.E. 9—97475
Catto, C.J.D. *see* Jefferson, D.A. 9—100829
Catto, P.J. Velocity Fourier transform solution of a model collision operator 9—94785
Catto, P.J., Rosenbluth, M.N., Tsang, K.T. Resistive drift-Alfven waves in sheared magnetic fields 9—77365
Catto, P.J. *see* Misguich, J.H. 9—90407
Catto, P.J. *see* Speziale, T. 9—64850
Cattolica, R., Talbot, L., Coe, D. Velocity slip of gas mixtures in free jet expansions 9—94656
Catton, I. *see* Cherng, J.C. 9—93785
Catton, I. *see* Chiou, H.H. 9—49741
Catton, I. *see* Dhir, V.K. 9—49668
Catton, I. *see* Gossett, B. 9—49739
Catton, I. *see* Taghavi-Tafreshi, K. 9—49669
Cattoni, A. *see* Bassetti, M. 9—68081, 9—72066
Catz, H. *see* Bauer, T.S. 9—54394
Catz, H. *see* Bertini, R. 9—63623, 9—85565
Catz, P. *see* Albrow, M.G. 9—75805
Cauchois, Y., Abdelaziz, B., Kherouf, R., Schloesing-Moller, C. Mean lives of nuclear levels determined by resonance scattering of bremsstrahlung 9—75905
Caudell, T.P., Smolka, F.M., Eisenstein, D.R., Eisenstein, B.L. Silicone rubber applied within the eye: a preliminary study 9—74788
Caudell, T.P. *see* Smolka, F.M. 9—85125
Caudrey, P.J. *see* Kitchenside, P.W. 9—75403, 9—82411
Caudron, L. *see* Aussourd, P. 9—66427
Caudron, R. *see* Abbe, D. 9—60521, 9—60522

Caughey, S.J., Wyngaard, J.C. The turbulence kinetic energy budget in convective conditions 9—79975

Caughey, S.J. *see* Asimakopoulos, D.N. 9—57999

Caughey, T.A. Collision-induced trasnfer rates connecting fine-structure levels in $S_2(B^3\Sigma_u^-, v'=4)$ 9—94062

Caulfield, H.J., Kyrger, D.L. The use of microdensitometers as a basis for highly accurate metrology 9—85195

Caulfield, H.J., Mueller, P.F. Increased numerical sensitivity for Fourier optical systems 9—76628

Caulfield, J.B. *see* Thompson, J.E. 9—70604

Caulfield, J.J. *see* Carbone, Q.J. 9—78876

Caulk, D.A. *see* Barone, M.R. 9—86325

Causey, A.R. *see* MacEwen, S.R. 9—59161

Cauvard, P., Hartemann, P., Bruneel, C., Haine, F. Ultrasound beam scanning driven by surface-acoustic-waves 9—55266

Cauvin, R., Martin, G. Radiation induced homogeneous precipitation in undersaturated solid-solutions 9—77638

Cauwenberghe, K.Van *see* Van Cauwenberghe, K.

Cava, R.J., Roth, R.S. Characterization of modulated structures in ABO_{4+x} phases 9—99148

Cavagna, M. *see* Muminovic, M. 9—92784

Cavaignac, J.F. Neutrino programme at ILL 9—67540

Cavalheiro, R., Shukla, M.M. Lattice dynamics of magnesium on extended de Launay model 9—51217

Cavali-Sforza, M. *see* Chestnut, R. 9—89531

Cavaliere, A., Danese, L., De Zotti, G. Cosmic distances from X-ray and microwave observations of clusters of galaxies 9—71134

Cavaliere, P., Leone, C. Inelastic scattering of electron by alkali atoms in an intense laser field 9—72427

Cavalleri, P. *see* Avanzini, P.G. 9—97793

Cavalli, A. *see* Carlile, R.N. 9—90412

Cavalli, D. *see* Armenise, N. 9—67533, 9—67536, 9—93397

Cavallini, A. *see* Gondi, P. 9—82612

Cavallini, D. *see* Ricci, G. 9—96617

Cavallo, G. *see* Horstman, H.M. 9—67108

Cavallotti, P. An improvement of the quasi-chemical approximation for 2D lattice gas models 9—69356

Cavallotti, P., Roberti, R., Cartoceti, A., Scansetti, F. Mechanical properties of barium hexaferrites 9—70151

Cavanagh, A.K. Discussion of 'Schematic transformation diagrams for steel' [and reply] 9—56958

Cavanagh, A.K. *see* Macaulay, C.F. 9—61629

Cavanagh, A.K. *see* Tran, V.N. 9—53190

Cavanagh, E., Cook, B.D. Numerical evaluation of Hankel transforms via Gaussian-Laguerre polynomial expansions 9—84938

Cavanagh, P.R. A technique for averaging center of pressure paths from a force platform 9—57692

Cavanaugh, G.P. Applications of Monte Carlo and discret-ordinates techniques to PWR cavity shield design 9—89364

Cavanaugh, G.P., Leung, D.C. Ex-core detector shape annealing functions for a ribbed core shroud 9—93792

Cavard, D., Criqui, P. Energy balances as a means for the evaluation of solar energy in developing countries 9—57388

Cave, J.R., Evetts, J.E., Campbell, A.M. AC flux penetration measurements on force free configurations in reversible type II superconductors 9—56464

Cave, J.R., LeBlanc, M.A.R. Calculations of the axial and azimuthal fluxes contained in a type II superconducting cylinder in a force-free configuration 9—82728

Cave, L. *see* Gossett, B. 9—49739

Cavedon, J.M. *see* Platchkov, S.K. 9—93541

Cavelin, C.Deville *see* Deville Cavelin, C.

Cavendish, J.C., Se H. Oh A computationally efficient Galerkin technique for approximating transient diffusion-reaction equations in composite media 9—96357

Cavenett, B.C., Brunwin, R.F. Spin dependent conductivity and photovoltage in ZnSe:Mn^{2+} Schottky barrier diodes 9—91141

Cavenett, B.C. *see* Nakamura, A. 9—65770

Cavin, O.B. *see* Harris, L.A. 9—90495

Cavin, O.B. *see* Vandermeer, R.A. 9—87661

Cawley, P., Adams, R.D. A vibration technique for non-destructive testing of fibre composite structures 9—57183

Cawley, P., Adams, R.D. Improved frequency resolution from transient tests with short record lengths 9—81797

Caylor, J. *see* Johns, O.T. 9—57799

Caylor, J. *see* Townsend, M.A. 9—53175

Cazabat, A.-M. *see* Allain, C. 9—87880

Cazaux, J. Microanalysis by scanning X-ray radiography and X-ray fluorescence: a new conception 9—74471

Cazeau-Dubroca, C. *see* Kadiri, A. 9—98132

Cazenave, T., Haraux, A. Schrodinger equation with logarithmic nonlinearity 9—53993

Ceasar, G.P., Weber, J., Talmi, Y. A multichannel electro-optical detector for rapid acquisition of X-ray photoelectron spectroscopy data 9—93263

Ceausescu, N. *see* Balaceanu, M. 9—86600

Ceausescu, N. *see* Bobulescu, R.C. 9—86177, 9—87917

Ceausescu, N. *see* Popovici, C. 9—86638, 9—86639

Ceba, M.R. *see* Garcia, D.V.G. 9—87927

Cebanu, A. *see* Tsois, N. 9—90475

Cebeci, T. An unsteady laminar boundary layer with separation and reattachment 9—59963

Cebeci, T. The laminar boundary layer on a circular cylinder started impulsively from rest 9—64627

Cebeci, T., Keller, H.B., Williams, P.G. Separating boundary-layer flow calculations 9—68678

Cebeci, T., Stewartson, K., Williams, P.G. On the response of a stagnation boundary layer to a change in the external velocity 9—64648

Cecchetti, E., Brandoli, V. Cranial irradiation in children with lymphoblastic acute leukemia: results and damages 9—100709

Cecchi, J.L. *see* Johnson, B.M. 9—54828

Cecchi, R. *see* Balestri, L. 9—58015

Cech, B. *see* Becvar, J. 9—100101

Cecil, F.E., Killian, K., Rymes, M. Gamma ray production cross sections in ^{127}I by inelastic neutron scattering 9—67706

Cecil, R.A., Anderson, B.D., Madey, R. Improved predictions of neutron detection efficiency for hydrocarbon scintillators from 1 MeV to about 300 MeV 9—68150

Cecille, L., Landat, D., Le Stang, M., Mannone, F. Separation of the actinides in solutions of highly active nuclear waste by extraction by solvent 9—85812

Cecotka, R. *see* Wasylak, J. 9—73331

Cederbaum, L.S. *see* Domcke, W. 9—56913, 9—64041, 9—72431, 9—76522

Cederberg, A.A., Kirtley, J.R. Binding energy of benzoate ions on alumina 9—60629

Cederberg, J. The deuterium quadrupole interaction in ND_3 9—98071

Cederquist, J., Lee, S.H. The use of feedback in optical information processing. A review 9—55062

Cederquist, J., Lee, S.H. The solution of partial differential equations with time-varying inhomogeneous terms using coherent optical feedback 9—76870

Cefola, P.J. *see* Collins, S.K. 9—80198

Cegla, W., Jacczyk, A.Z. States on causal logic 9—54282

Cejka, Z. *see* Stockel, P. 9—53038

Cejnar, F. *see* Wilhelmova, L. 9—49707

Celal Sengor, A.M. Mid-Mesozoic closure of Permo-Triassic Tethys and its implications 9—70780

Celasco, M., Fiorillo, F., Masoero, A. Comment on 1/f noise and its temperature dependence in silver and copper 9—60939

Celasco, M., Masoero, A., Stepanescu, A. The high temperature conductance of discontinuous metal films 9—78220

Celasco, M., Stepanescu, A. Mixed spectrum of correlated pulse sequences with application to linear atom chains 9—84944

Celaya, L., Mallick, S. Film-grain noise in holography 9—55082

Celentano, A. *see* Lederman, S. 9—68778

Celenza, L.S., Shakin, C.M. Orthogonality constraints and proton-induced reactions 9—89306

Celep, Z. On the lateral stability of a cantilever beam subjected to a non-conservative load 9—94531

Celigoj, C. A second-order theory for bending and torsion or rods 9—68598

Celik, T., Satz, H. Phase transitions in hadronic matter 9—75889

Celinski, Z., Strupczewski, A. The application of high-flux test reactor MARIA for nuclear power research programs 9—93693

Celio, R.B., Capon, G., Del Fabbro, R., De Santis, P., Grilli, M., Iarocci, E., Mencuccini, C., Peise, G., Spinetti, M., Valente, V., Bacci, C., De Zorzi, G., Penso, G., Stella, B. Experimental results on photon-photon interactions at Adone 9—93425

Celio, R.B. *see* Bacci, C. 9—93440

Celis, S.L. The amplitude extension and the amplitudes limit of red variables 9—62836

Celleja, R.Diaz *see* Diaz Celleja, R.

Celler, A., Kantele, J., Luontama, M., Zylicz, J. Determination of ion-induced K-shell ionization cross sections by comparison with nuclear Coulomb excitation 9—76500

Celler, G.K., Borutta, R., Brown, W.L., Poate, J.M., Rozgonyi, G.A., Sheng, T.T. CO_2 laser annealing of ion-implanted silicon 9—73183

Celler, G.K. *see* Barnes, P.A. 9—73585

Celler, G.K. *see* Bean, J.C. 9—56082, 9—69372

Celler, G.K. *see* Benton, J.L. 9—69609

Celler, G.K. *see* Cullis, A.G. 9—69129

Celler, G.K. *see* Leamy, H.J. 9—69136

Celler, G.K. *see* Paine, B.M. 9—73184

Celler, G.K. *see* Poate, J.M. 9—70365

Celler, G.K. *see* Rozgonyi, G.A. 9—74027

Celli, B.R. *see* Lucey, E.C. 9—88101

Celli, V., Garcia, N., Hutchison, J. Interpretation of selective adsorption in atom-surface scattering 9—100012

Celli, V. *see* Flytzanis, N. 9—65083

Celli, V. *see* Garcia, N. 9—60624, 9—69944, 9—98281

Celli, V. *see* Goodmann, F.O. 9—91555

Celmaster, W. Lepton-width suppression of vector-meson decays 9—49515

Celmaster, W., Gonsalves, R.J. Quantum-chromodynamics perturbation expansions in a coupling constant renormalized by momentum-space subtraction 9—63416

Celnik, J. Methodology for the analysis and design of a PWR reactor cavity shield system 9—89366

Celnik, J., Peng, W., Schlosser, M.J. Design and analysis of a PWR reactor cavity shield system 9—59225

Celnik, W., Rohlfs, K., Braunsfurth, E. A new determination of the thickness of the galactic disk from H I-observations and a discussion of some consequences for galactic mass models 9—75273

Celotta, R.J. *see* Wang, G.-C. 9—60233

Celotti, G. *see* Canali, C. 9—51442

Celotti, M. *see* Fazakerley, G.V. 9—95658

Cemic, L., Hinze, E., Will, G. Measurement of electrical conductivity under controller oxygen fugacities in high-pressure apparatus with solid media 9—93162

Cence, R.J., Dobson, P.N., Pakvasa, S., Tuan, S.F. *(editor)* Proceedings of the Seventh Hawaii Topical Conference in Particle Physics 9—49485

Cendlak, J. *see* Purol, H. 9—52920, 9—57420

Cenek, M. *see* Sandera, J. 9—70447

Ceng-da Hu *see* Hu Ceng-da

Censor, D. Geometrical mechanics for particles in dissipative systems 9—49087

Censor, Y., Tuy, H., Gustafson, D.E., Lent, A. A new approach to the emission computerized tomography problem: simultaneous calculation of attenuation and activity coefficients 9—66531

Center, R.E. *see* Fisher, C.H. 9—89890

Centrella, J. Plane-symmetric cosmologies 9—71162

Ceolin, R. *see* Fourcroy, P.H. 9—66047

Ceperley, D.M., Chester, G.V., Kalos, M.H., Whitlock, P.A. Monte Carlo studies of crystalline helium 9—65290

Ceperley, D.M., Kalos, M.H. Quantum many-body problems [Monte Carlo method applications] 9—82405

Ceperley, D.M. *see* Whitlock, P.A. 9—82401

Cepkauskas, M.M., Lubin, B.T. RMS acceleration response of a single-degree-of-freedom system to band-limited white noise 9—81787

Ceppi, D.P. The meteorological data distribution 9—96806

Ceradini, F. *see* Giboni, K.L. 9—89204

Ceradini, F. *see* Read, A.L. 9—49510

Cerceau, J.M. *see* Kravtchenko, V.B. 9—65842

Cercignani, C. Heat transfer in a Knudsen gas 9—86469

Cercignani, C. Knudsen layers: some problems and a solution technique 9—98759

Cercignani, C., Greenberg, W., Zweifel, P.F. Global solutions of the Boltzmann equation on a lattice 9—80536

Cerclet, M. *see* Blanconnier, P. 9—51458

Cerdan, J.P. An analysis of the operation of water-steam separators 9—63728

Cerdeira, F., Lemos, V., Katiyar, R.S. Stress dependence of the zone-center optical phonons of LaF_3 9—78686

Cerdonio, M. Susceptibility and structure of metallo-proteins and model systems 9—53036

Ceresa, E.Mello *see* Mello Ceresa, E.

Ceresara, S., Fiorini, P. Ageing in SAP-type (Al-Mg-Si)-Al_2O_3 composites 9—96055

Cerez, P., Bennett, S.J. Helium-neon laser stabilized by saturated absorption in iodine at 612 nm 9—59730

Cerez, P. *see* Cachenaut, J. 9—63194

Cerino, J., Cronin, R. Beryllium windows for synchrotron radiation beam lines 9—68026

Cerjan, C., Reinhardt, W.P. Critical point analysis of instabilities in Hamiltonian systems: classical mechanics of stochastic intramolecular energy transfer 9—98005

Cerling, B.W. *see* Cerling, T.E. 9—57930

Cerling, T.E., Cerling, B.W., Curtis, G.H., Drake, R.E., Brown, F.H. Preliminary correlations between the Koobi Fora and Shungura Formations, East Africa 9—57930

Cermak, J., Kucera, J. Diffusion of Pt-197 and Fe-59 in Fe-Pt alloys 9—77804

Cermak, J., Kufudakis, A., Gardavska, G. Diffusivity of hydrogen in platinum and the diffusion-elastic phenomenon 9—51310

Cermak, J.O. Thermal and hydraulic considerations in the design of PWRs 9—49651

Cermak, V., Hurtig, E. The preliminary heat flow map of Europe and some of its tectonic and geophysical implications 9—70765

Cerna, J. *see* Ilavsky, M. 9—83247

Cernak, M., Skalny, J., Veis, S. The time dependence of the negative corona current in air and in oxygen 9—64930

Cernigoi, C., Manzoni, G. Experiments on the intensity modulation in space and in time of a laser beam crossing a 2 MHz ultrasonic field 9—76906

Cerny, V., Frumar, M. ESR study and model of paramagnetic defects in Ge-S glasses 9—78517

Cerny, V., Lichard, P., Olejnik, S., Pisut, J. A possible origin of the large e/π ratio at low p_T in hadronic collisions at high energy 9—71687

Cerny, V., Lichard, P., Olejnik, S., Pisut, J. Monte Carlo approach to multiparticle production in a quark-parton model. IV. Charge distributions and fluctuations 9—93363

Cerny, V., Lichard, P., Pisut, J. Quark fragmentation functions from a quark-parton model of multiparticle production in e^+e^- annihilation 9—80791

Cerny, V., Lichard, P., Pisut, J. Charmed quark fragmentation functions in a Monte Carlo quark recombination model 9—97570

Cerofolini, G. *see* Baldi, L. 9—82679

Cerofolini, G.F. Heterogeneity effects in desorption kinetics 9—51433

Cerovsky, Z. Building hydroelectric stations on the river Danube in Austria 9—66401

Cerovsky, Z. Depth of penetration of an electromagnetic wave into a cylinder placed in a harmonically variable transverse magnetic field 9—81328

Cerrada, M. *see* Becker, H. 9—54363, 9—63533

Cerrina, F. *see* Margaritondo, G. 9—83094

Cerrina, F. *see* Williams, C.P. 9—74063

Certain, P.R. A variational principle for the complex-coordinate method 9—86070

Certain, P.R. *see* Moiseyev, N. 9—49992, 9—72283

Certier, M. *see* Sauder, T. 9—56816

Cerulli-Irelli, P. *see* Bavassano-Cattaneo, M.B. 9—58211

Ceruti, R. *see* Canavesio, F. 9—98577

Cerutti, P.J., Hon Chung Ko, McCurdy, K.G., Hepler, L.G. The standard enthalpy of ionization of water at 298K from calorimetric measurements on iodine pentoxide 9—70359

Cervantes Lee, F., Glasser, F.P. Powder diffraction data for compounds in the series $Na_x(Ca_{3-x}Na_x)Al_2O_6$ 9—94975

Cervenak, J. *see* Buch, J. 9—99633

Cervero, J.M. Time-dependent cosmological constant 9—88865

Cesar, C.L., Vargas, H., Meyer, J.A., Miranda, L.C.M. Photoacoustic effect in solids 9—64473

Cesare, L.De *see* De Cesare, L.

Cesari, C. *see* Boulesteix, C. 9—66596

Cesari, C. *see* Jouanin, C. 9—55621

Cesari, E., Torra, V., Navarro, J., Utzig, E., Zielenkiewicz, W. Thermogenesis in flow calorimeters 9—88956

Cesari, F. *see* Bragagnoli, F. 9—97782

Cescato, L., Frejlich, J. Roughness evaluation for thin films 9—78766

Cescon, P. *see* Marassi, R. 9—57244

Cesini, G., Guattari, G., De Santis, P., Palma, C. Two-point resolution with antiphase coherent illumination. I. One-dimensional systems 9—72505

Cesnys, A. *see* Oginskas, A. 9—65549

Cess, R.D. Biosphere-albedo feedback and climate modeling 9—53508

Cess, R.D., Caldwell, J. A Saturnian stratospheric seasonal climate model 9—75150

Cessin, S.A. *see* Van Bibber, K. 9—97723

Cester, B., Giuricin, G., Mardirossian, F., Mezzetti, M., Milano, L. Revised photometric elements of seven R CMa systems 9—58371

Cester, B. *see* Giuricin, G. 9—101175

Cetronio, A. *see* Cross, J.A. 9—83363

Cettl, L., Dvorak, J., Felkel, H., Feuereisl, R. Results of simulation of non-homogeneous ventilatory mechanics for a patient-computer arrangement 9—79575

Cetto, A.M. *see* de la Pena, L. 9—49077

Ceuleneer, R. Accurate optical potentials for elastic α-particl scattering from nuclei around A=40 9—97718

Ceuterick, F., Heremans, K., De Smedt, H., Nieuwenhuysen, P., Clauwaert, J. Dynamic light scattering measurements on the phase transitions of phospholipid vesicles 9—53058

Cevenini, F. *see* Castellano, M. 9—63197

Ceyer, S.T., Tiedemann, P.W., Ng, C.Y., Mahan, Lee, Y.T. Photionization of ethylene clusters 9—57212

Ceyer, S.T. *see* Tiedemann, P.W. 9—89622

Ceyzeriat, P., Denis, A., Desesquelles, J., Druetta, M. Second-order calculation and beam-foil measurement of atomic lifetimes in Ne-like Al IV 9—59422

Cezairliyan, A. *see* Miiller, A.P. 9—90805

Cha, B.K. *see* McLennan, G.A. 9—89407

Cha, C.Y. *see* Bawman, L.M. 9—94861

Cha Ik Chang, Neuberger, J., Fischer, R. Activation energies for migration of K^+ and N^0 in KN_3 9—77813

Cha Jong Hee *see* Jong Hee Cha

Cha-Mei Tang Comparison of spectral methods for flows on spheres 9—72877

Cha-Mei Tang *see* Sprangle, P. 9—72018

Chaban, A.A. Electroacoustic echo in powders 9—91104

Chaban, I.A. Irregularities in the narrowing of the wing of the Rayleigh line as the critical mixing point is approached 9—56803

Chaban, I.A. Acoustohydrodynamic instability of nematic liquid crystals 9—94397

Chabanel, M. *see* Paoli, D. 9—72442

Chabaud, V. *see* Becker, H. 9—54363, 9—63533

Chabay, I., Rosasco, G.J., Kashiwagi, T. Species-specific Raman spectroscopic measurements of concentration fluctuations in unsteady flow 9—66379

Chabay, I. *see* Schaefer, J.C. 9—89961

Chabert, A., Ferme, J., Gendreau, G., Lapostolle, P., Yvon, P. Chromatic correlations at injection and related ejection problems in separated sector cyclotrons 9—72110

Chabert, A., Gendreau, G., Lapostolle, P. Limited energy spread in an SSC 9—54698

Chabert d'Hieres, G., Renouard, D. The experimental study of wind generated internal waves 9—62518

Chabot, B., Parthe, E. Sc_2Pt with orthorhombic Ni_2Si structure type 9—77553

Chabr, M., Williams, D.F. The kinetics of diffusion-controlled reactions in anisotropic systems. Exciton trapping, detrapping and heterofusion in molecular crystals 9—87044

Chabr, M. *see* Funfschilling, J. 9—69879

Chabr, W., Williams, D.F. Exciton annihilation in molecular crystals at high exciton densities 9—78016

Chabrier, G., Goudonnet, J.P., Vernier, P. Explanation of the anomalies observed in a quantitative study of the photoelectric yield of silver by the non-locality of the dielectric response 9—61489

Chabrillac, M. The hypothesis of a primary coolant leak in pressurized water reactors 9—63724

Chacin, G. *see* Kamal, M. 9—86656

Chacko, V.P., McDowell, C.A., Singh, B.C. ENDOR studies on X-irradiated single crystals of acridine and phenazine 9—87330

Chackraburtty, D.M. *see* Jayadevon, N.G. 9—66210

Chadan, K. Gel'fand-Levitan theory of the inverse problem for singular potentials 9—49098

Chadband, W.G., Calderwood, J.H. The propagation of discharges in dielectric liquids 9—91362

Chadda, S., Mallikarjun Rao, S.P. Determination of ultrasonic velocity in liquids using optical diffraction by short acoustic pulses 9—62963

Chadderton, L.T. The stability of cones and pyramids on sputtered surfaces of copper 9—78812

Chadderton, L.T. *see* Komolov, S.A. 9—61479

Chaddha, G. On the Curie temperature of a spin one XY ferromagnet with uniaxial anisotropy 9—78425

Chadha, S., Goldschmidt, Y.Y. On the existence of local conservation laws in various generalizations of the nonlinear σ-model 9—71621

Chadi, D.J. (110) surface atomic structures of covalent and ionic semiconductors 9—69331

Chadi, D.J. Atomic and electronic structures of reconstructed Si (100) surfaces 9—73381

Chadraa, B. *see* Somogy, A. 9—80173

Chadranyan, L.Kh. *see* Baiburina, S.G. 9—80156, 9—80170

Chadwick, C. *see* Radecki, D. 9—86194

Chadwick, G.A. *see* Boswell, P.G. 9—66077

Chadwick, G.B. *see* Cuatis, C.V. 9—89193

Chadwick, P., Jarvis, D.A. Surface waves in a pre-stressed elastic body 9—59940

Chadwick, R.S., Cole, J.D. Modes and waves in the cochlea 9—92232

Chadwick, R.S. *see* Gavish, J. 9—77125

Chadwick, R.S. *see* Lee, S.H. 9—94580

Chaffin, D.B. *see* Armstrong, T.J. 9—74803

Chagelishvili, G.D. *see* Lominadze, D.G. 9—73009

Chaghtai, S.A., Khan, S.S., Sultan, S. Effects of X-rays on germination of some wild papilionaceous seeds 9—74728

Chahine, G.L., Fruman, D.H. Dilute polymer solution effects on bubble growth and collapse 9—81956

Chahoud, J., Russo, G., Ferrari, L. Extended electronic state and Anderson transition in one dimension 9—51487

Chahroudi, D. Development of Thermocrete heat storage materials 9—57483

Chai, J., Moszkowski, S.A. J-averaged behavior of the core polarization through third order for excitations up to 10 $\hbar\omega$ 9—67671

Chai, J., Riska, D.O. Energy dependence of the absorptive S-wave pion-nucleus optical potential 9—54418

Chai, J., Riska, D.O. On the angular distribution for the reaction $pp \rightarrow d\pi^+$ 9—85314

Chai, V. *see* Slowinski, B. 9—80957

Chaichian, M., Hayashi, M., Nelipa, N.F., Pukhov, A.E. On the problem of existence of quantum field theory 9—97261

Chaika, M.O., Kozlov, Yu.G. Some anomalies of an achromatic fringe interference pattern 9—49278

Chaika, M.P., Polzik, E.S., Belov, V.N. Electric scanning method and estimate of the polarizability of the rubidium $6^2P_{1/2}$ state 9—76381

Chaika, M.P. *see* Kazantsev, S.A. 9—72277

Chaika, M.P. *see* Zhechev, D.Z. 9—64944

Chaikin, P.M. Quasi-one-dimensional conductors [thermoelectric power studies] 9—65463

Chaikin, P.M., Kwak, J.F., Epstein, A.J. Evidence for strong Coulomb correlations in an organic conductor 9—56203

Chaikin, P.M. *see* Azevedo, L.J. 9—56356

Chaikin, P.M. *see* Dee, R.H. 9—56204

Chaikin, P.M. *see* Donovan-Vojtovic, B.F. 9—82721, 9—87208

Chaikin, P.M. *see* Fuller, W.W. 9—82704

Chaikin, P.M. *see* Khanna, S.K. 9—56206

Chaikin, V.I. *see* Malyutenko, V.K. 9—78199

Chaikovskii, A.P. *see* Ivanov, A.P. 9—54178

Chaikovskii, B.S. Finding the optimum heat-treatment routine for maximum damping in Mn-Cu-Zn system alloys 9—87670

Chaikovskii, I.A. *see* Shmelev, G.M. 9—69542

Chaikovskii, O.I. *see* Zorii, V.I. 9—49228

Chainer, T., Morii, Y., Kojima, H. Fourth sound Helmholtz resonator in superfluid ^3He 9—51359

Chaintreau, M., Slodzian, G. Secondary ion images observation utilising channel plate 9—58840

Chaisson, E.J. Gaseous nebulas 9—58408

Chaisson, E.J. *see* Rodriguez, L.F. 9—97059

Chaisson, L. *see* Griffiths, R.E. 9—101211

Chait, R., Pasternak, R.E. The stress controlled high cycle fatigue response of a metastable beta titanium alloy as influenced by several test variables 9—61734

Chakarvarti, S.K., Nagpaul, K.K. Trace determination of uranium in silicon by fission track method 9—79354

Chaklader, A.C.D. *see* Sallam, E.M.H. 9—83156

Chakoo, K.J., Patel, M.M. Fine structure of B-X system of SbO molecule 9—50030

Chakoo, K.J., Patel, M.M. Band spectrum of SbO^+ molecule 9—72328

Chakrabarti, A. A direct approach to the problem of diffraction by a half-plane under mixed boundary conditions 9—86116

Chakrabarti, A., Comtet, A. Merons and meronlike configurations 9—71636

Chakrabarti, A., Gupta, A.S. Hydromagnetic flow and heat transfer over a stretching sheet 9—72956

Chakrabarti, A., Sastry, V.V.S.S. Diffraction of a cylindrical pulse by a half plane under mixed boundary conditions 9—98265

Chakrabarti, A.K., Das, A.K., De, A.K. Correlation between the sea level muon spectrum and the primary nucleon spectrum using the Cocconi-Koester-Perkins model 9—84612

Chakrabarti, B.K., Barua, B.P., Sinha, S.K. Critical temperature of a compressible Ising magnet 9—99712

Chakrabarti, B.K., Roy, G.K. Critical ultrasonic attenuation in a disordered binary alloy 9—99272

Chakrabarti, C.G. On statistics and thermodynamics. I 9—85074

Chakrabarti, C.G. On statistics and thermodynamics. II 9—85075

Chakrabarti, J. *see* Sengupta, P.R. 9—98614

Chakrabarti, K.M. Group theoretic approach of classification of similarity solution in forced convection in the presence of an external magnetic field 9—77266

Chakrabarti, S.K., Sengupta, S. Temperature-induced phase transition and lattice mechanics of CsCl 9—77698

Chakrabarty, D.K. *see* Chakrabarty, P. 9—75027, 9—96849

Chakrabarty, D.K. *see* Patil, S.B. 9—65663

Chakrabarty, D.R., Gupta, S.K. Fast neutron capture and the microscopic isovector optical potential 9—63668

Chakrabarty, P., Chakrabarty, D.K. Mesopause temperature from the $[NO^+.H_2O]/[NO^+]$ 9—96849

Chakrabarty, P., Chakrabarty, D.K., Witt, G. Nitric oxide under different constraints imposed on ion-neutral chemistry 9—75027

Chakrabarty, S., Mitra, A.N., Santhanam, I. Relativistic QPC model for reduced $V \rightarrow P\gamma$, $P \rightarrow \gamma\gamma$, etc. Decays and enhanced EM tadpoles 9—67555

Chakrabarty, S. *see* Tibarewala, D.N. 9—70725

Chakraborty, A.K. Formation of silicon-aluminium spinel 9—78958

Chakraborty, B. *see* Allen, P.B. 9—65446

Chakraborty, B. *see* Khan, M. 9—60147

Chakraborty, B.P., Grieneisen, H.P., Francke, R.E., Gallas, J.A.C. Calculation of rotational constants by asymptotic expansion 9—68289

Chakraborty, B.P. *see* Gallas, J.A.C. 9—49999

Chakraborty, D. *see* Basu, S.P. 9—62056

Chakraborty, K.G. On the possibility of the existence of an intermediate quadrupolar phase in an asymmetrical Heisenberg system 9—51784

Chakraborty, P., Dey, S.D. Apparatus for the study of secondary ions from solid surfaces under ion bombardment 9—83072
Chakraborty, P.K. *see* Kapoor, M.R. 9—98585
Chakraborty, S.K. *see* Dasgupta, A. 9—98655
Chakraborty, S.K. *see* Niyogi, P. 9—50750
Chakraborty, T. *see* Dey, M. 9—49575
Chakraborty, T.K. Relativistic cylindrical shock propagation through a magnetic field 9—94796
Chakraborty, T.K. *see* Ray, G.D. 9—53708
Chakrapani, D.G. *see* Eliezer, D. 9—100291
Chakravarti, S. *see* Lee, T.-S.H. 9—85551
Chakravarti, S.P., De, U.K. Some solutions of spherical charged fluid balls 9—64803
Chakravarti, S.P., De, U.K. Metrics of static spheroidal charged dust distributions 9—71318
Chakravarty, B.C., Prasad, A. Diffusion of gallium into silicon 9—77621
Chakravarty, B.C. *see* Jain, G.C. 9—70184
Chakravarty, S., Fogel, M.B., Kohn, W. Dynamic response of inhomogeneous Fermi systems 9—97299
Chakravarty, S. *see* Das, U. 9—63074
Chakravarty, S. *see* Gann, R.C. 9—94814
Chakroun, A. *see* Seoudi, B. 9—59539
Chakupurakal, T. Design and construction of an automatic thin film fabrication and simultaneous computer-controlled measurement equipment built in a cyrostat 9—69984
Chalant, G., Mory, J. Dechannelling by dislocation loops 9—95056
Chalapati Rao, Y.V. Vibrational energy transfer in methanol and deuterated methanols 9—86039
Chalasinska-Macukow, K., Szoplik, T. Reconstruction of a Fraunhofer hologram recorded near the focal plane of a transforming lens 9—72526
Chaldyshev, V.A. *see* Goryunov, V.A. 9—69574
Chalikov, D.V. *see* Zilitinkevich, S.S. 9—84292
Chalilew, W. *see* Wasylak, J. 9—73331
Chalisova, N.A. *see* Palkina, K.K. 9—90623
Chaljub-Simon, A., Choquet-Bruhat, Y. Solution of the Lichnerowicz equation on an asymptotically Euclidean manifold 9—71302
Challa, G. *see* Vorenkamp, E.J. 9—66292
Challen, J.M., Oxley, P.L.B. An explanation of the different regimes of friction and wear using asperity deformation models 9—87739
Challenger, K.D. *see* Miller, A.K. 9—93729
Challis, L.J. High resolution phonon spectroscopy at low temperatures 9—69207
Challis, L.J., Fletcher, J.R., Jefferies, D.J., Sheard, F.W., Toombs, G.A., de Goer, A.M., Hutchings, M.T. Investigation of critically coupled spin-phonon modes in chromium-doped MgO 9—60441
Challis, T.W. *see* Haig, D.C. 9—88178
Chalmers, A.N. *see* Kok, C.J. 9—100955
Chalmers, I.D., Phukan, B.D. Photographic observations of impulse breakdown in short vacuum gaps 9—82112
Chalot, S. *see* Mouchart, J. 9—64301
Chaloupka, V. *see* Cuatis, C.V. 9—89193
Chalov, P.I., Tuzova, T.V., Alekhina, V.M. Long-term variations of radioisotope parameters in crustal fracture water and the prediction of earthquakes 9—62451
Chalov, P.I. *see* Vasil'ev, I.A. 9—61932
Chalupa, J. Griffiths singularity in a non-dilute Ising chain 9—78285
Chalupa, J. Percolation in bounded geometries 9—93062
Chalupa, J., Giri, M.R. Absence of first-order transitions in a chainlike metamagnet 9—51794
Chalupa, L.M. *see* Scobey, R.P. 9—79537
Chalupka, A. A low-mass, fast ionization chamber for detection of fission fragments 9—81128
Chalupka, A. Analytical approach to the analysis of spectra from time-of-flight measurements 9—97929
Chal'yan, M. The production of electrical energy [solar and wind energy] 9—96424
Chalyi, V.M. *see* Kovrigin, A.A. 9—87772
Chalyi, V.P. *see* Khalfin, V.B. 9—73574
Chalyi, V.P. *see* Novosadova, E.B. 9—52143
Chalykh, A.E., Sidorenko, V.I., Valetskii, P.M., Chalykh, T.I., Kalachev, A.I. Kinetics of sorption and structural transformations in the system: tetrahydrofuran-carborane-containing polyarylates 9—51432
Chalykh, A.E. *see* Grivtsov, A.C. 9—74011
Chalykh, A.E. *see* Korshak, V.V. 9—57307
Chalykh, A.E. *see* Nikishin, E.L. 9—95217
Chalykh, A.E. *see* Rogovina, L.Z. 9—65010
Chalykh, T.I. *see* Chalykh, A.E. 9—51432
Chamayou, J.M.F. Numerical experiments in identification of parameters in differential and partial differential equations 9—66258
Chambaret, J.P. *see* Andre, Y.V. 9—94326
Chamberlain, A.C., Heard, M.J., Little, P., Wiffen, R.D. The dispersion of lead from motor exhausts 9—70491
Chamberlain, G.A., Cooney, P.J. Photoelectric properties of aluminium/copper phthalocyanine/gold photovoltaic cells 9—99573
Chamberlain, J.R. On second-order optical processes 9—68417
Chamberlain, J.W. The geophysical importance of searching for intelligent life in the Galaxy 9—53736
Chamberlain, J.W. Depletion of satellite atoms in a collisionless exosphere by radiation pressure 9—96933
Chamberlain, J.W. *see* Dessler, A.J. 9—75138
Chamberlain, M.B. Interdiffusion of Al and Cr thin films 9—82391
Chamberlain, M.J. *see* McLellan, J.S. 9—100706
Chamberlain, O. *see* Jonckheere, A. 9—63527
Chamberlain, S.C., Barlow, R.B., Jr. Innervation patterns of single optic nerve fibers in the Limulus brain: a modification of the cobalt staining technique for cut axons 9—53096
Chamberland, B.L., Levasseur, G. Rhenium oxides having an ordered or related perovskite-type structure 9—65053
Chamberland, B.L., Silverman, S. The preparation and characterization of several mixed metal hydroxides of the type $AB(OH)_6$ 9—90610
Chamberland, B.L. *see* Baud, G. 9—65041
Chamberlin, D.D. *see* Melson, K.E. 9—76159
Chamberlin, E.P. *see* Willard, H.B. 9—63502
Chamberlin, R.V., Moberly, L.A., Symko, O.G. SQUID detection of EPR in dilute CMN 9—63290
Chamberlin, R.V., Moberly, L.A., Symko, O.G. High-sensitivity magnetic resonance by SQUID detection 9—75560
Chamberod, A., Laugier, J., Penisson, J.M. Electron irradiation effects on iron-nickel Invar alloys 9—56638
Chambers, A.J. *see* Antonia, R.A. 9—62580, 9—66759, 9—66760, 9—70843, 9—88434
Chambers, B. *see* Simpson, S.H.W. 9—100966
Chambers, J.L., Stroud, R.M. The accuracy of refined protein structures: comparison of two independently refined models of bovine trypsin 9—92128
Chambers, K.C., Parker, A. A modified design for lake-seston traps and a simple method for relocating them 9—74964
Chambers, M.J. *see* Sobur, A.S. 9—53556
Chambers, R. *see* Larner, K.L. 9—92500
Chambers, R. *see* Sobur, A.S. 9—53556
Chambers, W.H. Progress on integrated safeguards assessment 9—89418
Chambouleyron, I., Saucedo, E. Properties of chemically sprayed SnO_2 antireflecting films on Si solar cells 9—72639
Chambre, P.L. *see* Alb, G.P. 9—76085
Chambron, W. *see* Caplain, A. 9—55775
Chameides, W.L. The implication of CO production in electrical discharges 9—70836
Chameides, W.L., Walker, J.C.G., Nagy, A.F. Possible chemical impact of planetary lightning in the atmospheres of Venus and Mars 9—96940
Chameides, W.L. *see* Levine, J.S. 9—96786
Chameides, W.L. *see* Stedman, D.H. 9—53493
Chamero Ferrer, A. Measurement of thermal diffusivity using laser technology 9—90835
Chaminade, J.P. *see* Boukhari, A. 9—99129
Chaminade, J.-P. *see* Courbin, P. 9—100095
Chaminade, J.-P. *see* Villeneuve, G. 9—77579
Chamley, H. *see* Robert, C. 9—84220
Chamness, A.F. *see* Merritt, J.H. 9—74718
Chamorovski, Y.K. *see* Grigoryants, V.V. 9—76855
Chamorovskii, S.K. *see* Pyt'eva, N.F. 9—53067
Chamorovskii, Yu.K. *see* Grigor'yants, V.V. 9—59836
Chamouard, P.A. *see* Aknin, J.P. 9—68001
Chamoun, E., Abou-Chacra, R. Measure of the collision anisotropic rate 9—76488
Champ, D.R., Gulens, J., Jackson, R.E. Oxidation-reduction sequences in ground water flow systems 9—84303
Champagne, B., Angers, R. Mechanical properties of hot-pressed $B\text{-}B_4C$ materials 9—79018
Champagne, L.F., Palumbo, L.J., Finn, T.G. Absorption processes in the XeCl laser 9—55115
Champagne, L.F. *see* Eden, G. 9—59705
Champagnon, B., Duval, E. Emission spectrum of V^{4+}-αAl_2O_3: Jahn-Teller effect in the fundamental $^2T_{2g}$ and excited ^2E_g states 9—83007
Champailler, A. *see* Cordier, S. 9—53236
Champeney, D.C. The scattering of Mossbauer radiation by condensed matter 9—78596
Champier, G. *see* George, A. 9—86798
Champion *see* Bandyopadhyay, A.K. 9—91543
Champion, J.V., Meeten, G.H., Senior, M. Optical turbidity and refraction in a dispersion of spherical colloidal particles 9—92012
Champion, K.S.W., Forbes, J.M. Some recent mesopheric and lower thermospheric data and models 9—84553
Champion, M., Bray, K.N.C., Moss, J.B. The turbulent combustion of a propane-air mixture 9—64792
Champion, P.A., Ewen, R.O., Suppa, E. The ESA lightweight hybrid solar array 9—96475
Champion, P.M., Albrecht, A.C. Investigations of Soret excited resonance Raman excitation profiles in cytochrome c 9—92147
Champion, P.M., Korenowski, G.M., Albrecht, A.C. On the vibronic theory of resonance Raman scattering 9—94004
Champion, R.L. *see* De Vreugd, C. 9—98186
Chan, A.M.C., Banerjee, S. Three-dimensional numerical analysis of transient natural convection in rectangular enclosures 9—77111
Chan, A.M.C., Banerjee, S. A numerical study of three-dimensional roll cells with rigid boundaries 9—81888
Chan, B.C. *see* Dighe, S.V. 9—61959
Chan, C., Daily, J.W. Near-resonant Rayleigh scattering and atomic flame fluorescence spectroscopy 9—92033
Chan, C. *see* Hoffman, D.K. 9—89735
Chan, C. *see* Ze, F. 9—90461
Chan, C.K. *see* Gossett, B. 9—49739
Chan, C.K. *see* Motamed, M. 9—89441
Chan, C.K. *see* Ullman, A.Z. 9—89497
Chan, C.-M., Luke, K.L., Van Hove, M.A., Weinberg, W.H., Williams, E.D. Structural determination of the unreconstructed and the reconstructed (110) surfaces of iridium 9—77880
Chan, C.-M., Van Hove, M.A., Weinberg, W.H., Williams, E.D. Structural study of the reconstructed Ir (110)-(1×2) surface by low-energy electron diffraction 9—56050
Chan, C.-M., Williams, E.D., Weinberg, W.H. Debye temperatures of the (110) and (111) surfaces of iridium by LEED 9—60619
Chan, C.W.Y., Jones, G.M., Catchlove, R.F.H. The 'late' electromyographic response to limb displacement in man. II. Sensory origin 9—96545
Chan, C.W.Y., Jones, G.M., Kearney, R.E., Watt, D.G.D. The 'late' electromyographic response to limb displacement in man. I. Evidence for supraspinal contribution 9—96544
Chan, D.Y.C., Mitchell, D.J., Ninham, B.W. A model of solvent structure around ions 9—70335
Chan, D.Y.C., Mitchell, D.J., Ninham, B.W., Pailthorpe, B.A. Forces due to solvent structure in particle interactions: the one-dimensional problem 9—73080
Chan, F.T., Eichler, J. Charge exchange between H(2s) and energetic projectiles 9—59554
Chan, F.T., Eichler, J. Comment on the asymmetry in the cusp of the differential cross section for charge capture to the continuum 9—94082
Chan, F.T. *see* Eichler, J. 9—89777
Chan, G.L., Little, J.B. Response of plateau-phase mouse embryo fibroblasts to ultra-violet light 9—74722
Chan, H. *see* Willem Monster, A. 9—62389
Chan, H.C., Tseung, A.C.C., Onuchukwu, A.I. An electrochemical method for detecting threshold stress intensity in stress corrosion 9—96189
Chan, I.Y., Heath, B.A. ENDOR study of the phase transition in benzil 9—73855
Chan, I.Y., Heath, B.A. An ENDOR study of the geometry of the lowest triplet state of benzil 9—89696
Chan, I.Y., Mushlin, R.A. Spin densities in triplet benzophenone 9—64021
Chan, I.Y. *see* Avouris, P. 9—68276, 9—74403
Chan, J.H.C., Ballik, E.A. Laminar fluid flow measurements employing a white light fringe image velocimeter (WFIV) 9—64816
Chan, J.L.-H. *see* Pen-Shu Yeh 9—74747
Chan, K. *see* Almenas, K. 9—85722
Chan, K.C. *see* Ormrod, J.H. 9—54657
Chan, K.L., Henriksen, R.N., Chau, W.Y. X-ray sources and their induced surrounding clouds 9—67117
Chan, K.L. *see* Lasher, G.L. 9—71060
Chan, K.T.J. *see* McComb, W.D. 9—72918
Chan, P.C.-H., Leal, L.G. The motion of a deformable drop in a second-order fluid 9—64754
Chan, P.Ching Ho *see* Ching Ho Chan, P.
Chan, S.H., Tsai, C.F., Cho, D. Attenuation of HCDA work potential by heat transfer 9—93773
Chan, S.H., Tseng, H.H. Thermal radiation properties of interfaces between nuclear reactor materials 9—80980
Chan, S.H. *see* Cho, D.H. 9—49759, 9—93786
Chan, S.K., Sakmar, I.A. Unitarity sufficiency condition in some concrete cases 9—86068
Chan, S.-K. *see* Wurz, U. 9—95140
Chan, T. *see* Avery, R.T. 9—68105
Chan, V.S., Chiu, S.C. Wave-plasma coupling at the lower hybrid frequency 9—94791
Chan, W.T. *see* Ko, N.W.M. 9—86479
Chan, Y.T., Riley, J.M., Plant, J.B. A parameter estimation approach to time delay estimation 9—59867
Chan, Y.W., Tsui, W.L. Classical theory of scattering of an electron beam by a laser standing wave 9—94143
Chan Chan Van *see* Chan Van Chan
Chan Chen Mo *see* Rikovska, J. 9—59031
Chan Chung *see* Chung Chan
Chan Eu Byung *see* Byung Chan Eu
Chan Gyung Park, Tong-Hoon Kim On the surface tension of Pb-Sn-Sb system 9—90848
Chan Jun Ki *see* Ki Chan Jun
Chan Lui-Heung *see* Lui-Heung Chan
Chan Ngoc *see* Ngoc Chan
Chan Tak-Chee *see* Tak-Chee Chan
Chan Van Chan Using the Rayleigh method in the problem of generation of surface waves on smooth water by winds 9—68730

Chanan, G.A. *see* Long, K.S. 9—101221
Chance, A., Kelly, P.M. An apparent periodicity in an index of volcanic activity 9—92514
Chance, E.M., Harris, M.J. Explosive nucleosynthesis and meteoritic isotope anomalies 9—62795
Chance, K.V., Bowen, K.H., Winn, J.S., Klemperer, W. Microwave and radio frequency spectrum of XeHCl 9—72302
Chance, M.S. *see* Todd, A.M.M. 9—64846
Chance, R.R., Patel, G.N., Witt, J.D. Thermal effects on the optical properties of single crystals and solution-cast films of urethane substituted polydiacetylenes 9—87460
Chance, R.R. *see* Eckardt, C.J. 9—73923
Chance, R.R. *see* Ivory, D.M. 9—91031
Chance, R.R. *see* Patel, G.N. 9—64129
Chance, R.R. *see* Shand, M.L. 9—86094
Chanchalashvili, Z.I. *see* Monaselidze, D.R. 9—57593
Chanchalashvili, Z.I. *see* Mrevlishvili, G.M. 9—79448
Chand, P. Time evolution of coherent states 9—50271
Chand, P. *see* Mohan, M. 9—98205
Chand Paul, R., Kapoor, P., Kapoor, R., Dev Verma, R. Chemistry of imidobis(sulphuryl chloride). IV. Measurements of physical properties of imidobis(sulphuryl chloride) 9—51293
Chandawanich, N., Sharpe, W.N., Jr. An experimental study of fatigue crack initiation and growth from coldworked holes 9—79063
Chander, S., Fuerstenau, D.W. Interfacial properties and equilibria in the apatite-aqueous solution system 9—77751
Chandesris, D. *see* Thiry, P. 9—74056
Chandler, C., Gibson, A.G. Two Hilbert space scattering theory: recent progress 9—75411
Chandler, C., Tobocman, W. R-matrix method for nuclear reaction theory 9—63642
Chandler, D. *see* Montgomery, J.A., Jr. 9—66273
Chandler, D. *see* Rebertus, D.W. 9—70308
Chandler, J.R., Mitchell, G.E., Bilpuch, E.G. Phase relation for a common doorway state in ^{47}V 9—89276
Chandler, P.E., Taylor, P.A., Hopkins, B.J. The reactivity of the clean and contaminated (000$\bar{1}$) polar and the (10$\bar{1}$0) prism ZnO surfaces to chlorine 9—61904
Chandler, P.J., Townsend, P.D. Implantation temperature measurement using impurity luminescence 9—52012
Chandler, P.J. *see* Aguilar, M. 9—52026
Chandler, R.P. *see* Hsfen-Wen Ju 9—53217
Chandler, T.R.D. *see* Colclough, A.R. 9—93094
Chandley, P.J. Determination of the standard deviation of height on a rough surface using interference microscopy 9—93098
Chandley, P.J. Determination of the probability density function of height on a rough surface from far-field coherent light scattering 9—93099
Chandley, P.J., Escamilla, H.M. Speckle from a rough surface when the illuminated region contains few correlation areas: the effect of changing the surface height variance 9—59636
Chandna, O.P., Barron, R.M., Garg, M.R. Plane compressible MHD flows 9—50809
Chandola, V.K. *see* Loyalka, S.K. 9—67820
Chandra, A., Wood, C.E.C., Woodard, D.W., Eastman, L.F. Surface and interface depletion corrections to free carrier-density determinations by Hall measurements 9—91170
Chandra, A. *see* Mathur, K.N. 9—74509
Chandra, B., Bhatt, R.C. Effect of dysprosium concentration on the TL characteristics of $CaSO_4$:Dy phosphor 9—93881
Chandra, B. *see* Lakshmanan, A.R. 9—79661
Chandra, B.P., Elyas, M. Luminescence during release of pressure in X-ray irradiated alkali halide crystals 9—65939
Chandra, B.P., Elyas, M. Triboluminescence and piezoelectric behaviour of orthorhombic crystals 9—95861
Chandra, G., Ray, J. Mossbauer study of dilute gold-iron alloys in spin glass regime 9—61289
Chandra, G. *see* Ray, J. 9—61056
Chandra, H. On the triangle size effect in spaced receiver drift experiments 9—53635
Chandra, H. Seasonal and solar cycle variations in the occurrence of night E_s at Ahmedabad 9—80071
Chandra, H. Triangle size effects in spaced receiver drift experiment-errors in estimating parameters of ground diffraction pattern 9—88525
Chandra, H. Occurrence of negative V_z^2 in correlation analysis of spaced fading records 9—88540
Chandra, H., Patel, V.P. Ionospheric E-region drifts and geomagnetic field variation at tropical latitudes 9—88528
Chandra, H., Rastogi, R.G. Nature of equatorial spread-F irregularities derived from spaced fading records at Thumba [India] 9—88543
Chandra, H., Vats, H.O. Drift measurements from first and second order reflections 9—53642
Chandra, H., Vyas, G.D. Magnetic activity and spread-F at Kodaikanal [India] 9—88542
Chandra, H. *see* Patel, V.P. 9—53637, 9—88541
Chandra, H. *see* Rastogi, R.G. 9—53633, 9—53638, 9—75028
Chandra, H. *see* Sethia, G. 9—88531, 9—88533, 9—101006
Chandra, H. *see* Vyas, G.D. 9—53639, 9—84580
Chandra, K. *see* Singh, A.K. 9—79821
Chandra, M. Dependence of solar radiation availability on atmospheric turbidity 9—58071
Chandra, P., Sharma, R.C. Surface wave second harmonic generation over a n-type semiconductor 9—60860
Chandra, P. *see* Pandey, P.K.K. 9—94019
Chandra, R. Fundamental mode excitation by tilted or off-axis Gaussian beams in a tube waveguide with an outer higher-index cladding 9—50410
Chandra, R. Far-field radiation pattern of fundamental mode in a tube waveguide with an outer higher-index cladding [optical fibres] 9—90033
Chandra, R., Ericsson, T. Goldanskii-Karyagin effect in $FePS_3$ 9—99798
Chandra, R., Verma, J.S. Surface wave instabilities in InSb-GaAs semiconductor plasmas: the temperature effects 9—78125
Chandra, R. *see* Sethi, P.K. 9—74791
Chandra, S. Commercializing solar water heaters in residences 9—57460
Chandra, S., Krankowsky, D., Lammerzahl, P., Spencer, N.W. Auroral origin of medium scale gravity waves in neutral composition and temperature 9—74998
Chandra, S., Mohabey, V.K. Superionic solid films. I. Formation and electrical conductivity of KAg_4I_5 9—82380
Chandra, S. *see* Compaan, A. 9—72626
Chandra, S. *see* Suri, R.K. 9—61956
Chandra, S.K. *see* Gupta, R.P. 9—61940
Chandra, U., McWhorter, J.G., Nowroozi, A.A. Attenuation of intensities in Iran 9—92497
Chandra Singh, U., Kelkar, V.K. 'Molecular properties' in intense magnetic field 9—81169
Chandraker, A.L., Munjal, M.L. Noise from an axisymmetric shear flow. I. Numerical results 9—77206
Chandraker, A.L., Munjal, M.L. Noise from an axisymmetric shear flow. II. Analytical results 9—77207
Chandraker, A.L., Munjial, M.L. Directivity and Mach number dependence of the sound radiated from turbulent jets 9—72921
Chandramohan, T. *see* Achuthan, P. 9—67603
Chandramouli, V.A. *see* Kondal Rao, N. 9—49806
Chandran, K.B., Hosey, R.B., Ghista, D.N., Vayo, V.W. Fluid mechanical data of unsteady viscous flow in a curved elastic tube for some circulatory patho-physiological situation and extracorporeal devices 9—92281
Chandran, K.B. *see* Ray, G. 9—83875
Chandraratna, P.A.N. *see* Chu, W.K. 9—83864
Chandrasekaran, V. *see* Ramaswamy, K. 9—92551
Chandrasekhar, H.R., Chandrasekhar, M., Manghnani, M.H. Phonons in titanium doped vitreous silica 9—91447
Chandrasekhar, H.R., Mead, D.G. Long-wavelength phonons in mixed-valence semiconductor $Sn^{II}Sn^{IV}S_3$ 9—65873
Chandrasekhar, M., Rossler, U., Cardona, M. Intra- and interband Raman scattering in heavily doped p-Si 9—95788
Chandrasekhar, M. *see* Chandrasekhar, H.R. 9—91447
Chandrasekhar, S., Madhusudana, N.V. Phase transitions and pretransition phenomena in liquid crystals 9—60491
Chandrasekhar, S., Sadashiva, B.K., Suresh, K.A., Madhusudana, N.V., Kumar, S., Shashidhar, R., Venkatesh, G. Disc-like mesogens 9—86699
Chandrasekhar, S., Xanthopoulos, B.C. On the metric perturbations of the Reissner-Nordstrom black hole 9—71319
Chandrasekhar, S. *see* Pillai, P.K.C. 9—51625, 9—95448
Chandrasekhara, B.C., Kantha, R., Rudraiah, N. Effect of slip on porous-walled squeeze films in the presence of a transverse magnetic field 9—77262
Chandrasekhara, B.C., Vortmeyer, D. Flow model for velocity distribution in fixed porous beds under isothermal conditions 9—77242
Chandrasekharaiah, D.S. Mechanocaloric effect on magnetothermoelastic interactions in a cylindrical conductor carrying an electric current 9—72815
Chandrasekharan, V., Boursey, E. n=1 surface excitons and LO-TO splittings of bulk excitons in solid rare gases 9—73445
Chandrashekar, M.A. *see* Sharma, B.K. 9—56040
Chandrashekhara, K., Muthanna, S.K. Analysis of a thick plate with a circular hole resting on a smooth rigid bed and subjected to axisymmetric normal load 9—98602
Chaney, D., Ferbel, T., Slattery, P., Underwood, D., Bleser, E., Johnson, D., Gobbi, B., Lipton, R., Rosen, J., Ruchti, R., Spelbring, D. Inclusive charged-particle production in neutron-nucleus collisions 9—89308
Chaney, J. *see* Bell, M. 9—93413
Chang, A. *see* Baron, M. 9—60407
Chang, A.L., Baron, M. Particle redistribution and phase stability in ion and neutron irradiated gamma prime strengthened Fe-Cr-Ni based alloys 9—78977
Chang, A.M., Pritchard, D.E. Effects of interatomic attraction on total cross sections in curve crossing collisions 9—68297
Chang, A.T., Molinie, P., Sienko, M.J. Electric and magnetic properties of $V_xTi_{1-x}S_2$ 9—65504
Chang, A.T.C. *see* Choudhury, B.J. 9—88376
Chang, B.J., Chang, J.S., Leith, E.N. Imaging through scattering media with an achromatic interferometer 9—58778
Chang, B.J., Leith, E.N. Space-invariant multiple-grating interferometers in holography 9—76632
Chang, B.J., Leonard, C.D. Dichromated gelatin for the fabrication of holographic optical elements 9—89865
Chang, B.T.-A., Li, J.C.M. The angles of intersection of coarse shear bands in polystyrene 9—66110
Chang, C.C. *see* Barber, D. 9—54289, 9—54346
Chang, C.C. *see* Barber, D.P. 9—89175, 9—97631
Chang, C.C. *see* Chang, R.P.H. 9—77937, 9—91821
Chang, C.C. *see* Collins, M.T. 9—63649
Chang, C.C. *see* Glascock, M.D. 9—63682
Chang, C.C. *see* Hornyak, W.F. 9—63683
Chang, C.C. *see* Ventura, E. 9—63650
Chang, C.E., Wilcox, W.R., Lefever, R.A. Thermocapillary convection in floating zone melting: Influence of zone geometry and Prandtl number at zero gravity 9—66002
Chang, C.H. *see* Lee, H.C. 9—66114
Chang, C.M. *see* Reed, I.S. 9—66557, 9—83946
Chang, C.-N. L-subshell ionization cross sections for tungsten at low electron energies 9—76519
Chang, C.-P. *see* Tupaz, J.B. 9—53441
Chang, C.T. Minimum dispersion in a single-mode step-index optical fiber 9—89992
Chang, C.T. *see* Zienkiewicz, O.C. 9—57862
Chang, C.Y., Guin, J.A. Combined forced and free convection in a reverse osmosis system 9—52750
Chang, C.Y. *see* Bechis, D.J. 9—89298
Chang, C.Y. *see* Su, Y.K. 9—95482
Chang, D.C., Weng, G.J. Elastic moduli of randomly oriented, chopped-fibre composites with filled resin 9—100201
Chang, D.J. *see* Batdorf, S.B. 9—50664
Chang, E.L. *see* Allison, S.A. 9—50172
Chang, E.L. *see* Bruckner, A.P. 9—79599
Chang, F.H. *see* Couchman, J.C. 9—91906
Chang, G.C. *see* Edsinger, R.W. 9—52872
Chang, H.-C., Weinberg, W.H. Modulated molecular beam scattering from solid surfaces. The 'pulse testing' method of analysis 9—89032
Chang, H.W., Rusnak, R.M. Contribution of oxidation to the wear of carbon-carbon composites 9—52383
Chang, I.C., Katzka, P. Tunable acoustooptic filters at 10.6 microns 9—55248
Chang, J. *see* Olsen, J.N. 9—81076
Chang, J.C., Denn, M.M. An experimental study of isothermal spinning of a Newtonian and a viscoelastic liquid 9—60027
Chang, J.S., Baldwin, A.C., Golden, D.M. An explanation of the preferential formation of less stable isomers in three body reactions: $Cl+NO_2+M$; $ClO+NO_2+M$ 9—100350
Chang, J.S., Duewer, W.H., Wuebbles, D.J. The atmospheric nuclear tests of the 1950s and 1960s: a possible test of ozone depletion theories 9—70848
Chang, J.S. *see* Chang, B.J. 9—58778
Chang, J.S. *see* Wuebbles, D. 9—58013
Chang, J.-S., Ichikawa, Y., Teii, S. The effect of discharge tube shape and flow velocity on the electron temperature of a medium pressure positive column 9—64941
Chang, K.I., Pearson, G.L. Defects in as-grown and annealed $Al_xGa_{1-x}As$ single crystals 9—61422
Chang, L.K. *see* Gillette, J.L. 9—85652
Chang, L.L., Esaki, L. Semiconductor superlattices by MBE and their characterization 9—95939
Chang, L.L. *see* Bluyssen, H. 9—73430
Chang, L.L. *see* Esaki, L. 9—73570
Chang, M.S., Hou, T.W. Optical monitoring of etching in inorganic resists 9—52412
Chang, M.S. *see* Hou, T.W. 9—76629
Chang, N. *see* Wilkinson, E.C. 9—84051
Chang, R., Morris, W.L., Buck, O. Fatigue crack nucleation at intermetallic particles in alloys—A dislocation pile-up model 9—69189
Chang, R.C., Fritz, J.S. Concentration and determination of trace organic pollutants in water 9—52854
Chang, R.F., Burstyn, H., Sengers, J.V. Correlation function near the critical mixing point of a binary liquid 9—55893
Chang, R.K. *see* Benner, R.E. 9—89703
Chang, R.K. *see* Lee, E.H. 9—51996
Chang, R.K. *see* Murphy, D.V. 9—74476
Chang, R.K. *see* Webber, B.F. 9—98827
Chang, R.P.H. Some properties of plasma-grown GaAs oxides 9—66189

Chang, R.P.H., Polak, A.J., Allara, D.L., Chang, C.C., Lanford, W.A. Physical properties of plasma-grown GaAs oxides 9—77937

Chang, R.P.H., Polak, A.J., Allara, D.L., Chang, C.C., Lanford, W.A. Physical properties of plasma-grown GaAs oxides 9—91821

Chang, R.P.H. *see* Theeten, J.B. 9—79138

Chang, R.P.H. *see* Tsang, W.T. 9—65333

Chang, S.C. *see* Loganathan, K. 9—90160

Chang, S.-L., Patel, N.B., Nannichi, Y., de Prince, F.C. Determination of lattice mismatch in $Ga_{1-x}Al_xAs$ LPE layer on GaAs substrate by using a divergent X-ray source 9—82470

Chang, S.W. *see* Anthes, R.A. 9—53439

Chang, S.Y., Weinstein, H. Perturbation treatment of multiple site reactivity. II. Additivity in trimolecular interactions 9—52639

Chang, T. A new approach to the problem of superluminous velocity 9—75335

Chang, T., Kahn, A.H. Electron paramagnetic resonance intensity standard: SRM-2601; description and use 9—54164

Chang, T.N. Effect of the multichannel configuration interaction on the photoionization of KII, CaIII, ScIV, and TiV 9—93931

Chang, T.S. *see* Nicoll, J.F. 9—78395

Chang, T.S. *see* Shapira, Y. 9—61128

Chang, W.M. *see* Kuo, Y.C. 9—73777

Chang, Y. *see* Fan, L.T. 9—86503

Chang, Y.A., Hu, D.C. On the Gibbs energy interaction parameters of oxygen and nitrogen in liquid alloys 9—56961

Chang, Y.A. *see* Sharma, R.C. 9—56966

Chang, Y.-C., McGill, T.C. Ground state energies of bound exciton for all mass ratios 9—60729

Chang, Y.M., Leehey, P. Acoustic impedance of rectangular panels 9—94399

Chang, Y.P. *see* Poon, K.C. 9—94458

Chang, Y.W. *see* A-Moneim, M.T. 9—49772

Chang, Y.W. *see* Wang, C.Y. 9—49770

Chang, Y.Y., Loyalka, S.K., Timmons, D.H. Reactor fuel burnup calculations in the LASER code 9—59119

Chang Cha Ik *see* Cha Ik Chang

Chang Chao-Shie *see* He Ju 9—49432

Chang Chen *see* Chen Chang

Chang Chih-fei *see* T'ung Wei 9—79759

Chang Chih-yao, Kuo Cheng-yi Search for exotic superheavy hydrogen in terrestrial substances 9—59605

Chang Chih-yao, Tang Xiao-wei Search for super heavy elements in terrestrial substances 9—84281

Chang Chin-An *see* Chin-An Chang

Chang Ching-Feng *see* Ching-Feng Chang

Ch'ang Hai-Kuin *see* Shaskol'skaya, M.P. 9—79035

Chang Hi Hong *see* Hong Chang Hi

Chang Hsin-Kang *see* Hsin-Kang Chang

Chang Hsueh-Chia *see* Hsueh-Chia Chang

Chang Hsueh-ping *see* Chao Ke-kung 9—59718

Chang Hyun Chung, Keun Bae Oh, Kim, C.H., Yo Han Chang, Seong Yun Kim, Jin Soo Kim Nuclear design analysis of Wolsung-1 CANDU-PHW nuclear generating station 9—76060

Chang I-Dee *see* I-Dee Chang

Chang Jen-Shih *see* Jen-Shih Chang

Chang Jhy-Jiun *see* Jhy-Jiun Chang

Chang Ki Hyun The variation of silicon characteristic with radiation damage effects 9—60402

Chang Ko-yi, Su Hsiu-chun Screening loss, penetration, ionic charge effects and the calculation of ionization potential 9—94102

Chang Kok Wai *see* Kok Wai Chang

Chang Kung-Ching, Chiang Li-Shang Free boundary problems of the steady water cone in the well of a petroleum reservoir 9—50699

Chang Lee-Tzuu *see* Lee-Tzuu Chang

Chang Li-ning *see* Kuo Han-ying 9—71331

Chang Lien-fang *see* Chang Pei-lin 9—72578

Chang Mao Hsung *see* Mao Hsung Chang

Chang Ming-tao *see* T'ung Wei 9—79759

Chang Ngee-Pong *see* Ngee-Pong Chang

Chang Pei-lin, Chang Lien-fang, Yuan Soo-soo, Han Shing-fang Investigation of the frequency stabilization of a dual frequency laser 9—72578

Chang Ren-ji, Yang Wei-sheng Investigation of the lower resistance meridian. II. The distribution of lower resistance meridians in normal individials 9—79717

Chang Ren-ji *see* Yang Wei-sheng 9—79716

Chang Shau-Jin *see* Shau-Jin Chang

Chang Shih-Lin *see* Shih-Lin Chang

Chang Shu-yuen The fissure of Kirin meteorite 9—80280

Chang Shu-yuen Brief introduction to Shuang Yang shower 9—80281

Chang Sub Chung *see* Chung Chang Sub

Chang Sung-Sheng *see* Sung-Sheng Chang

Chang Tzu-Hsien *see* Wu Jing-Yuan 9—49503

Chang Van *see* Van Chang

Chang Wei *see* Wei Chang

Chang Xin *see* Zhou Jing 9—74178

Chang Yo Han *see* Yo Han Chang

Chang Yu-Ming *see* Teng Chi-Tung 9—62478

Chang-Bin Wang *see* Wang Chang-Bin

Chang-chao Chen *see* Chen Chang-chao

Chang-chun Yao *see* Yao Chang-chun

Chang-de Gong *see* Gong Chang-de

Chang-He Shi *see* Shi Chang-He

Chang-Lin Tien *see* Bejan, A. 9—68698

Chang-ling Liu *see* Liu Chang-ling

Chang-ta Tai *see* Tai Chang-ta

Changde Gong *see* Gong Changde

Changery, M. *see* Potter, T.D. 9—62571

Changery, M.J. *see* Simiu, E. 9—88457

Chanin, L.M. *see* Metze, A. 9—79261

Chanin, L.M. *see* Sery, G.E. 9—60096

Chanin, M.L., Tulinov, G.F. The polar thermospheric temperature behavior during the 11-year solar cycle 9—53595

Chankin, Yu.F. *see* Ankilov, A.N. 9—93270

Chanmugam, G. Adiabatic stability of toroidal magnetic fields in differentially rotating stars 9—66998

Channell, J.E.T. Dual magnetic polarity measured in a single bed of Cretaceous pelagic limestone from Sicily 9—53306

Channell, J.E.T., De Zanche, V., Sedea, R. Reappraisal of palaeomagnetism of the Colli Euganei and Monti Lessini volcanics (Italy) 9—66613

Channin, D.J. Effect of gain saturation on injection laser switching 9—86180

Chanon, M. *see* Barone, R. 9—52653

Chanowitz, M.S., Furman, M.A., Hinchliffe, I. Weak interactions of ultra heavy fermions (II) 9—75713

Chant, N.S., Roos, P.G., Kitching, P., Antonuk, L. Spin-orbit effects in medium-energy (p,2p) reactions 9—89222

Chant, N.S. *see* Karaoglan, E. 9—76011

Chant, N.S. *see* Nadasen, A. 9—67650

Chantikul, P. *see* Marshall, D.B. 9—100245

Chantovorapap, S. Solar energy programmes of Thailand 9—57375

Chantrell, R.W. *see* Tari, A. 9—87293

Chanut, J.P., Poulet, S.A. Distribution of size spectra of particles in suspension in the Saguenay fjord 9—92543

Chao, A.W. Evaluation of beam distribution parameters in an electron storage ring 9—54725

Chao, A.W., Early, R.A., Fox, J.D., Gromme, A.E., Helm, R.H., Howry, S.K., King, A.S., Lee, M.J., Melen, R.E., Altman, A.F., Belshe, R.A., Clinnick, M.L., Donald, M.H., Dwinell, R.D. PEP computer control system 9—72208

Chao, A.W., Morton, P.L., Rees, J.R. Single feedback systems for simultaneous damping of horizontal and longitudinal coherent oscillations 9—72075

Chao, C.C. *see* Annamalai, N.K. 9—77940

Chao, C.-M. Nonlinear inversion techniques in combustion flame temperature measurements 9—85140

Chao, E.Y. Theoretical justification of triaxial goniometer for the measurement of human joint rotation 9—92417

Chao, E.Y. *see* An, K.N. 9—92276

Chao, J., Mikic, B.B., Todreas, N.E. Neutronic performance of fusion reactor blankets with different coolants and structural arrangements 9—81087

Chao, K.A., Ferreira da Silva, A. Generalized Matsubara-Toyozawa theory for the specific heat in heavily-phosphorus-doped silicon 9—73321

Chao, K.A., Ferreira da Silva, A. Specific heat of heavily P doped Si 9—95182

Chao, K.A. *see* Spalek, J. 9—61036

Chao, K.C. *see* Sebastian, H.M. 9—65177

Chao, K.N., Eisley, J.G., Wei-Jei Yang Heat and water migration through normal skin. I. Steady state 9—88056

Chao, K.N., Eisley, J.G., Wen-Jei Yang Heat and water migration through normal skin. II. Unsteady state 9—92155

Chao, R.S. *see* Jasse, B. 9—73920

Chao, R.Shih-Liang *see* Shih-Liang Chao, R.

Chao, S.S. *see* Vook, R.W. 9—82493

Chao Bo-lin, Du Jin-lin, Liu Shi-da, Yin hong, Hu Ceng-da, Wang yi-ju, Shi Shu-min, Zhou Li-zen, Sao Gen-jin The characteristics of the microwave radiometry used in remote sensing atmospheric temperature profile 9—80188

Chao Chi Chiang *see* Chiang Chao Chi

Chao Chia-chi *see* Chao Ke-kung 9—59718

Chao Hseuh-chuang Chemical application of field theory. I. The conservation of orbital symmetry 9—63884

Chao Jih-ping *see* Wu Rurng-sen 9—84447

Chao Jiping, Ji Jinjun, Zhu Zhihui, Lu Yuehua, Liang Youlin, Ho Jiahua, Lee Weiliang, Zhong Qiang, Wu Shijie, Pan Huasheng A filtering method for long-range numerical weather forecasting 9—84446

Chao Ke-kung, Chang Hsueh-ping, Chao Chia-chi, Li Cheng-hsian Methane saturated absorption stabilized He-Ne laser 9—59718

Chao Tsao-fan Studies on standard addition method in ion-selective electrodes. An equation to calculate and plot a nomograph involving ΔE 9—83467

Chao Tsao-fang Studies on standard addition method in ion-selective electrode. An equation and a plot involving ΔpX 9—83468

Chao Yung-An *see* Yung-An Chao

Chao-bo Cheng *see* Cheng Chao-bo

Chao-chun Qu *see* Qu Chao-chun

Chao-fan Yu *see* Yu Chao-fan

Chao-hao Gu *see* Gu Chao-hao

Chao-Shie Chang *see* Chang Chao-Shie

Chao-tun Pu *see* Pu Chao-tun

Chao-yi Xu *see* Xu Chao-yi

Chao-Yong Hsu *see* Hsu Chao-Yong

Chap, A.W. Estimate of spin polarization for the electron storage rings SPEAR and PEP 9—72093

Chapelle, J. *see* Glasser, J. 9—60113

Chapelle, J.P. *see* Cao Xuan An 9—87453

Chapellier, M. Heat transfer between Ce salts and dilute ^{3}He below 50 mK 9—51413

Chapellier, M., Chiba, M., Rotter, M. Heat transfer between sapphire (Al_2O_3:Fe^{3+}) and dilute ^{3}He at very low temperature 9—56003

Chapellier, M. *see* Chiba, M. 9—65757

Chapellier, M. *see* Godfrin, H. 9—51371

Chapin, D.L. *see* Chi, J.W.H. 9—85789

Chapin, D.L. *see* Sink, D.A. 9—76142

Chapkanov, S.K. *see* Gdalevich, G.L. 9—84566

Chapkovskiy, I.M. *see* Skidan, S.A. 9—62617

Chapkunov, S.K. *see* Gogoshev, M.M. 9—58146

Chapliev, N.I. *see* Ageev, V.P. 9—86616, 9—91540

Chapliev, N.I. *see* Arzuov, M.I. 9—52052

Chaplik, A.V. *see* Krasheninnikov, M.A. 9—78032

Chaplikas, P.P. *see* Valis, A.S. 9—81396

Chaplin, D.H. *see* Foster, H.R. 9—65780

Chaplin, D.H. *see* Wantenaar, G.H.J. 9—61072

Chaplygin, V.I., Bezotosnyi, V.F., Shamin, P.A. Instrument for inspecting mechanical-stress concentrations in ferromagnetic materials 9—87771

Chaplygin, Yu.A. *see* Romanov, V.P. 9—87159

Chapman, C.C., Buelt, J.L. A continuous glass melter for immobilization of radioactive waste 9—59214

Chapman, C.H. On impulsive wave propagation in a spherically symmetric model 9—74849

Chapman, C.H. *see* Dey-Sarkar, S.K. 9—84492

Chapman, D.S. *see* Ward, S.H. 9—84260

Chapman, G. *see* Kasper, P. 9—93447

Chapman, G. *see* Loferski, J.J. 9—56866

Chapman, G.D. *see* Joshi, C.J. 9—86610

Chapman, G.E. *see* Golecki, I. 9—69378

Chapman, G.H., Shewchun, J., Loferski, J.J., Garside, B.K., Beaulieu, R. Lattice constants and band-gap variations of the pentenary semiconductor system $Cu_{1-y}Ag_yInS_{2(1-x)}Se_{2x}$ 9—78000

Chapman, G.J. *see* Rangaswamy, T.N. 9—54351

Chapman, I.A. *see* Watts, B.R. 9—65360

Chapman, J.A. *see* Chapman, R.M. 9—79503

Chapman, J.D., Doern, S.D., Reuvers, A.P., Gillespie, C.J., Chatterjee, A., Blakely, E.A., Smith, K.C., Tobias, C.A. Radioprotection by DMSO of mammalian cells exposed to X-rays and to heavy charged-particle beams 9—79609

Chapman, J.M. *see* Ayrey, G. 9—68145

Chapman, J.N., Batson, P.E., Waddell, E.M., Ferrier, R.P. The direct determination of magnetic domain wall profiles by differential phase contrast electron microscopy 9—61195

Chapman, J.N., Crawford, L.W., Dicks, J.B. Economic optimization of the coal-fired MHD steam power plant 9—52942

Chapman, J.N., Martin, J.F., Muehlhauser, J.W., Petersen, C.K., Wu, Y.C.L., Dicks, J.B. Design studies and trade-off analysis for a superconducting magnet/MHD power generator system 9—52950

Chapman, J.N. *see* Strom, S.S. 9—52947

Chapman, J.N. *see* Waddell, E.M. 9—97476

Chapman, K.R. *see* Cutler, R.I. 9—93857

Chapman, L.D., Grady, L.M., Bennett, H.A., Sasser, D.W., Engi, S. Safeguards automated facility evaluation (SAFE) methodology [nuclear facilities] 9—85674

Chapman, R., Hobson, J.P. Sensitivity to various gases of Granville-Phillips vacuum gauge, series 275, convectron 9—93156

Chapman, R.A. Excitation-contraction coupling in cardiac muscle 9—96547

Chapman, R.D., Neupert, W.M. The high-temperature corona associated with a loop prominence system 9—53782

Chapman, R.L. *see* Fan, J.C.C. 9—79390

Chapman, R.M., McCrary, J.W., Chapman, J.A. Short-term memory: the 'storage' component of human brain responses predicts recall 9—79503

Chapman, R.W. *see* Doblar, D.D. 9—100652

Chapman, T. Jacobians and curvilinear metrics 9—62961

Chapman, V.B., Marwaha, A.S., Collins, A.J. An investigation into the effects of oxygen on the magnetic and structural properties of Ni-Fe thin films evaporated onto glass substrates 9—90903

Chapman, W.A. *see* McGregor, J. 9—79976

Chapnik, I.M. Sensitive detection of superconductivity by change in penetration depth of electromagnetic fields in thin metal foils 9—56372

Chapnik, I.M. Penetration of electromagnetic fields through thin layers of tin 9—65598

Chapnik, I.M. On the empirical correlation between the superconducting T_c and the Hall coefficient 9—78247

Chapnik, I.M. Aluminides of non-magnetic transition metals 9—82178

Chaporova, I.N., Kudryavtseva, V.I., Sapronova, Z.N. Structure and properties of a hard alloy based on tungsten carbide with Fe-Ni binder 9—79007
Chapoton, A. *see* Curru, J.-C. 9—51903
Chapoy, L.L., DuPre, D.B. Polarized fluorescence measurements of orientational order in a uniaxial liquid crystal 9—55655
Chappel, M.G., Jr. *see* Stotts, L.B. 9—62576
Chappell, J. *see* Thom, B.G. 9—84295
Chappell, M.J. *see* Lewis, G. 9—74290
Chappell, T.I. The V-groove multijunction solar cell 9—100519
Chappert, C., Beauvillain, P., Renard, J.-P., Knorr, K. Low temperature AC susceptibility of amorphous holmium aluminosilicate $(Al_2O_3)_{0.2}(Ho_2O_3)_{0.2}(SiO_2)_{0.6}$. Frequency dependence of the spin freezing temperature 9—82808
Chappert, J., Teillet, J., Varret, F. Recent developments in high field Mossbauer spectroscopy 9—73863
Chappert, J. *see* Massenet, O. 9—51888
Chappuis, G., Harmelin, M., Quivy, A., Lehr, P. Thermodynamic study of martensitic transformation $\gamma \rightarrow \alpha'$ and inverse transformation $\alpha' \rightarrow \gamma$ in high-purity iron-nickel alloys 9—52214
Chapuis, G. *see* Depmeier, W. 9—60346
Chapuis, G. *see* Kind, R. 9—99313
Chapuisat, X. Is there any physical meaning in visualizing the atomic motion of a constrained molecule on a polydimensional potential energy surface? The problem of the masses 9—59378
Charach, C. Electromagnetic Gowdy universe 9—88774
Charach, Ch., Malin, S. Cosmological model with gravitational and scalar waves 9—53949
Charak, I. *see* Stacey, W.M., Jr. 9—71967
Charakhch'yan, A.A. A variant of a fully conservative scheme for equations of gas dynamics 9—50755
Charakhch'yan, A.N., Bazilevskaya, G.A., Stochkov, Yu.I., Charakhch'yan, T.N. Total magnetic field of the Sun as a source of modulation of cosmic rays 9—80131
Charakhch'yan, A.N., Bazilevskaya, T.N., Stozhkov, Yu.I., Charakhch'yan, T.N. Variation of latitude effects of cosmic rays in the atmosphere with time 9—84601
Charakhch'yan, T.N. Effect of the total magnetic field of the Sun on cosmic-ray modulation in the mid-latitude stratosphere 9—62696
Charakhch'yan, T.N. *see* Charakhch'yan, A.N. 9—80131, 9—84601
Charalambous, St. *see* Papastefanou, C. 9—62161
Charan, S., Konagai, M., Takahashi, K. Series resistance effects in (GaAl)As/GaAs concentrator solar cells 9—57427
Charap, S.H. *see* Artman, J.O. 9—78528
Charbaur, J.-J. Guaranteed characteristics of steel bars after drawing 9—91662
Charbonnel, J.-Y., Mohamed Salah Khalgui Polarisation for certain types of Lie groups 9—53959
Charbonnier, F., Faure, R., Loiseleur, H. Double conformation of methanedisulphonato group in the interior of silver (I) methanedisulphonate. crystal: $Ag_2(SO_3CH_2SO_3)$ 9—90633
Charbonnier, J.C. *see* Berneron, R. 9—52839
Charchyan, G.Z. *see* Voronin, Yu.V. 9—52496
Chardon, J.C., Genty, C., Guichon, D., Miller, J.J., Piranda, J., Theobald, J.G. Saturation effects on a molecular beam irradiated with a stationary wave 9—81247
Chardon, J.C., Genty, C., Miller, J.J., Theobald, J.G. Spatio-temporal modulation in molecular beam spectroscopy 9—49299
Chardonnet, E. The progress of the construction of the pressurized water nuclear power stations PWR 900 MW 9—63801
Chargeishvili, M.S. *see* Abesalashvili, L.N. 9—80856
Charkowski, D. *see* Fischer, L.J. 9—74450
Charlan, G.B. *see* Chen, T. 9—91259
Charlan, G.B. *see* Tu Chen 9—82837
Charle, K.-P. *see* Muller, N. 9—73558
Charles, J.A. *see* Bastian, F.L. 9—66155
Charles, M.E. *see* Watson, A.P. 9—86528
Charles, P., Thorstensen, J., Bowyer, S., Middleditch, J. 2A 0526—328: an X-ray-emitting cataclysmic variable 9—97103
Charles, P. *see* Cash, W. 9—97035, 9—101160
Charles, P.A., Kahn, S.M., Bowyer, S., Blissett, R.J., Culhane, J.L., Cruise, A.M., Garmire, G. The interstellar oxygen edge in the X-ray spectrum of the Crab Nebula 9—67079
Charles, P.A., Mason, K.O. Soft X-ray emission from 2A 0311—227, an AM Herculis-type system 9—101219
Charles, P.A. *see* Mason, K.O. 9—71093
Charles, P.A. *see* Tuohy, I.R. 9—62892
Charles, S.W. *see* Tari, A. 9—87293
Charlesby, A. *see* Bridges, B.J. 9—87624
Charlesby, A. *see* Folland, R. 9—69738, 9—69739
Charlesworth, J.M. Mechanical relaxations in episulfide network polymers 9—96061
Charlot, L.A. *see* Brimhall, J.L. 9—65128
Charlton, C.P., Fryer, R.J., Wilson, J.W.G., Simnett, G.M. The control of a hard X-ray imaging spectrometer on board the SMM using two mutually redundant microprocessors 9—80194
Charlton, D., Reitz, P.R. Avoiding common pitfalls in optical waveguide measurements 9—94367
Charlton, M.N. *see* Manning, P.G. 9—74917
Charman, J.C., McNulty, G.J. A study on noise emitted from power hacksaw machines 9—68482
Charman, W.N. Ball lightning 9—92577
Charman, W.N., Heron, G. Spatial frequency and the dynamics of the accommodation response 9—53134
Charman, W.N. *see* Jennings, J.A.M. 9—83766
Charnay, G. *see* Lance, M. 9—72925
Charnaya, E.V., Shutilov, V.A. Mechanism of nuclear quadrupole spin-phonon interaction in impure crystals 9—95674
Charneau, R. *see* Dubost, H. 9—91486
Charpak, G., Majewski, S., Melchart, G., Sauli, F., Ypsilantis, T. Detection of far-ultraviolet photons with the multistep avalanche chamber. Application to Cherenkov light imaging and to some problems in high-energy physics 9—93871
Charpak, G., Sauli, F. Multiwire proportional chambers and drift chambers 9—72195
Charpak, G. *see* Breskin, A. 9—49904
Charpentier, P. *see* Badier, J. 9—93460
Charreire, Y. *see* Leskela, M. 9—64957
Charrett, E.P. Purification of industrial liquid wastes and by-product recovery 9—83648
Charrier-Mojtabi, M.C., Mojtabi, A., Caltagirone, J.P. Numerical solution of a flow due to natural convection in horizontal cylindrical annulus 9—81880
Charroin, G. *see* Sabatier, R. 9—69068
Charry, E. *see* Goncalves, N.F. 9—99597
Charsley, P., Shimmin, A.F. Electrical resistance changes of cyclically deformed Cu-10% Ni and Cu-30% Ni 9—57096
Chart, T., Putland, F. A thermodynamically calculated phase diagram for the Co-Cr-Zr system 9—91617
Charters, W.W.S. *see* Kay, H.K. 9—62055
Charters, W.W.S. *see* Ohanessian, P. 9—57414, 9—62143
Charters, W.W.S. *see* Taylor, L.E. 9—57439
Chartier, D. *see* Razavi, F.S. 9—56115
Chartier, D. *see* Scholz, G.A. 9—65465
Chartier, J.-M., Garreau, C. Salvage of defunct He-Ne laser tubes 9—94247
Charushnikova, G.A. *see* Ovchinnikov, V.V. 9—74235
Charvillat, J.P. *see* Hery, Y. 9—65641
Chary, M.N., Sastry, B.A. ESR and optical absorption studies on two copper(II) Schiff-base complexes in solutions 9—65892
Charykov, N.A. *see* Vasil'yev, V.I. 9—67290
Chasan, B. *see* Milder, F.L. 9—59049
Chase, L.F. *see* Pronko, J.G. 9—76280, 9—81125, 9—93880
Chase, L.L., Peyghambarian, N., Grynberg, G., Mysyrowicz, A. Evidence for Bose-Einstein condensation of biexcitons in CuCl 9—56138
Chashchin, V.S. *see* Ostrovskii, Yu.I. 9—68369
Chashei, I.V. *see* Lotova, N.A. 9—96879
Chashey, I.V., Shishov, V.I. Interplanetary plasma turbulence 9—53693
Chashin, B.B. *see* Belousova, V.V. 9—81326
Chashnikov, D.I., Shekalov, B.I. Quantitative evaluation of deformability of materials 9—52229
Chason, M.K. *see* Smedskjaer, L.C. 9—91523
Chasovitin, Yu.K., Shushkova, V.B. Model of the effective recombination coefficient for the mid-latitude ionosphere 9—62652
Chassagne, D. *see* Donaldson, S.S. 9—88156
Chassagne, G. *see* Marichy, G. 9—65907
Chassagne, G. *see* Treilleux, M. 9—51163, 9—82342, 9—86888
Chassaing, G. *see* Gravier, P. 9—78781
Chassaing, P. *see* Minh, H.Ha. 9—50706
Chassery, J.M. *see* Adelh, D. 9—88223
Chastagner, F., Soulard, M., Kessler, H., Hatterer, A. Special cell for high temperature X-ray analysis of reactive substances: Application to the study of K_2O and Rb_2O 9—68978
Chastell, D.J., Flewitt, P.E.J. The formation of the σ phase during long term high temperature creep of type 316 austenitic stainless steel 9—74157
Chastokolenko, P.P. *see* Samsonov, G.V. 9—57156
Chaston, S.H.H. Double scales for equilibria (teaching) 9—84908
Chatain, D. *see* Berticat, P. 9—69768
Chatain, D. *see* Lacabanne, C. 9—69186, 9—78613
Chatain, D. *see* Monpagens, J.C. 9—69185
Chatainier, G., Petit, J.A., Dabosi, F. Cathodic behaviour of zirconium and its alloys in concentrated hot sulphuric media 9—52423
Chatani, A., Hojo, A. On the impact torsional test by means of a dropped bar 9—100304
Chatard-Moulin, M., Papiernik, A. Energy losses of an electron bunch moving along the axis of a circular waveguide with periodically perturbed wall 9—76564
Chatburn, G. Pitfalls in criticality safety calculations and experiences in operations 9—63769
Chatburn, G. *see* Anderson, D.W. 9—63791
Chatel, B. Some solar energy programs in the United Nations System 9—57361
Chatel, P.F.de *see* de Chatel, P.F.
Chatelain, P., Onel, Y., Viennet, R., Weber, J. nd elastic differential cross section at 2.48 and 3.28 MeV and related phase shift analyses 9—75992
Chatelus, Y. *see* Bourquin, M. 9—71768
Chatillon, C. *see* Martin-Garin, L. 9—52740
Chato, J.C., Dali, T.R. Configurational effects on heat transfer in porous, gas-filled cryogenic insulations 9—58734
Chato, J.C. *see* Shitzer, A. 9—62197
Chatrchyan, A.M. *see* Akimov, Yu.K. 9—49525
Chattejee, S.N. *see* Dube, R.K. 9—96752
Chatterjee, A. *see* Alonso, J.R. 9—72129
Chatterjee, A. *see* Chapman, J.D. 9—79609
Chatterjee, A. *see* Ghosh, B. 9—95401
Chatterjee, A. *see* Magee, J.L. 9—52700
Chatterjee, A.K., Debnath, L. Double boundary layers in oscillatory convective flow 9—81874
Chatterjee, A.K. *see* Callaway, J. 9—61078
Chatterjee, A.P. *see* Troxell, J.R. 9—82201
Chatterjee, B. Relation of anharmonicity to allotropic transformations in metals 9—52207
Chatterjee, B. On the nature of some electrochemical reactions on metallic surfaces 9—83387
Chatterjee, D.K., Mendiratta, M.G., Lipsitt, H.A. Deformation behaviour of single crystals of titanium carbide 9—100211
Chatterjee, D.S. *see* Saran, T. 9—52786
Chatterjee, I. Correlated-effective-field theory for an effective spin-1/2 system 9—73759
Chatterjee, I. *see* Barber, P.W. 9—70580
Chatterjee, L. Energy levels of a muonic atom 9—76533
Chatterjee, M.L., Cheung, H.C., Cujec, B. Total reaction cross section for the $^9Be+^{10}B$ system at sub-Coulomb energies 9—80950
Chatterjee, N. Carbon-13 NMR studies of camphene in the plastic crystalline phase 9—95667
Chatterjee, N. *see* Ghosh, B. 9—95401
Chatterjee, P. *see* Chowdhuri, J. 9—51478
Chatterjee, R., Dixon, J.M. Comment on the Wigner 9-j symbol 9—97229
Chatterjee, R., Lulek, T. Origin of the spin-orbit interaction 9—91008
Chatterjee, S. *see* Chowdhuri, J. 9—51478, 9—82512
Chatterjee, S. *see* Sarkar, R.L. 9—99479
Chatterjee, S. *see* Sinha, P. 9—65817
Chatterjee, S.N., Kulkarni, S.V. Effects of environment, damping and shear deformations on flutter of laminated composite panels 9—72841
Chatterjee, S.N., Kulkarni, S.V. Shear correction factors for laminated plates 9—76963
Chatterjee, U.K. *see* Nath, A.K. 9—94206
Chatterjee-Das, J.M. *see* Bhattacharyya, P. 9—67713
Chatterji, A.C., Agarwal, S.S. Studies in inorganic polyphosphates. IX. A comparative study of the crystal structure of various condensed phosphates 9—55721
Chatterji, M. *see* Talukdar, B. 9—81253
Chatters, G.C. *see* Kuhlow, W.W. 9—79954
Chattopadhyay, A. On the generation of G type seismic waves 9—66624
Chattopadhyay, A., Katz, S.A. Determination of 22 elements in geological samples by instrumental neutron activation analysis 9—53550
Chattopadhyay, D. *see* Sarkar, C.K. 9—51619, 9—56250, 9—91088, 9—95436
Chattopadhyay, D. *see* Sutadhar, S.K. 9—60857
Chattopadhyay, K., Ramachandrarao, P. Metastable phase formation and decomposition in a rapidly solidified aluminium-platinum alloy 9—52194
Chattopadhyay, K. *see* Tiwari, S.K. 9—61622
Chattopadhyay, P. A finite sum representation of the angular momentum projection operator 9—92993
Chattopadhyay, P., Dreizler, R.M. Numerical aspects of angular momentum projection for rotational nuclei 9—63575
Chattopadhyay, R.K. *see* Bhattacharyya, P. 9—67713
Chattopadhyay, S. Magnetoelastic instability of structures carrying electric current 9—73789
Chattopadhyay, S.N. Instruments for solar radiation and wind power measurement 9—57404
Chattopadhyaya, S.K. *see* Priyokumar Singh, S. 9—90911
Chattophadhyay, P.K. *see* Li, C.T. 9—63579
Chaturani, P., Upadhya, V.S. Pulsatile flow of a couple stress fluid through circular tubes with applications to blood flow 9—62275
Chaturvedi, A.K., Tandon, P.N., Singh, O.P. MHD fluctuating flow and heat transfer in an elastico-viscous fluid past an infinite porous flat plate 9—90342
Chaturvedi, C.V., Pratap, S. Equations of state and the evaluation of isothermal compressibility and related thermodynamic properties for hard-sphere liquids 9—73285
Chaturvedi, D.K. *see* Dubey, G.S. 9—82143
Chaturvedi, D.K. *see* Kahol, P.K. 9—55645
Chaturvedi, M.C. *see* Omichinski, G.M. 9—60380

Chaturvedi, M.C. *see* Pathak, S.K. 9—77070
Chaturvedi, P.K., Ossakow, S.L. Nonlinear stabilization of the E×B gradient drift instability in ionospheric plasma clouds 9—58162
Chaturvedi, P.K. *see* Ossakow, S.L. 9—53643, 9—70907
Chaturvedi, R. *see* Dutta, H.N. 9—88527
Chatwani, A.U. Monte Carlo simulation of nozzle beam expansion 9—94675
Chatwin, P.C., Sullivan, P.J. The relative diffusion of a cloud of passive contaminant in incompressible turbulent flow 9—50774
Chatwin, P.C., Sullivan, P.J. Measurements of concentration fluctuations in relative turbulent diffusion 9—94602
Chau, C.C., Li, J.C.M. Some observations of coarse shear bands in polystyrene 9—70117
Chau, C.C., Li, J.C.M. Intersections of coarse shear bands in polystyrene 9—100212
Chau, W.Y. *see* Chan, K.L. 9—67117
Chau Wang, L.-L. *see* Prasad, M.K. 9—97503
Chau Wang Ling-Lie *see* Ling-Lie Chau Wang
Chaubey, U.S. Mass transfer in TV Cassiopeiae 9—84818
Chaubey, U.S. Emission from the head of Comet Bradfield (1978c) 9—96971
Chaubey, U.S. Loss of orbital angular momentum in close binary systems during their evolution 9—97033
Chaudhari, P. Plastic properties of polycrystalline thin films on a substrate 9—82505
Chaudhari, P., Cuomo, J.J., Gangulee, A., Kobliska, R.J. Magnetic position sensor method and apparatus 9—80603
Chaudhari, P. *see* Jenkins, D.A. 9—61332
Chaudhari, P. *see* Laibowitz, R.B. 9—65614
Chaudhari, P.K. *see* Bhattacharyya, A.B. 9—65552
Chaudhari, R.T. *see* Joshi, R.V. 9—87513
Chaudhary, R.C. *see* Verma, P.D. 9—68759
Chaudhri, M.A. Yields of cyclotron produced medical isotopes: A comparison of theoretical potential and experimental results 9—57776
Chaudhri, M.A. Determination of calcium and phosphorus in small bone biopsies by activation with cyclotron produced neutrons 9—88154
Chaudhri, M.A., Chughtai, N.A., Afzal, A.U. Separation of magnesium, calcium, strontium and barium by circular thin layer chromatography 9—66385
Chaudhri, M.A., Templer, H., Rouse, J.L. The $^{7}Li(P,N)^{7}Be$ reaction as a source of fast neutrons for smaller compact cyclotrons 9—57755
Chaudhry, M.M. A new rechargeable cell with plaster of Paris 9—96433
Chaudhuri, B.B. Sensitivity analysis of optical waveguides 9—76833
Chaudhuri, K.D., Verma, B.M. Dislocation damping and the ultrasonic attenuation in tin 9—95086
Chaudhuri, N.K., Natarajan, V., Sampathkumar, R., Sagu, M.L., Iyer, R.H. Measurement of fission cross sections and fragment angular distributions using solid state track detectors 9—76300
Chaudhuri, S., Ghosh, D., Pal, A.K. Magnetic susceptibility of ferromagnetic films of copper-nickel alloy 9—95615
Chaudhuri, S.K. *see* Sinha, A.K. 9—93753
Chaudhuri, S.R. Oscillatory shearing in hypoelastic solid 9—88810
Chaudri, M.Anwar *see* Anwar Chaudri, M.
Chauffoureaux, J.C., Dehennau, C., Van Rijckevorsel, J. Flow and thermal stability of rigid PVC 9—64618
Chaumeaux, A. *see* Bertini, R. 9—63623, 9—85565
Chaumont, J. *see* Ruault, M.O. 9—90705
Chaung, H.E. *see* Pednekar, S.P. 9—100287
Chaurasia, V.B.L. Application of H-function of two variables in heat conduction 9—94450
Chaussemy, G. Viscosity, hard sphere diameter and interionic potential for liquid lead 9—77797
Chaussy, J. *see* Berton, A. 9—87271
Chauvaux, R., Meessen, A. Multipole oscillations in small hemispherical particles 9—78774
Chauvel, A. *see* Breelle, Y. 9—74512
Chauvet, G. Mathematical study of flow in a non-symmetrical bronchial tree: application to asynchronous ventilation 9—70573
Chauvet, G. *see* Six, P. 9—100565
Chauveteau, G. *see* Moan, M. 9—60033
Chauville, J. *see* Amiot, C. 9—63999
Chauvin, J. *see* Buenerd, M. 9—71828
Chaux, R., Boquillon, J.P. Diameter measurements of Fabry-Perot interference rings using CCD linear sensors 9—93210
Chavance, M., Samson-Dollfus, D. EEG spectral analysis in normal children aged 6-16 years. Search and validation of most significant parameters 9—70653
Chavarria, C., Appenzeller, I., Bertout, C. Radial velocities of emission and absorption lines in the spectrum of the unusual T Tauri Star V1331 Cyg 9—71045
Chavarria, C. *see* Carrasco, L. 9—92788
Chave, A. *see* Berrue, J. 9—50844
Chave, A. *see* le Duff, Y. 9—98174
Chave, A.D., Denham, C.R. Climatic changes, magnetic intensity variations and fluctuations of the eccentricity of the Earth's orbit during the past 2000000 years and a mechanism which may be responsible for the relationship—A discussion 9—88466
Chavent, G. *see* Bamberger, A. 9—84490
Chaves, A.S., Blinc, R. Strain decoration of dislocations and the static central peak in ferroelastic systems 9—99263
Chavuser, G.Sh. *see* Morozov, P.A. 9—80614
Chawla, K.K., Liaw, P.K. Nucleation and propagation of fatigue cracks in Al-304 stainless steel laminate composite 9—100244
Chawla, S.L. *see* Bhanot, D. 9—83390
Chazen, M.L. *see* Hager, G.D. 9—81449
Che, M., Fournier, M., Launay, J.P. The analog of surface molybdenyl ion in Mo/SiO_2 supported catalysts: the isopolyanion $Mo_8O_{19}^{4-}$ studied by EPR and UV-visible spectroscopy. Comparison with other molybdenyl compounds 9—99764
Che Kim Yong *see* Yong Che Kim
Che Tseng Hsein *see* Hsein Che Tseng
Che-Ming Ko Effect of tunneling on the one-body proximity friction 9—67724
Che-Tsung Chen, Kim, D.M., von der Linde, D. Efficient hologram recording in $LiNbO_3$:Fe using optical pulses 9—55081
Cheary, R.W., Grimes, N.W. An X-ray diffraction investigation of chromium-substituted lithium ferrite 9—73178
Chebaevskii, B.P. Constructing limiting diagrams taking into consideration the defectiveness of the material 9—81730
Chebaevskii, B.P., Solyanik, A.S. Correlation between microhardness and macrostress intensity of metals under plastic strain 9—87708
Chebanenko, A.P. *see* Serdyuk, V.V. 9—78208
Chebanenko, S.I. *see* Kazimirov, V.P. 9—73412
Cheborin, O.G. *see* Bandurin, V.V. 9—75329
Chebotaev, N.M. *see* Samokhvalov, A.A. 9—69715
Chebotaev, V.P. Use of ultranarrow resonance in spectroscopy and for stabilizing gas laser frequencies 9—59775
Chebotaev, V.P. *see* Bagaev, S.N. 9—68295
Chebotaev, V.P. *see* Beterov, I.M. 9—66326
Chebotaev, V.P. *see* Vasilenko, L.S. 9—68375
Chebotarev, A.P. *see* Gavrilenko, V.I. 9—78018
Chebotarev, L.V. Surface waves in low-dimensional crystals 9—73388
Chebotarev, L.V. *see* Kaner, E.A. 9—69333
Chebotarev, N.F., Pshezhetskii, S.Ya. Characteristics of $DF \rightarrow CO_2$ energy transfer in chemical lasers utilizing chlorine fluorides 9—94225
Chebotarev, N.F. *see* Bashkin, A.S. 9—89903
Chebotarev, N.F. *see* Kolchin, Yu.A. 9—89900
Chebotarev, N.F. *see* Kozlov, Yu.I. 9—89901
Cheburkin, N.V. *see* Glotov, E.P. 9—59668
Checcacci, P.F. Short distance application of optical fibres in Italy 9—50369
Checchia, P. *see* Blietschau, J. 9—93396
Chechenin, N.G. *see* Andersen, J.U. 9—85568
Chechenin, N.G. *see* Tulinov, A.F. 9—82269
Chechetkin, Yu.V. *see* Kizin, V.D. 9—63737
Chechik, R. *see* Breskin, A. 9—93884
Chechin, V.A., Ermilova, V.K. Transition-radiation energy distribution 9—63397
Chechin, V.A. *see* Alikhanian, A.I. 9—49422
Chechkin, V.V. *see* Bush, A.A. 9—51913
Chechko, V.N., Kul'bakh, A.A., Semenov, B.D. Unit for low cycle testing in vacuum at high temperature 9—52503
Chechotka, V.V., Fedorenko, A.I. Application of difference cylindrical functions to problems of electrodynamics in multilayer structures 9—68354
Chee, K.T., Girouard, F.E., Truong, V.V. Optical behavior of yttrium films in ultrahigh vacuum 9—78767
Chee, K.T., Keowsim, T., Weichman, F.L. Electroluminescence from single crystal Cu_2O diodes 9—83034
Chee, L.C. *see* Chew, C.K. 9—89124
Chee Tung Acceleration forces generated by an oscillating air bubble 9—54546
Chee-Seng Lim *see* Lim Chee-Seng
Cheeke, D., Ettinger, H. The Kapitza resistance and phonon reflectivity between solids and liquid helium 9—86941
Cheema, L.S., Castor, S.E. Low cost cooling of popular houses in Brazil 9—62132
Cheetham, A.K. *see* Battle, P.D. 9—99681
Cheglokov, A.E. *see* Makushkin, Yu.S. 9—63982
Chegnov, V.P. *see* Sobolev, V.V. 9—99967
Cheishvili, O.D. Fluctuation diamagnetism of 'contaminated' superconductors 9—51721
Chekalov, V.V. *see* Smirnov, L.P. 9—77187
Chekan, A.V. *see* Zaitsev, S.V. 9—55226, 9—76850
Chekanov, S.Ya. *see* Polyakov, L.M. 9—52525
Chekanova, L.A., Iskhakov, R.S., Khlebopros, R.G., Chistyakov, N.S., Fish, G.I. Characteristics of crystallization of metallic $Co_{1-x}P_x$ glasses 9—73104
Chekhlov, V.I. On the solvability of a nonlinear integrodifferential system with unknown boundary 9—84940
Chekhlova, T.K. *see* Cheremiskin, I.V. 9—64221
Chekhol'skiy, A.S. *see* Smol'skiy, B.M. 9—90251
Chekhovich, V.Yu. *see* Balakleevskii, Yu.I. 9—72920
Chekhovoi, A.N. *see* Blanter, M.E. 9—87724
Chekhovskoi, V.Ya. *see* Petukhov, V.A. 9—55905
Chekhunov, E.V., Zakharov, V.V. Preionized discharge in a narrow gap 9—64948
Chekin, B.S. Dimensionless equations of state and attenuation of shock waves 9—69191
Chekmarev, I.B. Reply to the comments by V.Ya. Rudyak, M.Sh. Shavaliev, and V.S. Galkin [Boltzmann equation for small Knudsen numbers] 9—81926
Chekmarev, V.P., Kurkin, M.I., Goloshchapov, S.I. Mechanism of formation of a single-pulse echo in Hahn spin systems 9—78566
Chekmareva, A.P. *see* Vitovskii, N.A. 9—90647
Chekov, G.N. *see* Medvedev, Yu.A. 9—64148
Chekulaev, Yu.V. *see* Buyakas, V.I. 9—80221
Chekulayeva, L.M. *see* Vsevolodov, N.N. 9—57605
Chekulayeva, L.N. *see* Kryukov, P.G. 9—57581
Chekunov, A.V., Sollogub, V.B. The Earth crust—problems of structure and evolution 9—96749
Chekushina, L.V. Characteristics of a high-pressure Q-switched electron-beam-controlled CO_2 laser 9—59669
Chelgren, J.E., Katz, W., Deline, V.R., Evans, C.A., Jr., Blattner, R.J., Williams, P. Surface cesium concentrations in cesium-ion-bombarded elemental and compound targets 9—83073
Chelgren, J.E. *see* McCune, R.C. 9—83088
Chelikowsky, J.R. Solid solubilities in divalent alloys 9—60514
Chelikowsky, J.R. An energy density functional-pseudopotential method for calculating the cohesive properties of metals 9—73462
Chelikowsky, J.R., Cohen, M.L. Electronic states on the relaxed (110) surface of GaAs 9—51649
Chelkowski, A. *see* Drzazga, Z. 9—82817
Chell, G.G., Vitek, V. Post yield solutions for fracture mechanics analyses of cracks emanating from elliptic holes 9—68643
Chellam, C.E., Aruldhas, G. An iterative parameter method for calculation of unique force constants 9—76418
Chellam, Y. *see* Bora, J.S. 9—100508
Chellehmalzadeh, M.A., Collins, C.B. Laser spectroscopy of the 6d σ states of CsAr and CsKr 9—85974
Chellew, N.R. *see* Greenwood, L.R. 9—59309, 9—59310, 9—97950
Chelli, A., Lena, P., Roddier, C., Roddier, F., Sibille, F. Modulation transfer function for infra-red stellar speckle interferometry: evidence for a log-normal statistic 9—101079
Chelnokov, L.P. *see* Flerov, G.N. 9—96781
Chelnokov, O.I. *see* Gusev, V.M. 9—51167
Chelnokov, Yu.V. *see* Unger, F.G. 9—85197
Chelyadin, A.V. *see* Vintman, Z.L. 9—54189
Chelyshev, V.I. *see* Baryshev, V.I. 9—53535
Chelyshev, V.V., Burnyashev, I.I., Pichurin, I.I., Kirichenko, V.V. Evaluation of the resistance of steel to fracture by the oscilloscope method 9—57169
Chemard, G. *see* Mazurier, P.A. 9—60316
Chemekova, T.Yu. *see* Hanic, F. 9—51071
Chemeresyuk, G.G. *see* Serdyuk, V.V. 9—78208
Chemerinskaya, L.S. *see* Klyueva, I.B. 9—66174
Chemeris, V.T., Podol'tsev, A.D. Electromechanical energy conversion in the retardation of a piston in a uniform magnetic field 9—64145
Cheminat, B. *see* Andanson, P. 9—77443
Chemla, D.S., Maruani, A., Batifol, E. Evidence of the autoionizing character of biexcitons 9—51978
Chemla, D.S. *see* Oudar, J.L. 9—55183
Chemodanov, A.N. *see* Shub, D.M. 9—61875
Chemodanov, V.P. *see* Selivanov, A.S. 9—53747
Chemolosov, Yu.V. *see* Klenin, V.I. 9—79698
Chen, A., Chhi-Chong Wu Transverse magnetoresistance of degenerate semiconductors in strong magnetic fields 9—99565
Chen, A. *see* Chhi-Chong Wu 9—56246
Chen, A.-B., Sher, A. Coherent-potential-approximation calculation of the valence bands of the quaternary alloy $In_xGa_{1-x}As_yP_{1-y}$ 9—73435
Chen, A.C. Coulomb wave functions in the u representation 9—58584
Chen, A.W. *see* Redhed, D.D. 9—94644
Chen, B., Saffman, P.G. Steady gravity-capillary waves on deep water. I. Weakly nonlinear waves 9—77153
Chen, B. *see* Barnoski, M.K. 9—50445, 9—72720
Chen, B. *see* Marom, E. 9—59737, 9—59841
Chen, B.S. *see* Yakshin, N.M. 9—52492
Chen, C. *see* Lockwood, J.A. 9—75063
Chen, C.C., Ming-Hui Huang Field and temperature dependence of thermodynamic and correlation functions of Hubbard model 9—73666
Chen, C.C. *see* Smeltzer, R.K. 9—61769
Chen, C.F. Time-dependent double-diffusive instability in a density-stratified fluid along a heated inclined wall 9—55405
Chen, C.F. *see* Seiberling, W.E. 9—62402

Chen, C.H., Kramer, S.D., Clark, D.W., Payne, M.G. Studies of lifetimes of rotationally cooled NO_2 using time-resolved fluorescence excitation spectra 9—94025

Chen, C.H. *(editor)* Pattern Recognition and Signal Processing 9—59864

Chen, C.-T. *see* Kim, D.M. 9—55134

Chen, C.W. *see* Severin, C.S. 9—91210

Chen, C.Y., Burstein, E., Lundquist, S. Giant Raman scattering by pyridine and CN^- adsorbed on silver 9—95768

Chen, C.Y. *see* Burstein, E. 9—51960

Chen, D.-W. *see* Flaud, J.-M. 9—72308

Chen, E. *see* Bill, R.G., Jr. 9—88400

Chen, E.C.M. *see* Wentworth, W.E. 9—100537

Chen, E.Yi *see* Yi Chen, E.

Chen, F.C., McCrum, N.G., Pizzoli, M. Linear viscoelastic creep under arbitrary temperature variations 9—95075

Chen, F.C. *see* Choy, C.L. 9—86900

Chen, F.F. Alternate concepts in magnetic fusion 9—71949

Chen, F.S. *see* Karr, M.A. 9—64241

Chen, H.C., Chen, J.M. Interaction between the artificial vortex and the vortex jet 9—74485

Chen, H.C.H. *see* Dau-Sing Wang 9—94151

Chen, H.H., Lee, Y.C. Internal-wave solitons of fluids with finite depth 9—80450

Chen, H.H. *see* Hruschka, A.A. 9—49906

Chen, H.L. *see* Nadasen, A. 9—67650

Chen, H.S. A polarization scanner for atmospheric radiation monitoring from geosynchronous meteorological satellites 9—58222

Chen, H.S. Atomic transport behavior in metallic glasses 9—94907

Chen, H.S., Waseda, Y. Structure of glassy Zr-Cu and Nb-Ni alloys 9—51004

Chen, H.S. *see* Bagley, B.G. 9—69227

Chen, H.S. *see* Barber, D.P. 9—89175, 9—97631

Chen, H.S. *see* Chien, C.L. 9—73859, 9—95693

Chen, H.S. *see* Gudmundsson, H. 9—60784

Chen, H.S. *see* Rao, K.V. 9—73483

Chen, H.S. *see* Tseng, P.K. 9—91318

Chen, I.W., Argon, A.S. Grain boundary and interphase boundary sliding in power law creep 9—61643

Chen, I.W., Argon, A.S. Steady state power-law creep in heterogeneous alloys with coarse microstructures 9—61644

Chen, J.C., Garba, J.A., Day, F.D., III Voyager design and flight loads comparison 9—80196

Chen, J.C., Yen, H.C. Path integral treatment for a driven damped oscillator 9—80457

Chen, J.C.Y. *see* Lee, Y.T. 9—59561

Chen, J.D. *see* Boase, D.G. 9—59177

Chen, J.M., Tsue, C.K. Vortex generator affected by the tower aspect ratio 9—74484

Chen, J.M. *see* Chen, H.C. 9—74485

Chen, J.M. *see* Sun, T.S. 9—86975

Chen, J.M. *see* Venables, J.D. 9—70203

Chen, J.W., Milnes, A.G. Emission coefficients for electron and hole traps in silicon 9—91075

Chen, J.W. *see* Partin, D.L. 9—78045

Chen, J.-W. *see* Okuyama, M. 9—87060

Chen, K.C. *see* Tam, C.K.W. 9—68680

Chen, K.I. *see* Moos, H.W. 9—64904

Chen, K.W., Hartung, R.W., Lehman, E., Mahanti, S.D. Design of a magnetic linear accelerator (MAGLAC) as driver for impact fusion (IF) 9—67983

Chen, L. *see* Perkins, K.R. 9—59146

Chen, L.J. *see* Pinizzotto, R.F., Jr. 9—51164

Chen, L.-T. On the design theory of constant-area-mixing type jet compressors 9—86482

Chen, M., Batra, I.P. Chemisorption studies of chlorine and fluorine on the silicon (111) surface 9—78144

Chen, M., Coburn, J., Lee, K., Minkiewicz, V.J. Use of a magnetic field to adjust the stoichiometry of plasma-deposited thin films 9—78900

Chen, M. *see* Barber, D. 9—54289, 9—54346

Chen, M. *see* Barber, D.P. 9—89175, 9—97631

Chen, M. *see* Becker, U. 9—59059

Chen, M. *see* Shen, T.T. 9—57496

Chen, M.H., Crasemann, B., Aoyagi, M., Mark, H. L-shell Auger and Coster-Kronig spectra from relativistic theory 9—93962

Chen, M.H., Laiman, E., Crasemann, B., Aoyagi, M., Mark, H. Relativistic L-shell Auger and Coster-Kronig rates and fluorescence yields 9—81180

Chen, M.M., Baker, L., Jr. The heat transfer mechanism associated with immersed melting surfaces 9—49671

Chen, M.M. *see* Bergholz, R.F. 9—59977

Chen, M.M. *see* Pantazatos, P. 9—83889

Chen, N.C.J., Jung, L. A mathematical model of drift deposition from a bifurcated cooling tower plume 9—58002

Chen, P.C. Suggestions of modifying the linear Dollfus polarimeter 9—53723

Chen, P.J., Peercy, P.S. One dimensional dynamic electromechanical constitutive relations of ferroelectric materials 9—56738

Chen, P.J. *see* Amos, D.E. 9—51909

Chen, P.S., Shlichta, P.J., Wilcox, W.R., Lefever, R.A. Convection phenomena during the growth of sodium chlorate crystals from solution 9—74074

Chen, R. *see* Gasiot, J. 9—91073

Chen, R.H. *see* Cravens, T.E. 9—75127

Chen, R.L.W. Minimization of the effective electron-neutral particle collision cross section in partially ionized noble gases 9—64821

Chen, R.L.W. On the computation of electrical conductivity in a plasma 9—86563

Chen, R.L.W. Remarks concerning effective electron-neutral particle collision cross sections in noble gases 9—98222

Chen, S. *see* Shubin, G. 9—72872

Chen, S.-A., Lin, K.-F. Optimal temperature policies for batchwise thermally-initiated bulk polymerization of styrene 9—87845

Chen, S.-H., Teh, H.C., Yip, S. Molecular interactions and neutron scattering from moderately dense gases 9—50144

Chen, S.-H. *see* Berney, C.V. 9—51214

Chen, S.-H. *see* Johnson, D.H. 9—86856

Chen, S.-H. *see* Tseng, P.K. 9—86091

Chen, S.L. *see* Boerio, F.J. 9—78765

Chen, S.S., Jendrzejczyk, J.A. Dynamic response of a circular cylinder subjected to liquid cross flow 9—81838

Chen, S.S., Kudchadker, S.A., Wilhoit, R.C. Thermodynamic properties of normal and deuterated naphthalenes 9—76410

Chen, T., Charlan, G.B. High coercivity and high hysteresis loop squareness of sputtered Co-Re thin film 9—91259

Chen, W. *see* Alcorn, J. 9—49835

Chen, W.H., Shaw, H.J., Weinstein, D.G., Zitelli, L.T. PVF_2 transducers for NDE 9—57199

Chen, W.H., Shaw, H.J., Zitelli, L.T. New grating acoustic scanner 9—57198

Chen, W.H. *see* Lean, E.G. 9—98569

Chen, W.-H. *see* Griffiths, D.J. 9—95642

Chen, W.J., Lee, Y., Groeneveld, D.C. Measurement of boiling curves during rewetting of a hot circular duct 9—67814

Chen, W.L., Ishii, M., Grolmes, M.A. Simple multichannel thermal-hydraulic model for study of the transient behavior of coolant in LMFBR subassembly 9—49660

Chen, W.L., Ishii, M., Grolmes, M.A. The application of the simple fuel pin transient and melting model to thermal-hydraulics in LMFBR subassembly 9—89396

Chen, W.L. *see* Ishii, M. 9—49749

Chen, Y. *see* Boldu, J.L. 9—77598

Chen, Y.C., Chiang, K., Hartmann, S.R. Photon echo relaxation in LaF_3:Pr^{3+} 9—59771

Chen, Y.J. *see* Burstein, E. 9—51960

Chen, Y.M., Lee, K.J. A numerical study on effects of fiber-orientation of a unidirectional elastic solid under impact 9—57094

Chen Bao-qiu, Li Zhu-xia, Jin Xing-nan On the relative wave function of α- and d-clusters in ^{6}Li 9—59068

Chen Chang, Wei Cheng-lian, Dong Yu-lain, Liu Shi-jie, Xia Guang-chang, Fan Jing-yun, Wang Qi-liang, Gao Zhi-wei The blocking effect of Si, GaAs and $LiNbO_3$ single crystals 9—90708

Chen Chang-chao *see* Chou Ming-yu 9—84415

Chen Che-Tsung *see* Che-Tsung Chen

Chen Chi Mely *see* Mely Chen Chi

Chen Chi-hsiang *see* Li Ming-chien 9—61925

Chen Chien-wen *see* Fu Shu-fen 9—59682

Chen Chih *see* Deng Zhi-sheng 9—73249

Chen Chih Kwan *see* Chih Kwan Chen

Chen Chuangtian A localized quantal theoretical treatment, based on an anionic coordination polyhedron model, for the EO and SHG effects in crystals of the mixed-oxide types 9—99854

Chen Feng-su A numerical solution for the unsteady flow problems of fluid mechanics with spline functions 9—72873

Chen Gan-sheng, Yao Chang-chun, Zhong Zeng-yong The effect of σ-phase in certain Ni-Cr-Co base superalloy 9—74229

Chen Guan-Mian, Wang Ding-Sheng Analysis of phase relation between the daily variations of the vertical component of the geomagnetic field at two stations 9—88236

Chen Hui-jiang On mathematical models and the determination of parameters for the unsteady flow of underground water 9—57976

Chen Jia-min A new mathematic treatment of rolling pressure calculations 9—100171

Chen Jia-yu *see* Zhang Wei-de 9—98990

Chen Jian-shen, Zou Zhen-long On the problem of convergence of Kopal's iteration method for solving the light curve of close binary systems 9—62872

Chen Jian-wen *see* Fu Su-fen 9—55126, 9—72559

Chen Jin-quan, Gao Mei-juan, Wang Fan On the phase and the representation transformations of SU_n baryon and meson wave functions 9—93313

Chen Jin-quan, Yu Zu-rong, Wang Fan A recursive formula for the Clebsch-Gordan coefficients of SU_n group 9—58902

Chen Jing-Huei *see* Jing-Huei Chen

Chen Jing-zhang *see* Cheng Yue-ying 9—78863

Chen Jwo-Min *see* Jwo-Min Chen

Chen Kuo Gen *see* Kuo Gen Chen

Chen Li-ji *see* Feng Guan-ping 9—71409

Chen Li-Ting *see* Li-Ting Chen

Chen Lian, Xu Yong-bo, Yin Wan-quan Unhealed porosities and crystalline steps in flakes 9—74179

Chen Liang-chen *see* Cheng Yue-ying 9—78863

Chen Mo Chan *see* Chan Chen Mo

Chen Mon-Chao *see* Mon-Chao Chen

Chen Nian-kai Calculation of the ring current of aromatic hydrocarbons with condensed nuclei 9—93916

Chen Ning Yang *see* Chou, T.T. 9—89191

Chen Pao-Lin *see* Lu Han-Lin 9—49601

Chen Qi-yu *see* Zhou Bing-lin 9—91072

Chen Qian-ti On the electron diffraction patterns of twins in cubic systems 9—99214

Chen Qian-ti *see* Zhou Yong-xin 9—74173

Chen Rong, Geng Nai-Guang, Yao Xiao-Xin Fracture and frictional sliding of rock samples with saw cut 9—100825

Chen Sen-Hui *see* Wang Zong-Xian 9—62462

Ch'en Shang Yi *see* Shang Yi Ch'en

Chen Sheree *see* Sheree Chen

Chen Shi, Li Gen-Dao, Guo Han-Ying A theory of conformal supergravity 9—93021

Chen Shi, Li Gen-Dao, Guo Han-Ying A theory of conformal gravity 9—93027

Chen Shi *see* Zhu Chong-Yuan 9—49480

Chen Shi *see* Zou Zhenlong 9—80493

Chen Shou-hsi, Long Chen-fen, Hu Shich-rhu, Hsu Mao Phase transition of liquid crystal of poly-(p-phenylene terephthalamide) in pure sulfuric acid solution 9—65175

Chen Shou-yu Study of the problems of the annual flow regulation 9—96778

Chen Sin-Li *see* Sin-Li Chen

Chen Sixiong Stable oscillation condition mode structure and output power characters in high speed flow lasers 9—76660

Chen Sow-Hsin *see* Sow-Hsin Chen

Chen Tu *see* Tu Chen

Chen Wen Den *see* Wen Den Chen

Chen Wen-Ching *see* Wen-Ching Chen

Chen Wen-Xiong *see* Ximen Ji-Ye 9—72472

Chen Xi-cheng, Yang Da-yu Ion bombardment thinning apparatus and its applications 9—80731

Chen Xiang-zhen *see* Zhuang Song-lin 9—94142

Chen Xiao-shu, Zhang Qing-ying The two-body spin-orbit coupling interaction and the energy spectra of $f_{7/2}$ shell nuclei 9—93531

Chen Yan-Song, Wang Yu-Tang, Dong Bi-Zhen A new method of color holography 9—50247

Chen Yong-shou, Zheng Yu-ming, Lu Zhao-qi The sub-body correlation in the chain-like molecular structure state 9—93518

Chen Yu *see* Yu Chen

Chen Yun-ming *see* Xue Ming-lun 9—64931

Chen Yun-Tai, Gu Hao-Ding, Lu Zao-Xun Variations of gravity before and after the Haicheng earthquake, 1975, and the Tangshan earthquake, 1976 9—57842

Chen Zhe-ming Space physics [ionospheric and magnetospheric aspects] 9—75039

Chen Zhen-jie *see* Wei Ming-xiu 9—90616

Chen Zhi-da Geometric field theory of finite deformation in continuum mechanics 9—71248

Chen Zhi-qing On the theory of polymer gelation 9—74379

Chen Zhong-Mo *see* Wu Jing-Yuan 9—49503

Chen-fen Long *see* Long Chen-fen

Chen-yao Lin *see* Lin Chen-yao

Chen-Yi Wen *see* Wen Chen-Yi

Chenakin, S.P. *see* Kiriakidis, G. 9—74044

Chenavas, J. *see* Bochu, B. 9—90615

Chenborisova, L.Ya., Burdygina, G.I., Maklakov, A.I., Kozlov, P.V. Study of the state of water in gelatin by the NMR method 9—52790

Chencinski, N. *see* Cadieu, F.J. 9—56350

Chene, J., Ovejero Garcia, J., Aucouturier, M., Lacombe, P., de Oliveira, C.P. Study of microstructural distribution of cathodic hydrogen in martensitic or austenitic alloys Fe-Ni-C, Fe-Ni and Fe-Cr-Ni by means of autoradiography 9—99234

Chene, J. *see* Ovejero-Garcia, J. 9—83203

Chene, R.Jan de *see* Jan de Chene, R.

Chenery, D.H. *see* Kember, D. 9—67399

Cheng, A.F. Unsteady magnetic merging in one dimension 9—80090

Cheng, A.S. *see* Williams, S.H. 9—49352

Cheng, B.T. *see* Jain, P.L. 9—101037

Cheng, C.M. *see* Chiou, M.S. 9—93660

Cheng, C.P. *see* Barber, D. 9—54289, 9—54346

Cheng, C.P. *see* Barber, D.P. 9—89175, 9—97631

Cheng, C.W., King, J.D. Cross sections for the $^{42}Ca(p,\gamma)^{43}Sc$, $^{42}Ca(\alpha,n)^{45}Ti$ and $^{44}Ca(p,n)^{44}Sc$ reactions 9—85470

Cheng, C.Y. *see* Yates, S.W. 9—52837

Cheng, C.Z. *see* Okuda, H. 9—64903

Cheng, E.T., Maynard, C.W. Nucleonic design for a compact Tokamak fusion reactor blanket and shield 9—85803

Cheng, E.T., Maynard, C.W., Vogelsang, W.F., Klein, A.C. Nucleonic design for a compact Tokamak fusion reactor blanket and shield 9—81086
Cheng, F.T., Fung, P.C.W. The equation of polarization transfer in an inhomogeneous magnetized plasma. III. Inclusion of non-orthogonality properties 9—84662
Cheng, F.T. *see* Melrose, D.B. 9—96905
Cheng, H., Dickinson, J., Lo, C.Y., Olaussen, K. Unitarizing high-energy scattering amplitudes in field thoeries. II. Yang-Mills theories 9—63346
Cheng, H.K. *see* Stewartson, K. 9—59993
Cheng, H.-S., Diamond, D.J. A neutronic analysis of boiling water reactor in-core detector noise 9—81026
Cheng, K., Foxman, B.M., Gersten, S.W. An introduction to the solid state polymerization of transition-metal complexes. A comparative study 9—74380
Cheng, K.T.-L., Casperson, L.W. Properties of coaxial CW CO_2 laser 9—81442
Cheng, L. *see* Han-Ru Cho 9—88436
Cheng, L.J., Karins, J.P., Corbett, J. W., Kimerling, L.C. Positron lifetimes in GaAs 9—83052
Cheng, L.S., Higgins, R.J., Graebner, J.E., Rubin, J.J. Anti-Kondo effect in Rh-Fe: de Haas-van Alphen observations of scattering anisotropy and exchange energy 9—73427
Cheng, T.C. *see* Loyalka, S.K. 9—64369
Cheng, V.K.C., Little, A., Yuen, H.C., Lazarus, S.M., Hanna, S.S. Nuclear reaction cross sections of $^{16}O+^{16}O$ obtained by γ-ray detection 9—67804
Cheng, V.K.C. *see* Kuhlmann, E. 9—89266
Cheng, W.K. *see* Barnhill, M.V. 9—93378
Cheng Chao-bo Certain questions on the growth of single crystal in the two-phase region 9—74070
Cheng Chu *see* Sperling, J.L. 9—90422
Cheng Fu-hua *see* You Jun-han 9—80366
Cheng Hai-yang *see* Hai-yang Cheng
Cheng Hsiang-Shou *see* Hsiang-Shou Cheng
Cheng K. Ly Late Quaternary deposits of the Newcastle-Port Stephens area as revealed by grain size analysis and scanning electron microscopy [Australia] 9—88352
Cheng Kai-c The structure fracture and the stress fields of geological structures 9—53343
Cheng Kuo-Shung *see* Kuo-Shung Cheng
Cheng Kwok-tsang *see* Kwok-tsang Cheng
Cheng Lu Scattering of laser beam by randomly diffusing surfaces—a simplified statistical model 9—50217
Cheng Ping *see* Ping Cheng
Cheng Shiang-Ho *see* Shiang-Ho Cheng
Cheng Yue-ying, Hu Xin-de, Chen Jing-zhang, Zhang Wei-ping, Zhang Hong-bing, Chen Liang-chen Growing of polycrystal diamond under ultra high pressure 9—78863
Cheng-Cheng Hu *see* Panitz, J.K.G. 9—78888
Cheng-Chih Wang *see* Wang Cheng-Chih
Cheng-guang Bao *see* Bao Cheng-guang
Cheng-hsian Li *see* Li Cheng-hsian
Cheng-huang Pan *see* Pan Cheng-huang
Cheng-kai Zeng *see* Zeng Cheng-kai
Cheng-lian Wei *see* Wei Cheng-lian
Cheng-shan Sung *see* Sung Cheng-shan
Cheng-ti Zhou *see* Zhou Cheng-ti
Cheng-tian Feng *see* Feng Cheng-tian
Cheng-yi Kuo *see* Kuo Cheng-yi
Cheng-yi Li *see* Li Cheng-yi
Cheng-zai Lu *see* Lu Cheng-zai
Cheng-Zheng Liu *see* Liu Cheng-Zheng
Chenoweth, A. 2 Gbps electro-optic modulator for visible lasers 9—86262
Chenskii, E.V. Large-scale fluctuation potential and the density of states in doped and strongly compensated semiconductors 9—95366
Chentsov, N.N., Dumkina, G.V., Shoidina, N.S. Radiative angular coefficients in axisymmetric system 9—90120
Cheon, Il.-T. Effects of the meson exchange currents on the pion absorption 9—85287
Cheon Il-Tong *see* Il-Tong Cheon
Chepelenko, V.N. *see* Anikeev, E.F. 9—82417
Chepelyugina, M.G. *see* Feklistov, S.I. 9—83193
Chepigin, V.I. *see* Orlova, O.A. 9—97740
Chepizhko, V.I. Plasma radiation in a metal chamber and coefficient of microwave radiation energy transfer from a chamber to the entrance of a radiometric receiver 9—98915
Chepkunas, L.S. *see* Kondorskaya, N.V. 9—84170
Chepur, D.V. *see* Bodnar, M.P. 9—65227
Chepur, D.V. *see* Slivka, V.Yu. 9—99836
Chepur, D.V. *see* Vysochanskii, Yu.M. 9—95778
Chepurnykh, G.K. Effective phonon-phonon interactions in antiferromagnets 9—73797
Chepurnykh, G.K. *see* Bar'yakhtar, V.G. 9—69674
Cher Gu Hwan *see* Hwan Cher Gu
Chera, I. *see* Tsois, N. 9—90475
Chera, T., Mandache, B.N. Ion energy analysis on a plasma focus device 9—90465
Cherches, G.Kh., Pechkovskii, V.V., Kuz'menkov, M.I. Use of gel-chromatography to investigate the molecular mass distribution of vitreous alkali metal polyphosphates 9—50173
Cherdantsev, P.A. Relaxation phenomena in fission of atomic nuclei 9—80920
Cherdyntseva, K.V. *see* Baiburina, S.G. 9—80156, 9—80170
Cherednichenko, E.A., Zen'kovich, S.G., Tigliev, G.S., Panuntsev, V.S., Balashov, V.L. Device for fixing scintillation detection units of the Ksenon radiologic system 9—57749
Chereiskii, Z.Yu. *see* Perepelkin, K.E. 9—91751
Chereji, I. Improvement of tritium counting sensitivity by using completely labelled ethane as internal gas sample for the proportional counter 9—54741
Cheremisinoff, N.P., Davis, E.J. Stratified turbulent-turbulent gas-liquid flow 9—90307
Cheremisinov, D.I. Generation of graphs representing structural formulae of isomers 9—49967
Cheremiskin, I.V., Chekhlova, T.K. Some features of the emission of a thin-film ring laser 9—64221
Cheremnykh, P.A. *see* Aleksandrov, A.S. 9—82636
Cheremskoi, P.G., Prieto, Kh.Kh., Koz'ma, A.A., Dudkin, V.A. Heterogeneity of the structure of aluminium-copper alloy vacuum condensates 9—60646
Cheremukhin, G.S. *see* Rozhnov, V.P. 9—76900
Cherenkevich, S.H. *see* Gachko, G.A. 9—85993
Cherenkevich, S.N. *see* Konev, S.V. 9—79492
Cherenkov, G.T. *see* Belotserkovskii, D.Yu. 9—93103
Cherenkov, P.A. *see* Alferov, D.F. 9—72174
Cherenkov, V.A., Rogel'berg, I.L., Beilin, V.M. Low-temperature anomalies of electrical resistance of nickel-manganese and nickel-manganese-cobalt (iron) alloys 9—60788
Cherenkov, V.A. *see* Beilin, V.M. 9—87091
Cherenkov, V.P. *see* Kulakov, M.V. 9—49202
Cherepakov, A.I. *see* Glikman, E.E. 9—52342
Cherepanov, A.N. *see* Startsev, V.E. 9—95389
Cherepanov, A.N. *see* Volkenshtein, N.V. 9—60688
Cherepanov, A.P. *see* Plyusnin, I.I. 9—93124
Cherepanov, V.B. *see* Lvov, V.S. 9—87250
Cherepanov, V.M. *see* Irshinskii, A.L. 9—61106
Cherepanov, V.S. Rotannular-weight provers in practice of proving gas metering devices 9—68843
Cherepanov, V.Ya. *see* Kraftmakher, Ya.A. 9—85144
Cherepashchuk, A.M. *see* Kornilov, V.G. 9—88767, 9—101178
Cherepetskaya, E.B. *see* Burmistrova, L.V. 9—64478
Cherepin, V.T., Vasilev, M.A., Yakubtsov, O.A. Appearance potential spectroscopy study of the oxidation of CoNi alloy surfaces 9—87755
Cherepkov, N.A. *see* Amusia, M.Ya. 9—98030
Cherevatskii, N.Ya. *see* Gulyaev, Yu.V. 9—90042
Cherezov, A.A. *see* Arslanov, V.V. 9—96280
Cherian, K.A. *see* Patel, A.R. 9—51030
Cherix, J. *see* Adam, S. 9—54674
Cherkalina, T.S. *see* Zhurkin, V.V. 9—89313
Cherkas, A.Ya. *see* Beinusov, A.G. 9—81951
Cherkas, V.D. *see* Zakharko, Yu.A. 9—57290
Cherkashenko, V.M. *see* Kurmaev, E.Z. 9—59488
Cherkashin, A.E. *see* Zakharov, Yu.A. 9—100015
Cherkashin, M.I. *see* Khursandova, S.M. 9—99885
Cherkashin, Yu.N. *see* Danilkin, N.P. 9—53628
Cherkasov, A.N. *see* Tsymbal, L.T. 9—60911, 9—87038
Cherkasov, A.S. *see* Aristov, A.V. 9—56836, 9—64220
Cherkasov, A.S. *see* Shevandin, V.S. 9—64055
Cherkasov, A.S. *see* Veselova, T.V. 9—87848
Cherkasov, B.I., Dotsenko, G.I. Broadband preamplifier for a nuclear-magnetic-resonance pulsed spectrometer 9—71502
Cherkasov, B.I. *see* Moskvich, Yu.N. 9—99788
Cherkasov, V.E. *see* Yakshin, N.M. 9—52492
Cherkasov, V.G., Zakharchenko, A.A., Shablovskii, O.V. Improving the metrological characteristics of differential-capacity transducers for displacement measurements 9—75493
Cherkasov, V.S. *see* Minaev, B.F. 9—63923
Cherkasov, Yu.A., Kiseleva, M.N., Dodonova, N.Ya. Quantum yield of photoexcitation of charge carriers in anthracene and nucleic acid bases in the 3-10 eV photon energy range 9—99581
Cherkasova, T.G., Serebrennikov, V.V. Thermal stability and products of oxidation of rare earth thiohafnates in air 9—83346
Cherkesov, L.V. *see* Suvorov, A.M. 9—100853
Cherkez, A.Ya. *see* Eliseev, Yu.B. 9—86454
Cherkezyan, S.A. *see* Smirnovskaya, E.M. 9—73709
Cherkoshin, A.E. *see* Zakharov, Yu.A. 9—74053
Chermette, H., Pertosa, P., Michel-Calendini, F.M., Weber, J. SCF MS Xα study of the ionization energies and atomic populations of an octahedral TaO_6^{7-} cluster 9—93923
Chermette, H. *see* Michel-Calendini, F.M. 9—72244
Chernatony, L.de *see* de Chernatony, L.
Chernavskii, D.S. *see* Palamarchuk, Ye.K. 9—92180
Chernaya, T.S. *see* Burtseva, K.G. 9—82188
Chernenko, A.A. Transient processes in electrode-binary electrolyte systems—the equivalent circuit 9—70347
Chernenko, A.A. *see* Beterov, I.M. 9—54876, 9—94260
Chernenko, A.A. *see* Chirkov, Yu.G. 9—60059
Chernenko, S.P. *see* Zanevskii, Yu.V. 9—67449
Chernenko, V.A., Polandov, I.N., Strukov, B.A., Novik, V.K. Calorimetric investigation of triglycine selenate crystals under pressure near the tricritical point 9—95716
Chernenko, Yu.P. *see* Ushakov, V.F. 9—57682
Chernevskaya, E.G., Volynets, F.K. Producing optical crystal component blanks 9—72725
Cherng, J.C., Dhir, V.K., Catton, I. Natural-convection heat transfer in a bed of fuel debris cooled at both top and bottom 9—93785
Chernievskii, V.K. *see* Prokopenko, V.S. 9—59071
Chernikov, A.A. *see* Pustovalov, V.V. 9—60138
Chernikov, V.I. *see* Baldin, A.M. 9—72125
Chernikov, V.Z. *see* Belashchenko, G.I. 9—94441
Chernikov, Yu.F. *see* Pustovoit, V.N. 9—87630
Chernilin, Yu.F. *see* Legasev, V.A. 9—97886
Chernin, A.D. Relict radiation, infinity and horizon 9—85024
Chernin, E.I. *see* Kandyrin, L.B. 9—57030
Chernin, S.M. *see* Kogan, A.V. 9—71456
Chernin, V.N. *see* Chistyakhov, B.E. 9—57299
Chernina, L.L. *see* Bogatyrev, L.S. 9—82398
Chernitskii, Ye.A., Vorobei, A.V., Konev, S.V. Thermal transitions in erythrocyte membranes identified from their permeability to ANS 9—53055
Chernobabov, A.I. *see* Turik, A.V. 9—69798
Chernobai, V.A. *see* Ornatskii, A.P. 9—64489
Chernobay, V.A. *see* Ornatskiy, A.P. 9—81971
Chernobelskaya, T., Kovnovich, S., Harnik, E. The testing of adhesive-bonded joints by a very high-resolution ultrasonic probe 9—57182
Chernobrod, B.M. Cooperative combination scattering and effects of propagation 9—81485
Chernobrod, B.M. *see* Rautian, S.G. 9—72549
Chernobrovkin, D.I. *see* Volkova, V.V. 9—78211
Chernoff, D.A., Rice, S.A. Single vibronic level fluorescence from aniline 9—54903
Chernoff, D.A., Rice, S.A. Collision induced intramolecular vibrational energy transfer in $^1B_2$ aniline 9—54904
Chernogriadskaia, N.A. *see* Borovikov, Y.S. 9—100567
Chernokolev, A.T., Kukushkin, A.K., Solntsev, M.K. Effect of the redox properties of the medium on the thermoluminescence of the chloroplasts of higher plants 9—57609
Chernomaz, V.E., Ur'ev, N.B. Influence of combined action of mechanical vibration and ultrasound on highly filled epoxy resin compositions 9—56952
Chernomordik, L.V., Abidor, I.G., Arakelyan, V.B., Baskakov, V.A., Tarasevich, M.R. Effect of 'stress' factors on the electrical properties of BLM 9—92161
Chernomordik, L.V. *see* Abidor, I.G. 9—70531
Chernomorets, M.P. *see* Ostapenko, N.I. 9—78703
Chernoplekov, N.A., Parshin, P.P., Rumyantsev, A.Yu., Zemlyanov, M.G., Kroo, N., Rosta, L., Vizi, I. Lattice dynamics of copper-based alloys 9—51223
Chernoplekov, N.A. *see* Golovin, A.E. 9—97925
Chernoplekov, N.A. *see* Ivanov, D.P. 9—89498
Chernoplyokov, N.A., Ivanov, D.P., Keilin, V.E., Panov, D.A., Zotov, I.L. Cryogenic technology and superconductivity in controlled fusion 9—54600
Chernorukov, N.G., Korshunov, I.A., Prokof'eva, T.V. Crystallographic characteristics of double phosphates and arsenates of zirconium, $M^{II}Zr_4(PO_4)_6$, $M^{I}Zr_2(AsO_4)_3$, and $M^{II}Zr_4(AsO_4)_6$ 9—55726
Chernoustsan, A.I. *see* Migdal, A.B. 9—67047
Chernov, A.A. *see* Trusov, L.I. 9—95265
Chernov, G.M. *see* Azimov, S.A. 9—67782
Chernov, I.P., Timoshnikov, Yu.A., Kryuchkov, Yu.Yu., Sokhoreva, V.V. Location of light atoms in crystals from anomalous α-particle scattering 9—65113
Chernov, I.P. *see* Kryuchkov, Yu.Yu. 9—95040
Chernov, I.P. *see* Zaika, N.I. 9—80949
Chernov, L.A. *see* Zakharkin, I.I. 9—71879
Chernov, M.A. *see* Levin, V.I. 9—95912
Chernov, P.V. *see* Dianov, E.M. 9—94356
Chernov, P.V. *see* Gur'yanov, A.N. 9—64345
Chernov, S.F. *see* Galashin, E.A. 9—69871
Chernov, S.P. *see* Lakoba, I.S. 9—82119
Chernov, Yu.M. *see* Klyavin, O.V. 9—69112
Chernova, A.I. *see* Yakimova, E.E. 9—52816
Chernova, G.P. *see* Kiselev, N.N. 9—62794, 9—80276
Chernova, G.P. *see* Lupishko, D.F. 9—58294
Chernova, G.S. *see* Mikheev, M.N. 9—70277
Chernova, G.S. *see* Tabachnik, V.P. 9—50190
Chernova, L.F. *see* Korotkov, V.P. 9—49291
Chernova, L.P. *see* Azimov, S.A. 9—67782
Chernova, N.I. *see* Betin, O.I. 9—85983
Chernovetz, M.E., Justesen, D.R., Levinson, D.M. Acceleration and deceleration of fetal growth of rats by 2450-MHz microwave irradiation 9—100669
Chernoyarskii, A.A. *see* Rambidi, N.G. 9—93093
Chernukha, V.V. *see* Velikhov, E.P. 9—71955
Chernukhin, V.A. *see* Tsegel'skii, V.G. 9—50820
Chernushenko, E.T. *see* Sazhin, S.G. 9—52592
Cherny, V.V. Confined guided modes in W-fibre with square core 9—59813

Cherny, V.V., Juravlev, G.A. Optical propagation in W-fiberguides with rectangular core 9—98467
Chernyaeva, T.P. *see* Zelenskii, V.F. 9—71898
Chernyak, A.I. *see* Shchetanov, B.V. 9—87723, 9—97343
Chernyak, B.M. *see* Barabanshchikov, V.F. 9—79208
Chernyak, O.I. *see* Svistunov, V.M. 9—51726
Chernyak, S.N. *see* Kurlapov, L.I. 9—94763
Chernyak, V.G. *see* Makeev, Yu.I. 9—86464
Chernyak, V.G. *see* Suetin, P.E. 9—68753
Chernyak, V.P. *see* Shcherban', A.N. 9—68548, 9—68762
Chernyakova, L.E. *see* Vorontsov, N.M. 9—78994
Chernyauskii, G.A. *see* Bezruk, I.A. 9—84535
Chernyavets, A.N. *see* Gusman, N.O. 9—96138
Chernyavskaya, E.I. *see* Grin', N.E. 9—53318
Chernyavskaya, S.G., Fridman, V.S., Krasnikova, S.I., Drobot, A.V., Lednyanskii, A.F. Susceptibility to grain growth of stainless maraging steel 9—57019
Chernyavskii, A.F. *see* Volod'ko, L.V. 9—85185
Chernyavskii, A.I. *see* Aksel'rud, G.A. 9—90328
Chernyavskii, S.Yu. *see* Baulin, N.N. 9—77301
Chernyi, V.V. Optical fiber with a rectangular core 9—81556
Chernyi, Yu.F., Koviko, V.S., Ershov, V.M., Grigor'ev, N.I., Chervak, L.G. Phase composition and physical properties of tool steels after hydrostatic extrusion 9—96053
Chernyi, Yu.F., Tkachenko, F.K., Spuskanyuk, V.Z., Mel'nichenko, A.I., Lyadskaya, G.A., Shapovalova, L.D. Influence of cold hydraulic pressure forging on transformations in steel when heated 9—52235
Chernyi, Yu.F. *see* Tkachenko, F.K. 9—52232
Chernykh, E.V. *see* Baldin, A.M. 9—72125
Chernykh, V.A. *see* Gusman, N.O. 9—96138
Chernykh, V.A. *see* Zolotov, E.M. 9—59770
Chernykh, Yu.M. Rig for testing testpieces during variable torsion 9—52494
Chernyshenko, V.Ya., Sementsov, A.F., Grishin, S.F. Cryogenic sorption trap 9—88963
Chernyshev, K.V. *see* Prudnikov, A.S. 9—94445
Chernyshev, L.I. *see* Skorokhod, V.V. 9—95974
Chernyshev, N.I. *see* Bessonov, A.F. 9—50443
Chernyshev, N.I. *see* Bikeev, O.N. 9—55224
Chernyshev, O.V., Shapiro, B.S. Analytic description of the maps of geometrical parameters of the ionospheric F_2 layer by spherical functions 9—53616
Chernyshev, V.I., Kolesnik, A.G., Vlasov, M.N. Rate of heating of the ionospheric plasma by solar radiation. II. Heating by emission in the Schumann-Runge continuum and as a result of chemical reactions 9—62653
Chernyshev, V.I. *see* Kolesnik, A.G. 9—53622
Chernysheva, E.O. *see* Gutkina, N.G. 9—99899
Chernysheva, E.V. *see* Voronov, F.F. 9—95073
Chernyshov, A.A., Pushkarev, V.V., Rumyantsev, A.Y., Dorner, B., Pynn, R. Electron-phonon interactions in cadmium measured by inelastic neutron scattering 9—99285
Chernyshov, A.I., Zeleva, G.M., Kirovskaya, I.A. Preparation and investigation of crystals of solid solutions of the system GaAs-ZnSe 9—95919
Chernyshov, V.N. *see* Goryunov, V.A. 9—69574
Chernyshova, G.I. *see* Balashov, Yu.S. 9—96071
Chernyshova, N.A. *see* Chevela, O.B. 9—96222
Chernyshova, S.P., Rys'eva, Yu.I., Naidan, V.M., Sharai, A.V. Diagnosing α_2 phase in Ti-Al system binary alloys 9—52497
Chernyshova, Yu.P. *see* Berin, I.Sh. 9—83272
Chernyuk, S.L. *see* Segeda, N.I. 9—67341
Cherpak, N.T. *see* Smirnova, T.A. 9—94202
Cherpakova, N.S. *see* Prigorovskii, N.I. 9—87788
Cherruault, Y., Guillez, A. Solution of the equations of a respiration model 9—62283
Cherry, B.W., Price, S.M. Cathodic protection of steel in concrete 9—70216
Cherry, J.A. *see* Fritz, P. 9—84324
Chertkov, A.A. *see* Irodova, A.V. 9—65061
Chertkov, A.A. *see* Kryzhanovskii, V.I. 9—76861
Chertok, B.T. Electromagnetic structure of ^{3}He and ^{4}He at large momentum transfer 9—67710
Chertoprud, V.E., Mustel', E.R., Mulyukova, N.B. Instability of the troposphere connected with solar activity 9—92580
Chertousov, V.A., Zimina, V.S., Pen'kova, A.A. Determination of decarburization for deformed carbon-steel wire 9—87663
Chertov, V.G. *see* Filimonov, V.P. 9—50394
Chervak, L.G. *see* Chernyi, Yu.F. 9—96053
Chervenyuk, G.I. *see* Belotskii, D.P. 9—51570
Chervin, R.M. *see* Schneider, S.H. 9—88467
Chervin, R.M. *see* Washington, W.M. 9—53478
Chervonev, L.S. *see* Sheiko, L.M. 9—61071
Chesalin, L.S. *see* Borisenko, V.I. 9—88481
Cheshkova, K. *see* Bliznakov, G. 9—66346
Cheshnovsky, O., Even, U., Jortner, J. Optical study of the metal-insulator transition in the mercury-xenon system 9—65947
Cheshnovsky, O. *see* Danor, R. 9—61452
Chesire, D.P. *see* Kirk, W.P. 9—63225
Chesler, D. *see* Brownell, G. 9—66516
Chesnokov, A.D., Chesnokova, V.D., Kirillov, S.A. Quantum mechanical model of the appearance of the early receptor potential of the retina 9—57644
Chesnokov, E.D. *see* Basia, D.F. 9—51965
Chesnokov, V.M. Development of laminar flow of a liquid in the intertray space of a separator 9—81893
Chesnokova, L.V. *see* Glasunova, V.I. 9—89024
Chesnokova, T.D. *see* Pucherov, N.N. 9—51181
Chesnokova, V.D. *see* Chesnokov, A.D. 9—57644
Chesnokova, V.D. *see* Nemets, O.F. 9—59047
Chesnoy, J. *see* Ricard, D. 9—98178
Chester, G.V. *see* Ceperley, D.M. 9—65290
Chester, G.V. *see* Gann, R.C. 9—94814
Chester, G.V. *see* Mon, K.K. 9—77492
Chester, G.V. *see* Whitlock, P.A. 9—82401
Chester, T.J. The effect of reflected X-rays on X-ray pulsar timing observations 9—53935
Chester, T.J. Pulse timing for cataclysmic variables 9—62831
Chesterman, A.W. *see* Hester, R.E. 9—76157
Chesters, A.K. Fundamental problems in gas-liquid two-phase flow 9—98784
Chesters, M.A., Hopkins, B.J., Taylor, P.A., Winton, R.I. Decomposition of ethylene on W(100) studied by Auger spectroscopy 9—66353
Chestnov, A.M. *see* Demidov, F.P. 9—93265
Chestnov, Yu.A. *see* Andronenko, L.N. 9—59103
Chestnut, P., Landsman, H. A sonar target recognition experiment 9—64389
Chestnut, P., Landsman, H., Floyd, R.W. A sonar target recognition experiment 9—86298
Chestnut, R., Grasmueck, B., Hadsell, R., Krieger, E., Labershausen, W., Lowsky, J., Plappert, W., Richter, M., Rother, H.-P., Siart, O., Thieme, R. The GSI data acquisition system (EDAS) 9—89533
Chestnut, R., Kiesling, C., Bloom, E., Bulos, F., Gaiser, J., Godfrey, G., Oreglia, M., Partridge, R., Peck, C., Porter, F., Aschman, D., Cavali-Sforza, M., Coyne, D., Sadrozinski, H., Killmann, W., Richardson, M., Strauch, K., Hofstadter, R., Kirkbride, I., Kolanoski, H., Liberman, A., O'Reilly, J., Tompkins, J., Burnett, T. The Crystal Ball data acquisition system 9—89531
Chetaev, M.P., Shnyrkov, V.I. SQUID with three-dimensional array of Josephson junctions 9—67362
Chetaev, M.P. *see* Tarasenko, G.I. 9—67361
Chetal, A.R. *see* Lokhande, N.R. 9—91531
Chetkareva, L.E., Evseev, V.A., Efimov, V.A. Computer calculation of interference pattern 9—71520
Chetkin, M.V., Shalygin, A.N., de la Kampa, A. Anisotropy of domain wall velocity in yttrium orthoferrite 9—99725
Chetkin, S.A. *see* Apollonov, V.V. 9—64267
Chetkina, L.A., Zavodnik, V.E., Andrianov, V.I., Sobolev, A.N., Bel'skii, V.K., Tarnopol'skii, B.L., Arzamanova, I.G., Rybak, A.I., Gurvich, Ya.A. Structure of crystals of 2,4,6-tri-(3,5-di-ter.-butyl-4-hydroxybenzyl)-mesitylene 9—86783
Chettle, D.R. *see* Mountford, P.J. 9—49899
Chettle, D.R. *see* Vartsky, D. 9—92441
Chetverikov, A.G., Richards, G.P., Puchkov, Ye.O., Roshchupkin, D.I., Peisakhzon, B.I., Zholkevich, V.N. Possibility of using ultraviolet fluorescence for detecting the conformational rearrangements of proteins in intact tissues 9—53031
Chetverikov, A.P. *see* Gabeskiriya, V.Ya. 9—71938
Chetverikov, A.P. *see* Prokopenko, V.S. 9—97830
Chetverikov, V.M. *see* Vo Han Fuk 9—71294
Chetyrbok, S.F. *see* Ermokhin, F.K. 9—87792
Chetyrkin, K.G., Kataev, A.L., Tkachov, F.V. Higher-order corrections to $\sigma_{tot}(e^+e^- \to \text{hadrons})$ in quantum chromodynamics 9—85309
Cheung, A.Y. *see* McCulloch, D. 9—70584
Cheung, C.Y. Moment-conserving decoupling scheme in the Anderson model 9—61048
Cheung, C.Y., Henley, E.M., Miller, G.A. Charge-symmetry violation in the reaction $np \to d\pi^0$ 9—85313
Cheung, F.B. *see* Bergholz, R.F. 9—59977
Cheung, H.C. *see* Chatterjee, M.L. 9—80950
Cheung, J.T., Datz, S. Inelastic scattering of Cl^- ions in collision with H_2 from 4 to 11 eV 9—98202
Cheung, K.Y. *see* von Alpen, U. 9—55922
Cheung, L.M. *see* Bishop, D.M. 9—72254, 9—81151, 9—93511
Cheung, P.W., Gross, J.T., Oldenburg, J.T., Harris, J.W. A multi-angle laser light-scattering spectrometer for the study of sickling kinetics in sickle cell anemia 9—79494
Cheung, P.W. *see* Takatani, S. 9—79624
Cheung, T.T.P. *see* Soos, Z.G. 9—73473
Cheung Nai-Ho *see* Nai-Ho Cheung
Cheung Sunming *see* Sunming Cheung
Chevaleyre, J., Perrot, J.P. A reinvestigation of the Deslandres table of the nitrogen first negative system 9—98118
Chevalier, A.B.H. *see* Winterton, R.H.S. 9—89375
Chevalier, B., Deamzeau, G., Etourneau, J., Hagenmuller, P. Pressure dependence of the resistivity of the rare earth oxide nitrides $Eu_{1-x}^{2+}Ln_x^{3+}N_xO_{1-x}$ (Ln=Nd, Eu) 9—78104
Chevalier, B. *see* Bressel, B. 9—95920
Chevalier, J., Baixeras, J., Andro, P. Thermometrical properties of disordered Nb-N_x thin films 9—65558
Chevalier, J.-P., Stobbs, W.M. Short-range order and the disorder-order transformation in stoichiometric Ni_4Mo 9—78955
Chevalier, P. *see* Rouxel, J. 9—99156
Chevalier, R. *see* Baud, G. 9—65041, 9—77578, 9—90614
Chevalier, R. *see* Besse, J.-P. 9—90601
Chevalier, R. *see* Cousson, A. 9—73142, 9—90603
Chevalier, R. *see* Sabatier, R. 9—69068
Chevalier, R.A. Blast waves and the interstellar medium 9—53845
Chevalier, R.A. Supernova remnants 9—67071
Chevallier, J. *see* Mariette, H. 9—52013
Chevallier, J. *see* Samuelson, L. 9—59805
Chevarin, B. *see* Barbarin, F. 9—91297
Cheveigne, S.de *see* de Cheveigne, S.
Chevela, O.B., Orlova, L.M., Ryabich, L.M., Chernyshova, N.A. Structure and mechanical properties of plasma-sprayed 80% Ni-20% Cr alloy coatings 9—96222
Chevrel, R., Prigent, J., Sergent, M. Superconducting molybdenum chalcogenides 9—73619
Chevrel, R., Sergent, M., Seeber, B., Fischer, O., Gruttner, A., Yvon, K. New ternary Mo(II)-compounds $In_xMo_{15}Se_{19}$ containing Mo_6Se_6 and Mo_9Se_{11} units 9—65056
Chevreton, M. *see* Babot, D. 9—56507
Chevrier, J., Huber, A., Linh, N.T. Vapour phase epitaxy of InP: growth kinetics and controlled doping 9—87569
Chevrier, J.C. *see* Denis, S. 9—91712
Chew, C.K., Chee, L.C., Low, H.B., Phua, K.K. Dihadron spectrum, quarks, and Chao-Yang statistics 9—89124
Chew, C.K., Phua, K.K. Suppression factor in the leptonic and hadronic decays of the Υ family 9—49514
Chew, C.K. *see* Hoang, T.F. 9—49540, 9—93474
Chew, G.F. Bootstrap theory of quarks 9—49451
Chew, G.F. Topological colour and disc mating unitarity as the source of zero triality 9—49492
Chew, H. Fluorescent and Raman scattering by molecules embedded in small particles: Magnetic dipole transitions 9—76435
Chew, H., Dau-Sing Wang, Kerker, M. Elastic scattering of evanescent electromagnetic waves 9—98264
Chew, H.A.M. *see* Adams, W.A. 9—56220
Chew, H.W. *see* McNulty, P.J. 9—76587
Chew, R.K. *see* Pastor, R.C. 9—65821
Chewning, S.W. *see* Beatty, M.F. 9—72864
Cheynet, B. *see* Bernard, C. 9—96295
Chez, E.L. *see* Comninou, M. 9—98519
Cheze, G. Qualitative research on indolic derivatives in the pigmentary retinal epithelium of the trout (salmo irideus) 9—53115
Chezeau, J.M., Strange, J.H. Diffusion in molecular crystals 9—82373
Chhabildas, L.C., Asay, J.R. Rise-time measurements of shock transitions in aluminium, copper, and steel 9—77680
Chhabildas, L.C., Sutherland, H.J., Asay, J.R. A velocity interferometer technique to determine shear-wave particle velocity in shock-loaded solids 9—99268
Chhabra, A.S. Letter to the editors [radiotherapy] 9—83917
Chhabra, P. *see* Siemann, D.W. 9—88127
Chhatait, S., Mandal, K.K. Hydromagnetic flow over a conducting thick porous plate with Hall effects 9—64789
Chhi-Chong Wu, Chen, A. Transverse magnetoresistance of highly doped n-type InSb in strong magnetic fields 9—56246
Chhi-Chong Wu *see* Chen, A. 9—99565
Chhuon, B., Caltagirone, J.P. Stability of a horizontal porous layer with timewise periodic boundary conditions 9—81965
Chi, C.C., Clarke, J. Quasiparticle branch mixing rates in superconducting aluminum 9—78269
Chi, C.-N. *see* Tsay, C.-Y. 9—58058
Chi, G.C., Cargill, G.S., III Structural characterization of amorphous electrodeposited cobalt-phosphorus alloys 9—77932
Chi, G.Nguyen van *see* Nguyen van Chi, G.
Chi, J.W.H., Chapin, D.L., Prevenslik, T., Kelley, J.L. An evaluation of steam and boiling-water-cooled DTHR blanket concepts 9—85789
Chi, J.Y., Gatos, H.C. Determination of dopant-concentration diffusion length and lifetime variations in silicon by scanning electron microscopy 9—82604
Chi, T.C. Electrical resistivity of alkali elements 9—78072
Chi, T.C. Electrical resistivity of alkaline earth elements 9—78073
Chi Chiang Chao *see* Chiang Chao Chi
Chi Chou Pei *see* Pei Chi Chou
Chi Mely Chen *see* Mely Chen Chi
Chi Thanh Le *see* Le Chi Thanh

Chi Yhou Hong The Mossbauer effect study of Fe ion in soda glass system 9—51889
Chi-Chang Chiang, Lifshitz, A., Skinner, G.B., Wood, D.R. Resonance absorption measurements of atom concentrations in reacting gas mixtures. II. Calibration of microwave sources over a wide temperature range 9—92032
Chi-Hai Ling, Rasmussen, L.A., Campbell, W.J. Flight path curvature distortion in side-looking airborne radar imagery 9—53553
Chi-hsiang Chen *see* Chen Chi-hsiang
Chi-Kou Fan, Schrock, V. Flooding phenomena with condensation 9—89429
Chi-min Wu *see* Tung-sheng Tu 9—89165
Chi-min Yen *see* Yen Chi-min
Chi-Nan Hsiao *see* Srivatsangam, S. 9—53437
Chi-Tung Teng *see* Teng Chi-Tung
Chi-Yuan Lee, Hsueh, Y. The spread of mixing in a stratified fluid and its analogue in rotating fluids 9—57949
Chi-yuan Tseng *see* Tseng Chi-yuan
Chi-yuen Wang, Nai-hsien Mao, Wu, F.T. The mechanical property of montmorillonite clay at high pressure and implications on fault behavior 9—84234
Chia, T.T. Spherically symmetric accretion with self-gravitation. II. Criteria for enhanced accretion and applications 9—71098
Chia-chi Chao *see* Chao Chia-chi
Chia-Hsiang Yang *see* Hsou-Tao Yu 9—85051
Chia-luan An *see* An Chia-luan
Chia-Ren Hu First-order current-induced textural transition of ^{3}He-A in a thin slab 9—95237
Chia-Ren Hu, Ham, T.E. Current-driven textural transition of ^{3}He-A 9—55993
Chia-Wei Woo *see* Feijoo, L. 9—60272
Chia-Wei Woo *see* Rajan, V.T. 9—99074
Chia-Wei Woo *see* Senbetu, L. 9—86953
Chiachian, M., Hayashi, M. Dual unitarization scheme with several trajectories 9—89133
Chiakwelu, O. A theory of transverse current correlations in liquid argon 9—77489
Chian, A.C.L. The interaction of large-amplitude plasma waves with a moving electron plasma 9—98899
Chian, A.C.-L. Nonlinear travelling longitudinal waves in cold plasmas 9—64861
Chianelli, R.R., Scanlon, J.C., Rao, B.M.L. In situ studies of electrode reactions: the mechanism of lithium intercalation in TiS_2 9—100394
Chiang, C.K., Garito, A.F., Heeger, A.J. Phase transitions in the thermopower of TTF-TCNQ single crystals 9—65464
Chiang, C.K., Spal, R., Denenstein, A., Heeger, A.J., Miro, N.D., MacDiarmid, A.G. Thermoelectric power of linear mercury chain compound 9—65466
Chiang, C.K. *see* Ozaki, M. 9—95474
Chiang, C.K. *see* Park, Y.W. 9—56271
Chiang, D. *see* Aniol, K. 9—85516
Chiang, F.D., Khetan, R.P. Strain analysis by one-beam laser speckle interferometry. II. Multiaperture method 9—81821
Chiang, F.P. Moire methods for contouring displacement, deflection, slope and curvature 9—80674
Chiang, F.P., Lin, C.J. Time-average reflection-moire method for vibration analysis of plates 9—72863
Chiang, F.P. *see* Pedretti, M. 9—97427
Chiang, G.C. *see* Tait, R.H. 9—78835
Chiang, H.C., Hufner, J. Angular distributions for strangeness exchange reactions 9—75892
Chiang, I.-H. *see* Carroll, A.S. 9—63511
Chiang, K. *see* Chen, Y.C. 9—59771
Chiang, S. *see* Fleury, P.A. 9—91387
Chiang, S. *see* Smith, N.V. 9—78843
Chiang, S.H. *see* Savinell, R.F. 9—92070
Chiang, S.-W. *see* Lerner, I. 9—79016
Chiang, S.Y. *see* Matzen, W.T. 9—100521
Chiang, T. *see* France, D.M. 9—81006
Chiang, T.H. *see* Bimbot, R. 9—61927
Chiang, W.T., Murphy, D.P., Griem, H.R. Electron densities from Thomson scattering and helium-neon laser interferometry 9—86615
Chiang, Yu.N., Ordynets, A.G. On the resistivity minimum in beryllium 9—87077
Chiang Chao Chi *see* Shen Liang-Chao 9—53857
Chiang Chi-Chang *see* Chi-Chang Chiang
Chiang Chun *see* Chun Chiang
Chiang Li-Shang *see* Chang Kung-Ching 9—50699
Chiantore, B., Colombo, A., De Benedetti, A., Martini, R., Ravera, G.L. CIRENE power channel thermal transients during reflooding 9—63755
Chiao, S.H. *see* Yeats, R. 9—67381
Chiara, A.di *see* di Chiara, A.
Chiaratia, M.D. *see* Cutts, D. 9—85346
Chiavassa, E. *see* Aslanides, E. 9—85481
Chiavassa, E. *see* Bos, K. 9—85531
Chiavassa, E. *see* Tran, M.T. 9—93665
Chiba, A. *see* Shinozaki, K. 9—77795
Chiba, J., Sato, R., Nimura, T. Studies in electromagnetic fields and phase constants of a concentric line having a helical inner conductor 9—86112
Chiba, J., Sato, R., Nimura, T. An analysis of the wave impedance and the attenuation constants of a concentric line having a helical inner conductor 9—86113
Chiba, J. *see* Sakina, K.-i. 9—71313
Chiba, M., Chapellier, M., Rotter, M. NMR study of heat transfer in ruby (Al_2O_3,Cr^{3+}) at very low temperatures 9—65757
Chiba, M., Hirabayashi, H., Ishii, T., Joh, K., Kato, S., Kitami, T., Morimoto, T., Sugano, K., Ukai, K., Wada, Y., Yoribayashi, Y. Polarimeter system for high-energy protons using carbon plate and liquid hydrogen 9—93898
Chiba, M. *see* Chapellier, M. 9—56003
Chiba, M. *see* Okuyama, K. 9—51449
Chiba, T. *see* Togami, Y. 9—59895, 9—81600
Chibisov, A.K. *see* Andreyeva, N.Ye. 9—79468
Chibisov, A.K. *see* Peshkin, A.F. 9—54895
Chibisov, M.I. Charge exchange of atoms by multicharged ions 9—86063
Chibisov, M.I. *see* Bazylev, V.A. 9—98859
Chibisov, M.I. *see* Kereselidze, T.M. 9—59565
Chibon, P. *see* Adelh, D. 9—88223
Chibotaru, N.I. *see* Vigdorovich, V.N. 9—51698
Chibrikin, V.M. *see* Poltorakov, A.P. 9—57629
Chibukov, Yu.Ya. *see* Grishanov, B.I. 9—74067
Chicault, R. *see* Buisson, R. 9—56450
Chichibu, S. *see* Koga, K. 9—57640
Chickerur, N.S., Mahapatra, P.P. Behaviour of calcium hydroxylapatite and vanadohydroxylapatite in aqueous media 9—82341
Chida, K., Okada, M., Terunuma, Y., Edahiro, T. MCVD fiber fabrication system design 9—55255
Chida, K., Okada, M., Terunuma, Y., Edahiro, T. A machine-aided fiber optic MCVD system 9—59852
Chida, K. *see* Edahiro, T. 9—59811, 9—59851, 9—59856
Chida, K. *see* Hirao, Y. 9—72117
Chidambaram, R. *see* Vohra, Y.K. 9—90952
Chiellini, E. *see* Ciardelli, F. 9—55014
Chien, C.L. Mossbauer study of an amorphous magnetic solid containing Cr 9—61281
Chien, C.L., Chen, H.S. Effects of Mo on the magnetic properties of amorphous $(Fe_xMo_{1-x})_{75}P_{16}B_6Al_3$ 9—73859
Chien, C.L., Musser, D., Gyorgy, E.M., Sherwood, R.C., Chen, H.S., Luborsky, F.E., Walter, J.L. Magnetic properties of amorphous Fe_xB_{100-x} ($72 \leq x \leq 86$) and crystalline Fe_3B 9—95693
Chien, C.L., Walker, J.C., Shnidman, R. Observation of very short-lived radiation effects in rare-earth solids following Coulomb excitation 9—60411
Chien, C.L. *see* Musser, D. 9—73858
Chien, H.C. *see* Jackson, L.B. 9—64409
Chien, J.C.W. Effect of metal substitution on the molecular structures and functional properties of cytochrome c and hemoglobin 9—53037
Chien, J.C.W. *see* Yang, H.W.H. 9—69753
Chien, K.R., Bauer, S.H. The laser augmented decomposition of D_3B adducts 9—52713
Chien, K.-Y. *see* Zien, T.-F. 9—94688
Chien, Y.-M. *see* Additon, S.L. 9—49677
Chien-Er Lee, Jen-Fa Min The OZI relations for SU(4) coupling constants with applications to tensor mesons 9—80793
Chien-jung Lin *see* Yen-chung Liu 9—69377
Chien-wen Chen *see* Chen Chien-wen
Chiengmai Suparb Na *see* Suparb Na Chiengmai
Chierchia, S., Landucci, L., Lazzari, M., Macerata, A., Marchesi, C., Maseri, A., Simonetti, I. Computerized continuous beat by beat analysis and rational plots of ECG, ventricular and arterial pressure waves during transient ischemic episodes 9—62394
Chiesa, W., Vidozzi, G. A two dimensional boundary layer airflow model with temperature sources over nonhomogeneous terrain 9—84454
Chieux, P. Liquid structure investigation by neutron scattering 9—60230
Chieux, P. *see* Damay, P. 9—82347
Chifu, A. *see* Morariu, V.V. 9—82888
Chigarev, A.V., Chigarev, Yu.V. Possibility of stochastic instability of rays in inhomogeneous media 9—64379
Chigarev, Yu.V. *see* Chigarev, A.V. 9—64379
Chigir, N.A. Nonadiabatic transitions in a two-level system 9—98014
Chigrinov, V.G. *see* Belyaev, V.V. 9—56708, 9—60276
Chigrinov, V.G. *see* Bobylev, Y.P. 9—94878
Chih, C. *see* Zhih-Shen, D. 9—68669
Chih Chen *see* Chen Chih
Chih Kwan Chen Spin correlation asymmetries of large angle elastic NN scattering and the nature of partons 9—63411
Chih Kwan Chen Crucial spin tests of quantum-chromodynamic approaches to large-transverse-momentum processes 9—63558
Chih-cheeh Liao *see* Liao Chih-cheeh
Chih-fei Chang *see* Chang Chih-fei
Chih-Tang Sah *see* Ching Ho Chan, P. 9—95476
Chih-yao Chang *see* Chang Chih-yao
Chih-yuan Tsao *see* Tsao Chih-yuan
Chik, K.D. *see* Kriegler, R.J. 9—56279
Chikada, Y. *see* Hata, S. 9—101095
Chikama, T. *see* Suzuki, M. 9—63088
Chikashige, Y. *see* Terazawa, H. 9—85253
Chikaura, Y., Tanner, B.K. Evidence of interactions between domain walls and a dislocation bundle in synchrotron X-radiation topographs of iron whisker crystals 9—87282
Chikawa, J.i. Swirl defects in silicon single crystals 9—94999
Chikazawa, S., Saito, T., Sato, T., Miyako, Y. Evidence for a cooperative freezing in spin glass alloy PtMn 9—91233
Chikazawa, S. *see* Miyako, Y. 9—78403
Chikazumi, S. Invar anomalies 9—56558
Chikazumi, S. *see* Ito, Y. 9—56504
Chikazumi, S. *see* Matsui, M. 9—65225
Chikazumi, S. *see* Miura, N. 9—50189, 9—71491
Chikazumi, S. *see* Miyamoto, Y. 9—78498
Chikazumi, S. *see* Nishida, N. 9—56664
Chikazumi, S. *see* Sasaki, T. 9—78365
Chikazwa, S., Sato, T., Miyako, Y., Yuochunas, Y.G. Anisotropic susceptibility of $(Ti_{1-x}V_x)_2O_3$ single crystals 9—87228
Chikhov, V.P. *see* Volkov, Yu.M. 9—85434
Chikinev, N.M. *see* Ermilin, N.R. 9—91765
Chikirdin, E.G. *see* Pronin, M.P. 9—57750
Chikkur, G.C., Lagare, M.T., Umakantha, N. Fluorescence spectrum of NaI(Tl) crystal: A laboratory experiment 9—97143
Chikova, L.O. *see* Somogy, A. 9—80173
Chikova, S.P. *see* Aleksin, V.A. 9—86412
Chikova, T.S. *see* Shepelevich, V.V. 9—78646
Chikovani, L.D. *see* Atenelashvili, M.I. 9—84626
Chikovani, Z.E. *see* Enkovskii, L.L. 9—93388
Chiladze, B.G. *see* Abesalashvili, L.N. 9—80856
Chilaya, G.S. *see* Elashvili, Z.M. 9—86682
Child, M.S., Gerber, R.B. Inversion of inelastic atom-atom scattering data: recovery of the interaction function 9—89741
Child, M.S. *see* Lawton, R.T. 9—76414
Child, T.N. *see* Nicholls, R.L. 9—66779
Childers, D.G. *see* Booth, J.R. 9—57746
Childs, A.P. *see* Davies, P.A. 9—55354
Childs, K.W. *see* Tunstall, J.N. 9—94753
Childs, R.A. Reliable UHV gate valves 9—54147
Childs, W.J., Goodman, L.S. Assignment of unclassified lines in Tb I through high-resolution laser-fluorescence measurements of hyperfine structure 9—81178
Chilingarov, A., Clark, A.G., Darriulat, P., Eggert, K., Hungerbuhler, V., Patel, P.M., Strauss, J., Zalewski, K., Zallo, A., Banner, M., Modis, T., Perez, P., Teiger, J., Tur, C., Vialle, J.P., Zaccone, H., Zylberstejn, A., Jenni, P., Strolin, P., Tarnopolsky, G.J. Production of high transverse momentum low-mass electron-positron pairs in high-energy pp collisions 9—54365
Chilingarov, A., Clark, A.G., Darriulat, P., Eggert, K., Hungerbuhler, V., Patel, P.M., Richter, B., Strauss, J., Zallo, A., Banner, M., Modis, T., Perez, P., Teiger, J., Zaccone, H., Zylberstejn, A., Jenni, P., Strolin, P., Tarnopolsky, G.J. On the production of charmed mesons in high-energy proton-proton collisions 9—54368
Chillemi, S. *see* Ascoli, C. 9—83775
Chillemi, S. *see* Taddei-Ferretti, C. 9—83738
Chillingaryan, Yu.S. *see* Arakelyan, S.M. 9—73097
Chilukuri, S. Selective optical excitation and inversions via the excimer channel: superradiance at the thallium green line 9—50281
Chim-Yan Tseng *see* Tseng Chim-Yan
Chima, J.S. *see* Barnham, K.W.J. 9—85293
Chimadzhev, Yu.A. *see* Pastushenko, V.F. 9—79480
Chimankov, M.N. *see* Golovachik, V.T. 9—49875
Chimenti, V. *see* Bassetti, M. 9—72066
Chimhara, H. *see* Negita, K. 9—56624
Chimonas, G. Algebraic disturbances in stratified shear flows 9—50766
Chimoskey, J.E., Lynch, E.C., Cant, J.R. Forty-one variables following thoracotomy in calves 9—53280
Chin, A.K., Sievers, A.J. Intraband magneto-optical studies of InSb-NiSb eutectic 9—61371
Chin, A.K., Temkin, H., Roedel, R.J. Transmission cathodoluminescence: a new SEM technique to study defects in bulk semiconductor samples 9—64964
Chin, A.K. *see* Mahajan, S. 9—99197
Chin, B.A., Straalsund, J.L., Wire, G.L. Effects of prior stress history on the irradiation creep of 20% cold-worked AISI 316 stainless steel 9—87648
Chin, B.A. *see* Gilbert, E.R. 9—57082
Chin, G.Y. *see* Nakahara, S. 9—86794
Chin, G.Y. *see* Wonsiewicz, B.C. 9—52227
Chin, K. *see* Goto, H. 9—57626
Chin, L.M. *see* Levene, M.B. 9—92367
Chin, R., Holonyak, N. Jr., Kirchoefer, S.W., Kolbas, R.M., Rezek, E.A. Determination of the valence-band discontinuity of InP-$In_{1-x}Ga_xP_{1-z}As_z$ (X~0.13, Z~0.29) by quantum-well luminescence 9—91483
Chin, R. *see* Dupuis, R.D. 9—50309
Chin, R. *see* Rezek, E.A. 9—89906
Chin, S.L. *see* Faubert, D. 9—86197, 9—98351
Chin, S.L. *see* Girard, A. 9—74010

Chin Fu Tsanq, Lippmann, M.J., Witherspoon, P.A. Underground aquifer storage of hot water from solar energy collectors 9—57477

Chin Ok Lee Electrochemical properties of Na^+- and K^+-selective glass microelectrodes 9—91957

Chin Pang Sing *see* Sing Chin Pang

Chin Po-kang *see* Li Ming-chien 9—61925

Chin-An Chang, Segmuller, A. Substrate effect on the lattice constants of the MBE-grown $In_{1-x}Ga_xAs$ and $GaSb_{1-y}As_y$ 9—77942

Chin-Cheng Hu *see* Hsou-Tao Yu 9—85051

Chin-Jung, T. *see* Han-Ching, W. 9—69722

Chin-kun Hu *see* Yu Mung Shih 9—61139

Chinareva, O.M. *see* Bezruk, I.A. 9—84535

Chincarini, G., Rood, H.J. Space distribution of Sc galaxies: clues to the large-scale structure 9—71106

Chinea, F.J. Symmetries of solitons and general solutions of non-linear wave equations 9—85210

Chinellato, J.A. *see* Filho, J.B. 9—58989, 9—58992, 9—63561

Chinenkov, I.A. *see* Valyaev, N.I. 9—90229

Chiney, S.P. *see* Karade, T.M. 9—97190

Ching, B.K. *see* Chiu, Y.T. 9—66860

Ching, J.T. *see* Lyczkowski, R.W. 9—76068

Ching, W.Y., Huber, D.L., Verbeek, B.H. Numerical studies of the low temperature spin dynamics in PdMn (10 at.%) 9—78385

Ching, W.Y. *see* Huber, D.L. 9—73725, 9—99703

Ching Chun-fa *see* Li Ming-chien 9—61925

Ching Ho Chan, P., Chih-Tang Sah Experimental and theoretical studies of I-V characteristics of zinc-doped silicon p-n junctions using the exact DC circuit model 9—95476

Ching Kung *see* Omoto, C.K. 9—70536

Ching Yang Chung *see* Chung Ching Yang

Ching-Chung Li *see* Li Ching-Chung

Ching-Feng Chang, Schowalter, W.R. Secondary flow in the neighborhood of a cylinder oscillating in a viscoelastic fluid 9—60037

Ching-hsing Lin *see* Lin Ching-hsing

Ching-teh Li *see* Gilmartin, H. 9—84896

Ching-teh Li *see* Klein, A. 9—58567, 9—63085

Ching-Yen Tsay Growth and decay of large-scale waves in the tropical upper troposphere during the northern summer 9—88428

Ching-Yeu Wei, Seidman, D.N. Direct observation of the vacancy structure of depleted zones in tungsten ion irradiated at 10K 9—73224

Chingas, G.C. *see* Bertrand, R.D. 9—78537

Chinlon Lin *see* Bloom, D.M. 9—94358

Chinlon Lin *see* Cohen, L.G. 9—64320

Chinn, S.R., Zwicker, W.K. FM mode-locked $Nd_{0.5}La_{0.5}P_5O_{14}$ laser 9—86184

Chinn, S.R. *see* Choy, M.M. 9—59701

Chinnery, D.N.W. *see* McDowell, M.W. 9—76843

Chino, K., Kikuchi, M., Yusa, H., Horiuchi, S. An analysis of concentrating and drying processes in a thin-film evaporator 9—59215

Chino, K. *see* Naitoh, M. 9—49704

Chino, M., Ikebe, Y., Iida, T., Minato, S. Calculation of calibration constants of ionization chambers for gaseous β-emitting nuclides 9—68142

Chinone, N. Transverse modes and lasing characteristics of semiconductor lasers 9—81432

Chinone, N. *see* Doi, A. 9—59710

Chinowsky, W. *see* Abrams, G.S. 9—89149

Chinowsky, W. *see* Brandelik, R. 9—63491, 9—93441

Chinowsky, W. *see* Rapidis, P.A. 9—75780

Chinwosky, W. *see* Abrams, G.S. 9—89174

Chiodelli, G. *see* Schiraldi, A. 9—96017

Chion, B., Lajzerowicz, J., Bordeaux, D., Collet, A., Jacques, J. Structural aspects of solid solutions of enantiomers. The 3-hydroxymethyl- and 3-carboxy-2,2,5,5-tetramethylpyrrolidinyl 1-oxyl systems as examples 9—86778

Chiosi, C. *see* Bertelli, G. 9—71081

Chiotti, P., Mason, J.T., Lee, T.S. Thermodynamic properties of the mercury-uranium system 9—91625

Chiotti, P. *see* Carlson, O.N. 9—54579

Chiotti, P. *see* Iverson, P.M. 9—54580

Chiotti, P. *see* Lee, T.S. 9—91624

Chiou, H.H., Dhir, V.K., Catton, I. Effect of geometric parameters on downward forces during vent clearing 9—49741

Chiou, J.P. *see* Na, T.Y. 9—72893, 9—77116

Chiou, M.S., Maher, J.V., Cheng, C.M., Oelert, W., Jordan, W.J. $^{12}C+^{24}Mg$ elastic scattering 9—93660

Chiplonkar, M.W. Why not give Mars a ring like that of Saturn? 9—66951

Chipman, D.M. Theoretical study on the electron affinity of the water dimer 9—76343

Chipman, D.M. Ab initio calculations of spin densities in hydrocarbon radicals 9—93938

CHipman, E.G. *see* Lites, B.W. 9—96981

Chir, C.C. *see* Lin, Y.S. 9—82846

Chiragov, M.I. *see* Ragimov, K.G. 9—90625

Chiranjivi, C. *see* Raghavaiah, C.V. 9—51246

Chiranjivi, T., Appleton, A. Deposition of transparent electrodes in the vacuum ultraviolet (VUV) region 9—56929

Chirico, G.Di *see* Di Chirico, G.

Chirikhin, A.V. *see* Saltanov, G.A. 9—64488

Chirikov, B.V. A universal instability of many-dimensional oscillator systems 9—75334

Chirikov, B.V. Homogeneous model of resonance particle diffusion in an open magnetic trap 9—98952

Chirita, S. The Lamb problem in a nonlocal elastic half-space 9—98615

Chirkin, A.S. *see* Pakhalov, V.B. 9—88997

Chirkin, G.K. *see* Sorokin, M.V. 9—99762

Chirko, L.I. *see* Kurdyumov, G.V. 9—90699

Chirkov, A.G. *see* Vasil'ev, V.N. 9—80119

Chirkov, G.G. *see* Grigoryan, G.V. 9—70285, 9—79203

Chirkov, N.P. Cyclicity of geomagnetic activity and velocity of solar wind 9—79732

Chirkov, N.P. *see* Filippov, A.T. 9—80123

Chirkov, N.P. *see* Kuz'min, A.I. 9—84602

Chirkov, V.M., Tsesnek, L.S. Use of factor analysis methods for designing complicated optical systems 9—81509

Chirkov, V.N., Aliev, D.F., Radshabov, G.M., Zeinally, A.Kh. Stimulation of the electrohydrodynamic instability in the smectic A phase 9—78656

Chirkov, V.N. *see* Aliev, D.F. 9—90550

Chirkov, Yu.A. *see* Deryabin, A.V. 9—100240

Chirkov, Yu.G. Porous electrodes and percolation 9—91971

Chirkov, Yu.G., Chernenko, A.A. Capillary equilibrium at the surface of porous bodies 9—60059

Chiro, G.Di *see* Di Chiro, G.

Chirossel, J.P. *see* Benabid, A.L. 9—57804

Chirpaz, M.F. *see* Therminarias, A. 9—100575

Chis, I. *see* Badescu, St. 9—86199

Chishaki, T. *see* Takahashi, K. 9—68631

Chishko, V.F. *see* Bakumenko, V.L. 9—73543

Chishko, V.F. *see* Kurbatov, L.N. 9—69605

Chisholm, A. *see* Brock, J.E. 9—71832, 9—85851

Chisholm, D. *see* Grant, I.D.R. 9—77233

Chisler, E.V. *see* Goncharuk, I.N. 9—69847

Chislov, N.N. *see* Gorbunov, V.I. 9—93100

Chistjakov, I.G. *see* Gorina, I.I. 9—90528

Chistov, E.K. *see* Belyaev, G.I. 9—55538

Chistov, P.I. *see* Kondrat'ev, I.K. 9—58117

Chistov, S.F., Skorokhodov, I.I., Shchuraleva, Z.V., Vilenkin, Ya.I., Erlykina, M.E. Assessment of the molecular mass distribution of linear polydimethylsiloxanes from their density and viscosity 9—81310

Chistyakhov, B.E., Chernin, V.N. Electrical conductivity of highly aerated foams 9—57299

Chistyakov, I.G. *see* Govorkov, V.G. 9—82278

Chistyakov, L.V. *see* Vasil'kov, R.G. 9—59099

Chistyakov, N.S. *see* Chekanova, L.A. 9—73104

Chistyakov, N.S. *see* Parshin, A.S. 9—73826

Chistyakov, P.N. *see* Ivanov, V.P. 9—93251

Chistyakov, S.N. *see* Aver'yanov, G.A. 9—93216

Chistyakov, Yu.A. A radiometric method for measuring the thermal conductivity of thin layers or films of solids 9—94475

Chistyakov, Yu.A. *see* Zaitsev, S.G. 9—64839

Chistyakov, Yu.D. *see* Kolebanov, A.K. 9—99226

Chistyakov, Yu.I., Emel'yanenko, L.P., Shvartsman, L.A. Effect of denitriding on the mechanical properties of steel 08kp 9—52461

Chistyakova, V.A. *see* Ivensen, V.A. 9—100230

Chistyi, I.L. *see* Preobrazhenskii, N.G. 9—97442

Chitra, S. *see* Sivasanker, V.S. 9—78034

Chitre, S.M., Narlikar, J.V. On the apparent superluminal separation of radio source components 9—67110

Chitre, S.M. *see* Apparao, K.M.V. 9—84866

Chitre, S.M. *see* Kulkarni, P.V. 9—97105

Chitre, S.M. *see* Pandey, S.K. 9—84783

Chitty, J.A. *see* Pathania, R.S. 9—66196

Chiu, C., Moreno, P., Todreas, N., Bowring, R. Enthalpy transfer between PWR fuel assemblies in analysis by the lumped subchannel model 9—76063

Chiu, C., Todreas, N.E., Rohsenow, W.M. Turbulent flow split experiment and model for wire-wrapped assemblies 9—59140

Chiu, C.B., Hossain, M., Tow, D.M. Solutions of simple dual bootstrap models satisfying the Lee-Veneziano relation and the smallness of cut discontinuities 9—71729

Chiu, C.B. *see* Takasugi, E. 9—89208

Chiu, L.B., Elliston, P.R., Stewart, A.M., Taylor, K.N.R. Structural and magnetic properties of $Gd(Co_xIr_{1-x})_2$ 9—61210

Chiu, L.B., Elliston, P.R., Stewart, A.M., Taylor, K.N.R. Effect of dilute Dy substitution on the Gd electron spin resonance in $Gd_{0.5}Y_{0.5}Ir_2$ 9—82868

Chiu, L.B., Elliston, P.R., Stewart, A.M., Taylor, K.N.R. Structural properties of $Gd(Co_xIr_{1-x})_2$ [and magnetic moment] 9—86743

Chiu, M.Y. *see* Barrett, H.H. 9—94163

Chiu, P.H. *see* Brand, J.C.D. 9—64030

Chiu, P.-H. *see* Brand, J.C.D. 9—72343

Chiu, R.M.H., Wang, R.K. Assessment of Wilson and NRTL equations in vapor-liquid equilibria prediction 9—86883

Chiu, S.C. *see* Chan, V.S. 9—94791

Chiu, S.Y., Mrose, H.E., Ritchie, J.M. Anomalous temperature dependence of the sodium conductance in rabbit nerve compared with frog nerve 9—62235

Chiu, Y.T., Edgar, B.C., Rice, C.J., Sharp, L.R. A correlation of thermospheric gravity waves with tropospheric lightning 9—84557

Chiu, Y.T., Luhmann, J.G., Ching, B.K., Boucher, D.J., Jr. An equilibrium model of plasmaspheric composition and density 9—66860

Chiu, Y.T., Straus, J.M. Rayleigh-Taylor and wind-driven instabilities of the nighttime equatorial ionosphere 9—96855

Chiu Lue-Yung Chow *see* Lue-Yung Chow Chiu

Chiu Ying-Nan *see* Ying-Nan Chiu

Chiu-Kuang Chuang, Wang, W.S.-Y. Use of optical distance sensing to track tongue motion 9—57673

Chivers, R.C. A useful diagram for theoretical discussions 9—62321

Chivers, T.C. *see* Button, B.L. 9—98693

Chivian, J.S., Case, W.E., Eden, D.D. The photon avalanche: a new phenomenon in Pr^{3+}-based infrared quantum counters 9—97431

Chivian, J.S. *see* Case, W.E. 9—93219

Chivian, J.S. *see* Krasutsky, N.J. 9—81541

Chizhikov, G.G. *see* Adrianova, I.I. 9—50339, 9—50403

Chizhikov, V.A. Optical sights for target and hunting guns 9—72664

Chizhikov, Yu.M. Physical similarity criteria and structural state of metal 9—52298

Chizhikova, Z.A. *see* Galanin, M.D. 9—87506

Chizhov, N.P. *see* Kiselev, V.S. 9—62613

Chizmadzhev, Yu.A. *see* Abidor, I.G. 9—70531

Chizmadzhev, Yu.A. *see* Pastushenko, V.F. 9—53054

Chkaidze, L. *see* Aksinenko, V. 9—97713

Chkalov, I.I. *see* Buki, A.Yu. 9—80927

Chkuaseli, V.F. *see* Mikhlin, E.Ya. 9—73222

Chleck, D. Measurements of upper atmosphere water vapor made in situ with a new moisture sensor 9—74930

Chliapnikov, P.V. *see* de Wolf, E.A. 9—49543

Chliapnikov, P.V. *see* Givernaud, A. 9—75801

Chlipala, J.D. *see* Scarfone, L.M. 9—87103

Chlopek, J. *see* Pampuch, R. 9—52408

Chmarin, A.I. *see* Gembitskii, P.A. 9—50177

Chmel', A. *see* Eron'ko, S.B. 9—99991

Chmel', A. *see* Eron'ko, S.V. 9—95250

Chmela, P. Effect of coherence of generating radiations on optical parametric up conversion 9—76756

Chmela, P. Effect of photon statistics on optical degenerate parametric generation from quantum noise 9—81398

Chmiel, H. *see* Walitza, E. 9—77252

Chmielewska, D., Sujkowski, Z., Jansen, J.F.W., Ockels, W.J., de Voigt, M.J.A. K-shell ionization of Dy atoms produced in ^{158}Gd (α,xn) reactions 9—93960

Chmielewska, D. *see* Jansen, J.F.W. 9—67624

Chmyrev, V.I. *see* Bykovskii, Yu.A. 9—69552

Cho, A.Y. Recent developments in molecular beam epitaxy (MBE) 9—78902

Cho, A.Y. *see* Casey, H.C., Jr. 9—69585, 9—87157

Cho, A.Y. *see* DiLorenzo, J.V. 9—56307

Cho, C.S. *see* Higashi, F. 9—91612

Cho, D. *see* Chan, S.H. 9—93773

Cho, D.D. *see* Ghoniem, N.M. 9—95000

Cho, D.H., Chan, S.H. Role of radiative heat transfer in post-disassembly fuel self-mixing 9—49759

Cho, D.H., Hauser, G.M., Chan, S.H. Radiative heat transfer in a horizontal molten fuel layer with volumetric heating 9—93786

Cho, E.H., Pitt, C.H. Kinetics and thermodynamics of silver cyanide adsorption on activated charcoal 9—82456

Cho, H.K. Influences of combined addition of 3rd elements on precipitation behaviours in compulsive solid solution of dilute AlCu-Mg alloy 9—66064

Cho, H.S., Mote, C.D., Jr. On the aerodynamic noise source in circular saws 9—50503

Cho, J.C., Ramirez, C.E. Measurement of magnetic bubble parameters 9—78490

Cho, M. *see* Yagi, T. 9—78690

Cho, S.H., Shin, S.Y., Felsen, L.B. Ray-optical analysis of cylindrical unstable resonators 9—72652

Cho, S.H. *see* Krizancic, I. 9—80717

Cho, T. *see* Matsuki, S. 9—67777

Cho, Y.C. A statistical theory for sound radiation and reflection from a duct 9—81585

Cho, Y.I., Hartnett, J.P. The falling ball viscometer—a new instrument for viscoelastic fluids 9—94565

Cho, Y.L. *see* Ems, S.C. 9—63541

Cho, Z.H. *see* Maydan, D. 9—66544

Cho Chung Soo *see* Chung Soo Cho

Cho Eung Ha *see* Eung Ha Cho

Cho Han-Ru *see* Han-Ru Cho

Cho Jwa-Hyeong *see* Jwa-Hyeong Cho

Cho Seung-Am *see* Seung-Am Cho

Cho Zang-Hee Recent developments in imaging systems and processings—3 dimensional computerized tomography 9—62398

Cho-Tuen Lau, L. Cellular mechanisms of fever and pasteurization: ATP depletion and RNA degradation in mouse L-cells at supra-optimal temperatures 9—62211

Choban, E.A. Gluonic jets in hadron-hadron collisions 9—58986
Choban, Z.A. An associative charm generation mechanism in multimuon events in neutrino-nucleon scattering 9—89145
Chock, D.P., Kumar, S. On the photostationary state assumption in the atmospheric nitric oxide-nitrogen dioxide-ozone system 9—88391
Chodos, S.L., Berg, R.W. Low temperature vibrational spectra, lattice dynamics and phase transitions in some potassium hexahalometallates: $K_2[XY_6]$ with Z=Sn or Te and Y=Cl or Br 9—73917
Choe, J.Y., Davidson, R.C. Stability properties of an anisotropic guiding center plasma and relation with the Suydam function 9—64854
Choh-Yi Ang, Lacy, L.L. Gravitational influences on the liquid-state homogenization and solidification of aluminium antimonide 9—78864
Chohan, V. Computer controlled beam local radial perturbation and rotation in CERN PS 9—72072
Choi, B.H. *see* Schatz, G.C. 9—64070
Choi, C.K. *see* Miley, G.H. 9—76143
Choi, C.S., Prask, H.J., Trevino, S.F. Non-destructive investigation of texture by neutron diffraction 9—87795
Choi, M.C., Purdy, J.A., Gerbi, B., Abrath, F.G., Glasgow, G.P. Variation in output factor caused by secondary blocking for 7-16 MeV electron beams 9—62350
Choi, S.H., Wilhelm, H.E. Incompressible magnetohydrodynamic flow with heat transfer between inclined walls 9—68819
Choi, U.S., Talbot, L., Cornet, I. Experimental study of wall shear rates in the entry region of a curved tube 9—81972
Choi Boo Kwi *see* Kim Myung Ki 9—60916
Choi Duk-In *see* Duk-In Choi
Choi Hyung Sup *see* Hyung Sup Choi
Choi Ju *see* Ju Choi
Choi Val Sek *see* Orlova, O.A. 9—97740
Chojcan, J. *see* Szuszkiewicz, M. 9—82518
Cholakh, S.O. *see* Betenekova, T.A. 9—69416
Cholakov, P. *see* Apostolov, A. 9—75556
Chollet, F. A new possibility for measuring stellar masses 9—62753
Chollet, F., Debarbat, S. Results of observations made at Paris with the astrolabe. Time and latitude 1977-1978 9—101051
Chollet, F., Demarcq, J., Laclare, F. On the measurement of the instrumental constant of the Danjon Astrolabe 9—75101
Chollet, J.C. *see* Bourquin, M. 9—71768
Cholley, J.F. *see* Bronchard, J.P. 9—95037
Cholpan, P.F., Sperkach, V.S., Garkusha, L.N., Krasnikov, V.I. Investigation of the mechanism of ultrasonic absorption by solutions of normal paraffins 9—90732
Chomel, P., Peyrade, J.P., Cottu, J.P. Softening of iron by aluminium in solid solution 9—52226
Chomicki, O.A. *see* Blinowska, K.J. 9—83966
Chomka, W. Internal friction in inorganic oxide glasses 9—95078
Chomka, W., Slupkowski, T., Witort, I. Influence of MgO, BeO, and TiO_2 on dynamical mechanical properties of polyester resin POLIMAL 190 9—96074
Chomka, W. *see* Augustyniak, B. 9—95627
Chomka, W. *see* Dowda, W. 9—96075
Chomka, W. *see* Pstrokonski, M. 9—96077
Chomka, W. *see* Samatowicz, D. 9—96078
Chon, C.T. *see* Symonds, P.S. 9—81738
Chon, W.Y. *see* Addabbo, C. 9—49726
Chon Trung Hua, Courtes, G., Nguyen Huu-Doan Detection of sulphur dioxide (SO_2) and doubtless CS_2, in the atmosphere of Venus 9—62776
Chonan, S. Moving load in initially stressed thick plates attached together by a flexible core 9—81752
Chonan, S. Elastically connected Mindlin plates subjected to a moving load 9—81788
Chong, D.P. Calculation of vertical ionization potentials of ketene by perturbation corrections 9—76336
Chong, D.P. *see* Zeiss, G.D. 9—72249
Chong, M., Missirlis, Y.F. Aortic valve mechanics. II. A stress analysis of the porcine aortic valve leaflets in diastole 9—53168
Chong, M.S. *see* Perry, A.E. 9—50825
Chong, Y.L. *see* Hsu, F.H. 9—83051
Chong Chong Tow *see* Tow Chong Chong
Chong Chul Yook *see* Chung Woo Ha 9—54742
Chong Hung Wu *see* Wu Chong Hung
Chong Kwan Un *see* Un Chong Kwan
Chong Mu Lee *see* Hyung Sup Choi 9—91652
Chong Tow Chong *see* Tow Chong Chong
Chong-guo Yao *see* Yao Chong-guo
Chong-ming Xu *see* Xu Chong-ming
Chong-Ru Huo *see* Huo Chong-Ru
Chong-shou Gao *see* Gao Chong-shou
Chong-Won Lee *see* Phillips, A. 9—90146
Chong-Yuan Zhu *see* Zhu Chong-Yuan
Choo, S.C. *see* Leong, M.S. 9—87154
Choo Park Pyung *see* Pyung Choo Park
Choong Woong Lee *see* Lee Choong Woong
Choonkyu Lee *see* Brown, L.S. 9—49390
Choplin, F., Bonnet, P., Zimmer, M.H., Kaufmann, G. Interactive strategy in computer design of synthesis 9—91945
Chopornyak, D.B. *see* Kask, N.E. 9—61471, 9—89979
Chopornyak, D.B. *see* Zelikin, N.V. 9—89952
Chopp, M. *see* Liboff, A.R. 9—58458
Chopra, I., Dugundji, J. Non-linear dynamic response of a wind turbine blade 9—81771
Chopra, I.L. *see* Tao, T.V. 9—82700
Chopra, K.L. *see* Akhtar, D. 9—52268, 9—56974, 9—87018
Chopra, K.L. *see* Banerjee, A. 9—61988, 9—79397
Chopra, K.L. *see* Bhat, P.K. 9—74515
Chopra, K.L. *see* Das, S.R. 9—61991, 9—92080
Chopra, K.L. *see* Dutta, V. 9—99642
Chopra, K.L. *see* Gogna, P.K. 9—62028, 9—79404
Chopra, K.L. *see* Mohan, B. 9—71454
Chopra, K.L. *see* Nath, P. 9—51689, 9—87168
Chopra, K.L. *see* Rajagopalan, S. 9—56871
Chopra, K.L. *see* Rao, T.V. 9—95868
Chopra, K.L. *see* Shanthi, E. 9—61992
Chopra, K.L. *see* Sharma, N.C. 9—90915, 9—95952
Chopra, K.L. *see* Vankar, V.D. 9—90910
Chopra, K.N., Grover, O.P., Hradaynath, R. Antireflection coatings effective at two wavelengths simultaneously in the visible region using homogeneously mixed dielectrics 9—76770
Chopra, K.N. *see* Kohli, K.S. 9—72654, 9—81506, 9—83628
Chopra, S.L. *see* Sood, M.L. 9—95193
Chopra, V., Dharmadurai, G., Satya Murthy, N.S. Detachable leads for superconducting magnets 9—63240
Chopra, V., Dharmadurai, G., Satya Murthy, N.S. Detachable leads for superconducting magnets 9—75557
Chopra, V.K. *see* Gupta, G.S. 9—96631
Choquard, P. Exact linearization of the first equation of the BBGKY hierarchy 9—75461
Choquet, G., Choquet-Bruhat, Y. On a problem related to stability of initial data in general relativity 9—54019
Choquet-Bruhat, Y. *see* Chaljub-Simon, A. 9—71302
Choquet-Bruhat, Y. *see* Choquet, G. 9—54019
Chorley, D.W., Frind, E.O. An iterative quasi-three-dimensional finite element model for heterogeneous multiaquifer systems 9—79905
Chorna, M.F. Ergodic condition for one class of the Markov chains homogeneous by the second component with boundary 9—49164
Chornei, S.A. *see* Ivanov, S.A. 9—65156
Choros, J., Adams, G.G. A steadily moving load on an elastic beam resting on a tensionless Winkler foundation 9—64519
Chou, C.C. *see* Sinha, S.C. 9—64551
Chou, C.H. *see* Khuri-Yakub, B.T. 9—65798
Chou, C.H. *see* Rippie, E.G. 9—60057
Chou, C.-P., Davis, L.A., Hasegawa, R. Elastic constants of Fe(Ni,Co)-B glasses 9—83249
Chou, C.-P. *see* O'Handley, R.C. 9—87289
Chou, M.-S., Zawadzkas, G.A. Method of forming an inexpensive high-temperature metal foil seal 9—80597
Chou, P.Y., Easman, G.D. Prediction of β-turns [globular proteins] 9—83698
Chou, P.Y., Fasman, G.D. Conservation of chain reversal regions in proteins 9—83699
Chou, S.-C. *see* Tabrah, F.L. 9—83814
Chou, T.T. Radii of the pions and the kaons 9—89137
Chou, T.T., Chen Ning Yang Elastic hadron-hadron scattering at ultrahigh energies and existence of many dips 9—89191
Chou, Y.T. *see* Yang, H.C. 9—55741
Chou Kuan-chao, Dai Yuan-ben Soliton-soliton scattering and the semi-classical approximation for the problem of scattering in three-dimensional space 9—49091
Chou Ming-yu, Yang Kuang-chi, Sung Cheng-shan, Wang Kuei-fang, Lee Kuo-ching, Wang Hsing-tung, Chen Chang-chao Experimental simulation of Western Pacific subtropical high in summer 9—84415
Chou Pei Chi *see* Pei Chi Chou
Chou Wei-nan *see* Hsia Ke-ting 9—62797
Chouan, Y. *see* Collobert, D. 9—52116
Choudhuri, S. *see* Basu, C. 9—82203
Choudhury, A. *see* Basu, C. 9—82203
Choudhury, A.N.M.M., Robson, P.N. Hole traps in n-InP by d.l.t.s. and transient capacitance techniques 9—51514
Choudhury, B., Kukla, G. Impact of CO_2 on cooling of snow and water surfaces 9—92569
Choudhury, B.J., Chang, A.T.C. Two-stream theory of reflectance of snow 9—88376
Choudhury, D.C. *see* Parsa, Z. 9—59013
Choudhury, M.A. *see* Gir, R. 9—66820
Choudhury, M.A. *see* Subhash, S.M.G. 9—79757
Choudhury, M.H. The spectral properties of many-electron atomic Hamiltonians and the method of configuration interaction. II. Compactness proof associated with an infinite system of linear equations for two-electron atoms 9—63922
Choudhury, M.H. The spectral properties of many-electron atomic Hamiltonians and the method of configuration interaction. III. Compactness proof associated with an infinite system of linear equations for n-electron atoms 9—72247
Choudhury, M.H., Pearson, D.B. The spectral properties of many-electron atomic Hamiltonians and the method of configuration interaction. I. Proof of convergence of the configuration interaction method 9—59368
Choudhury, N.K.D. *see* Mohan, D. 9—62140
Choudhury, R.K., Kapoor, S.S., Nadkarni, D.M., Rama Rao, P.N. Use of gridded ionisation chamber for measuring fission fragment angle 9—85865
Choudhury, T. *see* Krori, K.D. 9—71339
Chouet, B. Temporal variation in the attenuation of earthquake coda near Stone Canyon, California 9—57861
Chouet, B. Sources of seismic events in the cooling lava lake of Kilauea Iki, Hawaii 9—84156
Chouet, B.A. *see* McGetchin, T.R. 9—70774
Chougule, B.K., Patil, R.N. X-ray K-absorption edge of zirconium in some perovskite-type zirconates 9—91529
Choukroun, M.L. *see* Flandrois, S. 9—73122
Choukroun, S., Launay, J.-C., Pouchard, M., Combarnous, M. Definition of the hydrodynamic regime acquired during the course of crystallisation in gas phase transport 9—51029
Chouldhary, A. *see* Srivastava, K.N. 9—64584
Chouteau, J. *see* Guiliano, M. 9—50178
Chovanec, F. *see* Aksenov, V.G. 9—54224
Chovet, A. *see* Dilmi, T. 9—99592
Chow, H., Thompson, E.D. The optical potential in the scattering of hydrogen and deuterium atoms from LiF and NaF (001) 9—52069
Chow, H.C. *see* Roshd, M.H.M. 9—59135
Chow, L. *see* Noda, M. 9—82695
Chow, M.C. *see* Wu, S.M. 9—93750
Chow, P.L., Maestrello, L. Stochastic inverse problem in the radiation of noise 9—49168
Chow, T.L. *see* de Vries, J. 9—84320
Chow, T.S. Deformational contact and friction on viscoelastic substrates 9—50677
Chow, T.S. *see* Penwell, R.C. 9—95274
Chow, W. *see* Sanders, V. 9—72604
Chow, W.L., Han, T. Inviscid solution for the problem of free overfall 9—64773
Chow, W.L. *see* Cohen, M.J. 9—60042
Chow, W.W. Embedded markers to measure strain in extremely soft materials 9—57162
Chow Chiu Lue-Yung *see* Lue-Yung Chow Chiu
Chow Weng W. *see* Weng W. Chow
Chowdari, B.V.R., Ravi Sekhar, Y. Thermal depolarization in dichromate doped KDP and ADP single crystals 9—51303
Chowdari, B.V.R., Ravi Sekhar, Y. CrO_4^{3-} centers in $NH_4Al(SO_4)_2.12H_2O$ single crystals 9—91475
Chowdari, B.V.R., Ravi Sekhar, Y. Electrical conductivity and thermal depolarisation studies of CrO_4^{2-} and $Cr_2O_7^{2-}$ doped KDP and ADP crystals 9—95212
Chowdhry, A.R., Barnard, R.D. The thermopowers and resistivities of copper alloyed with homovalent and polyvalent impurities and the validity of the Nordheim-Gorter relation 9—65438
Chowdhuri, J., Chatterjee, P., Chatterjee, S. Relativistic energy bands of indium by RKKRZ method 9—51478
Chowdhuri, J., Chatterjee, S. Relativistic Green function theory of the energy bands of heavy solids: application to thallium 9—82512
Chowdhury, A.R., Roy, T. Prolongation structure for Langmuir solitons 9—88814
Chowdhury, F.B. *see* Das, J. 9—83989
Chowdhury, K.L., Epstein, M., Glockner, P.G. On the thermodynamics of non-linear elastic dielectrics 9—67164
Chowdhury, M. *see* Bagchi, S. 9—94009
Chowdhury, M. *see* Sen, A.C. 9—91409
Choy, C.L., Leung, W.Y., Chen, F.C. Heat capacity of poly(vinylidene fluoride) and polytetrafluoroethylene between 5 and 200K 9—86900
Choy, M.M., Zwicker, W.K., Chinn, S.R. Emission cross section and flashlamp-excited NdP_5O_{14} laser at 1.32 μm 9—59701
Choy, T.T.C. *see* Poon, C.S. 9—53066
Chreitzberg, A.M., Consolloy, J.W., Manning, M.R., Sklarchuk, J.C. Performance of molten salt sodium/β-alumina/$SbCl_3$ cells 9—52922
Chrenka, L., Rybansky, M. Measurements of the night-sky light by a zenith photometer at Lomnicky Stit 9—53601
Chrenko, R.M. *see* Mao, H.K. 9—91888
Chrien, R. *see* Colestock, P. 9—98955
Chrien, R. *see* Marlow, D. 9—85564
Chrien, R.E. *see* Liou, H.I. 9—54435
Chrien, R.E. *see* Stelts, M.L. 9—54440
Chrisman, R.W. *see* Loy, B.R. 9—74460
Chrisp, M. *see* Speer, R.J. 9—76891
Christen, D. *see* Cremer, D. 9—59594
Christensen, A.N., Dietrich, O.W., Kress, W., Teuchert, W.D. Phonon anomalies in transition-metal nitrides: ZrN 9—86858

Christensen, A.N., Dietrich, O.W., Kress, W., Teuchert, W.D., Currat, R. Phonon anomalies in transition metal nitrides: δ-NbN 9—99284
Christensen, A.N. *see* Weber, W. 9—99283
Christensen, C. On the origin of spherical particles found on fatigue fracture surfaces and ferrograms 9—79112
Christensen, C. *see* Bauer, R. 9—65773
Christensen, D.A. *see* Bardsley, B. 9—50552
Christensen, D.A. *see* Johnson, S.A. 9—53282
Christensen, D.A. *see* Riazi, A. 9—54177
Christensen, D.A. *see* Volz, R.J. 9—70603, 9—78158
Christensen, D.H. *see* Lund, P.-A. 9—51973
Christensen, H.P. Spectroscopic analysis of $LiHoF_4$ and $LiErF_4$ 9—95756
Christensen, H.P. Spectroscopic analysis of $LiTmF_4$ 9—95757
Christensen, M.J. Extension theorems for operator-valued measures 9—49075
Christensen, N.E. *see* Zurcher, P. 9—74055
Christensen, N.H., Johansen, V. Chemical effects on ceramic reactions 9—91935
Christensen, O. *see* Hillis, D.L. 9—89320
Christensen, P. *see* Andersen, J.R. 9—61846
Christensen, P.R. *see* Artemov, K.P. 9—63688
Christensen, R., Rohrer, R. The SPEAR code system: LWR fuel rod mechanical performance predictor 9—93730
Christensen, R.A., Woodbury, G., Jr. The thermodynamic potential for homogeneous nucleation in a two-dimensional lattice gas 9—82326
Christensen, R.B. *see* Watson, W.D. 9—94079
Christensen, R.C., Sayeg, J.A. Attenuation characteristics of gypsum wallboard 9—70651
Christensen, S.H. *see* Uhrich, D.L. 9—71168
Christensen, S.M., Deser, S., Duff, M.J., Grisaru, M.T. Chirality, self-duality, and supergravity counterterms 9—75429
Christensen, S.M., Duff, M.J. New gravitational index theorems and super theorems 9—75432
Christenson, D., McNaughton, M.W., Jungerman, J.A. Monte Carlo calculation of d-Be neutron yields 9—49887
Christian, H., Elfinger, F.-X., Lobert, P., Raible, B. Non-destructive testing for failure prevention [nuclear components] 9—52560
Christian, P.A. *see* Murphy, D.W. 9—92073
Christiansen, J.J. *see* Bak, B. 9—63989
Christiansen, J.J. *see* Nicolaisen, F.M. 9—50014
Christiansen, J.P., Winsor, N.K. CASTOR 2: a two-dimensional laser target code 9—86594
Christiansen, P.A., McCullough, E.A., Jr. Coupled Hartree-Fock hyperpolarizabilities of FH and the basis set dependency problem 9—76357
Christiansen, P.J. *see* Gough, M.P. 9—70934
Christiansen, P.L., Olsen, O.H. On dynamical two-dimensional solutions to the sine-Gordon equation 9—82725
Christiansen, R.L. *see* Muffler, L.J.P. 9—70428
Christiansen, S. An investigation of an integral equation method for determination of the shearing stress in Saint-Venant torsion 9—80445
Christiansen, S. A microcomputer-based speech synthesis system 9—94421
Christianson, O. *see* Van Sciver, S.W. 9—60576
Christiansson, J.E., Dubois, J., Roth, H. Reactions induced by ^{16}O on ^{9}Be 9—49599
Christiany, L., Fuzellier, H., Lagrange, P., Herold, A. Physisorption of hydrogen by an intercalation compound ZrS_2Cs_x 9—65305
Christie, W.H. *see* Narayan, J. 9—73191
Christie, W.H. *see* Wang, J.C. 9—69148
Christillin, P., Ericson, T.E.O. Two photon emission in pion capture on ^{12}C 9—85526
Christman, S.B. *see* Margaritondo, G. 9—74057
Christman, S.B. *see* Schluter, M. 9—77910
Christman, T., Shewmon, P.G. Erosion of a strong aluminum alloy 9—61740
Christman, T., Shewmon, P.G. Adiabatic shear localization and erosion of strong aluminum alloys 9—96157
Christmann, K., Behm, R.J., Ertl, G., van Hove, M.A., Weinberg, W.H. Chemisorption geometry of hydrogen on Ni(111): order and disorder 9—65311
Christmann, K., Ertl, G., Shimizu, H. The growth and structure of copper films on (0001) ruthenium surfaces 9—77958
Christmann, K., Herz, H. Precise diode method for recording contact potential changes caused by gas adsorption 9—88982
Christodoulides, C.E. *see* Grant, W.A. 9—87911
Christodoulides, C.E. *see* Grundy, P.J. 9—91272
Christodoulides, C.E. *see* Kiriakidis, G. 9—74038
Christodoulides, C.E. *see* Titov, A.I. 9—73227
Christodoulidis, D.C. Influence of the atmospheric masses on the gravitational field of the Earth 9—57841
Christodoullides, A.A. *see* Schumacher, R. 9—50143
Christodoulou, D., Francaviglia, M. Some dynamical properties of Einstein space-times admitting a Gaussian foliation 9—88845
Christodoulou, D., Schmidt, B.G. Convergent and asymptotic iteration methods in general relativity 9—93002
Christodoulou, D. *see* Aurilia, A. 9—93341, 9—97574
Christoph, V. Temperature dependence of the electrical resistivity of disordered metallic alloys 9—51542
Christoph, V. *see* Schiller, W. 9—91028
Christopher, L.A. *see* Straus, J.M. 9—74996
Christopher, R.J., Kinard, D.P., Schaaf, R. Microprocessor-controlled recorder 9—93123
Christophorou, L.G., James, D.R., Mathis, R.A. On the role of the electron impact ionisation and electron scattering cross-section in the breakdown strength of dielectric gases 9—82031
Christophorou, L.G., McCorkle, D.L., Maxey, D.V., Carter, G. Fast gas mixtures for gas-filled particle detectors 9—76279
Christophorou, L.G. *see* Siomos, K. 9—68899
Christopoulos, C. The electrical conductivity of caesium plasma 9—64831
Christopoulos, C. *see* Green, A.J. 9—73048
Christou, A. Solid phase formation in Au:Ge/Ni, Ag/In/Ge, In/Au:Ge GaAs ohmic contact systems 9—60658
Christou, A., Davey, J.E., Day, H.M., Macpherson, A.C. Epitaxial growth of Al/GaAlAs films on (100) GaAs by hot vacuum deposition 9—56085
Christou, N.I. *see* Lavis, D.A. 9—93056
Christova, E.Ch., Petcov, S.T. Mode-independent analysis of the weak interaction in e^--N elastic scattering experiments 9—71753
Chritz, A.P. *see* Ishai, I. 9—57188
Chroboczek, J., Jiang, C.L., Pollak, M., Wild, R.L., Fritzsche, H. Hopping transport in p-Ge at high magnetic field and uniaxial stress 9—95412
Chroboczek, J.A. *see* Stepniewski, R. 9—69813
Chromey, F.R. Spectral types for faint blue stars near the galactic anticenter 9—71021
Chrostowski, J., Delisle, C. Asymmetrical Fabry-Perot interferometer with feedback 9—85163
Chrostowski, J., Delisle, C. Bistable piezoelectric Fabry-Perot interferometer 9—97420
Chrostowski, J., Zardecki, A. Noise transformation by optically bistable system 9—59746
Chrostowski, J. *see* Krasinski, J. 9—50356
Chrustalev, Ju.A., Krotova, N.A. Emission of high energy electrons in the destruction of different solids 9—52317
Chrysochoos, J. Near resonance interactions associated with the temperature dependence of fluorescence self-quenching of Sm^{3+} in $POCl_3$:$SnCl_4$ 9—65915
Chrzeszczyk, A. On existence and uniqueness problem of generalized solutions for nonlinear system of differential equations 9—71249
Chu, B. Dynamics of macromolecular solutions 9—59603
Chu, B., Gulari, E., Gulari, E. Photon correlation measurements of colloidal size distributions. II. Details of histogram approach and comparison of methods of data analysis 9—58801
Chu, B. *see* Gulari, E. 9—67456, 9—90812
Chu, B. *see* Nose, T. 9—73085
Chu, C.C., Best, P.E. Bremsstrahlung isochromat from nickel: Effects of incident-electron energy and final-state symmetry 9—69909
Chu, F.Y.F. *see* Karney, C.F.F. 9—64857, 9—75371
Chu, F.Y.F. *see* Pereira, N.R. 9—64853
Chu, H.Y. ALICE: A hybrid Lagrangian-Eulerian code for containment analysis 9—49736
Chu, M.S. *see* Hsu, J.Y. 9—77406
Chu, P.L. Nondestructive refractive-index profile measurement of elliptical optical fibre or preform 9—64322
Chu, P.L., Whitbread, T. Measurement of refractive-index profile of optical-fibre preform 9—59815
Chu, P.L., Whitbread, T. Nondestructive determination of refractive index profile of an optical fiber: fast Fourier transform method 9—64307
Chu, P.L. *see* Saekeang, C. 9—64306
Chu, S., Conti, R., Bucksbaum, P., Commins, E. Making mica retardation plates: a simple technique 9—64364
Chu, S.-I. Quasienergy formalism for photoionization in intense radiation and magnetic fields 9—72284
Chu, S.N.G., Li, J.C.M. Impression creep of β-tin single crystals 9—91743
Chu, S.S. *see* Chu, T.L. 9—57426
Chu, T.L., Chu, S.S., Lin, C.L., Abderrassoul, R. High-efficiency thin-film polycrystalline-silicon solar cells 9—57426
Chu, T.S. Effects of sandstorms in microwave propagation 9—70834
Chu, W. Very low dose ion implantation by scattering method 9—77617
Chu, W.K. Energy loss of charged particles 9—95060
Chu, W.K., Masters, B.J. Channeling study of the formation of arsenic clusters in silicon 9—69128
Chu, W.K., Poponiak, M.R. Method of reducing arsenic thermal diffusion by noble gas ion implantation 9—77616
Chu, W.K., Raeside, D.E., Chandraratna, P.A.N., Brown, R.E., Poehlmann, H. Echocardiogram analysis in a pattern recognition framework 9—83864
Chu, W.K. *see* Alessandrini, E.I. 9—82249
Chu, W.K. *see* Ho, P.S. 9—87552
Chu, W.K. *see* Mayer, J.W. 9—96408
Chu, W.P., McCormick, M.P. Inversion of stratospheric aerosol and gaseous constituents from spacecraft solar extinction data in the 0.38-1.0-μm wavelength region 9—74961
Chu, W.P. *see* McCormick, M.P. 9—53444
Chu, W.T. Spatial cross-correlation of reverberant sound fields 9—68496
Chu, W.T. *see* Alonso, J.R. 9—79631
Chu, Y.S. *see* Barber, D. 9—54289, 9—54346
Chu, Y.S. *see* Barber, D.P. 9—89175, 9—97631
Chu Cheng *see* Cheng Chu
Chu Jun-hao *see* Zhu Wei 9—80812
Chu Kai-ching *see* Kai-ching Chu
Chu Keh-Chang *see* Keh-Chang Chu
Chu Kwong *see* Kwong Chu
Chu Lee Chul *see* Chul Chu Lee
Chu Mei-Shiang *see* T'ung Wei 9—79759
Chu Shu-Yuan *see* Shu-Yuan Chu
Chua, L.O. *see* Abidi, A.A. 9—73635
Chuan-ching Sun *see* Sun Chuan-ching
Chuan-Zan Yu *see* Yu Chuan-Zan
Chuan-Zhen Zhu *see* Zhu Chuan-Zhen
Chuang, H. Effects of free-stream velocity and pressure gradients on MHD boundary-layer control 9—55423
Chuang, L.S. *see* Sanada, J. 9—71836, 9—71857
Chuang, S.Y. *see* Hsu, F.H. 9—83051
Chuang, S.Y. *see* Tseng, P.K. 9—86091, 9—91318
Chuang, T.J. Infrared chemiluminescence from surface reactions 9—83504
Chuang, T.J., Brundle, C.R., Wandelt, K. An XPS study of the chemical changes in oxide and hydroxide surfaces induced by Ar^+ ion bombardment 9—83084
Chuang, T.J., Winters, H.F., Coburn, J.W. An XPS and Auger investigation of CF_3^+ ion bombardment of silicon 9—70367
Chuang Chiu-Kuang *see* Chiu-Kuang Chuang
Chuang Jou Dong *see* Dong Chuang Jou
Chuang Yii-Der *see* Yii-Der Chuang
Chuangtian Chen *see* Chen Chuangtian
Chub, E.V. *see* Kolosov, M.A. 9—80253
Chub, E.V. *see* Yakovlev, O.I. 9—62777
Chubachi, N. Ultrasonic transducers using a piezoelectric polyvinylidene flouride 9—98579
Chubakova, E.I. *see* Ivanov, Yu.A. 9—70390
Chubarian, E.V. *see* Papoyan, V.V. 9—96906
Chubarov, D.N. *see* Gur'ev, Yu.L. 9—94476
Chubarov, V.M. *see* Portnoi, K.I. 9—61508
Chubb, W. *see* Lutz, R.J. 9—59227
Chubich, A.A. *see* Dmitriev, V.P. 9—56800
Chubin, D.E., Studer, K.E. Knowledge and structures of scientific growth. Measurement of a cancer problem domain 9—71219
Chubinskii, O.V. *see* El'Ashri, F.M. 9—80911, 9—80939
Chubov, P.N. Effects of inhomogeneities and measurement current on the current-voltage characteristics of superconducting nonsymmetric tunnel junctions 9—87196
Chuburkov, Y.T. *see* Flerov, G.N. 9—96781
Chuchkov, E.A. *see* Vernov, S.N. 9—80126
Chudakov, A.E. *see* Alekseev, E.N. 9—80163, 9—80164
Chudakov, A.E. *see* Dzhappuev, D.D. 9—53688
Chudakov, G.V. *see* Bron, Yu.M. 9—79210
Chudakov, P.D. Axisymmetrical sedimentation by rough plates 9—79300
Chudinov, S.M. *see* Akimov, B.A. 9—65381, 9—65382, 9—69413
Chudinov, S.M. *see* Brandt, N.B. 9—61053, 9—73431
Chudinova, N.N., Avaliani, M.A., Guzeeva, L.S. Reaction of gallium oxide with phosphoric acid at 100-500°C 9—52641
Chudinova, N.N., Shklover, L.P., Balanevskaya, A.E., Schkol'nikova, L.M., Obodovskaya, A.E., Balagina, G.M. Reaction of formation of lanthanum metaphosphate from lanthanum oxide and ammonium phosphate 9—79235
Chudinova, N.N., Tananaev, I.V., Avaliani, M.A. Synthesis of double gallium-potassium polyphosphates in polyphosphoric acid melts 9—52642
Chudinova, S.A. *see* Malinenko, I.A. 9—95048
Chudnenko, A.N. Stability of steady rotation of a solid body about axes other than the principle axes 9—63018
Chudnova, R.S. *see* Smirnov, B.I. 9—100228
Chudnovskii, F.A. *see* Andreev, V.N. 9—65845
Chudnovskii, F.A. *see* Averkin, A.A. 9—73438
Chudnovskii, F.A. *see* Zakharchenya, B.P. 9—68414, 9—71531
Chudnovsky, D.V. Stationary solutions of multicomponent chiral and gauge models 9—85213
Chudnovsky, D.V. Completely integrable operator evolutionary equations 9—97248
Chudnovsky, D.V., Chudnovsky, G.V. Multisoliton formula for completely integrable two-dimensional systems 9—67166
Chudnovsky, G.V. *see* Chudnovsky, D.V. 9—67166
Chudy, M. *see* Povinec, P. 9—68144
Chuenkov, A.M. Water throwing device for providing special effects in motion picture photography 9—89028

Chueshov, I.D. Stability of regularizations of the Schrodinger operator with singular repulsive potential 9—88841
Chueshov, I.D. Probability structure of a class of equations for the S-matrix in boson theory 9—89071
Chughtai, N.A. *see* Chaudhri, M.A. 9—66385
Chugui, Yu.V. *see* Krivenkov, B.E. 9—94155
Chugui, Yu.V. *see* Mikhlyaev, S.V. 9—94154
Chugunov, A.Yu. *see* Basov, N.G. 9—89930
Chugunov, A.Yu. *see* Boiko, V.A. 9—90468
Chugunov, V.D. *see* Kurolenkin, E.I. 9—57176
Chugunov, Yu.V. *see* Trakhtengerts, V.Yu. 9—80072
Chugunova, S.I. *see* Gnesin, G.G. 9—96136
Chugunova, S.I. *see* Gridneva, I.V. 9—95015
Chugunova, S.I. *see* Onishchenko, N.Ya. 9—52376
Chui, S.T. Thermal impurity depinning in two dimensions 9—73565
Chui, S.T. Theory of channeling radiation—a comment 9—77659
Chui, S.T., Bray, J.W. Electron localization and delocalization in the one-dimensional Tomonaga model with backscattering and impurities 9—73455
Chui, S.T., Forgacs, G., Frisch, H.L. Migdal-type renormalization-group calculation for the kinetic Ising model 9—93069
Chui, S.T. *see* Bray, J.W. 9—78029
Chui Yuan-ri State of the art about transparent conducting films 9—73610
Chuikin, E.I. *see* Belyaevskii, A.I. 9—84597
Chuiko, A.A. *see* Mironov, S.L. 9—91123
Chuiko, G.A., Yakobson, A.M. Device for measuring the dynamic range of image converters 9—68431
Chuikova, N.A. On the applicability of a satellite model of the potential at the physical surface of a planet 9—62774
Chuistov, K.V. *see* Gun'ko, L.P. 9—57008
Chujo, Y. *see* Sawaragi, Y. 9—57535
Chukanova, I.N. *see* Aleksandrovskaya, N.G. 9—69866
Chukhlovin, B.A. *see* Kolesnikov, S.V. 9—66483
Chukhnin, A.Ya. *see* Zakharnev, A.P. 9—50399
Chukhovskii, F.N., Arustamyan, A.M. A dynamical analytical theory of the dislocation image contrast in electron transmission microscopy 9—95014
Chukhovskii, F.N., Danishevskii, A.L. Direct electron-microscope image of the atomic structure of gold. Multiray calculation of projection of crystal lattice in ⟨111⟩ direction 9—94855
Chukhovskii, F.N. *see* Petrashen', P.V. 9—86647
Chukhrov, A.Yu. Thermomagnetic convection with distributed source in coaxial gap 9—94622
Chukhrov, F.V., Gorshkov, A.I., Sivtsov, A.V., Berezovskaya, V.V. A new 14 Å mineral of the birnessite group in deep-sea micronodules 9—74892
Chukichev, M.V. *see* Gorban', I.S. 9—52028
Chukichev, M.V. *see* Vavilov, V.S. 9—52027
Chuklova, V.T. *see* Zubtsov, V.M. 9—86568
Chu'ko, B.V. *see* Apokin, V.D. 9—67615
Chukova, Y.P. *see* Arapova, E.Y. 9—52021
Chukova, Yu.P. Photoconductivity of diamond in N2 absorption band 9—91102
Chukova, Yu.P. *see* Pavlova, E.F. 9—60919
Chul Chu Lee *see* Youn Kyu Koh 9—50869
Chul Myung Hyo *see* Hyo Chul Myung
Chul Yook Chong *see* Chong Chul Yook
Chultem, D. *see* Polikanov, S.M. 9—49569
Chumachkova, M.M. *see* Blasenko, N.A. 9—78757
Chumaevskaya, A.N. *see* Korshak, V.V. 9—57123
Chumak, A.A. *see* Tarasenko, A.A. 9—51644
Chumakov, M.M. *see* Burgov, N.A. 9—97710
Chumakov, N. *see* Venikov, N. 9—54651
Chumakov, Yu.S. *see* Lapin, Yu.V. 9—98822
Chumakova, L.D. Quantitative phase analysis of textured samples of Fe-Mn alloys 9—52528
Chumanenko, V.P. Solution of a class of electrodynamical problems by the method of integral equations 9—64157
Chumanov, A.V. *see* Kravets, A.N. 9—98320
Chumanov, V.Ya., Izmailov, Sh.Z., Pokhil, G.P., Sirotinin, E.I., Tulinov, A.F. On the determination of energy losses by charged particles from the backscattered energy spectra 9—83086
Chumin, V.G. *see* Vylov, Ts. 9—75917
Chun, C.H. *see* Wuest, W. 9—73117
Chun, C.S.L. Energy and angular correlations in $\tau \to \pi K \nu$ 9—89214
Chun, M. *see* Sernetz, M. 9—100799
Chun Chiang Gross vision of a word enhnaces the perceptibility of its component letters: a model 9—53145
Chun Kwan Sik *see* Kwan Sik Chun
Chun-Can Lin *see* Lin Chun-Can
Chun-fa Ching *see* Ching Chun-fa
Chun-hang Qiu *see* Qiu Chun-hang
Chun-Ming Ma On square-summability and uniqueness questions concerning non-stationary Stokes flow in an exterior domain 9—72870
Chun-zhi Li *see* Li Chun-zhi
Chunakova, N.M. *see* Kopylov, I.M. 9—97011
Chundy, M., Janik, R., Povinec, P. Tritium monitoring with a scintillation chamber 9—89519
Chung, A. *see* Bell, J. 9—67422
Chung, C.H. *see* Murawski, L. 9—65479
Chung, C.T. *see* Woon Sang Yu 9—88160
Chung, D.D.L. *see* Culik, J.S. 9—52206
Chung, D.K. *see* Specht, E.R. 9—49666
Chung, D.Y., Konecny, V. The determination of the orientation of cubic crystals from measured sound velocities 9—55691
Chung, D.Y. *see* Isler, W.E. 9—55830
Chung, H., Halle, H. Vibration studies of perforated plates on CRBRP mixing-tee model 9—49665
Chung, H. *see* Sackett, W.M. 9—88369
Chung, H.M. *see* Sackett, W.M. 9—84263
Chung, M.S. *see* Williams, M.W. 9—99954
Chung, P.S. *see* Pantell, R.H. 9—49349
Chung, S.G. *see* Inoue, M. 9—63048
Chung, W. *see* Oelert, W. 9—93509
Chung Bo Hun Startup and operating experiences of Kori nuclear power plant unit I 9—76080
Chung Chan *see* Ze, F. 9—77373
Chung Chang Hyun *see* Chang Hyun Chung
Chung Chang Sub A study on the PbO thin films 9—60943
Chung Ching Yang *see* Josefowicz, J.Y. 9—99627
Chung Hsiang-chen *see* Wang Chung-shun 9—92187
Chung Ko Hon *see* Hon Chung Ko
Chung Kuo-cheng *see* Dai Fu-lung 9—72866
Chung Nak Sam *see* Nak Sam Chung
Chung Nam Whang *see* Youn Kyu Koh 9—50869
Chung Shiaw-Horng *see* Shiaw-Horng Chung
Chung Soo Cho *see* Young Soon Kwak 9—91353
Chung Woo Ha, Moon, P.S., Chong Chul Yook A study on the method of nonlinearity correction in a GM counter 9—54742
Chung Yu Beamshaping and polarization control properties of flexibile hollow metallic rectangular pipes in the midinfrared 9—76856
Chung Yuan Mou, Lovett, R. A hydrodynamic theory for homogeneous vapor nucleation in a carrier gas 9—69236
Chung-I Tan *see* Dash, J.W. 9—75747
Chung-In Um *see* Isihara, A. 9—86959
Chung-Lih Hsieh *see* Schaffer, M.J. 9—50885
Chung-Lu Hsieh *see* Terner, J. 9—83705
Chung-shou Gao *see* Gao Chung-shou
Chung-shun Wang *see* Wang Chung-shun
Chung-Whei Kao *see* Chwang, R. 9—91067
Chuntnov, K.A. *see* Yatsenko, S.P. 9—52163
Chuntonov, K.A. *see* Yatsenko, S.P. 9—78932
Chupov, V.V., Shibaev, V.P., Plate, N.A. Structure and physicochemical properties of comb-like polypeptides based on poly-L-lysine 9—55644
Chupp, W., Clark, D., Richter, R., Staples, J., Zajec, E. Operation of a high-current xenon source 9—72039
Chupp, W. *see* Abbott, S. 9—76229
Chuprikov, G.E. *see* Posyado, V.P. 9—90800
Chuprina, V.G. *see* Arbuzov, M.P. 9—96221
Chupriyanova, N.Ye., Volkova, V.I., Viktorov, A.V., Barsukov, L.I., Veinberg, A.Ya., Samokhvalov, G.I. Orientation of the gangliosides in the bilayer vesicular membranes 9—92162
Chuprunov, E.V., Tarkhova, T.N., Belov, N.V. Interpretation of partial Patterson syntheses 9—60296
Chuprunov, E.V., Tarkhova, T.N., Korallova, T.Yu., Belov, N.V. Determination and refinement of crystal structure of N-trimethyl stannyl phthalimide 9—90638
Chuprunov, E.V. *see* Tarkhova, T.N. 9—51097
Chupyatova, L.P. *see* Kurdyumov, V.G. 9—90676
Chura, V., Dvorak, F. Force between circular coil and parallel iron slab 9—76547
Churaev, I.V. *see* Ershova, G.F. 9—56773
Churaev, N.V. *see* Barer, S.S. 9—55913, 9—56037
Churaev, N.V. *see* Kiseleva, O.A. 9—55416
Churaev, N.V. *see* Prozorov, E.N. 9—72942, 9—86510
Churaev, N.V. *see* Starov, V.M. 9—56044
Churakov, C.F. *see* Velikhov, E.P. 9—76122
Churakov, G.F. *see* Velikhov, E.P. 9—71954
Churakov, V.V. *see* Bertel', I.M. 9—89887, 9—94205
Churakov, V.V. *see* Leshenyuk, N.S. 9—94067
Churassy, S., Grenet, G., Gaillard, M.L., Bacis, R. Hyperfine structure in the B-X transition of the iodine molecule near the head of the 12-0 band, by laser spectroscopy of a pure iodine supersonic jet 9—81234
Church, B.N. Shackanite and related analcite-bearing lavas in British Columbia 9—57921
Church, E.L., Jenkinson, H.A., Zavada, J.M. Relationship between surface scattering and microtopographic features 9—59639
Church, J.S. *see* Durig, J.R. 9—89668
Church, T.M. *see* Pellenbarg, R.E. 9—57984
Church, W.R. *see* Laurent, R. 9—57923
Churches, A.E., Howlett, C.R., Waldron, K.J., Ward, G.W. The response of living bone to controlled time-varying loading: method and preliminary results 9—70566
Churchill, J.N., Holmstrom, F.E., Collins, T.W. Dynamic model for e-beam irradiation of MOS capacitors 9—91147
Churchill, J.W. Conserve energy in diffusion pumps 9—49242
Churchman, D. Selecting educational goals: is everybody happy? 9—92909
Churchwell, E., Shaver, P.A. A search for radio recombination lines from galaxies and quasars 9—101193
Churchwell, E. *see* Hocking, W.H. 9—71090
Churikov, N.A. *see* Dmitrenko, I.M. 9—91188
Churikova, T.V. *see* Dozelov, V.P. 9—80132
Churilina, N.A. *see* Gavrilenko, V.G. 9—81339
Churilo, V.R. *see* Lukhvich, A.A. 9—80652
Churilov, G.E. *see* Dmitriev, V.M. 9—56377
Churilov, S.S. *see* Kononov, E.Ya. 9—49974
Churkin, A.V. *see* Lozhkin, B.T. 9—67416
Churkin, V.K., Nemchenko, V.P., Popel', S.I., Koz'min, V.A. Rate of interaction between Kh18N10 steel with blowholes and argon- and nitrogen-oxygen mixtures 9—52451
Churnside, J.H., McIntyre, C.M. Joint signal probability distribution of an optical heterodyne array 9—66804
Churnside, J.H., McIntyre, C.M. Joint signal current probability distribution for optical heterodyne receiver arrays in the turbulent atmosphere 9—81368
Churnside, J.H. *see* McIntyre, C.M. 9—64183, 9—86263
Chursin, M.M. *see* Kovalev, V.N. 9—55570
Chursin, V.I. *see* Gol'zand, I.V. 9—57728
Chursina, E.I. *see* Fedosov, V.N. 9—87409
Churunova, L.F. *see* Dorman, L.I. 9—84604
Chushkin, P.I. A slightly blunt wedge at an angle of attack in a supersonic stream 9—86460
Chusov, I.I. *see* Gulyaev, Yu.V. 9—65509
Chusov, M.A. *see* Pleshanov, A.S. 9—98814
Chute, F.S. *see* Kasper, B.L. 9—75110
Chute, R.N. *see* Warren, S.W. 9—88133
Chutia, J., Barua, K. Space-charge-limited currents in polymethylmethacrylate films 9—51686
Chutjian, A. Geometries and focal properties of two electron-lens systems useful in low-energy electron or ion scattering 9—50202
Chutjian, A. *see* Ajello, J.M. 9—89708
Chutov, Yu.I., Baranchuk, N.S., Remneva, T.E. Emission of a pulsating discharge 9—55594
Chutov, Yu.I., Zhovtyanskii, V.A., Podol'skii, V.N. Moving plasma in an electric shock tube with pulsed gas injection 9—77355
Chuu, D.S., Yen, M.M.K., Shan, Y., Hsieh, S.T. Shell-model studies of the ^{90}Y, ^{91}Zr, ^{92}Nb and ^{93}Mo nuclei 9—63593
Chuvaeva, T.I. *see* Alekseeva, I.P. 9—78677
Chuvatina, S.N. *see* Gol'dshtein, Ya.E. 9—83270
Chuvilin, Yu.N. *see* Milevskii, L.S. 9—69184
Chuvyrov, A.N. Diffraction of light by three-dimensional domain structures of nematic liquid crystals 9—64989
Chuvyrov, A.N., Skaldin, O.A. Piezoelectric effect in nematic liquid crystals 9—90551
Chuyanov, V.A. *see* Potapenko, I.F. 9—77343
Chuzo, A.N. *see* Blazhenkov, V.V. 9—64266
Chvoj, Z., Bohun, A. To the fading problem of various glasses on the base of P_2O_5 9—95851
Chwalczyk, F., Rafa, J., Wlodarczyk, E. Propagation of three component non-stationary acoustic waves in layer of ideal liquid. I. Basic solution 9—68458
Chwang, R., Chung-Whei Kao, Crowell, C.R. Normalized theory of impact ionization and velocity saturation in nonpolar semiconductors via a Markov chain approach 9—91067
Chwastiak, S., Barr, J.B., Didchenko, R. High strength carbon fibres from mesophase pitch 9—79031
Chwirut, D.J., Eitzen, D.G. Toward the development of improved reference fatigue cracks for use in ultrasonic nondestructive evaluation 9—100327
Chye, P.W. *see* Skeath, P. 9—100019
Chye, P.W. *see* Spicer, W.E. 9—60637
Chylek, P., Kiehl, J.T., Ko, M.K.W. Infrared extinction and the mass concentration of atmospheric aerosols 9—84473
Chylek, P., Pinnick, R.G. Nonunitarity of the light scattering approximations 9—64175
Chyna, W.E. *see* Hardek, T.W. 9—68051
Chytil, B. *see* Sumichrast, L. 9—55029
Chzhu, R.N. *see* Sochel'nikov, V.V. 9—62598, 9—62599
Ciach, R., Pawlowski, A., Dukiet-Zawadzka, B., Hamankiewicz, M.S. The dendritic segregation of aluminium-magnesium alloys with iron, manganese, silicon and chromium additions 9—56980
Ciach, R., Salawa, J., Loffler, H., Wendrock, G. Modulated structures and position of the coherent spinodal curve in Al-Zn(22 at.%)-Cu(x) alloys 9—87605
Ciach, R. *see* Pawlowski, A. 9—78949
Ciafaloni, M., Onofri, E. Path integral formulation of Reggeon quantum mechanics 9—54283
Ciafaloni, M. *see* Bassetto, A. 9—63418
Cialone, H., Asaro, R.J. The role of hydrogen in the ductile fracture of plain carbon steels 9—57103
Ciampolillo, S., Degrange, B., Dewit, M., Francois, T., Haidt, D., Jaffre, M., Longuemare, C., Matteuzzi, C., Mattioli, F., Pattison, J.B.M., Pohl, M., Vander Velde Wilquet, C., Vilain, P., Wachscmuth, H.W. Total cross section for neutrino charged current interactions at 3 GeV and 9 GeV 9—71739

Cianciara, B., Marcak, H. Geophysical anomaly interpretation of potential fields by means of singular points method and filtering 9—92622
Ciancio, V. Propagation and attenuation of singular wave surfaces in linear inelastic media 9—81799
Ciapala, E., Hofmann, A., Myers, S., Risselada, T. The variation of γ_t with $\Delta p/p$ in the CERN ISR 9—76194
Ciapala, E., Keyser, R., Myers, S. The CERN ISR control scheme for acceleration by phase displacement 9—72213
Ciapetti, G. *see* Angelini, C. 9—67548
Ciardelli, F., Chiellini, E., Carlini, C., Pieroni, O., Salvadori, P., Menicagli, R. Synthetic chiral polymers with aromatic side chains 9—55014
Ciarlet, P.G. A justification of the von Karman equations 9—49047
Ciatti, F. Photometry of Type II and peculiar supernovae 9—53840
Ciavaldini, J.-F., Tournemine, G. Existence and uniqueness of a compressible flow past a profile set between walls with variable permeability 9—50786
Cibert, J. *see* Barjhoux, Y. 9—73799
Cicco, D.di *see* di Cicco, D.
Cicerone, C.M., Green, D.G. Relative modulation sensitivities of the red and green color mechanisms 9—53124
Cicerone, R.J. *see* Stedman, D.H. 9—53493
Cichocki, B. *see* Ernst, M.H. 9—50694
Cicognani, G. *see* Castelli, G. 9—97895
Cicuta, C.M. Vanishing graphs, planarity, and Reggeization 9—97504
Cicuta, G.M. *see* Butera, P. 9—97510
Cidorov, S.V. *see* Anokhov, S.P. 9—93228
Ciechanowicz-Rutkowska, M. *see* Waskowska, A. 9—86776
Cielo, P.G. Fiber optic hydrophone: improved strain configuration and environmental noise protection 9—98471
Ciepienko, R. *see* Czarnota, I. 9—97388
Cieplak, M. Microscopic model for the exchange-inversion transition 9—56548
Cifarelli, L. *see* Basile, M. 9—76275
Ciferri, A. *see* Alfonso, G.C. 9—95992
Ciferri, A. *see* Valenti, B. 9—64978
Ciftan, M., Saibel, E. The effect of the Zeta potential on pitting 9—87761
Cigada, A., Re, G., Sinigaglia, D., Borile, F. Contribution to the interpretation of current maxima in the passivity range of austenitic stainless steels 9—66200
Cignoli, F. *see* Zizak, G. 9—71447
Cihal, V., Beran, M., Kovar, Z. Critical potential of stress corrosion cracking 9—91850
Cihal, V. *see* Zidek, M. 9—70095
Cima, G. *see* Ascoli-Bartoli, U. 9—60170
Cimatti, G. On the existence of solutions for the fundamental problem of the hydrodynamic lubrication 9—59946
Cimino, A. *see* Cosentino, P. 9—79734
Cimiraglia, R., Persico, M., Tomasi, J. Torsional barriers and the electronic spectrum of nitromethane 9—59424
Cimler, O.F. *see* Opie, W.R. 9—61534
Cimmino, F. *see* Ottonello, G. 9—62488
Cinader, G. *see* Aldred, A.T. 9—61075
Cindio, B.de *see* de Cindio, B.
Cindrich, I. *see* Tai, A. 9—98296
Cindro, N., Moses, J.D., Stein, N., Cates, M., Drake, D.M., Hanson, D.L., Sunier, J.W. Resonances in ^{36}Ar via the $^{24}Mg(^{12}C,\alpha)^{32}S$ reaction 9—67629
Cindro, N. *see* Peng, J.C. 9—63694
Cingolani, A., Ferrara, M., Lugara, M. Many-body effects in the emission spectrum of ZnTe under high-intensity photoexcitation 9—73993
Cingolani, A., Ferrara, M., Lugara, M., Levy, F. Pockels effect in gallium selenide 9—51933
Cingolani, A., Spinolo, G., Sanesi, M. Solid state transitions in alkali alkanoates: diffractometric and conductometric measurements on lithium, sodium and potassium propanoates 9—60507
Cingolani, A. *see* Catalano, I.M. 9—65898, 9—81489
Cini, G. *see* Bergamasco, L. 9—75062
Cini, M., De Maria, M., Mattioli, G., Nicolo, F. Wave packet reduction in quantum mechanics: a model of a measuring apparatus 9—84977
Cinquini, C. Optimal elastic design for prescribed maximum deflection 9—75343
Cinti, R.C., Nguyen, T.T.A., Capiomont, Y. UV photoemission from Pt (111) and Pt(S) [6(111)×(100)] surfaces 9—91566
Cioara, E. *see* Atanasiu, N. 9—70130
Ciobanu, G. *see* Thompson, M.D. 9—73482
Ciocan, N. *see* Bratu, C. 9—74142
Ciofi degli Atti, C., Pace, E., Salme, G. Electrodisintegration of the few-body systems and realistic interactions 9—71850
Ciofi degli Atti, C. *see* Benhar, O. 9—71796
Ciofi Degli Atti, C., De Sanctis, E. *(editor)* Few Body Systems and Electromagnetic Interactions 9—71804
Ciohodaru, L. Electronic structure of some stilbene derivatives. IX. Frontier electron density in molecules of some mono-nitro-stilbene derivatives 9—72242
Ciohodaru, L. *see* Batca, A. 9—74463
Ciolli, P., Consortini, A., Pandolfini, P., Pasqualetti, F., Ronchi, L., Vanni, R. Evidence of log-normally distributed intensity fluctuations of an atmospherically degraded laser beam 9—50228
Cionco, R.M. Analysis of canopy index values for various canopy densities 9—53420
Ciotti, P., Solimini, D., Basili, P. Spectra of atmospheric variables as deduced from ground-based radiometry 9—92567
Cipolla, S.J., Gallagher, W.J. Constrained model-based representations of X-ray detector efficiency curves 9—49897
Cipollina Mangiameli, G. Bio- and neurocybernetic models of the living being 9—53018
Ciprian, M. *see* Marziano, G.L. 9—88394
Cirafici, S. *see* Palenzona, A. 9—52169
Cirenko, Yu.K. *see* Masalov, S.S. 9—72467
Ciret, J.C. *see* Aknin, J.P. 9—68001
Ciric, D. *see* Terzic, I. 9—87554
Cirkovic, Lj. *see* Vukicevic, J. 9—55131
Cirlin, E.H. *see* Goldberg, I.B. 9—70971
Cismaru, D., Ionescu, N.I., Momirlan, M., Nita, P. Scanning electron microscopy investigations in titanium oxidation in air 9—61794
Cisneros, C., Alvarez, I., Garcia, G.R., Barnett, C.F., Ray, J.A., Russek, A. Electron capture to D_3^- and D_3^0 repulsive states by D_3^+ in Cs 9—59563
Cisneros, G. Semidynamical RFS technique for LEED analysis, with an application to GaAs (110) 9—77877
Cissel, D.W. *see* Smith, R.R. 9—97890
Cissoko, M. The propagation of waves in a dissipative gas of massless particles 9—63047
Cisternas, A. *see* Jobert, G. 9—53582
Ciszewski, A. Growth and desorption of indium epitaxial layers investigated by high field microscopy 9—69380
Ciszewski, R. New effects of magnetic critical phenomena in iron 9—56534
Ciszewski, R., Milczarek, J. Temperature shift of the maximum of neutron critical scattering from an iron polycrystal. A test for the dynamic scaling theory 9—50953
Citrin, D.L. *see* Fogelman, I. 9—83904
Citrin, P.H., Eisenberg, P., Hewitt, R.C., Farrell, H.H. Surface-EXAFS studies of iodine adsorbed on Cu (111), Cu (110), and Ag (111) single-crystal substrates 9—82446
Citrin, P.H., Wertheim, G.K., Baer, Y. Core level binding energy and density of states from the first atomic layer of gold 9—87563
Citrin, P.H. *see* Wertheim, G.K. 9—61499
Citron, A., Dammertz, G., Grundner, M., Husson, L., Lehm, R., Lengeler, H. The Karlsruhe-CERN superconducting RF separator 9—81113
Citron, A., Kuntze, M., Brandelik, A., Herz, W., Hietschold, R., Hornung, A., Kuhn, W., Schulze, D., Zieher, K.W. Performance of the Karlsruhe superconducting proton linear testaccelerator 9—72006
Citron, A. *see* Bauer, W. 9—72140
Citron, G.P., Brown, L.D. Recent vertical crustal movements from precise levelling surveys in the Blue Ridge and Piedmont provinces, North Carolina and Georgia 9—79794
Cittolin, S. *see* Bell, M. 9—93413
Ciucci, G. *see* Abbati, I. 9—91563
Ciura, A.I. *see* Badescu, St. 9—86199
Ciurapinski, W., Szutstakowski, M. Measurement of spin-wave and magnetostatic mode attenuation by double-pulse echo method 9—82874
Ciurla, T., Musielok, B. New telescope of the Wroclaw Observatory 9—88594
Ciurlizza-Guizar, A., Valdes, H.C. Determination of plasticity and elasticity coefficients using projective geometry 9—50605
Ciurzynska, W., Moron, J.W. Magnetic permeability disaccommodation related to dissolved nitrogen migration in Fe-Ti alloys 9—95611
Ciuti, P. *see* Barbina, V. 9—80048
Ciuti, P. *see* Calligaris, F. 9—76907
Civelek, M.B. *see* Erdogan, F. 9—77019
Civelekoglu, Y. *see* von Harrach, D. 9—76044
Civitarese, O., Faessler, A., Wakai, M. On the side feeding pattern and γ-multiplicities in $^{26}Mg(^{136}Xe, 4n)^{158}Dy$ 9—75821
Civitarese, O., Plastino, A., Faessler, A. Generalized lattice-density-waves in nuclear matter 9—71815
Cizek, A., Dekhtyar, I.Ya., Moskalevskii, A.I. Investigations of anomalous passing of positrons through Si crystals 9—95052
Cizek, A., Sob, M., Dekhtyar, I.Ya., Sacharova, S.G., Fedchenko, R.G. Positron annihilation in aluminium, subjected to the thermocyclic treatment 9—52040
Cizek, J. *see* Suate, M. 9—81157
Cizek, P. *see* Englich, J. 9—91302
Cizeron, G. The dilatometric method and its many possibilities in the study of metallic materials 9—52563
Cizewski, J.A., Casten, R.F., Smith, G.J., Macphail, M.R., Stelts, M.L., Kane, W.R., Borner, H.G., Davidson, W.F. The level structure of ^{196}Pt 9—75853
Clad, R. *see* Besnus, M.J. 9—82180
Cladis, P. *see* Guillon, D. 9—99061
Cladis, P.E., Guillon, D., Stamatoff, J., Aadsen, D., Daniels, W.B., Neubert, M.E., Griffith, R.F. Temperature and pressure study of 8S5 9—77730
Claes, J. *see* Ooms, H. 9—63587
Claes, P. *see* Dauby, C. 9—82365
Claes, P. *see* Glibert, J. 9—51286
Claeson, T., Rudner, S., Wahlsten, S. Parameters of a Josephson tunnel junction array parametric amplifier 9—65611
Claeson, T. *see* Rudner, S. 9—56442, 9—82714
Claesson, A. Effect of disorder and long range strain field on the electron states 9—82545
Claesson, G. *see* Ingelman, G. 9—97947
Claflin, E.S. *see* Niell, A.E. 9—79722
Clair, J.J., Abitbol, C.I. Recent advances in phase profiles generation 9—76644
Clair, R.L., McMahon, T.B. An ion cyclotron resonance study of competitive solvation of gas phase anions 9—79227
Clake, R.N. *see* Fanale, F.P. 9—92706
Clampitt, R. Field emission deposition sources 9—83127
Clampitt, R. *see* Farrow, R.F.C. 9—87016
Clancy, M. *see* Aiken, S. 9—98426
Clancy, P.F. Space applications and technology in the 100-1000 GHz frequency range 9—92650
Clancy, R.T. *see* Turcotte, D.L. 9—84194
Clapp, N.K. Ovarian tumor types and their incidence in intact mice following whole-body exposure to ionizing radiation 9—57724
Clapp, P.C. Localized soft modes and ultrasonic effects in first order displacive transformations 9—73281
Clapp, R.B., Hornberger, G.M. Empirical equations for some soil hydraulic properties 9—53385
Clare, A.B. *see* Aldridge, E.E. 9—83421
Clare, L.P., Rhodes, R.H. Superior powder-metallurgy molybdenum die alloys for isothermal forging 9—74201
Clare, R. *see* Barber, D. 9—54289, 9—54346
Clare, R. *see* Barber, D.P. 9—89175, 9—97631
Clark, A. *see* Mitchell, M.A. 9—73790
Clark, A., Jr. Thermal models of sunspots 9—84773
Clark, A.E. *see* Abbundi, R. 9—73795
Clark, A.E. *see* Savage, H.T. 9—78491
Clark, A.F., Casamajor, A.B., Hewett, L.D. Shallow solar ponds with mirrors on the north sides 9—62077
Clark, A.F., Read, D.T., Ekin, J.W. A standards program for practical superconductors 9—69622
Clark, A.G. *see* Baker, R.D. 9—89182
Clark, A.G. *see* Brown, R.M. 9—71761
Clark, A.G. *see* Chilingarov, A. 9—54365, 9—54368
Clark, A.H. *see* White, F.R. 9—56936, 9—78903
Clark, A.R., Johnson, K.J., Kerth, L.T., Loken, S.C., Markiewicz, T.W., Meyers, P.D., Smith, W.H., Strovink, M., Wenzel, W.A., Johnson, R.P., Moore, C., Mugge, M., Shafer, R.E., Gollin, G.D., Shoemaker, F.C., Surko, P. Observation of $J/\psi(3100)$ production by 209-GeV muons 9—75779
Clark, A.V., Jr. Effect of the minitank membrane on the minitank transfer function in a typical liquid surface acoustical holography system 9—81645
Clark, B.C. *see* Arnold, L.G. 9—67725
Clark, B.O., Van Baak, D.A., Lundeen, S.R., Pipkin, F.M. $3^2S_{1/2}$-$3^2D_{5/2}$ interval in atomic hydrogen. II. Experiment and results 9—54826
Clark, B.O. *see* Van Baak, D.A. 9—54825
Clark, C.D., Parsons, B.J., Vermeulen, L.A. Photo-Hall effect measurements in irradiated diamond 9—87129
Clark, C.F. *see* Lawless, W.N. 9—72792
Clark, C.L. *see* Clausing, A.M. 9—83636
Clark, C.W. The calculation of non-adiabatic transition probabilities 9—49926
Clark, C.W. Coulomb phase shift 9—97135
Clark, D. Our inconstant Sun 9—58309
Clark, D., Hunt, G., McCrea, W. Celestial chaos and terrestrial catastrophes 9—53509
Clark, D. *see* Chupp, W. 9—72039
Clark, D. *see* Liska, D. 9—76160
Clark, D.A., Bryant, H.C., Frost, C.A., Donahue, J.B., Hamm, M.E., Hamm, R.W., Hudgings, D.W., McNaughton, M.W., Pratt, J.C., Yates-Williams, M.A. Time-resolved beam energy measurements at LAMPF 9—71995
Clark, D.E. *see* Dilmore, M.F. 9—61753
Clark, D.E. *see* Ethridge, E.C. 9—96167
Clark, D.H. The historical supernovae 9—53837
Clark, D.H., Murdin, P., Zarnecki, J.C., Culhane, J.L. Association of coronal-line and filamentary emission in Puppis-A 9—84843
Clark, D.H., Stephenson, F.R. A new revolution in solar physics 9—58307
Clark, D.H., Stephenson, F.R. An interpretation of the pre-telescopic sunspot records from the Orient 9—66975
Clark, D.H., Yallop, B.D., Richard, S., Emerson, B., Rudd, P.J. Differential solar rotation depends on solar activity 9—84766

Clark, D.H. *see* Danziger, I.J. 9—53889
Clark, D.H. *see* Goss, W.M. 9—84839
Clark, D.H. *see* Martin, P.G. 9—58345
Clark, D.H. *see* Murdin, P. 9—53892, 9—92783
Clark, D.H. *see* Tuohy, I.R. 9—58403, 9—62892
Clark, D.J. *see* Behrsing, G.U. 9—54661
Clark, D.J. *see* Elo, D. 9—54681
Clark, D.J. *see* Gough, R.A. 9—54677
Clark, D.L., Cage, M.E., Lewis, D.A., Greenlees, G.W. Optical isotopic shifts and hyperfine splittings for Yb 9—93943
Clark, D.L. *see* Meyerhof, W.E. 9—49978
Clark, D.T. Structure, bonding, and reactivity of polymer surfaces studied by means of ESCA 9—52073
Clark, D.T., Cromarty, B.J., Dilks, A. A theoretical investigation of molecular core binding and relaxation energies in a series of oxygen-containing organic molecules of interest in the study of surface oxidation of polymers 9—76344
Clark, D.T., Cromarty, B.J., Sgamellotti, A. Single orbital relaxation energies accompanying core ionization in first row atoms and an investigation of the basis set dependence of computed single orbital relaxation energies for CO 9—89604
Clark, D.T., Cromarty, B.J., Sgamellotti, A., Guest, M.F. A theoretical investigation of the core ionized states of the simple carbines, CH_2, CHF and CF_2 9—97982
Clark, D.T., Shuttleworth, D. Angular- and spatial-dependent intensity behaviour for a prototype laterally inhomogeneous sample studied with an ES200B spectrometer 9—74468
Clark, D.W. *see* Chen, C.H. 9—94025
Clark, D.W. *see* Cooper, M.J. 9—63783
Clark, F.O., Lovas, F.J., Johnson, D.R. Dimethyl ether in Orion 9—53862
Clark, F.O., Martin, H.M., Biretta, J.A. General calculations of rotational effects on spectral lines 9—97050
Clark, G., White, D. Bibliography of diagnostic uses of ultrasound in medicine and biology from 1 January 1971. XIII 9—62322
Clark, G., White, E., White, D., Carson, J. Bibliography of diagnostic uses of ultrasound in medicine and biology from 1 January 1971. XIV 9—96641
Clark, G. *see* Giacconi, R. 9—70941
Clark, G.J., Switkowski, Z.E., Petty, R.J., Heggie, J.C.P. Analysis of chrome-black solar-absorber surfaces 9—95283
Clark, G.J., White, C.W., Allred, D.D., Appleton, B.R., Tsong, I.S.T. Hydrogen concentration profiles in quartz determined by a nuclear reaction technique 9—60396
Clark, G.J. *see* Dickson, B.L. 9—88485
Clark, G.W. *see* Jernigan, J.G. 9—97102
Clark, G.W. *see* Markert, T.H. 9—80243
Clark, H.K. Ensuring the validity of calculated subcritical limits 9—59198
Clark, H.M. *see* Baldwin, G.C. 9—50153
Clark, H.W. *see* Donoghue, T.R. 9—71837
Clark, I.E., Hearle, J.W.S. The development of the biaxial rotation test for fatiguing fibres 9—97381
Clark, I.E. *see* McKinlay, A.F. 9—74762
Clark, J.A. Determining the terrestrial, incident solar flux on an arbitrarily oriented surface using available solar/weather data 9—57401
Clark, J.B., Wolbarst, A.B., Pacey, R.A. High pressure phase relations of hydrated nitrates of Ca, Cd and Zn 9—78947
Clark, J.C. *see* Hester, R.E. 9—76157
Clark, J.D. *see* Butcher, P.N. 9—95413
Clark, J.H.E., Rogers, T.G. The transport of conservative trace gases by planetary waves 9—88411
Clark, J.P., Jackson, C.H. Establishing the traceability of a uranyl nitrate solution to a standard reference material 9—81052
Clark, J.W. Variational theory of nuclear matter 9—89262
Clark, J.W. *see* Ristig, M.L. 9—73369
Clark, J.W., Jr., Greco, E.C., Harman, T.L. Experience with a Fourier method for determining the extracellular potential fields of excitable cells with cylindrical geometry 9—62223
Clark, K.W., Hitchens, R.E., Moore, S.M., Potter, S.J., Ritter, J.A., Mead, C.N., Thomas, L.J., Jr. Argus/2H [ECG analysis system] 9—70679
Clark, K.W. *see* Mead, C.N. 9—66572, 9—70674, 9—70680
Clark, L.D. *see* Boden, N. 9—82890
Clark, M.C. *see* Straw, D.C. 9—76170
Clark, M.D. *see* Manuccia, T.J. 9—64113
Clark, M.J., Hall, J.M., Peirce, J.W. Rock and paleomagnetic evidence for the existence and nature of a Cayman Trough spreading center 9—84215
Clark, N.A. Thermodynamics of the re-entrant nematic-bilayer smectic A transition 9—95130
Clark, N.A., Hurd, A.J., Ackerson, B.J. Single colloidal crystals 9—99097
Clark, N.A. *see* Rosenblatt, C. 9—55663
Clark, P.D., Johnston, A., Ophel, T.R. Widths of the 14.32 and 14.40 MeV levels in ^{16}O 9—93513
Clark, P.E. *see* Picone, P.J. 9—99807
Clark, P.N., Jackson, E., Robinson, M. Effect of thiourea and some of its derivatives on the corrosion behaviour of nickel in 50% v/v (5.6 M) hydrochloric acid 9—96179
Clark, R.A., Ferziger, J.H., Reynolds, W.C. Evaluation of subgrid-scale models using an accurately simulated turbulent flow 9—50709
Clark, R.B., Duncan, G. Two components of extracellularly-recorded photoreceptor potentials in the cephalopod retina: differential effects of Na^+, K^+ and Ca^{2+} 9—62245
Clark, R.C. A Monte-Carlo method of calculating the energy of ^3He 9—56030
Clark, R.E. *see* Swanson, W.M. 9—62288
Clark, R.H. Power from the tides 9—61944
Clark, R.J.H., Dines, T.J. The resonance Raman spectrum of titanium tetrabromide 9—85965
Clark, R.M., Thompson, R. A new statistical approach to the alignment of time series 9—92623
Clark, S.P., Jr., Turekian, K.K. Thermal constraints on the distribution of long-lived radioactive elements in the Earth 9—84202
Clark, T. Oxide minerals in the Turnagain ultramafic complex, northwestern British Columbia 9—84247
Clark, T.A., Ryan, J.W., Counselman, C.C., III, Ford, P.G., Hanson, L.B., Hinteregger, H.F., Klepczynski, W.J., Knight, C.A., Robertson, D.S., Rogers, A.E.E., Shapiro, I.I., Whitney, A.R. Synchronization of clocks by very-long-baseline interferometry 9—88920
Clark, T.A. *see* Cotton, W.D. 9—53922
Clark, T.A. *see* Kendall, D.J.W. 9—92593
Clark, W. *see* Burkhalter, P. 9—55457
Clark, W. *see* Nimmo, B. 9—62043
Clark, W.A.T., Smith, D.A. Interaction of lattice dislocations with periodic grain boundary structures 9—51117
Clark, W.C. *see* Harvey, J.W. 9—72799
Clark, W.E., Howerton, W.B. The radiolysis of barium iodate in Portland cement 9—59208
Clark, W.E., Howerton, W.B. The removal of trace contaminants from recycle nitric acid 9—85733
Clark, W.G., Tippie, L.C., Frossati, G., Godfrin, H. The use of random exchange Heisenberg antiferromagnetic chains for very low temperature thermometry and cooling: quinolinium $(TCNQ)_2$. [ESR experiment] 9—63217
Clark, W.G. *see* Azevedo, L.J. 9—56356, 9—56380
Clark, W.G. *see* Godfrin, H. 9—51371
Clark, W.L. *see* Gage, K.S. 9—53477
Clark, W.L. *see* VanZandt, T.E. 9—84367
Clarke, A.J. On the generation of the seasonal coastal upwelling in the Gulf of Guinea 9—100847
Clarke, A.M. *see* Moon, M.E. 9—53114
Clarke, C.P. Measuring fiber optics transmission characteristics with a computerized signal processing system 9—76876
Clarke, D.B., O'Hara, M.J., Hart, S.R., Davis, K.E. Nickel, and the existence of high-MgO liquids in nature [with reply] 9—88318
Clarke, D.J., Lo, S.Y. Appearance of the second dip in elastic pp scattering 9—89192
Clarke, D.R. High-resolution techniques and application to nonoxide ceramics 9—90501
Clarke, E.M. *see* Weingartshofer, A. 9—81289
Clarke, G.A., Landes, J.D., McCabe, D.E., Andrews, W.R., Begley, J.A., Donald, J.K., Embley, G.T., Underwood, J.H. A procedure for the determination of ductile fracture toughness values using J integral techniques 9—52542
Clarke, G.K.C. *see* Cary, P.W. 9—84304
Clarke, G.M., Norwood, L. Resin selection for marine application 9—96035
Clarke, I.C., Fiske, C., Amstutz, H.C. Spherometer measurements of human hip-joint geometry 9—83832
Clarke, J., Fjordboge, B.R., Lindelof, P.E. Supercurrent-induced charge imbalance measured in a superconductor in the presence of a thermal gradient 9—95548
Clarke, J., Sarkar, A.D. Wear characteristics of as-cast binary aluminium-silicon alloys 9—96156
Clarke, J. *see* Chi, C.C. 9—78269
Clarke, J. *see* Gamble, T.D. 9—88245
Clarke, J. *see* Goubau, W.M. 9—53530
Clarke, J.F. The impact of current experimental results on the magnetic fusion program 9—49864
Clarke, J.F. Recent experimental results in the US magnetic fusion program 9—85781
Clarke, J.F. On the evolution of compression pulses in an exploding atmosphere: initial behaviour 9—94651
Clarke, J.H. SIMON. A FORTRAN Monte-Carlo computer program to simulate a time-of-flight neutron diffractometer using a PDP-11 computer 9—50955
Clarke, J.H., Granada, J.R., Dore, J.C. Structural studies of tetrachloride liquids. I. Pulsed neutron scattering by carbon tetrachloride-molecular structure 9—69004
Clarke, J.H. *see* Granada, J.R. 9—73089
Clarke, J.N. *see* Biermann, P. 9—67090, 9—67091
Clarke, J.R., Greene, J.E. Reactively evaporated photoconductive PbO: crystal phase transformations induced by water vapor 9—78233
Clarke, J.R. *see* Jassby, D.L. 9—50898
Clarke, J.T. *see* Feldman, P.D. 9—62782
Clarke, L.J. Structures of sulphur adsorbed on Mo(001) from LEED analysis: effect on adsorption of carbon monoxide 9—86981
Clarke, M. The concept of energy 9—96412
Clarke, M.E. *see* Steel, A.J. 9—58723
Clarke, N.M., Cohler, M.D., Griffiths, R.J. Effects of coupled reaction channels on polarisation in ^3He scattering 9—85442
Clarke, P.H., Francis, P.G., George, M., Phutela, R.C., Roberts, G.K.St.C. Flow calorimeters for the measurement of the isothermal Joule-Thomson coefficient of benzene and of cyclohexane vapour 9—58688
Clarke, R.A. *see* Kase, R.H. 9—57939
Clarke, R.H. Principles of environmental modelling 9—79414
Clarke, R.H. *see* Hallam, J. 9—59271
Clarke, T.C. *see* Kwak, J.F. 9—87121
Clarkson, J.M. The induction of thymine dimers by UV light as a function of cell stage 9—57715
Claro, F.H., Wannier, G.H. Magnetic subband structure of electrons in hexagonal lattices 9—95307
Clary, D.C. Potential energy functions of polyatomic molecules 9—89726
Clary, D.C., Nesbet, R.K. Application of a dynamical S matrix method to the three-dimensional $H+H_2$ exchange reaction 9—91930
Clary, D.C. *see* Nesbet, R.K. 9—98189
Claspy, P.C. *see* Koo, K.P. 9—72552
Class, W.H. Deposition and characterization of magnetron sputtered aluminum and aluminum alloy films 9—91587
Clastre, J., Pegeot, C., Leroy, P.Y. Goniometric measurements of the angles of cut of doubly rotated quartz plates 9—54098
Claude, J.P. *see* Ingle, F.W. 9—75519, 9—75520
Claudel, B. *see* Breysse, M. 9—73399
Claudet, G. *see* Bon Mardion, G. 9—60574
Claudet, G. *see* Mardion, G.B. 9—60565
Claudson, M., Paschos, E.A., Strait, J., Sulak, L.R. Model-independent determination of hadronic neutral-current couplings 9—49448
Claudson, T.T. *see* Nyman, D.H. 9—89478
Clauer, A.H., Seltzer, M.S., Wilcox, B.A. The influence of substructures on tensile creep of MgO single crystals 9—66113
Clauer, A.H. *see* Fairand, B.P. 9—69192, 9—78797
Clauer, A.H. *see* Walters, C.T. 9—69819
Clauer, N., Kroner, A. Strontium and argon isotopic homogenization of pelitic sediments during low-grade regional metamorphism: the Pan-African upper Damara sequence of northern Namibia (South West Africa) 9—62511
Claus, H., Tranchita, C.J. Magnetism and atomic short-range order in V-Fe and Cu-Ni 9—61159
Claus, H. *see* Carnegie, D.W., Jr. 9—78369
Claus, J., Cornacchia, M., Courant, E.D., Parzen, G. Status of ISABELLE lattice 9—76189
Claus, J. *see* Weng, W.T. 9—76188
Claus, R.O. Effects of surface bonding on the existence of ultrasonic Stoneley waves 9—56059
Claus, R.O. Theoretical interactions between collimated laser light and bulk components of Rayleigh wave motion 9—76742
Claus, R.O. Preliminary results in the generation of 9 MHz elastic waves on a nickel-7070 pyrex glass boundary 9—82433
Claus, R.O. *see* Ahalt, S. 9—76741
Claus, R.O. *see* Deka, M. 9—76931
Clausen, B.S., Morup, S., Nielsen, P., Thrane, N., Topsoe, H. Mossbauer in situ cell with variable temperature and applied magnetic field capabilities 9—49357
Clausen, B.S., Morup, S., Topsoe, H. Influence of hydrogen chemisorption on the superparamagnetic relaxation time of Ni microcrystals 9—61284
Clausen, C., Lewis, S.A., Diamond, J.M. Impedance analysis of a tight epithelium using a distributed resistance model 9—62201
Clausen, H. *see* Knauth, H.-D. 9—79238
Clauser, J.F. *see* Turner, W.C. 9—86589
Clauser, M.J. *see* Farnsworth, A.V., Jr. 9—64622
Clauser, T. *see* Boscolo, I. 9—55102
Clausing, A.M., Clark, C.L., Mueller, M.H. The cryogenic heat transfer tunnel—a new tool for convective research 9—83636
Clausing, R.E., Heatherly, L., Emerson, L.C. Versatile UHV sample transfer system 9—80628
Clausing, R.E. *see* Emerson, L.C. 9—82097
Clausing, R.E. *see* Gomay, Y. 9—90438
Clausing, R.E. *see* Kellogg, G.L. 9—98971
Clausing, R.E. *see* White, C.L. 9—83309

Clauss, R.C. *see* Moore, C.R. 9—50275
Clausse, M. *see* Lagourette, B. 9—100452
Clauwaert, J. *see* Ceuterick, F. 9—53058
Clauzet, L.B.F. *see* Benevides, P. 9—70944
Clavel, J. *see* Cassatella, A. 9—62837
Clavelin, J.L., Mirabel, P. Photoinduced nucleation in SO_2-alkanes-water mixtures 9—96348
Clavelin, J.L. *see* Mirabel, P. 9—83479
Clavelli, L. Particle production in the double dual Pomeron region 9—75751
Clavelli, L. Jet invariant mass in quantum chromodynamics 9—85307
Claverie, M., Etievant, C. The economic aspects of tower type solar power stations 9—100491
Claverie, P. *see* Bertholon, G. 9—73474
Clavin, P., Williams, F.A. Theory of premixed-flame propagation in large-scale turbulence 9—50813
Clawson, A.R. *see* Lum, W.Y. 9—100343
Claxton, I.R. Improvements in apparatus for pH measurement of water 9—79341
Claxton, T.A. *see* Burton, B. 9—59362
Clay, C.A.E. *see* Levie, S.A. 9—68866
Clay, F.P., Jr. Demonstration of phase relationships in a series RLC circuit using a four-channel multiplexer and a single-channel oscilloscope 9—58466
Clay, R.W. *see* Thornton, G.J. 9—84615
Clay, W. *see* Reynolds, P.H. 9—62466
Clayman, B.P. Lattice relaxation around tetragonal and rhombic defects in alkali halides 9—95110
Clayman, B.P. *see* Irwin, J.C. 9—69210
Clayman, B.P. *see* Karecki, D.R. 9—95755
Clayton, D.D. Precondensed matter: key to the early solar system 9—58280
Clayton, D.N. *see* Grant, W.P. 9—88310
Clayton, E.D. *see* Bierman, S.R. 9—59162
Clayton, E.D. *see* Durst, B.M. 9—63789, 9—85726
Clayton, E.D. *see* Lloyd, R.C. 9—63773, 9—80978, 9—85725
Clayton, J.Q., Burstein, G.T. Surface segregation of nickel and antimony in iron 9—96031
Clayton, J.W. *see* Seymour, M.D. 9—57990
Clayton, P.D. *see* Beatty, S.S. 9—83860
Clayton, P.D. *see* Bulawa, W.F. 9—70636
Claytor, T.N., Carey, W.M. Measurement of the sound produced during steam injections into sodium 9—93782
Claytor, T.N., Sladek, R.J. Excess ultrasonic attenuation in As_2S_3 glass after electric field removal 9—65145
Cleary, P.F. *see* Lees, S. 9—96611
Cleary, T.P. Implementation of the ORIC magnetic field measurements 9—68036
Cleary, T.P., Ford, J.L.C., Jr., Gross, E.E., Hensley, D.C., Bingham, C.R., Vrba, J.A. Mutual excitation of ^{22}Ne and ^{126}Te in inelastic scattering 9—54404
Cleary, T.P. *see* Baker, F.T. 9—63689
Cleausescu, N. *see* Stanciulescu, C. 9—86170
Cleaver, B., Zani, P. Adiabatic thermal pressure coefficients of molten salts; an indirect method for the measurement of isothermal compressibility 9—95065
Cleaver, J.R.A. *see* Cosslett, V.E. 9—97475
Cleaver, J.R.A. *see* Jefferson, D.A. 9—100829
Clecak, N.J. *see* Grant, B. 9—82148
Clec'h, G., Calvarin, G., Berar, J.F., Andre, D. Determination of the molecular structure of ferrocene $Fe(C_2H_5)_2$ in the ordered phase at 130K 9—51093
Clechet, P., Martelet, C., Martin, J.-R., Olier, R. Mercury deposit at the surface of illuminated titanium dioxide 9—52696
Clee, P.T.M. *see* Newport, R.W. 9—63834
Cleemann, L. *see* Eberhard, K.A. 9—80966
Cleemann, L. *see* Neumann, W. 9—93864
Clegg, A.B. Electromagnetic probes of nucleons 9—49520
Clegg, J.C. *see* Huber, D.R. 9—64308
Clegg, P.E. *see* El-Atawy, S.A. 9—60392
Clegg, R.J., Johns, M.D., Pattemore, G.W. Wind power site evaluation. II. Data acquisition and processing 9—66400
Clegg, R.J., Johns, M.D., Pattemore, S.W. Wind power site evaluation. I. Wind energy potential 9—66399
Clegg, R.J., Thomson, E.M. Some properties of EM radiation from lightning 9—58038
Clegg, T.B. *see* Jensen, M. 9—93620
Cleja, S., Cristescu, N. Influence of the drawing speed on the optimum shape of the floating plug 9—94508
Cleland, L. *see* Maimoni, A. 9—85675
Clem, J.R. Flux-flow voltage pulses in superconductors 9—56466
Clem, J.R. Theory of AC losses in type-II superconductors with a field-dependent surface barrier 9—87216
Clem, J.R. *see* Thompson, J.D. 9—87217
Clem, T.R. *see* Vurek, G.G. 9—100756
Clement, A., Coulomb, P. The evolution of deformation textures 9—90721
Clement, H. *see* Schiemenz, P. 9—85450
Clement, J.M. *see* Buchanan, J.A. 9—88990
Clement, J.M. *see* Hoftiezer, J.H. 9—85509
Clement, M.J. On the equilibrium and secular instability of rapidly rotating stars 9—62811
Clement, P. *see* Koiter, W.T. 9—75347
Clement, S. Proton relaxation and exchange variation with temperature in $CuK_2Cl_4.2H_2O$ 9—95663
Clement, S. *see* Bourdel, D. 9—61208
Clemente, R., Tessarotto, M. On the derivation of the Boltzmann equation from the BBGKY hierarchy 9—93080
Clementi, E., Corongiu, G., Lelj, F. Analytical potentials from ab initio computations for the interaction between biomolecules. V. The phosphate group in nucleic acids 9—70516
Clementi, E. *see* Romano, S. 9—53026
Clementi, S., Fringuelli, F. A statistical approach to the blend of inductive and mesomeric contributions in dual parameter linear free energy relationships 9—49957
Clements, D.L., King, G.W. A method for the numerical solution of problems governed by elliptic systems in the cut plane 9—97187
Clements, D.L., Tauchert, T.R. Deformation of an anisotropic elastic slab containing a crack 9—68570
Clements, D.L., Tauchert, T.R. Stationary heat conduction in an anisotropic slab containing a crack 9—94470
Clements, G.L., Neff, J.S. Comparison of solar and stellar flux distributions and the determination of the B—V and U—B colors of the Sun 9—66970
Clements, J., Jakeways, R., Ward, I.M., Longman, G.W. A study of the effects of annealing on the mechanical stiffness and structure of ultra high modulus linear polyethylene 9—91717
Clements, J.A. *see* Schurch, S. 9—92257
Clements, J.S., Medsker, L.R., Fry, L.H., Jr., Theisen, L.V., Parks, L.A. Evidence for a positive parity decoupled band in ^{79}Rb 9—89223
Clements, R.M., Smy, P.R., Dale, J.D. Pressure measurements using the reflectivity of a glass/gas interface 9—63297
Clements, R.M. *see* Milinazzo, F. 9—77184
Clemesha, B.R. *see* Kirchhoff, W.V.J.H. 9—70905
Clemesha, B.R. *see* Simonich, D.M. 9—74932
Clemesha, B.R. *see* Takahashi, H. 9—80067
Clemmer, R.G. Impact of plasma performance parameters upon the vacuum and tritium system design requirements for near-term Tokamak reactors 9—76131
Clemmer, R.G., Land, R.H., Rogers, A.G. Computer modeling and bench-scale testing of air detritiation operations 9—85784
Clemmer, R.G. *see* Stacey, W.M., Jr. 9—71967
Clemot, M.G., Pheline, J. Solar energy and decentralized electricity production: low-power solar pumps and installations 9—100489
Clems, J.R., Martinoli, P. Critical currents of a one-dimensional array of superconducting vortices in a periodic pinning potential 9—56469
Clemsha, B.R., Kirchhoff, V.W.J.H., Simonich, D.M. Concerning the seasonal variation of the mesospheric sodium layer at low-latitudes 9—79964
Clendenin, J.E. *see* Alguard, M.J. 9—76242
Clendenin, J.E. *see* Palmer, D.A. 9—63852
Clendenin, J.E. *see* Prescott, C.Y. 9—75776
Clendening, W.R. *see* Rosinger, H.E. 9—74206
Clercq, C.De *see* De Clercq, C.
Clerico, M., Patierno, V. Sliding wear of polymeric composites 9—87742
Clerjaud, B., Gelineau, A., Galland, D., Saminadayar, K. Cyclotron resonance from photoexcited electrons in ZnTe 9—69723
Clermont, H. *see* Brockmann, H. 9—67935
Clermont, H. *see* Forster, S. 9—71970
Clermont, J.R., Le Roy, P., Pierrard, J.M. Theoretical and experimental study of a viscoelastic fluid in the converging region of a pipe 9—60028
Cleveland, B.T. *see* Davis, R., Jr. 9—80286
Cleveland, J.R., Foiles, C.L. Magnetothermopower of dilute PdNi alloys 9—78079
Cleveland, W.S., Graedel, T.E. Photochemical air pollution in the northeast United States 9—83677
Clever, R.M. *see* Busse, F.H. 9—50727
Cleverly, D. *see* Kowel, S.T. 9—50244, 9—72514
Clewley, J.D. *see* Flanagan, T.B. 9—99325
Cleymans, J., Kuroda, M. Angular distribution of dileptons in hadronic collisions 9—80801
Cliff, D.I. *see* Burrows, J.P. 9—94020
Clifford, A.A., Kestin, J., Wakeham, W.A. Thermal conductivity of N_2, CH_4 and CO_2 at room temperature and at pressures up to 35 MPa 9—86551
Clifford, C.E. *see* Shultis, J.K. 9—59274
Clifford, P., Gage, S. Accidents and unscheduled events related to non-nuclear energy systems 9—52861
Clifford, S.F. *see* Wyngaard, J.C. 9—53435
Clifton, K.S., Reese, R., Jr., Davis, C.W. Video detection and analysis techniques of transient astronomical phenomena 9—80239
Clifton, K.S. *see* Millman, P.M. 9—80241
Clifton, M., Sanchez, V., Durou, C. Study by holographic interferometry of mass transfer during electrochemical processes at solid-liquid interfaces 9—87852
Clifton, R.J. *see* Kumar, P. 9—95011
Clignez, J.-L. *see* Balestra, C. 9—80654
Climenhaga, J.L. *see* Smolinski, J. 9—80308
Climent, A., Martinez-Duart, J.M., Palacio, C. Dielectric properties of anodic tantalum oxide grown on sputtered tantalum nitride 9—87386
Clin, B., De Bony, J., Lalanne, P., Biais, J., Lemanceau, B. A new scheme for resolution enhancement in Fourier transform NMR 9—93195
Clin, B. *see* Bellocq, A.M. 9—79308
Clin, B. *see* Bellocq, A.-M. 9—82339
Cline, C.F., Kingman, D.D., Weber, M.J. Durability of beryllium fluoride glasses in water: comparison with other glasses and crystals 9—95171
Cline, C.F., Morris, R.C., Dutoit, M., Harget, P.J. Physical properties of $BeAl_2O_4$ single crystals 9—52353
Cline, D. Charm production by neutrinos and the charm particle lifetime 9—63465
Cline, D. Quark-antiquark colliding beam machines 9—63824
Cline, D. The study of ultrahigh-energy neutrino interactions in DUMAND 9—80108
Cline, D., Mills, F.E., Ruggiero, A., Young, D., Garren, A., Herr, H., Rubbia, C. High energy electron cooling to improve the luminosity and lifetime in colliding beam machines 9—72090
Cline, D. *see* Benvenuti, A. 9—49508, 9—58951
Cline, D. *see* Lister, C.J. 9—93493
Cline, D. *see* Vold, P.B. 9—63591
Cline, D.B., Curtis, C.D., Gray, E.R., Jankowski, K., Johnson, D.E., Kells, W., Mills, F.E., Shea, M.F. Proton beam diagnostics in the Fermilab electron cooling experiment 9—68005
Cline, D.B., Gannon, J.C., Gray, E.R., Griffin, J., Huson, F.R., Johnson, D.E., Kells, W., McIntyre, P., Mills, F.E., Moore, C.D., Oleksiuk, L., Rhoades, T.G., Shea, M.F., Young, D.E. Initial operation of the Fermilab antiproton cooling ring 9—68004
Cline, H.E. Stability of lamellar eutectics 9—96019
Cline, H.E. *see* Anthony, T.R. 9—56942, 9—56943
Cline, J.E., Hetzer, D.C., Lapides, M.E. Measurements of transuranium concentrations in solid radioactive waste from seven commercial power reactors 9—71929
Cline, J.F. *see* Hinds, W.T. 9—57821
Cline, J.K. Satellite aided capture 9—75087
Cline, J.W. *see* Vogel, J.M. 9—53218
Cline, T. *see* Evans, D. 9—58441
Cline, T.L., Desai, U.D., Pizzichini, G., Spizzichino, A., Trainor, J.H., Klebesadel, R.W., Helmken, H. Gamma-ray burst observations from Helios 2 9—101218
Cline, T.W., Laughner, J.W., Newnham, R.E., Cross, L.E. Electrical and acoustic emission during ferrobielastic twinning in quartz 9—56731
Clink, B.L., Eick, H.A. Preparation and characterization of a europium(II) bromide-chloride phase $EuBr_{1.5}Cl_{0.5}$ 9—77571
Clinnick, M.L. *see* Chao, A.W. 9—72208
Clinton, D.J. *see* Allinson, D.L. 9—65523
Clinton, S.D., Watson, J.S. The solubility of tritium in yttrium at temperatures from 250 to 400°C 9—90784
Clippe, P. *see* Sousa, J.B. 9—51787
Cloizeaux, J.des *see* des Cloizeaux, J.
Close, D.A., Umbarger, C.J., West, L., Smith, W.J., Cates, M.R., Noel, B.W., Honey, F.J., Franks, L.A., Pigg, J.L., Trundle, A.S. Transuranic waste assay instrumentation: new developments and directions at the Los Alamos Scientific Laboratory 9—85692
Close, D.A. *see* Hendricks, J.S. 9—54542
Close, D.A. *see* Jain, M. 9—53572
Close, D.J. *see* Yusoff, M. 9—62042
Close, D.M., Fouse, G.W., Bernhard, W.A., Andersen, R.S. ESR and ENDOR study of X-irradiated single crystals of β-alanine at room temperature 9—56612
Close, E., Cornacchia, M., King, A., Lee, M.J. A proposed orbit and vertical dispersion correction system for PEP 9—72098
Close, F. The quark parton model 9—93368
Close, F.E. $e^+e^-\to\phi\pi$ and $\gamma N\to\phi\pi N$: their experimental and theoretical interest 9—71760
Close, F.E. The new particles and their significance 9—80409
Close, F.E. Introduction to quarks and partons 9—85276
Cloth, P. *see* Basu, T.K. 9—59255
Clothier, W.A., Sr. The [nuclear plant] construction sequence scale model an aid to productivity and quality assurance 9—97777
Cloud, P. *see* Theberge, J. 9—95067
Clough, A. *see* Bugg, D.V. 9—67594
Clough, A.S. *see* Davies, J.D. 9—55008
Clough, D.J., Morley, L.W. Planning, design and control of Earth observation systems 9—58220

Clough, J.W., Hansen, B.L. The Ross Ice Shelf project 9—88366
Clough, R.L. Computer modeling of polymer radiation chemistry 9—74382
Clough, S., Heidemann, A. A study of the temperature dependence of a methyl tunnelling spectrum by inelastic neutron scattering 9—51015
Clough, S., Heidemann, A., Kraxenberger, H. Torsional relaxation of methyl-group nuclear-spin-symmetry species 9—60287
Clough, S.A., Kneizys, F.X. Convolution algorithm for the Lorentz function 9—81239
Clough, S.B. *see* Blumstein, A. 9—60269
Clough, S.P. *see* Tuominen, S.M. 9—56982
Clouter, M.J. *see* Gagnon, R.E. 9—65816
Cloutier, P.A., Daniell, R.E., Jr. An electrodynamic model of the solar wind interaction with the ionospheres of Mars and Venus 9—84624
Cloutier, P.A. *see* Brace, L.H. 9—80256
Clover, M.R., Cormier, T.M., Fulton, B.R., Herman, B.J. Resonance in the two-nucleon transfer reaction $^{12}C(^{12}C, ^{10}B)^{14}N$ 9—80910
Clow, D.J. *see* Fike, J.R. 9—100672
Clowes, D.F. *see* Roots, W.D. 9—79781
Clowes, R.M., Knize, S. Crustal structure from a marine seismic survey of the west coast of Canada 9—100820
Clube, S.V.M. Critical tests of Lorentzian gravity 9—97288
Clube, S.V.M., Watson, F.G. Radial motion in the galactic system of globular clusters 9—67068
Cluff, L.S. Geologic considerations for seismic microzonation 9—88272
Cluff, L.S. *see* Idriss, I.M. 9—84182
Cluff, L.S. *see* Packer, D.R. 9—88284
Cluff, L.S. *see* Page, W.D. 9—79754, 9—88295
Cluff, L.S. *see* Rogers, T.H. 9—79753
Cluff, L.S. *see* Schwartz, D.P. 9—79804
Clugston, M.J., Pyper, N.C. A comparative study of Gordon-Kim interatomic potential-theory variants: application to the inert gases and mercury 9—76478
Cluley, A.P., Oliver, M.J. An observation of unusually high humidity in the lower stratosphere 9—79980
Cluxton, D.H. *see* Uzgiris, E.E. 9—84053
Clyne, M.A.A., Curran, A.H., McDermid, I.S. Laser fluorescence studies, including the $B^3\Pi(O^+)$ states of BrF, IF and ICl 9—50077
Clyne, M.A.A., Holt, P.M. Reaction kinetics involving ground $X^2\Pi$ and exicted $A^2\Sigma^+$ hydroxyl radicals. I. Quenching kinetics of OH $A^2\Sigma^+$ and rate constants for reactions of OH $X^2\Pi$ with CH_3CCl_3 and CO 9—72349
Clyne, M.A.A., Holt, P.M. Reaction kinetics involving ground $X^2\Pi$ and excited $A^2\Sigma^+$ hydroxyl radicals. II. Rate constants for reactions of OH $X^2\Pi$ with halogenomethanes and halogenoethanes 9—72350
Clyne, M.A.A., McDermid, I.S. Laser-induced fluorescence studies: B-X transition of Cl_2. II. Transition from bound to unbound excited states 9—94029
Clyne, M.A.A. *see* Monkhouse, P.B. 9—64085
Clyne, T.W. Theoretical solute redistribution during a modified form of zone refining—cascade purification 9—74083
Clyne, T.W. *see* Garcia, A. 9—56971
Cnops, A.M. *see* Baltay, C. 9—75770
Cnops, A.M. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Coad, J.P. *see* Dugdale, R.A. 9—83142
Coakley, J.A., Jr. *see* Ramanathan, V. 9—74954
Coakley, P., Hershkowitz, N. Laboratory double layers 9—68931
Coakley, P., Johnson, L., Jershkowitz, N. Strong laboratory double layers in the presence of a magnetic field 9—60177
Coakley, S.Melugin *see* Melugin Coakley, S.
Coat, Y.Le *see* Le Coat, Y.
Coates, D.J., Hendry, A. Influence of nitrogen on oxidation resistance of low-alloy steels 9—61786
Coates, G., Gray, G., Mansell, A., Nahmias, C., Powles, A., Sutton, J., Webber, C. Changes in lung volume, lung density, and distribution of ventilation during hypobaric decompression 9—100655
Coates, J.P. Industrial applications of computerized dispersive infrared spectroscopy for analysis in solution 9—49305
Coates, J.P., Geary, S. Design and application of low-cost infrared data systems 9—49304
Coates, R.A. *see* Randolph, P.D. 9—93772
Coats, A.C., Martin, J.L., Kidder, H.R. Normal short-latency electrophysiological filtered click responses recorded from vertex and external auditory meatus 9—53156
Cobb, D.D., Sapir, J.L., Kern, E.A. Inventory verification in large critical facilities [nuclear material projection] 9—85600
Cobb, D.D., Sapir, J.L., Kern, E.A. Safeguarding fast critical facilities 9—85611
Cobb, D.D. *see* Dayem, H.A. 9—85738
Cobb, D.D. *see* Hakkila, E.A. 9—85755
Cobb, E. *see* Wilkinson, E.C. 9—84051
Cobb, J.H. *see* Kourkoumelis, C. 9—63555
Cobbe, S.M., Poole-Wilson, P.A. Development of miniature pH electrodes 9—100781
Cobble, J.A., Glowienka, J.C. Optical diagnostics using a barium ion beam for spatial resolution of plasma parameters 9—94815
Cobble, M.H. Concentration by reflection analysis of a wedge 9—79395
Cobbold, P.R. *see* Bayly, M.B. 9—79841
Cobbold, R.S.C. *see* Folgueras, J. 9—99624
Cobbold, R.S.C. *see* Garcia, B.J. 9—57701
Cobbold, R.S.C. *see* Johnston, K.W. 9—96640
Cobbs, W.B., Jr. *see* Faraj, B.A. 9—53231
Coble, A.J. *see* Judd, D.J. 9—87065
Coble, R.L. *see* Yen, C.F. 9—65117
Coburn, J. *see* Chen, M. 9—78900
Coburn, J.W. In situ Auger electron spectroscopy of Si and SiO_2 surfaces plasma etched in CF_4-H_2 glow discharges 9—98922
Coburn, J.W., Kay, E. Some chemical aspects of the fluorocarbon plasma etching of silicon and its compounds 9—83350
Coburn, J.W., Kay, E. Some chemical aspects of the fluorocarbon plasma etching of silicon and its compounds 9—86631
Coburn, J.W., Winters, H.F. Ion- and electron-assisted gas-surface chemistry—an important effect in plasma etching 9—82073
Coburn, J.W., Winters, H.F. Plasma etching—A discussion of mechanisms 9—83348
Coburn, J.W. *see* Chuang, T.J. 9—70367
Coburn, T.J. *see* Ahrenkiel, R.K. 9—61771
Coca, C. *see* Balea, E. 9—63520
Coca-Prados, M. *see* Ming-Ta Hsu 9—83703
Cocagne, J. *see* Pelletier, J. 9—93850
Cocco, D.M. *see* Warde, C. 9—72714
Coccoli, J.D., Helfant, S. RLG evaluation complementary modeling and testing [ring laser gyro] 9—72605
Cocconi, G. *see* Jonker, M. 9—93399
Cocconi, V.T. *see* Blietschau, J. 9—93396
Cochet, C., Lewin, C., Barloutaud, R., Denegri, D., Givernaud, A., Turluer, M.L., Gensch, U., Kriegel, U., Vogt, H., Kirk, H., Morrison, D.R.O., Saarikko, H., Triantis, F.A., Arestov, Y., Kistenev, E.P., Kozlovsky, E.A., Moiseev, A.M., Ukhanov, M.N., Mandl, F. Vector and tensor meson production in K^-p interactions at 32 GeV/c 9—80854
Cochet, C. *see* Givernaud, A. 9—58982, 9—75801
Cocho, G. *see* Avilez, C. 9—71649, 9—93436
Cochran, G.V.B. *see* Stewart, S.F.C. 9—83707
Cochran, G. Van B. Stress analysis of the subtrochanteric fracture of the femur 9—79591
Cochran, J.F. *see* Dewar, G. 9—82877
Cochran, J.F. *see* Heinrich, B. 9—82878
Cochran, J.K. *see* Benninger, L.K. 9—66672
Cochran, J.K. *see* Turekian, K.K. 9—74967, 9—84300
Cochran, W.T., Gaines, J.R. An alternative to enhanced quantum diffusion in solid H_2 below 0.3K 9—90845
Cochrane, J., Gieraltowski, G.F., Hyman, L.G. Monte Carlo study of the scanning problem with a visibility distribution 9—49915
Cochrane, R.W. Resistivity of amorphous metallic alloys 9—69486
Cochrane, R.W., Hedgcock, F.T., Kastner, B.J., Muir, W.B. The resistivity of amorphous metallic alloys down to 60 mK 9—60783
Cochrane, R.W., Strom-Olsen, J.O., Williams, G. Magnetisation and magnetoresistance of PdCr spin glasses 9—69680
Cockayne, B. *see* Robbins, D.J. 9—61443, 9—99952, 9—99953
Cockayne, B. *see* Whatmore, R.W. 9—99825
Cockayne, D.J.H. The weak-beam method of electron microscopy 9—67440
Cockayne, D.J.H., Hons, A. Dislocations in semiconductors as studied by weak-beam electron microscopy 9—82216
Cockayne, D.J.H. *see* Anstis, G.R. 9—73075
Cocke, C.L. *see* Andersen, N. 9—86052, 9—86053
Cocke, C.L. *see* Annett, C.H. 9—54958
Cocke, C.L. *see* Hagmann, S. 9—72390
Cocke, C.L. *see* Rodbro, M. 9—76510
Cocke, W.J., Giampapa, M.S., Pacholczyk, A.G. Compact variable extragalactic objects and small-pitch-angle synchrotron theory 9—53919
Cocks, F.H. *see* Wong, D. 9—70222
Cocks, T.D., Jacka, F. Daytime thermospheric temperatures, wind velocities and emission intensities derived from ground based observations of the O I λ630 nm airglow line profiles 9—58144
Cocquyt, G. Air pollution prediction via third order shaping filter modelling 9—57536
Codastefano, P., Rocca, D., Zanza, V. Search for a logarithmic term in the density expansion of the diffusion coefficient of Kr in Xe 9—82024
Codegone, M. Homogenisation problems in diffraction theory 9—49057
Codispoti, L.A., Friederich, G.E. Local and mesoscale influences on nutrient variability in the northwest African upwelling region near Cabo Corbeiro 9—57971
Codling, K. *see* Holland, D.M.P. 9—85939
Cody, C.A. *see* Viswanath, R.S. 9—51949
Cody, R.J., Sabety-Dzvonik, M.J. Laser-induced fluorescence of CN radicals produced by photodissociation of RCN 9—52725
Coe, D. *see* Cattolica, R. 9—94656
Coe, M.J., Dennis, B.R., Dolan, J.F., Crannell, C.J., Frost, K.J., Orwig, L.E. X-ray observations of AM Herculis from OSO 8 9—71075
Coe, M.J. *see* Dolan, J.F. 9—75297
Coe, M.J. *see* Maurer, G.S. 9—92888
Coe, M.J. *see* Quenby, J.J. 9—58444
Coenen, Y., Marchal, G., Baert, A.L., Wilms, G., Termote, J.L., Van Dooren, W., Ponette, E. Contribution of computer tomography in the evaluation of bone tumours and associated pathology 9—66552
Coenen, Y. *see* Marchal, G. 9—66551
Coenen, Y. *see* Schonken, P. 9—66559
Coensgen, F.H. *see* Turner, W.C. 9—86589
Coerdt, W. *see* Mainka, E. 9—49690
Coester, F. *see* Betz, M. 9—85417
Coester, J.Y., Hofheimer, H. Selecting HgCdTe photodiodes 9—58791
Coetzee, J.F., Subak, E.J., Jr. Enthalpies of solvation of nickel(II) and manganese(II) ions in various solvents 9—69264
Coetzee, J.F. *see* Savinell, R.F. 9—92070
Coeuret, F. *see* Gaunand, A. 9—52679
Coeuret, F. *see* Hutin, D. 9—94714
Coey, J.M.D., Cornut, B., Holtzberg, F., von Molnar, S. Magnetic and thermal properties of the mixed valence compounds Sm_2S_3, Sm_3S_4, and Sm_3Se_4 9—78400
Coey, J.M.D., Roux-Buisson, H. Electronic properties of $(Ni_{1-x}Fe_x)S$ solid solutions 9—78376
Coey, J.M.D. *see* Ballet, O. 9—61188
Coey, J.M.D. *see* Ferey, G. 9—91228
Coey, J.M.D. *see* Massenet, O. 9—51888
Coeytaux, M. *see* d'Utruy, B. 9—61954
Coffari, E. *see* Malik, M.A.S. 9—62130
Coffeen, D.L. Polarization and scattering characteristics in the atmospheres of Earth, Venus, and Jupiter 9—96814
Coffeen, D.L. *see* Pang, K. 9—96958
Coffey, C. *see* Wrede, D. 9—53250
Coffey, C.W., II. *see* Edwards, F.H. 9—88199
Coffey, J.L., Watson, E.E. Calculating dose from remaining body activity: a comparison of two methods 9—83941
Coffey, J.M., Oates, G., Whittle, M.J. The future of ultrasonic examination in engineering 9—79196
Coffey, W.T., Evans, M.W., Evans, G.J. The itinerant oscillator model II analysis for dielectric relaxation and incoherent neutron scattering from atoms 9—90509
Coffey, W.T. *see* Evans, G.J. 9—73278
Coffey, W.T. *see* Evans, M.W. 9—59525
Coffin, C.T. *see* Ammosov, V. 9—71737
Coffin, C.T. *see* Berge, J.P. 9—71741
Coffin, C.T. *see* Efremenko, V.I. 9—75763
Coffin, L.D. *see* Opie, W.R. 9—61534
Coffman, M.S. *see* Iltis, R. 9—49239
Cogan, A.I. The relationship between the apparent vertical and the vertical horopter 9—100619
Cogan, B.C. Can reddenings of Cepheids be determined from mean UBV colours? 9—71056
Cogan, J.N. *see* Lund, M.W. 9—72551
Cogger, L.L., Khaneja, R. Characteristics of the midlatitude maximum in the 0 I 5577 Å air glow emission rate 9—84561
Coggiola, M.J., Gaily, T.D., Gillen, K.T., Peterson, J.R. Determination of neon metastable beam composition 9—54801
Coggon, J.H. *see* Oliver, G.J.H. 9—88325
Coghen, T. *see* Otter, G. 9—85338
Coghlan, B.A., Taylor, M.G. A carotid imaging system utilising continuous-wave Doppler-shift ultrasound and real-time spectrum analysis 9—57731
Coghlan, B.A., Taylor, M.G. Improved real-time spectrum analyser for Doppler-shift blood-velocity waveforms 9—88145
Cogley, C.D., Fry, H.A., Kukolich, S.G. Measurement of Cl and N quadrupole coupling in ClCN 9—72337
Cogley, J.G. Albedo contrast and glaciation due to continental drift 9—74950
Cogne, F. *see* Tanguy, P. 9—81033
Cogneau, M. *see* Schoeters, E. 9—75836
Cogniat, F. *see* Perrigot, J. 9—69793
Cohan, N.V., Weissmann, M. Numerical study of systems with diagonal and off-diagonal disorder in a non-orthogonal basis 9—69387
Cohen, A. Existence and regularity for solutions of the Korteweg-de Vries equation 9—71265
Cohen, A., Alpert, P. Cross sections for extinction of tilted infinite circular cylinders 9—94146
Cohen, A., Raviv, G., Cooney, J., Wolfson, N. Mathematical inversion of angular multiple light scattering data 9—89847
Cohen, A. *see* Gill, R. 9—100974
Cohen, A.D. *see* Trice, J.B. 9—83576
Cohen, A.-H. *see* Weiss, M.A. 9—50777
Cohen, B.G. Birefringence reveals internal defects 9—83405
Cohen, B.I., Max, C.E. Stimulated scattering of light by ion modes in a homogeneous plasma: space-time evolution 9—68930
Cohen, B.L. Methods for predicting the effectiveness of uranium mill tailings covers 9—93838
Cohen, B.L. *see* Alzona, J. 9—83654
Cohen, B.M. *see* Rice, R.E. 9—57481

Cohen, C. *see* Schmaus, D. 9—86828

Cohen, D., Arai, S.F., Brain, J.D. Smoking impairs long-term dust clearance from the lung 9—74713

Cohen, D., Basch, H. The ellipsoidal Gaussian basis in molecular orbital theory. II. Comparison with the double-zeta basis 9—93919

Cohen, D.H. *see* Cabot, J.B. 9—92211

Cohen, D.S. *see* Hagan, P.S. 9—99658

Cohen, E. *see* Kardontchik, J.E. 9—73442

Cohen, E.J., Andrews, H.R., Knott, T.F., Pipkin, F.M., Santry, D.C. Beta-ray asymmetry from oriented $^{110}Ag^{m}$ 9—93562

Cohen, G.H. *see* Saini, V.D. 9—92221

Cohen, H., Oliver, J. Look who's moving into our neighborhood 9—66995

Cohen, H., Shah, A.H., Thambiratnam, D.P. Transient and time harmonic waves in elastic plates 9—50633

Cohen, H. *see* Bachman, R.C. 9—72850

Cohen, H. *see* Wilms, E.V. 9—64601

Cohen, H.A., Sherman, C., Mullen, E.G. Spacecraft charging due to positive ion emission: an experimental study 9—84633

Cohen, I., Lipkin, H.J. A phenomenological model for pseudoscalar meson mixing 9—54316

Cohen, I., Lipkin, H.J. A QCD relation between electromagnetic mass differences of charmed mesons and strange baryons 9—71750

Cohen, J., Ocheana, G., Oncescu, M. Metallic samples specific activity determination by mathematical modelling 9—63881

Cohen, J., Oncescu, M. Radiometrical system design by mathematical modelling of relevant physical processes 9—59313

Cohen, J. *see* Barna, A. 9—81098

Cohen, J.B., James, M.R. The measurement of residual stresses with X-rays 9—97484

Cohen, J.B., Schlosberg, W.H. Interpreting X-ray scattering 9—68977

Cohen, J.B. *see* Georgopoulos, P. 9—94845, 9—95005

Cohen, J.B. *see* James, M.R. 9—85205

Cohen, J.B. *see* Morinaga, M. 9—99123, 9—99177

Cohen, J.B. *see* Terauchi, H. 9—73163

Cohen, J.E. Long-run growth rates of disrete multiplicative processes in Markovian environments 9—75453

Cohen, J.E. Random evolutions and the spectral radius of a non-negative matrix 9—93042

Cohen, J.G. Abundances in globular cluster red giants. II. M92 and M15 9—92759

Cohen, J.M., Ftaclas, C., Moses, H.E. Clock synchronization in a rotating frame 9—49037

Cohen, J.M., Gautreau, R. Naked singularities, event horizons, and charged particles 9—71684

Cohen, J.M. *see* Ftaclas, C. 9—53948

Cohen, J.M. *see* Kegeles, L.S. 9—58597

Cohen, J.M. *see* Pechenick, K.R. 9—58596

Cohen, J.S. *see* Bardsley, J.N. 9—76511

Cohen, L. *see* Burkhalter, P.G. 9—98012

Cohen, L.A., Martin, J.H., Ramsey, N.F. Signs of rotational g factors 9—59600

Cohen, L.G., Chinlon Lin, French, W.G. Tailoring zero chromatic dispersion into the 1.5-1.6 μm low-loss spectral region of single-mode fibres 9—64320

Cohen, L.G., Fleming, J.W. Effect of temperature on transmission in lightguides 9—76817

Cohen, L.H., Klement, W., Jr. High-low cristobalite transitions in SiO_2, $AlPO_4$ and $GaPO_4$. Investigations by differential thermal analysis under hydrostatic pressures ≲6 kbar 9—82335

Cohen, M., Feldmann, T. A generalisation of Temple's lower bound to eigenvalues 9—88823

Cohen, M., Kuhi, L.V. Observational studies of star formation: a preliminary report 9—58333

Cohen, M., Mitchell, D., Hashimoto, K. The composition of anodically formed iron oxide films 9—90898

Cohen, M. *see* Green, M.L. 9—96056

Cohen, M. *see* Salzbrenner, R.J. 9—61585

Cohen, M. *see* Yariv, S. 9—69259

Cohen, M.H., Pearson, T.J., Readhead, A.C.S., Seielstad, G.A., Simon, R.S., Walker, R.C. Superluminal variations in 3C 120, 3C 273, and 3C 345 9—92882

Cohen, M.H. *see* Maniv, T. 9—78820

Cohen, M.H. *see* Readhead, A.C.S. 9—92883

Cohen, M.H. *see* Theodorou, G. 9—69682

Cohen, M.I., Heimann, P.A. A microprocessor controlled potentiostat for electrochemical measurements 9—85133

Cohen, M.J., Chow, W.L., Liu, S.K. Comment on 'Numerical solutions of the compressible hodograph equation' 9—60042

Cohen, M.L. The pseudopotential panacea 9—90933

Cohen, M.L. *see* Chelikowsky, J.R. 9—51649

Cohen, M.L. *see* Ho, K.M. 9—69054

Cohen, M.L. *see* Ihm, J. 9—60750, 9—95486

Cohen, M.L. *see* Louie, S.G. 9—69394

Cohen, M.L. *see* Pickett, W.E. 9—69401

Cohen, M.L. *see* Zunger, A. 9—60748, 9—95319

Cohen, M.S., Beall, G.W., Kryder, M.H., Mazzeo, N.J., Collins, T.W. Influence of NiFe quality on bubble devices 9—78466

Cohen, N., Westberg, K. Evaluation and compilation of chemical kinetic data 9—74345

Cohen, P.I. *see* Elam, W.T. 9—69329

Cohen, P.I. *see* Kortan, A.R. 9—82447

Cohen, P.S. *see* Bahl, L.R. 9—64421

Cohen, R. An overview of the US OTEC development program 9—83613

Cohen, R. *see* Osterbrock, D.E. 9—67100

Cohen, R.C. *see* Diamond, W. 9—54679

Cohen, R.E. On the response of viscoelastic materials to triangle pulse and delta function excitations 9—55332

Cohen, R.H. Orbital resonances in nonaxisymmetric mirror machines 9—59250

Cohen, R.J. The unusual kinematics of the galaxy IC 10 9—67098

Cohen, R.J. *see* Mirabel, I.F. 9—71126

Cohen, R.L. ^{197}Au isomer shifts in alloy systems 9—87357

Cohen, S., Powers, R., Rudman, R. Polymorphism of the crystalline methylchloromethane compounds. VI. The crystal and molecular structure of ordered carbon tetrachloride 9—77559

Cohen, S. *see* Eubank, H. 9—82074

Cohen, S. *see* Haigler, H. 9—92189

Cohen, S. *see* Moalem Maron, D. 9—94709

Cohen, S.A., McCracken, G.M. A model for hydrogen isotope backscattering, trapping and depth profiles in carbon and amorphous silicon 9—99233

Cohen, S.A. *see* Dylla, H.F. 9—80631

Cohen, S.A. *see* Rossnagel, S.M. 9—82451

Cohen, S.C. Postseismic surface deformations due to lithospheric and asthenospheric viscoelasticity 9—57884

Cohen, S.C. Numerical and laboratory simulation of fault motion and earthquake occurrence 9—100815

Cohen, S.S. *see* Wilde, R.E. 9—69036

Cohen, T.J. Solar cycle update: the early years 9—58308

Cohen, Y. *see* Metzner, A.B. 9—60032

Cohen-Solal, G. *see* Mimila-Arroyo, J. 9—51668

Cohen-Tannoudji, C. *see* Himbert, M. 9—89972

Cohen-Tannoudji, G., El Hassouni, A., Kalinowski, J., Peschanski, R. Quark-parton model from dual topological unitarization 9—93361

Cohen-Tenoudji, F. *see* Tittmann, B.R. 9—57197

Coheur, L. *see* Gaspard, C. 9—91726

Cohler, M.D. *see* Clarke, N.M. 9—85442

Cohn, D.R. High field Tokamak reactors 9—60176

Cohn, D.R., Cook, D.L., Hay, R.D., Kaplan, D., Kreischer, K., Lidsky, L.M., Stephany, W., Williams, J.E.C., Jassby, D.L., Okabayashi, M. A high-field, high-density Tokamak power reactor 9—71971

Cohn, D.R., Williams, J.E.C., Bromberg, L., Kreischer, K., Montgomery, D.B., Parker, R.R. A high-field ignition test reactor (HFITR) 9—71965

Cohn, D.R. *see* Bromberg, L. 9—89500

Cohn, D.R. *see* Jassby, D.L. 9—71962

Cohn, D.R. *see* Temkin, R.J. 9—60159

Cohn, D.R. *see* Woskoboinikow, P. 9—55145

Cohn, H.O. *see* Brick, D. 9—58980

Cohn, S.H. *see* Vartsky, D. 9—83914

Cohn, T.E. *see* Thibos, L.N. 9—83778

Cohn, V.E. *see* Soltzberg, L.J. 9—99312

Coifan, V. *see* Rogojan, A. 9—80396

Coisson, R. Angular-spectral distribution and polarization of synchrotron radiation from a 'short' magnet 9—94137

Coisson, R., Rancan, E. Quantitative use of a Crookes radiometer 9—62978

Coisson, R. *see* Bossart, R. 9—86119

Coit Butler, F. The concept of competence: an operational definition 9—92905

Cojocaru, M. *see* Florian, E. 9—74338

Cok, D.R., Lundeen, S.R. Magnetic and electric fine structure in helium Rydberg states 9—76333

Cokmez, S. *see* Naser, J.A. 9—59156

Colaitis, D., Delavignette, P., van Dyck, D., Amelinckx, S. Long period superstructures related to partial ordering in $Ni_{3\pm x}Te_2$ as studied by means of electron diffraction 9—51056

Colaitis, D., van Dyck, D., Delavignette, P., Amelinckx, S. Direct structure imaging of long period $Ni_{3\pm x}Te_2$ superstructures 9—86761

Colaitis, D. *see* Van Dyck, D. 9—82187

Colangelo, V. Metallographic analysis of corrosion failures 9—61836

Colavita, E. *see* Weaver, J.H. 9—73930

Colbeck, J. The curriculum project: racing chariot or tumbril? 9—97129

Colbeck, S.C. Sintering and compaction of snow containing liquid water 9—62536

Colbourn, E.A., Dyke, J.M., Fackerell, A., Morris, A., Trickle, I.R. Vacuum ultraviolet photoelectron spectrum of the GeO($X^1\Sigma^+$) molecule 9—72358

Colbourn, E.A., Wayne, F.D. The values of $\langle L^2 \rangle$ in diatomic molecules: implications for adiabatic and molecular fine structure calculations 9—76364

Colburn, D.S. *see* Pollack, J.B. 9—84717

Colby, P.C. *see* Knutson, L.D. 9—85446

Colchin, R.J. *see* Gomay, Y. 9—90438

Colchin, R.J. *see* Simpkins, J.E. 9—82096

Colclough, A.R. The use of admittance figures in the processing of acoustic interferometry measurements 9—50539

Colclough, A.R. Nonlinearity errors in acoustic interferometry 9—50540

Colclough, A.R., Chandler, T.R.D., Quinn, T.J. An acoustic redetermination of the gas constant 9—93094

Coldea, M. *see* Pop, I. 9—65034, 9—73675, 9—95570, 9—95656

Coldea, S. Calculation of the ionic transport coefficients of liquid metals 9—60533

Coldewey, R.W. *see* Hsieh, C.K. 9—82008

Coldren, L.A., Rosenberg, R.L. Surface-acoustic-wave resonator filters 9—55283

Coldren, L.A. *see* Rosenberg, R.L. 9—68492

Cole, A.G. *see* Bahl, L.R. 9—64421

Cole, A.J. *see* Viano, J.B. 9—93652

Cole, A.M. *see* Brice, J.C. 9—56824

Cole, A.S. X-rays and vidicon TV combine for instant inspection of precision components 9—74321

Cole, A.S. Comparison between the Philips MG 420 and MG 300 systems in the X-ray inspection of welded seams in heavy engineering 9—93269

Cole, B.E. *see* Stockbauer, R. 9—98167

Cole, C.V. *see* Atcheson, D.B. 9—85660

Cole, D.M., Kosloff, D.D., Minster, J.B. A numerical boundary integral equation method for elastodynamics. I 9—63036

Cole, G.D. *see* Porile, N.T. 9—67735

Cole, G.H.A. Kinetic theory of liquids 9—60246

Cole, J.B., Swords, M.D. Laser Doppler anemometry measurements in an engine 9—77296

Cole, J.D. Shape coexistence of light, even A mercury isotopes 9—97652

Cole, J.D. *see* Chadwick, R.S. 9—92232

Cole, J.E., III Sound propagation in a duct with axial sound speed variation: an exact solution 9—81588

Cole, J.E., III, Junger, M.C. Nonuniform structural waveguides 9—50485

Cole, J.E., III *see* Barakat, R. 9—68497

Cole, J.H., St. Pierre, L.E. The role of interfacial energy in the heterogeneous nucleation of polyether crystallization 9—69023

Cole, J.S. *see* Hartley, C.J. 9—62318, 9—62318

Cole, K.D. *see* Butcher, E.C. 9—66865

Cole, L., Lawrence, W.E., Monnier, R., Joss, W., van der Mark, W., Manninen, M. Impurity scattering of the Fermi surfaces: A (more) realistic calculation 9—56114

Cole, L.T., Allen, C.A. Liquid-fluidized-bed heat exchanger flow distribution models 9—52879

Cole, M.W., Goodstein, D.L., Kwoh, D. Electrohydrodynamic instability in a superthick superfluid film 9—51382

Cole, M.W., Klein, J.R. Tunneling from electron bubbles beneath the surface of liquid helium 9—86945

Cole, R. *see* Ozakcay, L. 9—62102

Cole, R.J. Complementary variational principles for free molecular channel flow 9—64708

Cole, R.J. Transmission probability of free molecular flow through a tube 9—94662

Cole, R.S. *see* Asimakopoulos, D.N. 9—57999

Cole, R.S. *see* Moulsley, T.J. 9—84489

Cole, T. *see* Melson, K.E. 9—76159

Cole, T.W. Configurations for the complex-internal-reflection (CIR) light modulator 9—50384

Cole, T.W. Mutual coherence function in radio astronomy 9—75115

Cole, W. *see* Vidali, G. 9—99429

Colella, R. *see* Boato, G. 9—73453

Colella, R. *see* Sinclair, F. 9—87042

Colella, R. *see* Stevenson, J.R. 9—82897

Colella, R. *see* Werner, S.A. 9—54012

Coleman, C.E. *see* Gilbert, R.W. 9—99247

Coleman, C.F. The use of running integrated difference curves for analysing momentum distribution from positron annihilation experiments 9—56881

Coleman, D.M. *see* Scheeline, A. 9—80690

Coleman, D.S. Materials surfaces after ion etching 9—83362

Coleman, G.T., Metcalf, S.C., Berry, C.J. Heat transfer to hemisphere cylinders and bluff cylinders between continuum and free molecular flow limits 9—98756

Coleman, J.D., Bolton, M.P. Microprocessor detection of electrocardiogram R-waves 9—96685

Coleman, J.J. *see* Abrams, E.B. 9—90694

Coleman, J.P., Mohamed, J. De Vogelaere's method with automatic error control 9—63062

Coleman, M.M. *see* Holland-Moritz, K. 9—87435

Coleman, M.M. *see* Petcavich, R.J. 9—87437

Coleman, P.G. The distortion of TAC-MCA spectra by the measuring process 9—63877

Coleman, P.G., McNutt, J.D. Measurement of differential cross sections for the elastic scattering of positrons by argon atoms 9—54939

Coleman, P.G., McNutt, J.D., Diana, L.M., Burciaga, J.R. Scattering of low-energy positrons by helium and neon atoms 9—89786

Coleman, R. *see* Mather, R.S. 9—79720

Coleman, R.M. *see* Haussling, H.J. 9—72905

Coleman, R.N. *see* Anderson, K.J. 9—67612

Coleman, R.N. *see* Hogan, G.E. 9—63552
Coleman, R.N. *see* Newman, C.B. 9—63553
Coleman, R.V. *see* Hillenius, S.J. 9—82756
Coleman, R.V. *see* Korman, C.S. 9—59521
Coleman, R.V. *see* Muldoon, M.F. 9—95549
Coleman, T.G. *see* Jaros, G.G. 9—83725
Coleman, W.F., Paine, R.T., Burton Lewis, R., McDowell, R.S., Jones, L.H., Asprey, L.B. Spectroscopy and photochemistry of matrix isolated metal haxafluorides 9—50043
Coleridge, H.M., Coleridge, J.C.G., Kidd, C. Afferent innervation of the heart and great vessels: a comparison of the vagal and sympathetic components 9—83726
Coleridge, J.C.G. *see* Coleridge, H.M. 9—83726
Coles, D.G. *see* Maenhaut, W. 9—84382
Coles, H.J., Strazielle, C. Pretransitional behaviour of the direct isotropic to smectic A phase transition of dodecylcyanobiphenyl (12CB) 9—60487
Coles, H.J. *see* Strazielle, C. 9—95790
Coles, M.W. *see* Abrams, G.S. 9—89149, 9—89174
Colestock, P., Strachan, J.D., Ulrickson, M., Chrien, R. Confinement of fusion-produced tritium in the Princeton large torus 9—98955
Colestock, P. *see* Eubank, H. 9—82074
Colestock, P. *see* Strachan, J.D. 9—68954
Colgate, S.A. Supernova mass ejection and core hydrodynamics 9—53842
Colgate, S.A. Supernovae as a standard candle for cosmology 9—101167
Colgate, S.A., Petschek, A. Supernova Type I luminosity 9—53843
Colin, J. Angular motion of trapped stars near the corotation circle in spiral galaxies 9—88705
Colin, R. The $B^1\Sigma^+$-$X^3\Sigma^-$ band system of the PBr molecule 9—81203
Colin, R., Herman, M., Kopp, I. Renner-Teller interactions in the acetylene molecule 9—72332
Coll, J.B. *see* Raghunathan, S. 9—94642
Colla, B. *see* Alessio, L. 9—70669
Collaboration The Isolde *see* The Isolde Collaboration
Collar, P.G., Vassie, J.M. Near-surface current measurement from a surface following data buoy (DB1). II. An harmonic and residual analysis of current meter records 9—84290
Collard, H.R. *see* Intriligator, D.S. 9—96861
Collares-Pereira, M., Goodman, N.B., Greenman, P., O'Gallagher, J., Rabl, A., Simmons, H., Wharton, L., Winston, R. Compound parabolic concentrators with non-evacuated receivers: prototype performance and a larger scale demonstration in a school heating system 9—62105
Collares-Pereira, M., O'Gallagher, J., Rabl, A., Winston, R., Egger, J., Williams, K. High temperature solar collector of optimal concentration—non-focusing lens with secondary concentrator 9—62112
Collares-Pereira, M., O'Gallagher, J.J., Rabl, A., Winston, R. A compound parabolic concentrator for a high temperature solar collector requiring only twelve tilt adjustments per year 9—62104
Collares-Pereira, M., Rabl, A. The average distribution of solar radiation-correlations between diffuse and hemispherical and between daily and hourly insolation values 9—87975
Collares-Pereira, M., Rahl, A. Simple procedure for predicting long term average performance of nontracking and of tracking solar collectors 9—62116
Collepardi, M., Baldini, G., Pauri, M., Corradi, M. Retardation of tricalcium aluminate hydration by calcium sulfate 9—61856
Colles, M.J. *see* Pidgeon, C.R. 9—64270
Collet, A. *see* Chion, B. 9—86778
Collett, E., Wolf, E. New equivalence theorems for planar sources that generate the same distributions of radiant intensity 9—89843
Collett, G.W., Rand, B. Thixotropic changes occurring on reheating a coal tar pitch containing mesophase 9—90205
Collette, J.M. *see* Marchal, G. 9—66551
Collier, A.M. *see* Pimmel, R.L. 9—92277
Collier, C.G. *see* Ball, A.P. 9—100936
Collier, R.J. *see* Diprose, M.F. 9—100779
Collier, R.J. *see* Pepper, M.G. 9—57801
Colliex, C. *see* Boulesteix, C. 9—66596
Colliex, C. *see* Jeanguillaume, C. 9—61934
Colliex, C. *see* Sudraud, P. 9—61503
Colligiani, A., Pinzino, C., Brustolon, M., Corvaja, C. ESR and ENDOR studies of γ-irradiated single crystals of potassium hydrogen malonate 9—78524
Colligon, J.S. *see* Fischer, G. 9—54217
Colligon, J.S. *see* Kiriakidis, G. 9—74038, 9—74044
Colligon, J.S. *see* Lewis, G.W. 9—51171
Collin, G. *see* Le Nagard, N. 9—55714, 9—60334
Collin, J.E. *see* Natalis, P. 9—89710
Collin-Souffrin, S. Far galaxies and quasars 9—97068
Collin-Souffrin, S. Optical and UV spectra of quasars and active nuclei 9—97094
Collin-Souffrin, S. *see* Alloin, D. 9—88721
Collina, R. *see* Bandelloni, G. 9—71650
Collings, A.F. *see* McLaughlin, I.L. 9—55634
Collings, E.W. Magnetic studies of phase equilibria in Ti-Al (30 to 57 at. pct) alloys 9—60483
Collings, E.W. Magnetic evaluation of machining induced deformation transformation in austenitic stainless steels 9—83195
Collings, E.W., Ledbetter, H.M. Sound velocity anomalies near the spin glass transition in an austenitic stainless steel alloy 9—82795
Collings, P.J., Photinos, D.J., Bos, P.J., Ukleja, P., Doane, J.W. NMR in spinning samples of biaxial liquid crystals 9—64987
Collins, A.J. *see* Chapman, V.B. 9—90903
Collins, A.J. *see* Pickard, R.S. 9—84049
Collins, A.L.W. *see* Taplin, D.M.R. 9—66171
Collins, A.T., Rafique, S. Optical studies of the 2.367 eV vibronic absorption system in irradiated type Ib diamond 9—73975
Collins, B.A., MacNichol, E.F., Jr. Sectioning of Epon blocks in the 20 to 60μm range for histological studies 9—74814
Collins, B.A. *see* Levine, J.S. 9—74667
Collins, C.B., Lee, F.W. Measurement of the rate coefficients for the bimolecular and termolecular ion-molecule reactions of Ar_2^+ with selected atomic and molecular species 9—87837
Collins, C.B., Olariu, S., Petrascu, M., Popescu, I. Enhancement of γ-ray absorption in the radiation field of a high-power laser 9—59033
Collins, C.B. *see* Chellehmalzadeh, M.A. 9—85974
Collins, C.B. *see* Koch, M.E. 9—50035, 9—54827
Collins, C.B. *see* Toader, E.I. 9—85956
Collins, D. *see* Mason, P. 9—55987
Collins, D.A. *see* Lile, D.L. 9—60933
Collins, D.M. The use of SnTe as the source of donor impurities in GaAs grown by molecular beam epitaxy 9—95035
Collins, D.M. *see* Luscher, P.E. 9—95940
Collins, E.A., Hoffmann, D.J., Soni, P.L. Rheology of PVC dispersions. I. Effect of particle size and particle size distribution 9—92007
Collins, G.B., Caney, V., Humphreys, P.D., Thomasson, R.K. Commissioning of prototype fast-reactor controls 9—89459
Collins, G.J. *see* Hemmati, H. 9—89897
Collins, G.J. *see* Solanki, R. 9—68383, 9—81409
Collins, G.S., Kachnowski, T., Benczer-Koller, N., Pasternak, M. Application of the Mossbauer effect to the characterization of an amorphous tin-oxide system 9—61283
Collins, H.C. *see* Macfarlane, J.C. 9—60787
Collins, J.C. *see* Adam, S. 9—54701, 9—54708
Collins, J.C. *see* Bertuccio, T. 9—54702
Collins, J.C. *see* Friesel, D.L. 9—72087
Collins, J.L. *see* Lorenz, R.A. 9—49780
Collins, J.T., Bell, M.J., Hewitt, W.M. Radioactive waste source terms 9—54569
Collins, M.A., Blumen, A., Currie, J.F., Ross, J. Dynamics of domain walls in ferrodistortive materials. I. Theory 9—73282
Collins, M.A. *see* Currie, J.F. 9—73890
Collins, M.A. *see* Gutkowicz-Krusin, D. 9—90225, 9—90226
Collins, M.A. *see* Procaccia, I. 9—58623
Collins, M.T., Chang, C.C., Tabor, S.L., Wagner, G.J., Wu, J.R. Decay modes of the isoscalar giant quadrupole resonance in ^{58}Ni 9—63649
Collins, P., Duquette, D.J. Corrosion fatigue behavior of a duplex aluminum bronze alloy 9—70218
Collins, P.J., McFarlane, H.F., Carpenter, S.G. Control rod interactions in ZPPR-7G, a heterogeneous LMFBR benchmark assembly 9—81035
Collins, P.J. *see* Lineberry, M.J. 9—59122
Collins, R. Separation from spherical caps in Stokes flow 9—60076
Collins, R., Kivity, Y. Dynamic rheology of viscoelastic tubes 9—62274
Collins, R. *see* Avignant, D. 9—65187
Collins, R. *see* Carter, G. 9—52067
Collins, R. *see* Merchant, P. 9—56262
Collins, R.A., Muhl, S., Dearnaley, G. The effect of rare earth impurities on the oxidation of chromium 9—79160
Collins, R.A. *see* Jones, G. 9—82651
Collins, R.E. The mathematical basis of quantum mechanics. II 9—88831
Collins, R.W. *see* Anderson, D.A. 9—91096
Collins, S.A. *see* Ingersoll, A.P. 9—92711
Collins, S.A. *see* Mitchell, J.L. 9—92712
Collins, S.A., Jr., Ambuel, J., Damon, E.K. Numerical optical data processing 9—76871
Collins, S.K., Cefola, P.J. Computationally efficient modelling for longterm prediction of Global Positioning System orbits 9—80198
Collins, T. Solar energy: four sites demonstrate potential 9—61946
Collins, T.W. *see* Churchill, J.N. 9—91147
Collins, T.W. *see* Cohen, M.S. 9—78466
Collins, W.C. Photodichroic crystals as adaptive spatial filters 9—72713
Collins II, G.W., Newsome, G.H. On the nature of SS 433 9—88679
Collobert, D., Chouan, Y. A new hypothesis about sputtered tantalum 9—52116
Collocott, S.J., Taylor, K.N.R. Magneto-optical properties of praseodymium- and holmium-doped soda glass 9—65894
Collomb, A. *see* Bochu, B. 9—90615
Collongues, R. *see* Vivien, D. 9—51850
Collot, C. *see* Linard, M. 9—74203
Collver, M.M., Hammond, R.H. Superconductivity in amorphous 3d-transition-metal alloy films 9—60953
Collver, M.M. *see* Alzamir, J. 9—65485
Colmenero, J., Barandiaran, J.M. Crystallization of $Al_{23}Te_{77}$ glasses 9—51000
Colomb, G. *see* Manaranche, J.C. 9—63790, 9—80977
Colombani, P. *see* Hubert, P. 9—63577
Colombani, P. *see* Tricoire, H. 9—54448
Colombeau, B., Froehly, C., Vampouille, M. Fourier description of the axial structure of speckle 9—72494
Colombet, P., Danot, M., Jumas, J.-C., Philippot, E. TiS_2-A_2S (A=Na and K) systems 9—52636
Colombet, P., Danot, M., Rouxel, J. The intercalation compounds $ASnS_2$. The intercalation-substitution compounds $Na_xIn_xSn_{1-x}S_2$ 9—69095
Colombet, P., Danot, M., Rouxel, J. Ionic conductors $Na_xIn_xSn_{1-x}S_2$: NMR study of ^{23}Na and complex impedance measurements 9—91314
Colombet, P. *see* Rouxel, J. 9—99156
Colombini, M. A candidate for the permeability pathway of the outer mitochondrial membrane 9—74602
Colombino, A., Pacilio, N., Sena, G. The role of factorial cumulants in reactor neutron noise theory 9—63711
Colombo, A. *see* Chiantore, B. 9—63755
Colombo, A.J.F. *see* Weiss, A.J. 9—52963
Colombo, P. *see* Francis, A.J. 9—85630
Colombo, P. *see* Neilson, R.M., Jr. 9—59207, 9—85631
Colombo, P. *see* Weiss, A.J. 9—85629
Colomes, J., Roland, S. Data obtained from operating heliometric stations SHA-K7 9—58069
Colomes, J. *see* Ployart, R. 9—62101
Colon, R. *see* Bras, R.L. 9—79901
Colonomos, P., Gordon, R.G. Bounded error analysis of experimental distributions of relaxation times 9—88924
Colotto, A. *see* Borgioli, M. 9—79520
Colsmann, G. *see* Schutte, L. 9—60324
Colsmann, P. *see* Lang, R.E. 9—85680
Colson, J.C. *see* Pourantru, Y. 9—83381
Colson, J.-C. *see* Dumas, P. 9—52754
Colson, J.-C. *see* Nowak, J.-F. 9—52424
Colson, R., Nagels, P. Two-dimensional variable-range hopping in planar conjugated macromolecules 9—51608
Colson, S.D. *see* Nieman, G.C. 9—89715
Colson, W.B., Ride, S.K. A laser accelerator 9—93847
Colson, W.B. *see* Ride, S.K. 9—94203
Colter, P.C., Adair, T.W., III, Naugle, D.G., Johnson, W.L. Hall effect in amorphous $La_{0.8}Ga_{0.2}$ 9—60797
Colton, C.K. *see* Vilker, V.L. 9—68836
Colton, D., Kress, R. The construction of solutions to acoustic scattering problems in a spherically stratified medium. II 9—64370
Colton, D., Wimp, J. Asymptotic behaviour of the fundamental solution to the equation of heat conduction in two temperatures 9—94454
Colton, E.P. A 1-12 GeV/c beam transport for transverse or longitudinally polarized protons 9—72056
Colton, E.P. *see* Mazarakis, M.G. 9—72133
Colton, E.P. *see* Moretti, A. 9—76158
Colton, G.J. Improvements to surface properties of materials by the use of vacuum thermal process techniques 9—100283
Colton, R.J., Murday, J.S. Static SIMS of amino acid overlayers 9—83074
Colton, R.J., Murday, J.S., Wyatt, J.R., DeCorpo, J.J. Combined XPS and SIMS study of amino acid overlayers 9—86986
Coluccia, S. *see* Praliaud, H. 9—100339
Coluzzi, R. *see* Rodono', M. 9—62751
Colvett, R.D. *see* Kliauga, P.J. 9—62305
Colvett, R.D. *see* Rohrig, N. 9—53196
Colville, M.J. *see* Schwartz, M. 9—78545
Colvin, J.R. *see* Takai, M. 9—94121
Colwell, B.H. *see* Dennis, N.T.M. 9—67329
Colyer, B. A small finite element program 9—64522
Comanescu, V. Dynamic characteristics of continuous radiogauges with digital measuring system 9—59311
Comaniciu, N. *see* Alexandrescu, R. 9—59667
Comar, C. Societal impacts of energy-related health effects and control technology 9—52865
Comar, D., Maziere, M., Godot, J.M., Berger, G., Soussaline, F., Menini, C., Arfel, G., Naquet, R. Visualisation of ^{11}C-flunitrazepam displacement in the brain of the live baboon 9—83730
Comar, D. *see* Crouzel, C. 9—57775
Comar, D. *see* Maziere, B. 9—83902
Comas, J. *see* Klein, P.B. 9—91489
Comastri, S.A. *see* Simon, J.M. 9—98297
Combarieu, A.de *see* de Combarieu, A.
Combarieu, R. *see* Devienne, F.M. 9—74047
Combarnous, M. *see* Choukroun, S. 9—51029

Combe, P., Rodriguez, R., Sirugue-Collin, M., Sirugue, M. On the quantization of spin systems and Fermi systems 9—58627
Comber, P.G.le *see* le Comber, P.G.
Comber, P.G.Le *see* Le Comber, P.G.
Combes, M., Encrenaz, T. A method for determination of abundance ratios in the outer planets—application to Jupiter 9—84734
Combescot, M. Hydrodynamics of an electron-hole plasma created by a pulse 9—65389
Combescot, R. Intrinsic angular momentum in ^{3}He-A 9—51340
Combescot, R. *see* Bloyet, D. 9—55989
Combet Farnoux, F. *see* Keller, F. 9—89653
Combley, F., Farley, F.J.M., Field, J.H., Picasso, E. g-2 experiments as a test of special relativity 9—58539
Combley, F.H. *see* Bussey, P.J. 9—75778, 9—80829
Combourieu, J. *see* Jourdain, J.L. 9—74342
Combridge, B.L. Associated production of heavy flavour states in pp and $\bar{p}p$ interactions: some QCD estimates 9—54301
Combridge, B.L. Associated production of heavy flavoured states in hadron interactions—some QCD estimates 9—85274
Combs, L.P. *see* Oberg, C.L. 9—52868
Comelli, F. *see* Francesconi, R. 9—81835
Comer, J. *see* Baxter, J.A. 9—72422, 9—72423
Comer, J. *see* Wilden, D.G. 9—59588, 9—72432
Comer, J.J. *see* Davies, D.E. 9—99541
Comerford, L.D. Fiber-optic bypass switch 9—98484
Comes, F.J. *see* Stephan, K.-H. 9—96291
Comes, R. X-ray and neutron scattering from modulated structures-dynamical processes 9—95155
Comfort, J.R. *see* Finlay, R.W. 9—67642
Comfort, J.R. *see* Shepard, J.R. 9—67656
Comfort, R.H., Tandberg-Hanssen, E., Wu, S.T. Non-force-free solar magnetic fields in magneto-hydrostatic equilibrium 9—92733
Comins, J.D. *see* Catlow, C.R.A. 9—60547
Comins, N.R., Crawford, J.L. A study of dislocation multipoles in Cu-5.8 at.% Al by weak-beam electron microscopy 9—73171
Comins, N.R. *see* Crawford, J.L. 9—73172
Comins, N.R. *see* Schilling, J.H. 9—74481
Cominsky, L. *see* McClintock, J.E. 9—58442
Cominsky, L. *see* Van Paradijs, J. 9—84871
Comisarow, M.B. *see* Parisod, G. 9—50105
Commins, E. *see* Chu, S. 9—64364
Commisso, R.J., Bartsch, R.R., Ekdahl, C.A., McKenna, K.F., Siemon, R.E. Energy- and particle-confinement properties of an end-plugged, linear, theta pinch 9—82088
Common, A.K., Stacey, T.W. Convergent sequences of Legendre Pade approximants to the real and imaginary part of the scattering amplitudes 9—85014
Communay, P.H. Ion imaging of a thin gold specimen 9—99035
Comninou, M., Achenbach, J.D. Asymptotic fields at the transition zone of a propagating interface crack 9—64587
Comninou, M., Dundurs, J. A closed crack tip terminating at an interface 9—64595
Comninou, M., Dundurs, J. Interface separation in the transonic range caused by a plane stress pulse 9—68624
Comninou, M., Dundurs, J. Interaction of elastic waves with a unilateral interface 9—94542
Comninou, M., Dundurs, J., Chez, E.L. Total reflection of SH waves in the presence of slip and friction 9—98519
Comninou, M. *see* Dundurs, J. 9—50643
Comninou, M. *see* Salamon, N.J. 9—82468
Comolet, R. Gas bubble motion in a liquid medium 9—98785
Compaan, A., Chandra, S. Coherent anti-Stokes Raman scattering with counterpropagating laser beams 9—72626
Compaan, A. *see* Hesse, J.F. 9—55765
Compagnon, J. A thermometer for 1/100°C measurement 9—63210
Compston, W. *see* Gray, C.M. 9—53326
Compston, W. *see* Heydegger, H.R. 9—53716
Compton, D.A.C. *see* Durig, J.R. 9—89668, 9—89670
Compton, J.L. *see* Higgins, S.B. 9—70677
Compton, R.N. *see* Begun, G.M. 9—72430
Compton, R.N. *see* Stockdale, J.A.D. 9—68299
Compton, R.N. *see* Williamson, A.D. 9—50163
Comsa, G. Reply to comments by D.R. Frankl on 'Coherence length and/or transfer width?' 9—83091
Comsa, G., David, R., Schumacher, B.-J. The angular dependence of flux, mean energy and speed ratio for D_2 molecules desorbing from a Ni(111) surface 9—86993
Comte, G. Optical observations of nearby bright galaxies 9—97062
Comtet, A. *see* Chakrabarti, A. 9—71636
Comuzzi, J. *see* Milder, F.L. 9—59049
Conan, A., Delaunay, D., Bonnet, A., Moustafa, A.G., Spiesser, M. Temperature dependence of the electrical conductivity and thermoelectric power in $MoTe_2$ single crystals 9—91047
Conant, J.A. *see* Bernstein, L.S. 9—92589
Concalves da Silva, C.E.T. *see* Nicola, J.H. 9—61364
Conchie, P.J. A review of British space prospects 9—84644
Concini, C.De *see* De Concini, C.
Conconi, P. *see* Broglia, P. 9—101173
Concus, P., Finn, R. The shape of a pendent liquid drop 9—92936
Concus, P., Proskurowski, W. Numerical solution of a nonlinear hyperbolic equation by the random choice method 9—50773
Conde, M.C.P. *see* Martinez, A.C. 9—74693, 9—79566
Conde, S., Kalla, S.L. A table associated with an integral transform occurring in the theory of diffraction 9—97185
Conde P., G.del *see* del Conde P., G.
Condirston, D.A., Laposa, J.D. Fluorescence quantum yields and lifetimes of styrene at 298 and 77K 9—59500
Condit, W.C. *see* Carlson, G.A. 9—71973
Condit, W.C. *see* Morse, E.C. 9—86606
Condon, J.J. *see* Peterson, B.A. 9—97060
Condos, S.G. *see* McFarland, W.J., Jr. 9—92459
Conduit, A.J., Hartog, A.H., Payne, D.N. Measurement of longitudinal internal stress in cabled fibres 9—64350
Conduit, A.J. *see* Hartog, A.H. 9—55232
Coney, J.E.R., Simmers, D.A. A study of fully-developed, laminar, axial flow and Taylor vortex flow by means of shear stress measurements 9—77126
Coney, J.E.R. *see* Simmers, D.A. 9—59974
Conflant, P., Boivin, J.-C. Crystallographic data of stoichiometric compounds in Bi_2O_3-SrO system 9—99153
Conflant, P. *see* Guillermo, R. 9—65190
Conforto, B. *see* Blietschau, J. 9—93396
Conforto, G. Evidence for prompt neutrinos and interpretation of beam dump experiments 9—63535
Conforto, G. *see* Armenise, N. 9—93397
Cong, H.N., Brenet, J., Faber, P. Preparation and electrochemical behaviour of alpha and beta PbO_2 phases 9—83460
Cong, T.Tran *see* Tran Cong, T.
Cong Hong-Ih *see* Hong-Ih Cong
Cong-hao Deng *see* Deng Cong-hao
Cong-long Song *see* Song Cong-long
Congendo, T., Rudolph, H. Lead depth profiles in binary mixtures 9—79343
Conger, A.D. *see* Sodicoff, M. 9—92300
Congleton, J., Craig, I.H., Denton, B.K., Parkins, R.N. Crack growth in HY80 and HY130 steels by corrosion fatigue 9—79174
Coniglio, A., Daoud, M. Polymer chains and vulcanisation 9—95991
Coniglio, A., Russo, L. Cluster size and percolation in the Ising model 9—65630
Coninck, F.de *see* de Coninck, F.
Conlin, R.T. *see* Zilm, K.W. 9—59491
Conlon, J.G. A boundary value problem for the three dimensional neutron transport equation 9—67809
Conlon, T.W. Thin layer activation. Current applications to wear and corrosion measurements and future potential in studies of surface treatment and sputtering 9—87810
Conlon, T.W. *see* Viggars, D.A. 9—67730
Conn, G. *see* Burridge, R. 9—84148
Conn, G. *see* Rosenau, P. 9—72988
Conn, R.W., Abdel-Khalik, S.I., Moses, G.A., Cooper, G.W., Howard, J.E., Larsen, E.M., Sviatoslavsky, I.N., Wolfer, W.G. The SOLASE laser fusion reactor design and its technological implications 9—71974
Conn, R.W., Abdel-Khalik, S.I., Moses, G.A., Youssef, M. The SOLASE-H laser fusion hybrid 9—85793
Conn, R.W., Arnush, D., Dawson, J., Derst, D.W., Vanek, V. Aspects of octopoles as advanced fuel cycle fusion reactors 9—76144
Conn, R.W. *see* Beranek, F. 9—69162, 9—80969
Connell, C. *see* Ghista, D.N. 9—92265
Connell, P., Johnston, H.S. The thermal dissociation of N_2O_5 in N_2 9—96294
Connelly, J.B. Mode of emplacement of the Papuan Ultramafic Belt 9—84214
Connelly, T.M., Turner, J.C.R. Two-phase diffusion. Diffusion through polymers and polymer blends 9—69288
Conner, R.A. *see* Kirk, M.A. 9—61470
Connerade, J.P. *see* Baig, M.A. 9—81213, 9—85926
Connes, P. Let space help those who help themselves. A reply to Eric Hog, and some more thoughts on parallaxes 9—88568
Connes, P. *see* Traub, W.A. 9—53750
Connolly, J.F. *see* Baruch, J.E.F. 9—59302
Connolly, J.F. *see* Bateman, J.E. 9—49361
Connolly, P.L. *see* Baltay, C. 9—75770
Connolly, T.F., Battle, G.C., Keesee, A.M. Directory of crystal growth and solid state materials production and research 9—65988
Connor, J.C. *see* Shure, K. 9—76083
Connor, J.N.L. Reactive molecular collision calculations 9—61851
Connor, J.N.L., Jakubetz, W., Manz, J., Whitehead, J.C. On the information theoretic synthesis of three dimensional vibrotational reaction probabilities from collinear results 9—74354
Connor, J.N.L., Lagana, A. Quasiclassical smooth sampling study of threshold behaviour for the collinear reaction $X+F_2 \rightarrow XF+F$ (X=Mu, H, D, T) 9—61852
Connor, J.N.L., Lagana, A. Quasiclassical dynamics of light+heavy-heavy atom reactions: the reaction $X+F_2 \rightarrow XF+F$(X=Mu, H, D, T) 9—91942
Connor, J.N.L., Lagana, A., Whitehead, J.C., Jakubetz, W., Manz, J. Uni- and bimodal product energy distributions for the reactions $H+Cl_2$ (v=1) and $D+Cl_2$ (v=1) 9—57207
Connor, J.N.L., Mackay, D.C. Calculation of angular distributions in complex angular momentum theories of elastic scattering 9—76483
Connor, J.N.L., Mackay, D.C. Parametrized S matrix models of elastic scattering in chemically reactive systems 9—79225
Connor, J.N.L., Mackay, D.C., Sukumar, C.V. Quantum and semiclassical calculation of Regge pole positions and residues for complex optical potentials 9—89084
Connors, S. *see* Elliott, L.L. 9—86305
Conrad, D. Direct measurement of low frequencies [heart beat disturbances] 9—96671
Conrad, F.J. *see* Williams, W.D. 9—89451
Conrad, F.L., Culver, J.V., Prabhakara, N.B., Ruckel, R.R., Turits, A.C. Light attenuator 9—64328
Conrad, H., Ertl, G., Kuppers, J., Wang, S.W., Gerard, K., Haberland, H. Penning-ionization electron spectroscopy of chemisorbed CO 9—52060
Conrad, H., Keshavan, M.K., Sargent, G.A. Hertzian fracture of Pyrex glass under quasi-static loading conditions 9—66142
Conrad, H. *see* Herz, H. 9—49224
Conrad, H. *see* Okazaki, K. 9—57067, 9—83279
Conrad, H.J. *see* Wadynski, A. 9—92335
Conrad, J.R., Schunk, R.W. Diffusion and heat flow equations with allowance for large temperature differences between interacting species 9—66857
Conrad, M., Dose, V., Fauster, T., Scheidt, H. Isochromat spectroscopy using SXAPS equipment 9—95877
Conradi, J. *see* Straus, J. 9—64317
Conradi, M.S., Luszczynski, K., Norberg, R.E. Nuclear spin relaxation of H_2 in rare gas liquids 9—56623
Conradi, M.S., Luszczynski, K., Norberg, R.E. Diffusion and nuclear magnetic relaxation of H_2 in rare-gas liquids 9—61249
Conrads, H. *see* Ueno, I. 9—77427
Conroy, J.J. *see* Feichtner, J.D. 9—72716
Console, R. *see* Cagnetti, V. 9—84116
Console, R. *see* Casal, G. 9—84118
Consolloy, J.W. *see* Chreitzberg, A.M. 9—52922
Consolmagno, G. Lorentz scattering of interplanetary dust 9—70996
Consolmagno, G.J., Kokipii, J.R. ^{26}Al and the partial ionization of the solar nebula 9—58282
Consortini, A. *see* Bertolotti, M. 9—100947
Consortini, A. *see* Ciolli, P. 9—50228
Constable, E.C. *see* Anderson, S. 9—91964
Constant, E. *see* N'Guyen, D.D. 9—100695
Constantine, J.G. *see* Deitz, P. 9—84467
Constantine-Paton, M., Law, M.I. Eye-specific termination bands in tecta of three-eyed frogs 9—62251
Constantinescu, A. *see* Abou-Leila, M.A.A. 9—85576
Constantinescu, D.H. The Wigner transition as a bifurcation 9—97297
Constantinescu, D.R., Illston, J.M. The response of reinforced concrete cross-sections to short-term and sustained loads 9—52358
Constantinescu, D.R., Illston, J.M. Computer experiments on slender beam-columns of reinforced concrete 9—70127
Constantinescu, I. *see* Fetcu, L. 9—55326
Constantinescu, M. *see* Baltog, I. 9—56855
Constantinescu, M. *see* Mateiciuc, V. 9—88507
Constantinescu, S. *see* Barb, D. 9—87342
Constantinescu, V.N., Galetuse, S., Smith, R.N. Laminar and turbulent flow in a liquid layer attached to a moving surface 9—94589
Constantinides, A.G. *see* Ahmadi, S. 9—59880
Constantinides, E.R., Black, J.H., Dalgarno, A., Hoffman, J.H. The photochemistry of N^+ ions 9—96847
Constantinides, E.R. *see* Victor, G.A. 9—84559
Constantopoulos, J.P., Ktorides, C.N. Symmetry schemes compatible with non-self-adjoint Lie-admissible forces 9—75696
Conte, F. Phenix, five years after criticality 9—97849
Conte, F., Brosson, G., Pontier, R. Past and present role of fast breeder reactors in France: experience gained with Rapsodie and Phenix 9—97892
Conte, R. *see* Andre, G. 9—61023
Conte, R. *see* Bidaux, R. 9—78494

Contel, J.-M.Le *see* Le Contel, J.-M.
Contellec, M.Le *see* Le Contellec, M.
Conti, C.R. *see* DeLoskey, A.F. 9—53178
Conti, M., Corda, G., de Padova, M. PIN photodetector under transient conditions: simulation and experiments 9—58793
Conti, M. *see* Bellecci, C. 9—70463
Conti, P.S. *see* Massey, P. 9—101171
Conti, R. *see* Chu, S. 9—64364
Contin, A. *see* Basile, M. 9—76275
Continentino, M.A., Rivier, N. Magnetic excitations in amorphous ferromagnets 9—78356
Continentino, M.A., Rivier, N. On the apparent spin wave stiffness of amorphous ferromagnets 9—82776
Continho-Filho, M.D. *see* Ferreira, J.M. 9—65743
Contini, C. *see* Bedini, L. 9—57745
Contogouris, A.P., Gaskel, R., Papadopoulos, S. Opposite-side hadron correlations in QCD 9—54299
Contogouris, A.P., Gaskell, R., Padadopoulos, S. Large-transverse-momentum correlations in quantum chromodynamics 9—63438
Contogouris, A.P., Kripfganz, J. Scale violations and the quark-gluon correction to the Drell-Yan formalism 9—63560
Contogouris, A.P., Papadopoulos, S., Hongoh, M. Scale-violation effects in large-p_T direct photon production 9—71772
Contogouris, A.P. *see* Kripfganz, J. 9—75731
Contois, L.E. *see* Borsenberger, P.M. 9—56243
Contreras, K. *see* Noel, F. 9—58298
Convers, G. *see* Rives, J. 9—92340
Converse, A.O., Kachadorian, J. Enhancement of intrinsic solar heating 9—57467
Conversi, M., Lacava, F. Particle identification by plastic flash-chambers 9—59301
Conversi, M., Petrera, S., Santonico, R., Sebastiani, F. A method allowing long emulsion exposures to high energy neutrinos also in the presence of intense time-uncorrelated background 9—54744
Conversi, M. *see* Angelini, C. 9—67548
Conversi, M. *see* Read, A.L. 9—49510
Conway, D.C. *see* Turner, D.L. 9—100347
Conway, E.J. *see* Walker, G.H. 9—70450
Conway, J.G. *see* Worden, E.F. 9—76370
Conway, R.G. Polarization moments and their application in investigations of component polarizations of double radio sources 9—53923
Conway, R.R., McCoy, R.P., Barth, C.A., Lane, A.L. IUE detection of sulfur dioxide in the atmosphere of Venus 9—101101
Conwell, E.M. Response to 'Comments on the metallic conductivity of tetrathiafulvalenium-tetracyanoquinodimethanide (TTF-TCNQ)' 9—69503
Conwell, E.M., Burnham, R.D. Materials for integrated optics: GaAs 9—64362
Conwell, E.M. *see* Zallen, R. 9—86860
Conwell, R.L. *see* Union, D.C. 9—59280
Conzalez-Diaz, G., Rodriguez-Vidal, M., Sanchez-Quesada, F., Valles-Abarca, J.A. Electrode effects in the AC characteristics of thin sputtered CdTe films 9—82686
Conzalez-Oliver, C.J.R., Johnson, P.S., James, P.F. Influence of water content on the rates of crystal nucleation and growth in lithia-silica and soda-lime-silica glasses 9—55670
Conzett, H.E. Tensor analyzing powers in deuteron-proton elastic scattering and the breakup reaction at 45.4 MeV 9—85447
Conzett, H.E., Hinterberger, F., von Rossen, P., Seiler, F., Stephenson, E.J. Determination of the asymptotic D- to S-state ratio of the deuteron wave function 9—89314
Conzett, H.E. *see* Bacher, A.D. 9—85482
Cook, A.F., Shoemaker, E.M., Smith, B.A. Dynamics of volcanic plumes on Io 9—92701
Cook, A.F., II, Duxbury, T.C., Hunt, G.E. A lower limit on the top of Jupiter's haze layer 9—92714
Cook, A.F., II., Duxbury, T.C., Hunt, G.E. First results on Jovian lightning 9—96952
Cook, A.F., II *see* Johnson, T.V. 9—92702
Cook, A.F., II *see* Smith, B.A. 9—92700
Cook, A.M., Rose, L.E., Barkalow, B.H. Cost effective clinical engineering internships in community hospitals 9—97132
Cook, B.D. *see* Cavanagh, E. 9—84938
Cook, D.J., Crookham, G.D. Fracture toughness measurements of polymer concretes 9—70168
Cook, D.J., Pama, R.P., Singh, R.V. The behaviour of bamboo-reinforced concrete columns subjected to eccentric loads 9—52320
Cook, D.J. *see* O'Reilly, R.J. 9—88171
Cook, D.L. *see* Cohn, D.R. 9—71971
Cook, E.G. *see* Hester, R.E. 9—76157
Cook, G.A. *see* Smith, D.L. 9—84198
Cook, G.R. *see* Goldman, A. 9—100894
Cook, J. Real solar incentives 9—57391
Cook, J. A passive rock bed: design, construction and performance 9—57490
Cook, J. An earth-wrapped solar greenhouse house 9—62150
Cook, J.G. Comments on 'Size and temperature dependences of the resistivity of thin alkali metal wires at liquid nitrogen, hydrogen and helium temperatures' 9—51691
Cook, J.G. The transport properties of rubidium, and electron-electron scattering 9—73490
Cook, J.G. Electron-electron scattering in potassium 9—95382
Cook, J.G., Taylor, R., Laubitz, M.J. Vacancies and the electrical resistivity of potassium 9—82575
Cook, J.M., Zegarski, B.R., Miller, T.A. The fine structure of the $B^2\Sigma^+$ and $a^4\Sigma^+$ states of CN as determined by molecular anticrossing spectroscopy 9—68270
Cook, J.M. *see* Katayama, D.H. 9—54779
Cook, J.W., Nicolas, K.R. Solar C III line intensity ratios observed from Skylab 9—53786
Cook, J.W. *see* Dere, K.P. 9—53780
Cook, J.W. *see* Moe, O.K. 9—66987
Cook, K.D., Taylor, J.W. A supersonic molecular beam mass spectrometric study of hydrogen bonding in ammonia 9—74356
Cook, K.L. *see* Ward, S.H. 9—84260
Cook, L.M. *see* Olson, T. 9—50465
Cook, L.P. *see* Bell, J. 9—53082
Cook, L.W. *see* Feng, M. 9—52130, 9—69872, 9—87005
Cook, R. *see* Eswaran, M.A. 9—89321
Cook, R.D. *see* Bretl, J.L. 9—90195
Cook, R.J. Atomic motion in resonant radiation: An application of Ehrenfest's theorem 9—93957
Cook, R.J., Shore, B.W. Coherent dynamics of N-level atoms and molecules. III. An analytically soluble periodic case 9—94200
Cook, R.J. *see* Birch, J.R. 9—82978
Cook, R.K., Proctor, T.M. A standing-wave tube as an absolutely known source of sound power 9—81674
Cook, R.L. *see* Avirah, T.K. 9—98074
Cook, R.L. *see* Kitchin, R.W. 9—72303
Cook, T.F., Hagrman, D.L., Sepold, L.K. Behavior of four PWR rods subjected to a simulated loss-of-coolant accident in the power burst facility 9—89443
Cooke, B., Petro, L., van Paradijs, J. Scorpius X-1 9—97104
Cooke, C.H. On the sufficiency of a numerical downstream continuation 9—77053
Cooke, D.D. *see* Dusel, P.W. 9—50221
Cooke, D.D. *see* Kerker, M. 9—92009
Cooke, D.J., Solymar, L., Sheppard, C.J.R. A three-dimensional vectorial theory for volume holograms 9—81385
Cooke, D.J. *see* Parry, W.E. 9—81386
Cooke, D.W. *see* Brown, J.A. 9—56685
Cooke, F. Twelve-side polygon of hardened steel 9—81573
Cooke, F. Accurate convex hyperbola 9—98513
Cooke, F.W. *see* Moyle, D.D. 9—57687
Cooke, J.F. Role of electron-electron interactions in the RKKY theory of magnetism 9—73667
Cooke, M.H., Bridgewater, J., Scott, A.M. Interparticle percolation: lateral and axial diffusion coefficients 9—61666
Cooke, M.H., Bridgwater, J. Interparticle percolation: a statistical mechanical interpretation 9—96281
Cooke, M.J. *see* Braithwaite, N.St.J. 9—88456
Cooke, P. *see* Foster, H.R. 9—65780
Cooke, P.A. *see* Horii, Y. 9—57672
Cooke, R.C. *see* Johnson, B.D. 9—100849
Cooke, W.E., Gallagher, T.E. Calculation of autionization rates for high-angular-momentum Rydberg states 9—81163
Cooke, W.E., Gallagher, T.F. Measurement of $^1D_2 \rightarrow {}^1F_3$ microwave transitions in strontium Rydberg states using selective resonance ionization 9—72258
Cooke, W.E. *see* Edelstein, S.A. 9—82002
Cooke, W.E. *see* Gallagher, T.F. 9—54791, 9—58787, 9—59592, 9—86057
Cooks, R.G. *see* Kondrat, R.W. 9—74437
Cooksey, J.D. *see* Hack, S. 9—70683
Cookson, J.A., McMillan, J.W., Pierce, T.B. The nuclear microprobe as an analytical tool 9—87913
Cookson, P.J. Generalized yield lines in reinforced concrete slabs 9—83265
Cool, D.A., Cool, W.S., Brodsky, A., Eadie, G.G. Estimation of long-term biological elimination of insoluble ^{192}Ir from the human lung 9—70642
Cool, T.A. *see* Kin-Kwok Hui 9—66285
Cool, T.A. *see* Nai-Ho Cheung 9—64051
Cool, W.S. *see* Cool, D.A. 9—70642
Cooley, L.A. *see* Yoder, G.R. 9—79071
Coolsaet, B.L.R.A. *see* Griffiths, D.J. 9—92252
Coomans, D., Jonckheer, M., Massart, D.L., Broeckaert, I., Blockx, P. The application of linear discriminant analysis in the diagnosis of thyroid diseases 9—53275
Coombe, R.D., Pillipovich, D., Horne, R.K. Chemical generation of electronically excited $ClF^*(B^3\pi_0+)$ and the $B \rightarrow X$ emission spectrum 9—57216
Coombes, C.A. Energy change in deflecting plates 9—71192
Coon, J.B. *see* Gilchrist, W.A., Jr. 9—59593
Coon, S.A., McNamee, P.C. Particle mixing and charge asymmetric ΔN forces 9—67596
Coon, S.A., McNamee, P.C. Particle mixing and charge asymmetric ΔN forces 9—75891
Coon, S.A. *see* Barrett, B.R. 9—75865
Coon, S.A. *see* Portilho, O. 9—75856
Cooney, J. *see* Cohen, A. 9—89847
Cooney, J. *see* Gill, R. 9—100974
Cooney, P.J. *see* Chamberlain, G.A. 9—99573
Cooney, W.P., III *see* An, K.N. 9—92276
Coope, D.F., Hanly, J.M., Tripathi, S.N., McEllistrem, M.T. E1 excitations in ^{208}Pb induced by fast neutrons 9—54405
Coope, D.F., McEllistrem, M.T. Production of ^{123}I using a low-energy accelerator 9—53243
Coope, D.F. *see* Yates, S.W. 9—52837
Cooper, A.L. *see* Turchi, P.J. 9—60174
Cooper, A.M. *see* Sugahara, R. 9—93454
Cooper, A.R. *see* Abou-el-leil, M. 9—99349
Cooper, A.R. *see* Rawal, B.S. 9—65241
Cooper, A.R. *see* Sane, A.Y. 9—61750
Cooper, A.W. *see* Crittenden, E.C., Jr. 9—66806
Cooper, B.R., Siemann, R. Extraordinary anisotropic magnetic behavior in cerium and actinide intermetallics 9—78324
Cooper, B.R. *see* Siemann, R. 9—73477, 9—78325
Cooper, C.M., Nayar, P.S., Hale, E.B., Gerson, R. Conductive strontium titanate layers produced by boron-ion implantation 9—82693
Cooper, D. *see* Olinger, M. 9—57703
Cooper, D.M., Jones, J.J. An experimental determination of the cross section of the Swings band system of C_3 9—98116
Cooper, F. *see* Bender, C.M. 9—58880, 9—89063
Cooper, G., Langer, G., Rosinski, J. Submicron aerosol losses in aluminized Mylar bags 9—58114
Cooper, G.A. *see* Finnie, I. 9—84236
Cooper, G.W. A hydrogen-fluoride laser conceptual design for laser fusion 9—86192
Cooper, G.W. *see* Conn, R.W. 9—71974
Cooper, I.L., Pounder, C.N.M. A simple procedure for the improvement of CI convergence in molecular systems 9—93928
Cooper, J. Scattering of plane waves by a moving obstacle 9—71254
Cooper, J., Feldman, J. Operant conditioning and assessment of stereopsis in young children 9—83783
Cooper, J., Feldman, J. Random-dot-stereogram performance by strabismic, amblyopic, and ocular-pathology patients in an operant-discrimination task 9—83785
Cooper, J.B. *see* Newbower, R.S. 9—57791
Cooper, J.C. Have faster-than-light particles already been detected? 9—67158
Cooper, J.R. Comments on the metallic conductivity of tetrathiafulvalenium-tetracyanoquinodimethanide (TTF-TCNQ) 9—69502
Cooper, J.R. *see* Babic, E. 9—60785
Cooper, L.N., Liberman, F., Oja, E. A theory for the acquisition and loss of neuron specificity in visual cortex 9—83772
Cooper, M.D. Pion single charge exchange 9—85508
Cooper, M.D., Jeppesen, R.H., Johnson, M.B. Coulomb effects in the Klein-Gordon equation for pions 9—93668
Cooper, M.D. *see* Carrington, R.L. 9—76257
Cooper, M.D. *see* Jeppesen, R.H. 9—85533
Cooper, M.J., Quirk, W.J., Clark, D.W. Specification, design and implementation of computer-based reactor safety systems 9—63783
Cooper, M.J. *see* Holt, R.S. 9—91520
Cooper, M.S. Evidence for a condensed phonon state in malignant cells 9—62214
Cooper, P.D. *see* Gessinger, G.H. 9—74195
Cooper, P.G. *see* Rayner, J.G. 9—82012
Cooper, P.I. *see* Symons, J.G. 9—62064
Cooper, P.S., Alguard, M.J., Ehrlich, R.D., Hughes, V.W., Kobayakawa, H., Ladish, J.S., Lubell, M.S., Sasao, N., Schuler, K.P., Souder, P.A., Coward, D.H., Miller, R.H., Prescott, C.Y., Sherden, D.J., Sinclair, C.K., Baum, G., Raith, W., Kondo, K. Experimental test of special relativity from a high-γ electron g-2 measurement 9—58540
Cooper, P.S. *see* Benvenuti, A. 9—49508, 9—58951
Cooper, R. *see* Jonah, C.D. 9—79263
Cooper, R.D., Hoare, M.R. Distributive processes and combinatorial dynamics 9—88875
Cooper, R.E. The toughness of fibre composites with inhomogeneous fibre packing 9—61699
Cooper, R.K. *see* Neil, V.K. 9—54737, 9—72031
Cooper, S. *see* Abrams, G.S. 9—89149, 9—89174
Cooper, T.W., Debauche, J.W., Jr., Hurley, W.J. Heat recovery system is viable energy producer at Green Bay [sewerage wastewater facility] 9—83610
Cooper, W.D., Speirs, R.S., Wilson, J.C., Zichy, E.L. Electrophoresis of poly(vinyl chloride) dispersed in vinyl chloride monomer 9—79250
Cooper, W.D. *see* Guy, A.G. 9—73332
Coopersmith, M. An example of the effect of irreversible microscopic dynamics on the macroscopic behavior of a large system 9—49153
Cooperstock, F.I., Hobill, D.W. Detection of relative motion in a gravitational field 9—75422
Coops, G.M. *see* de Waele, A.T.A.M. 9—58703

Coosemans, L., De Schryver, F.C., Van Dormael, A. Influence of solvent properties on fluorescence probes. 7-Amino-and 7-N-dimethylamino-4-methylcoumarin 9—85997
Cope, A.M. *see* Irwin, J.S. 9—83659
Cope, F.W. Discontinuous magnetic field effects (Barkhausen noise) in nucleic acids as evidence for room temperature organic superconduction 9—62195
Cope, N. *see* Farber, E.A. 9—62123
Cope Moorhead, L. *see* Picologlou, B.F. 9—92266
Copeland, G.L., Heestand, R.L., Mateer, R.S. Volume reduction of low-level contaminated metal waste by melting 9—89412
Copeland, J.E. *see* Oakes, M.E. 9—60120
Copeland, R.L. *see* Adamski, J.L. 9—76168
Copenhagen, D.R. *see* Leeper, H.F. 9—79533
Copin-Montegut, C., Copin-Montegut, G. The chemistry of particulate matter from the south Indian and Antarctic oceans 9—57973
Copin-Montegut, G. *see* Copin-Montegut, C. 9—57973
Coplan, B.V., Baron, J.S. Treatment of liquid radwastes 9—54571
Copley, J. *see* Carlson, T.A. 9—89809
Copley, J.R.D. *see* Lovesey, S.W. 9—50972
Copley, J.R.D. *see* Stirling, W.G. 9—51336
Copley, L.A., Isgur, N., Karl, G. Charmed baryons in a quark model with hyperfine interactions 9—97601
Copley, S. *see* Bass, M. 9—70199
Copley, S.M., Beck, D., Esquivel, O., Bass, M. Laser melt quenching and alloying 9—69919
Copley, S.M. *see* Narasimhan, S.L. 9—78953
Coppa, A.P., Selden, G.F., Mehan, R.L. Mach one impact test apparatus utilizing an 18.4 mm-bore gas gun with a novel decelerating device 9—75673
Coppendale, J. *see* Adams, R.D. 9—74209
Coppens, P. Combining X-ray and neutron diffraction: The study of charge density distributions in solids 9—60227
Coppens, P., Reynaert, J.C., Drowart, J. Mass spectrometric study of the photoionization of carbon disulphide in the wavelength interval 125-60 nm 9—94044
Coppens, P. *see* Stevens, E.D. 9—68971
Copper, A.L., Book, D.L. Formation of a viscous boundary layer on the free surface of an imploding rotating liquid cylinder 9—81894
Coppi, B., De Menna, L., Esposito, F., Laudiero, F. Minimum size ignitor experiments 9—98936
Coppi, B., Ferreira, A., Mark, J.W.-K., Ramos, J.J. Ideal-MHD stability of finite-beta plasmas 9—64845
Coppi, B., Ferreira, A., Mark, J.W.-K., Ramos, J.J. A 'second' stability region of finite-β plasmas 9—82084
Coppi, B., Mark, J.W.-K., Sugiyama, L. Reconnecting modes in collisionless plasmas 9—50852
Coppi, B., Mark, J.W.-K., Sugiyama, L. Magnetic reconnection in collisionless plasma 9—82051
Coppi, B., Mazzucato, E. Transport of electron thermal energy in high temperature plasmas 9—68906
Coppi, B., Pegoraro, F. Magnetic equation for a rotating neutron star 9—75241
Coppi, B., Spight, C. Ion-mixing mode and model for density rise in confined plasma 9—98862
Coppi, B., Taroni, A. Multistage heating cycles in an ignitor experiment 9—98937
Coppi, B. *see* Antonsen, T. 9—55543
Coppi, B. *see* Ara, G. 9—60178
Coppi, B. *see* Winsor, N.K. 9—98965
Coppi, B., Stringer, T., Pozzoli, R., Sindoni, E., Carnihan, J.P., Leotta, G.G. *(editor)* Theory of Magnetically Confined Plasmas 9—98963
Coppola, R. Isolating low frequency activity in EEG spectrum analysis 9—96672
Coppolino, S. *see* Barbaro, S. 9—74947
Coqblin, B. *see* Bastide, J.-P. 9—95177, 9—95383
Coquand, B. *see* Gabis, V. 9—96108
Coquant, C. *see* Niay, P. 9—54832
Coquart, B. *see* Prudhomme, J.C. 9—50084
Coquet, E. *see* Crettez, J.-M. 9—69220
Coquette, A. Method for the absolute measurement of the total pair production cross section near threshold, using a variable energy source 9—85866
Coquillet, B. *see* Marze, A. 9—91615
Coquillet, B. *see* Vincent, L. 9—66056
Coradi, L. Development and limitations of medical techniques with reference to picture-display systems 9—100705
Corapcioglu, Y., Uz, T. Constitutive equations for plastic deformation of porous materials 9—61667
Corash, L. *see* Piomelli, S. 9—92190
Corazza, R. *see* Inchingolo, P. 9—79699
Corbel, G. *see* Velu, E. 9—61099
Corbelli, G., Morandi, G. Validity and limitations of scaling laws in the theory of spin glasses 9—56561
Corbelli, G. *see* Caminati, W. 9—59442
Corben, P.M. *see* Murray, C.A. 9—66929
Corbett, G.E. *see* Wentworth, W.E. 9—100537
Corbett, J, W. *see* Cheng, L.J. 9—83052
Corbett, J.M. *see* Yacobi, B.G. 9—82999, 9—99904
Corbett, J.W. *see* Kaplan, D.R. 9—99183
Corbin, L.T. Analytical methods and laboratories for safeguards and accountability: present and future 9—81047
Corbin, S.D. *see* Fryer, T.B. 9—74736
Corbo, G. *see* Cabibbo, N. 9—75765
Corciovei, A., Apostol, M. Intermediate density region of a two-dimensional electron system 9—60110
Corciovei, A., Dumitru, D.R. Electrical conductivity tensor of an irradiated metal 9—87079
Corcoran, M.D. *see* Dris, M. 9—49491
Corcoran, S.F. *see* Alexander, H. 9—92434
Corcoran, S.F. *see* Parsons, J.R. 9—79691
Corcoran, W.H. *see* Yoganathan, A.P. 9—57814, 9—74706, 9—74707, 9—83829
Corcoran, W.L. Performance of solar heating and cooling systems used in the national solar heating and cooling demonstration program 9—62128
Corda, G. *see* Conti, M. 9—58793
Cordain, L., Loper, R.K., Brady, A.H., Belaustegui, R.N. Automation of a stress exercise facility using an inexpensive microcomputer system 9—70682
Cordani, U.G. *see* Torquato, J.R. 9—70796
Cordaro, J. *see* Tomozawa, M. 9—82922
Corday, E. *see* Hestenes, J.D. 9—70599
Cordebois, J.-P. Behavior of the multiperforated media 9—76967
Cordebois, J.-P. *see* Lemaitre, J. 9—90182
Cordeiro-Stone, M., Schumacher, R.I., Meneghini, R. Structure of the replication fork in ultraviolet light-irradiated human cells 9—88117
Cordell, K.R., Thornton, S.T., Dennis, L.C., Lookadoo, P.G., Schwiezer, T.C., Ford, J.L.C., Jr., Gomez Del Campo, J., Shapira, D. The $^{12}C(^{13}C,\alpha)^{21}Ne$ reaction: high-spin states, resonances and coherence widths 9—75815
Cordell, K.R. *see* Schweizer, T.C. 9—54426
Cordella, L. *see* Taddei-Ferretti, C. 9—83738
Corden, M.J., Cox, G.F., Dartnell, A., Kelsey, D.P., Kenyon, I.R., Stubbs, J.A., Watkins, P.M. Measurements of the reaction $K^-n \to \pi^-\Lambda$ in the c.m.s. energy range 1750 MeV to 2000 MeV 9—75796
Corden, M.J., Cox, G.F., Kelsey, D.P., Lawrence, C.A., Watkins, P.M., Hamon, O., Le Guyader, J., Levy, J.M., London, G.W. Differential and channel cross sections for the reactions $K_L^0p \to K_S^0p$ and $K_L^0p \to \Lambda^0\pi^+$ in the c.m. energy range 1605 to 1910 MeV 9—75768
Corderman, R.R., Engelking, P.C., Lineberger, W.C. Laser photoelectron spectrometry of Co^- and Ni^- 9—68212
Cordes, J.M. Pulsar microstructure: periodicities, polarization and probes of pulsar magnetospheres 9—75232
Cordes, J.M., Dickey, J.M. Interstellar scintillation and compact sources in supernova remnants 9—101213
Cordes, J.M. *see* Fowler, L.A. 9—75234
Cordes, J.M. *see* Spangler, S.R. 9—96922
Cordes, L. *see* Taft, E. 9—69800
Cordey, J.G. Hot ion toroidal reactors and exotic fuel cycles 9—97905
Cordey, J.G. The theory of neutral injection heating of toroidal plasmas 9—98938
Cordey, J.G., Jones, E.M., Start, D.F.H. The shear stabilization of collisional drift waves 9—86577
Cordier, A. *see* Courau, A. 9—67529
Cordier, H. *see* Vullierme, J.J. 9—94469
Cordier, S., Biraud, Y., Champailler, A. A study of the application of a deconvolution method to scintigraphy 9—53236
Cordoni, J.-P., Reboul, H. On the use of generalised Hubble moduli in studies of homogeneity and isotropy of the expansion of the Universe 9—53944
Cordova, F. *see* Ayres, T.R. 9—101140
Cordova, F.A., Garmire, G.P. Soft X-ray emission from the vicinity of the dwarf nova AY Lyrae 9—75227
Cordova, F.A., Riegler, G.R. The HEAO-A2 soft X-ray survey of cataclysmic variable stars: EX Hydrae during optical quiescence 9—71054
Cordova, F.A. *see* Tuohy, I.R. 9—62892
Corelli, J.C. *see* Matheny, R.A. 9—86822, 9—93829
Corelli, J.C. *see* Mitchell, M.T. 9—73980
Coremans-Bertrand, G. *see* Read, A.L. 9—49510
Corey, D.P., Hudspeth, A.J. Response latency of vertebrate hair cells 9—83794
Corey, H.S. Surface finish from reflected laser light 9—85126
Corey, J.C. *see* Kirkham, M.B. 9—57778
Corey, J.C. *see* Pinder, J.E., III 9—96668
Corfu, R., Egger, J.-P., Goetz, F., Gretillat, P., Lunke, C., Piffaretti, J., Schwarz, E., Perrin, C., Mischke, R.E. Elastic scattering of 180 MeV π^+ and π^- on nuclei over a wide mass range 9—85538
Corfu, R. *see* Ellis, R.J. 9—85365
Corfu, R. *see* Lunke, C. 9—85537
Corfu, R. *see* Piffaretti, J. 9—85511
Corfu, R. *see* Preedom, B.M. 9—97677
Corinaldesi, E. Collective co-ordinate of a quantized field 9—67192
Corio, W., Querzola, B., Zanzottera, E. The remote measurement of atmospheric pollution using laser techniques 9—70889
Corish, J. *see* Catlow, C.R.A. 9—99179
Cork, B. *see* Crabb, D.G. 9—72055
Corke, T.C., Nagib, H.M. Large signal-to-noise technique for unsteady pressure measurements 9—94743
Corkum, P.B., Alcock, A.J., Leopold, K.E. Electron-beam-controlled transmission of 10-μm radiation in semiconductors 9—81466
Corkum, P.B., Baldis, H.A. Extra-cavity feedback into unstable resonators 9—72601
Corkum, P.B. *see* Alcock, A.J. 9—98417
Corkum, P.B. *see* Apollonov, V.V. 9—98382
Corkum, R., Willis, C., Back, M.H., Back, R.A. Decomposition of formic acid vapor by infrared laser radiation 9—52712
Corl, P.D., Grant, P.M., Kino, G.S. A digital synthetic focus acoustic imaging system for NDE 9—52611
Corless, J.M., Kaplan, M.W. Structural interpretation of the birefringence gradient in retinal rod outer segments 9—83771
Corley, T.L. *see* Wendt, J.O.L. 9—86525
Corliss, C., Sugar, J. Energy levels of titanium, Ti I through Ti XXII 9—59385
Corliss, L.M. *see* Thompson, P. 9—51085
Cormack, D.E. *see* Watson, A.P. 9—86528
Cormell, L. *see* Abshire, G. 9—81124
Cormell, L. *see* Dris, M. 9—49491
Cormier, J. *see* Haight, R.C. 9—93859
Cormier, M. *see* Beaulieu, R. 9—98314
Cormier, T.M. *see* Clover, M.R. 9—80910
Cornacchia, M. *see* Allen, M.A. 9—72144
Cornacchia, M. *see* Claus, J. 9—76189
Cornacchia, M. *see* Close, E. 9—72098
Cornbleet, S. Ray tracing in a general nonhomogeneous cylindrical medium 9—94335
Corne, R.A. *see* Salomon, J.A. 9—57806
Cornea, I., Spanoche, E. Contributions to the seismogeological study of the northeastern part of the Pannonian Depression 9—57877
Cornea, I. *see* Fuchs, K. 9—84172
Cornec, J.P. *see* Fleury, A. 9—58184
Cornelis, E. *see* Mewissen, L. 9—54436
Cornelison, S.G. *see* Gerber, J.A. 9—73693
Cornelisse, J.W., Schniewind, J.F. Orbit design for a geomagnetic-tail mission 9—92647
Cornelius, D.W., Essex, E.A. Observations of mid-latitude sporadic E using the HF Doppler technique 9—66867
Cornelius, D.W., Essex, E.A. HF Doppler observations associated with spread-F 9—70918
Cornell, B.A., Pope, J.M. A pulsed NMR measurement of the off-resonance nuclear spin-lattice relaxation time 9—78554
Cornell, D.G. Circular dichroism of polypeptide monolayers 9—74598
Cornell, J.C., Merry, C.M. Proposed transfer beamline for the NAC 9—72061
Cornet, F. *see* Bramon, A. 9—63481
Cornet, I. *see* Choi, U.S. 9—81972
Corney, A., Gardner, K. Optical frequency down conversion in caesium vapour 9—50350
Corney, A.C. A universal four-pair impedance bridge 9—88978
Corngold, N. The kinetic equation for a weakly-coupled test-particle 9—54039
Corngold, N. Progress in kinetic theory: generalizations of Boltzmann's equation 9—98851
Cornille, H. Inversion-like integral equations 9—49095
Cornille, H. Multidimensional inversion formalism as a compatibility condition between different linear differential systems 9—84961
Cornille, H. Solutions of the nonlinear 3-wave equations in three spatial dimensions 9—97212
Cornille, H. *see* Ablowitz, M.J. 9—84964
Cornilleau-Wehrlin, N., Gendrin, R. VLF transmitter-induced quiet bands: a quantitative interpretation 9—66878
Cornilleau-Wehrlin, N. *see* Loisier, G. 9—70927
Cornog, D.G. *see* Jonath, A.D. 9—78884
Cornut, B. *see* Coey, J.M.D. 9—78400
Cornut, B. *see* Fisk, Z. 9—73738
Cornwall, J.M. Phenomenological bridge between high- and low-energy behavior in QCD 9—63439
Cornwell, D.F. *see* Hirschberg, J.G. 9—93223
Cornwell, J.F. Direct determination of the Langlands decompositions for the parabolic subalgebras of noncompact semisimple real Lie algebras 9—58526
Coron, N. *see* Querci, M. 9—88670
Coron, S. Gravity changes with time around the volcano 'La Soufriere' (Guadeloupe) 9—92468
Coronado, R., Miller, C. Voltage-dependent caesium blockade of a cation channel from fragmented sarcoplasmic reticulum 9—96524
Corones, J. *see* Sum, A. 9—54266
Corongiu, G. *see* Clementi, E. 9—70516
Corotis, R.B. *see* Sigl, A.B. 9—100916
Corr, P.B. *see* Witkowski, F.X. 9—70729

Corradi, A.R., Mello Ceresa, E. Influence of reduction temperature on coercivities, coercivity factors and rheological properties of γ-Fe_2O_3 and silica coated γ-Fe_2O_3 9—69698
Corradi, M. *see* Collepardi, M. 9—61856
Corradini, C., Tonna, G. Some computations concerning the actual light scattering coefficient as measured in haze and fog 9—80013
Corradini, M., Rohsenow, W.M., Todreas, N.E. Effects of sodium entrainment and heat transfer with UO_2 vapor during an HCDA 9—93775
Corradini, M., Todreas, N.E. Prediction of minimum UO_2 particle size based on thermal stress initiated fracture model 9—67886
Corrado, G. *see* Gasparini, P. 9—53330
Corre, A. *see* Beer, A. 9—49920
Corre, O. *see* Bougault, H. 9—88334
Corre, O. *see* Fonteneau, G. 9—99918
Correa, P.M., Caraca, J.M.G. Is the commonly accepted correction to the nuclear stopping powers physically meaningful? 9—59320
Corredor, A. *see* Tsong, I.S.T. 9—65930
Correia, J. *see* Brownell, G. 9—66516
Correia, R.J., Kestin, J., Khalifa, H.E. Measurement and calculation of the viscosity of mixed aqueous solutions of NaCl and KCl in the temperature range 25-150°C and the pressure range 0-30 MPa 9—82370
Correll, D.L. *see* Turner, W.C. 9—86589
Correze, J.L. *see* Meric, P. 9—83912
Corrigan, D.A., Eachus, R.S., Graves, R.E., Olm, M.T. Ruthenium (III)-doped silver bromide and silver chloride: an EPR study 9—91288
Corrigan, D.C., Last, G.A. Irradiation test program for FFTF 9—67928
Corrigan, E. Static non-Abelian forces and the permutation group 9—49382
Corrigan, E., Goddard, P., Templeton, S. Instanton Green functions and tensor products 9—54252
Corriveau, F. *see* Hasinoff, M.D. 9—76034
Corrons, A. Determination of the spectral responsivity of photodetectors by means of a spectral irradiance standard lamp and interference filters 9—71528
Corrons, A., Pons, A. Solar irradiance measurements by means of optical fibers and silicon detectors 9—100960
Corrons, A., Zalewski, E.F. Detector spectral response from 350 to 1200 nm using a monochromator based spectral comparator 9—67374
Corruccini, L.R. *see* Martin, R. 9—56230
Corsan, J.M., Mitchem, N.I. The specific heat of fifteen stainless steels in the temperature range 4K-30K 9—61115
Corsaro, R.D., Jarzynski, J. Compact parametric hydrophone using nonlinear interaction within a cylindrical rubber waveguide 9—98535
Corsepius, H.W. Practical ultrasonic testing. XVI 9—81677
Corsepius, H.-W. Ultrasonic practical test techniques. XVII 9—80572
Corset, J. *see* Omura, Y. 9—50016
Corsten, C.J.A. *see* Backer, W.H. 9—72109
Corsten, C.J.A. *see* Schulte, W.M. 9—54715
Corte, M.Della *see* Della Corte, M.
Cortes, A., Zuker, A.P. Self-consistency and many-body monopole forces in shell model calculations 9—67685
Cortes, J.G. Molecular theory and the shape of the adsorption isotherm 9—90867
Cortes, R. *see* Bererhi, A. 9—51447, 9—51451
Cortet, J.-C. *see* Arnal, D. 9—58566
Corti, C.W. *see* Gessinger, G.H. 9—74195
Corticelli, P. *see* Amendola, A. 9—97795
Cortois, J. *see* Jauffret, C. 9—59524, 9—59569
Corvaja, C. *see* Colligiani, A. 9—78524
Corvisiero, P. *see* Capitani, G.P. 9—72034
Corwin, R.F. *see* Morrison, H.F. 9—57860
Corwin, T.R. The Broca-Sulzer effect in a Ganzfeld 9—53151
Cory, J.S. *see* McNichols, J.L. 9—92060
Cory, W.K. *see* Hernandez, J. 9—51137
Cosandey, F., Komem, Y., Bauer, C.L. The effect of the electron bombardment of NaCl substrates on the epitaxial growth of gold and silver films 9—90916
Cosby, P.C. *see* Lee, L.C. 9—64060
Cosden, T.H. *see* Dowling, J.A. 9—53521
Cosemans, G. *see* Kretzschmar, J.G. 9—83665
Cosentino, P., Cimino, A., Riggio, A.M. Time variations of the resistivity in a layered structure with unconfined aquifer 9—79734
Cosgrove, D. *see* Brown, B.C. 9—72047
Cosgrove, D. *see* Hojvat, C. 9—67971
Cosgrove, G.J. *see* Strozier, A., Jr. 9—61903
Cosier, R.S. *see* Bye, K.L. 9—50943
Cosimi, M. *see* Bouget, Y.H. 9—59124
Cosimini, G.J. *see* Lo, D.S. 9—78484
Cosma, V. *see* Haba, P. 9—67280
Cosme, G., Dudelzak, B., Grelaud, B., Jean-Marie, B., Jullian, S., Lalanne, D., Laplanche, F., Lepeltier, V., Parrour, G., Paulot, C., Protopopescu, S., Riskalla, R., Szklarz, R., Szklarz, G. Hadronic cross sections study in e^+e^- collisions from 1.350 GeV to 2.125 GeV 9—58968
Cosmelli, C. *see* Amaldi, E. 9—67217
Cosmi, R. *see* Borghese, C. 9—65741
Cosmovici, C.B., Strafella, F., Andrillat, Y., Swings, J.P. SS 433 9—84803
Cossairt, J.D., May, D.P. The $^{13}C(d,t)^{12}C$ and $^{13}C(d,^3He)^{12}B$ reactions: J-transfer determination and isospin mixing in ^{12}C 9—49579
Cossairt, J.D. *see* Becchetti, F.D. 9—67694
Cossart, D. *see* Cossart-Magos, C. 9—50034, 9—89680, 9—89681
Cossart-Magos, C., Cossart, D., Leach, S. Emission spectra of seven fluorobenzene cations dynamical Jahn-Teller effect in sym-$C_6F_3H_3^+$ and $C_6F_6^+$ 9—50034
Cossart-Magos, C., Cossart, D., Leach, S. Jahn-Teller effects in substituted benzene cations. II. Gas phase emission spectrum of 1,3,5-$C_6F_3D_3^+$ and comparison with 1,3,5-$C_6F_3H_3^+$ 9—89680
Cossart-Magos, C., Cossart, D., Leach, S. Jahn-Teller effects in substituted benzene cations. III. Gas phase emission spectrum of sym-$C_6Cl_3H_3^+$ 9—89681
Cosse, P., D'Haeyer, R., Coutsouradis, D., Habraken, L. The deep drawing behaviour of zinc and zinc alloys 9—52325
Cosse, P. *see* Wegria, J. 9—79004
Cosslett, V.E. Contrast and radiation damages in biological specimens: an introduction 9—66592
Cosslett, V.E. Recent progress in high voltage electron microscopy 9—67442
Cosslett, V.E., Camps, R.A., Saxton, W.O., Smith, D.J., Nixon, W.C., Ahmed, H., Catto, C.J.D., Cleaver, J.R.A., Smith, K.C.A., Timbs, A.E., Turner, P.W., Ross, P.M. Atomic resolution with a 600-kV electron microscope 9—97475
Cost, T.L., Jones, H.W. Dynamic response of blast loaded prestressed flat plates 9—50637
Costa, B., Esposto, F., D'Orio, C., Morra, P. Splice loss evaluation by means of the backscattering technique 9—98478
Costa, B., Esposto, F., Sordo, B. Wavelength dependence of differential group delay in graded-index optical fibers: application to fiber-links characterization 9—50440
Costa, G. *see* Armstrong, T.A. 9—85344
Costa, G. *see* Evangelista, C. 9—75788, 9—80843
Costa, G.S.Da *see* Da Costa, G.S.
Costa, J.E. Holocene stratigraphy in flood frequency analysis 9—53390
Costa, J.L. *see* Hui, S.W. 9—84041
Costa, L.F., Janusonis, G.A., Merrigan, J.A. Comparison of luminescence properties of hydrogen-sensitized and other reduction-sensitized films. II 9—61886
Costa, L.Nicolaci Da *see* Nicolaci Da Costa, L.
Costa, M.D., Zuliani, P.A., Deckers, J.M. Chemical reactions in glow discharges. IV. Production and removal of oxygen atoms in the DC glow discharge 9—77432
Costa, M.D. *see* Smith, J.N. 9—90477
Costa, M.H.M. *see* Brosson, P. 9—98395
Costa, P. *see* Abbe, D. 9—60521, 9—60522
Costa, S. *see* Bos, K. 9—85531
Costa, T. *see* Candy, J.M. 9—79486
Costa de Beauregard, O. Proposed Einstein-correlation experiment with a timelike separation of detections 9—58574
Costa de Beauregard, O. Time symmetry and the Einstein paradox. II 9—71287
Costa Lima, M.T. *see* Senemaud, C. 9—87525
Costa Viana, C.S.Da *see* Da Costa Viana, C.S.
Costabile, G., Parmentier, R.D., Savo, B. Fluxon-breather-plasma oscillation decay in long Josephson junctions 9—56428
Costagliola, M., Greco, R., Martuscelli, E., Ragosta, G. Mechanical and swelling properties of polystyrene-polyolefin blends 9—57053
Costello, G.A., Phillips, J.W. Static response of stranded wire helical springs 9—50581
Costen, R.C. Equations for the propagation of finite local disturbances in vector fields of physics and mechanics 9—92961
Costero, R. *see* Firmani, C. 9—53812
Costes, J.-J. Application of the lifting line concept to helicopter blade computation 9—77163
Costley, A.E. *see* Bartlett, D.V. 9—98991
Costogue, E.N., Rayl, G. Ultralow-mass solar-array designs for Halley's comet rendezvous mission 9—53702
Cot, L. *see* Al Oraibi, Z. 9—51060
Cotanch, S.R. *see* Byrd, R.C. 9—80914, 9—85449
Cote, C. *see* Park, G.C. 9—84013
Cote, P.J. *see* Meisel, L.V. 9—82702
Coteus, P., Diesburg, M., Fine, R., Lee, W., Sokolsky, P., Brown, R., Fuess, S., Nienaber, P., O'Halloran, T., Lee, Y.Y. Search for new particles at the alternating-gradient—synchrotron beam dump 9—63468
Cotrait, M., Marsau, P., Destrade, C., Malthete, J. Crystalline arrangement of some disc like compounds 9—99175
Cotsaftis, M. *see* Klein, H.H. 9—55537
Cott, A., Pavloski, R.P., Black, A.H. Reducing epileptic seizures through operant conditioning of central nervous system activity: procedural variables 9—83881
Cottam, M.G. On the theory of the magnetic Kapitza conductance between liquid He^3 and an ordered ferromagnet 9—51415
Cottam, M.G. A magnetostatic theory of the response functions for a finite-thickness ferromagnetic slab and the application to Brillouin scattering 9—61083
Cottam, M.G. The effect of surface spin waves on the magnetic Kapitza conductance between liquid He^3 and an ordered ferromagnet 9—99406
Cotter, D. Conversion from 3371 to 1124 Å by nonresonant optical frequency tripling in compressed krypton gas 9—64279
Cotter, D., Yuratich, M.A. Stimulated multipole Raman scattering between opposite-parity states of atomic potassium 9—76753
Cotterill, R.M.J. Dislocationlike structures in a simulated liquid 9—64972
Cotterill, R.M.J. Cooperative atomic motions in a simulated two-dimensional liquid 9—90513
Cottey, A.A. Conduction electron surface scattering phase shift in lead 9—51648
Cottey, A.A. Theory of electron interference effects in thin films with an arbitary lattice potential 9—90934
Cottingame, W. *see* Boyer, K.G. 9—85539
Cottingame, W. *see* Davis, J. 9—93662
Cottingame, W.B., Braithwaite, W.J., Morris, C.L. Measuring isospin mixing in nuclei using $\pi^{\pm}$ inelastic scattering 9—85364
Cottingame, W.B., Moore, I.B., Braithwaite, W.J., Greene, S.J., Harvey, C.J., Holtkamp, D.B., Joseph, R.J., Fred Moore, C., Ward, H.J., King, N.S., Morris, C.L., Piffaretti, J., Boudrie, R.L., Kraushaar, J.J., Ristinen, R.J., Smith, G.R. Enhancement of ^{12}C inelastic scattering near the (3,3) resonance 9—85535
Cottingame, W.B. *see* Blanpied, G.S. 9—85518
Cottingame, W.B. *see* Boudrie, R.L. 9—85540
Cottingame, W.B. *see* Morris, C.L. 9—93505
Cottingham, W.N., Dunbar, I.H. Tensor meson production in photon-photon collisions 9—93414
Cottle, A.C. *see* Bloor, D. 9—73922
Cotton, J.P. *see* Boue, F. 9—50956
Cotton, J.P. *see* Nierlich, M. 9—77484
Cotton, W.D. A method of mapping compact structure in radio sources using VLBI observations 9—96921
Cotton, W.D., Counselman, C.C., III, Geller, R.B., Shapiro, I.I., Wittels, J.J., Hinteregger, H.F., Knight, C.A., Rogers, A.E.E., Whitney, A.R., Clark, T.A. 3C 279: the case for 'superluminal' expansion 9—53922
Cottrell, G.A. A new technique in contact electrification 9—80585
Cottrell, G.A., Lowell, J., Rose-Innes, A.C. Charge transfer in metal-polymer contacts and the validity of 'contact charge spectroscopy' 9—56305
Cottrell, L.A., Logg, C.A., Browne, M.J. A feedback system for steering and correcting the energy of the SLAC beam in the beam switchyard 9—93852
Cottrell, R.L.A. *see* Prescott, C.Y. 9—75776
Cotts, R.M. Nuclear magnetic resonance on metal-hydrogen systems 9—82887
Cottu, J.P. *see* Chomel, P. 9—52226
Coty, U., Dubey, M. The high potential of the wind as an economic energy source for electric power generation 9—61941
Couch, R.H. *see* Harrington, R.F. 9—80062
Couch, W.E., Torrence, R.J. An approximation scheme for scalar waves in a Schwarzschild geometry 9—54025
Couchman, B. *see* Abrams, G.S. 9—89174
Couchman, J.C., Yee, B.G.W., Chang, F.H. Adhesive bond strength classifier 9—91906
Couchman, P.R., Karasz, F.E. Some domain-size effects in polymer transitions 9—69232
Couder, Y. *see* Bastard, G. 9—91473
Couder, Y. *see* Pastor, K. 9—82984
Couderc, J.J. *see* Levade, C. 9—99204
Coudray, C. A study of an inverse problem for finite range potentials 9—49097
Coudray, M. *see* Bregeon, M. 9—97843
Coufal, H. *see* Rober, E. 9—82525
Coufal, H. *see* Soller, F.X. 9—63214
Coufal, H.-J. *see* Brunnhuber, J. 9—51545
Coughlin, J. *see* Rosen, D. 9—98145
Coughlin, R.W., Farooque, M. Hydrogen production from coal, water and electrons 9—61962
Coughlin, R.W. *see* Farooque, M. 9—91965
Coujou, A. Pinning of dissociated dislocations by the Suzuki effect; kinetic aspects 9—100223
Coulet, A.L., Billia, B., Capella, L. Observation by chemical etching and X-ray topography of cellular structures of monocrystalline dilute binary metallic alloys 9—96249
Coullet, P., Tresser, C., Arneodo, A. Transition to stochasticity for a class of forced oscillators 9—84997
Coulman, C.E. Convection in stratiform cloud 9—53486
Coulomb, P. *see* Clement, A. 9—90721
Coulombe, M. *see* Aymar, M. 9—54793
Coulombe, M.J., Pine, A.S. Linear scan control of tunable lasers using a scanning Fabry-Perot 9—76693
Coulombe, R., Piche, M., Tremblay, R. Transverse profile evolution of pulses passing through TEA-CO_2 amplifiers 9—98425

Coulon, F.de *see* de Coulon, F.
Coulon, G., Descamps, M. Series analysis of steric interaction models in smectic B plane 9—86701
Coulon, P. *see* Berlin, C. 9—97858
Coulon, P. *see* Ravier, J. 9—97878
Coulon, Ph. *see* Luyckx, R. 9—68290
Coulson, C.A. *see* Koppel, H. 9—63975
Coulter, D. *see* Teacher, C.F. 9—64416
Counioux, J.-J. *see* Tenu, R. 9—96004
Counselman, C.C., III, Shapiro, I.I. Miniature interferometer terminals for Earth surveying 9—100805
Counselman, C.C., III *see* Clark, T.A. 9—88920
Counselman, C.C., III *see* Cotton, W.D. 9—53922
Countess, R.J. *see* Thomas, J.W. 9—76150
Coupal, J. *see* Smith, R.B. 9—79637
Coupat, B. *see* Balestri, B. 9—75794, 9—85530
Coupland, R.E. *see* Morris, P.G. 9—66502
Courant, E.D., Month, M., Pellegrini, C., Wang, J.M. Enhanced resistive wall instability for off-centred beams 9—72091
Courant, E.D., Ruth, R.D. The possibility of polarized beams at the AGS [Brookhaven] 9—63844
Courant, E.D. *see* Claus, J. 9—76189
Courant, E.D. *see* Crabb, D.G. 9—72055
Courau, A., Cordier, A., Delcourt, B., Eschstruth, P., Fayard, L., Haissinski, J., Mane, F., Michel, B., Falvard, A., Jousset, J., Montret, J.C. Measurement of lepton pair production in $\gamma\gamma$ processes from e^+e^+ collisions at DCI 9—67529
Courbin, P., Bonnet, J.-P., Chaminade, J.-P., Le Flem, G. A new preparation method of oxide Ti_2O_3 9—100095
Courbin, P. *see* Demazeau, G. 9—86760
Courbin-Gaussorgues, Ch. *see* Olsen, J.O. 9—68314
Courbion, G. *see* Marmeggi, J.C. 9—99682
Courchesne, E. Changes in P3 waves with event repetition: long-term effects on scalp distribution and amplitude 9—70550
Courcon, P. *see* Ravier, J. 9—97878
Courjon, D., Bulabois, J. Real time holographic microscopy using a peculiar holographic illuminating system and rotary shearing interferometer 9—81388
Courlas, G. *see* Agarwal, S.K. 9—83940
Court, A. *see* Elliott, R.D. 9—53468
Court, G.R., Crabb, D.G., Fernow, R.C., Fitzgerald, D.H., Gray, S.W., Hill, D., Jarmer, J.J., Krisch, A.D., Krumpolc, M., Niinikoski, T.O. Report of the workshop on polarized target materials 9—63832
Court, G.R. *see* Bussey, P.J. 9—75778, 9—80829
Courtel, R. *see* Barquins, M. 9—52394
Courtemanche, A.N. *see* Lichtenstadt, J. 9—93490
Courtenay Lewis, J., Tjon, J.A. Resonant production of solitons in the RLW equation 9—97216
Courtes, G. *see* Chon Trung Hua 9—62776
Courths, R., Schulz, H., Hufner, S. High resolution photoemission spectra from a Cu (111) surface 9—52082
Courtillot, V., Ducruix, J., Le Mouel, J.L. Inverse methods applied to continuation problems in geophysics 9—53579
Courtin, R., Lena, P., De Muizon, M., Rouan, D., Nicollier, C., Wijnbergen, J. Far-infrared photometry of planets: Saturn and Venus 9—75151
Courtin, R. *see* Gautier, D. 9—84735
Courtin, R. *see* Querci, M. 9—88670
Courtine, P. *see* Eon, J.-G. 9—73410
Courtney, C., Steen, W.M. The surface heat treatment of En8 steel using a 2 kW CW CO_2 laser 9—83396
Courtois, A. *see* Parmentier, M. 9—99125
Courville, J.De *see* De Courville, J.
Cousin, A.J. *see* Okyere, J.G. 9—70290
Cousin, A.J. *see* Rapoport, I. 9—74732
Cousins, A.W.J., Dean, J.F. Two variable stars with early type spectra 9—84804
Cousins, C.S.G. Electrostatic contributions to the second- and third-order inner elastic constants of HCP metals for a range of axial ratios 9—51186
Cousins, C.S.G. General expressions for inner elastic constants 9—60419
Cousins, J.E. *see* Braim, S.P. 9—51856
Cousins, T. The Doppler ultrasonic flowmeter 9—68889
Cousins, W.J. A theoretical study of wood gasification processes 9—61937
Cousseins, J.C. *see* Sabatier, R. 9—69068
Cousseins, J.C. *see* Vedrine, A. 9—77574
Coussement, R. *see* Bruyn, J.De. 9—99810
Coussement, R. *see* Langouche, G. 9—82899
Coussement, R. *see* Van Rossum, M. 9—61279, 9—99809
Cousson, A., Pages, M., Chevalier, R. Crystal structure of $Li_2Th_5F_{22}.LiOH$ 9—73142
Cousson, A., Pages, M., Chevalier, R. Crystal structure of $Th_6F_{24}.H_2O$ 9—90603
Cousson, A., Tabuteau, A., Pages, M., Gasperin, M. Disodium uranium (IV) fluoride 9—55704
Cousson, A. *see* Tabuteau, A. 9—99133
Cousteix, J. *see* Houdeville, R. 9—77085
Coutanceau, J. *see* Auger, J.L. 9—64812
Coutanceau, J. *see* Doan-Kim-Son 9—64651
Coutinho-Filho, M.D., Balberg, I. New evidence for a narrow conduction band in $CeCr_2Se_4$ 9—78096
Couto, R.M., Nicola, J.H. On the magnetic space group and Raman tensors of antiferromagnetic $RbCoF_3$ 9—82760
Coutris, N. Existence and uniqueness theorem for the problem of the equilibrium state of a thin elastic shell 9—94493
Coutsouradis, D. *see* Cosse, P. 9—52325
Coutures, J.P., Berjoan, R., Benezech, G., Granier, B., Renard, R., Foex, M. Use of laboratory solar furnace for high temperature studies of physical and chemical properties of refractory oxides 9—70268
Coutures, J.P. *see* Alain, P. 9—61367
Coutures, J.P. *see* Piriou, B. 9—69835
Coutures, J.P. *see* Shpil'rain, E.E. 9—99299
Couturier, P., Mangeney, A., Souffrin, P. On the theory of shock-heated atmospheres 9—53788
Couvert, P. *see* Alkhazov, G.D. 9—75883
Couvert, P. *see* Bauer, T.S. 9—54394
Couvert, P. *see* Boudard, A. 9—85436
Couzi, M., Mlik, Y., Daoud, A. Raman spectra and structural phase transitions in chain compounds $(CH_3)_4NMnCl_3$ and $(CH_3)_4NCdCl_3$ 9—56794
Cova, S., Longoni, A., Freitas, I. Versatile digital lock-in detection technique: application to spectrofluorometry and other fields 9—49303
Covault, C. HEAO data support 'open Universe' 9—62946
Coveleskie, R.A. *see* Hudgens, J.W. 9—81230
Covello, A., Giberti, G. Band mixing in doubly-even nuclei at the beginning of the rare-Earth region 9—67623
Cover, R.A. Comment on absorption of focused light by spherical plasma 9—98918
Cover, R.A. *see* Leonard, T.A. 9—82095
Coville, P., Tixier, M. Integrated cable detectors for use under flux and/or at high temperature 9—76114
Covington, D.W., Meeks, E.L. Unintentional dopants incorporated in GaAs layers grown by molecular beam epitaxy 9—91167
Covino, B.S., Jr. *see* Sartwell, B.D. 9—52447
Covvey, H.D. *see* Tsotsos, J. 9—70632
Cowan, D.O. *see* Potember, R.S. 9—65562
Cowan, J.J. *see* Ashley, J.C. 9—95058
Cowan, P.L. *see* Tsong, T.T. 9—51422
Cowan, R. *see* Burkhalter, P.G. 9—94816
Cowan, R.D. *see* Burkhalter, P.G. 9—98012
Cowan, R.D. *see* Hill, K.W. 9—68956
Cowan, R.G. *see* Allen, C.R. 9—49717
Cowan, W.Maxwell *see* Maxwell Cowan, W.
Cowan, W.R. Radiocarbon dating of Nipissing Great Lakes events near Sault Ste. Marie, Ontario 9—84251
Coward, D.H. *see* Cooper, P.S. 9—58540
Coward, R., O'Boyle, D.J. Inexpensive 10-channel commutator for electrophysiological recording from behaving animals 9—84050
Cowden, D.R. *see* Block, H. 9—73883
Cowen, W.F., Sirisinha, K., Lee, G.F. Nitrogen and phosphorus in Lake Ontario tributary waters 9—79418
Cowgill, D.F. Low-energy D(d,p)T spectroscopy for studying dynamic deuteron implant effects 9—51160
Cowie, J.M.G., Horta, A., McEwen, I.J., Prochazka, K. Upper and lower critical solution temperatures for star branched polystyrene in cyclohexane 9—90789
Cowie, L.L., Jenkins, E.B., Songaila, A., York, D.G. O VI absorption in interstellar cloud surfaces? 9—97049
Cowie, L.L., Songaila, A., York, D.G. Orion's Cloak: a rapidly expanding shell of gas centered on the Orion SBI association 9—71086
Cowin, S.C., Satake, M. Continuum mechanical and statistical approaches in the mechanics of granular materials 9—59923
Cowlam, N., Bacon, G.E., Gillott, L., Harmer, G.R., Self, A.G. Neutron diffraction studies of atomic and magnetic order in γ Mn alloys 9—73697
Cowlam, N. *see* Lisher, E.J. 9—55701
Cowlam, N. *see* Smith, B.A. 9—60289
Cowler, M.S. A generalised cavitation model for liquids 9—68770
Cowley, A.A. A study of fluctuations in the large-angle excitation functions of the reaction $^{21}Ne(^3He,\alpha)^{20}Ne(g.s.)$ and the elastic scattering of α-particles from ^{20}Ne 9—89318
Cowley, A.P., Bidelman, W.P. MK spectral types for some F and G stars 9—66999
Cowley, A.P., Crampton, D., Hutchings, J.B. The halo population X-ray source Cygnus X-2 9—97099
Cowley, A.P., Hutchings, J.B. Luminous composite stars in the Large Magellanic Cloud 9—58375
Cowley, A.P. *see* Crampton, D. 9—80327
Cowley, A.P. *see* Hutchings, J.B. 9—53934, 9—97029
Cowley, C.R. Spectral variations among a sample of A stars in a limited range of effective temperature 9—62821
Cowley, E.R. A Bethe model for phase transitions in the hard sphere lattice gas 9—88884
Cowley, E.R. *see* Leese, J.G. 9—87433
Cowley, J.M. Retrospective introduction: What are modulated structures? 9—94929
Cowley, J.M. *see* Hembree, G.G. 9—83377
Cowley, J.P. The distribution over Great Britain of global solar irradiation on a horizontal surface 9—79959
Cowley, R.A. *see* Birgeneau, R.J. 9—78390
Cowley, R.A. *see* Cox, D.E. 9—87259
Cowley, R.A. *see* Hilton, P.A. 9—55998
Cowley, R.R., Segall, R.L., Smart, R.S.C., Turner, P.S. Growth twinning in magnesium oxide smoke crystals 9—60382
Cowley, S.W.H. On the distribution of B_y in the geomagnetic tail 9—80091
Cowsik, R. Radiative stability of neutrinos of finite rest mass 9—63568
Cox, A. *see* Allsopp, S.R. 9—91978
Cox, A. *see* Greenhaus, M.R. 9—84106
Cox, A. *see* Laikin, M. 9—86246
Cox, A.J. *see* Abegg, R. 9—80934
Cox, A.N., Hodson, S.W., King, D.S. Linear theory period ratios for surface helium enhanced double-mode Cepheids 9—67021
Cox, A.N., King, D.S., Hodson, S.W. Theoretical pulsation of metallic-line stars 9—97004
Cox, A.R. *see* Kear, B.H. 9—52195
Cox, B., Mazur, P.O., Van Ginneken, A. Sensitivity of an energy doubler dipole to beam induced quenches 9—68084
Cox, B.M. *see* Allen, N.K. 9—61502
Cox, B.N. Planar defects in itinerant ferromagnets 9—99672
Cox, B.V., Timothy, L.K. Rank-order speech classification algorithm (RASCAL) 9—64426
Cox, C.M. *see* Nicholls, K.H. 9—53383
Cox, C.R. *see* Harrison, G.H. 9—70648
Cox, D., Kinnersley, W. Yet another formulation of the Einstein equations for stationary axisymmetry 9—71311
Cox, D.E., Shapiro, S.M., Cowley, R.A. Magnetic and structural phase transitions in $BaMnF_4$ 9—87259
Cox, D.E., Sweedler, A.R. Comments on Mossbauer-effect studies on 2-MeV proton-irradiated Nb_3Sn 9—69757
Cox, G.F. *see* Corden, M.J. 9—75768, 9—75796
Cox, J.E. *see* Gubser, D.U. 9—71499
Cox, J.L., Jr. Coherent radiation from pulsars 9—53848
Cox, J.P. Some recent developments in stellar pulsation theory 9—84786
Cox, J.P., Stellingwerf, R.F. Radiation pressure and pulsational instability: a possible application to β Cephei stars 9—84806
Cox, J.T., van Hoften, J.D.A., Hwang, N.H.C. Investigation of a pulsatile flowfield downstream from a model stenosis 9—92279
Cox, M. *see* de Winter, F. *(editor)* 9—57357
Cox, M.A.A. Exponent inequalities for the percolation problem 9—63165
Cox, M.E. The lens-pinhole spatial filter [teaching] 9—62976
Cox, P.A. *see* Beatham, N. 9—54816
Cox, R.A. Photochemical oxidation of atmospheric sulphur dioxide 9—70873
Cox, R.A. *see* Raju, M.R. 9—62301
Cox, R.G. *see* Okagawa, A. 9—96372
Cox, R.H. Carbon-13 and lead-207 NMR studies of some organolead compounds 9—95657
Cox, R.J. *see* Grant, B. 9—82148
Cox, R.T. *see* Carranza, E.L. 9—91285
Cox, S.A. *see* Duffey, D. 9—96401
Cox, S.K. *see* Albrecht, B.A. 9—88432
Cox, T.I. *see* Battaglia, M.R. 9—73090
Cox, T.L. *see* Phillips, C.A. 9—92267
Coxon, J.A., Curran, A.H. High-resolution analysis of the $B^3\Pi(0^+)$—$X^1\Sigma^+$ absorption spectrum of BrF 9—59478
Coxon, J.A., Gramari, N., Jacon, M. Resonance Raman spectra of bromine: scattering cross-sections for simultaneous resonance with two excited states, $B^3\Pi(O^+)$ and $^1\Pi(1)$ 9—59470
Coxon, J.A., Sastry, K.V.L.N., Austin, J.A., Levy, D.H. The microwave spectrum of the $OHX^2\Pi$ radical in the ground and vibrationally-excited ($\nu \leq 6$) levels 9—63985
Coxon, L.D., White, J.R. Measurement of internal stresses in chemically cross-linked high-density polyethylene 9—57035
Coy, L. An unusually large westerly amplitude of the quasi-biennial oscillation 9—88439
Coyle, E.L. *see* Vukanovic, V. 9—90457
Coyne, D. *see* Chestnut, R. 9—89531
Coyne, G.V., Magalhaes, A.M. Wavelength dependence of polarization. XXXVI. Changes in polarization across TiO bands in cool stars 9—97005
Coyne, G.V. *see* McLean, I.S. 9—97008
Coz, G.Le *see* Le Coz, G.
Cozar, R., Gelpi, A., Julien, M. Steel for nuclear bolts Z6 NCTDV 25-15. Development of a treatment eliminating structural retraction in service when hot 9—91713
Cozens, J.R. *see* Dyott, R.B. 9—64324
Cozewith, C., Strate, G.V., Graessley, W.W. Polymer crosslinking in continuous flow stirred reactors 9—79246

Cozzarelli, F.A., Tittemore, G. Free lateral vibration of an axially creeping beam-column under initial axial compression 9—50639
Cozzika, G. *see* Fujisaki, M. 9—49542, 9—58974, 9—63521
Crabb, D., Whitelaw, J.H. The influence of geometric asymmetry on the flow downstream of row of jets discharging normally into a free stream 9—81941
Crabb, D.G., Krisch, A.D., Terwilliger, K.M., Cork, B., Courant, E.D., Feltman, A., Ruth, R.D., Parker, E.F., Ratner, L.G. The possibility of acceleration of polarized protons in the Brookhaven AGS 9—72055
Crabb, D.G., Kyberd, P., Salmon, G.L., Antille, J., Werlen, M., Kuroda, K., Michalowicz, A., Perret-Gallix, D. Polarization in p-n elastic scattering at 24 GeV/c 9—63528
Crabb, D.G. *see* Court, G.R. 9—63832
Crabb, D.G. *see* Ratner, L.G. 9—67608
Crabb, R. *see* Suppa, E. 9—96478
Crabb, R.L., Williams, C.J.H. The double roll-out solar array for space telescope 9—52939
Crabb, R.L. *see* Newns, M. 9—96885
Crabtree, G.W., Dye, D.H., Karim, D.P., Ketterson, J.B. High field de Haas-van Alphen spectroscopy in transition metals 9—73425
Crabtree, G.W., Dye, D.H., Ketterson, J.B., Sandesara, N.D., Vuillemin, J.J. Fermi radii, Fermi velocities, and many body enhancement in palladium 9—65363
Crabtree, G.W. *see* Webb, R.A. 9—99708
Crabtree, J.J., Deeth, C. Precision measurement of long lengths 9—75497
Crabtree, R.H. The lattice parameters, densities and atomic volumes of the platinum metals 9—65033
Cracco, J.B., Cracco, R.Q., Stolove, R. Spinal evoked potential in man: a maturational study 9—79498
Cracco, J.B. *see* Cracco, R.Q. 9—70549
Cracco, R.Q., Cracco, J.B. Visual evoked potential in man: early oscillatory potentials 9—70549
Cracco, R.Q. *see* Cracco, J.B. 9—79498
Craciun, I. Axial-symmetric problems in micropolar thermoelasticity 9—68572
Craciun, P. The influence of electrodes on electro-luminescence 9—74005
Cracknell, A.P., Davies, B.L., Kunert, H., Popenda, J., Suffczynski, M. Selection rules for the holosymmetric double space groups based on the body-centred cubic Bravais lattice 9—65019
Cracknell, A.P. *see* Kunert, H. 9—99099
Craddock, M.K. New facilities and kaon factory designs for TRIUMF 9—85837
Craddock, M.K., Kost, C.J., Richardson, J.R. A ring cyclotron kaon factory 9—54728
Craddock, M.K. *see* Beveridge, J.L. 9—72059
Craddock, M.K. *see* Blackmore, E.W. 9—54710, 9—72060
Cradock, S., Green, A.R., Duncan, J.L. Some perpendicular bands of silyl and germyl acetylenes MH_3CCR 9—98096
Cradwick, P.D. General theory for the one-dimensional scattering of X-rays from interstratified clay minerals 9—66685
Craen, J.Van *see* Van Craen, J.
Craft, B.D. *see* Hudgens, C.R. 9—81051
Craft, K. *see* Baretich, M.F. 9—92918
Cragg, D.A. *see* Newport, R.W. 9—63834
Cragg, D.M., Lloyd, P. Kondo Hamiltonians with a non-zero ground-state spin 9—51746
Cragg, D.M., Lloyd, P. Universality and the renormalisability of rotationally invariant Kondo Hamiltonians 9—95573
Cragg, D.M. *see* Lloyd, P. 9—95572
Craig, A.G. *see* Brown, J.G. 9—79658
Craig, B.D. The nature of iron sulfides formed on steel in an H_2S-O_2 environment 9—96195
Craig, D.P., Markey, B.R., Griewank, A.O. Structural disturbance and lattice relaxation in molecular crystal packing calculations 9—51099
Craig, E., Kraus, S., Lunsford, D. Thermal barriers for liquid-metal fast breeder reactors 9—97765
Craig, E., Kraus, S., Wiltshire, F., Gilroy, J.E., Hart, D.F., Holmes, J.A.G. Upper internal structures for liquid-metal fast breeder reactors 9—97766
Craig, I.H. *see* Congleton, J. 9—79174
Craig, J.H., Jr. *see* Hock, J.L. 9—86999, 9—90875
Craig, J.R., Vaughan, D.J., Higgins, J.B. Phase equilibria in the copper-cobalt-sulfur system 9—60482
Craig, N.C., Levin, I.W. Vibrational assignment and potential function for trans-diazene (diimide). Predictions for cis-diazene 9—85952
Craig, N.C., Levin, I.W. Calibrating Raman spectrometers with plasma lines from the argon ion laser 9—97446
Craig, R., Crisp, R.S. Electron transport in Ag-Hg alloys 9—65439
Craig, R.G. *see* Powers, J.M. 9—96710
Craig, R.S. *see* Satyanarayana, M.V. 9—78363
Craig, R.S. *see* Wallace, W.E. 9—78364
Craig, S. *see* Harding, G.L. 9—92079
Craighead, H.G., Bartynski, R., Buhrman, R.A., Wojcik, L., Sievers, A.J. Metal/insulator composite selective absorbers 9—52037
Craighead, H.G. *see* Trotter, D.M., Jr. 9—52956
Craigie, N.S., Salam, A. On the effect of scalar partons at short distances in unified theories with spontaneously broken colour symmetry 9—80783
Craigie, N.S. *see* Barnham, K.W.J. 9—80824
Craik, A.D.D., Adam, J.A. 'Explosive' resonant wave interactions in a three-layer fluid flow 9—64680
Cram, L.A., Newbery, G.W., Rossiter, K.O. Microwave holography: a decade of development 9—76649
Cram, S.P., Yang, F.J. Super chrom 9—57319
Crama, W.J., Bakker, M., Verschoor, G.C., Maäskant, W.J.A. The cooperative Jahn-Teller distorted structure of γ-rubidium chromium(II) trichloride 9—90604
Cramarossa, F., D'Agostino, R., Molinari, E. Kinetics of oxygen atom production in RE discharges of moderate pressures 9—64934
Cramer, E.N. *see* Strahl, J.F. 9—59203
Cramer, J.A. *see* Prestegard, J.H. 9—83711
Cramer, S.N. Solid-angle subtended at a point by a cylinder 9—59110
Cramer, W.A. *see* Whitmarsh, J. 9—62206
Cramer, W.L. *see* Carlile, R.N. 9—90412
Cramond, W.R. *see* Asselin, S.V. 9—85646
Cramp, W.A. *see* Lunec, J. 9—57714
Crampton, D. The distance to the Large Magellanic Cloud from OB stars 9—71111
Crampton, D., Cowley, A.P., Hutchings, J.B., McGraw, J., Starrfield, S., Angel, R., Carleton, M. SS 433 9—80327
Crampton, D., McClure, R.D. Photometry of the optical counterpart of the X-ray source 4U 1626—67 9—67120
Crampton, D. *see* Cowley, A.P. 9—97099
Crampton, D. *see* Gregory, P.C. 9—88755
Crampton, D. *see* Hutchings, J.B. 9—53934, 9—97029
Crampton, S.B., Greytak, T.J., Kleppner, D., Phillips, W.D., Smith, D.A., Weinrib, A. Hyperfine resonance of gaseous atomic hydrogen at 4.2K [and adsorption energy on solid hydrogen] 9—50155
Crance, M. *see* Theodosiou, C.E. 9—59418
Crancon, J. *see* Kratz, K.-L. 9—93559
Crancon, J. *see* Ristori, C. 9—49610
Crandall, D.H., Phaneuf, R.A., Meyer, F.W. Electron capture by slow multicharged ions in atomic and molecular hydrogen 9—59559
Crandall, D.H. *see* Gregory, D. 9—94087
Crandall, E. *see* Abshire, G. 9—81124
Crandall, K.R. *see* Stokes, R.H. 9—71986
Crandall, P.H. *see* Halgren, E. 9—62225
Crandall, R.S., Williams, R., Tompkins, B.E. Collection efficiency measurements on a-Si:H solar cells 9—100526
Crane, A.J. Aspects of the energetics of the upper stratosphere during the January-February 1973 major sudden warming 9—79973
Crane, C.M. *see* Richards, C.W. 9—92946
Crane, G.R., Bergman, J.G. A dispersive phase shifter for use in nonlinear optical interference experiments 9—50348
Crane, H.D. *see* Guyton, D.L. 9—62385
Crane, K. Structure and tectonics of the Galapagos Inner Rift, 86°10′W 9—79808
Crane, K. Hydrothermal stress drops and convective patterns at three mid-ocean spreading centers 9—88339
Crane, P., Nelson, J.E., Tyson, J.A. Possible optical observation of the companion star to the binary pulsar PSR 1913+16 9—84823
Crane, P.C. *see* Seaquist, E.R. 9—88661
Crane, R., Jr. The angle-scanned interferometer 9—58776
Crane, R., Jr. Laser detection by coherence discrimination 9—58777
Crane, S. *see* Steele, C. 9—59795
Crane, T.W., Bourret, S., Eccleston, G.W., Menlove, H.O., Speir, L.G., Studley, R.V. Design of Cf-252 neutron assay system for evaluation at the Savannah River Plant fuel fabrication facility 9—81067
Cranford, J.L. Detection versus discrimination of brief tones by cats with auditory cortex lesions 9—88081
Cranley, K., Bell, T.K. ^{125}I thyroid intakes: consideration of thyroid radiation dose, and air and water concentration limits 9—88195
Crannell, C.J., Crannell, H., Ramaty, R. Solar gamma rays above 8 MeV 9—53779
Crannell, C.J. *see* Coe, M.J. 9—71075
Crannell, C.J. *see* Dolan, J.F. 9—71151, 9—75297
Crannell, C.J. *see* Maurer, G.S. 9—92888
Crannell, H. *see* Crannell, C.J. 9—53779
Crannell, H. *see* Maruyama, X.K. 9—63661
Crannell, H. *see* Sober, D.I. 9—85494
Cranshaw, T.E. *see* Balabanov, A.E. 9—95375
Crapo, J.D. *see* Greeley, D.A. 9—70719
Crapper, G.D. Energy and momentum integrals for progressive capillary-gravity waves 9—94637
Crapper, P.F., Baines, W.D. Some remarks on non-Boussinesq forced plumes 9—57997
Crasemann, B. *see* Chen, M.H. 9—81180, 9—93962
Craus, J., Ishai, I., Por, N. Selective sorption in filler-bitumen systems 9—100437
Craus, M.-L., Rezlescu, N. The connection between the redistribution of the cations and the lattice constant in $Mg_xFe_{3-x}O_4$ system 9—60338
Cravalho, E.G. *see* McGrath, J.J. 9—92191
Craven, A.J. *see* Donald, A.M. 9—61596
Cravens, T.E., Gerard, J.-C., Stewart, A.I., Rusch, D.W. The latitudinal gradient of nitric oxide in the thermosphere 9—100991
Cravens, T.E., Nagy, A.F., Brace, L.H., Chen, R.H., Knudsen, W.C. The energetics of the ionosphere of Venus: a preliminary model based on Pioneer Venus observations 9—75127
Cravens, T.E. *see* Gombosi, T. 9—80257
Craver, B.A. *see* Arenhovel, H. 9—67563
Crawford, B.W., Parkos, G.R., Shiraishi, L.M., Valby, G.F. Operating BWR reactivity and power distribution data base for nuclear methods qualification 9—89404
Crawford, D., Miller, K., Skikne, M.I. Imaging the finte structure of crocidolite fibres using a transmission electron microscope 9—74824
Crawford, D.L. *see* Canterna, R. 9—84831
Crawford, D.L. *(editor)* Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol.172. Instrumentation in Astronomy III 9—75108
Crawford, F.S. *see* Pollaine, S. 9—53732
Crawford, F.W., Harris, E.J.R., Smith, E.B. An improved method for the inversion of second virial coefficient data 9—72381
Crawford, F.W. *see* Harker, K.J. 9—70912
Crawford, H.J. *see* Westfall, G.D. 9—54453
Crawford, J.E. *see* Bavaria, G. 9—54652
Crawford, J.E. *see* Singh, B. 9—67649
Crawford, J.H., Jr. *see* Holmberg, G.E. 9—73809
Crawford, J.H., Jr. *see* Lee, K.H. 9—73990
Crawford, J.H., Jr. *see* White, G.S. 9—91468
Crawford, J.L., Comins, N.R. Dislocation interactions in doubly-deformed germanium 9—73172
Crawford, J.L. *see* Comins, N.R. 9—73171
Crawford, J.M. *see* Ehinger, M.H. 9—85748
Crawford, J.P. *see* Barut, A.O. 9—49428
Crawford, L.W. *see* Chapman, J.N. 9—52942
Crawford, M.L.J. *see* Smith, E.L., III 9—79556
Crawford, O.H. *see* Moak, C.D. 9—51178
Crawford, R., Klewpatinond, V., Benham, P.P. A study of injection moulding parameters and their influence on mechanical properties 9—78929
Crawford, R., Margon, B., Paresce, F., Lampton, M., Bowyer, S. Far ultraviolet photometry of intermediate brightness stars from Apollo-Soyuz 9—71027
Crawford, R.C. Recent eclipses of U Cephei 9—67061
Crawford, T.L., Norris, W.B. Estimating atmospheric dilution of brief, infrequent, random releases 9—83652
Crawford, T.L. *see* Raithby, G.D. 9—66751
Crawley, E.F. The natural modes of graphite/epoxy cantilever plates and shells 9—91737
Crawley, F.E.H., Haines, J.W. The dosimetry of carbon-14 labelled compounds: the metabolism of diethylenetriamine pentaacetic acid (DTPA) in the rat 9—62366
Crawley, G. Automatic focusing by echo ranging in SX-70 cameras 9—93239
Crawley, G.M. *see* Iwasaki, Y. 9—93495
Crawley, H.J. *see* Hancox, R. 9—71976
Creamer, D.B. *see* Carlitz, R.D. 9—63332, 9—71698
Crease, B.A. *see* Asimakopoulos, D.N. 9—57999
Crebbin, K.C. *see* Barale, J.J. 9—72186
Crecelius, G., Wertheim, G.K. Influence of crystal field and d-d overlap on the apparent splitting of the 4d band in cadmium 9—78825
Crees, M. *see* Berrington, K. 9—59579
Creese, M.W. *see* Creese, T.M. 9—53966
Creese, T.M., Creese, M.W. Statistical methods for combining and improving chemical data taken from several independent sources 9—53966
Creighton, J.A., Sinclair, T.J. Vibrational spectra of the hexachloromolybdates and hexachlorotungstates: hexachloro-anions of Mo(III), Mo(IV), MO(V), W(IV) and W(V) 9—68234
Creighton, W.F. *see* Mark, P. 9—60638
Crellin, D.A. *see* Sherrell, P.L. 9—86709
Crellin, J.R., Orton, R.J.J., Tawney, D.A. Present-day school physics syllabuses 9—62952
Cremer, D. Theoretical determination of molecular structure and conformation. IV. ELectronic effects influencing the stability of methyl substituted primary ozonides 9—49961
Cremer, D., Christen, D. On the r_0- and r_e-structures of H_2O_2 9—59594
Cremer, H. *see* Knoche, K.F. 9—74413
Cremer, L. Physical analysis in factor analysis 9—49024
Cremer, L. The fate of the 'secondary waves' arising from self-excitation of string instruments 9—76918
Cremer, S. *see* Revzen, M. 9—63141

Cremin, B.J. *see* Witcombe, J.B. 9−62333
Cremmer, E., Scherk, J., Schwarz, J.H. Spontaneously broken N=8 supergravity 9−67212
Crenn, J.P. A study of waveguides for far infrared interferometers measuring electron density of Tokamak plasmas 9−73034
Crenn, J.P. *see* Belland, P. 9−76715
Crerar, D.A. *see* Means, J.L. 9−66422
Crescentini, G., Bruner, F. Evidence for the presence of Freon 21 in the atmosphere 9−62565
Crescenzi, F., Shirk, J.S. Double beam intracavity laser spectrometers. I. Flash lamp pumped 9−75620
Crescenzi, M.de *see* de Crescenzi, M.
Crescenzi, M.De *see* De Crescenzi, M.
Crespi, H.L. *see* Stockel, P. 9−53038
Crespo da Silva, M.R.M., Glynn, C.C. Nonlinear flexural-flexural-torsional dynamics of inextensional beams. I. Equations of motion 9−64494
Crespo da Silva, M.R.M., Glynn, C.C. Nonlinear flexural-flexural-torsional dynamics of inextensional beams. II. Forced motions 9−64495
Crespo da Silva, M.R.M., Glynn, C.C. Out-of-plane vibrations of a beam including non-linear inertia and non-linear curvature effects 9−64558
Cress, T.S., Fenn, R.W. Climatology of atmospheric aerosols in Europe: Project OPAQUE 9−66784
Cressely, R. *see* Scrivener, O. 9−60034
Cressman, P.J. *see* Reinis, G.J. 9−91116
Cressman, P.J. *see* Schein, L.B. 9−82927, 9−82928
Cresti, M. *see* Barone, L.M. 9−80835
Cretin, J. *see* Berneron, R. 9−52839
Crettez, J.-M., Missett, J.-P., Coquet, E. Vibrations and force constants of the hexagonal lithium iodate crystal 9−69220
Cretu, M., Kronmuller, H. Apparatus for measuring the real part of the complex dielectric constant 9−67338
Cretu, T. *see* Bogdan, D. 9−80899
Creutz, M. Quantum electrodynamics in the temporal gauge 9−49425
Creutz, M. Confinement and the critical dimensionality of space-time 9−89064
Creutz, M., Jacobs, L., Rebbi, C. Experiments with a gauge-invariant Ising system 9−58876
Creuzet, G., Fert, A., Spanjaard, D. Magnetoresistance of silver single crystals containing rare-earth impurities 9−78078
Creuzet, G. *see* Campbell, I.A. 9−78501
Crewther, R.J. *see* Olive, D. 9−71642
Crhak, J. *see* Dorazil, E. 9−96023
Criado, A., Calleja, E., Martinez, J., Piqueras, J., Munoz, E. pn junction applications and transport properties in polysilicon rods 9−99612
Criado-Sancho, M. Influence of a hypothesis about the integrand of the free volume in the prediction of the liquid-gas equilibrium 9−90767
Crick, F.H.C. *see* Prunell, A. 9−79467
Criddle, A.J. *see* Embrey, P.G. 9−58100
Criegee, L. *see* Berger, C. 9−49519
Crighton, D.G. The free and forced waves on a fluid-loaded elastic plate 9−81769
Crighton, D.G., Scott, J.F. Asymptotic solutions of model equations in nonlinear acoustics 9−76905
Criley, J.M. *see* Jengo, J.A. 9−74749
Crill, J. *see* Dickey, F.M. 9−59648
Crimmins, D.H., Jr. *see* Hunter, R.S. 9−49830
Crine, J.-P., Piron, D.-L., Yelon, A. Comments on 'Electrochemical effects as the source of EMF in metal(1)-polymer-metal(2)'. [Primary batteries] 9−87162
Crippa, P.R. *see* Bucci, C. 9−57210
Crippen, M.D. *see* Allen, C.R. 9−49717
Criqui, P. *see* Cavard, D. 9−57388
Crisan, D., Urschitz, D. The multicritical point and the problem of coexistence of two ordered phases 9−77717
Crisanti, F. *see* Casalboni, M. 9−78745
Crisp, D. *see* Young, A.T. 9−75130
Crisp, G.N. *see* Wyatt, A.F.G. 9−55978
Crisp, R.S. The diffusion thermopower on the two-band model−separation of diffusion and phonon drag components in noble metal alloy systems 9−65441
Crisp, R.S. *see* Craig, R. 9−65439
Crisp, R.S. *see* Song, S.J. 9−65440
Cristea, M. *see* Borneas, M. 9−71325
Cristea, N. *see* Radulet, R. 9−69697
Cristea, N.A. The incidence of the magnetic AC field on the surfaces of conducting bodies 9−68350
Cristescu, C.P., Popescu, I.M., Preda, A.M. He-Cd hollow-cathode oscillations in an axial magnetic field 9−59681
Cristescu, N. *see* Cleja, S. 9−94508
Cristian, M. *see* Paraschiv, D. 9−57892
Cristofaro, D.de *see* de Cristofaro, D.
Cristoiu, V. *see* Stanciu, I. 9−90027
Criswell, M.H., Karwoski, C.J., Proenza, L.M. Species differences in the intraretinal electroretinogram within the leopard frog complex 9−62254
Criswell, T. *see* Alonso, J.R. 9−79630
Critin, G. *see* Beer, A. 9−49920
Crittenden, A.W., Yang, G.Y. Condenser piping change improves nuclear unit heat rate six percent 9−67830
Crittenden, E.C., Jr., Cooper, A.W., Milne, E.A., Rodeback, G.W., Kalmbach, S.H., Armstead, R.L. Effects of turbulence on imaging through the atmosphere 9−66806
Crivellari, L., Giuricin, G., Mardirossian, F., Mezzetti, M., Pucillo, M., Santin, P. A software package for the presentation and evaluation of digitized images 9−58267
Crivellari, L., Santin, P., Sedmak, G., Rusconi, L. Processing of digitized stellar spectrograms by a PDS 1010A microdensitometer. The ELSPEC/1 procedure 9−62758
Crljen, Z. One-electron excitations, local potentials and many-electron effects 9−54817
Crljen, Z., Sips, V. Dispersion in a classical electronic plasma 9−55481
Croat, J. *see* James, W.J. 9−78328
Croce, A. *see* Castro, E.A. 9−97149
Croce, P. Comment on two peculiar cases in reflection and scattering of light from a rough interface 9−50211
Croce, P. On electromagnetic wave propagation through a scattering stratified medium 9−81334
Crochet, M.J., Bezy, M. Numerical solution for the flow of viscoelastic fluids 9−60017
Crochiere, R.E. *see* Tribolet, J.M. 9−59886
Crocker, A.G., Bristowe, P.D. In plane translations at crystalline interfaces 9−69113
Crocker, A.J. *see* Astles, M.G. 9−95999
Crocker, M.J. *see* Seybert, A.F. 9−55261
Crockett, G. *see* Baum, P.J. 9−75185
Croff, A.G. The technological impacts of partitioning-transmutation on the nuclear fuel cycle 9−85751
Croff, A.G., Blomeke, J.O. A description of USERDA-ORNL transmutation and fuel cycle impact studies 9−85752
Croft, T.A. A graphical summary of solar wind electron content observations by Pioneer 6, 8, and 9 9−53699
Croft, T.D., Reed, J.S., Snyder, R.L. Microstratified mixing of ceramic systems: viscosity dependence 9−70023
Croft, V. Diffusion in mixed-gas reduction 9−61902
Croissiaux, M. *see* Bourquin, M. 9−71768
Croitoru, M., Grecu, D. Localized vibrations in a simple cubic lattice with a random distribution of isotopic defects in a high symmetry plane 9−86862
Croitoru, N., Jakobson, S. Properties of CdS films and Cu_2S-CdS junctions prepared by chemical printing 9−66019
Croman, R. *see* Pei Chi Chou 9−91780
Cromar, M.W. *see* Ostermeier, R.M. 9−55963
Cromarty, B.J. *see* Clark, D.T. 9−76344, 9−89604, 9−97982
Crombrugghe, M.De *see* De Crombrugghe, M.
Cromer, D.T. The crystal structure of ζ-$Pu_{19}Os$, a structure closely related to β-Pu 9−99117
Cronan, D.S. *see* Sozanski, A.G. 9−84257
Crone, K.P. *see* Brefeld, W. 9−63826
Cronenberg, A. *see* Sasa, P. 9−49746
Cronenberg, A.W. *see* El-Genk, M.S. 9−94481
Cronenberg, A.W. *see* Gunnerson, F.S. 9−49667, 9−55325
Cronin, J.W. *see* Shochet, M.J. 9−63474
Cronin, R. *see* Berndt, M. 9−68025
Cronin, R. *see* Cerino, J. 9−68026
Cronn, D.R. *see* Saunders, W.D. 9−79430
Cronquist, D. Broken-off pencil points 9−84901
Cronyn, W.M., Shawhan, S.D., Rickard, J.J., Mitchell, D.G., Roelof, E.C., Gotwols, B.L. IPS activity observed as a precursor of solar induced terrestrial activity 9−58214
Crook, A., Heron, R.A. Standard methods for measuring the airborne noise from hydraulic pumps 9−50548
Crook, A., Heron, R.A. Standard methods for measuring the airborne noise from hydraulic pumps 9−79433
Crooke, C.R. Dynamic accuracy of analogue X-Y recorders 9−88932
Crooke, M., Lutsch, A.G.K. SEM observation of some factors contributing to four-point probe measurement errors on silicon 9−71484
Crooker, N.U. Dayside merging and cusp geometry 9−66884
Crooker, N.U., Eastman, T.E., Stiles, G.S. Observations of plasma depletion in the magnetosheath at the dayside magnetopause 9−66876
Crooker, N.U., Siscoe, G.L. Large amplitude substorm motion of the magnetotail boundary 9−62684
Crooker, P.P. *see* Schindler, M.E. 9−78691
Crooker, T.W. *see* Bogar, F.D. 9−83373
Crooker, T.W. *see* Yoder, G.R. 9−79071
Crookham, G.D. *see* Cook, D.J. 9−70168
Crooks, D.D. *see* Rennhack, E.H. 9−61663
Crooks, H.E. *see* Ardran, G.M. 9−88202
Cros, B., Kerner-Czeskleba, H. Synthesis and characterisation of stable compounds at 1400 degrees C from the system La_2O_3-MoO_2-MoO_3 9−99162
Cros, C. *see* DiSalvo, F.J. 9−73869
Cros, G. *see* Cartier, M. 9−57189
Crosbie, A.L. Apparent radiative properties of an isotropically scattering medium on a diffuse substrate 9−76951
Crosbie, A.L. Emittance of semi-infinite scattering medium with refractive index greater than unity 9−94471
Crosbie, A.L., Koewing, J.W. Two-dimensional radiative transfer in a finite scattering planar medium 9−90118
Crosbie, E.A. *see* Parker, E.F. 9−72054
Crosby, D.S., Glasser, K.S. Radiance estimates from truncated observations 9−80025
Crosby, G.A. *see* Hipps, K.W. 9−93224
Croset, B. *see* Larher, Y. 9−86994
Croset, M., Diaz, J., Dieumegard, D., Mercandalli, L.M. Low-energy ion scattering spectrometry (ISS) analysis of gallium arsenide anodic oxide 9−52845
Croset, M. *see* Morhange, J.F. 9−73189
Crosier, W.G., Donaldson, J.A., Alexander, W.C. A microcomputer-based data acquisition and control system for cardiopulmonary stress testing 9−79673
Crosignani, B., Di Porto, P. Black-body radiation and thermal equilibrium in a static gravitational field 9−67238
Crosley, D.R. *see* Anderson, W.R. 9−50060, 9−94035
Cross, A., Haward, R.N., Mills, N.J. Post yield phenomena in tensile tests on poly(vinyl chloride) 9−91752
Cross, A.P. *see* Lam, C.F. 9−70505
Cross, J.A., Cetronio, A. Advances in electrostatic coating techniques 9−83363
Cross, J.D., Nakano, M., Savannis, S. Electric stress induced motion in transformer oils under 60 Hz stress 9−90346
Cross, J.D., Smith, H. The determination of bromine in biological material by thermal neutron activation analysis 9−88219
Cross, K.B., O'Donnell, J. An evaporation source pellet or slug feeding system 9−69996
Cross, K.B. *see* Burden, M.St.J. 9−69995
Cross, L.A., Gokay, M.C. Double-pulse excitation experiments on the Ca^+ cyclic laser 9−55118
Cross, L.E. *see* Bhalla, A.S. 9−66000
Cross, L.E. *see* Brun, M.K. 9−91577
Cross, L.E. *see* Cline, T.W. 9−56731
Cross, L.E. *see* Nomura, S. 9−87395
Cross, L.E. *see* Schein, L.B. 9−82927, 9−82928
Cross, L.F. *see* Webster, D.S. 9−49234
Cross, M. *see* Gibson, R.D. 9−68801
Cross, M.C., Fisher, D.S. A new theory of the spin-Peirels transitions with special relevance to the experiments on TTFCuBDT 9−61135
Cross, M.C. *see* Liu, M. 9−82409
Cross, R.C. *see* Kunhardt, E.E. 9−58486
Cross, R.J., Jr. The energy requirements of a chemical reaction 9−57206
Cross, R.J., Jr. The adiabatic semiclassical perturbation theory for vibrationally inelastic scattering. I. Collinear calculations 9−94064
Cross, R.J., Jr. The adiabatic semiclassical perturbation theory for vibrationally inelastic scattering. II. Three-dimensional treatment 9−94065
Cross, Y.M., Dewing, J. Thickness measurements on layered materials in powder form by means of XPS and ion sputtering 9−88913
Crosson, R.S., Koyanagi, R.Y. Seismic velocity structure below the Island of Hawaii from local earthquake data 9−84195
Crosswhite, H., Fano, U., Lu, K.T., Rau, A.R.P. Motional Stark effect on Li vapor photoabsorption in high magnetic field 9−63958
Crosta, G. Diffraction in dispersive media. A system-theoretical approach 9−98272
Crostack, H.-A. *see* Goebbels, K. 9−83416
Crostack, H.-A. *see* Steffens, H.-D. 9−83359
Crosthwaite, J.L., Flemons, R.S. In-reactor performance of surface-mounted and embedded thermocouples 9−93704
Crothers, D.S.F., Hughes, J.G. Differential and total cross sections in 1+7 keV proton+hydrogen atom collisions 9−98216
Crottaz, J.-A. Present position on fuel cells 9−79389
Crouch, R.K. *see* Sher, A. 9−78182
Croucher, D.W., Hobbins, R.R., Quapp, W.J. Behavior of previously failed PWR fuel rods under power ramp and film boiling operation 9−49745
Croucher, D.W.P. Photographic emulsions. Requirement for holography 9−50262
Crough, S.T. Geoid anomalies across fracture zones and the thickness of the lithosphere 9−88231
Crouse, C.B., Turner, B.E. Analysis of ground motion spectra 9−88311
Crouzel, C., Comar, D., Maziere, M., Soussaline, F., Todd Pokropek, A., Baron, J.C., Guenard, H., Verhas, M. First clinical results using short-lived radioisotopes produced by a medical cyclotron 9−57775
Crow, E.L. Confidence limits for seeding effect in single-area weather modification experiments 9−79948
Crow, J.E. *see* Bossard, P. 9−78399

Crow, J.E. *see* Scoboria, P. 9—78068
Crow, J.T., Forrester, A.T., Goebel, D.M. Ion beam propagation across magnetic fields 9—49888
Crowder, B. *see* de Sousa Pires, J. 9—99619
Crowder, G.A. Rotational isomerism in 2-chloro-4-methylpentane and 3-chloro-2-methylpentane 9—59595
Crowe, A. *see* Valk-Fai, T. 9—74642
Crowe, B.M., Crowell, J.C., Krummenacher, D. Regional stratigraphy, K-Ar ages, and tectonic implications of Cenozoic volcanic rocks, southeastern California 9—70798
Crowe, D.S. *see* Smith, D.C.G. 9—97897
Crowe, H.R. *see* Goldberg, I.B. 9—70971
Crowe, J. *see* Sclater, J.G. 9—79768
Crowe, J.R. *see* McClure, D.J. 9—83119
Crowe, M.J., Melugin Coakley, S., Emge, R.G. Forecasting dew duration at Pendleton, Oregon, using simple weather observations 9—70857
Crowe, R.D. *see* Albrecht, R.W. 9—97962
Crowell, C.R. *see* Chwang, R. 9—91067
Crowell, J.C. Gondwanan glaciation, cyclothems, continental positioning, and climate change 9—62526
Crowell, J.C. *see* Crowe, B.M. 9—70798
Crowley, A.B., Ockendon, J.R. On the numerical solution of an alloy solidification problem 9—69228
Crowley, B.J.B. On the theory of nuclear heavy-ion direct transfer reactions 9—49614
Crowley, B.J.B. On the global nature of the semi-classical wavefunction describing elastic scattering in several coordinate dimensions 9—63092
Crowley, B.J.B., Hill, T.F. Approximations to the eigenvalues of the Hamiltonian $P^2+A|X^r|$ in the Weyl correspondence limit—a critical appraisal of Turschner's formula 9—84988
Crowley, T.L. *see* Ballard, D.G.H. 9—94922
Crowley-Milling, M.C. *see* Adams, J.B. 9—68064
Crowley-Milling, M.C. *see* Altaber, J. 9—72211
Crowley-Milling, M.C. *see* Billinge, R. 9—67996
Crowninshield, R.D. Use of optimization techniques to predict muscle forces 9—92273
Crowther, R.L., Bhatt, S.C., Fennern, L.E., Specker, S.R., Tilley, R.M., Townsend, D.B., Wolters, R.A. BWR thorium cycles with improved performance 9—59138
Crowther, R.L., Galloway, G.D., Martin, G.C., Wolters, R.A., Petri, R., Zolotar, B. GE/EPRI Quad Cities 1 cold critical measurements 9—81001
Crowther, R.L., Haskins, J.J., Reager, R.D., Smith, R.E., Tilley, R.M., Wolters, R.A., Zolotar, B.A. Gadolinia spatial depletion measurements in BWR fuel 9—67844
Crowther, R.L. *see* Specker, S.R. 9—85590, 9—85593
Croxton, C. A theory of the departure from Cahn-Hilliard behaviour for non-uniform fluids: the liquid-vapour interface and stability with respect to spinodal decomposition 9—77752
Croxton, C. *(editor)* Progress in liquid physics 9—60245
Croxton, C.A. The size and equation of state of an athermal polymer in a strong solution: a screened convolution approximation 9—60257
Croxton, C.A. Atomic processes at the liquid surface 9—60605
Croxton, C.A. Molecular span and end-to-end probability distribution: a diagrammatic approach for an isolated polymer chain 9—64137
Croxton, C.A. Statistical mechanics of non-uniform fluids: spinodal decomposition and the critical interface 9—68998
Croxton, C.A. Pre- and post-transitional effects on the surface tension of nematic liquid crystals 9—77511
Crozat, G. On the emission of an aerosol rich in potassium by a tropical forest 9—100551
Crozaz, G. Uranium and thorium microdistributions in stony meteorites 9—75162
Crozon, M. Elementary particles theory: experiments with higher energies and new accelerators 9—97642
Crozon, M. *see* Badier, J. 9—93460
Cruddace, R.G. *see* Johnson, M.W. 9—92874
Cruden, D., Kelker, D. Simple graphical methods for estimating the confidence region about the orientation of the intersection of two planes 9—58103
Cruikshank, D.P. *see* Fanale, F.P. 9—92706
Cruise, A.M. *see* Charles, P.A. 9—67079
Crum, M.A. *see* Downs, D.W. 9—96578
Crume, E.C. *see* Isler, R.C. 9—64878
Crummett, W.P., Smith, H.G., Nicklow, R.M., Wakabayashi, N. Lattice dynamics of α-uranium 9—95101
Crummett, W.P. *see* Smith, H.G. 9—95116
Crump, M.W., Lee, J.C. Extended ICE method for UTSG [U-tube steam generator] transient simulation 9—89356
Crumpton, D. *see* O'Connell, B. 9—79351
Crutcher, R.M. Radio observations of OH toward ζ Ophiuchi: evidence for an interstellar shock 9—97052
Crutcher, R.M. *see* Rogstad, D.H. 9—53905
Crutchfield, W.Y., II Method for Borel-summing instanton singularities: introduction 9—71624
Crutzen, P.J. *see* Isaksen, I.S.A. 9—53426, 9—53512
Crutzen, P.J. *see* McAfee, J. 9—53495
Crutzen, S., Jehenson, P. Ultrasonically identified seals for safeguards and physical protection purposes [nuclear materials protection] 9—85677
Cruvellier, P. *see* Maucherat-Joubert, M. 9—58299
Cruyce, J.M.Van den *see* Van den Cruyce, J.M.
Cruz, C.H.B. *see* Gerck, E. 9—71515
Cruz, S.A., Vargas, C., Brice, D.K. Critical analysis of the modified Firsov model. Sensitivity to the choice of atomic wavefunctions 9—77660
Cruz Orive, L.M., Myking, A.O. A rapid method for estimating volume ratios 9—80571
Crystal, T.L., Denavit, J. Numerical solutions of the Vlasov equation with filtering in time 9—82036
Csanady, A., Barna, A., Barna, P.B. The direct observation and investigation of the oxidation of aluminium in the transmission electron microscope 9—61789
Csanady, A., Stefaniay, V., Beke, D.L. A direct study of the decrease of the content of magnesium and zinc alloying elements in aluminium alloys during heat treatment 9—57013
Csanady, G.T. The birth and death of a warm core ring 9—57958
Csaszar-Gilicze, E. *see* Lazar, K. 9—66355
Csavinszky, P. Note on the Fermi-Amaldi corrections for the Thomas-Fermi theory of atoms 9—81156
Cser, F. Nematic polymers and related structures 9—99064
Cser, L., Naszodi, L.J. Estimation for the parameters of the TOF spectrum and measures for the gain of the correlation method 9—49895
Cser, L., Naszodi, L.J. Relationship between electron density distribution and atomic order in iron-aluminium and iron-silicon alloys 9—60309
Cser, L. *see* Petrik, O. 9—93134
Csermely, T.J. Medical data systems and information networks: a course outline 9—80394
Csillik, B. *see* Knyihar, E. 9—74623
Csizmadia, I.G. *see* Daudel, R. 9—59345
Csizmadia, I.G. *see* Goddard, J.D. 9—76348
Csizmadia, I.G. *see* Strausz, O.P. 9—49959
Csorba, I.P. Recent advancements in the field of image intensification: the generation 3 wafer tube 9—89988
Csordas, T.A. Direct lattice resolution [electron microscopy] 9—55617
Ctyroky, J., Cada, M., Lyndin, N.M., Sychugov, V.A., Schroefel, J. Novel beam-to-waveguide coupler for $LiNbO_3$ optical waveguides 9—90003
Cuadill, L.O. *see* Bufton, J.L. 9—100945
Cuatis, C.V., Ballam, J., Bouchez, J., Carroll, J.T., Chadwick, G.B., Chaloupka, V., Field, R.C., Freytag, D.R., Lewis, R.A., Minard, M.-N., Moffeit, K.C., Stevens, R.A. Production and decay angular distributions of the Y*(1385) in the line-reversed reactions: $\pi^+p\rightarrow K^+Y^*(1385)$ and $K^-p\rightarrow\pi^-Y^*(1385)$ at 11.5 GeV/c 9—89193
Cubalchini, R. Modal wave-front estimation from phase derivative measurements 9—89856
Cubeddu, R., De Silvestri, S. A simple and reliable atmospheric pressure nitrogen laser 9—55150
Cubicciotti, D. *see* Jones, R.L. 9—66206
Cubicciotti, D. *see* Lau, K.H. 9—95153
Cubiotti, G., Ginatempo, B. Electron density of states in stoichiometric PdH by the recursion method 9—90937
Cucolo, A.M., Pace, S. Thermodynamics of second order phase transitions in a molecular field theory for inhomogeneous systems: proximity sandwiches 9—56408
Cuculescu, I. On some electro-optical properties of mixture of cholesteric liquid crystals. Possibilities of application to information storage 9—78657
Cuden, C.B., Guedes, J., Malbouisson, J.M. Electromagnetic absorption in antiferromagnetic chromium 9—51925
Cuden, C.B., Ramos, A. da S. Raman scattering of light off a superconducting alloy containing paramagnetic impurities 9—73634
Cudny, W. *see* Pawlowski, Z. 9—76289
Cudworth, K. Astrometry in the globular cluster M13. II. Membership probabilities from old proper motions 9—88708
Cudworth, K.M., Herbig, G. Two large-proper-motion Herbig-Haro objects 9—71022
Cudworth, K.M., Monet, D.G. Astrometry in the globular cluster M13. I. New proper motions and membership probabilities 9—75252
Cue, N., de Castro-Faria, N.V., Gaillard, M.J., Poizat, J.C., Remillieux, J. Transmission of fast H_3^+ molecules through thin carbon foils 9—76484
Cue, N., Gaillard, M.J., Poizat, J.C., Remillieux, J., Subtil, J.L. Survival of fast molecular ions traversing a thin foil 9—64103
Cueilleron, J., Viala, J.C. Purity of boron prepared by vacuum decomposition of purified boron triiodide 9—91589
Cuellar, E., Pimentel, G.C. Rotational laser emission by HF in the $ClF-H_2$ chemical laser 9—98349
Cuellar, E. *see* Burland, D.M. 9—76764
Cueman, M.K. *see* Mapp, G.R., IV 9—74457
Cuer, M. Application of linear programming to the inverse gravity or magnetic problem: basic numerical techniques 9—53581
Cuer, M. Semi-classical analysis of optical model ambiguities 9—85419
Cueto, J.A.Del *see* Del Cueto, J.A.
Cuevas, A. *see* Luque, A. 9—61999
Cufaro Petroni, N., Vigier, J.P. Stochastic derivation of Proca's equation in terms of a fluid of Weyssenhoff tops endowed with random fluctuations at the velocity of light 9—97247
Cuffin, B.N. On the use of electric and magnetic data to determine electric sources in a volume conductor 9—83727
Cugusi, L. *see* Anedda, A. 9—56757
Cui Yun-Feng *see* Lu Han-Lin 9—49601
Cui-Zhong Qi *see* Qi Cui-Zhong
Cujec, B. *see* Chatterjee, M.L. 9—80950
Cuker, S. *see* Kordyban, E. 9—68837
Culasso, V.O. *see* Pluss, J.J. 9—88980
Culberson, C.H., Latham, G., Bates, R.G. Solubilities and activity coefficients of calcium and strontium sulfates in synthetic seawater at 0.5 and 25°C 9—91986
Culberson, O.L. *see* Carrell, R.D. 9—54575
Culbertson, R.J., Sakurai, T., Robertson, G.H. Ionization of liquid metals, gallium 9—78849
Culbertson, R.J., Sakurai, T., Robertson, G.H. Field ionization of surface absorbates 9—78853
Culbertson, R.J. *see* Sakurai, T. 9—78850
Culetto, F.J., Pobell, F. Isotope effect in the superconducting Chevrel phase Mo_6Se_8 9—51713
Culetto, F.J., Pobell, F. Synthesis and transition temperatures of the superconducting Chevrel-phase system $Cu_xMo_6S_6I_2$ with $x=0$ to 1.2 9—69618
Culetto, F.J. *see* Rainer, D. 9—73615
Culhane, J.L. The structure and spectra of the X-ray sources in clusters of galaxies 9—58448
Culhane, J.L. *see* Bell, S.J. 9—84856
Culhane, J.L. *see* Charles, P.A. 9—67079
Culhane, J.L. *see* Clark, D.H. 9—84843
Culhane, J.L. *see* Murdin, P. 9—53892
Culhane, J.L. *see* Parkinson, J.H. 9—96979
Culik, J.S., Chung, D.D.L. Calorimetric study of the order-disorder transformations in graphite-halogens 9—52206
Culik, K., II *see* Lindenmayer, A. 9—66458
Culkin, F., Smed, J. The history of standard seawater 9—79871
Culkin, F. *see* Hermann, F.E. 9—74898
Cull, J.P., Denham, D. Regional variations in Australian heat flow 9—84203
Cullen, A.L., Yu, P.K. Complex source-point theory of the electromagnetic open resonator 9—50196
Cullen, G.W. The preparation and properties of heteroepitaxial silicon 9—83128
Cullen, G.W., Wang, C.C. *(editor)* Heteroepitaxial semiconductors for electronic devices 9—83116
Cullen, J. *see* Hathaway, K. 9—73793
Cullen, J. *see* McInturff, A.D. 9—68088
Cullen, J. *see* Melamud, M. 9—99683
Cullen, J.K., Jr. *see* Whittaker, R.G. 9—92225
Cullen, J.R. *see* Mitchell, M.A. 9—73790
Cullinan, W.L., Tekieli, M.E. Perception of vowel features in temporally-segmented noise portions of stop-consonant CV syllables 9—98561
Cullinan, W.L. *see* Tekieli, M.E. 9—98560
Cullis, A.G., Farrow, R.F.C. A study of the structure and properties of epitaxial silver deposited by atomic beam techniques on (001) InP 9—82492
Cullis, A.G., Poate, J.M., Celler, G.K. Redistribution and enhanced solubility of transition metal implants in silicon following laser irradiation 9—69129
Cullis, A.G., Webber, H.C., Bailey, P. A device for laser beam diffusion and homogenisation 9—68436
Cullis, A.G., Webber, H.C., Robertson, D.S. Laser annealing of ion-implanted indium phosphide 9—73199
Cullis, A.G. *see* Farrow, R.F.C. 9—87016
Cullison, B.L. *see* Hamlet, S.L. 9—74692
Cullison, M.A. *see* Talbert, W.L., Jr. 9—67956
Cul'nyashkin, V.N. *see* Peretyat'ko, V.N. 9—83288
Culot, R. *see* Glibert, J. 9—51286
Culpepper, C.A. *see* Beahm, E.C. 9—93727
Culshaw, B. Minimisation of modal noise in optical-fibre connectors 9—90004
Culshaw, B., Hutchings, M.J. Optical-fibre flowmeter 9—98830
Culshaw, B. *see* Kingsley, S.A. 9—72717
Culver, D. *see* Bender, D.J. 9—76124
Culver, G.G. *see* Kreitlow, D.B. 9—57356
Culver, J.V., Ruckel, R.R., Turits, J.C. Spectrophotometer head 9—93201
Culver, J.V. *see* Conrad, F.L. 9—64328
Culver, L.E. *see* Leevers, P.S. 9—70144
Culverhouse, J.N. *see* Miller, D.M. 9—98517
Culwick, B.B. *see* Batchelor, K. 9—72086
Cumalat, J.P. *see* Atiya, M.S. 9—80831
Cumali, Z.O. *see* Graven, R.M. 9—57456

Cumbrera, F., Malandain, J.-J., Vigier, P. Inelastic and elastic electronic diffusion by an amorphous sample 9—90554
Cumming, J. *see* Johnston, J.W. 9—60104
Cummings, A. Low frequency sound transmission through the walls of rectangular ducts: further comments 9—81598
Cummings, A., Wing-King, A.M. The attenuation of lined plenum chambers in ducts. II. Measurements and comparison with theory 9—81625
Cummings, P.T. Exact solution of the mean spherical approximation for a model liquid metal potential. I. Method of solution 9—82144
Cummings, P.T., Smith, E.R. On the Yukawa closure of the Ornstein-Zernike equation 9—99050
Cummings, P.T., Smith, E.R. Liquid-gas transition for hard spheres with attractive Yukawa tail interactions 9—99304
Cummings, R.W., Kaluzne, S.J. An improved electrode for electroretinography: design and standarization 9—92401
Cummings, T.E., Jensen, M.A., Elving, P.J. Construction, operation and evaluation of a rapid-response potentiostat 9—52678
Cummins, S.E. Propagation of fermions in the A_0=0 gauge 9—71669
Cummins, W.F. *see* Turner, W.C. 9—86589
Cumo, M. *see* Avanzini, P.G. 9—97793
Cundall, R.B., Johnson, I., Jones, M.W., Thomas, E.W., Munro, I.H. Photophysical properties of DPH derivatives 9—72344
Cundall, R.B., Jones, M.W., Learner, R.C.M., Wheaton, J.E.G., Griffiths, D. Design of a vacuum ultraviolet spectrofluorimeter 9—71538
Cundy, D.C. Recent results in high energy neutrino physics 9—93402
Cundy, D.C. *see* Blietschau, J. 9—93396
Cundy, S.L., Goodkin, E., McMillan, J.L., Mossman, P. An insertion loss meter and reflectometry of prepared fibre ends 9—64358
Cung, V.K., Devoto, A., Fulton, T., Repko, W.W. Order-α^4R_∞ contributions to positronium hyperfine structure from radiative corrections to two-photon virtual annihilation 9—76538
Cuniberti, C., Perico, A., Musi, L. Hydrodynamic interaction effects on intrinsic viscosity of perturbed chains: experimental results for polystyrene 9—99344
Cunliffe, N.H., Roberts, R.L. A superconducting uniform solenoid field magnet for a large polarised target 9—54221
Cunliffe, N.H. *see* Newport, R.W. 9—63834
Cunningham, A. *see* Ballard, D.G.H. 9—94922
Cunningham, A.D., Gregory, N.L., Shaw, A., Mcdonald, T.H. Performance indicator for subject motivation in respiratory tests 9—57797
Cunningham, C.T., Price, R.H., Moncrief, V. Radiation from collapsing relativistic stars. II. Linearized even-parity radiation 9—75228
Cunningham, D.J., Stolwijk, J.A.J., Wenger, C.B. Comparative thermoregulatory responses of resting men and women 9—88055
Cunningham, G.W. Projecting the 1985 fuel cycle impact of government actions on the back end of the LWR fuel cycle 9—59237
Cunningham, G.W. Optimized once-through cycle and international nonproliferation objectives 9—85633
Cunningham, J., Goold, E.L., Leahy, E.M. Reactions involving electron transfer at semiconducting surfaces. VIII. Room temperature activity of prereduced ZnO, TiO_2 and MgO surfaces for oxygen isotope exchange 9—91998
Cunningham, J.R. *see* Sontag, M.R. 9—92386
Cunningham, M.E., Hann, C.R., Olsen, A.R. Uncertainty analysis and stored-energy calculations 9—93698
Cunningham, M.E. *see* Bradley, E.R. 9—93697
Cunningham, M.E. *see* Peddicord, K.L. 9—59173
Cunningham, R.C. Choosing an 8-14 μm quantum detector 9—80681
Cunningham, R.C. Shiva project looks ahead 9—85764
Cunningham, S.L., Weinberg, W.H., Hardy, J.R. Dependence on the inelastic electron tunneling intensity on adsorbate concentration 9—68284
Cunsolo, S. *see* Buontempo, U. 9—50086
Cuomo, J.J., Harper, J.M.E., Kaufman, H.R. Small ion sources for large area ion milling 9—75510
Cuomo, J.J., Leary, P.A., Yu, D., Reuter, W., Frisch, M. Reactive sputtering of carbon and carbide targets in nitrogen 9—78886
Cuomo, J.J. *see* Chaudhari, P. 9—80603
Cuomo, J.J. *see* Kaufman, H.R. 9—78880, 9—89841
Cuomo, J.J. *see* Molzen, W.W. 9—75657
Cuot, E. *see* Assus, P. 9—62755
Cuperman, S., Metzler, N., Hollweg, J.V., Turner, J.M. Comments on 'Acceleration of solar wind He^{++}. III. Effects of resonant and nonresonant interactions with transverse waves' by J.V. Hollweg and J.M. Turner [with reply] 9—80184
Cuperman, S. *see* Metzler, N. 9—92643
Cuperus, J. *see* Baribaud, G. 9—72209
Cupini, N.L. *see* Nazar, A.M.M. 9—83355
Cupo, J.V. Fuel fabrication: how will it change? 9—63797
Cur, N., Sparrow, E.M. Measurements of developing and fully developed heat transfer coefficients along a periodically interrupted surface 9—81885
Curci, G., d'Emilio, E. On gauge invariance and perturbative calculations in quantum chromodynamics 9—63417
Curci, G., Greco, M., Srivastava, Y. Coherent quark-gluon jets 9—97580
Curci, G. *see* Barbieri, R. 9—80809
Curcio, J.A. *see* Dowling, J.A. 9—53521
Curir, A. Spin entropy of a rotating black hole 9—75246
Curir, A., Demianski, M. Note on thermodynamics of cosmological event horizons 9—97113
Curir, A., Francaviglia, M. Spin thermodynamics of a Kerr black hole 9—93015
Curir, A. *see* Vaghi, S. 9—58292
Curl, M.L., Freedman, J.M., Pope, R.B., Wesley, D.A. Heat transfer tests to support breeder reactor spent-fuel shipping cask designs 9—85640
Curl, R.F., Jr. *see* Kasper, J.V.V. 9—68245
Curl, R.F., Jr. *see* Lowe, R.S. 9—68246
Curl, R.F., Jr. *see* McMahan, M.A. 9—59441
Curnutte, B. *see* Annett, C.H. 9—54958
Curran, A.H. *see* Clyne, M.A.A. 9—50077
Curran, A.H. *see* Coxon, J.A. 9—59478
Curran, B.H. *see* Strohbehn, J.W. 9—57758
Curran, J.C. *see* Baker, B. 9—74973
Curran, J.H., Carroll, M.M. Shear stress enhancement of void compaction 9—69182
Curran, J.S., Gissler, W. The different photoelectrochemical behavior of sintered and flame-oxidized Fe_2O_3 9—70355
Curran, P.J. A photographic method for the recording of polarised visible light for soil surface moisture indications 9—53557
Currat, R. *see* Christensen, A.N. 9—99284
Currat, R. *see* Damien, J.C. 9—51222, 9—73266
Currat, R. *see* de Pater, C.J. 9—82936
Currat, R. *see* Denoyer, F. 9—60469
Current, D.H. Combinatorial rules for batteries [introductory physics texts] 9—62962
Current, W. *see* Forbes, L. 9—73595
Currie, I.G. *see* Bearman, P.W. 9—59995
Currie, J.F., Bishop, A.R. Numerical determination of some generic nonlinear excitations in condensed matter physics 9—71372
Currie, J.F., Blumen, A., Collins, M.A., Ross, J. Dynamics of domain walls in ferrodistortive materials. II. Applications to $Pb_5Ge_3O_{11}$- and SbSI-type ferroelectrics 9—73890
Currie, J.F. *see* Collins, M.A. 9—73282
Currie, N.C. *see* Dyer, F.B. 9—80065
Currie, P.K. Apparent viscosity during viscometric flow of nematic liquid crystals 9—60265
Currie, P.K. Thermoelastic surface waves are retrograde 9—77888
Currie, P.K. The secular equation for Rayleigh waves on elastic crystals 9—77889
Currie, R. *see* Ingels, F.M. 9—81643
Currie, R.G. Distribution of solar cycle signal in surface air temperature over North America 9—58042
Curru, J.-C., Gengembre, L., Chapoton, A., Vandorpe, B. Hertzian spectrometry study of the distribution of partially hydrated NaA zeolite cations 9—51903
Curry, D.A., Knott, J.F. Effect of microstructure on cleavage fracture toughness of quenched and tempered steels 9—74252
Curry, D.A., Pratt, P.L. The role of second phase particles in the ductile fracture of higher carbon steels 9—52359
Curry, G.R. *see* White, D.N. 9—96730
Curry, J.H. Chaotic response to periodic modulation of model of a convecting fluid 9—98728
Curry, M.J. *see* Schemenauer, R.S. 9—100973
Curry, T.J., Tufts, D.W. Performance estimates for the Hunt transit detector 9—68494
Curtain, R.F., Ichikawa, A., Ryan, E.P. Modelling, filtering and control for water pollution 9—57520
Curthoys, I.S. Firing rate measurement [neurons] 9—70715
Curtin, D.Y. *see* Desiraju, G.R. 9—73159
Curtis, C.D., Lee, G.M., Owen, C.W., Schmidt, C.W., Smart, W.M. Linac H^--beam operation and uses at Fermilab 9—71989
Curtis, C.D. *see* Cline, D.B. 9—68005
Curtis, C.D. *see* Schmidt, C.W. 9—72172
Curtis, D.B. *see* Bartlett, J.F. 9—89535
Curtis, D.B. *see* Gladney, E.S. 9—52836
Curtis, G.D. Wide-frequency response of type J-9 underwater sound projector in a typical experimental tank 9—50556
Curtis, G.H. *see* Cerling, T.E. 9—57930
Curtis, J.E., Sinclair, T.J. Effect of electrolyte impurity on the electrochemical performance of the lead/tetrafluoroboric acid/lead dioxide cell 9—52927
Curtis, L.J. Use of hydrogenic transition probabilities for non-penetrating Rydberg states with core polarisation 9—89638
Curtis, L.J. Fine structure separations for the ^2D terms of the Cu isoelectronic sequence 9—89804
Curtis, L.J. *see* Denne, B. 9—59391
Curtis, L.J. *see* Engstrom, L. 9—89645
Curtis, P.M., Williams, B.W., Porter, R.F. An experimental study of the energetics ot fragmentation of H_2 9—96292
Curtis, P.T. *see* Bailey, J.E. 9—61723
Curtis, R.A., Niederjohn, R.J. New frequency domain processing techniques for speech in wideband random noise 9—94416
Curtis, S.A., Wu, C.S. Electrostatic and electromagnetic gyroharmonic emissions due to energetic electrons in magnetospheric plasmas 9—80086
Curtis, S.A., Wu, C.S. Gyroharmonic emissions induced by energetic ions in the equatorial plasmasphere 9—101009
Curtis, S.A., Wu, C.S., Fairfield, D.H. Electromagnetic and electrostatic emissions at the cusp-magnetosphere interface during substorms 9—66880
Curtis, W.F., Meade, R.H., Nordin, C.F., Jr., Price, N.B., Sholkovitz, E.R. Non-uniform vertical distribution of fine sediment in the Amazon River 9—84313
Curtiss, C.F. A generalized phase shift approach to the semiclassical S matrix 9—89725
Curtiss, C.F. *see* Wood, R.R. 9—81261, 9—82020
Curtiss, L.A. Molecular orbital studies of Al_2F_6 and Al_2Cl_6 using a minimal basis set 9—49943
Curtiss, L.A. *see* Frurip, D.J. 9—52647
Curtress, N. *see* Briscoe, F. 9—49789
Curtright, T. Massless field supermultiplets with arbitrary spin 9—85240
Curzon, A.E., Leff, H.S. Resolution of an entropy maximization controversy 9—58477
Curzon, A.E., Singh, O. Electrical resistance studies of yttrium and the yttrium hydrogen system 9—78221
Curzon, F.L. *see* Godfrey, L.A. 9—98920
Curzon, F.L. *see* Popil, R. 9—50833
Cushing, V. Probe type electromagnetic flowmeter 9—68853
Cushley, R.J., Forrest, B.J., Gillis, A., Tribe, J. Structures and properties of mixtures of branched chain compounds and lecithin: phytol, α-tocopherol (vitamin E), and phytanic acid 9—83713
Cusick, J.F. *see* Haughton, V.M. 9—92363
Cusimano, J.J.P. Methods and techniques of thermoluminescence environmental monitoring at nuclear facilities 9—85819
Cusso, F., Jaque, F. Comparison between microscopic and phenomenological analysis of ionic thermocurrents (ITC) 9—51302
Cutler, C. *see* Berdichevsky, F. 9—64445
Cutler, C. *see* Murillo, G. 9—64444
Cutler, E.P. *see* Maurer, G.S. 9—92888
Cutler, I.B. *see* Callister, W.D. 9—78919
Cutler, I.B. *see* Miller, P.D. 9—79240
Cutler, L.S. *see* Joly, R. 9—93089
Cutler, M. *see* Gardner, J.A. 9—95567
Cutler, P.H. *see* Nagy, D. 9—74065
Cutler, R.I., Kemper, K.W., Chapman, K.R. Production of ^{10}B and ^{11}B negative ion beams with a sputter source 9—93857
Cutler, R.I. *see* Parks, L.A. 9—67773
Cutrona, L.J. Synthetic aperture mapping of the Moon using a space telescope—some speculations 9—75119
Cutshall, E.R., Muschlitz, E.E., Jr. Transfer of electronic excitation in collisions of metastable argon atoms with nitrogen molecules 9—64071
Cutter, G.A., Bruland, K.W., Risebrough, R.W. Deposition and accumulation of plutonium isotopes in Antarctica 9—70820
Cutter, J.R., Woods, J. Growth of single crystals of zinc selenide from the vapour phase 9—91573
Cutting, E., Born, G.H., Frautnick, J.C. Orbit analysis for SEASAT-A 9—80199
Cutts, D., Dulude, R.S., Lanou, R.E., Jr., Massimo, J.T., Meunier, R., Brenner, A.E., Carey, D.C., Elias, J.E., Garbincius, P.H., Mikenberg, G., Polychronakos, V.A., Chiaratia, M.D., DeMarzo, C., Favuzzi, C., Germinario, G., Guerriero, L., LaVopa, P., Maggi, G., Posa, F., Selvaggi, G., Spinelli, P., Waldner, F., Aitkenhead, W., Barton, D.S., Brandenburg, G.W., Busza, W., Dobrowolski, T., Friedman, J.I., Kendall, H.W., Lyons, T., Nelson, B., Rosenson, L., Toy, W., Verdier, R., Votta, L. Experimental study of low-p_t hadron fragmentation 9—85346
Cutts, J.A., Blasius, K.R., Roberts, W.J. Evolution of Martian polar landscapes: interplay of long-term variations in perennial ice cover and dust storm intensity 9—84721
Cuvellier, J., Berlande, J., Perrin, M.Y., Mestdagh, J.M., de Mesmay, J., Benoit, C. Crossed-beam determination of energy dependence of fine-structure transitions in K(4P)-He collisions 9—86035
Cuypers, M., Busca, G. The use and development of non-destructive analysis for the EURATOM (CEC) Safeguards Directorate 9—85693
Cuypers, M. *see* Bibliocca, C. 9—49702
Cuzzi, J.N., Durisen, R.H., Burns, J.A., Hamill, P. The vertical structure and thickness of Saturn's rings 9—53769
Cuzzocrea, P. *see* Terrasi, F. 9—80912

Cvach, J. *see* Boos, E.G. 9—49548, 9—67611
Cvach, J. *see* Lichard, P. 9—97639
Cverna, F., McNaughton, M., Hwang, C., Bonner, B., King, N., Willard, H., Winkleman, E. Analyzing power for the reaction spin up $pp \rightarrow d\pi^+$ at 0.8 GeV proton energy 9—85315
Cverna, F. *see* Willard, H.B. 9—63502
Cvetanovic, R.J., Singleton, D.L., Paraskevopoulos, G. Evaluations of the mean values and standard errors of rate constants and their temperature coefficients 9—74346
Cvetanovic, R.J. *see* Singleton, D.L. 9—52627
Cvitanovic, P., Hoyer, P., Konishi, K. Partons and branching 9—89111
Cwik, Z. Analysis of formation process and character of fatigue development in unreinforced and reinforced polyamide 6 submitted to circular flexural loading 9—70170
Cwiok, S. *see* Dudek, J. 9—97673
Cwirko, R. *see* Marciniak, W. 9—91145
Cybulska, E.W. *see* Wylie, W.R. 9—85856
Cygler, J., Czerwik, Z., Cygler, M. Computer analysis of the decay kinetics of solvated electrons in liquid ethanol at low temperatures 9—66319
Cygler, M. *see* Cygler, J. 9—66319
Cynader, M. *see* Regan, D. 9—100608
Cyranski, J.F. Measurement, theory, and information 9—71395
Cyron, B.M., Hutton, W.C., Stott, J.R.R. The mechanical properties of the lumbar spine 9—100645
Cyrot, M. New point of view on metastability in spin-glasses 9—82796
Cyrot, M., Lavagna, M. Itinerant metamagnetism in rare earth-transition metal compounds 9—78297
Cyrot, M., Lavagna, M. Density of states and magnetic properties of the rare-earth compounds RFe_2, RCo_2 and RNi_2 9—90936
Cyvin, B.N., Cyvin, S.J., Whitmer, J.C. Molecular vibrations of complexes with trigonal ligands. X. The T model of $Zr(BH_4)_4$ with calculated mean amplitudes 9—59433
Cyvin, B.N. *see* Bakke, A. 9—59436
Cyvin, B.N. *see* Cyvin, S.J. 9—81201, 9—82295
Cyvin, S.J., Cyvin, B.N., Brunvoll, J. Condensed aromatics. IV. The five-parameter approximation and mean amplitudes of vibration 9—82295
Cyvin, S.J., Cyvin, B.N., Brunvoll, J., Whitmer, J.C., Klaeboe, P., Gustavsen, J.E. Condensed aromatics. III. In-plane molecular vibrations of pyrene 9—81201
Cyvin, S.J. *see* Bakke, A. 9—59436
Cyvin, S.J. *see* Cyvin, B.N. 9—59433
Cyvin, S.J. *see* Lyhamn, L.E. 9—81200
Czajczynski, Z. *see* Adamczewski, W. 9—67299
Czajko, J., Janic, I., Ristic, P. Influence of microenvironment upon the luminescence properties of aminoquinoline derivatives 9—59494
Czajkowski, M. *see* Honing, G. 9—98247
Czako-Nagy, I. *see* Leidheiser, H., Jr. 9—61269, 9—90897
Czanderna, A.W., Vasofsky, R. Surface studies with the vacuum microbalance 9—71465
Czanderna, A.W. *see* Prince, E.T. 9—75501
Czanderna, A.W. *see* Vasofsky, R. 9—80580, 9—82454
Czanderna, K.K. *see* Vasofsky, R. 9—82454
Czapla, Z., Lis, T., Sobczyk, L. Ferroelectric properties of NH_4HSeO_4 crystals 9—51916
Czapla, Z. *see* Poprawski, R. 9—78637
Czaputowicz, E.W. *see* Kepka, J.B. 9—69254
Czarnecka-Such, E. *see* Kossakowska-Kisiel, Z. 9—90920
Czarnecki, S. Multiphonon excitation of naphthalene monocrystals by Q-switched ruby laser 9—61414
Czarniecka, K., Janik, J.M., Janik, J.A. Confrontation of experimentally determined reorientational correlation times τ_1 and τ_2 with the Hubbard diagram for liquid t-butyl derivatives 9—61353
Czarniecki, S. The influence of quadratic vibronic coupling on the circular dichroism spectra of molecular dimers 9—76402
Czarnota, I., Tabaka, A., Ciepienko, R. Resistance detector for temperature measurement at high pressures 9—97388
Czarny, Z., Rasala, D., Kula, I. The ageing processes in some selected dispersions of polyvinyl compounds 9—70098
Czech, W. *see* Zierl, R. 9—85835
Czechowsky, P., Ruster, R., Schmidt, G. Variations of mesospheric structures in different seasons 9—84370
Czechowsky, P. *see* Untiedt, J. 9—66888
Czekaj, S. *see* Antonowicz, D. 9—68950
Czeratzki, A. Plane slip line fields during isotropic solidification 9—91640
Czerbniak, J., Malecki, H. Calculations of angular distributions of backscattered particles for planar channeling for different potentials ion-plane 9—51174
Czerminska, M.A. *see* Blinowska, K.J. 9—83966
Czerwik, Z. *see* Cygler, J. 9—66319
Czerwonko, A. Optical bleaching of colour centres in gamma-irradiated sodium chloride crystals. I. Formation of ordinary F-aggregate centres 9—95813
Czerwonko, A. Optical and thermal bleaching of colour centres in gamma-irradiated sodium chloride crystals. II. Formation of new trapped-electron centres 9—95814
Czerwonko, J. Sound dispersion for $^3He(B)$ and neutral superfluids with BCS pairing at T=0 9—51345
Czibula, Gy. *see* Dezsi, Gy. 9—88996
Czibula, Gy. *see* Shanda, J. 9—88995
Czine, J. The application of automatic measurements and automata in medical engineering 9—62381
Czine, J. General considerations of transducer design for medical use 9—92408
Czirr, J.B. Self-shielded fission rates for uranium-235 9—59096
Czuchaj, E. Transition probability of the system of two colliding atoms within a laser beam 9—50120
Czuchaj, E. Collisionally induced transition dipole moments of alkali-rare gas atom systems 9—98195
Czuchaj, E., Sienkiwicz, J. Adiabatic potentials of the alkali-rare gas atom pairs 9—81254
Czycholl, G., Zittartz, J. Electrical conductivity for Lloyd's disorder model in one dimension 9—60779
Czycholl, G. *see* Leder, H.J. 9—99514
Czyz, W. *see* Hand, L. 9—75979
Czyzak, S.J., Aller, L.H. A comparison of the spectra of the ring and ansae in NGC 7009 9—71101
Czyzak, S.J. *see* Aller, L.H. 9—84835
Czyzewski, R. *see* Adamski, P. 9—94900
Czyzewski, T., Sowinski, M., Tys, J., Dudek, J. Neutron-induced fission of lead isotopes 9—67784

Da, R.N. Exact solution of the transport equation for imperfect Rayleigh scattering in a semi-infinite atmosphere 9—75094
Da Costa, G.S. The structure and stellar content of globular clusters. I. Surface-brightness profiles for four southern clusters 9—71078
Da Costa, L.Nicolaci *see* Nicolaci Da Costa, L.
Da Costa Viana, C.S., Davies, G.J., Kallend, J.S. The prediction of earing behaviour and formability limits from texture data 9—91703
da Gama, M.M.Telo *see* Telo da Gama, M.M.
Da Hsuan Feng *see* Agarwal, G.S. 9—59663
Da Hsuan Feng *see* Gilmore, R. 9—85404
Da Jornada, E.H., Gaffey, J.D., Jr., Caponi, M.Z. Acoustic instabilities and plasma heating resulting from energetic ion beam injection 9—60154
da Jornada, J.A.H. *see* Baumvol, I.J.R. 9—78588
Da Prato, G., Iannelli, M., Tubaro, L. Linear stochastic differential equations in Hilbert spaces 9—63148
Da Ronch, A., Radu, H., Caldesi-Valeri, V. Computer simulation of calcium-induced myotonia 9—57633
da Silva, A.Ferreira *see* Ferreira da Silva, A.
Da Silva, A.T.S.Ferreira *see* Ferreira Da Silva, A.T.S.
da Silva, C.E.T.Concalves *see* Concalves da Silva, C.E.T.
da Silva, C.E.T.Goncalves *see* Goncalves da Silva, C.E.T.
da Silva, E.C., Torriani, I.C.L., Leite, N.F., Evora, C., Vargas, H. Bleaching and annealing experiments of the (Cl_2^-) center in irradiated cadmium chlorate 9—91476
Da Silva, E.Z., Gyorffy, B.L. On the fluctuation magnetoconductivity of an anisotropic dirty superconductor 9—56393
da Silva, E.Z., Gyorffy, B.L. Theory of magnetoconductivity induced by superconducting fluctuations in anisotropic bulk and fibrous samples 9—95545
da Silva, M.R.M.Crespo *see* Crespo da Silva, M.R.M.
da Silva, W.M., Jr., Som, M.M. The singularity in axially symmetric fields 9—71327
da Silva, X.A. *see* Palermo, L. 9—56176
da Silveira, A. Dirac-like equation for the photon 9—58914
da Silveira, R. On a topological classification of the mass-yield curves of fission fragments 9—76043
Da-chun Pu *see* Pu Da-chun
Da-Hai Wang *see* Wang Da-Hai
Da-nian Yeh *see* Yeh Da-nian
Da-San Zhan *see* Zhan Da-San
Da-Wei Xue *see* Xue Da-Wei
Da-You Ma *see* Ma Da-You
Da-yu Yang *see* Yang Da-yu
Da-Yuan Shih, Ficalora, P.J. The effect of hydrogen on the rate of formation of intermetallics in the Cu-Sn, Ag-Sn and Ni-Sn systems 9—90819
Da-zhou Li *see* Li Da-zhou
Da-zun Zhao *see* Zhao Da-zun
Daal, H.J.Van *see* Van Daal, H.J.
Daams, J.M., Carbotte, J.P., Baquero, R. Critical field and specific heat of superconducting Tl-Pb-Bi alloys 9—73631
Daams, J.M. *see* Lie, S.G. 9—56368
Daams, J.M. *see* Liu, K.L. 9—56497
Dabagyan, A.A., Movsesyan, M.E., Movsesyan, R.E. Time-varying magnetic moment induced in Rb vapour by laser radiation 9—68327
Dabas, R.S. *see* Dutta, H.N. 9—88527
Dabek, J.T. *see* Dyson, N.A. 9—53291
Dabek, J.T. *see* Hyvonen-Dabek, M. 9—92449
Dabek, J.T. *see* Vartsky, D. 9—92441
Dabkiewicz, P., Buchinger, F., Fischer, H., Kluge, H.-J., Kremmling, H., Kuhl, T., Muller, A.C., Schuessler, H.A. Nuclear shape isomerism in ^{185}Hg detected by laser spectroscopy 9—49576
Dabosi, F. *see* Chatainier, G. 9—52423
Daboul, J., Rek, Z.J. High energy pp scattering in the additive eikonal quark model 9—67606
Dabringhaus, H. *see* Meyer, H.J. 9—69237
Dabrowska, H. *see* Kwiatkowski, E. 9—61413
Dabrowski, H. *see* Planeta, R. 9—93640
Dabrowski, J., Piechocki, W. The Jackson-Feenberg form of the kinetic energy in the chain and FHNC approximations 9—67681
Dabrowski, J., Piechocki, W. The Jackson-Feenberg form of the kinetic energy of fermions in the chain, hypernetted chain, and Percus-Yevick approximations 9—93035
Dabrowski, R. *see* Zielinski, J. 9—82947
Dacal, A. *see* Ortiz, M.E. 9—67769
Dachev, Ts.P. *see* Gdalevich, G.L. 9—84566
Dachille, F. *see* Shimada, M. 9—87596
Dachs, H. Principles of neutron diffraction 9—60226
Dachs, H. *see* Millhouse, A.H. 9—78371
Dachs, H. *see* Smit, J.G. 9—51017
Dachs, H. *see* Steiner, M. 9—51753
Dachs, H. *(editor)* Neutron diffraction 9—60225
Dacol, D.K. A comment on functional integrals and many-body systems 9—80506
Dacol, F.H. *see* Burns, G. 9—99880
Dacol, F.H. *see* Pinczuk, A. 9—51230
Dacorogna, M. *see* Peter, M. 9—65582, 9—87187
Dacquino, G.F. *see* Biondi, E. 9—74636
Dacre, P.D. Configuration interaction calculations of the helium pair potential including CI superposition corrections 9—72382
Dacroogna, M. *see* Abud, M. 9—71774
Dadaev, A.N. A search for emission sources in the system of β Lyrae 9—92802
Dadaev, A.N. Peculiarities of the system of beta Lyrae. I 9—97036
Dadamirzaev, G. Thermophotoelectric effects in a p-n junction with hot carriers 9—73576
Dadashev, A.Sh. The optimization of the tangent tensions at the irregularly rotating disks of variable thickness 9—50609
Dadashev, R.S., Utyamyshev, R.I., Grishin, A.N. Basic directions of the metrological-provision program for measurements in medicine and biology 9—96700
Dadashev, R.S., Utyamyshev, R.I., Grishin, A.N. Scientific research in the sphere of medical and biological measurements 9—96703
Dadashev, R.S. *see* Grishin, A.N. 9—96701
Dadashev, R.S. *see* Utyamyshev, R.I. 9—96699, 9—96702
Dadashyan, K.Yu., Horuzhy, S.S. Algebras of observables of the free Dirac field 9—58883
Dadashyan, K.Yu., Horuzhy, S.S. Simplicity of the quasilocal algebra of the system of canonical anticommutation relations with compact gauge group 9—89069
Dadayan, M.A. *see* Tsofina, L.M. 9—53070
D'Adda, A., Di Vecchia, P., Luscher, M. Confinement and chiral symmetry breaking in CP^{n-1} models with quarks 9—54302
Dadhich, N. Spacelike geodesics in the Nordstrom geometry 9—88852
Dadic, I., Pisk, K. Self-generating discrete-space structure 9—93276
Dadivanyan, A.K. *see* Aslanyan, W.M. 9—51941
Dado, S. *see* Berny, L. 9—63524
Dael, A. *see* Bibet, D. 9—54641
Dael, H.Van *see* Van Dael, H.
Daele, J.Van *see* Van Daele, J.
Daems, G. *see* Baribaud, G. 9—72209
Daenen, T.E.G. Cyclic reaction mechanism in the electrodeposition of aluminium 9—83143
Daetwyler, K. *see* Sasso, G.G. 9—83135
Dafinova, R. *see* Kovatcheva, R. 9—100319
Dafinova, R. *see* Rashev, Ts. 9—82259
Dafni, E. *see* Mahnke, H.-E. 9—56647
Daftari, I.K., Badyal, S.K., Gupta, V.K., Koul, G.L., Kour, B., Prakash, Y., Rao, N.K., Sharma, S.K., Singh, G. Study of particle production through clusters in proton-nucleus interactions at 200 GeV/c 9—89302

Dagan, G. A note on packer, slug, and recovery tests in unconfined aquifers 9—79904
Dagan, G. *see* Stiassnie, M. 9—64681
Dagan, J., Levi, U. The cardiovascular system simulated mathematically for normal and defective states 9—57700
Dagazian, R.Y. *see* Freidberg, J.P. 9—64897
Dagdigian, P.J. Ground state dipole moment of NaH 9—98243
Dagdigian, P.J., Doering, J.P. Measurement of the rotational energy distribution of ground state N_2^+ ions from H_2^+-N_2 collisions by laser-induced fluorescence 9—76507
Dagdigian, P.J., Wilcomb, B.E., Alexander, M.H. LiH state-to-state rotationally inelastic cross sections in collisions with HCl and DCl 9—98200
Dagenhart, W. *see* Eubank, H. 9—82074
Dagenhart, W.K. *see* Menon, M.M. 9—76238
Dagenhart, W.K. *see* Stirling, W.L. 9—68117, 9—97920
Dagens, L. Electronic states of the dilute transition metal-simple metal alloy according to the resonant model potential method 9—77995
Daglish, J. High-level waste management research 9—49703
Dagnino, I. *see* Elena, A. 9—100997
D'Agostino, P., D'Amico, V., Fazio, G., Mezzanares, F. Kinematics of the $P+T \rightarrow A_i+A_{jk} \rightarrow A_i+A_2+A_3$ type reactions in the RCS 9—67484
D'Agostino, R. *see* Cramarossa, F. 9—64934
DaGue, M.G., Landers, J.S., Lewis, H.L., Dye, J.L. Alkali metal anions and trapped electrons formed by evaporating metal-ammonia solutions which contain cryptands 9—100340
Daguenet, M. *see* Spinner, B. 9—52133
Dagys, R.S. *see* Sargautis, A.J. 9—69668
Dahit, N.D. *see* Agha, N.H. 9—88189
Dahl, C.E., Levine, R.P. Electron spin resonance studies on interaction of complement proteins with erythrocyte membranes 9—100584
Dahl, F.-E. On the existence of a deep countercurrent to the Norwegian coastal current in Skagerrak 9—79873
Dahl, J.P. *see* Shim, I. 9—59535
Dahl, P. *see* Bleser, E. 9—68089
Dahl, P. *see* McInturff, A.D. 9—68088
Dahl, P.F. *see* Kaugerts, J. 9—76197
Dahl, R.E. *see* Nyman, D.H. 9—89478
Dahl, W. *see* Redmer, J. 9—72823
Dahl-Jensen, E. *see* Albrow, M.G. 9—75805
Dahl-Jensen, I. *see* Albrow, M.G. 9—75805
Dahlback, N., Nilsson, P.O., Pessa, M. Ultraviolet photoemission from Pd(111) 9—95902
Dahlback, N. *see* Nilsson, P.O. 9—52080
Dahlbacka, G. *see* Burkhalter, P. 9—55457
Dahlberg, D.A. *see* Mohr, A.J. 9—74499
Dahlberg, E.D., Orbach, R.L., Schuller, I. Microwave-induced effects on superconductors 9—87202
Dahlberg, R. An optimized speed-controlled suspension of a 2-DOF vehicle travelling on a randomly profiled road 9—72847
Dahlberg, R.C. *see* Baxter, A.M. 9—49674
Dahlberg, R.C. *see* Rickard, C.L. 9—59248
Dahlberg, S.C. Characterization of the electron interaction with ZnSe surface states by the photovoltaic modulation of low-energy-electron transmission 9—60896
Dahlberg, S.C. Increasing the optical modulation of low energy electron transmission by the deposition of copper phthalocyanine dye on Si(111) 9—69939
Dahlberg, S.C. Optical modulation of low-energy-electron transmission: ZnO 9—83070
Dahlberg, S.C., Musser, M.E. Increasing the optical modulation of the transmission of low energy electrons by the deposition of copper phthalocyanine dye on Si(111) 9—78133
Dahlberg, S.C., Musser, M.E. The effect of the central ligand on the surface photovoltage of phthalocyanine films 9—78231
Dahlborg, U., Dimic, V. Slow neutron scattering from oriented DNA films 9—57572
Dahlborg, U. *see* Soderstrom, O. 9—50983
Dahlen, F.A. The spectra of unresolved split normal mode multiplets 9—74845
Dahlen, F.A., Sailor, R.V. Rotational and elliptical splitting of the free oscillations of the Earth 9—88257
Dahler, J.S. *see* Andersen, N. 9—54955
Dahler, J.S. *see* Jhon, M.S. 9—57218, 9—73378, 9—74408
Dahler, J.S. *see* Nielsen, S.E. 9—98208
Dahlgren, S. *see* Hoistad, B. 9—59061
Dahlkamp, F.J. Uranium occurrences in northern Saskatchewan, Canada, and their mode of origin 9—84272
Dahlof, B. *see* Erdman, A.G. 9—92274
Dahm, A.J. *see* Brewer, D.F. 9—51388
Dahm, A.J. *see* Lau, S.C. 9—56020
Dahm, A.J. *see* Mehrotra, R. 9—55953, 9—86940, 9—86949
Dahm, T.J. *see* Anderson, A.D. 9—55387
Dahme, W. *see* Alder, J.-C. 9—85381
Dahme, W. *see* Gabioud, B. 9—67600
Dahme, W. *see* Strassner, G. 9—89280
Dahmen, H.D., Nolle, J., Schulke, L. Flavour $SU_3 \times U_1$ gauge model with fundamental triplets and singlets 9—97554
Dahmen, U., Thomas, G. Significance of oxygen on interstitial ordering in tantalum (the $Ta_{64}C$ artifact) 9—99185
Dai Bang-wen Discussion on directional fluctuation law of laser-beam propagation through the atmosphere 9—96824
Dai Fu-lung, Chung Kuo-cheng Holo-photoelastic method for three-dimensional stress analysis 9—72866
Dai Gen-Hua *see* Ma Da-You 9—50785, 9—55367
Dai Hai-Lung *see* Hai-Lung Dai
Dai Jia-xi *see* Lu Long-hua 9—92568
Dai Li-sheng *see* Zhao Jin Zhao 9—81459
Dai Lo Sheng *see* Lo Sheng Dai
Dai Wen-sai, Hu Zong-wei A few cosmogonical conclusions drawn from the discovery of Pluto's satellite 9—84744
Dai Yuan-ben *see* Chou Kuan-chao 9—49091
Daichik, M.L., Lakin, Yu.G., Polyakov, A.L., Fetisov, B.V. Using strain gauges in a reactor experiment 9—49648
Daido, H., Tomita, K. Thermal fluctuation of a self-oscillating reaction system entrained by a periodic external force 9—66338
Daido, Y., Miyauchi, E., Iwama, T., Otsuka, T. Determination of modal power distribution in graded-index optical waveguides from near-field patterns and its application to differential mode attenuation measurement 9—81518
Daidoji, H., Ishida, N., Suzuki, T., Honma, A. Application of new continuous light source in ultraviolet and visible wavelength region 9—80702
Daigle, G.A., Embleton, T.F.W., Piercy, J.E. Some comments on the literature of propagation near boundaries of finite acoustical impedance 9—98525
Daiguji, H. Numerical solution for the time-dependent two-dimensional viscous flows past obstacle. I. Duct flow with an oscillating plate 9—50794
Daiker, K.C. *see* Politzer, P. 9—63885
Daikoku, K. *see* Imoto, N. 9—90020
Daikoku, K. *see* Sugimura, A. 9—50395
Daillet, S. Perspectives of progress in the study of the rotation of the Earth thanks to developments in space technology 9—74827
Daily, J.W. *see* Chan, C. 9—92033
Daily, W.D., Dyal, P. Magnetometer data errors and lunar induction studies 9—96932
Daimon, K. *see* Kato, E. 9—87606, 9—91934
Daimon, M., Nakashima, S., Mitsuishi, A. Light scattering study of ferroelastics Hg_2Br_2 9—95770
Daimon, M. *see* Nakashima, S. 9—99884
Dainty, J.C., Greenaway, A.H. Estimation of spatial power spectra in speckle interferometry 9—76608
Dainyak, B.A. *see* Kostikov, V.I. 9—69298
Daisey, J.M., Leyko, M.A. Thin-layer gas chromatographic method for the determination of polycyclic aromatic and aliphatic hydrocarbons in airborne particulate matter 9—79434
Dajani, T. *see* Roe, K.K. 9—97845
Dajlevic, D. *see* Allard, P. 9—57912
Dak Sze Nien *see* Nien Dak Sze
Dake, S., Hatano, Y., Jitsuno, K., Hazama, M., Nakanishi, Y., Nishikawa, K., Sakata, M., Yamamoto, Y. Simultaneous detection of γ-ray bundles and air showers 9—62700
Dake, S. *see* Kitajima, T. 9—62702
Dake, S. *see* Yamamoto, Y. 9—62701
Dakhtyar, I.Ya., Madatova, E.D., Severyanina, E.N., Adonkin, V.T., Likhtorovich, S.P., Rafalovskii, V.A. Application of positron annihilation method to the study of dielectric materials 9—91527
Dakin, J.T. *see* Martin, J.F. 9—89167
Dakubu, T. The effect of absorber position on beta particle attenuation 9—54753
Dal Borgo, A., Di Lionardo, G., Scappini, F., Trombetti, A. Centrifugal distortion analysis of thionylimide, HNSO 9—59438
Dalal, R.C. The effect of some meteorological parameters on the chemical composition of precipitation at the University Field Station, Trinidad, West Indies 9—79945
Dalal, V.L., Rothwarf, A. Comment on 'A simple measurement of absolute solar cell efficiency' 9—83597
Dalbiez, J.P. *see* Bretheau-Raynal, F. 9—61365
Dalby, F.W. *see* Tai, C. 9—93984
Dale, B.W., Dickinson, R.J., Parish, R.V. Quadrupole splitting in the nickel-61 Mossbauer spectrum of a square-plane complex 9—76456
Dale, G. *see* Lang, J. 9—62319
Dale, J.D. *see* Clements, R.M. 9—63297
Dale, P. The number of infinite red-shift surfaces of the generalised Kerr-Tomimatsu-Sato metric 9—58602
Dale, R.E., Eisinger, J., Blumberg, W.E. The orientational freedom of molecular probes. The orientation factor in intramolecular energy transfer 9—62168
Dale, R.M., Herman, M., Johns, J.W.C., McKellar, A.R.W., Nagler, S., Strathy, I.K.M. Improved laser frequencies and Dunham coefficients for isotopically substituted carbon monoxide 9—64207
Dalen, G.Van *see* Van Dalen, G.
Daley, C.G., Nelson, A.D., Leighton, R.F., Gupta, M., Andrews, L.T. Abnormal left ventricular contraction patterns in patients with coronary artery disease 9—83930
Daley, D.J. Lattice-valued random walks with Markov chain dependent steps 9—71377
Daley, P.F., Hron, F. Reflection and transmission coefficients for seismic waves in ellipsoidally anisotropic media 9—84136
Dalgaard, E. Expansion and completeness theorems for operator manifolds 9—59331
Dalgaard, E. A quadratically convergent reference state optimization procedure 9—97966
Dalgarno, A. *see* Butler, S.E. 9—59550
Dalgarno, A. *see* Constantinides, E.R. 9—96847
Dalgarno, A. *see* Heil, T.G. 9—97969
Dalgarno, A. *see* Kirby, K. 9—68272
Dalgarno, A. *see* Uzer, T. 9—54924, 9—86014
Dalgas, D.R. *see* Haight, R.C. 9—97957
Dalgetty, R.G., Harbort, R.A., Jr. ECG monitor interference from patient call systems 9—74776
Dalgleish, B.J., Fakhr, A., Pratt, P.L., Rawlings, R.D. Fracture toughness of alumina 9—70234
Dalhed, H.E. *see* Johnson, J.L. 9—82091
D'Ali, G. *see* Basile, M. 9—76275
Dali, T.R. *see* Chato, J.C. 9—58734
Dalidchik, F.I. On the multiple scattered wave method in the theory of the electronic structure of molecules (taking into account the forces in the 'interatomic' region) 9—59325
Dalitz, R.H. Overview of K^--nuclear reactions 9—85339
Daljit Singh, Gupta, Y.P. Transient behaviour of collector-cum-storage type of solar water heater 9—62088
Dal'karov, O.D., Ksenzov, V.G. Annihilation cross section of $e^+e^- \rightarrow$hadron near the NN-threshold 9—85311
Dall, H.E., Whippey, M.R. Filter type solar prominence telescope for amateurs 9—84670
Dalla Lana, I.G. *see* Fiedorow, R. 9—56070
Dallarosa, J. *see* Bischel, W.K. 9—83478
Dallarosa, J. *see* Eggleston, J. 9—86165
Dallas, W.J. Artifact-free region-of-interest reconstruction from coded-aperture recordings 9—89863
Dallas, W.J. *see* Linde, R. 9—76647
Dallek, S. *see* Kilroy, W.P. 9—52919
Dallic, G.Le *see* Le Dallic, G.
Dallinger, R.F., Stein, P., Spiro, T.G. Resonance Raman spectroscopy of uranocene: Observation of an anomalously polarized electronic band and assignment of energy levels 9—59451
Dallinger, R.F., Woodruff, W.H., Rodgers, M.A.J. Picosecond resonance Raman spectroscopy 9—98102
Dallman, J.C., Kirchner, W.L., Starkovich, V. De-entrainment phenomena from droplet cross flow in vertical rod bundles 9—89430
Dall'Olmo, U. An additional list of auroras from European sources from 450 to 1466 AD 9—75010
Dallos, P. *see* Killion, M.C. 9—96571
Dallos, P. *see* Ryan, A. 9—96564
Dally, J.W., Sanford, R.J. Classification of stress-intensity factors from isochromatic-fringe patterns 9—55339
Dally, J.W. *see* Sanford, R.J. 9—77030
Dalmas, J. *see* Rigaud, F. 9—93617
Dalmases, F., Diez, R., Romero, M.C., Senent, F. Influence of jet stream on the evolution of the environmental radioactive contamination 9—100549
Dalmases, F., Senent, F., Diez, R., Romero, M.C. Effects of the washout by rain on fission products for conditions of radioactive contamination fallout 9—92399
Dalrymple, G.B. *see* Mankinen, E.A. 9—57851
Dalrymple, J.B. *see* Hall, N.W. 9—80040
Dalrymple, M., Senderowicz, D., Brodersen, R.W. Pitch extraction using MOS-LSI circuitry 9—64428
Dalrymple, R.A., Liu, P.L.-F. Waves over soft muds: a two-layer fluid model 9—79862
Dal'shchikov, E.V. *see* Bondarenko, A.V. 9—55582, 9—99010
Daltabuit, E. *see* Boggess, A. 9—71149
Dalton, B.J. New nonlinear realizations of SL(2,C) 9—88828
Dalton, B.J. Theory of cascade effects on quantum beats 9—89631
Dalton, B.J. *see* Grimes, S.M. 9—71791
Dalton, J.T. *see* Malow, G. 9—49790
Dalton, L.R. *see* Balasubramanian, K. 9—93189
Dalton, L.R. *see* Beth, A.H. 9—98124
Dalun Mo *see* Mo Dalun
Daly, B.J. The sensitivity of emergency core coolant bypass and lower plenum refill to apparatus scale size and lower plenum pressure in a pressurized water reactor 9—97827

Daly, D.A., Kimbarow, M.L. Stuttering as operant behavior: effects of the verbal stimuli wrong, right, and tree on the disfluency rates of school-age stutterers and nonstutterers 9—57677
Daly, D.T. *see* Szycher, M. 9—92433
Daly, J.C. Solar concentrator flux distributions using backward ray tracing 9—98457
Daly, L. Thellier-Neel's laws. Distinction between juxtaposed and superimposed magnetizations 9—84229
Daly, M.J., Jones, W., Rudd, T.G., Tremann, J. Differential renal function using technetium-99m dimercaptosuccinic acid (DMSA): in vitro correlation 9—79639
Daly, P.J. *see* Kleinheinz, P. 9—49571
Daly, P.J. *see* LoVecchio, P. 9—94324
Daly, R.T., Haumann, J.R., Kraimer, M.R., Lenkszus, F.R., Lidinsky, W.P., Morgan, C.B., Rutledge, L.L., Rynes, P.E., Tippie, J.W. Data acquisition and control system for the IPNS time-of-flight neutron scattering instruments 9—89558
Dam, H.Van *see* Van Dam, H.
Dam, J. *see* van Ormondt, D. 9—87070
Dam, P., Hagberg, E., Jonson, B. A compact tape transport station for on-line studies of short-lived nuclides 9—68116
Dam, P.Van *see* Van Dam, P.
Dam, R.Th.van *see* van Dam, R.Th.
Dam, S.H., Edge, R.D., Preedom, B.M., Bertrand, F.E., Gross, E.E., Blecher, M., Gotow, K., Burman, R.L., Carlini, R., Hamm, M.E., Redwine, R.P., Yates-Williams, M.A., Moinester, M. π^+ and π^- elastic scattering from ^{40}Ca at 65 MeV 9—85536
Damadian, R., Goldsmith, M., Minkoff, L. NMR in cancer. XX. FONAR scans of patients with cancer 9—62327
Damamme, G. Generalised deformation minimum of a material element when the deformation passes from an initial to a final state 9—53977
Damany, N. *see* Larzilliere, M. 9—54831
Damaschun, G. *see* Muller, J.J. 9—60215
Damask, A.C. *see* Elnahwy, S.A. 9—60709
Damask, A.C. *see* Guinan, M.W. 9—63810
Damaske, D. Magnetospheric modulation of geomagnetic activity. II. Harmonic analysis of linear indices am, an, and as 9—66605
Damaske, D. On the annual wave of hemispheric geomagnetic activity 9—66615
Damaskinsky, E.A. *see* Alkhazov, G.D. 9—80938
D'Amato, D.P. *see* Joyner, R.L. 9—83776
D'Amato, S.S. Eigenvalues of graphs with twofold symmetry (molecular configuration) 9—72437
Damay, P., Chieux, P. On the application of neutron small angle scattering to the study of fluctuations near the liquid-liquid critical point in binary mixtures 9—82347
Damboldt, Th. HF short-term field-strength predictions and their agreement with observations 9—58180
D'Ambrosio, C., Powers, L. Optical studies of the phase behavior of monodomain samples of dipalmitoyl phosphatidylcholine containing calcium chloride 9—83712
Damburg, R.J., Kolosov, V.V. A hydrogen atom in a uniform electric field. III 9—89634
Damen, H., Henneberg, D., Weimann, B. SISCO-M—a new library search system for mass spectra 9—49329
Damen, J.P.M., Robertson, J.M., Huyberts, M.A.H. Thin film growth of $(Mn_xZn_{1-x})Fe_2O_4$ by liquid phase epitaxy on Bridgman grown Zn_2TiO_4 substrates 9—100065
Damgaard, G. *see* Albrow, M.G. 9—75805
Damgaard Andersen, J. *see* Gymoese, E. 9—70663
Damgov, V.N., Rzhevkin, K.S. Minority carriers charge-accumulation effect on the parameters of semiconducting diodes in radiophysical devices. II. Diffusion conductivity of the p-n junction at large signal amplitudes and high frequencies 9—73569
Damia Torres, J.A., Baker, R.C. A time marching, finite area calculation of general quasi-one-dimensional flows 9—81912
Damian, I. *see* Borneas, M. 9—71325
D'Amico, A. *see* Balestrino, G. 9—58790
D'Amico, E. *see* Bossart, R. 9—86119
D'Amico, V. *see* D'Agostino, P. 9—67484
Damien, D. *see* Hery, Y. 9—65641
Damien, J.C., Fouret, R., Currat, R. Dynamical properties of a disordered crystal: adamantane—$C_{10}D_{16}$ 9—73266
Damien, J.C., Lefebvre, J., Currat, R., Hennion, B. Study of $C_{10}D_{16}$ dynamics in the plastic phase by neutron scattering 9—51222
Damir, M.N.H. Study of the deformation due to press-fitting a thick cylinder into an outer housing of octagonal form 9—50603
Damle, H.G., Katti, S.S. Potentiometric, conductometric and thermodynamic studies of molten silver iodide+lead iodide mixtures 9—86914
Dammann, H. Spectral characteristic of stepped-phase gratings 9—76846
Damme, W.Van *see* Van Damme, W.
Dammertz, G. *see* Citron, A. 9—81113
Damodaran, C., Shanmugasundaram, E.R.B. Distribution of radioactive citrinin in tissues and serum protein(s) 9—53292
Damon, E. *see* Bottenheim, J.W. 9—50042
Damon, E.K. *see* Collins, S.A., Jr. 9—76871
Damon, E.K. *see* Peterson, J.C. 9—50011
Damopolii, J. *see* Sobur, A.S. 9—53556
D'Amore, F., Sabroux, J.C., Zettwoog, P. Determination of characteristics of steam reservoirs by radon-222 measurements in geothermal fluids 9—74918
d'Amour, H. *see* Denner, W. 9—51249
Dampier, F.W. Corrosion-resistant materials for organic electrolyte lithium secondary batteries 9—100387
Damschen, D.E. *see* Anderson, R.W., Jr. 9—89683
Dan-di Wu Where is the origin of CP violations? 9—85243
Dan-Di Wu *see* Wu Dan-Di
Dana, S.S. *see* Davidov, D. 9—73297
Dana, S.S. *see* Litster, J.D. 9—95129
Danagulyan, S.S. *see* Avakyan, R.O. 9—59051
Danard, M.B. *see* Subbarao Maddukuri, C. 9—66750
Danby, G. *see* Allinger, J. 9—76203
Dance, B. Practical uses for the Wiegand effect 9—81322
Dance, J.-M., Fournes, L., Tressaud, A., Soubeyroux, J.-L. One-dimensional magnetism in the fluoride chains $CaCrF_5$ and $CaFeF_5$ 9—73670
Dance, M. MPUs allow high precision thermometry 9—54130
Dandekar, B.S. *see* Pike, C.P. 9—96853
Dandl, R.A. *see* Uckan, N.A. 9—76120
Dandliker, R. Application of generalized phase control during reconstruction to flow visualization holography: comments 9—94742
Dandliker, R., Eliasson, B. Accuracy of heterodyne holographic strain and stress determination 9—94562
D'Andrea, A., Del Sole, R. Excitons in semi-infinite crystals: microscopic calculation of optical reflectivity 9—69430
Dandridge, A., Meeten, G.H., Layec-Raphalen, M.N., Wolff, C. Flow birefringence of dilute solutions of polyethyleneoxide of high molecular weight at high rates 9—81834
Dandwate, V.D., Puntambekar, P.N., Sen, D. Iodine stabilised He-Ne laser 9—68380
Danean Yeh *see* Yeh Danean
Daneels, A. *see* Baribaud, G. 9—72209
Daneliya, E.P., Teplitskii, M.D. Structure and coalescence of titanium, silicon, and iron oxide particles in a copper matrix 9—90781
Daneliya, E.P., Teplitskii, M.D., Solopov, V.I. Morphology of precipitates and dispersion hardening in internally oxidised alloys of the system copper-aluminium-titanium-zirconium 9—52217
Daneliys, E.P., Teplitskii, M.D. Morphology, structure, and singularities of the precipitation of particles in internally oxidised alloys of copper with titanium, chromium, and iron 9—70067
Danelyus, R., Kabelka, V., Piskarskas, A., Smil'gyavichyus, V. Tunable parametric single-pulse picosecond light source with 50% efficiency 9—59765
Danelyus, R.V. *see* Akhamnov, S.A. 9—92182
Danen, W.C. *see* Lyman, J.L. 9—100408
Danescu, A. *see* Tanasescu, E. 9—64302
Danescu, Al., Petrescu, St., Dimitriu, S., Brusalis, T. Problems about the utilization of solar energy in the thermal installations 9—52884
Danese, L. *see* Cavaliere, A. 9—71134
Daneshi, G.H. An analysis of the yield criteria and the stress-strain relationships of a pre-strained commercially pure aluminium 9—57051
Daneshyar, H., Mugglestone, P.R. An integral method for calculating the development of a turbulent boundary layer with a fluctuating mainstream 9—94597
Daney, D.E., Ludtke, P.R., Jones, M.C. An experimental study of thermally-induced flow oscillations in supercritical helium 9—82404
Danforth, S.C., Flint, J.H., Cannon, W.R., Haggerty, J.S. Laser synthesis of silicon nitride powders 9—74119
Danforth, S.C. *see* Jennings, H.M. 9—55685
Dang, L.S. *see* Simkin, D. 9—99922
Dang Tran Quan *see* Raoult, F. 9—95532
Dang Vi-Duong *see* Vi-Duong Dang
Dang Vinh Luu *see* Luu Dang Vinh
Dang-Nhu, M., Pine, A.S., Robiette, A.G. Spectral intensities of the ν_3 bands of $^{12}CH_4$ and $^{13}CH_4$ 9—98069
Dangelmayr, G., Veit, W. Semiclassical approximation of path integrals on and near caustics in terms of catastrophes 9—53992
D'Angelo, N., Goertz, C.K. An interpretation of Akasofu's substorm parameter 9—75053
D'Angelo, N. *see* Alport, M.J. 9—50864
D'Angelo, N.D., Joyce, G., Pesses, M.E. Landau damping effects on solar wind fast streams 9—53691
D'Angelo, S. *see* Esposito, B. 9—63489
Dangoisse, D., Willemot, E., Beilet, J. Microwave spectrum of the ν_5 and ν_6 vibrationally excited states of HDCO 9—72304
Dangoisse, D. *see* Willemot, E. 9—93987
Danh Tran Van *see* Tran Van Danh
Daniel, H. Coulomb capture of muons and atomic radius 9—64124
Daniel, H. Influence of chemical environment on lifetimes in nuclear physics 9—75911
Daniel, H., Huenges, E., Kienle, P., Morinaga, H., Nolte, E., Scheerer, J., Schott, W., Trinks, U., Zech, E., Zierl, R. Superconducting sector cyclotron SUSE for the Munich Tandem Laboratory 9—68014
Daniel, H. *see* Bergmann, R. 9—68335
Daniel, H. *see* Naumann, R.A. 9—65133
Daniel, I.M., Liber, T., LaBedz, R.H. Wave propagation in transversely impacted composite laminates 9—83295
Daniel, J.H. *see* Alexander, P. 9—87948
Daniel, J.L. *see* Freshley, M.D. 9—49684
Daniel, K.J., Laurendeau, N.M., Incropera, F.P. Prediction of radiation absorption and scattering in turbid water bodies 9—81704
Daniel, M.F., Leadbetter, A.J., Wright, A.C., Sinclair, R.N. The structure of vapour-deposited arsenic sulphides 9—60654
Daniel, P.R. *see* Bussey, P.J. 9—75778, 9—80829
Daniel, R.R. *see* Appa Rao, M.V.K. 9—84636
Daniele, J.J. *see* Asbeck, P.M. 9—89954, 9—98359
Daniele, R. Wave functions and effective potentials of alkalilike ions. I. Lithiumlike ions 9—68182
Danielewicz, E.J., Galantowicz, T.A., Foote, F.B., Reel, R.D., Hodges, D.T. High performance at new FIR wavelengths from optically pumped CH_2F_2 9—94220
Danielius, R., Dikcius, G., Kabelka, V., Piskarskas, A., Stabinis, A., Jaseviciute, J. Picosecond spectroscopy of parametric superluminescence 9—55187
Daniell, R.E., Jr. *see* Brace, L.H. 9—80256
Daniell, R.E., Jr. *see* Cloutier, P.A. 9—84624
Daniello, L., Iordache, D., Lupascu, A. On the physical characterization of the dispersion properties of the radiofrequency ferrimagnetic materials 9—73772
Daniels, J.M. Elementary treatment of some difficulties in the construction of irreducible representations of the rotation group in terms of products of the spin-1/2 representation 9—58488
Daniels, T.C., Williams, R.J. The effect of external boundary conditions on condensation heat transfer in rotating heat pipes 9—94612
Daniels, W., Yersin, H., von Philipsborn, H., Gliemann, G. X-ray diffraction and spectroscopic investigations of phase transitions in linear chain compounds $M_2[Pt(CN)_4]_3.21H_2O$, with M = Dy, Er, Tb, Y 9—60506
Daniels, W.B. *see* Cladis, P.E. 9—77730
Daniels, W.B. *see* Guillon, D. 9—99061
Daniels, W.B. *see* Keyes, P.H. 9—95135
Daniels, W.B. *see* Medina, F.D. 9—65849
Danielsson, L., Lundgren, S. Measurements of velocity distribution and profile of rotating annular jets 9—50829
Danielsson, U. Simple apparatus based on a programmable calculator for measuring energy expenditure in man 9—92415
Danielyan, G.L. *see* Shorygin, A.P. 9—52681
Danil'chenko, B.A., Poroshin, V.N., Sarbei, O.G. Observation of second sound in sapphire 9—99273
Danil'chik, L.N., Kaloshkin, E.P., Korolev, N.A., Ignasheva, A.V., Skutova, M.S. Use of methods of nondestructive monitoring for observation of microscopic inclusions in silicon 9—55749
Danileiko, M.V., Dvoeglazov, A.M., Kostyshin, A.M., Tselinko, A.M., Shpak, M.T. Narrow nonlinear resonances in the standing wave field of He-Ne-T_2 laser at 0.63 μm 9—59672
Danileiko, M.V., Nedavnii, A.P. Resonance phenomena in ring lasers with nonlinear absorption. II. Application of nonlinear resonances in quantum electronics and laser spectroscopy 9—94261
Danileiko, Yu.K., Manenkov, A.A., Sidorin, A.V. Photoconductivity of germanium excited by radiation of a pulsed CO_2 laser 9—69548
Danilenko, B.N. *see* Andreev, Yu.A. 9—55040
Danilenko, G.N., Shevchenko, V.Ya., Marenkin, S.F., Karapet'yants, M.Kh. Thermodynamic properties of CdSb and ZnSb 9—77767
Danilenko, V.M., Krasil'nikov, V.S., Larikov, L.N. Model based on substitutional solid solution of an inert gas in a metal in a gas discharge 9—65202
Danilenko, V.M., Minakov, V.N. Modelling of the kinetics of the formation of austenite during accelerated heating of iron and its alloys 9—70058
Danilenko, V.M., Nesterenko, E.G. Influence of ordering on the Curie temperature in the ternary system Fe-Ni-Al 9—61101
Danilenko, V.M. *see* Larikov, L.N. 9—87666
Danilenko, V.N., Kuznetsov, V.P., Matveev, S.V., Stepanov, E.K. Error in total-absorption peak location by gamma-spectrum linearization 9—68125
Danilenko, V.N. *see* Andreev, Yu.A. 9—68357
Danilevskii, L.D., Gol'dshtein, A.F., Vilyatser, V.A. Heat-treating apparatus 9—79005

Danilin, B.S., Sirchin, V.K. Magnetron systems for ion sputtering of materials 9—100050
Danilin, B.V. *see* Baz', A.I. 9—67732
Danilin, L.A., Malyugin, A.S., Petrosyants, S.A., Soshkin, S.V. Control of the dispersion of powdered tungsten anhydride by the reflectance of the powder surface in monochromatic light 9—96246
Danil'kevich, M.I., Litvinovich, G.V. Infrared reflection spectra, permittivity spectra, and effective ionic charges of cobalt iron gallates 9—69841
Danil'kevich, M.I. *see* Kononyuk, I.F. 9—52395
Danilkin, N.P., Denisenko, P.F., Vodolazkin, V.I., Sushchiy, S.M., Fayer, Yu.N. Effective electron collision frequency in the E region of the ionosphere 9—58153
Danilkin, N.P., Sushchiy, S.M., Sokolovskiy, V.I., Cherkashin, Yu.N., Fayer, Yu.N. Experimental study of the parameters of the frequency method of averaging a signal in the ionosphere 9—53628
Danilkin, N.P. *see* Biryukov, A.V. 9—80074
Danillychev, V.A. *see* Glotov, E.P. 9—59668
Danilov, A.P. *see* Polyakov, L.M. 9—52525
Danilov, M.A. *see* Tsvetnov, G.B. 9—68832
Danilov, M.M. *see* Andreev, V.N. 9—89339
Danilov, O.B., Tul'skii, S.A. Air breakdown by a long laser spark 9—64822
Danilov, O.B., Zhevlakov, A.P., Yachnev, I.L. Losses in the optical inhomogeneities of the active medium in a photodissociation laser 9—55129
Danilov, O.B. *see* Antonov, A.S. 9—72558
Danilov, O.B. *see* Belousova, I.M. 9—76712
Danilov, S.E. *see* Arakelov, A.G. 9—82256
Danilov, T.N. *see* Georgiev, M.N. 9—87710
Danilov, V.A., Zenchenko, S.A. Optical pulse generator utilizing a YAG:Nd laser 9—64260
Danilov, V.I., Zvonkov, B.N., Karpovich, I.A., Kuntsevich, T.S., Podol'skii, V.V. Growing single crystals of $CdSnP_2$ by means of a temperature gradient 9—56927
Danilov, V.M. Selection of a variant for the construction of an automatic solar stratospheric station 9—96913
Danilov, V.N. *see* Georgiev, M.N. 9—52375
Danilov, V.V., Zhurilenko, B.E., Sugakov, V.I. Propagation, interference, and relaxation of magnetostatic waves in ferrite rods 9—73704
Danilov, Yu.S. Method of testing specimens for low-cycle fatigue 9—52515
Danilova, E.M., Eglit, M.E. The motion of snow avalanches in the conditions of limiting friction 9—66717
Danilova, N.P. *see* Gaidukov, Yu.P. 9—91164
Danilova, V.M. *see* Bogach, P.G. 9—96512
Danilovich, N.N., Khuden'kikh, A.A., Kuz'kina, N.N. Distribution of nonmetallic inclusions in microcavities in rolled sheet 9—52265
Danilowicz, R., Kanney, L., Etters, R.D. Thermodynamic behavior of small Cl^-Ar_{N-1} ionic clusters 9—77769
Danilowicz, R. *see* Etters, R.D. 9—60601
Danilowicz, R.L., Etters, R.D. Atomic-hydrogen impurities in solid molecular hydrogen 9—69316
Danilychev, V.A., Zubkov, V.M., Kerimov, O.M., Milanich, A.I., Sagitov, S.I. Ultraviolet optical strength of interference coatings prepared by electron-beam evaporation 9—59779
Danilychev, V.A. *see* Basov, N.G. 9—89930
Danilychev, V.A. *see* Boiko, V.A. 9—90433, 9—90468
Daniluk, Yu.L. *see* Gurevich, G.M. 9—85196
Danino, M., Kaveh, M., Wiser, N. Non-alkali-metal behavior for lithium 9—60793
Danis, A., Voljin, V. Some considerations on the uranium content distribution in marine rocks 9—79809
Danishevskii, A.L. *see* Chukhovskii, F.N. 9—94855
Danishevskii, A.M. Spin orientation in lead telluride under two-photon pumping conditions 9—74000
Danishevskii, A.M. *see* Asnin, V.M. 9—73542
Danneker, Yu.A., Plotnikov, K.A. Properties of amorphous GeO_2 obtained by hydrolysis of $GeCl_4$ in an oxyhydrogen flame 9—95956
Danoff, J.V. Power produced by maximal velocity elbow flexion 9—57691
Danon, J. *see* Domingues, P.H. 9—99805
Danon, J. *see* Esquivel, D.M.S. 9—60777
Danon, J. *see* Filseth, S.V. 9—68275
Danor, R., Cheshnovsky, O., Even, U., Jortner, J. Localized states in disordered mercury-xenon mixtures 9—61452
Danot, M. *see* Colombet, P. 9—52636, 9—69095, 9—91314
Danoy, G. *see* Merigoux, R. 9—73376
Danshin, A.E. *see* Alekseev, E.N. 9—80163
Dan'shin, N.K. *see* Galkin, A.A. 9—87320
Dante, H.M., Sarma, V.V.S. Automatic speaker identification for a large population 9—68504
Dante, H.M., Sarma, V.V.S., Dattatreya, G.R. Multistage decision schemes for speaker recognition 9—64435
Danto, Y., Poujade, G., Pistre, J.D., Lucat, C., Salardenne, J. A $Pb|PbF_2|BiF_3|Bi$ thin solid film reversible galvanic cell 9—52928
Danto, Y. *see* Segui, Y. 9—77821
D'Antona, F., Mazzitelli, I. White dwarf external layers. IV. Interpretation of spectra 9—62824
d'Antonio, P. *see* Lowrey, A.H. 9—59572
Dantsiger, A.Ya. *see* Fesenko, E.G. 9—87393
Dantzig, R.van *see* van Dantzig, R.
Dantzig, R.Van *see* Van Dantzig, R.
Danusso, F. *see* Ricco, T. 9—91824
Danziger, I.J. Supernova remnants in M33 9—53890
Danziger, I.J., Clark, D.H., Murdin, P. Filamentary velocities in supernova remnants 9—53889
Danziger, I.J., Fosbury, R.A.E., Goss, W.M., Ekers, R.D. The radio and optical properties of the Bl Lac object PKS 0521—36 9—84854
Dao, F.T. *see* De Clercq, C. 9—89188
Dao Nguyen Quy *see* Nguyen Quy Dao
Dao Viet, D. *see* Rihon, N. 9—100026
Dao-Fan Zhang *see* Zhang Dao-Fan
Dao-jiang Lu *see* Lu Dao-jiang
Daou, J.N. *see* Bonnet, J.E. 9—90643
Daoud, A. *see* Bats, J.W. 9—77588
Daoud, A. *see* Couzi, M. 9—56794
Daoud, M. Vulcanization and critical exponents 9—61557
Daoud, M. *see* Boue, F. 9—50956
Daoud, M. *see* Coniglio, A. 9—95991
Daoud, M. *see* Nierlich, M. 9—77484
Dapkus, P.D. *see* Dupuis, R.D. 9—50309, 9—56933, 9—98390
Dapkus, P.D. *see* Holonyak, N., Jr. 9—64244, 9—74275
Dapkus, P.D. *see* Milano, R.A. 9—67380
Dar, N., Lal, H.B. High temperature magnetic susceptibility of light rare-earth tungstates 9—82753
Darack, S. *see* Andres, K. 9—63216, 9—87071
Darby, C.F., Hammond, P. A patient virtual earth and electrical-interference monitor 9—57800
Darby, D.B. *see* Booker, G.R. 9—82606
Darby, D.M. *see* Bowers, G.L. 9—89485
Darby, M.I. Stress distribution near a crack crossing an interface 9—81807
Darby, M.I., Read, M.N., Taylor, K.N.R. The energy of hydrogen in zirconium-rhodium 9—82198
Darby, R. Rebuttal to Denn's comments on the paper by Tsai and Darby 9—94577
Dardel, G.Von *see* Von Dardel, G.
Darden, S.E., Foster, J.L. Spin of the 14.174 MeV T=3/2 level in ^{17}F 9—67648
Dardo, M. *see* Bonino, G. 9—66739
Dardyk, Ya.I. *see* Andreev, G.Ya. 9—64513
Dare-Edwards, M.P. *see* Anderson, S. 9—91964
Darek, B., Gawronska, E., Szymanski, L. Distribution of radiative recombination efficiency in Zn-diffused GaAs layers 9—78725
Darevskii, A.S., Zhdan, A.G. Real structure and electrical conductivity of island films of metals 9—77948
Darewych, J.W. Angular correlation of two-photon positron annihilation in hydrogen gas 9—81276
Darewych, J.W., Sokoloff, J. First order estimates of the error in approximate calculations of scattering phase shifts 9—58573
Dargel, L., Radwanski, R., Marcak, Z. The crystallographic structure of lithium aluminium chromites $Li_{0.5}Al_{2.5-t}Cr_tO_4$ ($0 \leq t \leq 0.25$) 9—60319
Dargeyko, M.M. On automated diagnostics of plasma 9—94820
Dargis, A.Yu., Sedrakyan, R.G., Ashmontas, S.P. Recombination of nonequilibrium carriers in high-resistivity InSb with Cr, Zn, Mn and Ge impurities 9—65496
d'Argoud, G.Giroud *see* Giroud d'Argoud, G.
Dargys, A., Zilionis, S., Matulionis, A., Parseliunas, J., Pozela, J., Poskus, A., Simulyte, E. Voltage-current characteristics of graded-gap $Al_xGa_{1-x}As$ crystals 9—69613
Darickova, A., Kluson, J., Musilek, M. The using of the lyoluminescence in integral dosimetry 9—67964
Darickova, A. *see* Prouza, Z. 9—68113
Dariel, M.P. Diffusion in rare earth metals 9—69281
Dariel, M.P. *see* Klimker, H. 9—51834
Dariel, M.P. *see* Melamud, M. 9—78319
Dariel, M.P. *see* Mintz, M.H. 9—52760
Darier, P., Lallement, D. Self-checking in a logic protection system using a redundant computer structure [nuclear reactor] 9—76103
Darinskii, B.M. *see* Gridnev, S.A. 9—73875
Darius, J. Ultraviolet astronomy comes of age 9—96915
Darken, L.S., Simkovich, G. High temperature adsorption in ternary systems 9—77914
Darkhosh, T. Discontinuities of the Green's functions across the characteristic surfaces of field equations 9—93279
Darland, E.J., Hornshuh, J.E., Enke, C.G., Leroi, G.E. Pulse (photon) counting: a high-speed, direct current-coupled pulse counter 9—89524
Darland, E.J., Leroi, G.E., Enke, C.G. Pulse (photon) counting: determination of optimum measurement system parameters 9—89523
Darling, D. Planetary nebulae. I. How stars lose their cool 9—62893
Darling, D. Planetary nebulae. II. Cosmic neon lights 9—67080
Darlington, C.N.W. The primary order parameter in antiferroelectric $NaNbO_3$ 9—51919
Darlington, C.N.W., Kitching, S.A., O'Connor, D.A. Nature of the incommensurate phase in ammonium fluoberyllate 9—61276
Darlington, M.W. *see* Hunt, D.G. 9—68603
Darlington, M.W. *see* Smith, G.R. 9—61659
Darmanyan, A.P. *see* Kuzmin, V.A. 9—79228
Darnall, K.R. *see* Pitts, J.N., Jr. 9—61860
Daroczy, S. *see* Berecz, I. 9—62382
Darowicki, H. *see* Bielski, A. 9—54941
Darr, F.W., II *see* Kuc, R.B. 9—57702
Darras, T. *see* Marchal, G. 9—66551
Darriet, B., Pezat, M., Hagenmuller, P. Use of reversible hydrides for hydrogen storage 9—74549
Darriet, B., Pezat, M., Hbika, A., Hagenmuller, P. Rare earth-magnesium alloys rich in magnesium and their application to hydrogen storage 9—66419
D'Arrigo, G. Low-frequency sound velocity and related thermodynamic properties in supercooled water 9—73255
D'Arrigo, J.S. Physical properties of the nonionic surfactants surrounding gas cavitation nuclei 9—100444
Darriulat, P. *see* Chilingarov, A. 9—54365, 9—54368
Darrouzet, M. *see* Bouchard, J. 9—85714
Darrow, A.C. *see* Sylvester, A.G. 9—79774
Darsey, D.M. *see* Otts, J.V. 9—62113
Dart, S.L., Tubbs, E.F. Modular electronic system for the introductory laboratory 9—97141
Dartnell, A. *see* Corden, M.J. 9—75796
Dartus, E. *see* Bridoux, M. 9—86040
Dartyge, E., Reynaud, B., Ruault, M.O. The observation of iron latent tracks in mica muscovite 9—73235
Darus, H.bin *see* bin Darus, H.
Darvas, J., Kupschus, P.H., Meizner, Ch.N. Considerations on the minimum size of a tritium burning, preferably self-sustaining Tokamak with a breeding blanket 9—76139
Darvas, J. *see* Brockmann, H. 9—67935
Darvas, J. *see* Forster, S. 9—71970
Darvell, B.W. An effective water-bath level control 9—67283
Darvill, D.C. *see* Latham, A. 9—89168
Darvill, D.C. *see* Morris, J.V. 9—93434
Darvoi, T.I. *see* Lisitskii, I.S. 9—51135
Darwish, S.M. *see* Leila, H.A. 9—68122
Darymov, V.I., Koshelev, F.P., Krivobokov, V.P., Kurin, M.N. Method of determining the thickness of the broken layer on the surface of quartz 9—51401
Darznek, S.A. *see* Bogdankevich, O.V. 9—59703
Das, A. On the static Einstein-Maxwell field equations 9—58594
Das, A., Kaku, M. Observations on the Gribov ambiguity in general relativity in the Coulomb gauge 9—54023
Das, A.C. *see* Kaw, P.K. 9—53640
Das, A.K., Joos, B., Wallace, P.R. Resonance states in scattering: some variational methods revisited 9—60754
Das, A.K. *see* Chakrabarti, A.K. 9—84612
Das, A.K. *see* Joos, B. 9—82559
Das, A.K. *see* Mukherjee, M.K. 9—62005
Das, A.N. *see* Ghosh, B. 9—95401
Das, B.K., Griffiths, R.B. A search for multicritical points in liquid mixtures: the shield region and the three-state Potts point 9—86868
Das, B.K. *see* Jain, G.C. 9—61550
Das, B.N. *see* Koon, N.C. 9—78351
Das, B.N. *see* Williams, C.M. 9—73724
Das, D. *see* Kumar, K. 9—82829
Das, G. *see* Jain, P.L. 9—101037
Das, H.A. The price of ethics in the domain of radioactivity 9—59270
Das, H.A. *see* Ooms, P.C.A. 9—52834
Das, H.A.S. *see* Van den Brand, J.A.G.M. 9—88190
Das, I. *see* Dubley, B.L. 9—56511
Das, J., Chowdhury, F.B. A scheme for biomedical signal compression and transmission 9—83989
Das, K.P., Deshpande, N.G. Determination of the chiral-SU(4)×SU(4)-breaking parameters 9—93312
Das, N.C., Mahanti, S.D. Enhancement of diamagnetic susceptibility in amorphous semiconductors 9—65640
Das, N.C. *see* Kar, K. 9—61046
Das, P., Lanzi, C. A surface acoustic wave sonobuoy 9—94437
Das, P., Lanzl, C., Barone, D. A surface acoustic wave transmitting hydrophone 9—53586
Das, P., Webster, R.T., Davari, B. Electrical properties of semiconductor-electrolyte (CdS-$NiCl_2$) using surface acoustic wave techniques 9—56302
Das, P. *see* Barone, D.K. 9—83870
Das, P. *see* Estrada-Vazquez, H. 9—99586
Das, P. *see* Mohammed Ayub, F.M. 9—94352
Das, P. *see* Webster, R.T. 9—87131
Das, P.K. *see* Tiersten, H.F. 9—55303
Das, P.P. *see* Devi, V.M. 9—98082

Das, R.N. Application of the Wiener-Hopf technique for a new representation of X- and Y-equations 9—53710
Das, R.N. Exact solution of a problem in radiative transfer by the Laplace transform and the Wiener-Hopf technique when the incoming intensity at the surface is known 9—53711
Das, R.N. Exact solution of a problem in radiative transfer by the Laplace transform and the Wiener-Hopf technique when the incoming intensity at the surface is known 9—75095
Das, R.N. Exact solution of the problem of diffuse reflection for a combination of Rayleigh and isotropic scattering 9—84661
Das, R.N. Exact solution of a problem in a stellar atmosphere using the Laplace transform and the Wiener-Hopf technique 9—84784
Das, S. *see* Deb, S. 9—61986
Das, S.C. Fluidized bed electrode; a novel technique in extractive metallurgy 9—57249
Das, S.C. *see* Venkateswara Rao, K. 9—57245
Das, S.K., Kaminsky, M., Fenske, G. On the correlation of blister diameter and blister skin thickness in helium-ion-irradiated Nb 9—82266
Das, S.K. *see* Fenske, G. 9—51161, 9—69166
Das, S.K. *see* Kaminsky, M. 9—49880
Das, S.K. *see* Sarkar, S.K. 9—60445, 9—99280
Das, S.K. *see* Tappert, C.C. 9—81649
Das, S.R., Banerjee, A., Chopra, K.L. $Zn_xCd_{1-x}S/Cu_2S$ heterojunction solar cells. II. Junction analysis 9—92080
Das, S.R., Nath, P., Banerjee, A., Bankar, V.D., Chopra, K.L. Stoichiometric Cu_2S thin films for solar cells 9—61991
Das, S.R. *see* Banerjee, A. 9—61988, 9—79397
Das, S.R. *see* Bhat, P.K. 9—74515
Das, T.K. *see* Dasgupta, M.K. 9—88636
Das, T.P. Hyperfine fields and neutron scattering in ferromagnetic metals 9—56172
Das, T.P. *see* Pattnaik, P.C. 9—73481
Das, T.P. *see* Schmidt, P.C. 9—87072
Das, T.P. *see* Thompson, M.D. 9—73482
Das, U., Chakravarty, S., Talukdar, B. S-wave off-shell T and K matrices for the Yukawa potential by Ecker-Weizel approximations 9—63074
Das, U. *see* Talukdar, B. 9—49104, 9—49105, 9—67190
Das Gupta, A. *see* Guhathakurta, B.K. 9—84574
Das Gupta, S. *see* Lee, H.C. 9—67644
Das Gupta, S.R. *see* Ghosh, S.N. 9—53599
das Gupta, S.S. *see* Pigeon, R. 9—76012
Das-Gupta, D.K., Doughty, K., Shier, D.B. A study of structural and electrical properties of stretched polyvinylidene fluoride films 9—90572
Das-Gupta, D.K., Duffy, J.S. Pyroelectricity in polyvinylidene fluoride 9—56737
Dasgupta, A., Chakraborty, S.K. Effect of a high initial stress on the propagation of Love waves in an isotropic elastic incompressible medium 9—98655
Dasgupta, A.K. Transition radiation from relativistic intergalactic dust grains 9—75272
Dasgupta, A.K. Cosmic gamma-ray burst from intergalactic relativistic dust grains 9—88764
Dasgupta, B. *see* Som, B.K. 9—77362
Dasgupta, B.B., Bagchi, A. Surface-plasmon dispersion relation from the reflectivity of parallel-polarized light 9—78030
Dasgupta, C. *see* Pramanick, P. 9—73879
Dasgupta, H.S. *see* Sengupta, A.K. 9—99872
Dasgupta, M.K., Das, T.K., Sarkar, S.K. Some studies on rare types of microwave bursts 9—88636
Dasgupta, S.S. *see* Slobodrian, R.J. 9—71861
Dash, J.G., Schick, M. Helium monolayers 9—99390
Dash, J.G. *see* Shechter, H. 9—61270
Dash, J.W. Comments on the bremsstrahlung model of Brodsky and Gunion 9—93362
Dash, J.W., Chung-I Tan The P-f: resolution of the 'identity crisis' 9—75747
Dash, R. Effects of forward velocity on sound radiation from convecting monopole and dipole sources in jet flow 9—94603
Dashen, R. Path integrals for waves in random media 9—63049
Dashen, R.F. *see* Callan, C.G. 9—97594
Dashen, R.F. *see* Callan, C.G., Jr. 9—58932
Dashevskii, V.G. *see* Il'icheva, I.A. 9—53032, 9—92130
Dashner, P.A. A finite strain work-hardening theory for rate independent elasto-plasticity 9—76983
Dashuk, P.N., Zinchenko, A.K., Merkulova, T.G., Sergeenkova, E.A. Measurement of the gas temperature and electron density in an 'incomplete' grazing discharge 9—55600
Dashuk, P.N. *see* Belyaev, G.I. 9—55538
Daskal, Yu.I. *see* Filippov, G.A. 9—72875, 9—98789
Daskalov, E.K. Checking the state of connecting lines for resistive and potentiometric transducers 9—93120
Daskaviraj, S.K., Sarkar, S.K. Design wave height and wave period of sea waves at Digha 9—96764
Dasmahapatra, B.K., Mukherjee, P., Roy, A.K., Sengupta, A.K. K-electron capture probability in the decay of $^{108}Ag^m$ (127 yr) 9—59038
Dass, G.V., Ram Babu, P. A way to determine the Lorentz structure of the neutral weak interaction 9—80788
Dass, S. *see* Pal, S.G. 9—92188
DasSarma, S., Kalia, R.K., Nakayama, M., Quinn, J.J. Stress and temperature dependence of subband structure in silicon inversion layers 9—95461
Dassios, G. Equipartition of energy in elastic wave propagation 9—64570
Dasso, C.H. *see* Broglia, R.A. 9—63695
Dastidar, K.R., Dastidar, T.K.R. Dissociative recombination of H_2^+, HD^+ and D_2^+ molecular ions 9—59568
Dastidar, T.K.R. *see* Dastidar, K.R. 9—59568
Dasyuk, Ya.I. *see* Shvets, R.N. 9—94510
Dat, J., Fonade, C. Jet flow similitude [water pollution] 9—66423
Dat, R. *see* Bhar, T.N. 9—99641
Datars, W.R. *see* Doezema, R.E. 9—73906
Datars, W.R. *see* Razavi, F.S. 9—56115, 9—73421
Datars, W.R. *see* Scholz, G.A. 9—65465
Date, E. On a direct method of constructing multi-soliton solutions 9—75360
Date, M. *see* Adachi, K. 9—91253
Date, M. *see* Iwade, S. 9—91284
Date, S.K. *see* Gupta, M.P. 9—78585
Date, S.K. *see* Reschke, R. 9—91006
Datla, R.U., Griem, H.R. Electron density measurement using the Stark profiles of Al XII lines 9—81181
Datsenko, L.I. Dynamical scattering of X-rays and structural perfection of real crystals 9—64960
Datskevich, H.P. *see* Askar'yan, G.A. 9—64886
Datt, S.C. *see* Singh, R. 9—51901
Datta, A.K. *see* Kumar, V. 9—71525
Datta, B. *see* Canuto, V. 9—89112
Datta, M.K., Datta, R. A CNDO/2 study of the changes in kinetic energy and interference charge density in the formation of hydride adduct of borane 9—57211
Datta, M.Kumar *see* Kumar Datta, M.
Datta, R. *see* Datta, M.K. 9—57211
Datta, R. *see* Kumar Datta, M. 9—76345
Datta, S., Boswarva, I.M., Holt, D.B. Cathodoluminescence in deformed MgO crystals 9—95849
Datta, S., Hunsinger, B.J. Surface acoustic waves in periodic structures 9—81596
Datta, S., Hunsinger, B.J., Malocha, D.C. A generalized model for periodic transducers with arbitrary voltages 9—68534
Datta, S., Kanwal, R.P. Rectilinear oscillations of a rigid spheroid in an elastic medium 9—71253
Datta, S.K. Diffraction of SH-waves in a half-space 9—53981
Datta, S.K. Diffraction of SH-waves by an edge crack 9—64573
Datta Majumdar, S. *see* Basu, D. 9—49078
Dattatreya, G.R. *see* Dante, H.M. 9—64435
Dattatri, J., Raman, H., Shankar, N.J. Height and period distributions for waves off Mangalore Harbour—west coast 9—100850
Dattoli, G., Mignani, R., Prosperi, D. Broken SU_3-subsymmetries of SU_4 and magnetic moments of charmed baryons 9—63382
Dattoli, G., Mignani, R., Prosperi, D. Hadron electromagnetic properties and quark mass parameters 9—97596
Dattoli, G. *see* Barbini, R. 9—68030
Datz, S. *see* Alguard, M.J. 9—51176, 9—69167
Datz, S. *see* Appleton, B.R. 9—77658
Datz, S. *see* Cheung, J.T. 9—98202
Datz, S. *see* Moak, C.D. 9—51178
Dau, G.J. Nuclear waste management 9—54522
Dau, G.J. Impact of changing in-service inspection requirements 9—54589
Dau, G.J. Inservice inspection of nuclear steam generators 9—100322
Dau, W.D. *see* Jokisch, H. 9—53689
Dau, W.D. *see* Stamm, W. 9—66902
Dau-Sing Wang, Barber, P.W. Scattering by inhomogeneous nonspherical objects 9—64179
Dau-Sing Wang, Chen, H.C.H., Barber, P.W. Light scattering by polydisperse suspensions of inhomogeneous nonspherical particles 9—94151
Dau-Sing Wang *see* Chew, H. 9—98264
Daubach, R.O. *see* Dugan, R.J. 9—71560
Daubechies, I. *see* Aerts, D. 9—49082, 9—49083, 9—84983, 9—84984
Daubert, T.E. *see* Graboski, M.S. 9—95118
Dauby, C., Glibert, J., Claes, P. Electrical conductivity and specific mass of the molten NaOH-KOH eutectic mixture 9—82365
Daudel, R., Poirier, R.A., Goddard, J.D., Csizmadia, I.G. Study of the quality of Gaussian basis sets for carbon and silicon: calculations on methane and silane 9—59345
Daudey, J.P., Novaro, O., Berrondo, M. Use of pseudopotentials for the analysis of the non-additivity of short-range intermolecular interactions 9—50179
Dauer, F.W. *see* Bhushan, B. 9—61810
Daugaard, P. *see* Jakobsen, H.J. 9—81219
Dauger, A. *see* Fumeron, M. 9—87640
Daughters, G.T., II *see* Ingels, N.B., Jr. 9—62358
Daughton, W.J. *see* Givens, F.L. 9—58672
Daughtry, J.W., Dobbin, K.D. Delayed-neutron parameters for the FFTF 9—80999
Dauknis, V.I. *see* Uzberg, L.V. 9—82594
Daum, H.J. *see* Berger, C. 9—49519
Daumann, H. *see* Berger, C. 9—49519
Daumas, R. *see* Sautriot, D. 9—62523
Daumens, M., Perroud, M. Internal Galilei group for a two-particle system 9—75406
Daumens, M., Perroud, M., Winternitz, P. Relativistic energy-dependent partial-wave analysis for particles with spin 9—93319
Daumerie, M. *see* Godard, P. 9—61914
Daunois, A. *see* Wecker, C. 9—95802
Daunt, G. *see* Koutsogeorgis, C.M. 9—51379
Daunt, S.J. *see* Fox, K. 9—72363
Daunt, S.J. *see* Shurvell, H.F. 9—76430
D'Auria, A.C. *see* Campana, L.S. 9—80502
D'Auria, L. *see* Nouchi, I. 9—64319
Dausch, D. *see* Brudermann, U. 9—88148
Daut, D.G. *see* Modestino, J.W. 9—81374
Dautov, A.I. *see* Gonopol'skii, A.M. 9—64881
Dautov, G.Yu., Samigullin, A.A., Khakimov, Kh.Sh., Sharifullin, S.N., Shcherbakov, V.D. Deposition of thin films by low-pressure high-frequency induction plasma 9—69992
Dautov, G.Yu. *see* Bedretdinov, Z.M. 9—55585
Dautremont-Smith, W.C. *see* Radjy, N.A. 9—82995
Dautry, F. Chiral symmetry and neutral pion condensation 9—80895
Dautry, F., Nyman, E.M. Pion condensation and the σ-model in liquid neutron matter 9—59027
Dautzenberg, J.H. *see* Zaalberg, R.J. 9—91698
Dautzenberg, N. Boronizing of sintered steels 9—96210
Dauvillier, A. Considering the planetary theory of solar activity 9—84759
d'Auzac, G., Dubillot, J. Measuring aerosols with a beta gauge 9—53012
Davarashivili, O.I. *see* Dureev, D.M. 9—89909
Davari, B. *see* Das, P. 9—56302
Dave, J.V. Isotropic distribution approximation in solar energy estimations 9—66778
Davelaar, J., Bleeker, J.A.M., Deerenberg, A.J.M., Tanaka, Y., Hayakawa, S., Yamashita, K. Structural and spectral soft X-ray features in the Lupus region 9—71085
Daveloose, D. *see* Gresset, C. 9—87855
Davenport, J.W. *see* Pick, M.A. 9—82345
Davenport, M. *see* Latham, A. 9—89168
Davenport, M. *see* Morris, J.V. 9—93434
Davenport, P.A. *see* Hancox, R. 9—71976
Davenport, W.G. *see* Tavera, F.J. 9—83152
Daver, H. *see* Massenet, O. 9—82765
Davey, G. *see* Eubig, C. 9—92397
Davey, J.E. *see* Christou, A. 9—56085
Davey, R.J., Ristic, R.I., Zizic, B. The role of dislocations in the growth of ammonium dihydrogen phosphate crystals from aqueous solutions 9—74072
David, C.W. Is the $Li(H_2O)^+$ cation planar? 9—49939
David, C.W. Dipole moments of water aggregates according to the polarization model 9—77482
David, D., Garcia, E.A., Lucas, X., Beranger, G. Study of the diffusion of oxygen in α-titanium between 700 and 950°C 9—86929
David, E. *see* Mund, K. 9—92428
David, F. *see* Bergere, M.C. 9—71592
David, L. *see* Kamal, M. 9—86656
David, M. *see* Borneas, M. 9—71325
David, M.J. *see* Berty, J. 9—90921
David, N. *see* Atal, B.S. 9—59879
David, P. *see* Hartwig, S. 9—49621
David, P. *see* van der Plicht, J. 9—54419
David, R. *see* Comsa, G. 9—86993
David, R. *see* Miron, E. 9—54802
Davidenene, D.K. *see* Tolutis, V.B. 9—56335
Davidenko, Y. *see* Pevnev, A.K. 9—79792
Davidge, H. Recent developments in cryogenic equipment for food and medical applications 9—58714
Davidoff, S., Kashat, I., Klein, N. Stepped I-V characteristics of MIS capacitors in the inversion polarity 9—78180
Davidov, A.A. *see* Kurina, L.N. 9—51435
Davidov, D., Barberis, G., Rettori, C., Suassuna, J.F., Levin, R. Relaxation narrowing of Gd in cubic Van-Vleck compound 9—99765
Davidov, D., Safinya, C.R., Kaplan, M., Dana, S.S., Schaetzing, R., Birgeneau, R.J., Litster, J.D. High-resolution X-ray and light-scattering study of critical behavior associated with the nematic-smectic-A transition in 4-cyano-4'-octylbiphenyl 9—73297
Davidov, D. *see* Barberis, G.E. 9—69719, 9—78514, 9—87315
Davidov, D. *see* Litster, J.D. 9—95129
Davidova, L.B. *see* Borodin, V.A. 9—61513
Davidovic, M., Jovic, Dj., Zivanovic, M. Numerical calculation of the interatomic potential for some liquid metals 9—55649
Davidovic, M. *see* Soderstrom, O. 9—50983
Davidovic, M.P. *see* Jovic, D.M. 9—55648
Davidovich, R.L. *see* Grigas, I. 9—69765
Davidovich, R.L. *see* Voronkova, V.K. 9—95637
Davidovits, P. *see* Raghuraman, P. 9—94100

Davidovits, P. *see* Sridharan, U.C. 9—83445

Davidovskii, V.M., Kulish, N.P., Petrenko, P.V., Repetskii, S.P. Contribution of static lattice distortions to the residual electrical resistance of iron-aluminium alloys 9—51548

Davids, C.N., Gagliardi, C.A., Murphy, M.J., Norman, E.B. Superallowed Fermi decay of ^{62}Ga 9—54410

Davidson, A. Sakata-like electro/weak model 9—54297

Davidson, A. Covariant n^2-plet mass formulas 9—63460

Davidson, A. B-L as the fourth color within an $SU(2)_L \times U(1)_R \times U(1)$ model 9—97589

Davidson, A., Koca, M., Wali, K.C. U(1) as the minimal horizontal gauge symmetry 9—80753

Davidson, A., Koca, M., Wali, K.C. Horizontal gauge symmetry as a natural CP-violation source at the two-generation level 9—93310

Davidson, B., Vichnevetsky, R., Wang, H.T. Numerical techniques for estimating best-distributed Manning's roughness coefficients for open estuarial river systems 9—79897

Davidson, D.L. *see* Lankford, J. 9—70157, 9—70158

Davidson, D.W. *see* Garg, S.K. 9—91300

Davidson, D.W. *see* Ripmeester, J.A. 9—82882, 9—99783

Davidson, E.R., Nitzsche, L.E., McMurchie, L.E. A modified H_0 for Epstein-Nesbet Rayleigh-Schrodinger perturbation theory 9—49925

Davidson, E.R. *see* Martin, R.L. 9—59597

Davidson, E.R. *see* Tanaka, K. 9—68287

Davidson, E.R. *see* Volland, W.V. 9—93936

Davidson, G.T. Pitch angle diffusion of trapped particles in the presence of a loss cone. Calculating the distribution of particles precipitating from the Earth's radiation belts 9—70931

Davidson, J.A., Schiff, H.I., Streit, G.E., Schmeltekopf, A.L., Howard, C.J. Temperature dependence of $O(^1D)$ reactions of atmospheric importance 9—53494

Davidson, J.K. *see* Carr, D. 9—53209

Davidson, J.M. *see* Rao, P.S.C. 9—92097

Davidson, J.N. *see* Stacey, W.M., Jr. 9—86604

Davidson, K. *see* Humphreys, R.M. 9—101191

Davidson, K. *see* Netzer, H. 9—67113

Davidson, K.L., Houlihan, T.M., Fairall, C.W., Schacher, G.E. Observation of the temperature structure function parameter, C_T^2, over the ocean 9—79918

Davidson, M. A dynamical theory of Markovian diffusion 9—80515

Davidson, R.C., Uhm, H.S. Thermal equilibrium properties of an intense relativistic electron beam 9—86126

Davidson, R.C. *see* Choe, J.Y. 9—64854

Davidson, R.C. *see* Uhm, H.S. 9—55494, 9—64851, 9—77370

Davidson, R.S., Bonneau, R., Joussot-Dubien, J., Toyne, K.J. The formation of intramolecular exciplexes and intramolecular electron transfer reactions of amino-alkylbenzenes 9—59499

Davidson, S.M. *see* Joannou, D.E. 9—82605

Davidson, W. Tests of gravitational theories using space probes 9—71345

Davidson, W.F. *see* Borner, H.G. 9—93865

Davidson, W.F. *see* Cizewski, J.A. 9—75853

Davidson, W.F. *see* Smith, G.J. 9—93515

Davidson-Arnott, R.G.D. *see* Greenwood, B. 9—92521

Davidsson, A. *see* Johansson, L.B.A. 9—53059

Davidyuk, G.E. *see* Galushka, A.P. 9—73221

Davier, M. *see* Albrow, M. 9—97605

Davies, B.L. *see* Cracknell, A.P. 9—65019

Davies, B.L. *see* Kunert, H. 9—99099

Davies, C.N. Coagulation of aerosols by Brownian motion 9—96375

Davies, C.N. *see* Rooker, S.J. 9—96374

Davies, D., Popov, W.A. Ellipsometry—a versatile and non-destructive testing technique 9—85161

Davies, D.E., Comer, J.J., Lorenzo, J.P., Ryan, T.G. Improved electrical mobilities from implanting InP at elevated temperatures 9—99541

Davies, D.E. *see* Lorenzo, J.P. 9—70185

Davies, D.E.N. *see* Kingsley, S.A. 9—72717

Davies, D.L., Bouldin, D.W. Correlation of rotated images by the method of gradient vector sums 9—75647

Davies, D.W. The vertical distribution of Mars water vapour 9—84713

Davies, D.W., Till, S.J. A computational study of the effect of the interaction potential for inelastic atom-molecule rotational scattering 9—59533

Davies, E.B. Particle-boson interactions and the weak coupling limit 9—49100

Davies, E.B. Two-channel Hamiltonians and the optical model of nuclear scattering 9—59043

Davies, G. Dynamic Jahn-Teller distortions at trigonal optical centres in diamond 9—87069

Davies, G.C. *see* Bowers, J.E. 9—70208

Davies, G.F. Thickness and thermal history of continental crust and root zones 9—88320

Davies, G.F. *see* Lux, R.A. 9—74880

Davies, G.H. *see* Thomas, L.H. 9—51292

Davies, G.J. The calculation of transformation textures 9—83223

Davies, G.J., Kallend, J.S., Knight, F.I. Crystalline orientation distribution function analysis of texture development in titanium 9—91669

Davies, G.J. *see* Da Costa Viana, C.S. 9—91703

Davies, G.J. *see* Mintz, B. 9—91705

Davies, G.J. *see* Nazar, A.M.M. 9—83355

Davies, G.J. *see* Pipkin, N.J. 9—73078

Davies, G.J. *see* Reid, C.J. 9—73087

Davies, G.J. *see* Speight, J.D. 9—77951

Davies, G.J. *see* Viana, C.S. da C. 9—86347

Davies, G.J. *see* Welch, P.I. 9—91696

Davies, H.A. *see* Lewis, B.G. 9—73103

Davies, H.G., Rogers, R.J. The vibration of structures elastically constrained at discrete points 9—81786

Davies, H.W., Llewellyn, J.P. Magnetic birefringence of ferrofluids. II. Pulsed field measurements 9—82943

Davies, I.G.A. *see* Goodwin, A.R. 9—72567

Davies, J.A. Channeling. General description 9—95061

Davies, J.A. Application of MeV ion channelling to surface studies 9—95064

Davies, J.A. *see* Munro, D.S. 9—79912

Davies, J.A. *see* Norton, P.R. 9—86970

Davies, J.D., Pyle, G.J., Squier, G.T.A., Batty, C.J., Biagi, S.F., Hoath, S.D., Sharman, P., Clough, A.S. Observation of kaonic hydrogen atom X-rays 9—55008

Davies, J.D., Pyle, G.J., Squier, G.T.A., Batty, C.J., Biagi, S.F., Hoath, S.D., Sharman, P. Observation of kaonic hydrogen atom X-rays 9—86088

Davies, J.D. *see* Batty, C.J. 9—76535, 9—98253

Davies, J.D. *see* Bos, K. 9—85531

Davies, J.G. *see* Bruk, Yu.M. 9—62863

Davies, J.H., Frydenbo, F.T., Adamson, M.G. Determination of the chemical activity of fission product iodine in Zircaloy clad UO_2 fuel rods 9—49682

Davies, J.J., Nicholls, J.E. Optically detected magnetic resonance of a self-activated emission at 1.94 eV in gallium-doped zinc sulphide 9—95685

Davies, J.J. *see* Dunstan, D.J. 9—95684

Davies, J.J. *see* Nicholls, J.E. 9—69750

Davies, J.K. *see* Baker, R.D. 9—89182

Davies, K. Ionospheric prediction and extrapolation 9—58168

Davies, K., Anderson, D.N., Paul, A.K., Degenhardt, W., Hartmann, G.K., Leitinger, R. Nighttime increases in total electron content observed with the ATS 6 radio beacon 9—75020

Davies, K. *see* Rastogi, R.G. 9—75028

DAvies, K.A. *see* Raynes, E.P. 9—94894

Davies, K.T.R. *see* Bonche, P. 9—93676

Davies, K.T.R. *see* Krieger, S.J. 9—89342

Davies, P.A., Titman, C.W., Childs, A.P. The interaction of topography and shear flow in a homogeneous rotating fluid 9—55354

Davies, P.A. *see* Ashworth, D.G. 9—84950

Davies, P.B., Hack, W., Preuss, A.W., Temps, F. Far infrared laser magnetic resonance spectra of vibrationally excited OH 9—76454

Davies, P.B., Russell, D.K., Smith, D.R., Thrush, B.A. Analysis of the 118.6 μm laser magnetic resonance spectra of PH, $X^3\Sigma^-$ and a $^1\Delta$ 9—54869

Davies, P.B. *see* Burrows, J.P. 9—94020

Davies, P.C.W., Unruh, W.G. Perturbation technique for quantum fields in curved space 9—97286

Davies, P.G., Mackenzie, E.C., Harris, G.P. Measurements of SIRIO transmissions near 11.6 GHz at Slough (UK) 9—84333

Davies, P.O.A.L. *see* Davis, M.R. 9—81936

Davies, R. The effect of finite geometry on the three-dimensional transfer of solar irradiance in clouds 9—58085

Davies, R.D., Pretorius, V. The ring-air technique: an alternative to the ring-oven technique in circular thin-layer chromatography 9—74478

Davies, R.G. Influence of silicon and phosphorous on the mechanical properties of both ferrite and dual-phase steels 9—57063

Davies, R.G. *see* Sherman, A.M. 9—100253

Davies, R.J., Hirst, B. Twin header bore welded steam generator for pressurized water reactors 9—93813

Davies, S.T., Elliot, H., Marsden, R.G., Thambyahpillai, T., Dutt, J.C. The angular distribution of cosmic rays at the boundary of the heliosphere 9—80116

Davies, T.A. *see* Worsley, T.R. 9—88365

Davies, W.G., Rutledge, A.R. Design of the injection system for the Chalk River superconducting cyclotron project 9—54615

Davies, W.G. *see* Alexander, T.K. 9—54750

Davies, W.G. *see* Ball, G.C. 9—89322

Davies, W.G. *see* Warner, R.E. 9—93646

d'Avila, L.A. *see* Minzl, E. 9—66375

Daviot, J. *see* Gabis, V. 9—96108

Davis, A. *see* Diffey, B.L. 9—92382

Davis, A.C., Lambourne, R.J.A. Bremsstrahlung contributions to the polarisation of the sea 9—67507

Davis, A.D. *see* Butler, W.A. 9—58505

Davis, B.L. Additional suggestions for X-ray quantitative analysis of high-volume filter samples 9—70501

Davis, B.R., Vogel, P., Mann, F.M., Schenter, R.E. Reactor antineutrino spectra and their application to antineutrino-induced reactions 9—67791

Davis, C., Jr. *see* Liu, K.C. 9—99635

Davis, C.A. Spin-parity combinations in ^{40}Ar 9—89232

Davis, C.L. *see* Barnham, K.W.J. 9—85293

Davis, C.R. *see* Webster, J.M. 9—98323

Davis, C.W. *see* Clifton, K.S. 9—80239

Davis, D. Analysis of iron content in individual human red blood cells by electron microprobe and scanning electron microscope 9—53065

Davis, D.B. *see* Otts, J.V. 9—62113

Davis, D.D., Keifer, W. Photochemically generated ozone from isolated strong point sources 9—66430

Davis, D.D., Ravishankara, A.R., Fischer, S. SO_2 oxidation via the hydroxyl radical: atmospheric fate of HSOx radicals 9—62559

Davis, D.D. *see* Philen, D.L. 9—53492

Davis, D.D. *see* Ravishankara, A.R. 9—52719

Davis, D.F. Parallel pipeline programming 9—68947

Davis, D.H. *see* Angelini, C. 9—67548

Davis, D.H. *see* Read, A.L. 9—49510

Davis, D.H. *see* Schreurs, J.W.H. 9—87317

Davis, E.A., Wright, H., Doran, N.J., Nex, C.M.M. Phonons in amorphous and rhombohedral arsenic 9—60464

Davis, E.A. *see* Elliott, S.R. 9—87057

Davis, E.A. *see* Greaves, G.N. 9—51935

Davis, E.A. *see* Kocka, J. 9—87128

Davis, E.E., Miller, K.H. Construction of a 10 GWe solar power satellite 9—52895

Davis, E.J., Van Ouwerkerk, M., Venkatesh, S. An analysis of the falling film gas-liquid reactor 9—86526

Davis, E.J. *see* Cheremisinoff, N.P. 9—90307

Davis, E.J. *see* Ray, A.K. 9—88993

Davis, G.D., Viljoen, P.E., Lagally, M.G., Rowe, J.E. Density of empty states in GeSe(001) and GeS(001) 9—78145

Davis, G.R., McKnight, W.M. Facilities for the solution mining of uranium—operational and environmental aspects 9—87984

Davis, H. *see* Rosenblat, S. 9—98806

Davis, H. *see* Waxman, M. 9—88917

Davis, H.L., Noonan, J.R., Jenkins, L.H. Determination of a Cu(110) surface contraction by LEED intensity analysis 9—73385

Davis, H.L. *see* Noonan, J.R. 9—77878

Davis, H.R. Laminar mass transfer from porous tubes and flat plates with wall resistance 9—60053

Davis, H.T. *see* Carey, B.S. 9—51391

Davis, H.T. *see* Feijoo, L. 9—76949

Davis, H.T. *see* Talmon, Y. 9—71573

Davis, H.T. *see* Winterfeld, P.H. 9—51390

Davis, J., Harvey, J.K. Comparison of the direct simulated method with experiment for rarefied flat plate flow 9—94667

Davis, J., Kallne, J., McCarthy, J.S., Minehart, R.C., Morris, C.L., Thiessen, H.A., Blanpied, G., Burleson, G.R., Boyer, K., Cottingame, W., Moore, C.F., Goulding, C.A. Study of the inclusive pion double charge exchange reactions in ^{12}C and ^{40,44,48}Ca 9—93662

Davis, J. *see* Blanpied, G.S. 9—85518

Davis, J. *see* Boyer, K.G. 9—85539

Davis, J. *see* Burkhalter, P. 9—55457

Davis, J. *see* Jacobs, V.L. 9—59405, 9—68903

Davis, J. *see* Kallne, J. 9—85503

Davis, J. *see* Pullin, D.I. 9—94670

Davis, J.A. Temperature dependence of acoustoelastic amplification in n-InSb. [For 'acoustoelastic' read 'acoustoelectric'.] 9—51638

Davis, J.A. *see* Lund, M.W. 9—72551, 9—76672

Davis, J.C., Heikkinen, D.W., Held, J.L., Logan, C.M., Osher, J.E. RTNS-II neutron sources: status report 9—76221

Davis, J.F. Uranium in the USA: genesis and exploration implications 9—84267

Davis, J.G., Greene, D., Richards, K.L. A sample volume tracking unit for pulsed Doppler echocardiography 9—57730

Davis, J.G. *see* Tang, I.N. 9—52783

Davis, J.H. Deuterium magnetic resonance study of the gel and liquid crystalline phases of dipalmitoyl phosphatidylcholine 9—91308

Davis, J.K. A polycarbonate ophthalmic-prescription lens series 9—81501

Davis, J.L. *see* Shimizu, T. 9—54871

Davis, J.M. *see* Golub, L. 9—53789

Davis, J.M. *see* Pandey, G.N. 9—79512

Davis, J.R., Hicks, T.J. Spin correlations in a spin glass 9—51790

Davis, J.S. PWR heat rate improvements 9—67827

Davis, K. *see* Lanford, W.A. 9—87877

Davis, K.A. *see* Siegel, B. 9—96523

Davis, K.E. *see* Clarke, D.B. 9—88318

Davis, K.G., Irons, G.A., Guthrie, R.I.L. X-ray cinematographic observations of gas injection into liquid metals 9—49360

Davis, L.A. Fracture toughness of metallic glasses 9—52365

Davis, L.A. *see* Chou, C.-P. 9—83249
Davis, L.C., Feldkamp, L.A. Effect of electron correlations on photoemission from narrow-bands metals 9—78828
Davis, L.C. *see* Feldkamp, L.A. 9—83099
Davis, L.E., Seaquist, E.R., Purton, C.R. OH emission from early-type emission-line stars with large infrared excesses 9—71035
Davis, L.W. Theory of electromagnetic beams 9—55035
Davis, M. *see* Vibert, J.F. 9—100636
Davis, M.M. *see* Hanisch, R.J. 9—88750
Davis, M.M. *see* Wolfe, A.M. 9—75292
Davis, M.R., Davies, P.O.A.L. Shear fluctuations in a turbulent jet shear layer 9—81936
Davis, M.R. *see* Thang, N.T. 9—64749
Davis, P.M., Stacey, F.D., Zablocki, C.J., Olson, J.V. Improved signal discrimination in tectonomagnetism: discovery of a volcanomagnetic effect at Kilauea, Hawaii 9—92629
Davis, R., Flower, H.M., West, D.R.F. The decomposition of Ti-Mo alloy martensites by nucleation and growth and spinodal mechanisms 9—61590
Davis, R., Stockwell, P.B., Pardue, H. The application of rapid scanning spectrometers to continuous flow systems 9—70406
Davis, R. *see* Burgess, J.W. 9—96450
Davis, R. *see* De Clercq, C. 9—89188
Davis, R., Jr., Evans, J.C., Cleveland, B.T. The solar neutrino problem 9—80286
Davis, R.B. *see* Johnson, A.A. 9—80283
Davis, R.C. *see* Menon, M.M. 9—76238
Davis, R.C. *see* Stirling, W.L. 9—68117, 9—97920
Davis, R.F. *see* Aksay, I.A. 9—99259
Davis, R.F. *see* Limb, Y. 9—99547
Davis, R.H. *see* Roy, A. 9—54730
Davis, R.J. *see* Dupree, A.K. 9—67067
Davis, R.J. *see* Raymond, J.C. 9—67051
Davis, R.L. *see* Hickernell, F.S. 9—55251
Davis, R.L. *see* Paulson, W.M. 9—76881
Davis, R.S. *see* Koch, W.F. 9—88916
Davis, R.T. *see* Napolitano, M. 9—81855
Davis, R.T. *see* Srivastava, B.N. 9—90280
Davis, S. Measurement of charge and the Sterman-Weinberg criterion 9—71694
Davis, S. *see* Eubank, H. 9—82074
Davis, S.J. *see* Bradburn, G.R. 9—98156
Davis, S.J. *see* Green, R.B. 9—81222
Davis, S.J. *see* Hanko, L. 9—81412
Davis, S.L., Boggs, J.E., Mehrotra, S.C. Counterpoise-corrected SCF and Gordon-Kim electron gas interaction potentials for NH_3-He 9—94057
Davis, S.M., Hull, M.N. Aspects of alkaline cell leakage 9—61967
Davis, S.N. *see* Holzer, T.L. 9—57979
Davis, S.P. *see* Karas, R.H. 9—62970
Davis, S.P. *see* Phillips, J.G. 9—50029
Davis, T.J. *see* Nelson, M.A. 9—54173
Davis, T.N. Chemical releases in the ionosphere 9—101049
Davis, W., Metz, D. A new technique for treatment of surface boundary conditions arising from particulate plume dispersion 9—79944
Davis, W. *see* Yasui, S. 9—57649
Davis, W.A. Infrared scanning by acoustic modulation 9—80687
Davis, W.A., Metcalf, H.J., Phillips, W.D. Vanishing electric dipole transition moment 9—59397
Davis, W.B., Hefferen, J.J. The effects of irradiation on the wear resistance, microhardness and acid solubility of human dentin 9—96634
Davis, W.C. Detonation velocity transient of Composition B-3 and PBX-9404 9—86450
Davison, L. An inherently safe resistance meter 9—63269
Davison, M. *see* Carr, D. 9—53209
Davison, M.E., Grunbaum, F.A. Convolution algorithms for arbitrary projection angles 9—66509
Davison, N.E. *see* Abegg, R. 9—80934
Davison, N.E. *see* Debenham, P. 9—67622
Davison, W. *see* Wanklyn, B.M. 9—65991
Davituri, A.D. *see* Gryzlov, A.V. 9—67978
Davoust, M.-E., Meuris, C., Mailfert, A. Stability and transverse conductivity in a mixed superconducting thread containing many filaments 9—73629
Davtyan, A.A. *see* Karapetyan, F.S. 9—82750
Davy, J.L., Dunn, I.P., Dubout, P. The curvature of decay records measured in reverberation rooms 9—90080
Davy, J.L., Dunn, I.P., Dubout, P. The variance of decay rates in reverberation rooms 9—94403
Davy, P. *see* Casley-Smith, J.R. 9—70718
Davy, P. *see* Pignolet, P. 9—98036
Davydenko, I.G. *see* Mazur, A.I. 9—64730
Davydenko, L.S. *see* Tikhonova, Z.I. 9—76777
Davydov, A.B. *see* Arapov, Yu.G. 9—93170
Davydov, A.D. *see* Engel'gardt, G.R. 9—70352
Davydov, A.S. Solitons, bioenergetics, and the mechanism of muscle contraction 9—96508
Davydov, A.S., Myasnikov, E.N. Low-temperature exciton luminescence in perfect crystals 9—56826
Davydov, I.A., Mel'nikov, Yu.A., Nikulin, V.A. Green's function of steady-heat-conduction operator for some shells of revolution 9—86319
Davydov, L.N. *see* Akhiezer, I.A. 9—51179
Davydov, M.S. *see* Bogdanov, P.V. 9—54656
Davydov, R.M., Kuprin, S.P., Fel, N.S., Neznaiko, N.F., Mukhin, E.N., Blyumenfel'd, L.A. Pulse-radiolysis investigation of the reactivity of conformationally nonequilibrium states of metalloproteins. Ferredoxin 9—70506
Davydov, R.M. *see* Genkin, M.V. 9—53029, 9—92121
Davydov, S.V. *see* Gruzinskii, V.V. 9—55132
Davydov, S.Yu. Indirect interaction of atoms in ordered and amorphous films adsorbed on metal surfaces 9—51425
Davydov, V.N. *see* Bodak, O.I. 9—52158
Davydov, V.S. *see* Vinogradov, G.E. 9—50405
Davydov, V.Yu. *see* Goncharuk, I.N. 9—69847
Davydova, A.D. *see* Zotov, Yu.P. 9—87751
Davydova, I.N. Spectral properties of the aspectogram 9—55090
Davydova, M.P., Kazakov, B.N., Stolov, A.L. Parameters of the crystal field acting on rare-earth ions in a YF_3 crystal 9—69475
Davydova, T.A., Shamrai, K.P. On the evolution of the intensive localized Langmuir field in a plasma 9—90405
Davydovskii, V.Ya. Relativistic dynamic invariants and the hamiltonian formalism of charged particles in plane waves 9—98268
Davydovskii, V.Ya., Sapogin, V.G. Relativistic distribution function for an adiabatic switch-on shock wave in a collisionless plasma 9—55505
Davydovskii, V.Ya. *see* Andreev, Yu.A. 9—55040, 9—68357
Dawar, A.L. *see* Krishna, K.V. 9—99643
Dawar, A.L. *see* Mathur, P.C. 9—95528
Dawber, P.G., Finn, C.B.P., Kiymac, K. The magnetic field dependence of the AC susceptibility of powdered cerium magnesium nitrate between 4 and 1K 9—56516
Dawihl, W. *see* Dorre, E. 9—84005
Dawson, A.G., III *see* Streed, E.R. 9—74541
Dawson, A.P. *see* Barker, M.G. 9—66277
Dawson, C.A. *see* Maron, M.B. 9—88108
Dawson, G.A. Ionic composition of rain during sixteen convective showers 9—58003
Dawson, H.R. *see* Loyd, D.H. 9—50129
Dawson, J. *see* Conn, R.W. 9—76144
Dawson, J. *see* Stacey, W.M., Jr. 9—71967
Dawson, J. *see* Steinbruchel, C. 9—78809
Dawson, J.B. *see* Hamilton, D.L. 9—57928
Dawson, J.F. *see* Balling, L.C. 9—81187
Dawson, J.M. *see* Decyk, V.K. 9—55542
Dawson, J.M. *see* Kwan, T. 9—68377
Dawson, J.M. *see* Leboeuf, J.N. 9—68948
Dawson, J.M. *see* Lin, A.T. 9—72548
Dawson, J.M. *see* Okuda, H. 9—64902
Dawson, J.M. *see* Tajima, T. 9—76166, 9—81103
Dawson, J.W. Microprocessor-based control for independently-phased RF linac cavities 9—71996
Dawson, J.W. *see* Krigbaum, W.R. 9—83221
Dawson, R. *see* Jones, E.R., Jr. 9—87240
Dawson, R.M.C. *see* Hauser, H. 9—70574
Dawson, S., Georgi, H. Generalized gauge hierarchies 9—97556
Dawson, S.V. *see* Elliott, E.A. 9—81975
Dawson, T.H. Wave propagation over a deformable sea floor 9—57966
Day, A.R. *see* Hoch, M.J.R. 9—65732
Day, C.R. *see* Ainslie, B.J. 9—76893
Day, C.T. *see* Gibbard, B.G. 9—71756
Day, D.E. *see* Han, Y.H. 9—51300
Day, D.E. *see* Hong, C.-M. 9—99561
Day, D.E. *see* Sinharoy, S. 9—83352
Day, D.E. *see* Zdaniewski, W.A. 9—52286
Day, D.S., Tsai, M.Y., Streetman, B.G., Lang, D.V. Deep-level-transient spectroscopy: System effects and data analysis 9—99501
Day, D.S. *see* Tsai, M.Y. 9—55763
Day, E.P. *see* Shao-Tang Sun 9—92172
Day, F.D., III *see* Chen, J.C. 9—80196
Day, G.W. *see* Franzen, D.L. 9—89004
Day, H.M. *see* Christou, A. 9—56085
Day, K.L., Donn, B. Condensation of nonequilibrium phases of refractory silicates from the vapor 9—60497
Day, M., Ebel, M. Wake-bound states: Dispersive and surface effects 9—73231
Day, P., Janke, E., Wood, T.E., Woodwark, D. Optical estimation of the zone-centre magnon gap in Rb_2CrCl_4: a two-dimensional easy-plane ionic ferromagnet 9—61082
Day, P. *see* Borromei, R. 9—95812
Day, R.H. *see* Whitman, R.L. 9—63804
Day, W.A. L^p-estimates for static stress fields 9—58545
Day, W.A. Improved estimates for least work in linear viscoelasticity 9—64535
Day, W.A. A work estimate for a viscoelastic fluid with an application to convergence to equilibrium 9—64718
Dayal, B. *see* Goel, A. 9—51221
Dayal, D., Geiger, H., Wissmann, P. Photoelectric measurements on pure and CO covered copper films 9—91570
Dayal, R., Ramachandra Rao, D., Venkateswarlu, P. Electron paramagnetic resonance and phase transitions in Mn^{2+} doped $Cd(ClO_4)_2.6H_2O$ 9—56604
Dayan, M. *see* Buitrago, R. 9—56401
Dayanand, C. *see* Shekhar, M.C. 9—91156
Daybell, M.D., Meyer, J. Kondo resistivity in copper-chromium at 35 GHz 9—60814
Dayem, H.A., Cobb, D.D., Dietz, R.J., Hakkila, E.A., Shipley, J.P., Smith, D.B. Coordinated safeguards for materials management in chemical separation, conversion, and fuel fabrication facilities 9—85738
Dayras, R. *see* Shapira, D. 9—76250
Dayras, R.A. *see* Gomez del Campo, J. 9—67771, 9—71873
Daywitt, J. *see* Salas, M.D. 9—94646
De, A. *see* Bhattacharyya, P. 9—67713
De, A.K. *see* Chakrabarti, A.K. 9—84612
De, B.R. Hydromagnetic interaction in a fluid dielectric 9—75097
De, B.R. Conductorlike behavior of a photoemitting dielectric surface [of a spacecraft] 9—101046
De, B.R. *see* Niyogi, B.G. 9—89596
De, J.N. *see* Bondorf, J.P. 9—71863
De, M. *see* Basuray, A. 9—72507
De, M. *see* Hazra, L.N. 9—98298
De, M.K. *see* Hammitt, F.G. 9—74265
De, S.K., Bhattacharyya, S. Disturbances due to an explosion in a viscoelastic spherical shell immersed in a liquid 9—81734
De, U. *see* Bhanja, S. 9—94764
De, U.K. *see* Chakravarti, S.P. 9—64803, 9—71318
de Ache, A. An evaluation of the siting of a nuclear power station from the nuclear safety point of view 9—59179
De Alfaro, V., Fubini, S., Furlan, G. Gauge theories and strong gravity 9—58869
de Almeida, L.E.Carrano *see* Carrano de Almeida, L.E.
De Almeida, M., Brook, R.J., Carruthers, T.G. Thermal expansion of ceramics in the MgO-CaO system 9—99336
De Alwis, S.P. Spontaneous breaking of chiral symmetry in QCD 9—93352
De Angelis, A. *see* Ascoli-Bartoli, U. 9—60170
De Angelis, G.Fabrizio *see* Fabrizio De Angelis, G.
de Araujo, C.B. *see* Montarroyos, E. 9—78666
de Ayila, C.Rodriguez *see* Rodriguez de Avila, C.
De Backer, M., Lelieur, J.-P., Lepoutre, G. A simple model for solvated electrons 9—87934
De Baere, W. Wightman functions for interacting spinor fields on a lightlike plane 9—93284
De Barbieri, O. Synchrotron radiation from high temperature plasmas 9—98994
de Barros, H.G.P.Lins *see* Lins de Barros, H.G.P.
De Batist, R. *see* De Vooght, D. 9—100100
de Bazelaire, E. *see* Lebreton, G. 9—72521
de Beaucoudrey, N. *see* Brunol, J. 9—57767
de Beauregard, O.Costa *see* Costa de Beauregard, O.
De Beer, G.P. *see* West, J.T. 9—59281
de Beer, M. *see* de Wolf, E.A. 9—49543
de Beer, R., van Ormondt, D., van Ast, M.A., Banen, R., Duine, J.A., Frank, J. ESR and ENDOR at 9 and 35 GHz on a powder of the enzyme methanol dehydrogenase from Hyphomicrobium X 9—70524
de Beer, W.H.J. *see* Nolte, M.J. 9—55707
de Belleval, J.F., Lecuru, D. Improvement of ultrasonic transducers by using a multilayer front face 9—55301
De Benedetti, A. *see* Chiantore, B. 9—63755
de Benito Secades, I. The production of energy from urban solid wastes 9—57419
De Biase, G.A. *see* Rodono', M. 9—62751, 9—80317
de Billy, M., Quentin, G. Ultrasonic signal analysis methods applied to biological tissues 9—57737
de Billy, M., Quentin, G.J. Methods of analysis for backscattering from tissues 9—70595
de Billy, M. *see* Tittmann, B.R. 9—57197
de Bivar-Weinholtz, A., Piraux, R. Trotter formula for the Schrodinger operator with a complex singular potential 9—49070
De Blasi, C., Galassini, S., Manfredotti, C., Micocci, G., Tepore, A. Effects of space-charges on thermally stimulated currents 9—65793
de Blasi, C., Galassini, S., Micocci, G., Ruggiero, L., Tepore, A., Nava, F., Manfredotti, C., Kozlo, S.F. Hole trapping levels in natural diamond nuclear detectors 9—76278
De Boer, F.R., Dijkman, W.H., Mattens, W.C.M., Miedema, A.R. On the valence state of Yb and Ce in transition metal intermetallic compounds 9—77545
de Boer, F.R. *see* MacLaughlin, D.E. 9—78550
de Boer, F.R. *see* Mattens, W.C.M. 9—51743
de Boer, G.A. Phenix and Super Phenix: rapid development of breeder reactors in France 9—49827
de Boer, J.H. *see* Konnen, G.P. 9—80017
De Boer, J.L., Vos, A. Electron density distributions on C-C single, double and triple bonds. Pitfalls and prospects of the analysis of accurate X-ray diffraction data 9—89805
de Boer, J.L. *see* van der Wal, H.R. 9—73064
de Boer, K.S. *see* Savage, B.D. 9—67097
de Boer, K.S. *see* van Albada, T.S. 9—71080

De Boer, R.W., Wolfrat, J.C. A mathematical model of the double-sucrose-gap voltage-clamp method 9—96539
de Boer, R.W. *see* van Oosterom, A. 9—92319
de Boer, W.P.H. *see* de Groot, S.R. 9—67126, 9—84875
de Boer, W.P.H. *see* Siskens, Th.J. 9—63140
De Bonte, M. *see* Wollants, P. 9—74153, 9—87635
De Bony, J. *see* Clin, B. 9—93195
de Borne de Grandpre, C. Application to the Gironde estuary of a real time two-dimensional model of vertical circulation 9—62519
de Botton, N. *see* Argan, P. 9—85453, 9—85454, 9—89291
De Bouard, X. *see* Albrow, M.G. 9—75805
de Braak, H.P.van *see* van de Braak, H.P.
de Bree, E.W. *see* Gellings, P.J. 9—83177, 9—87616
de Brion, J.P. *see* Carroll, A.S. 9—63511
De Brouckere, L., Vennik, J., Nuyts, W. Short-term annealing effects in epitaxial Sm-YIGG 9—61191
de Bruijn, S. HAM/3: an algorithm or a theory? 9—89587
de Bruin, H.J. *see* Badwal, S.P.S. 9—96325
de Bruyn, A.G. *see* Katgert, P. 9—58436
De Bruyn, J. *see* Langouche, G. 9—82899
De Bruyn, J. *see* Van Rossum, M. 9—61279, 9—99809
de Bruyn Ouboter, R. Superflow in very long glass-capillaries 9—65273
de Bruyn Ouboter, R. *see* Hartoog, A. 9—55955
de Bruyn Ouboter, R. *see* Verbeek, H.J. 9—55956
De Candia, F. *see* Araimo, L. 9—74210
De Caprio, V. *see* Hurzeler, P. 9—70705
de Carvalho, C.A. Spin-orbit terms of the heavy-quark potential in the presence of instantons 9—71710
de Castro, A.R.B. *see* Turtelli, R.S. 9—78683
de Castro, M.Jimenez *see* Jimenez de Castro, M.
de Castro-Faria, N.V. *see* Cue, N. 9—76484
De Cesare, L. *see* Campana, L.S. 9—80502
de Chatel, P.F. *see* MacLaughlin, D.E. 9—78550
de Chatel, P.F. *see* Mattens, W.C.M. 9—51743
de Chene, R.Jan *see* Jan de Chene, R.
de Chernatony, L., Yarwood, J. Problems in the production and measurement of very high vacuum, especially in applications, and a new approach to measurement based on the use of field emission 9—71476
de Cheveigne, S., Klein, J., Leger, A. Adsorption of $C^{16}O$ and $C^{18}O$ on rhodium, observed by inelastic electron tunneling spectroscopy 9—65331
de Cindio, B. *see* Ferrini, F. 9—82011
De Clercq, C., Johnson, D.P., Lemonne, J., Peeters, P., Renton, P., Wickens, J., Musgrave, B., Phelan, J., Schultz, P., Smith, R., Snyder, A., Ammar, R., Davis, R., Eklund, C., Herder, L., Kwak, N., Loos, L., Riemer, R., Stump, R., Morris, W.A., Oh, B.Y., Pratap, M., Sionakides, G., Smith, G.A., Whitmore, J., Dao, F.T., Katsoufis, E., Mann, W.A., Schneps, J., Segar, A.J., Wald, H. Study of inclusive reactions $K^-p \rightarrow K^0+X$ and $K^-p \rightarrow \Lambda^0+X$ at 6.5 GeV/c 9—89188
de Combarieu, A. *see* Jolivet, J.M. 9—65266
de Combarieu, A. *see* Pierre, J. 9—78412
de Combarieu, A. *see* Regnault, L.P. 9—61151
De Concini, C., Vitiello, G. Quantization about a Yang-Mills pseudoparticle and the conformal group contraction 9—67464
de Coninck, F. Interaction of weakly amplified modes in nonlinear convectible instability 9—64650
de Coulon, F. *see* Pun, T. 9—100788
De Courville, J., Tchoubar, D., Tchoubar, C. Experimental determination of the orientation function—application to diffraction band calculation 9—86642
de Crescenzi, M., Harbeke, G., Tosatti, E. Energy dissipation of free exciton polaritons in semiconducting films 9—95870
De Crescenzi, M., Lopez-Rios, T., Vuye, G., Mansur, N.J., Borensztein, Y. The reflectance spectroscopy of silver surface layers on gold and aluminium substrates 9—78780
de Crescenzi, M. *see* Beaglehole, D. 9—95723
De Crescenzi, M. *see* Lopez-Rios, T. 9—83046
de Cristofaro, D. *see* Schwartz, M.D. 9—96642
De Crombrugghe, M., Hogaasen, H., Sorba, P. Narrow multiquark baryons 9—89119
de Delara, G.K. Classification problems of discrete and stationary stochastic signals 9—63002
De Deus, J.Dias *see* Dias De Deus, J.
De Diego, N., Kirn, M., Ruhle, M. Transmission electron microscopy studies of the ordering of nitrogen in tantalum 9—96021
De Dominicis, C. *see* Martin, P.C. 9—77082
de Dormale, B.M. A relativistic Lee model 9—71590
de Faria, M.Ribeiro *see* Ribeiro de Faria, M.
De Feijter, J.A. The propagation of surface shear waves. I. Theory 9—64679
de Feijter, J.A., Benjamins, J. The propagation of surface shear waves. II. Experiments 9—77146
De Feijter, J.A., Vrij, A. Contact angles in thin liquid films. III. Interaction forces in Newton black soap films 9—77870
de Felice, F. Effects of a gravitational wave on relativistic particles 9—75424
de Felice, F. On the velocity composition law in general relativity 9—93008
de Felice, F., Calvani, M. Causality violation in the Kerr metric 9—80479
de Felicio, J.R.D. *see* Rino, J.P. 9—54050
De Filippo, S., Scarpetta, G. Path integral analysis of the spontaneous breakdown of symmetry in a static ultralocal field theory 9—54249
de Fontaine, D. *see* Sanchez, J.M. 9—94943
de Fontaine, D. *see* Yamauchi, H. 9—60397
de Franceschi, J. *see* Eslami, H. 9—83175
de Freitas, C.R. Human climates of northern China 9—84468
De Freitas Pacheco, J.A., Sodre, L., Jr. The ionization of the shell of novae: a time-dependent model 9—53816
De Gance, A.E., Johns, L.E. On the dispersion coefficients for Poiseuille flow in a circular cylinder 9—60060
De Gance, A.E., Johns, L.E. The theory of dispersion of chemically active solutes in a rectilinear flow field 9—60072
de Gasperis, P. *see* Borghese, C. 9—65741
de Gasquet, B. *see* Martin, R. 9—69833
de Gee, A.W.J. *see* Francke, W. 9—83433
De Gennaro, S. *see* Borchi, E. 9—61043, 9—73495, 9—95384
de Gennes, P.G. Scaling laws for incompatible polymer solutions 9—60254
de Gennes, P.G. Incoherent scattering near a sol gel transition 9—61915
de Gennes, P.G. Colloid suspensions in a polymer solution 9—87879
de Gennes, P.G. Conjectures on the transition from Poiseuille to plug flow in suspensions 9—90316
de Gennes, P.G., Guyon, E. General laws for injection of a fluid into a hazardous porous medium 9—50791
de Gennes, P.G. *see* Brochard, F. 9—90516
de Gennes, P.G. *see* Nierlich, M. 9—77484
De Gennes, P.G. *see* Pincus, P. 9—94870
de Gennes, P.-G. Viscometric flows of tangled polymers 9—64711
de Giambiagi, M.S. *see* Esquivel, D.M.S. 9—76360
de Giambiagi, M.Segre *see* Segre de Giambiagi, M.
de Goeje, M.P. *see* Ijsselstein, R.R. 9—73358
de Goer, A.M. *see* Challis, L.J. 9—60441
de Goer, A.M. *see* Jolivet, J.M. 9—65266
de Goer, A.M. *see* Salce, B. 9—82395
de Graaf, A.M. *see* Hawkins, G.F. 9—78384
de Graaf, A.M. *see* Rechenberg, H.R. 9—61176
de Graaf, E.J. *see* Paans, A.M.J. 9—54696
de Graaf, L.A. *see* Steenbergen, C. 9—51016
de Graaf, P., Schicht, I.M., Pauwels, E.K.J., te Velde, J., de Graeff, J. Bone scintigraphy in renal osteodystrophy 9—70611
de Graaff, C.S. *see* Taylor, K.J.W. 9—92311
de Graeff, J. *see* de Graaf, P. 9—70611
de Grandpre, C.de Borne *see* de Borne de Grandpre, C.
De Grefte, H.A.M. *see* Gossink, R.G. 9—66182
De Greve, J.P. *see* Packet, W. 9—66994
De Greve, J.P. *see* Vanbeveren, D. 9—101172
De Groot, E.H., Gounaris, G.J., Schildknecht, D. Possible structures of neutral currents at PETRA/PEP and LEP 9—89096
De Groot, J., Bronsveld, P.M., De Hosson, J.Th.M. Superlattice dislocations in Cu_2NiZn 9—65082
de Groot, J. *see* Becker, H. 9—54363, 9—63533
de Groot, J.G.H., Hansl, T., Holder, M., Knobloch, J., May, J., Paar, H.P., Palazzi, P., Para, A., Ranjard, F., Schlatter, D., Steinberger, J., Suter, H., von Ruden, W., Wahl, H., Whitaker, S., Williams, E.G.H., Eisele, F., Kleinknecht, K., Lierl, H., Spahn, G., Willutzki, H.J., Dorth, W., Dydak, F., Geweniger, C., Hepp, V., Tittel, K., Wotschack, J., Bloch, P., Devaux, B., Loucatos, S., Maillard, J., Merlo, J.P., Peyaud, B., Rander, J., Savoy-Navarro, A., Turlay, R., Navarria, F.L. QCD analysis of charged-current structure functions 9—49462
de Groot, J.G.H., Hansl, T., Holder, M., Knobloch, J., May, J., Paar, H.P., Palazzi, P., Para, A., Ranjard, F., Schlatter, D., Steinberger, J., Suter, H., von Ruden, W., Wahl, H., Whitaker, S., Williams, E.G.H., Eisele, F., Kleinknecht, K., Lierl, H., Spahn, G., Willutzki, H.J., Dorth, W., Dydak, F., Geweniger, C., Hepp, V., Tittel, K., Wotschack, J., Bloch, P., Devaux, B., Loucatos, S., Maillard, J., Merlo, J.P., Peyaud, B., Rander, J., Savoy-Navarro, A., Turlay, R., Navarria, F.L. Comparison of moments from the valence structure function with QCD predictions 9—49521
de Groot, J.G.H., Hansl, T., Holder, M., Knobloch, J., May, J., Paar, H.P., Palazzi, P., Para, A., Ranjard, F., Schlatter, D., Steinberger, J., Suter, H., von Ruden, W., Wahl, H., Whitaker, S., Williams, E.G.H., Eisele, F., Kleinknecht, K., Lierl, H., Spahn, G., Willutzki, H.J., Dorth, W., Dydak, F., Geweniger, C., Hepp, V., Tittel, K., Wotschack, J., Bloch, P., Devaux, B., Loucatos, S., Maillard, J., Merlo, J.P., Peyaud, B., Rander, J., Savoy-Navarro, A., Turlay, R., Navarria, F.L. Inclusive interactions of high-energy neutrinos and antineutrinos in iron 9—75764
de Groot, J.G.H., Hansl, T., Holder, M., Knobloch, J., May, J., Paar, H.P., Palazzi, P., Para, A., Ranjard, F., Schlatter, D., Steinberger, J., Suter, H., von Ruden, W., Wahl, H., Whitaker, S., Williams, E.G.H., Eisele, F., Kleinknecht, K., Lierl, H., Spahn, G., Willutzki, H.J., Dorth, W., Dydak, F., Geweniger, C., Hepp, V., Tittel, K., Wotschack, J., Bloch, P., Devaux, B., Loucatos, S., Maillard, J., Merlo, J.P., Peyaud, B., Rander, J., Savoy-Navarro, A., Turlay, R., Navarria, F.L. Trimuon events observed in high-energy antineutrino interactions 9—85292
de Groot, J.G.H. *see* Jonker, M. 9—93399
de Groot, J.H. *see* Morris, M.C. 9—60223
de Groot, S.R., de Boer, W.P.H., van den Horn, L.J. Separation processes in the primordial neutrino-antineutrino gas 9—67126
de Groot, S.R., de Boer, W.P.H., van den Horn, L.J. Diffusion effects in the primordial neutrino-antineutrino gas 9—84875
de Groot, S.R., van Leeuwen, W.A., van Weert, C.G. The primordial neutrino gas 9—53950
de Groot, S.R., van Leeuwen, W.A., van Weert, Ch.G. Viscosity and heat conductivity of the primordial neutrino gas 9—84874
de Guerra, E.M., Kowalski, S. Current densities in the projected Hartree-Fock approach. I. Magnetic moments 9—89236
de Guise, J., Lafortune, M., Guardo, R. The Electrophysiological Data Interface 9—79677
de Haan, C.D. *see* Keizer, W.P.M.N. 9—80000
de Haan, H.J., Schjelderup, J.R. Threshold of intelligibility comprehensibility of rapid connected speech: method and instrumentation 9—68502
de Haas, H.A. *see* Bentley, P.G. 9—53210
De Haro, M.Lopez *see* Lopez De Haro, M.
de Heer, F.J. Charge condition of the projectile as a parameter in ion/atom collisions 9—50121
de Heer, F.J. *see* El-Sherbini, T.M. 9—98209
de Heer, F.J. *see* Mark, T.D. 9—81283
De Heer, F.J. *see* Mohlmann, G.R. 9—76521
De Heer, F.J. *see* Van Sprang, H.A. 9—59587, 9—85996
de Heer, F.J. *see* van Wingerden, B. 9—54980
de Hemptinne, X. *see* De Keuster, D. 9—74404
de Hoop, A.T. Pulsed electromagnetic radiation from a line source in a two-media configuration 9—64153
De Hosson, J.T.M. *see* Van Heugten, W.F.W.M. 9—65081
De Hosson, J.Th.M. *see* De Groot, J. 9—65082
de Hosson, J.Th.M. *see* van der Wegen, G.J.L. 9—55748
De Jager, C., Hoekstra, R., van der Hutcht, K.A., Kamperman, T.M., Lamers, H.J.G.L.M., Kondo, Y., Modisette, J.L., Morgan, T.H. Balloon-borne Ultraviolet Stellar Spectrograph. II. Highlights of first observational results 9—70955
de Jager, C., Vermue, J. Large turbulent elements in supergiant photospheres 9—75206
De Jager, C. *see* Kondo, Y. 9—70954
De Jager, C. *see* Vermue, J. 9—53803
de Jager, E.M., Kupper, T. The Schrodinger equation as a singular perturbation problem 9—49088
De Jesus Filho, M.F., Sanchez, J.P., Friedt, J.M. ^{121}Sb Mossbauer spectroscopy in some mixed-valence antimony hexachlorides 9—51890
de Jeu, W.H. *see* Leenhouts, F. 9—77512, 9—99057
de Jong, A., van der Valk, F. Associative ionisation of laser excited sodium in an atomic beam 9—98215
de Jong, A.F.M., Mook, W.G., Becker, B. Confirmation of the Suess wiggles: 3200-3700 BC 9—74952
de Jong, A.F.M. *see* Tans, P.P. 9—96801
De Jong, D., Brinkman, G.A., Lindmer, L. Excitation functions for the production of ^{76}Kr and ^{77}Kr 9—88191
de Jong, F., Tuinstra, F. Structural changes at the incommensurate phase transition of Na_2CO_3 9—95158
de Jong, K.P., Krol, D.M., Blasse, G. The luminescence properties of $MgUO_4$ 9—83012
de Jong, M. *see* Anderson, J. 9—54646
de Jong, M.S. *see* Abegg, R. 9—80934
de Jong, M.S. *see* Birchall, J. 9—75995
de Jong, T. *see* Tielens, A.G.G.M. 9—71091
de Jonge, W.J.M. *see* Basten, J.A.J. 9—51752, 9—73737
de Jonge, W.J.M. *see* Boersma, F. 9—61148

de Jonge, W.J.M. *see* Huizinga, S. 9—82803
de Jonge, W.J.M. *see* van Vlimmeren, Q.A.G. 9—61233, 9—61235
de Jongh, L.J. *see* Gonzalez, D. 9—61152
de Jongh, L.J. *see* Smit, J.J. 9—61143, 9—61187, 9—78426
De Jonghe, L.C. Fast ion conductors 9—86920
De Jonghe, L.C., Feldman, L., Millett, P. Some geometrical aspects of breakdown of sodium beta alumina 9—79096
de Jornada, J.A.H. *see* Baumvol, I.J.R. 9—82898
de Kamp, P.Van *see* Van de Kamp, P.
de Kanter, F.J.J., Kaptein, R. CIDNP transfer via nuclear dipolar relaxation and spin-spin coupling 9—54867
De Kee, D., Carreau, P.J. A constitutive equation derived from Lodges network theory 9—90207
De Keizer, A. *see* Van Der Drift, W.P.J.T. 9—96373
de Keroulas, F. *see* Donati, J.R. 9—91789
De Keuster, D., de Hemptinne, X. Chemical relaxation in CW CO_2 laser irradiated ethylene at low pressure 9—74404
de Klasz, I., Jan de Chene, R. Presence of Albian-Cenomanian in south-western Nigeria and its paleogeographic implications 9—84276
de Klerk, D. *see* van der May, G.P. 9—56601
de Klerk, D. *see* Van der Veeken, J.P.M. 9—56385
de Klerk, J., Weinert, R.W., McAvoy, B.R. SAW attenuation in hydrothermally grown single crystal ZnO 9—56063
de Klerk, J.J.M.J. *see* van Doorn, C.Z. 9—54119
de Klundert, L.J.M.van *see* van de Klundert, L.J.M.
de Kock, A.J.R. Introduction of defects into silicon during growth and processing 9—95925
de Kock, A.J.R., Stacy, W.T., van de Wijgert, W.M. The effect of doping on microdefect formation in as-grown dislocation-free Czochralski silicon crystals 9—69120
de Kock, L.C.J.M. Experiments in the FOM-Instituut voor Plasmafysica at Jutphaas, The Netherlands 9—98992
de Koning, H.W. *see* Schneider, T. *(editor)* 9—79444
de Kozak, A., Almai, M. The system DyF_3-KF 9—65171
de Kozak, A., Samouel, M. The system BaF_2-MnF_2-$M'F_3$ (M'=V,Cr). Comparative study of the barium fluorides and the elements of the 1st transition series 9—69090
de Kruijk, A. *see* van Duyl, W.A. 9—76272
de la Bathie, R.Perrier *see* Perrier de la Bathie, R.
de la Garanderie, H.Payen *see* Payen de la Garanderie, H.
de la Kampa, A. *see* Chetkin, M.V. 9—99725
de la Pena, L., Cetto, A.M. The quantum harmonic oscillator revisited: a new look from stochastic electrodynamics 9—49077
de la Ripelle, M.Fabre *see* Fabre de la Ripelle, M.
De La Rubia, J., Fairen, V., Velarde, M.G. Stochastic description of a reaction scheme with autocatalysis and saturation law 9—52623
De La Rubia, J., Ruil, L.F., Gomez Ordonez, J. Equilibrium correlation functions with various potentials 9—90502
de La Rubia, J., Rull, L.F., Ordonez, J.G. Elastic moduli of the Lennard-Jones fluid and soft-spheres model 9—60417
De La Rue, E.A. *see* De La Rue, R.E. 9—79413
De La Rue, R.E., De La Rue, E.A. The capital costs of industrial pollution control 9—79413
de Laat, S.W. *see* Moolenaar, W.H. 9—74612
de Lang, H., Dekkers, N.H. A posteriori focusing of a STEM using shadow image processing 9—80726
De Lang, H.N., van Kempen, H., Wyder, P. Quadratic magnetoresistivity of closed-orbit, uncompensated metals 9—95388
De Lange, A.R. Dispersion in annular climbing film flow 9—64751
De Lange, C.A. *see* De Leeuw, D.M. 9—50080, 9—54910
De Langhe, E., Hulsman, H., Aerts, F. A laser frequency stabiliser using single-photon detection 9—50334
de Lapparent, D. *see* Khairallah, A. 9—63723
De Lara, E. *see* Carrasco, L. 9—92788
de las Heras C. *see* C. de las Heras
De l'Aune, W.R. Project involved with the research and development of simulators of auditory and visual impairment 9—83982
De Leeuw, D.M., Mooyman, R., De Lange, C.A. He(I) photoelectron spectroscopy of transient species: the SeX_2 molecules (X=F, Cl and Br) 9—50080
De Leeuw, D.M., Mooyman, R., De Lange, C.A. Ultraviolet photoelectron spectroscopy of unstable species: formic anhydride 9—54910
de Leeuw, S.W. Collective modes in ionic liquids 9—55636
De Leeuw, S.W., Perram, J.W. Electrostatic lattice sums for semi-infinite lattices 9—71376
De Leo, R., D'Erasmo, G., Fiore, E.M., Pantaleo, A., Pignanelli, M., Geramb, H.V. Two-step effects in 15-35 MeV proton scattering from ^{24}Mg low-lying states 9—89304
De Lesquen, A. *see* Fujisaki, M. 9—49542, 9—58974, 9—63521
de Ligny, C.L. *see* Schuurman, H.J. 9—79318
de Ligny, C.L. *see* Van den Brand, J.A.G.M. 9—88190
de Lima, A.P., Hamilton, J.H., Ramayya, A.V., van Nooijen, B., Ronningen, R.M., Kawakami, H., Piercey, R.B., de Lima, E., Robinson, R.L., Kim, H.J., Tuttle, W.K., Peker, L.K., Rickey, F.A., Popli, R. Evidence for ground and both neutron and proton rotational aligned bands in ^{68}Ge 9—54377
de Lima, E. *see* de Lima, A.P. 9—54377
de Lima, O.F. *see* Brito, A.S. 9—87221
de L.M. Messenger, W. The safe transport of radio-active materials 9—67968
De Long, P.A. *see* Kazahaya, M. 9—68877
de Loore, C. *see* Hammerschlag-Hensberge, G. 9—80305
de Lorge, J. Disruption of behavior in mammals of three different sizes exposed to microwaves: extrapolation to larger mammals 9—100670
De Luca, C.J. Physiology and mathematics of myoelectric signals 9—74621
De Luca, C.J., Le Fever, R.S., Stulen, F.B. Pasteless electrode for clinical use 9—92413
De Luca, C.J. *see* Lichtenberg, B.K. 9—57623
De Luca, C.J. *see* Stulen, F.B. 9—70539
De Maeyer, M. *see* Nackaerts, R. 9—91061
de Magalhaes, G.C. An experiment in the use of the Keller method in teaching organic chemistry in a master's program 9—58461
De Marchi, A. *see* Godone, A. 9—68409
De Marco, F. *see* Ascoli-Bartoli, U. 9—60170
De Maria, M. *see* Cini, M. 9—84977
de Martinis, C. *see* Acerbi, E. 9—54659, 9—54669
de Martino, A. *see* Debrie, J. 9—49290
De Martino, S. *see* Fabrizio De Angelis, G. 9—97509
De Masi, A. One-dimensional DLR invariant measures are regular 9—67220
De Meijer, R.J. *see* Bingham, C.R. 9—75848
de Meijer, R.J. *see* Van der Borg, K. 9—67659
de Mello Aires, M. *see* Malnic, G. 9—92442
de Menezes, O.L.T. *see* Brouers, F. 9—56280
De Menna, L. *see* Coppi, B. 9—98936
de Menzies, Y.Q. *see* Caimi, E.A. 9—53485
De Merwe, R.Van *see* Van De Merwe, R.
de Mesmay, J. *see* Cuvellier, J. 9—86035
De Meulemeester, E., Deramaix, P. Sensitivity of fuel rod behaviour on as-fabricated characteristics 9—49805
de Mevergnies, M.Neve *see* Neve de Mevergnies, M.
de Mey, G. Theoretical analysis of the Hall effect photovoltaic cell 9—66408
De Meyer, H.E. On a common property of gravitational and chiral exponential Green functions 9—97490
De Meyer, H.E. *see* Vanden Berghe, G. 9—75817
De Michelis, C. *see* Breton, C. 9—80700
De Mol, C. *see* Bertero, M. 9—50236, 9—50240
De Monaster, F.M. Signals from blue cones in 'red-green' opponent-colour ganglion cells of the macaque retina 9—79549
De Montaigne, J. Measurement of liquid flow: the ultrasonic flow meter 9—50819
De Moor, G. *see* Andre, J.C. 9—58024
De Mori, R. Recent advances in automatic speech recognition 9—50536
De Mori, R., Laface, P., Piccolo, E. Computer interpretation of speech patterns based on formant trajectories 9—59877
De Mori, R., Lesmo, L., Poncini, M. The structure of a lexicon for a speech understanding system 9—64422
De Mori, R. *see* Belforte, G. 9—62386
De Muizon, M. *see* Courtin, R. 9—75151
de Murcia, M. *see* Gasiot, J. 9—91073
De Napoli, P.A. *see* Villani, S. 9—62260
de Neef, N.A. X-ray spectrometric analysis of high-alloy AlSi alloys 9—96394
De Notaristefani, F. *see* Amaldi, E. 9—71771
de Notaristefani, F. *see* Jonker, M. 9—93399
de Novion, C. *see* Gal, J. 9—51887
De Oliveira, A.D. *see* Wright, S. 9—90002
de Oliveira, C.P. *see* Chene, J. 9—99234
De Oliveira, F.F. *see* Guimaraes, J.R.C. 9—100143
de Oliveira, L.C.S. *see* Kodama, T. 9—85226
De Oliveira-Castro, F.M. On the diffusion-equations of nucleons and charged pions in the atmosphere 9—70936
de Padova, M. *see* Conti, M. 9—58793
De Pagter, J. *see* Baker, R.D. 9—89182
de Paiva, J.A.C. *see* Alvarez, R. 9—82921
de Pape, R. *see* Fourquet, J.L. 9—73144
de Pape, R. *see* Fourquet, J.-L. 9—95209
de Pasquale, F., Tombesi, P. The decay of an unstable equilibrium state near a 'critical point' 9—80557
De Pasquale, R.J. Uracil. A perspective 9—53035
de Pater, C.J. A neutron-scattering study of the modulation phase transitions of Rb_2ZnBr_4 9—95712
de Pater, C.J., Axe, J.D., Currat, R. Neutron scattering study of the incommensurate and commensurate phases of Rb_2ZnBr_4 9—82936
de Pater, C.J., Helmholdt, R.B. Incommensurate structural phase transformation in Na_2CO_3 9—86886
de Peter, C.J. An experimental study of the incommensurate phase transformations in Rb_2ZnBr_4 and Na_2CO_3 9—99310
De Pinho, A.G. *see* Montenegro, E.C. 9—85848
De Planque, G., Gesell, T.F. Second international intercomparison of environmental dosimeters 9—63817
de Potter, M. *see* Bruyn, J.De. 9—99810
de Potter, M. *see* Van Rossum, M. 9—99809
De Preville, Y. *see* Mercier, O. 9—96024
de Prince, F.C. *see* Chang, S.-L. 9—82470
de Prunele, E., Pascale, J. Theoretical model for the collision of high Rydberg atoms with neutral atoms or molecules 9—86051
de Raad, B. *see* Bossart, R. 9—72143
De Raaf, A.J. A versatile data handling system for nuclear physics experiments based on PDP 11/03 micro-computers 9—76319
de Raedt, B., de Raedt, H. Detailed study of the line widths of the spin waves in a one-dimensional antiferromagnet 9—51767
De Raedt, B., Michel, K.H. Dynamics of molecular impurities in crystals 9—60442
De Raedt, B. *see* De Raedt, H. 9—61144, 9—73661
De Raedt, H., De Raedt, B. Dynamics of the classical planar spin chain 9—61144
De Raedt, H., De Raedt, B. Static and dynamic properties of helical spin chains 9—73661
de Raedt, H. *see* de Raedt, B. 9—51767
de Raedt Hans *see* Hans de Raedt
De Rafael, E. *see* Floratos, E.G. 9—80796
de Reilhac, L. *see* Bimbot, R. 9—61927
de Ridder, R. Study of substitution order-disorder by means of X-ray and electron diffraction 9—68983
de Romera, A.M.V. *see* Murat, F. 9—74685
de Ronde, J. *see* McNally, N.J. 9—88116
de Roo, M. *see* Meyers, C. 9—97494
De Rooij, F.A.J. *see* Kivits, H.P.M. 9—87915
de Rosa, A., Inglima, C., Perillo, E., Rosato, E., Sandoli, M., Spadaccini, G. Coherence energies in pre-equilibrium emission 9—63652
De Rosa, A. *see* Sandoli, M. 9—68174
de Rougemont, J. *see* Benabid, A.L. 9—57804
de Ruiter, H.R. *see* Arps, H.C. 9—92879
de Ruiter, H.R. *see* Katgert, P. 9—75278
De Rujula, A. The current weak current 9—80786
De Rujula, A., Petronzio, R., Savoy-Navarro, A. Radiative corrections to high-energy neutrino scattering 9—80818
De Ruyck, J., Hirsch, C., Kool, P. An axial compressor end-wall boundary layer calculation method 9—98702
De Sabbata, V., Gasperini, M. Strong gravity with torsion: some cosmological deduction 9—97116
de Saintignon, P. *see* Buenerd, M. 9—71828
de Saja, A., Pastor, J.M., Rull, F., de Saja, J.A. Growth and some properties of cerium sulphate enneahydrate single crystals 9—52104
de Saja, J.A. *see* de Saja, A. 9—52104
De Sanctis, E. *see* Capitani, G.P. 9—72034
de Sanctis, E. *see* Royer, D. 9—67747
De Sanctis, E. *see* Ciofi Degli Atti, C. *(editor)* 9—71804
de Sanctis, G. *see* Vaghi, S. 9—58292
de Sanden, J.Van *see* Van de Sanden, J.
de Santiago, M. *see* Alonso, M. 9—57363
De Santis, P., Gori, F., Guattari, G., Palma, C. An example of a Collett-Wolf source 9—76783
De Santis, P. *see* Celio, R.B. 9—93425
De Santis, P. *see* Cesini, G. 9—72505
de Saussure, G. *see* Perez, R.B. 9—93590
de Schootbrugge, G.A.van *see* van de Schootbrugge, G.A.
De Schryver, F.C. *see* Coosemans, L. 9—85997
de Serra, E.C.B. *see* Murat, F. 9—74685
de Seze, L. *see* Andre, G. 9—61023
De Siebenthal, J.M., Bill, H. Investigation of sulfur molecular paramagnetic centers in $SrCl_2$ 9—51855
De Siena, S. *see* Fabrizio De Angelis, G. 9—97509
De Silvestri, S. *see* Cubeddu, R. 9—55150
De Simoni, B. *see* Casal, G. 9—84118
De siou Li *see* Li De siou
De Siqueira, M.L. *see* Fazzio, A. 9—99504
de Siqueira, M.L. *see* Riego, A.R. 9—73468
De Smedt, H. *see* Ceuterick, F. 9—53058
De Smet, D.J. *see* Berry, C.L. 9—88704
de Socio, L.M. Free convection at low Rayleigh number in two-dimensional cavities 9—64660
de Sousa, C.A. *see* Caldeira, M.H. 9—93037
de Sousa Pires, J., Ali, P., Crowder, B., d'Heurle, F., Petersson, S., Stolt, L., Tove, P.A. Measurements of the rectifying barrier heights of the various iridium silicides with n-Si 9—99619
de Sousa Pires, J. *see* Petersson, S. 9—82471
de Souza, E.P., Rapp, R.E., Lerner, E. A cryostat for measuring specific heats of adsorbed gases at low temperatures 9—58695
de Souza, E.P. *see* Rapp, R.E. 9—73317
de Souza, G.G.B. *see* Peixoto, E.M.A. 9—80721
De Souza, M. *see* Siu Li, M. 9—65112
De Sterke, A. Advances in the technology of mechanised ultrasonic testing 9—79193

de Swart, J.J. *see* Aerts, A.Th.M. 9—67518
de Swart, J.J. *see* Austen, G.J.M. 9—67527
de Swart, J.J. *see* Mulders, P.J. 9—67510
de Swart, J.J. *see* Nagels, M.M. 9—67526
De Swiniarski, R., Dinh-Lien Pham, Bagieu, G., Geramb, H.V. Elastic and inelastic scattering of ~40 MeV polarized protons from ^{90}Zr and ^{92}Zr 9—54428
de Swiniarski, R. *see* Bacher, A.D. 9—85482
de Swiniarski, R. *see* Dinh-Lien Pham 9—75963
de Tendler, R.H. *see* Nicolai, L.I. 9—73347
De Teresa, M.Del Carmon *see* Del Carmon De Teresa, M.
De Toldeo, A.Szanto *see* Szanto De Toldeo, A.
de Toledo, A.Szanto *see* Szanto de Toledo, A.
de Toledo-Morrell, L., Hoeppner, T.J., Morrell, F. Conditioned inhibition: selective response of single units 9—74624
de Unamuno, S. *see* Morfin, J.G. 9—71740
de Vaart, H.Van *see* Van de Vaart, H.
De Vany, A.S. Near perfect optical square 9—72721
De Vany, A.S. Generating large-diameter radius surfaces with small cutters 9—94373
De Vate, J.F.van *see* van De Vate, J.F.
de Vaucouleurs, A. *see* Barnes, T. 9—80330
de Vaucouleurs, A. *see* de Vaucouleurs, G. 9—67045
de Vaucouleurs, G. Supernova in NGC 4321 9—58364
de Vaucouleurs, G., de Vaucouleurs, A. Supernova in NGC 4321 9—67045
De Vaucouleurs, G., Nieto, J.-L. Luminosity distribution in the central regions of Messier 87: isothermal core, point source, or black hole? 9—71110
De Vaucouleurs, G., Nieto, J.-L. A photometric analysis of the jet in Messier 87 9—92848
De Vaucouleurs, G., Pence, W.D. Contributions to galaxy photometry. VIII. Reduction to the standard B_T system of the galaxy magnitudes in the Ames, Reiz, and Zwicky catalogs of the Virgo cluster area 9—58411
De Vaucouleurs, G., Pence, W.D. Contributions to galaxy photometry. IX. Reduction to the standard B_T system of magnitudes of 1180 galaxies in the Ames, Reiz, and Zwicky catalogs in the Virgo area 9—92852
de Vaucouleurs, G., Schnur, G.F.O. Supernova in NGC 4321 9—53835
de Vaucouleurs, G. *see* Barnes, T. 9—80330
de Vega, H.J. Gribov's ambiguities and horizons 9—71639
de Ven, T.G.M.van *see* van de Ven, T.G.M.
De Veny, J.B. *see* Goad, J.W. 9—75268
De Verdiere, A.C. Mean flow generation by topographic Rossby waves 9—96800
De Villedary, C. *see* Gendrin, R. 9—70921
de Villedary, C. *see* Robert, P. 9—70924
de Villeneuve, V.H. *see* Mook, G.A. 9—70694
de Villepin, J. *see* Goypiron, A. 9—95742
de Villiers, A.M.M., Joubert, J. Development of the infra-red heart beat monitor 9—83891
de Viron, F. Energy spectrum of the quark-antiquark-gluon states in the bag model 9—80807
de Voigt, M.J.A., Ockels, W.J., Sujkowski, Z., Lukasiak, J., Zglinski, A., Kerek, A. Gamma-ray multiplicities, energies and entry lines observed in equilibrium and pre-equilibrium decay following α-induced reactions 9—93549
De Voigt, M.J.A., Ockels, W.J., Sujkowski, Z., Zglinski, A., Mooibroek, J. Experimental investigation of the quasi-continuum γ-ray cascades following ^{160}Gd(α, xn)$^{164-x}$Dy reactions 9—75903
de Voigt, M.J.A. *see* Chmielewska, D. 9—93960
de Voigt, M.J.A. *see* Hageman, D.C.J.M. 9—71784
de Voigt, M.J.A. *see* Jansen, J.F.W. 9—67624
de Voigt, M.J.A. *see* Vold, P.B. 9—63591
De Volpi, A. Investigation of isotopically denatured plutonium 9—89385
De Vooght, D., Timmermans, W., De Batist, R. Study of the influence of some parameters on the sintering behaviour and properties of UC-based nuclear fuel materials 9—100100
de Voorde, H.Van *see* Van de Voorde, H.
De Voorde, M.Van *see* Van De Voorde, M.
De Vore, T.C., Gallaher, T.N. The vibrational infrared spectrum of CoO 9—89666
de Vorst, A.Van *see* Van de Vorst, A.
De Vos, A., Van Dhelsen, D. The temperature dependence of the electrical properties of thin tellurium films 9—95529
De Vos, J., Delaey, L., Aernoudt, E. Orientation dependence of mechanically induced transformations in copper-base alloys 9—87660
de Vreede, J.P.M., Dijkerman, H.A. Open Stark cell for infrared-microwave double resonance 9—63288
De Vreede, J.P.M. *see* Dekker, H. 9—89003
de Vreugd, C., Wijnaendts Van Resandt, R.W., Los, J. Electron-detachment in differential I^-+Ne cross section measurements 9—72403
De Vreugd, C., Wijnaendts Van Resandt, R.W., Los, J. The well depths of XeF^- and $XeCl^-$ from differential scattering measurements 9—86027
De Vreugd, C., Wijnaendts Van Resandt, R.W., Los, J., Smith, B.T., Champion, R.L. Differential cross sections for collisions of negative halogen ions and alkali atoms 9—98186
de Vries, A. Two classification systems for smectic phases, based on symmetry and order 9—64985
de Vries, A. The description of the smectic A and C phases and the smectic A-C phase transition of TCOOB with a diffuse-cone model 9—86674
De Vries, A., Ekachai, A., Spielberg, N. X-ray studies of liquid crystals. VI. The structure of the smectic A, C, B_n and B_t phases of trans-1,4-cyclohexane-di-n-octyloxybenzoate 9—86702
De Vries, A.E. *see* Van Veen, N.J.A. 9—76527
de Vries, C. Physics with the high-duty cycle electron accelerator under construction at IKO 9—72036
de Vries, C.P., Oskam, H.J. Production of excited cesium ions in helium-cesium afterglows 9—82116
de Vries, G.W. *see* van den Berg, H.A.M. 9—78488
de Vries, H., Wiersma, D.A. Fluorescence transient and optical free induction decay spectroscopy of pentacene in mixed crystals at 2K. Determination of intersystem crossing and internal conversion rates 9—81229
De Vries, H. *see* Peterson, G.A. 9—49891
de Vries, J., Chow, T.L. Hydrologic behavior of a forested mountain soil in coastal British Columbia 9—84320
De Vries, M.S. *see* Van Veen, N.J.A. 9—76527
de Vroomen, A.R. *see* van Hulst, K. 9—71496
de Waal, B.W.Van *see* Van de Waal, B.W.
de Waard, H., Bukshpan, S., Schrobilgen, G.J., Holloway, J.H., Martin, D. A Mossbauer study of xenon compounds 9—65772
De Waard, H. *see* Pleiter, F. 9—85411
de Waele, A.T.A.M., Coops, G.M., Gijsman, H.M. Considerations on mixing chambers 9—58703
de Walle, J.van *see* van de Walle, J.
De Walle, R.T.Van *see* Van De Walle, R.T.
de Warrimont, J.P.L.M.N. *see* Habets, A.H.M. 9—98762
de Weerd, J.P.C. *see* Stegeman, D.F. 9—88067
de Weert, C.M.M. Color contours and stereopsis 9—74677
De Wieclawik, W. *see* Vieu, Ch. 9—49572
de Wiel, H.J.Van *see* Van de Wiel, H.J.
de Wijgert, W.M.van *see* van de Wijgert, W.M.
de Wijn, H.W. *see* Dijkhuis, J.I. 9—73996
de Wijn, H.W. *see* van der Wal, A.J. 9—61258
de Wijn, H.W. *see* van Uijen, C.M.J. 9—61062, 9—61065
de Wilde, J. *see* Ruesink, W. 9—65364
de Wilde, W. A performing element for box-beam analysis by the finite-strip-method 9—80438
de Winter, F., Lyman, W.S. Optimum collection geometries for copper tube-copper sheet flat plate collectors 9—62040
de Winter, F., Cox, M. *(editor)* Sun: Mankind's Future Source of Energy 9—57357
de Wit, A.G.J., Bronckers, R.P.N., Fluit, J.M. Oxygen adsorption on Cu ($\bar{1}$10): Determination of atom positions with low energy ion scattering 9—51431
de Wit, A.G.J. *see* van Veen, A. 9—80716
De Wit, B., Van Holten, J.W. Multiplets of linearized SO(2) supergravity 9—80488
de Wit, B. *see* Berends, F.A. 9—63363, 9—75687
de Wit, M. *see* Hamaker, J. 9—62073
de Witt Huberts, P.K.A. *see* Platchkov, S.K. 9—93541
de Wolf, D.A. Operator and diagram techniques for solving intensity moment equations in random media: application to strong scattering 9—64154
de Wolf, D.A. Optical propagation through turbulent air 9—76593
de Wolf, E.A., Gysen, M., Tavernier, S., Verbeure, F., Ajinenko, I.V., Chliapnikov, P.V., Gerdyukov, L.N., Lugovsky, S.B., Riadovikov, V.N., Rybin, A.M., Tchikilev, O.G., Vorobjev, A.B., Dujardin, C., Grard, F., Laurent, J., de Beer, M., Laugier, J.P. Transverse-momentum correlations and impact-parameter bounds for exclusive K^+p reactions at 32 GeV/c 9—49543
de Wolff, P.M. *see* Hogervorst, A. 9—95157
de Wolff, P.M. *see* Janner, A. 9—94938
De Zanche, V. *see* Channell, J.E.T. 9—66613
de Zenobi, E.L. *see* Simon, M.C. 9—72722
De Zorzi, G. *see* Bacci, C. 9—93440
De Zorzi, G. *see* Celio, R.B. 9—93425
De Zotti, G. *see* Cavaliere, A. 9—71134
De Zwart, M., Van Doorn, C.Z. The field-induced square grid perturbation in the planar texture of cholesteric liquid crystals 9—90531
De-wen Din *see* Din De-wen
De-Yi Feng *see* Feng De-Yi
De-yuan Tian *see* Tian De-yuan
DeAcetis, L.A. *see* Einstein, F.S. 9—50194
Deacon, D.A.G. Behavior of synchrotron motion in a storage-ring laser 9—55103
Deacon, D.A.G., Madey, J.M.J. Boltzmann simulation of a storage ring laser 9—72547
Deacon, D.A.G. *see* Madey, J.M.J. 9—64193
Deacon, D.A.G. *see* Smith, T.I. 9—94246
DeAguiar, J.R. *see* Bible, R.E. 9—86271
Deakyne, M., Frati, W., Lande, K., Lee, C.K., Steinberg, R.I. The Homestake neutrino detector as a cosmic ray composition analyser 9—66903
Deakyne, M., Frati, W., Lande, K., Lee, C.K., Steinberg, R.I. The Homestake long-range neutrino detector research program 9—80107
Deal, B.E., Hurrle, A., Schulz, M.J. Chlorine concentration profiles in O_2/HCl and H_2O/HCl thermal silicon oxides using SIMS measurements 9—65110
Deamzeau, G. *see* Chevalier, B. 9—78104
Dean, B.A., Wigen, P.E. Effect of a metal film on the resonance spectra of yttrium iron garnet 9—78527
Dean, D.S. A review of ultrasonic transducer arrays 9—59898
Dean, E.M. *see* Sackett, J.I. 9—54558
Dean, J. Industrial noise control—a systematic approach 9—68483
Dean, J.F. *see* Cousins, A.W.J. 9—84804
Dean, J.W., Stewart, W. Performance of liquid helium refrigerator operated above the critical temperature 9—58736
Dean, P.J. *see* Tews, H. 9—78750
Dean, P.J. *see* Venghaus, H. 9—99941
Deane, A.M. *see* Praliaud, H. 9—100339
Deane, N.A. *see* Talwar, B. 9—49826
Deans, W.F., Richards, C.E. A simple and sensitive method of monitoring crack and load in compact fracture mechanics specimens using strain gages 9—83411
Dearborn, D.S.P., Blake, J.B. Effects of mass loss on the evolution of massive stars. II. Critical mass loss rates 9—101138
Dearnaley, G. Ion implantation of engineering components 9—83360
Dearnaley, G. *see* Collins, R.A. 9—79160
Deaver, B.S., Jr. *see* O'Connor, C.J. 9—73717
Deb, A.K. Technology transfer for medical electronics equipment 9—96680
Deb, P.C. Kinetic relationship in free radical polymerization 9—70323
Deb, S., Mukherjee, M.K., Dixit, P.N., Das, S., Maitra, K., Mukherjee, D., Mukherjee, S. Investigation on junction formation and realisation of high open-circuit voltage in Cu_xS-CdS solar cells 9—61986
Deb, S.K. *see* Neogy, C. 9—98179
deB. Beaver, D., Rosen, R. Studies in scientific collaboration. III. Professionalization and the natural history of modern scientific co-authorship 9—97178
Deb Ray, G. Similarity solutions for plane relativistic flow in a homogeneous medium 9—98826
Deb Roy, M. Effect of random variation in impurity concentration on Fermi level in n-type silicon 9—51470
Debarbat, S. Observations of Mars position with the Paris astrolabe 9—101103
Debarbat, S. *see* Chollet, F. 9—101051
Debarvat, S., Lam, S.K., Texier, P., Tomas, M., Vanhollebeke, J. Observations of Mars with the astrolabe at Paris Observatory during the winter 1977-1978 9—70982
Debauche, J.W., Jr. *see* Cooper, T.W. 9—83610
Debauche, M., Dehon, C., Brahy, N. Tanks for storage of spent fuel elements under sodium: Special design features and solutions proposed 9—97884
DeBear, W.S. *see* Neely, H.H. 9—54544
Debehogne, H., Machado, L.E. Positions of asteroids at ESO-La Silla by means of the GPO (f=400 cm, d=40 cm) in April 1978. (Detection of minor planets and asteroids near them or Comet Ashbrook-Jackson, obtained in 1978, with the 40 cm large objective prism (f=4 m) at ESO-La Silla) 9—58293
Debehogne, H., Machado, L.E. Reductions of observations of the Comet P/Ashbrook-Jackson at ESO La Silla by means of GPO (f=400 cm, D=40 cm) in April 1978 9—101117
Debehogne, H., Machado, L.E.S., Caldeira, J.F.C., Vieira, G.G., Netto, E.R. Minor planets' positions obtained in September 1977 with the 25 cm (f=1.70M) astrographic camera of the Observatorio Nacional do Brasil 9—70985
Debeir, M., Judd, M.D. Atmospheric trace contaminants—their measurement and identification for Spacelab 9—70387
Debel, C.P. Experimental evaluation of brittle crack propagation velocity-an improved technique 9—70236
DeBell, A.G. *see* Thompson, C.J.C. 9—82938
De'Bell, K. Application of the real-space renormalisation group to percolation at a surface 9—93057
Debenham, N.C. *see* Binnie, D.M. 9—54343
Debenham, N.C. *see* Karami, H. 9—75789
Debenham, P., Falk, W.R., Abou-Zeid, O., Davison, N.E. The ^{130}Te(p,α)^{127}Sb reaction and the role of the collective neutron excitations 9—67622
Debethune, J.L. Hybrid bulk-surface polaritons for solid plasma slabs in the ω_s to ω_p frequency range 9—60904
deBettencourt, J.T. *see* King, R.W.P. 9—92482
Debevec, P.T. *see* Pile, P.H. 9—63667

Debi, S., Sharma, S.K. Low-angle light scattering by homogeneous spherical cells: corrections to eikonal approximation 9—57304

Debi, S., Sharma, S.K. Investigation of domains of validity of approximation methods in light scattering from spherical obstacles 9—72495

Debish, A.M. *see* Dorman, L.I. 9—80140

Debnath, L. Dissipation of wave energy in an axisymmetric ocean model 9—79846

Debnath, L. *see* Chatterjee, A.K. 9—81874

Debney, B.T. *see* Burgess, J.W. 9—96450

Deboer, J.W.M., Hutchinson, D.A., Wan, J.K.S. Photochemical reduction of furil by pentrachlorophenol: cross relaxation and CIDNP 9—52694

DeBoer, J.W.M. *see* Elliot, A.J. 9—50052

Debongnie, J.F. On the approximation of incompressible materials in the displacement method 9—72801

DeBoo, R.V. *see* Schneider, R.G. 9—90204

Debordes, R. *see* Baribaud, G. 9—72209

Debras, G., Gilles, J.M., Lucas, A.A. Observation of overpressurized bubbles in helium-irradiated aluminium films 9—51165

Debray, D. *see* Decker, D.L. 9—73308

Debray, O. *see* Rougeul, A. 9—83729

Debray, P. *see* Laisne, A. 9—54635

Debrie, J., de Martino, A., Lequime, M., Frey, R., Pradere, F. Improvement of pyroanalyzer sensitivity for infrared and far-infrared studies 9—49290

Debrun, J.L. The role of charged particle activation for materials analysis 9—57310

Debrun, J.L. *see* Huber, A.M. 9—90988

Debrunner, H., Fluckiger, E., Von Mandach, H., Arens, M. Determination of the ring current radii from cosmic ray neutron monitor data for the 17 December 1971 magnetic storm 9—62685

Debrunner, H. *see* Born, E. 9—92652

Debrus, J. *see* van der Plicht, J. 9—54419

Debrus, S., Jonathan, J.M.C. Spatial differentiation of an intensity distribution using the Weigert effect in a silver chloride emulsion 9—81377

Debrus, S., Kinany, R. Detection of differences between two images using the Weigert effect 9—81376

Debrus, S., Sokolov, V. Improvement of the signal/noise ratio in the method of subtraction of images by speckle interferometry 9—86144

Debs, A.S. *see* Malik, M.A.S. 9—57371

Debuigne, J. *see* Ansel, D. 9—51306, 9—86915

Decamp, D. *see* Badier, J. 9—93460

DeCampli, W.M., Baliunas, S.L. What tides and flares do to RS Canum Venaticorum binaries 9—71068

Decampli, W.M., Cameron, A.G.W. Structure and evolution of isolated giant gaseous protoplanets 9—75123

DeCampli, W.M. *see* Shapiro, I.I. 9—66944

DeCampli, W.M. *see* Ward, W.R. 9—66943

Dechamps, M. Structure of twins in Fe-Ni martensite 9—77607

Decheva, S.K. Studies on the thermoelectric characteristics of cold-pressed materials of the type of $(GeTe)_x$-$(AgSbTe_2)_{(1-x)}$ 9—78123

Decker, D.L. The effect of the Gruneisen parameter on the Decker equation of state of NaCl 9—51233

Decker, D.L., Petersen, S., Debray, D., Lambert, M. Pressure-induced ferroelastic phase transition in $Pb_3(PO_4)_2$: A neutron-diffraction study 9—73308

Decker, I. Information contained in open systems by example of chemical reaction systems 9—91915

Decker, M.T., Westwater, E.R., Guiraud, F.O. Experimental evaluation of ground-based microwave radiometric sensing of atmospheric temperature and water vapour profiles 9—84392

Decker, R. *see* Ristori, C. 9—49610

Decker, W., Diehl, J., Mensch, W., Weller, M., Dunlop, A., Frank, W., Kronmuller, H., Schaefer, H.E., Schwendemann, B., Seeger, A., Stark, H.P., Walz, F. Interstitial migration in iron at 220K 9—55920

Decker, W. *see* Herlach, D. 9—56701

Deckers, J.M. *see* Costa, M.D. 9—77432

Deckers, J.M. *see* Smith, J.N. 9—90477

Deckert, C.A., Andrus, J. Stress of electroless nickel films on stainless steel by proximity measurement 9—64611

Deckker, B.E.L. Compressible flow through square edge rectangular orifices 9—77161

Deckman, H. *see* Yaakobi, B. 9—54598

Deckman, H.W., Halpern, G.M. Fuel content characterization and pressure retention measurements of DT-filled laser fusion microballoon targets 9—54594

Declercq, J.P., Germain, G., Woolfson, M.M. On the application of phase relationships to complex structures. XVII. When MULTAN fails 9—73062

Declercq, J.-P. *see* Piret, P. 9—90606

Decol, F.H. *see* Burns, G. 9—95111

Decomps, B. *see* Borde, C.J. 9—93985

Deconninck, G. *see* Stroobants, J.B. 9—70608

DeCorpo, J.J. *see* Colton, R.J. 9—86986

Decoste, R., Bodner, S.E., Ripin, B.H., McLean, E.A., Obenschain, S.P., Armstrong, C.M. Ablative acceleration of laser-irradiated thin-foil targets 9—71952

Decoste, R., Ripin, B.H. Secondary-electron emission by energetic ions incident on metal surfaces 9—78804

Decoste, R. *see* Armstrong, C.M. 9—98944

Decoste, R. *see* Ripin, B.H. 9—86596

DeCoster, M.A. *see* Kudirka, A.A. 9—76071

Decotignie, J.D., Gardiol, F.E. Analytic methods for study of propagation in optic fibres 9—90001

DeCristofaro, N. *see* O'Handley, R.C. 9—87289

Decroisette, M. *see* Griesemann, J.C. 9—90455

Decroux, M., Seeber, B., Fischer, O., Delesclefs, R. Anisotropy of H_{c2} in the Chevrel phases 9—56460

Decroux, M. *see* Fischer, O. 9—61003

Decuyper, J., Skull, G., Hery, M., Hennebicq, J.P., Acket, C. The control system adopted for Super-Phenix [power station]. Reasons for choice and evaluation of performance 9—76106

Decyk, V.K., Dawson, J.M. Computer model for bounded plasma 9—55542

Dedecker, P. The Helmholtz-Cartan theorem for a simple integral of higher order 9—71238

Dedegkaev, T.T. *see* Gartsman, K.G. 9—85150

Dedenko, L.G. *see* Khristiansen, G.B. 9—80167

Dederichs, P.H. *see* Hatcher, R.D. 9—77595

Dederichs, P.H. *see* Zeller, R. 9—78040

Dedet, L. *see* Rougeul, A. 9—83729

Dedgaonkar, R.P., Raman, T.R.V., Ranade, S.N., Lokre, V.L. A simple piezoelectric quartz transducer 9—88939

Dedkov, Yu.M., Subbotina, E.I. Methods for determination of surface-active agents in waste waters (review) 9—53007

Dedov, L.V. *see* Drozdov, A.P. 9—70275

Dedrick, R.L. *see* Goldstein, S.R. 9—92455

Dedukh, L.M., Nikitenko, V.I. Interaction between Bloch walls and dislocations in garnet films possessing a cylindrical domain structure 9—61196

Dedushenko, K.B. *see* Borodulin, V.I. 9—89933

Dedushenko, K.B. *see* Goncharov, I.G. 9—90038, 9—94238

Dee, D. *see* O'Keefe, D. 9—98350

Dee, R. *see* Schuller, I. 9—95515

Dee, R.H., Carolan, J.F., Turrell, B.G., Greene, R.L., Street, G.B. Magnetic properties of the superconducting polymers $(SN)_x$ and $(SNBr_{0.4})_x$ 9—56375

Dee, R.H., Chaikin, P.M., Ong, N.P. Electric-field-dependent thermopower of $NbSe_3$ 9—56204

Dee, R.H., Guenault, A.M., Walker, E.A. Laminar intermediate state in superconducting In and Sn 9—65620

Deeley, A.M. *see* Smith, A.J. 9—74975

Deen, J.K.van *see* van Deen, J.K.

Deenen, J. *see* Beart, G. 9—49588

Deepak, A. *see* Box, M.A. 9—74957, 9—80015

Deerenberg, A.J.M. *see* Davelaar, J. 9—71085

Deeth, C. *see* Crabtree, J.J. 9—75497

Deev, A.A., Pilyugin, N.N. Optimum body conformation for radiative heating along a prescribed trajectory 9—80189

Deev, V.V., Frolov, G.D., Frolova, E.A. One of the methods for recognizing acoustic signals 9—50531

Deeva, L.P. *see* Rakhlin, L.L. 9—52162

DeFacio, B., Dennis, P.W., Retzloff, D.G. Equivalence of two approaches to noninertial observers 9—97193

DeForest, S. *see* Lin, C.S. 9—101027

DeForest, S.E. *see* Garrett, H.B. 9—80087, 9—84594

Defrain, A. *see* Bererhi, A. 9—51447

Defranould, Ph. *see* Riviere, A. 9—57735

DeFreece, D.A. Fusion energy. Utility requirements and economics 9—76145

DeFrees, D.J., Hehre, W.J., McIver, R.T., Jr., McDaniel, D.H. Heat of formation and adiabatic electron affinity of NH_2 9—91987

Defreese, J.D., Walczak, K.M., Malmstadt, H.V. Microcomputer-controlled monochromator accessory module for dual wavelength spectrochemical procedures 9—74440

Degani, D., Hussaini, M.Y., Baldwin, B.S. Numerical solution for supersonic flow near the trailing edge of a flat plate 9—77172

Degani, J. *see* Levitan, E. 9—74748

Degasperis, A. *see* Calogero, F. 9—49019, 9—75370

Degauque, J., Astie, B., Kubin, L.P. Evidence for the interaction between 90° domain walls and dislocation tangles in high-purity iron from magnetomechanical damping experiments 9—78496

Degele, D. *see* Bothe, W. 9—68000

Degen, K. *see* Hadjistamov, D. 9—77232

Degenhardt, W. *see* Davies, K. 9—75020

Degenkolb, E.O. *see* Kobayashi, T. 9—81227

DeGinder, W.L. *see* Mistry, V.D. 9—62368

Degiorgio, V., Giglio, M., Vendramini, A. Transient and steady-state behavior of the Soret-driven instability. Analogy with the laser instability 9—55413

Degischer, H.P. *see* Zahra, A. 9—74165

Degli Atti, C.Ciofi *see* Ciofi Degli Atti, C.

Deglow, T.L. Background gas penetration of gas mixtures into underexpanded jets 9—94655

DeGraff, E.D. Electrons by the bucketful—an industrial irradiation service center 9—54215

DeGrand, T. *see* Brodsky, S.J. 9—49565

DeGrand, T.A. Hadronic fragmentation initiated by pointlike probes 9—49551

Degrand, T.A. Structure functions of quarks, gluons and hadrons in quantum chromodynamics 9—54318

DeGrand, T.A. Photon production by gluon jets 9—75732

Degrange, B. The reaction $e^+e^- \to \mu^+\mu^-$ (or $\tau^+\tau^-$) with two neutral weak bosons at LEP energies 9—97616

Degrange, B. *see* Armenise, N. 9—67536, 9—93397, 9—93398

Degrange, B. *see* Bonetti, S. 9—49509

Degrange, B. *see* Ciampolillo, S. 9—71739

Degrange, B. *see* Pohl, M. 9—49507

Degre, A. *see* Bourquin, M. 9—71768

DeGregoria, A.J. Understanding the self-interaction of charged particles 9—67486

Degreve, F. *see* Laty, P. 9—91556

Degrift, C.T.Van *see* Van Degrift, C.T.

Degtereva, L.N. *see* Kolesnikov, P.M. 9—81695

Degtyar', R.G. *see* Melik-Adamyan, V.R. 9—66444

Degtyarenko, G.I., El'kind, G.M. Residual-stress measurement on consolidated molding mixtures 9—87791

Degtyarev, L.M., Krylov, V.V. On the asymptotic of the solution of the self-focusing problem of light in a cubic medium 9—76769

Degtyarev, L.M., Solov'ev, G.I., Shapiro, V.D., Shevchenko, V.I. Formation of 'tails' of fast electrons in a strong Langmuir turbulence 9—68922

Degtyarev, P.A., Korytnaya, F.M., Pokrovskii, A.N., Kovba, L.M. Crystal structure of $K_3Yb(SO_4)_3$ 9—65058

Degtyarev, P.A., Pokrovskii, A.N., Kovba, L.M. Crystal structure of the anhydrous double sulfate $KPr(SO_4)_2$ 9—55725

Degtyarev, V.G. *see* Bykovskii, Yu.A. 9—83532

Degtyarev, V.I., Lagveshkin, V.Ya. Measuring the depth of an unrestored indentation in testing hardness 9—83418

Degtyareva, A.S. *see* Presnyakov, A.A. 9—79033

Degtyareva, E.V., Verba, L.I. Activity of the raw material and the firing conditions as factors in the sintering and growth of calcium titanate grains 9—83161

Degtyareva, E.V. *see* Dorodnyl, B.A. 9—83149

Degtyareva, E.V. *see* Orlova, I.G. 9—61546

Degtyareva, E.V. *see* Verba, L.I. 9—87599

Degtyareva, V.F. *see* Antonov, V.E. 9—69671

Degtyareva, V.F. *see* Sikorov, V.N. 9—91641

Deguchi, K. Green's function theory of multiphoton ionization 9—89650

Deguchi, K. Critical behavior in thermal expansion coefficient and dielectric constant of triglycine sulfate 9—91334

Deguchi, K. Electron scattering from atoms within a laser field: Green's function method 9—94086

Degueurce, L. *see* Aknin, J.P. 9—68001

Deguin, A. *see* Meaudre, M. 9—90822

Deharveng, J.M. *see* Maucherat-Joubert, M. 9—58299

DeHaven, G.D. *see* Sakurada, Y. 9—54680

Dehennau, C. *see* Chauffoureaux, J.C. 9—64618

Dehmer, J.L. *see* Dehmer, P.M. 9—68264

Dehmer, J.L. *see* Stockbauer, R. 9—98167

Dehmer, J.L. *see* Wallace, S. 9—81238

Dehmer, P.M., Dehmer, J.L. Photoelectron spectroscopy using a supersonic molecular beam source. The $^2B_{3u} + e^- \leftarrow {}^1A_g$ transition in ethylene 9—68264

Dehne, H.C., Rossmanith, R., Schmidt, R. Measurement of beam-polarization in the storage ring 'PETRA' 9—63839

Dehne, H.C. *see* Berger, C. 9—49519

Dehne, H.C. *see* Bothe, W. 9—68000

Dehnhard, D., Saathoff, W., Bhatia, T.S., Wannebo, K., Wiedner, C.-A. Two-proton transfer reaction $^{48}Ca(^{18}O,^{16}C)^{50}Ti$ at 102 MeV 9—63700

DeHoff, P.H. *see* Bingham, D.N. 9—96592

Dehon, C. *see* Debauche, M. 9—97884

DeHosson, J.Th.M. Atomistic approach to ordering in Cu_2NiZn 9—94944

Dei, D.E. *see* Husseiny, A.A. 9—86588, 9—90418

Deigen, M.F. *see* Glinchuk, M.D. 9—90992

Deinega, Yu.F., Kovganich, N.Ya., Popko, K.K. Electrokinetic and polarization phenomena in disperse hydrocarbon systems 9—83514

Deinega, Yu.F. *see* Ul'berg, Z.R. 9—56938

Deines, J.L., Philbrick, J.W., Poponiak, M.R., Dove, D.B. Correlation of electrolytic-etch and surface-photovoltage techniques for the detection of electrically active defects in silicon 9—77929

Deininghaus, U., Graham, R. Nonlinear point transformations and covariant interpretation of path integrals 9—84945

Deininghaus, U., Mehring, M. Spin-temperature oscillations in the spin-locking experiment 9—99785

Deis, J.E. *see* Tanner, D.B. 9—95761

Deiss, J.L. *see* Wecker, C. 9—95802
Deissler, R.G. On the localness of the spectral energy transfer in turbulence 9—77081
Deitrich, L.W. An overview of fission gas effects in hypothetical fast reactor accidents 9—67900
Deitrich, L.W. *see* DiMelfi, R.J. 9—54532, 9—59169
Deitz, P., Constantine, J.G. Passive MMW detection in snow 9—84467
DeJongh, M.A. *see* Roesink, H.D.W. 9—89047
Dejou, A. The over-all development of electrical energy 9—92048
Deju, R. *see* Turcanu, C.N. 9—81009
Deka, B.K., Dyer, P.E. Nanosecond HF laser pulse generation using argon gas breakdown 9—81465
Deka, M., Claus, R.O. Measurements of surface waves on an optical flat by reflective interferometry 9—76931
Dekabrun, L.L. *see* Baryshev, V.I. 9—53535
Dekel, A., Shaham, J. On the dark halo of NGC 4565 9—62905
Dekena, E.K. *see* Pentyush, E.V. 9—56723
Deker, U. Perturbation theory for classical random processes with arbitrary preparation 9—54057
Dekeyser, R. Time-dependent correlations for spin Van der Waals systems 9—61130
Dekeyser, R. Renormalization calculation of the ground state energy of some quantum models 9—61150
Dekeyser, R., Lee, M.H. Time-dependent correlations for the anisotropic Heisenberg models in the high-density limit 9—54071
Dekeyser, R. *see* Lee, M.H. 9—55941
Dekhoti, Kh. *see* Baiburina, S.G. 9—80156, 9—80170
Dekhtyar', A.S. *see* Rasskazov, A.O. 9—87698
Dekhtyar, I.Ya., Adonkin, V.T., Rustamov, Sh.A., Dekhtyar, M.I., Sedov, Yu.A. Positron annihilation in molybdenum single crystals with radiation defects 9—99970
Dekhtyar, I.Ya., Madatova, E.G., Nancheva, N.M. Relation between the electronic structure of defects and the strength characteristics of a metal according to positron annihilation data 9—91526
Dekhtyar, I.Ya., Madatova, E.G., Sakharova, S.G., Fedchenko, R.G., Bukhalenko, V.V. A study of the magnetic properties of composite materials 9—87314
Dekhtyar, I.Ya., Nishchenko, M.M., Bukhalenko, V.V., Kharitonskii, S.Ya. Mossbauer effect of the system Nb-Fe formed under the influence of laser radiation 9—60560
Dekhtyar, I.Ya., Shevchenko, V.I. Effect of absorbed hydrogen on positron annihilation in Pd-Ag and Pd-Cu systems 9—91528
Dekhtyar, I.Ya. *see* Cizek, A. 9—52040, 9—95052
Dekhtyar, I.Ya. *see* Pan, V.M. 9—60463
Dekhtyar, M.I., Shalaev, A.M. Kinetics of [changes in] the surface concentration of alloy components under conditions of vacuum sputtering and volatilisation 9—60608
Dekhtyar, M.I. *see* Dekhtyar, I.Ya. 9—99970
Deki, K., Yamamoto, H., Ohta, T. Frequency stabilization of a gas laser utilizing the magnetic field tuning dip 9—55153
Dekker, A.J. *see* Leenhouts, F. 9—77512, 9—90711, 9—99057
Dekker, B.G. *see* Van den Brand, J.A.G.M. 9—88190
Dekker, E. *see* Wouterloot, J.G.A. 9—71096
Dekker, H. Functional integration and the Onsager-Machlup Lagrangian for continuous Markov processes in Riemannian geometries 9—80522
Dekker, H., De Vreede, J.P.M. On the theory of ultra-short time resolved photo-detection 9—89003
Dekker, H. *see* Jochems, R. 9—75529
Dekkers, N.H. Object wave reconstruction in STEM 9—54230
Dekkers, N.H. *see* de Lang, H. 9—80726
Dekleva, N. *see* Majic, V. 9—53164
DeKock, J.R. *see* Hershkowitz, N. 9—90378
Del', G.D., Eliseev, V.V. Change in stresses and the warping of a sheet during heating 9—59920
Del', G.D. *see* Gromovoi, A.P. 9—68601
Del Bene, J.E. A comparative study of H^+ and Li^+ interactions with oxygen bases 9—76331
del Campo, F. *see* Martinez, A.C. 9—74693, 9—79566
del Campo, J.Gomez *see* Gomez del Campo, J.
Del Carmon De Teresa, M. *see* Keller, J. 9—60675
del Conde P., G. Ab initio SCF MO study of hydrogen bonds between H_2S and H_2O molecules 9—89607
Del Cueto, J.A. *see* Prasad, S.K. 9—100151
Del Dotto, P. *see* Villani, S. 9—62260, 9—79517
Del Fabbro, R. *see* Bacci, C. 9—93440
Del Fabbro, R. *see* Celio, R.B. 9—93425
Del Genio, A.D., Schubert, G., Straus, J.M. Characteristics of acoustic-gravity waves in a diffusively separated atmosphere 9—74933
Del Grosso, G. *see* Campanino, M. 9—97296
Del Guerra, A. *see* Bailey, J. 9—59053
del Moral, A. *see* Abell, J.S. 9—73769
Del Nero, G.L. *see* Azzoni, C.B. 9—95634
del Papa, C., Dorfan, D., Flatte, S.M., Grillo, A., Heusch, C.A., Lieberman, B., Moss, L., Schalk, T., Seiden, A., Bunnell, K., Duong-van, M., Mozley, R., Odian, A., Villa, F., Wang, L.C. Exclusive vector-meson production in muon-proton scattering 9—49528
Del Piero, G. Some properties of the set of fourth-order tensors, with application to elasticity 9—97202
Del Pizzo, V., Luther-Davies, B. Evidence of filamentation (self-focusing) of a laser beam propagating in a laser-produced aluminium plasma 9—82064
Del Pizzo, V. *see* Luther-Davies, B. 9—98404
del Pozo, E. *see* Dubinsky, B.A. 9—96909
Del Re, E. *see* Cappellini, V. 9—96670
Del Regato, J.A. Antoine Beclere 9—62982
Del Regato, J.A. The 1978 survey of training of therapeutic radiologists in the United States 9—84878
Del Rey, M., Hase, Y. Normal coordinate analysis of $[Co(NH_3)_6]X_3$ (X=Cl, Br and I) 9—69203
Del Rio, J.L. *see* Garcia-Colin, L.S. 9—80500
Del Sole, R. *see* D'Andrea, A. 9—69430
Del Vecchio, R.M., Meiksin, Z.H. The effect of substrate radiation damage on the stability of discontinuous films 9—95520
Del Vecchio, R.M., Meiksin, Z.H. A quantitative formulation of resistance and strain gauge factor expressions for discontinuous films 9—95521
Delaey, L. *see* De Vos, J. 9—87660
Delaey, L. *see* Guenin, G. 9—55807, 9—77696
Delaey, L. *see* Wollants, P. 9—74153, 9—87635
Delafond, J. *see* Templier, C. 9—96032
Delagrange, H. *see* Carjan, N. 9—67662
Delahaye, J.P., Lefevre, P., Riunaud, J.P. Improved recombination of the 20 PSB bunches and merging into 5 dense bunches in the CERN Proton Synchrotron 9—76192
Delahoy, A.E. *see* Dey, S.K. 9—92077
Delale, F., Bakirtas, I., Erdogan, F. The problem of an inclined crack in an orthotropic strip 9—64594
Delale, F., Erdogan, F. Bonded orthotropic strips with cracks 9—81809
Delamotte, E. *see* Young, D.J. 9—65229
Delanaye, F., Brouers, F., Gaspard, J.P., Khan, H.R. Density of states of ordered and disordered A-15 phase 9—87033
DeLand, F.H. *see* Krolikiewicz, H. 9—74738
DeLand, F.H. *see* Smith, R.B. 9—79637
DeLand, P. *see* Janzen, D. 9—75595
Delaney, J.B., Butler, J.K. The effect of device geometry on lateral mode content of stripe geometry lasers 9—98363
Delaney, M.F., Uden, P.C. Digitizer for generating computer readable data 9—74454
Delaney, M.J. *see* Ushioda, S. 9—95769
Delang, W. *see* Van den Cruyce, J.M. 9—93491
Delannay, F., Gajardo, P., Grange, P. Joint use of electron probe microanalysis and of electron microscopy for the study of the oxidic precursory state of Co-Mo supported on SiO_2 and γ-Al_2O_3 hydrotreating catalysts 9—61898
Delannay, F., Thakur, D.S., Delmon, B. TEM, SEM and electron microprobe study of unsupported Co, Fe or Ni promoted, MoS_2 hydrotreating catalysts 9—52762
Delannoy, B., Torguet, R., Bruneel, C., Bridoux, E., Rouvaen, J.M., Lasota, H. Acoustical image reconstruction in parallel-processing analog electronic systems 9—81638
Delannoy, C. *see* Lefeuvre, F. 9—68926
Delannoy, M. *see* Perrin, G. 9—65135
Delany, J.M. *see* Kieffer, S.W. 9—79769
Delany, M.E., Bazley, E.N. A damped flat-plate coupler for use in calibrating circumaural earphones 9—86316
Delapalme, A., Deportes, J., Lemaire, R., Hardman, K., James, W.J. Magnetic interactions in R_6Mn_{23} rare earth intermetallics 9—78322
Delapalme, A. *see* Busch, G. 9—56515
Delaplace, J. *see* Azam, N. 9—90558
Delaplace, J. *see* Baron, J.-L. 9—92091
Delaporte, T. *see* Menard, J. 9—98397
Delara, G.K.de *see* de Delara, G.K.
DeLaRue, R.M. *see* Van Uitert, L.G. 9—49219
Delasanto, P.P., Quarati, P. Perturbative calculations of nuclear-reaction cross sections 9—63638
Delatre, J.-L. *see* Rodet, X. 9—64441
Delaunay, B. *see* Borderie, B. 9—79352
Delaunay, D., Huntz, A.M., Lacombe, P. Influence of yttrium on the volumetric and intergranular diffusion of ^{63}Ni and ^{51}Cr in 80/20 nickel-chromium alloy 9—83382
Delaunay, D. *see* Conan, A. 9—91047
Delaunay, J., Guiraud, R., Weber, C. Seismotectonic interpretation of the Corsica earthquake April 3, 1978 9—74838
Delaunay, J. *see* Hellmeister, H.P. 9—80863
Delavignette, P. *see* Colaitis, D. 9—51056, 9—86761
Delavignette, P. *see* Karakostas, T. 9—55752
Delavignette, P. *see* Nouet, G. 9—60379
Delavignette, P. *see* Van Dyck, D. 9—82187
Delavignette, P. *see* Watari, F. 9—86802
Delaye, M. Coherence length and angular susceptibility divergences above a smectic-A to smectic-C phase transition observed by Rayleigh scattering 9—95131
Delayen, J.R., Dick, G.J., Mercereau, J.E., Noe, J.W., Paul, P., Sprouse, G.D. Status of the Stony Brook superconducting heavy-ion linac 9—67986
Delbaere, L.T., Brayer, G.D., James, M.N.G. Comparison of the predicted model of α-lytic protease with the X-ray structure 9—62178
Delbar, T., Gregoire, G., Paic, G. Phase-space analysis of continuous spectra 9—76000
Delcambre, Y. *see* Demeester, M. 9—62404
Delcet, J., Egan, J.J. Thermodynamics of liquid Ca-Zn alloys 9—52173
Delchambre, M. *see* Bastin, H. 9—76047
Delchev, I.I., Petkov, I.J., Marchev, E.K. A view on reactions of complete fusion 9—49643
Delclos, L. *see* Boulware, R.J. 9—100708
Delcourt, B. *see* Courau, A. 9—67529
deLeeuw, J.H. *see* Tong, D.T.L. 9—94663
Delery, J. Analysis of the separation due to shock wave—turbulent boundary layer interaction in transonic flow 9—77186
Delery, J. *see* Surget, J. 9—86542
Delesclefs, R. *see* Decroux, M. 9—56460
Delettrez, J. *see* Yaakobi, B. 9—54598
Delettrez, J.A. *see* Goldman, E.B. 9—54596
Delfino, B., Liberti, G., Molinari, G., Viviani, A. Study of the influence of pressure on liquid nitrogen breakdown strength in the millimetre gap range 9—91357
Delfino, M. A comprehensive optical second harmonic generation study of the non-centrosymmetric character of biological structures 9—74599
Delfino, S., Saccone, A., Ferro, R. Phase equilibria in the praseodymium-indium system 9—91621
Delgado, A. *see* Hodgson, E.R. 9—55737
Delgado, R.L. *see* Gratton, E. 9—72447
Delgado Garcia, A., Mira Mira, J., Moreno Diaz, R. A conceptual model of cerebral dynamics 9—92205
Delgado-Barrio, G., Moscardo, F. Theoretical study of the autoionization spectrum of lithium 9—89647
Delgado-Barrio, G., Villarreal, P., Smeyer, Y.G. Study of the transfer of kinetic energy and vibrational energy in the system $O(^1D)+N_2(^1\Sigma_g^+)$, with a classical trajectory model 9—89745
Delgado-Barrio, G. *see* Beswick, J.A. 9—68278
Delgass, W.N. *see* Winogard, N. 9—78810
DelGaudio, A.M. *see* Bloom, D.M. 9—94358
Delgow, T.L., Muntz, E.P. Isotope separation by jet-background interaction 9—54983
Delhaes, P. *see* Flandrois, S. 9—73122
Delhalle, J., Montigny, R., Demanet, C., Andre, J.M. Conformational origin of peak structure arising in the XPS spectrum of an isotactic polypropylene 9—89819
Delhalle, J., Thelen, D., Andre, J.M. B.I.P. An interactive graphic system for indexing energy bands of model polymers 9—59608
Delhomme, B. *see* Blanchet, R. 9—56937
Delibasis, N., Carydis, P. Recent earthquake activity in Trichonis region and its tectonic significance 9—84114
Delichatsios, M.A. Time similarity analysis of unsteady buoyant plumes in neutral surroundings 9—81870
Delides, C.G., Adshead, A. Effect of filter on network behaviour at high elongation 9—79049
Delides, C.G., King, T.A. High frequency ultrasonic studies of poly(dimethylsiloxane) networks 9—95091
Delides, C.G. *see* Adshead, A. 9—91457
Deline, V. *see* Gibbons, J.F. 9—73182
Deline, V.R. *see* Chelgren, J.E. 9—83073
Deline, V.R. *see* Tsai, M.Y. 9—69152
Delisle, C., Bouillon, G., Tremblay, G. Metrology of optical benches. Application to the special case of a Rowland concave grating spectrometer 9—98514
Delisle, C. *see* Chrostowski, J. 9—85163, 9—97420
Delisle, C. *see* Girard, A. 9—74010
Delisle, G. High radioactive waste in salt formation 9—54566
Delisle, J.P., Allegre, R., Besoux, M., Lalande, R., Ollivier, J., Snrech, D. Replacement of the Rapsodie control plug: experience with an important operation 9—97871
Deliyannis, J., Papathanasoglou, D., Stathopoulou-Tsoga, M. On the variation of the direct solar radiation during the annular solar eclipse of April 29 1976 9—84781
Dell, G.F. *see* Amaldi, E. 9—71771
Dell, J., Smolin, L. Graded manifold theory as the geometry of supersymmetry 9—58896
Della, R. Multiple use of survey vessels 9—53561
Della Corte, M., Locchi, F., Spinelli, E., Scarpelli, P.T. Effect on the anatomical structure of the arterial tree on the measurement of pulse wave velocity in man 9—53180
Della Mea, G., Foti, G., Majni, G. Laser-induced regrowth of ⟨100⟩ Ge implanted with B and P ions 9—69130

Della Mea, G., Mazzoldi, P. Redistribution of Cu in polycrystalline and single crystal Al after laser irradiation. [Implanted metal system] 9—69163
Della Mea, G. *see* Schmaus, D. 9—86828
Della Torre, E. *see* Blake, T.G.W. 9—73784
Della Torre, E. *see* Ishak, W.S. 9—78481
Dellacasa, G. *see* Aslanides, E. 9—85481
Dellacasa, G. *see* Bos, K. 9—85531
Dellar, D. *see* Jackson, F. 9—92103
DelleDonne, M., Ortoleva, P. Critical fluctuation universality in chemically oscillatory systems: A soluble master equation 9—75454
Dellen, A.F.van *see* van Dellen, A.F.
Dellepiane, G. *see* Lichene, F. 9—72294
Deller, A.B.McC. Electrical safety in dialysis 9—84010
Delleur, J.W., Kavvas, M.L. Stochastic models for monthly rainfall forecasting and synthetic generation 9—70861
Dellit, L. Signal parameters in optical pumping experiments 9—59404
Dellit, L. *see* Cappeller, U. 9—94015
Dellonte, S. *see* Barigelletti, F. 9—86031
Dellsperger, K.C., Wieting, D.W. An in vitro fluid dynamic comparison of the new St. Jude Medical prosthetic mitral valve with Starr-Edwards, Bjork-Shiley, and Lillehei-Kaster prostheses 9—92430
Dellwig, L.F., Bare, J.E. A radar investigation of North Louisiana salt domes 9—66833
Delmas, C., Maazaz, A., Fouassier, C., Reau, J.-M., Hagenmuller, P. Influence of the alkali ion environment on the mobility in $A_x(L_xM_{1-x})O_2$ sheet structures 9—65244
Delmas, C., Maazaz, A., Guillen, F., Fouassier, C., Reau, J.M., Hagenmuller, P. The pseudo-2D ionic conductors: Li_8MO_6* (M=Zr, Sn), Li_7LO_7 (L=Nb, Ta) and $Li_6In_2O_6$ 9—77810
Delmas, C. *see* Maazaz, A. 9—60546
Delmas, C. *see* Villepastour, A.-M. 9—65240
Delmastro, J.R. *see* Reeder, S.D. 9—87932
Delmon, B. *see* Delannay, F. 9—52762
Delmon, B. *see* Gajardo, P. 9—52755
Delmon, B. *see* Thakur, D.S. 9—79289
Delmore, J.E. *see* Anderl, R.A. 9—67843
Delobelle, P., Oytana, C. High temperature creep of the eutectic Al-Si giving evidence of two regimes of flow with aid of modified Dorn equation 9—74215
Deloche, D. *see* Cardinne, P. 9—58721
Deloff, A. Coherent nucleus approximation in kaonic atoms theory 9—86086
Delone, N.B., Krainov, V.P. Resonance interaction of intense light with atoms 9—68216
Delone, N.B., Zon, B.A., Fedorov, M.V. Polarization of nuclei on resonant ionization of atoms 9—49997
Delone, N.B. *see* Aleksakhin, I.S. 9—54822
DeLong, L.E. *see* Maple, M.B. 9—69506
DeLong, L.E. *see* Tovar, M. 9—78250
Delong, M.C. *see* Rosenberger, F. 9—91593
DeLong, S.E., Schwarz, W.M., Anderson, R.N. Thermal effects of ridge subduction 9—88321
DeLong, S.E. *see* Anderson, R.N. 9—79784
DeLooper, J., Rausch, W.P. Management of quality assurance and reliability human resources—the key to cost effective quality activities in the design and construction of nuclear power plants 9—97776
Delord, P. *see* Cabos, C. 9—92013
Delorme, J. Microscopic analysis of the elementary particle description of nuclear currents 9—97664
Delos, J.B. *see* Swimm, R.T. 9—97224
DeLoskey, A.F., Nichols, W.W., Conti, C.R., Pepine, C.J. Estimation of beat-to-beat stroke volume from the pulmonary arterial pressure contour in man 9—53178
Delov, I.A. Some results of an investigation of the height and time dependence of the initial radius of ionized meteor trails 9—58301
Delpech, P. *see* Bouley, J.C. 9—98392
Delpech, P. *see* Carenco, A. 9—98507
Delpeyroux, P. *see* Ravier, J. 9—97878
Delph, T.J., Herrmann, G., Kaul, R.K. Harmonic wave propagation in a periodically layered, infinite elastic body: plane strain, analytical results 9—64574
Delpierre, P. *see* Badier, J. 9—93460
Delpuech, J.-J., Hamza, M.A., Serratrice, G., Stebe, M.-J. Fluorocarbons as oxygen carriers. I. An NMR study of oxygen solutions in hexafluorobenzene 9—65749
Delpy, D.T., Parker, D., Halsall, D., Loizou, G. A catheter tip device incorporating CO_2 and O_2 sensors 9—100783
Delrieu, J.M., Roger, M. Physical origin of a large four spin exchange in b.c.c. solid ^{3}He 9—56031
Delrieux, J.M. *see* Deville, G. 9—86961
Delrue, J.P. *see* Hecq, M. 9—78878
Delrue, J.P. *see* Wautelet, M. 9—83098
Delsante, A.E., Frankel, N.E. Ground-state pressure of an ideal Fermi gas 9—58471
Delsanti, M. *see* Adam, M. 9—99339, 9—99345
Delsart, C., Keller, J.-C. Laser induced line narrowing in three-level systems: application to the determination of the wavenumber of the $3s_2-2p_4$ neon line (λ=6328 Å) 9—76385
Deltour, R. *see* Audenaert, M. 9—73606
Del'tsov, V.S. *see* Belov, N.V. 9—70253
DeLuca, J.C., Gambino, R.J. Bias field dependence of domain drag propagated bubble domains 9—78471
DeLuisi, J.J. Umkehr vertical ozone profile errors caused by the presence of stratospheric aerosols 9—70849
DeLuisi, J.J., Mateer, C.L., Heath, D.F. Comparison of seasonal variations of upper stratospheric ozone concentrations revealed by Umkehr and Nimbus 4 BUV observations 9—100911
DeLuisi, J.J. *see* Mendonca, B.G. 9—62585
Delumeyea, R.G., Petel, R.L. Wet and dry deposition of phosphorus into Lake Huron 9—57991
Delva, M., Dvorak, R. A development of the Jacobian integral in the elliptic three body problem 9—92655
Delvaux, J. *see* Peugnet, C. 9—77403
Delwiche, J. *see* Natalis, P. 9—89710
Delyannis, A.A., Delyannis, E.A. Reflecting horizontal collector 9—62049
Delyannis, A.A., Delyannis, E.A., Kamarinos, P., Stefanakos, E. Demonstration plant for solar heating of a building 9—57410
Delyannis, E.A. *see* Delyannis, A.A. 9—57410, 9—62049
Delymyea, R., Petel, R.L. Deposition velocity of phosphorus-containing particles over southern Lake Huron, April-October, 1975 9—83666
Delzenero, R. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Demaison, J., Nemes, L. A correlation between the vibrational correction c and the effective moment of inertia 9—89662
Demaison, J. *see* Bauer, A. 9—76411
Demanet, C. *see* Delhalle, J. 9—89819
Demangeat, C. Chemical binding energy of point defects in b.c.c. transition metals 9—82260
Demarcke, J. *see* Dimroth, E. 9—62472
Demarcq, J. *see* Chollet, F. 9—75101
Demare, G.R. *see* Strausz, O.P. 9—49959
Demaree, G. Comparison of two techniques for the assessment of areal rainfall amounts 9—62612
Demarest, J.A. *see* Watson, R.L. 9—72408
Demarest, K.R., Garbacz, R.J. Anomalous behavior of near fields calculated by the method of moments 9—89829
Demarmels, A. *see* Raible, T. 9—90209
DeMarrais, G.D. Atmospheric stability class determinations on a 481-meter tower in Oklahoma 9—58000
Demars, H.G., Schunk, R.W. Transport equations for multispecies plasmas based on individual bi-Maxwellian distributions 9—77339
DeMarzo, C. *see* Cutts, D. 9—85346
Demas, J.N. *see* Taylor, D.G. 9—49295, 9—91929
Demasco, P. *see* Lukasiewicz, M. 9—83981
DeMasters, D., Andrews, M. Best fit edge detection for meteorological data 9—100989
Demaynova, T.E. *see* Boulanger, Y.D. 9—92465, 9—92466
Demazeau, G., Courbin, P., Le Flem, G., Pouchard, M., Hagenmuller, P., Soubeyroux, J.L., Main, I.G., Robins, G.A. Structural and magnetic properties of $SrLaCoO_4$; a discussion of the electronic structure of trivalent cobalt 9—86760
Demazeau, G. *see* Grenier, J.-C. 9—90619
Demazeau, G. *see* Main, I.G. 9—82751
Dembczynski, J., Ertmer, W., Johann, U., Penselin, S., Stinner, P. Laser-RF double-resonance studies of the hyperfine structure of metastable atomic states of ^{55}Mn 9—72260
Demberel, L.A., Popov, A.S., Kushev, D.B. Deep levels in Fe-doped GaP 9—65407
Demberel, L.A., Popov, A.S., Kushev, D.B., Zheleva, N.N. Deep levels in Fe-doped InP 9—56166
Dembi, N.J. *see* Dhar, P.L. 9—59911
Dembinska, M. Domain structure in (110) and (111) plates of lithium ferrite 9—61180
Dembinski, M., John, P.K., Ponomarenko, A.G. High-current ion beam from a moving plasma 9—68361
Dembner, A.G. *see* Taylor, K.J.W. 9—92311
Dembovskii, S.A. Problem of chalcogenide glass-forming materials in the light of the empirical semiquantitative theory of glass formation 9—86713
Demchenko, A.S. *see* Bobrov, V.T. 9—100316
Demchenko, V.V. *see* Grishaev, V.I. 9—73010
Demchuk, M.I. *see* Gulis, I.M. 9—50073
Demchuk, M.I. *see* Volod'ko, L.V. 9—85185
Demchuk, S.A., Kordonskii, V.I., Shul'man, Z.P. Characteristics of heat transfer in magnetorheological systems 9—81988
Demchuk, S.A. *see* Shul'man, Z.P. 9—77264
Demchuk, Yu.S. *see* Mirumyants, S.O. 9—98161
Demco, D.E. Structural and dynamic informations by double nuclear magnetic resonance 9—65767
Demco, D.E. High resolution NMR in solids using pulse coherent averaging method 9—78543
Deme, S. Environmental protection of nuclear power-plants 9—88007
Demedts, G., Van Peteghem, A.P. The transient response of the copper electrode potential to elastic straining and its relation to the reaction kinetics 9—70212
Demedts, G., Van Peteghem, A.P. The corrosion of copper as a tool in the investigation of the reaction kinetics 9—70213
Demeester, M., Grevisse, Ph., Vander Velde, Ch., Jank, K., Delcambre, Y., Ozkan, S., Swietochowski, A., Mundeleer, P. Real-time and interactive control of O_2-CO_2 transport in mechanically ventilated patients in ICU 9—62404
Demenko, A., Nowak, L. Modelling of rotational-symmetrical magnetostatic field 9—81319
Dement'ev, A.S., Maldutic, E.K., Sakalauskas, S.V. Optical anisotropy induced in glasses by intense laser radiation 9—99846
Dement'ev, A.S. *see* Bal'kyavichyus, P.I. 9—56890
Dement'ev, B.A., Al'-Bakhili, Kh.M. Determining unsteady flow of coolant with discharge from a high-pressure vessel 9—89448
Dement'ev, L.N. *see* Yakutovich, M.V. 9—79034
Dement'ev, R.K., Leikin, E.M. Experimental test of universality of hadron production mechanism 9—93477
Dement'ev, V.A. *see* Gribov, L.A. 9—54835
Dementev, V.A. *see* Todorovskii, A.T. 9—54921
Dement'ev, Yu.S., Sokolov, E.B., Fedorov, V.A., Il'in, A.G., Kotova, Yu.A. Kinetics of gallium phosphide synthesis by chemical gas transport reactions 9—95933
Dement'eva, Z.A. *see* Nakalov, F.S. 9—57819, 9—92437, 9—92438
Dementiev, P.K. *see* Boos, E.G. 9—49548
Dementiev, R.K. *see* Boos, E.G. 9—67611, 9—89203
Demenyuk, E.T. *see* Vyskubenko, B.A. 9—64250
DeMeo, E.A. *see* Loferski, J.J. 9—56866
Demers, S. L'Observatoire Astronomique du Quebec 9—88592
Demers, Y. *see* Gagne, J.-M. 9—82107
Demetrescu, C. On the geothermal regime of some tectonic units in Rumania 9—70768
Demianets, L.N. Hydrothermal crystallization of magnetic oxides 9—69974
Demianiuk, M. Investigation of heterogeneous birefringence in ZnS crystals 9—95728
Demianiuk, M. *see* Michalski, E. 9—94847
Demianski, M., Francaviglia, M. Algebraic properties of S_2 separable space-times 9—63093
Demianski, M. *see* Curir, A. 9—97113
DeMichele, D.W., Sharpe, P.J.H., Goeschl, J.D. Toward the engineering of photosynthetic productivity 9—62209
Demichelis, F., Giaretti, A., Barberis, M.L., Teich-Alasia, S. Biomedical instrumentation for the measurements of skin sensitivity 9—74767
Demichelis, F., Minetti-Mezzetti, E. Concentrator for solar air heater 9—74493
Demidenko, A.A., Pekar, S.I., Tsekvava, B.E. Contribution to the theory of spatial dispersion and of auxiliary light waves in the exciton absorption range 9—61405
Demidko, V.G. *see* Troitskii, V.A. 9—91900
Demidov, A.M., Govor, L.I., Zhuravlev, O.K., Komkov, M.M., Kurkin, V.A., Shukalov, I.B. Determination of multipole mixture values in $2_2^+ \rightarrow 2_1^+$ transitions of the 112, 114 tin isotopes 9—89268
Demidov, A.M. *see* Avchukhov, V.D. 9—75842
Demidov, A.M. *see* Avchukov, V.D. 9—75841
Demidov, A.M. *see* Govor, L.I. 9—67707
Demidov, A.V., Ivanov, A.A., Ivashkevich, L.S., Ischenko, A.A., Spiridonov, V.P., Almlof, J., Strand, T.G. Electron-diffraction study of the vibrational assignment, molecular structure and barrier to pseudorotation of gaseous tantalum pentabromide 9—81293
Demidov, B.A., Ivkin, M.V., Petrov, V.A., Smirnova, E.A., Fanchenko, S.D. Pulsed dosimetry of X-ray emission from a high-current relativistic electron beam 9—81099
Demidov, E.F. *see* Belousov, Y.I. 9—84477
Demidov, F.P., Chestnov, A.M. Sharp-focus pulsed X-ray tube with plasma electron sources 9—93265
Demidov, K.N., Goryaev, M.A. Total spectrum of localized states and photosensitivity of aluminum 9—78135
Demidov, N.A., Ezhov, E.M., Ul'yanov, A.A. On the duration of hydrogen evacuation by magnetic-discharge pumps 9—67326
Demidov, N.G. *see* Barinov, N.U. 9—54356
Demidov, S.S., Kozina, G.S., Kurbatov, L.N., Myasnikov, A.F., Rudneviskii, V.S. Compact infrared laser source based on a field-emission electron tube 9—59725
Demidov, V.I., Kolokolov, N.B. Interaction between excited atoms in a neon afterglow 9—64826
Demidov, V.I. *see* Bayunov, V.I. 9—77425
Demidov, V.I. *see* Lakutin, V.A. 9—64946
Demidov, V.V. *see* Atsarkin, V.A. 9—87331
Demidova, I.I. Solution of a plane temperature problem by the photothermoviscoelastic method 9—86343
Demidovich, O.V., Zhuchenko, A.A., Dubinin, E.L., Vatolin, N.A., Timofeev, A.I. Investigation into viscosity of melts from Pd-Sn system 9—69272
Demikhovskii, V.Ya. *see* Vas'kin, V.V. 9—87122
d'Emilio, E. *see* Barbieri, R. 9—80809
d'Emilio, E. *see* Curci, G. 9—63417

Demille, G.R., Larlee, K., Livesey, D.L., Mailer, K. Conformational change in carbonic anhydrase studied by perturbed directional correlations of gamma rays 9—83700

Demin, A.A. *see* Yurchenko, D.S. 9—97868

Demin, B.N., Buzhdan, Ya.M., Kuznetsov, F.A. Role of electrotransport in electroliquid epitaxy 9—56095

Demin, B.N. *see* Stavrov, K.G. 9—97334

Demin, E.A. *see* Lur'e, S.A. 9—83214

Demin, V.S. *see* Glaznev, V.N. 9—68773

Demina, G.S. *see* Peretyat'ko, V.N. 9—83288

Deming, D., Butler, D. Supermetallicity and the strong-lined binary systems 9—75204

Deminov, M.G., Kim, V.P. Reaction of the ionosphere to rapid variations of large-scale electric fields. II. Molecular ions 9—62654

Deminov, R.G. *see* Grinberg, E.S. 9—99751

Demiray, A.F., Brockner, W. Raman spectra investigation of PCl_5. I. The system PCl_5-$TiCl_4$ 9—70320

Demiray, A.F. *see* Brockner, W. 9—91451

Demiray, H. A continuum theory of solid state plasma 9—51503

Demircan, O. Fourier techniques for an analysis of eclipsing binary light curves. I 9—58261

Demircan, O. Fourier techniques for an analysis of eclipsing binary light curves. II 9—58262

Demircan, O. Fourier techniques for an analysis of eclipsing binary light curves. III 9—75247

Demircan, O. Fourier techniques for an analysis of eclipsing binary light curves. IV 9—75248

Demirci, A.Halim *see* Halim Demirci, A.

Demirci, S., Enustun, B.V., Turkevich, J. Stability of colloidal gold and determination of the Hamaker constant 9—87883

Demirel, T. *see* Akinc, M. 9—87805

Demirkol, A. *see* Guckel, H. 9—86925, 9—91128

Demisch, H.-U., Pusch, W. Electric and electrokinetic transport properties of homogeneous weak ion exchange membranes 9—57293

Demishev, A.G., Medvedskaya, E.A. Cryostat thermostat for electronic devices 9—88941

Demishev, A.G., Nazarenko, N.P. Cryostat for operation iwth an adjustable helium level 9—88961

Demishev, A.G., Ratmanskii, D.S., Shirkov, A.K., Pelykh, D.P. Cryogenic system with adjustable temperature 9—88960

Demit, J. *see* Grand, G. 9—74136

Demkin, N.B., Korotkov, M.A. Calculation of the topographic characteristics of rough surfaces by virtue of profile 9—56049

Demkina, L.I. *see* Vlasova, N.I. 9—50361

Demlein, P.J. *see* Uthman, A.P. 9—50038

DeMore, W.B. *see* Jaffe, S. 9—52724

Demortier, G., Lamberts, L. Study of hard X-ray spectra produced in the radio-frequency spark source of a mass spectrometer 9—90480

Dempsey, J. *see* Baglin, J. 9—99376

Dempsey, J. *see* Pidgeon, C.R. 9—78679

Demtroder, W. *see* Eisel, D. 9—98114

Demtroder, W. *see* Honing, G. 9—98247

Demtroder, W. *see* Weber, H.G. 9—64022

de'Munari, G.M. *see* Bucci, C. 9—57210

Demus, D. *see* Pelzl, G. 9—94884

Demuth, J.E. On the structure of chemisorbed acetylene and ethylene on Ni, Pd and Pt surfaces 9—86988

Demuth, J.E., Ibach, H. Experimental study of the vibrations of acetylene chemisorbed on Ni(111) 9—90877

DeMuth, N.S. *see* Kerrisk, J.F. 9—93734

Demutskii, V.P., Polovin, R.V. On stability of a modulated beam in plasma 9—90421

Dem'yanenko, T.V., Fedorov, V.P., Yusim, G.V. Selecting parameters for active-type magnetic suspension 9—97377

Dem'yanenko, V.S., Zheltovodov, A.A. Experimental investigation of separation of turbulent boundary layer in vicinity of a step 9—64646

Dem'yanets, D.N. *see* Merinov, B.V. 9—77583

Dem'yanov, A.V. *see* Alizade, V.V. 9—80845

Dem'yanov, S.E. *see* Gostishchev, V.I. 9—60801

Dem'yanov, Yu.A., Pokrovskii, A.N., Frolov, L.G. Wake formation when shock wave is shed from the edge of a plate 9—77120

den Belt, T.G.M.van *see* van den Belt, T.G.M.

den Berg, H.A.M.van *see* van den Berg, H.A.M.

den Berg, J.A.Van *see* Van den Berg, J.A.

den Berg, P.M.van *see* van den Berg, P.M.

Den Berg, S.Van *see* Van Den Berg, S.

den Bergh, H.van *see* van den Bergh, H.

den Bergh, S.van *see* van den Bergh, S.

Den Bergh, S.Van *see* Van Den Bergh, S.

Den Berghe, H.Van *see* Van Den Berghe, H.

den Boomgaard, J.van *see* van den Boomgaard, J.

den Bossche, M.van *see* van den Bossche, M.

den Brand, J.A.G.M.Van *see* Van den Brand, J.A.G.M.

den Broeck, C.Van *see* Van den Broeck, C.

den Broeder, F.J.A. Surface diffusion of tungsten and tungsten-rheneium alloys 9—56048

den Broeder, F.J.A., van der Borst, J. $Fe_{80}B_{20-x}Si_x$ glasses: a study of some physical properties as depending on metalloid content 9—91213

Den Broek, J.J.Van *see* Van Den Broek, J.J.

den Broek, P.M.van *see* van den Broek, P.M.

Den Broek, P.M.Van *see* Van Den Broek, P.M.

Den Chen Wen *see* Wen Den Chen

den Cruyce, J.M.Van *see* Van den Cruyce, J.M.

den Dool, H.M.van *see* van den Dool, H.M.

den Dreissche, P.van *see* van den Dreissche, P.

den Dries, L.Van *see* Van den Dries, L.

Den Driessche, L.Van *see* Van Den Driessche, L.

den Dungen, J.P.M.van *see* van den Dungen, J.P.M.

den Hartog, H.W. *see* Aalbers, A.B. 9—69718

den Hartog, H.W. *see* Nauta-Leeffers, Z.C. 9—73880

den Hartog, H.W. *see* Roelfsema, K.E. 9—73808

den Hartog, H.W. *see* van Ormondt, D. 9—87070

den Heuvel, E.P.J.van *see* van den Heuvel, E.P.J.

Den Heuvel, G.P.M.Van *see* Van Den Heuvel, G.P.M.

den Heuvell, H.B.van Linden van *see* van Linden van den Heuvell, H.B.

den Hoek, W.J.van *see* van den Hoek, W.J.

Den Hoogenhof, W.W.Van *see* Van Den Hoogenhof, W.W.

den Horn, L.J.van *see* van den Horn, L.J.

den Nijs, M.P.M. A relation between the temperature exponents of the eight-vertex and q-state Potts model 9—93055

den Ouden, L.W.J. *see* Perk, J.H.H. 9—71355

Den Tempel, M.Van *see* Van Den Tempel, M.

Denat, A., Gosse, B., Gosse, J.P. Ion injections in hydrocarbons 9—91064

Denavit, J. Collisionless plasma expansion into a vacuum 9—82054

Denavit, J. *see* Crystal, T.L. 9—82036

Dence, M.R. *see* Grieve, R.A.F. 9—66699

Dence, M.R. *see* Waddington, E.D. 9—92553

Dench, W.A. *see* Seah, M.P. 9—92041

Dendramis, A., Van Zee, R.J., Weltner, W., Jr. The FeH molecule at 4K 9—93992

Dendy, J.E. *see* Alcouffe, R.E. 9—85577

DeNeef, C.P., Theiss, A.J. Effect of finite analyzer size on the distribution functions measured in field-free plasmas 9—55562

DeNeef, C.P., Theiss, A.J. Variation of measured particle velocity distributions with distance from a finite-size plasma 9—77419

Denegri, D. *see* Cochet, C. 9—80854

Denegri, D. *see* Givernaud, A. 9—58982, 9—75801

Denehy, B.V. *see* Koga, R. 9—101063

Denenstein, A. *see* Chiang, C.K. 9—65466

Denenstein, A. *see* Moses, D. 9—86864

Denenstein, A. *see* Park, Y.W. 9—56271

Denenstein, A. *see* Zeller, C. 9—67344

Denes, G. *see* Pannetier, J. 9—77781

Deneuville, A., Brodsky, M.H. Influence of preparation conditions on forward-bias currents of amorphous silicon Schottky diodes 9—78171

Deng Cong-hao Line widths and energy shifts of spontaneous emission 9—89874

Deng Ding-qing *see* Zhou Yong-xin 9—74173

Deng He Influence of the terminal level lifetime on Nd-glass laser amplifiers 9—89913

Deng Ke-shun The application of the modified Wilson equation 9—71390

Deng Ke-shun A review of the Koiter's theory of the buckling and the behavior of initial post-buckling of elastic structures 9—72832

Deng Zhi-sheng, Chen Chih An investigation of the crack-tip stress and strain 9—73249

Denham, C.R. *see* Chave, A.D. 9—88466

Denham, C.R. *see* Parker, R.L. 9—92625

Denham, D. *see* Cull, J.P. 9—84203

Denham, D.H. Environmental radiological surveillance in perspective: the relative importance of environmental media as a function of effluent pathway and radionuclides 9—66421

Denham, R.N. *see* Bannister, R.W. 9—72744

Denig, W.F. *see* McAdams, R.E. 9—85498

Denig, W.F. *see* Otteson, O.H. 9—85519

Deninno, M.M., Morisi, F., Pallotti, C., Pallotti, G., Viaggi, F. Measurements in microscopic images: an inexpensive device for semi-automatic analysis of microscopic images 9—79705

Denio, A.A. Chemistry for artists and art buffs [teaching] 9—84880

Denis, A., Desesquelles, J. Quantum beats study of the $^4He^+$ beam-carbon foil interaction 9—59544

Denis, A. *see* Ceyzeriat, P. 9—59422

Denis, J.M. *see* Khulbe, C.P. 9—52866

Denis, J.-P. *see* Moncorge, R. 9—52002

Denis, S., Chevrier, J.C., Simon, A., Beck, G. Determination of the influence of martensitic transformation on the development of stress during quenching 9—91712

Denis, V., Krukonis, V., Tvardauskas, G. Warm-electron magnetoresistivity of n-type silicon 9—65503

Denisenko, P.F. *see* Biryukov, A.V. 9—80074

Denisenko, P.F. *see* Danilkin, N.P. 9—58153

Denisenko, V.I. *see* Fil, V.D. 9—60975, 9—60976

Denisenko, V.P. *see* Legasov, V.A. 9—91947

Denisenko, V.V. *see* Bugaev, A.S. 9—51637

Denisev, V.P., Klimin, A.I. Emission depth of photoelectrons in a polyalkali photocathode film 9—83106

Denisik, S.A. *see* Ferronsky, V.I. 9—84653

Denison, A.B. *see* Brown, J.A. 9—56685

Denisov, A. *see* Ammosov, V. 9—71737

Denisov, A.G. *see* Berge, J.P. 9—71741

Denisov, A.G. *see* Efremenko, V.I. 9—75763

Denisov, A.N. *see* Dmitriev, V.G. 9—64261

Denisov, G.G., Komarov, V.N. Nonconservative moments and their influence on the precession of a contactless gyroscope 9—80421

Denisov, N.G. Limiting polarization of electromagnetic waves escaping from a nonuniform layer of magnetoactive plasma 9—64875

Denisov, S.B., Makagonova, S.K. Dielectric wave logging data interpretation 9—62626

Denisov, S.B., Makagonova, S.K. Interpretation of wave dielectric log curves in formation of limited thickness 9—74990

Denisov, S.S. *see* Storozhenko, V.A. 9—52606

Denisov, V.N., Mavrin, B.N., Podobedov, V.B., Sterin, Kh.E. Hyper-Raman scattering and longitudinal-transverse splitting of vibrations in fused quartz 9—73953

Denisov, V.P., Klimin, A.I. Photoelectric properties of rubidium telluride films 9—69959

Denisov, Y.D., Perel'man, R.G. Strength of materials under complex stress with local dynamic loading 9—91768

Denisov, Yu.N. *see* Baldin, A.M. 9—72125

Denisov, Yu.N. *see* Vasilyev, A.A. 9—54655

Denisova, N.E. *see* Velichko, G.V. 9—89023

Denisova, V.G. *see* Baiburina, S.G. 9—80156, 9—80170

Denisyuk, E.K. *see* Afanas'ev, V.L. 9—80360

Denisyuk, Yu.N. Holography for artistic purposes with three-dimensional recording and Lippman plates 9—55089

Denisyuk, Yu.N. Holographic art with recording in three-dimensional media on the basis of Lippman photographic plates 9—86148

Denisyuk, Yu.N. Holography 9—94199

Deniz, K.U., Paranjpe, A.S., Amrithalingam, V.A., Muralidharan, K.V. Structure of the nematic phase of PBABA 9—77504

Deniz, K.U., Paranjpe, A.S., Mirza, E.B., Parvathanathan, P.S., Patel, K.S. DSC and X-ray diffraction investigations of phase transitions in HxBABA and NBABA 9—86877

Denkin, N.M. *see* Nash, F.R. 9—81452

Denley, D., Williams, R.S., Perfetti, P., Shirley, D.A., Stohr, J. X-ray absorption fine structure above the Ti L edge 9—69903

Denley, D. *see* Mills, K.A. 9—83105

Denley, D. *see* Wehner, P.S. 9—95316

Denman, O.S., Gewin, R.J., Lund, W.W., Jr., Nalos, E.J., Rathjen, S.M. A microwave power transmission system for space satellite power 9—52893

Denn, H.M. On the evaluation of rheological constitutive equations in a paper by Tsai and Darby 9—90208

Denn, M.M. *see* Chang, J.C. 9—60027

Denne, B., Litzen, U., Curtis, L.J. Energies and lifetimes of the $4s4d\,^1D$ and $4p^2\,^1D$ in Ga II 9—59391

Denne, B. *see* Engstrom, L. 9—89645

Dennebouy, R., Slodzian, G. An experimental procedure for adjusting the energy band centre of secondary ions collated by the ion microanalyser 9—58839

Dennefeld, M. The population of supernova remnants in the Magellanic Clouds 9—53887

Dennefeld, M. SS 433 9—97009

Dennefeld, M., Laustsen, S., Materne, J. Structure of a southern ring galaxy 9—58413

Denner, H.-D., Klipping, I., Menzel, J., Klipping, G., Luders, K., Ruppert, U. The evaporation of He II through narrow channels 9—60578

Denner, W., Schulz, H., d'Amour, H. The influence of high hydrostatic pressure on the crystal structure of cesium gold chloride ($Cs_2Au^IAu^{III}Cl_6$) in the pressure range up to 52×10^8 Pa 9—51249

Denning, R.G., Foster, D.N.P., Snellgrove, T.R., Woodwark, D.R. The electronic structure of the uranyl ion. II. The electronic spectra of $CsUO_2(NO_3)_3$ and $NaUO_2(CH_3COO)_3$ 9—69853

Denning, R.G., Snellgrove, T.R., Woodwark, D.R. The electronic structure of the uranyl ion. III. Theory 9—73476

Denninger, G., Dose, V., Scheidt, H. A VUV isochromat spectrometer for surface analysis 9—54197

Dennis, B.R. *see* Coe, M.J. 9—71075

Dennis, B.R. *see* Dolan, J.F. 9—71151, 9—75297

Dennis, B.R. *see* Maurer, G.S. 9—92888

Dennis, J.A., Greenslade, E. A relief from record keeping: the NRPB thermoluminescent dosemeter service 9—59268

Dennis, J.B., Weng, K.K.-S. Application of data flow computation to the weather problem 9—70878

Dennis, J.H. *see* Adams, T. 9—92457

Dennis, L.C. *see* Cordell, K.R. 9—75815

Dennis, L.C. *see* Schweizer, T.C. 9—54426

Dennis, N.T.M., Colwell, B.H., Laurenson, L., Newton, J.R.H. Further developments with single structure vapour pumping groups 9—67329

Dennis, N.T.M., Laurenson, L., Newton, J. The vacuum behaviour of Perfluoro Polyether 9—63254

Dennis, P.W. *see* DeFacio, B. 9—97193

Dennis, R.B. *see* Mozolowski, M.H. 9—72571
Dennison, B. On intracluster Faraday rotation. I. Observations 9—75285
Dennison, J.P. *see* Burt, H. 9—61665
Dennison, R.W., Gray, G.R. Cryogenic versus tubomolecular pumping in a sputtering application 9—80629
Denno, K. High flux ion, and odd multi-half wave length resonant transformer accelerators in the space and time domains 9—76174
Denno, K. Magnetic transport properties of dipolar conducting liquids at ambient temperature 9—91258
Denoth, F. *see* Bedini, L. 9—57745, 9—70602
Denoyer, F., Currat, R. A study of the cubic→tetragonal phase transition of $NaNbO_3$ by neutron inelastic scattering 9—60469
Den'shchikova, G.I. *see* Goryunov, Yu.V. 9—87757
Denskat, K.U. *see* Richter, A.K. 9—75045
Densley, R.J., Bulinski, A.T., Sudarshan, T.S. Short-term electrical insulating characteristics of some polymeric materials immersed in liquid nitrogen 9—85145
Dent, W.A. *see* Balonek, T.J. 9—75277
Dent, W.A. *see* Bradt, H.V. 9—62929
Dentai, A.G. *see* Campbell, J.C. 9—63304
Dente, G.C. Polarization effects in resonators 9—98411
Dentino, M.J. *see* Rickard, J.T. 9—59868
Denton, B.K. *see* Congleton, J. 9—79174
Denton, M.B. *see* Fry, R.C. 9—92021
Denton, R.V., Friedlander, B., Rockmore, A.J. Direct three-dimensional image reconstruction from divergent rays 9—98299
Denton, R.V., Rockmore, A.J., Friedlander, B., Malin, J.S. An image reconstruction approach to target association 9—72522
Denton, W.H. *see* Anderson, J.L. 9—85783
Denton, W.H. *see* Bartlit, J.R. 9—93833
Denus, S., Dzwigalski, Z., Farny, J., Kaliski, S., Kielesinski, M., Nagraba, S., Wolowski, J., Woryna, E. Fast-ion emission from CO_2-laser pulse-produced plasma 9—68939
Denus, S., Kasperczuk, A., Kowalski, S., Paduch, M., Pisarczyk, T., Pokora, L., Wereszczynnski, Z., Sadowski, M. Multiframe laser interferometer systems for studies of rapidly varying processes 9—85166
Denus, S. *see* Kaliski, S. 9—94276
Deazer, P. *see* Bradaczek, H. 9—50939, 9—60213
Deori, K.L., Jonscher, A.K. Dielectric response of a solid electrolyte at low temperatures 9—56709
Deori, K.L. *see* Jonscher, A.K. 9—65785
Deorukhakar, V.V. *see* Murthy, M.S.S. 9—96518
D'ep Nguen Van *see* Nguen Van D'ep
Dep Nquyen Van *see* Nquyen Van Dep
DePaolo, D.J. Implications of correlated Nd and Sr isotopic variations for the chemical evolution of the crust and mantle 9—66655
dePena, R.G. *see* Olszyna, K. 9—70850
Depeursinge, C. *see* Le Chi Thanh 9—95450
Deplus, A. *see* Leroy, G. 9—89593
Depmeier, W. The uniqueness of the propyl compound in the series $(C_nH_{2n+1}NH_3)_2MnCl_4$ with n=1-10 9—86779
Depmeier, W., Chapuis, G. The crystal structure of bis(n-butylammonium) tetrachloromanganate(II) 9—60346
Depmeier, W., Schmid, H., Nolang, B.I., Richardson, M.W. An application of the flux function method to a five-component system: The chemical vapour transport of Ni-Cl boracite 9—52091
Deportes, J. *see* Delapalme, A. 9—78322
Depresseux, J.-C. *see* Fiore, G.D. 9—76252
DePristo, A.E., Rabitz, H. The effect of elastic and reorientation collisions on vibration-rotation lineshapes: a semi-empirical approach 9—89712
DePuey, E.G. *see* Burdine, J.A. 9—83906
Der, R. *see* Hartmann, E. 9—54769
Der, R. *see* Ropke, G. 9—56154
Der, V.K., Barker, D.B., Holloway, D.C. A split birefringent coating technique to determine dynamic stress intensity factors 9—50684
der Berg, G.J.van *see* van der Berg, G.J.
der Bilt, A.van *see* van der Bilt, A.
der Bilt, A.Van *see* Van der Bilt, A.
Der Borch, C.C.Von *see* Von Der Borch, C.C.
der Borg, K.Van *see* Van der Borg, K.
der Borght, R.Van *see* Van der Borght, R.
der Borst, J.van *see* van der Borst, J.
der Burg, P.van *see* van der Burg, P.
Der Drift, W.P.J.T.Van *see* Van Der Drift, W.P.J.T.
Der Eerden, J.P.Van *see* Van Der Eerden, J.P.
Der Elsken, J.Van *see* Van Der Elsken, J.
der Greef, J.van *see* van der Greef, J.
Der Hage, J.C.H.Van *see* Van Der Hage, J.C.H.
der Hardt, P.von *see* von der Hardt, P.
der Hart, A.W.A.van *see* van der Hart, A.W.A.
der Heijden, R.W.Van *see* Van der Heijden, R.W.
der Hoek, M.J.van *see* van der Hoek, M.J.
Der Hucht, K.A.Van *see* Van Der Hucht, K.A.
der Hulst, J.M.van *see* van der Hulst, J.M.
der Hutcht, K.A.van *see* van der Hutcht, K.A.
der Kaa, T.van *see* van der Kaa, T.
der Kolk, G.J.van *see* van der Kolk, G.J.
Der Kooy, D.Van *see* Van Der Kooy, D.
Der Kraan, A.M.Van *see* Van Der Kraan, A.M.
der Krogt, C.A.J.van *see* van der Krogt, C.A.J.
der Laan, H.van *see* van der Laan, H.
Der Laan, J.Van *see* Van Der Laan, J.
Der Laarse, R.Van *see* Van Der Laarse, R.
der Leeuw, Ph.E.van *see* van der Leeuw, Ph.E.
Der Leeuw, Ph.E.Van *see* Van Der Leeuw, Ph.E.
der Leij, M.van *see* van der Leij, M.
der Ligt, G.C.L.van *see* van der Ligt, G.C.L.
der Linde, D.von *see* von der Linde, D.
der Linde, J.van *see* van der Linde, J.
Der Linde, J.Van *see* Van Der Linde, J.
Der Linden, W.H.Van *see* Van Der Linden, W.H.
der Lugt, W.van *see* van der Lugt, W.
Der Lugt, W.Van *see* Van Der Lugt, W.
Der Maas, J.H.Van *see* Van Der Maas, J.H.
der Marel, C.van *see* van der Marel, C.
der Marel, L.C.van *see* van der Marel, L.C.
der Mark, W.van *see* van der Mark, W.
der Mateosian, E. *see* Mariscotti, M.A.J. 9—54380
der May, G.P.van *see* van der May, G.P.
der Meer, B.W.van *see* van der Meer, B.W.
Der Meer, B.W.Van *see* Van Der Meer, B.W.
der Meer, R.van *see* van der Meer, R.
der Meer, S.van *see* van der Meer, S.
der Merwe, F.S.Van *see* Van der Merwe, F.S.
der Merwe, J.P.van *see* van der Merwe, J.P.
der Merwe, P. du T.van *see* van der Merwe, P. du T.
Der Merwe, P. du T.Van *see* Van Der Merwe, P. du T.
der Merwe, S.W.J.Van *see* Van der Merwe, S.W.J.
der Molen, H.D.Berrling-Van *see* Berrling-Van der Molen, H.D.
Der Muhll, R.Von *see* Von Der Muhll, R.
der Osten, W.von *see* von der Osten, W.
der Plicht, J.van *see* van der Plicht, J.
der Putte, P.van *see* van der Putte, P.
Der Putten, N.Van *see* Van Der Putten, N.
der Saag, P.T.van *see* van der Saag, P.T.
der Schueren, A.van *see* van der Schueren, A.
Der Sloot, H.A.Van *see* Van Der Sloot, H.A.
der Sluijs, J.C.A.van *see* van der Sluijs, J.C.A.
der Sluijs, J.C.A.Van *see* Van der Sluijs, J.C.A.
der Spuy, E.van *see* van der Spuy, E.
der Toorn, J.D.van *see* van der Toorn, J.D.
der Valk, F.van *see* van der Valk, F.
der Veeken, J.P.M.Van *see* Van der Veeken, J.P.M.
Der Veen, J.F.Van *see* Van Der Veen, J.F.
der Veer, P.Van *see* Van der Veer, P.
der Vloedt, A.M.V.van *see* van der Vloedt, A.M.V.
der Voo, R.Van *see* Van der Voo, R.
Der Voort, J.A.P.Van *see* Van Der Voort, J.A.P.
Der Vorst, W.Maenhout-Van *see* Maenhout-Van Der Vorst, W.
Der Waals, J.H.Van *see* Van Der Waals, J.H.
der Wal, A.J.van *see* van der Wal, A.J.
der Wal, H.R.van *see* van der Wal, H.R.
der Wal, P.B.van *see* van der Wal, P.B.
der Wal, R.J.van *see* van der Wal, R.J.
der Weg, W.F.van *see* van der Weg, W.F.
der Wegen, G.J.L.van *see* van der Wegen, G.J.L.
Der Weide, H.Van *see* Van Der Weide, H.
der Werve, H.van *see* van der Werve, H.
der Wiel, M.J.van *see* van der Wiel, M.J.
der Wiel, M.J.Van *see* Van der Wiel, M.J.
der Wildt, G.J.van *see* van der Wildt, G.J.
Der Woude, A. *see* Bingham, C.R. 9—75848
der Woude, A.van *see* van der Woude, A.
der Woude, F.van *see* van der Woude, F.
Der Woude, F.Van *see* Van Der Woude, F.
Der Yao Yeong *see* Yeong Der Yao
der Ziel, A.van *see* van der Ziel, A.
der Ziel, J.van *see* van der Ziel, J.
der Ziel, J.P.van *see* van der Ziel, J.P.
Der Ziel, J.P.Van *see* Van Der Ziel, J.P.
DeRaad, L.L. *see* Ivanetich, R.J. 9—63354
DeRaad, L.L., Jr., Wu-yang Tsai, ERber, T. Interference between transition and Cerenkov radiation 9—49429
Derai, R. *see* Mauclaire, G. 9—64099, 9—64100
Deramaix, P. *see* De Meulemeester, E. 9—49805
D'Erasmo, G. *see* De Leo, R. 9—89304
Derban, V.I., Zhuk, I.P., Krylovich, V.I., Serikov, V.K. Use of the transient Doppler effect in measurements of specific heat of coatings 9—81706
Derbenev, Ya.S., Kheifhets, S.A. On stochastic cooling 9—72175
Derbenev, Ya.S., Kondratenko, A.M. On the possibilities to obtain high energy polarized particles in accelerators and storage rings 9—63843
Derbenev, Ya.S., Kondratenko, A.M., Saldin, E.L. Polarization of the electron beam in a storage ring by hard circularly-polarized photons 9—93860
Derbenev, Ya.S., Kondratenko, A.M., Skrinsky, A.N. Radiative polarization at ultra-high energies 9—72127
Dere, K.P., Cook, J.W. The decay of the 1973 August 9 flare 9—53780
Dere, K.P., Widing, K.G., Mason, H.E., Bhatia, A.K. XUV electron density diagnostics for solar flares 9—88633
Derebchinskii, A.I., Zybalov, A.A., Konovalov, O.G., Lubyanyi, V.V., Tenishev, A.E. A low temperature helium polarimeter 9—76318
Derebchinskii, A.I. *see* Bratashevskii, A.S. 9—85305
Dereli, T., Guven, R. Exact solutions of supergauge invariant Yang-Mills equations 9—67471
Deren, S.S. Optimal controller synthesis for a counterflow heat exchanger 9—97384
Derentowicz, H. *see* Ziolkowski, Z. 9—50391
Derenzo, S.E., Budinger, T.F., Cahoon, J.L., Greenberg, W.L., Huesman, R.H., Vuletich, T. The Donner 280-crystal high resolution positron tomograph 9—66533
Derenzo, S.E. *see* Budinger, T.F. 9—66524
Derevshchikov, A.A. *see* Apokin, V.D. 9—67615
Derevyaga, M.V., Stesik, L.N., Fedorin, E.A. Critical conditions for the ignition of magnesium 9—100372
Derevyanko, N.V. *see* Krynin, L.I. 9—81581
Dergachev, V.A. *see* Kocharov, G.E. 9—84599
Dergacheva, M.B., Kozin, L.F. Determining vibrational contribution to excess entropy of mixing of liquid amalgams 9—51263
Deridder, G., van Rensbergen, W., Hensberge, H. On the decentred dipole and dipole-quadrupole magnetic field models for Ap stars 9—101154
Deridder, G. *see* Hensberge, H. 9—67013
Derikum, K. *see* Berger, C. 9—49519
Deriu, A. *see* Albanese, G. 9—73864
Derive, C. Electrolytic hydrogen, a raw material for the chemicals industry of the future 9—96328
Derkach, A.Ya. *see* Bratashevskii, A.S. 9—85305
Derkach, A.Ya. *see* Get'man, V.A. 9—63487
Derkacheva, L.D., Petukhov, V.A. Picosecond kinetics of emission from rhodamine 6G solutions 9—76685
Derkaya, A.Ya. *see* Get'man, V.A. 9—89170
Derkits, C., Bardsley, J.N., Wadehra, J.M. Dissociative recombination in e-H_2^+ collisions 9—89796
Derlemenko, I.I. Dynamics of temperature changes in the tissues on laser irradiation 9—57594
Dermann, K. *see* Heumann, T. 9—82418, 9—86964
Dermarkar, S. *see* Carry, C. 9—99210
Dermer, C.D. *see* Free, J.U. 9—56284
Dermer, C.D., Jr. *see* Stahl, F.A. 9—51204
Dermois, O.C., Drentje, A.G., Schreuder, H.W. Status report on the KVI cyclotron 9—54650
Dermott, S.F. Shapes and gravitational moments of satellites and asteroids 9—53757
Dermott, S.F., Gold, T., Sinclair, A.T. The rings of Uranus: nature and origin 9—96967
Deroach, J. *see* Kasper, P. 9—93447
Deroo, G. *see* Robert, C. 9—84220
DeRosa, F. *see* Capizzi, M. 9—91477, 9—95336
DeRosa, J.L. *see* Wieting, T.J. 9—56754
DeRouen, T.A. *see* Hamilton, G.W. 9—88170
Derouet, J. *see* Caro, P. 9—56811
Derr, M.A. *see* Medress, M.F. 9—64424
Derriche, Z., Perrot, P. Discussion of 'thermodynamics of oxide-sulfate melts: the system $PbO-PbSO_4$' 9—82358
Derrick, M. *see* Barish, S.J. 9—71742
Derrida, B., Pomeau, Y., Toulouse, G., Vannimenus, J. Fully frustrated simple cubic lattices and the overblocking effect 9—69678
Derrien, J. *see* Michel, R. 9—83383
Derry, G. *see* Carlos, W.E. 9—73402
Derski, W. Equations of thermoconsolidation in case of temperature difference between components of medium 9—72933
Derski, W., Kowalski, S.J. Equations of linear thermoconsolidation 9—98601
Derst, D.W. *see* Conn, R.W. 9—76144
Dervin, P., Pernot, M., Penelle, R. Application of the Taylor's model for the prediction of the strain ratio R from the ODF of a titanium thin sheet 9—91773
Dervin, P. *see* Ferreira, O. 9—91672
Dervisbegovic, H. *see* Riley, F.L. 9—57129
Derwent, R.G., Eggleton, A.E.J., Williams, M.L., Bell, C.A. Elevated ozone levels from natural sources 9—62552
Derwent, R.G. *see* Brice, K.A. 9—62158
Derwent, R.G. *see* Garland, J.A. 9—79972
Deryabin, A.V., Pislar', I.G. Magnetic viscosity and anomalies near the Curie point of iron-nickel-chromium alloys 9—73781
Deryabin, A.V., Pislar', I.G., Chirkov, Yu.A. Microhardness and specific heat of iron-nickel-chromium alloys 9—100240
Deryabin, Yu.A. *see* Petrov, V.V. 9—91968
Deryabkin, V.N., Kireev, V.B., Skachkov, M.P., Trukhan, E.M. Microwave photolosses in native plant leaves 9—70535
Deryagin, A.V., Kudrevatykh, N.V., Levitin, R.Z., Popov, Yu.F. Magnetostriction of single crystals of intermetallic R_2Co_{17} (R=Ho, Er, Tm, Lu) compounds 9—51836
Deryagin, A.V. *see* Andreev, A.V. 9—56527
Deryagin, B.V., Dukhin, S.S., Rulev, N.N. Thin-film capillary hydrodynamic method in the theory of flotation 9—56038
Deryagin, B.V., Korzhev, V.A., Shepitinovskii, G.V. Investigation of the process of formation of a contact between a viscoplastic medium and a solid surface under pressure 9—69320

Deryagin, B.V., Korzhev, V.A., Shepitinovskii, G.V. The problem of an asymmetric breakdown of a thin layer of a viscoplastic medium between two solid surfaces 9—94503
Deryagin, B.V. *see* Barer, S.S. 9—55913
Deryagin, B.V. *see* Klyuev, V.A. 9—65981
Deryavko, I.I., Lanin, A.G., Taubin, M.L. An X-ray diffraction method of assessing local stress levels in coarse-grained sintered materials 9—96265
Deryugin, L.N., Komotskii, V.A. Diffraction of an optical wave with spatial phase modulation by a periodic amplitude grating 9—98274
Deryugin, L.N. *see* Bikeev, O.N. 9—55224
Deryugin, L.N. *see* Gudzenko, A.I. 9—98494
Derzhanski, A., Zheliaskova, A. NMR investigation of hydrophobe molecule solubility in a DBS micelle solution 9—83517
Derzhanski, A. *see* Petrov, A.G. 9—53051
Derzhanski, A.I., Hinov, H.P., Mitov, M.D. A bulk flexoelectric effect in a wedgelike nematic liquid crystal layer 9—60264
Derzhanski, A.I., Petrov, A.G. Flexoelectricity in nematic liquid crystals 9—77495
Derzhanski, A.I., Zheliaskova, A.G., Nikolov, S.M. Molecular motion in solid phase of some nematogenic substances 9—61239
Derzhanski, A.I. *see* Hinov, H.P. 9—99069
Derzhavin, S.N. *see* Ivanov, A.V. 9—72641
Derzhiev, V.I., Zakharov, A.Yu., Ramendik, G.I. Recombination in the free vacuum expansion of a complex plasma 9—64827
des Cloizeaux, J. Conductivity of independent electrons in a random potential: Existence of a diffusive mode 9—65421
des Cloizeaux, J., Mehta, M.L. Topological constraints on polymer rings and critical indices 9—81313
Des Rues, K.P. *see* Perz, J.M. 9—77985
Desa, J.A.E. *see* Wright, A.C. 9—73102
Desai, B.G. Solar electrification and rural electrification: a techno-economic review 9—57387
Desai, B.R. *see* Beavis, D. 9—97599
Desai, C.C. Surface structures of fluorite crystals 9—99096
Desai, C.C., John, V. Studies on dislocations in magnesium orthosilicate single crystals 9—99199
Desai, H.S., Pandya, S.R. Binding energy of an electron in an electric dipole field 9—98220
Desai, H.S. *see* Maru, M.P. 9—81287
Desai, J.D. *see* Westbrook, J.H. 9—65986
Desai, R.C. *see* Jhon, M.S. 9—73378
Desai, T.B. *see* Bawa, S.C. 9—61995
Desai, U. *see* Evans, D. 9—58441
Desai, U.D. *see* Cline, T.L. 9—101218
Desaintfuscien, M. *see* Savard, J.-Y. 9—72544
Desaki, J. Unusually thick filaments in intrafusal muscle fibers of the Chinese Hamster 9—74702
Desalos, V., Laurent, R. Microstructures and mechanical properties of bainitic steels with low carbon contents 9—79003
Desalos, Y., Laurent, R. Deformations in heat treated steels 9—61631
Desalvo, A. *see* Armigliato, A. 9—83533
DeSantis, M. *see* Brainard, G. 9—96619
DeSanto, J.A. Derivation of the acoustic wave equation in the presence of gravitational and rotational effects 9—98528
DeSanto, J.A. *see* Emery, W.J. 9—98529
DeSanto, J.A. *(editor)* Ocean acoustics 9—57970
Desaubies, Y.J.F., Gregg, M.C. Observations of internal wave vertical velocities by a free-fall vehicle 9—57942
Desaulniers, G., P'an, A., Lecomte, R., Paradis, P., Landsberger, S., Monaro, S. On the use of PIXE method to determine river water pollution in asbestos mining areas 9—100556
Desayi, P., Iyengar, K.T.S.R., Reddy, T.S. Stress-strain characteristics of reinforcing steel bars under cyclic loading 9—87688
Desbat, B., Huong, P.V. Molecular interactions and Raman polarization: the depolarization ratio and the Raman isotropic and anisotropic profiles of HCl in various solvents 9—59464
Desbat, B., Huong, P.V. Determination by Raman spectroscopy of the solvation number of the chloride ion in liquid hydrogen chloride 9—96410
Desbois, J. Resolution power of monolithic acoustic retinas 9—55305
Desbois, M. *see* Szejwach, G. 9—53476
Descamps, M. *see* Coulon, G. 9—86701
Desch, M.D. *see* Kaiser, M.L. 9—84732
Deschamps, G. *see* Arianer, J. 9—72166
Deschamps, G.A., Lee, S.W., Gowan, E., III, Fontana, T. Diffraction of an evanescent plane wave by a half plane 9—50197
Deschanvres, A. *see* Guillo, M. 9—90620
Deschanvres, A. *see* Rebbah, A. 9—99138
Deschanvres, A. *see* Traore, H. 9—79259
Deschaux, M., Marcantonatos, M.D. Time-resolved luminescence and mean lifetimes of UO_2^{2+} in aqueous solution 9—61417
Deschizeaux, M.N. *see* Bochu, B. 9—90615
Desclaux, J.P. *see* Freeman, A.J. 9—56106
Descouts, P. *see* Perrin, B. 9—51871
Descroix, E. *see* Bedjidian, M. 9—63621, 9—85393
Deser, S. Absence of tachyons in supergravity and classical relativity 9—67208
Deser, S., Drechsler, W. Generalized gauge field copies 9—93294
Deser, S. *see* Aragone, C. 9—93023
Deser, S. *see* Boulware, D.G. 9—63113
Deser, S. *see* Christensen, S.M. 9—75429
Desesquelles, J. *see* Ceyzeriat, P. 9—59422
Desesquelles, J. *see* Denis, A. 9—59544
Desgardin, G. *see* Goreaud, M. 9—60321
Desgardin, G. *see* Hervieu, M. 9—65049
Desgranges, J.H. Fundamental methods for generating calibration pressures 9—58670
Desgrolard, P., Guichon, P.A.M. One-pion exchange currents effect on the allowed beta-decays in the 1p shell nuclei 9—54413
Deshipande, M.R. *see* Jain, A.R. 9—84576
Deshmukh, B.T. *see* Moharil, S.V. 9—51975, 9—52029, 9—55739
Deshmukh, D.D. *see* Shah, S.S. 9—78349
Deshmukh, S.M. *see* Manohar, S.B. 9—67789
Deshmukh, V.G.I. *see* Tunstall, D.P. 9—78544
Deshpande, A.M. *see* Gupta, R.K. 9—74536
Deshpande, D.A. *see* Kale, V. 9—99945
Deshpande, D.D. *see* Oswal, S.L. 9—82357
Deshpande, M.R., Hari Om Vats, Trivedi, A.I. On the origin of ringing irregularities—a meteor hypothesis 9—84581
Deshpande, M.R. *see* Jain, A.R. 9—88539
Deshpande, M.R. *see* Rastogi, R.G. 9—75028
Deshpande, M.R. *see* Sethia, G. 9—88531, 9—88533
Deshpande, N.G., Hwa, R.C., Mannheim, P.D. SU(4)×U(1) gauge theory. I. Muon-number nonconservation 9—71655
Deshpande, N.G., Hwa, R.C., Mannheim, P.D. SU(4)×U(1) gauge theory. II. CP nonconservation 9—71656
Deshpande, N.G., Hwa, R.C., Mannheim, P.D. SU(4)×U(1) gauge theory. III. New approach to Cabibbo mixing 9—71657
Deshpande, N.G., Iskandar, D. Proposal to measure the D-meson decay constant F_D 9—93407
Deshpande, N.G. *see* Das, K.P. 9—93312
Deshpande, R.Y. *see* Kothiyal, G.P. 9—82647
Desi, S. High resolution X-ray spectroscopy using silicon photodiodes 9—81117
deSieyes, D.C. *see* Douple, E.B. 9—83893
Desikachary, K., McInally, C.J. Frequency analysis of the early-type delta Scuti star HD 153747 9—71053
Desikan, V. *see* Rangarajan, S. 9—61942
Desilets, C.S., Selfridge, A.R., Kino, G.S. Highly efficient transducer arrays useful in nondestructive testing applications 9—57194
DeSilva, A.W. *see* Gold, S.H. 9—77424
Desina, M.E. Stabilisation of a stationary out of balance Lagrange gyroscope 9—63019
Desio, A. *see* Casnedi, R. 9—100818
Desiraju, G.R., Curtin, D.Y., Paul, I.C. Structural studies of 1:1 quinone-hydroquinone complexes 9—73159
Desjonqueres, M.C. Surface relaxation and electronic structure of Mo and W (100) 9—73561
Desjonqueres, M.C., Lavagna, M. Effects of order on the electronic structure of ferromagnetic transition metal alloys: application to FeCo and Ni_3Fe 9—90938
Desjonqueres, M.C. *see* Papon, A.M. 9—82244
Deslattes, R.D., Kessler, E.G., Jr., Jacobs, L., Schwitz, W. Selected X-ray data for comparison with theory 9—76378
Deslouis, C., Epelboin, I., Tribollet, B., Viet, L. Use of electrochemical methods for the study of mass transfer and drag reduction in polymer solutions close to a wall 9—77138
Desmaison, J., Lefort, P., Billy, M. Oxidation of titanium nitride in oxygen: behavior of $TiN_{0.83}$ and $TiN_{0.79}$ plates 9—61766
Desmaison, J. *see* Lefort, P. 9—66184
Desnenko, V.A. *see* Bolshutkin, D.N. 9—83256
Desnica, D., Desnica, U., Etlinger, B. Preparation of ternary semiconducting compound $Al_2In_{12}Se_{21}$ 9—56922
Desnica, U. *see* Desnica, D. 9—56922
Desoky, M.M.El *see* El Desoky, M.M.
Deson, J. *see* Fournier, J. 9—89699, 9—89700
DeSorbo, W. Ultraviolet effects and aging effects on etching characteristics of fission tracks in polycarbonate film 9—76296
Desper, C.R. *see* Kojima, S. 9—61617
Despic, A.R., Maglic, G.S., Jacovic, M. Effect of codeposition of polymer on the morphology of electrodeposited copper 9—74102
Desplanques, B. Predictions of parity-non-conserving effects in nucleon-deuteron scattering 9—93448
Desplanques, B., Missimer, J. Analysis of parity violating effects in complex nuclei 9—75833
D'Esposito, L. *see* Antoon, M.K. 9—96378
Despres, A., Lejeune, V., Migirdicyan, E. The contribution of the physical and chemical defects to the photochemistry of crystalline durene at very low temperatures 9—52721
Desre, P. *see* Bellissent-Funel, M.-C. 9—64982
Desre, P. *see* Goumiri, L. 9—69325
Desre, P. *see* Molinari, C. 9—77884
Desre, P. *see* Passerone, A. 9—74132
Desrousseaux, G., Faure, R., Trompette, J. Study of the growth of ultra-thin metal films on carbon substrates by conductance measurements 9—82495
Dessaux, O. *see* Bridoux, M. 9—86040
Desseaux, J. *see* Bourret, A. 9—82215, 9—82239, 9—82240
Dessel, E.V. Radial velocities of visual binaries with an orbit derived from astrometric observations. II 9—67057
Dessler, A.J., Chamberlain, J.W. Jovian longitudinal asymmetry in Io-related and Europa-related auroral hot spots 9—75138
Dessy, C. *see* Serra, A. 9—62255
Dessy, R.E. Small laboratory computer networks 9—52797
DeStaebler, H. *see* Prescott, C.Y. 9—75776
Desthuilliers, M.G. *see* Foin, C. 9—85354
Destler, W.W., Floyd, L., Reiser, M. Experimental studies of heavy ion collective acceleration at the University of Maryland 9—76163
Destler, W.W., Uhm, H.S., Kim, H., Reiser, M.P. Study of collective ion acceleration in vacuum 9—85833
Destrade, C., Mondon, M.C., Malthete, J. Hexasubstituted triphenylènes: a new mesomorphic order 9—86681
Destrade, C. *see* Cotrait, M. 9—99175
Destrade, C. *see* Nguyen Huu Tinh 9—77513
Destro, R. *see* Bianchi, R. 9—68972
Destruel, P. *see* Ai, B. 9—87381
Destry, J. *see* Baibich, M.N. 9—99535
Desvignes, G., Guillaume, A. The gravimetric geoid over the Alps and its tectonic interpretation 9—66600
Desvignes, J.M. *see* Guillot, M. 9—78341
Desvignes, J.M. *see* Kravtchenko, V.B. 9—65842
Desyatkov, G.A., Zhainakov, A.Zh., Kozlov, P.V., Lelevkin, V.M., Samsonov, M.A., Slobodyanyuk, V.S., Engel'sht, V.S. Methods of calculation and numerical analysis of conducting-gas flow in high-current electric arcs 9—90478
Desyatov, M.V. *see* Kotler, N.I. 9—95947
Det, M.Le *see* Le Det, M.
DeTar, C. Tensor component of the two-nucleon interaction in the quark-bag model 9—49471
DeTar, C.E. Quark models of the nuclear force 9—80806
Detcheva, V. *see* Kandilarov, B.D. 9—95478
DeTemple, T.A. *see* Lawton, S.A. 9—86159
DeTemple, T.A. *see* Petuchowski, S.J. 9—93963
Deter, R.L., Hobbins, J.C. A survey of abdominal ultrasound scanners: the clinician's point of view 9—66582
Deterre, P., Peguin, P., Vanoni, F. Study, with ultrasonic measurements of the first movement of dislocation lines in pure aluminium at low temperature 9—95025
Detinenko, N.E. *see* Gorshenina, I.V. 9—67403
DeTitta, G.T. *see* Fortier, S. 9—77589
Detomo, R., Jr. *see* Donoghue, T.R. 9—71837
Dets, Ya. *see* Surowiak, Z. 9—69794
Dettman, G.L., Wilbur, S.M. Technetium-99m-labeled mouse-spleen leukocytes: radiolabeling parameters 9—100739
Dettmann, F. Enhancement of magnetic field in 'window'-type tunnel junctions 9—65607
Dettmann, F., Albrecht, G. The influence of vanadium oxide on the properties of Josephson tunnel junctions 9—87203
Dettmann, F., Pertsch, P. NB-NbO_x-PbIn tunnel junctions with ultra-thin niobium electrodes 9—56398
Dettmann, F. *see* Zahn, W. 9—56399
Detweiler, S. *see* Lindblom, L. 9—101166
Detwiller, W.L. RF voltmeters: the most valuable troubleshooting aid you never had 9—80639
Deubner, F.L. *see* Grec, G. 9—101130
Deubner, F.-L. *see* Schmidt, W. 9—66971
Deursen, J.B.P.van *see* van Deursen, J.B.P.
Deus, J.Dias De *see* Dias De Deus, J.
Deusch, H. *see* Walz, F. 9—87294
Deutch, J.M. *see* Boots, H. 9—64971
Deutch, J.M. *see* Martina, E. 9—90361
Deutchman, A. *see* Miller, D. 9—49353
Deutchman, P.A. Production of isobars via relativistic heavy-ion collisions 9—85429
Deutsch, C. Equilibrium and transport in 2+ϵ-dimensional two-components plasmas 9—55470
Deutsch, Ch., Novak, R. Measuring the attenuation of optical fibres 9—76864
Deutsch, D.G., Sogard, M. Observation of human low density lipoproteins in the STEM and FE-CTEM 9—100566
Deutsch, E.R. *see* Radhakrishnamurty, C. 9—84243
Deutsch, G., Lindner, G., Lübke, K., Thim, H.W. High-bit-rate pulse regeneration and modulation of injection lasers with a planar Gunn device 9—59731
Deutsch, J. Doubly radiative pion-capture: a status-report 9—85524
Deutsch, J. *see* Argan, P. 9—85453, 9—85454, 9—89291
Deutsch, J.A. Physiological light-emitting diode photocell monitor 9—92444

Deutsch, M. Slit height smearing correction in small angle X-ray scattering. I. Intensity correction program 9—86644

Deutsch, M. Slit height smearing correction in small angle X-ray scattering. II. Computation of the correction function 9—86645

Deutsch, M. Thermal conductance in screw-fastened joints at helium temperatures 9—95469

Deutsch, M. *see* Shupe, M.A. 9—63485

Deutsch, O.L. *see* Zamenhof, R.G. 9—70615

Deutsch, T.F., Brueck, S.R.J. ν_3 mode absorption behavior of CO_2 laser excited SF_6 9—54872

Deutsch, T.F., Ehrlich, D.J., Osgood, R.M., Jr. Laser photodeposition of metal films with microscopic features 9—100061

Deutscher, G., Rappaport, M.L. Superconductivity and percolation in Al-Ge films 9—56365

Deutscher, G., Rappaport, M.L. Critical currents of superconducting aluminium-germanium and lead-germanium thin film alloys near the metal-insulator transition 9—65626

Deutscher, G., Rappaport, M.L. A granular photo-superconductor 9—78246

Deutscher, G. *see* Abraham, D. 9—56378

Deutschmann, M., Ransone, G., Sixel, P., Bottcher, H., Nahnhauer, R., Goldschmidt-Clermont, Y., Kellner, G., Morrison, D.R.O., Triantis, F.A., Figiel, J., Sliwa, K., Barnham, K.W.J., Newham, P., Wells, J., Wright, P.R.S., Zomorrodian, M., Mandl, F., Markytan, M., Bardadin-Otwinowska, M., Jacholkowska, A. Production of large $p_\perp$ single particles and multiparticle systems (JETS) in $\bar{K}^-p$ interactions at 110 GeV/c 9—85345

Dev Rayalu, Ch.A. *see* Mondal, P.K. 9—89845

Dev Verma, R. *see* Chand Paul, R. 9—51293

Dev Verma, S., Sinha, V., Nigam, M. Heart attack as a biological effect of geomagnetic fluctuations 9—83812

Devanathan, M.A.V., Hettiarachchi, S. Theoretical interpretation of electrocrystallisation of thin films under potentiostatic conditions 9—95955

Devanathan, R. Implementation guidelines for promotion of electronics in oil and gas sector 9—80039

Devanathan, S.N. *see* Rastogi, R.G. 9—53638

Devanathan, S.N. *see* Vyas, G.D. 9—53639

Devanathan, V. *see* Asokamani, R. 9—60699

Devaney, A.J. The inverse problem for random sources 9—97214

Devaney, J.J., Booth, L.A. Laser-fusion pellet injection accuracies, accelerations, and deflections 9—85774

Devaney, R.L. Structural stability of homothetic solutions of the collinear n-body problem 9—75086

Devara, P.C.S., Ahmed, Md.I., Srirama Rao, M., Ramachandra Rao, B. Radio meteor rates observed with meteor wind radar during non-shower period 9—84753

Devaraj, N. *see* Basavaraju, S.P. 9—50044

Devary, J.L. *see* Lawrence, L.A. 9—67859

Devaty, R.P., Sievers, A.J. Strain dependence of defect-induced tunneling states in KCl:Li^+ 9—69865

Devault, J.N. *see* Weinman, L.S. 9—70201

Devaux, B. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292

Devaux, B. *see* Groot, J.G.H. 9—93395

Devaux, C., Grandjean, P., Ishiguro, Y., Siewert, C.E. On multi-region problems in radiative transfer 9—75096

Devaux, C., Siewert, C.E., Yener, Y. The effect of forward and backward scattering on the spherical albedo for a finite plane-parallel atmosphere 9—92592

Devdariani, A.Z., Klyucharev, A.N., Lazarenko, A.V., Sheverev, V.A. Collisional ionization of Rydberg states of alkali atoms 9—64097

Devdariani, A.Z., Ostrovskii, V.N., Ryzhikova, I.K., Sebyakin, Yu.N. On a mechanism of 'beats' in X-ray spectra excited by atomic collisions 9—94075

Devdariani, A.Z., Ostrovskii, V.N., Sebyakin, Yu.N. Peculiarities of electron and photon spectra connected with the interaction between quasistationary states 9—49969

Devdariani, A.Z. *see* Belyaev, A.K. 9—64064

Deveaud, B. *see* Huber, A.M. 9—90693

DeVeaux, J. *see* Miley, G. 9—49844

Develey, G. *see* Becle, C. 9—90597

Develey, G. *see* Glimois, J.L. 9—65035

Devenish, R. *see* Berger, C. 9—49519

Devenski, P.A. *see* Avdeichikov, V.V. 9—97711

Deventer, E.H.Van *see* Van Deventer, E.H.

Devenyi, T.F. *see* Kriegler, R.J. 9—56279

Devereaux, M.J. *see* Kallne, J. 9—85521

Devereux, O. Polarization curve-fitting by computer modelling 9—96316

Devi, M., Barbara, A.K. A study of 40 MHz RB records in relation to ionospheric characteristics at Gauhati 9—88529

Devi, S.Uma *see* Uma Devi, S.

Devi, V.M., Das, P.P., Narahari Rao, K. Intercomparison of CO_2 and HCN wave numbers at 800-600 cm^{-1} with a diode laser spectrometer 9—98082

Devi, V.M. *see* Reddy, S.P. 9—71542

Devi, V.Malathy *see* Malathy Devi, V.

Devienne, F.M., Teisseire, M., Combarieu, R. Formation of aggregates from solid metals bombarded by high energy molecular beams 9—74047

Deville, G., Bernier, M., Delrieux, J.M. NMR multiple echoes observed in solid ^3He 9—86961

Deville Cavelin, C. *see* Jandl, S. 9—87447

Devin, B. Realisation and prospects of solar energy at low temperature 9—52887

Devin, B. *see* Boy-Marcotte, J.-L. 9—61960

Devin, M.B., Pheline, M.J. Report on the development of solar energy in France 9—57368

Devinatz, A. *see* Ben-Artzi, M. 9—58568

Devine, R.A.B. Influence of charge transfer on the crystal field in rare-earth chalcogenides and pnictides 9—99516

Devine, R.A.B., Berthier, Y. Indirect evidence for exchange modification of the conduction bands in RAl_2 compounds 9—82568

Devine, R.A.B. *see* Berthier, Y. 9—78562

Devine, T.M. Mechanism of intergranular corrosion and pitting corrosion of austenitic and duplex 308 stainless steel 9—91846

Devins, D. *see* Myers, L.T. 9—75999

Devir, S. *see* Boazi, M. 9—52975

DeVito, B. *see* Allinger, J. 9—76203

Devitts, G. *see* Aleksandrov, E. 9—93166

Devkin, V.I., Mikhailov, A.I. Investigation of the ultraslow diffusion of lysozyme macroradicals in an aqueous matrix by the EPR method 9—92119

Devlin, G. *see* Capizzi, M. 9—95336

Devlin, G. *see* Geschwind, S. 9—95789

Devlin, G.E. *see* Walstedt, R.E. 9—78367

Devlin, J.C., Tolles, W.M. A novel light trapping phenomenon in fluid media 9—71179

Devlin, J.P. *see* Ritzhaupt, G. 9—99866

Devlin, T.J., Dickey, J.O. Weak hadronic decays. $K \to 2\pi$ and $K \to 3\pi$ 9—58956

DeVoe, H. *see* Brignoli, C.A. 9—50007

DeVoe, R. *see* Shochet, M.J. 9—63474

DeVoe, R.G., Szabo, A., Rand, S.C., Brewer, R.G. Ultraslow optical dephasing of $LaF_3:Pr^{3+}$ 9—64290

DeVolpi, A., Fink, C.L., Rhodes, E.A., Hosteny, R., Rhude, H.V., Boyar, R.E., Duncan, L.J., Evans, A.E., Barton, J. Fuel displacement diagnostics for a 91-pin subassembly 9—49776

Devon, T.K. *see* Bawden, D. 9—83541

Devonshire, R. *see* Searle, T.M. 9—83026

DeVor, R.E., Schomer, P.D., Kline, W.A., Neathamer, R.D. Development of temporal sampling strategies for monitoring noise 9—98542

DeVore, T.C., Gallaher, T.N. The vibrational infrared spectrum of the $X(^5\Delta)$ state of FeO 9—63998

DeVore, T.C., Gallaher, T.N. The vibrational infrared spectrum of the group IV transition metal nitride gaseous molecules 9—68230

DeVore, T.C. *see* Van Zee, R.J. 9—98084

Devoret, M. *see* Sullivan, N.S. 9—56022

Devoto, A. *see* Cung, V.K. 9—76538

Devoto, A. *see* Feldman, G. 9—80463

Devoto, R.S. *see* Bender, D.J. 9—76124

Devoto, R.S. *see* Carlson, G.A. 9—71973

Devreese, J. *see* Kartheuser, E. 9—56142

Devreese, J.T., Brosens, F., Lemmens, L.F. Dynamical exchange effects on the plasmon dispersion in aluminium 9—51509

Devreese, J.T., Lemmens, L.F., Ngai, K.L. New magneto-optical anomalies of impurity polarons in InSb at the two LO-phonon region—phonon replica 9—61227

Devreese, J.T. *see* Brosens, F. 9—60741

Devreese, J.T. *see* Van Camp, P.E. 9—55839, 9—77700, 9—95355

Devreux, F., Jeandey, Cl., Nechtschein, M., Fabre, J.M., Giral, L. Electron-proton couplings and local susceptibilities in TTF and TCNQ salts 9—82883

deVries, H.A. *see* Moritani, T. 9—74618

Devries, P.L., George, T.F. On the interweaving of partial cross sections of different parity 9—59538

Devries, P.L., George, T.F. An angular momentum approximation for molecular collisions in the presence of intense laser radiation 9—94058

DeVries, P.L., George, T.F. Quantum-mechanical calculation of three-dimensional atom-diatom collisions in the presence of intense laser radiation 9—98190

DeVries, R.C. *see* Mao, H.K. 9—91888

DeVries, R.M. Alpha decay and alpha transfer reactions 9—67762

DeVries, R.M. Resonant heavy-ion elastic scattering from s-d shell nuclei 9—67763

DeVries, R.M. High-energy, heavy-ion elastic scattering 9—67764

DeVries, R.M. *see* Anderson, R.E. 9—67733

Devyanin, S.A. On the role of new exchanges in the reactions of $\pi^+p \to (\rho^0,\omega)\Delta^{++}(1238)$ 9—54355

Devyatkov, A.G. *see* Agranat, M.B. 9—95879

Devyatkov, N.D. *see* Andrenko, S.D. 9—86114

Devyatykh, G.G. *see* Alferov, Zh.I. 9—64346

Devyatykh, G.G. *see* Belov, A.V. 9—59857

Devyatykh, G.G. *see* Gur'yanov, A.N. 9—64345

Dew-Hughes, D., Linse, V.D. Formation of superconducting Nb_3Si by explosive compression 9—82701

Dewa, H., Honobe, M. Damping capacities of carbon fiber reinforced plastics 9—91869

Dewagenaere, Ph. *see* Benque, J.P. 9—84406

Dewan, E.M. Stratospheric wave spectra resembling turbulence 9—79981

Dewanjee, M.K., Okon, O.B., Bakhru, H., Preiss, I.L. Level structure of ^{105}Ag 9—97655

Dewanjee, M.K. *see* Singh, M. 9—79638

Dewar, C.L., Wolowyk, M.W. Scanning electron microscopy of blood cells 9—74812

Dewar, G., Heinrich, B., Cochran, J.F. Anomalous transmission of microwave power at FMR through nickel crystals at 4.2K 9—82877

Dewdney, A.K. A size limit for uniformly pulsating sources of electromagnetic radiation 9—84656

Dewdney, C. *see* Philippidis, C. 9—80466

Dewel, G., Borckmans, P., Walgraef, D. Fluctuations near phase transitions to non-uniform states 9—86870

Dewey, R., Sullivan, P.J. Longitudinal dispersion in flows that are homogeneous in the streamwise direction 9—98811

Dewey, W.C. *see* Blackburn, G.R. 9—88131

Dewey, W.C. *see* Raaphorst, G.P. 9—74727

Dewey, W.C. *see* Sapareto, S.A. 9—100673

Dewing, E.W. Thermodynamics of the system $NaF\text{-}AlF_3$. V. Solid solution in cryolite 9—52183

Dewing, J. *see* Cross, Y.M. 9—88913

Dewit, M. *see* Ciampolillo, S. 9—71739

Dewit, M. *see* Morfin, J.G. 9—71740

Dewit, M. *see* Pohl, M. 9—49507

DeWitt, B.S., Hart, C.F., Isham, C.J. Topology and quantum field theory 9—63353

DeWitt, D.P. *see* Caruso, P.M. 9—92424

DeWitt, D.P. *see* Hanley, E.J. 9—92328

DeWitt, D.P. *see* Overmyer, K.M. 9—96519

DeWitt, R.J., Jones, L.M., Sullivan, J.D., Willen, D.E., Wyld, H.W., Jr. Anomalous components of the photon structure functions 9—63479

DeWitte, G.J. *see* Linnenbrink, T.E. 9—89540

Dexiang Guan *see* Guan Dexiang

Dexpert, H. *see* Leskela, M. 9—64957

Dexpert-Ghys, J., Faucher, M. Laser-induced polarized fluorescence in cubic yttrium sesquioxide doped with trivalent europium 9—95838

Dexter, D.L., Lipari, N.O. Polarizability of Sb donors in silicon in a magnetic field 9—95368

Dexter, P.C. *see* Hunt, B.L. 9—77164

Dexter, S.C. Influence of substratum critical surface tension on bacterial adhesion—in situ studies 9—79493

Dexter, W.L. *see* Hester, R.E. 9—76157

Dexter, W.L. *see* Moir, R.W. 9—71972

Dey, A., Morrison, H.F. Resistivity modelling for arbitrarily shaped two-dimensional structures 9—92617

Dey, J. *see* Dey, M. 9—49575, 9—59026

Dey, M., Chakraborty, T., Dey, J. Binding energy of finite nuclei in Jastrow-Factor-Cluster method with applications in helium 9—49575

Dey, M., Samanta, B.C., Dey, J. Comparison of reaction matrices for free scattering and nuclear matter 9—59026

Dey, N.C. *see* Baijal, S.K. 9—68802

Dey, S., Addy, S.K. Reflection and refraction of plane waves under initial stresses at an interface 9—72838

Dey, S., Addy, S.K. Rayleigh waves in a thermoelastic half-space under initial stresses 9—94545

Dey, S.D. *see* Chakraborty, P. 9—83072

Dey, S.K. Effects of initial-boundary conditions on explicit numerical solution of Navier-Stokes equations 9—81839

Dey, S.K., Anderson, W.A., Delahoy, A.E., Cartier, C. Spectral-response and diffusion-length studies of amorphous, polycrystalline, ribbon, epitaxial, and single-crystal silicon MIS solar cells 9—92077

Dey, S.K., Fong, W.T.J. Conduction processes and threshold switching in amorphous Si films 9—78207

Dey, S.K., Roy, T. Constraint-free solution of static fluid charged sphere in relativity 9—97273

Dey, W., Ebersold, P., Leisi, H.J., Scheck, F., Walter, H.K., Zehnder, A. Nuclear spectroscopic ground-state quadrupole moments from muonic atoms: the quadrupole moment of ^{175}Lu 9—98252

Dey-Sarkar, S.K., Chapman, C.H. A simple method for the computation of body-wave seismograms 9—84492

Deye, J.A., Schell, M.C. Neutron beam characterization by means of a radioactivation image transfer (RIT) technique 9—88196

Deynega, Yu.F., Popko, K.K., Kovganich, N.Ya. Temperature dependence of the electroviscous effect and dielectric parameters of suspensions of hydrated substances in hydrocarbons 9—79299

DeYoung, R.J. *see* Wilson, J.W. 9—76668

Deza, E. *see* Kuroiwa, J. 9—88513

Deza, R., Masperi, L. Calculation of critical Pomeron intercept with block-spin methods 9—71615
Dezsi, Gy., Szonyi, L., Schanda, J., Czibula, Gy. Accuracy test of nine illuminance meters 9—88996
Dezsi, Gy. *see* Fillinger, L. 9—89001
Dezsi, Gy. *see* Shanda, J. 9—88995
Dezsi, I., Balogh, A., Balogh, J., Kajcsos, Z., Nagy, D.L., Zsoldos, E. Positron annihilation and Mossbauer studies on Cu_xZn_{1-x} alloys 9—65775
Dezsi, I. *see* Langouche, G. 9—82899
Dezsi, I. *see* Van Rossum, M. 9—61279
Dezso, E. The inner photoeffect and photon absorption in metals 9—51624
Dgebuadze, T.P., Zhuravlev, G.I. Use of electrical methods to study liquid-phase separation phenomena in glasses 9—66249
D'Haeyer, R. *see* Cosse, P. 9—52325
Dhal, S.S., Srivastava, B.B., Shingal, R. Elastic scattering of electrons by a hydrogen molecule at intermediate energies using optical eikonal theory 9—72420
Dhal, S.S., Srivastava, B.B., Shingal, R. Elastic scattering of electrons by methane molecules at intermediate energies 9—89780
Dhaliwal, R.S., Mohan Singh, B. Plane-strain problem of two coplanar cracks in an initially stressed neo-Hookean elastic layer 9—50666
Dhaliwal, R.S. *see* Mohan Singh, B. 9—81800
Dhaliwal, R.S. *see* Singh, B.M. 9—72859
Dham, A.K., Gupta, S.C. Comparative study of the methods for determination of force constants for unlike molecules 9—98848
Dham, A.K., Gupta, S.C. Study of transport and equilibrium properties of noble gases by the LJ (12-7) potential 9—98849
Dhamelincourt, M.-C., Migeon, M. Study by Raman spectroscopy of solid nitrosyl tetrachloroborate 9—69834
Dhami, T.L. *see* Bansal, R.C. 9—52753
Dhananjaya Rao, V. *see* Vidyanidhi, V. 9—72932
Dhanendran, M., Hutton, W.C., Paker, Y. A quantitative assessment of normal and pathological foot function 9—100760
Dhar, A.K. Test of the time-dependent Hartree-Fock theory in the $^{208}Pb+^{208}Pb$ reaction 9—49591
Dhar, A.K. *see* Broglia, R.A. 9—63695
Dhar, A.K. *see* Friman, B.L. 9—80892
Dhar, I. *see* Guy, J.G. 9—54357, 9—80844
Dhar, P.L., Dembi, N.J., Arora, C.P. A new correlation of heat-transfer data obtained with nucleate boiling of refrigerants in a horizontal tube 9—59911
Dhar, S.K. *see* Grover, A.K. 9—65643
Dhariwal, S.R., Basu, N., Gadre, R. Open-circuit to short-circuit switching: method for lifetime measurement in solar cells 9—79392
Dhariwal, S.R., Kothari, L.S., Jain, S.C. Response of p-n junction solar cells to concentrated sunlight and partial illumination 9—61996
Dharmadhikari, C.V., Joag, D.S., Kanitkar, P.L. Adsorption, surface migration and thermal desorption of LaB_6 on tungsten surface using field emission microscopy 9—56075
Dharmadurai, G., Ratham, B.A. Hysteresis of the critical current in nonequilibrium superconductors 9—56411
Dharmadurai, G., Ratnam, B.A. Voltage anomaly in long Ag-Sn proximity-effect bridges 9—51725
Dharmadurai, G., Ratnam, B.A. Anomalous critical currents in split planar thin-film superconductors 9—51731
Dharmadurai, G., Ratnam, B.A. Controllable proximity-effect weak-links 9—65615
Dharmadurai, G., Ratnam, B.A. Comment on thermal effects in superconducting proximity-effect bridges 9—78265
Dharmadurai, G., Ratnam, B.A. Critical-current hysteresis of superconducting proximity-effect bridges under phonon injection 9—87206
Dharmadurai, G. *see* Chopra, V. 9—63240, 9—75557
Dharmani, R.L. *see* Gupta, S.K. 9—59929
Dhatt, G. *see* Batoz, J.L. 9—81717
Dhawan, A. *see* Mansingh, A. 9—91044
Dhawan, G.K. A transversely isotropic half-space indented by a flat annular rigid stamp 9—55347
Dhawan, V.M., Sziklas, J.J., Spencer, R.P., Rich, D.A. Computerized double-tracer subtraction scanning with gallium-67 citrate in inflammatory diseases 9—70612
Dhelsen, D.Van *see* Van Dhelsen, D.
Dhere, N.G., Parikh, N.R. Morphology and semiconducting properties of vacuum-evaporated thick cadmium sulphide films prepared by the hot wall technique 9—95292
Dhere, N.G., Vaiude, D.G., Losch, W. Composition and temperature coefficient of resistance of Ni-Cr thin films 9—91161
d'Heurle, F. *see* Baglin, J. 9—99376
d'Heurle, F. *see* de Sousa Pires, J. 9—99619
D'Heurle, F. *see* Petersson, S. 9—82471
d'Heurle, F.M. *see* Baglin, J.E.E. 9—51443, 9—60649
d'Heurle, F.M. *see* Gangulee, A. 9—77936
d'Hieres, G.Chabert *see* Chabert d'Hieres, G.
Dhillon, G.S. *see* Mannan, K.D. 9—62151
Dhindaw, B.K. *see* Singh, R. 9—62008
Dhingra, S. *see* Forkert, L. 9—88102
Dhir, V.K. On the use of minimum film boiling temperature as a criterion for coherent molten metal-coolant interactions 9—54524
Dhir, V.K., Catton, I. The dryout heat flux in debris beds containing nonheated constituents and particles of different sizes 9—49668
Dhir, V.K. *see* Cherng, J.C. 9—93785
Dhir, V.K. *see* Chiou, H.H. 9—49741
Dhir, V.K. *see* Taghavi-Tafreshi, K. 9—49669
Dhir, V.K. *see* Varela, D. 9—49673
D'Hollander, E.H., Orban, G.A. Spike recognition and on-line classification by unsupervised learning system 9—57789
Dhond, R.V., Iyer, P.S., Worlikar, R.M. Analysis of personnel doses from nuclear medicine procedures 9—70645
D'Hooge, L., Vigoureux, J.M. Evanescent field excitation of homogeneous Raman scattering closed to a dielectric 9—99864
Dhotarad, M.S. *see* Ganesan, N. 9—81773
D'Humieres, D., Libchaber, A. Self diffusion of superfluid turbulence through porous media 9—55961
Dhurandhar, S.V. Nonequatorial tachyon trajectories in Kerr space-time and the second law of black-hole physics 9—71244
Dhurandhar, S.V., Narlikar, J.V. Tachyons and the second law of black hole physics 9—49117
D'Huysser, A., Bonnelle, J.P. The binding energy of fluorine 1s electrons and the different states of adsorption of fluorobenzene on the copper and chromium oxide based catalysts 9—69346
di Bard, F.Lely Garolla *see* Lely Garolla di Bard, F.
Di Blasio, G. Experimental investigation method on a line-of-sight radio link, by direct measurement of the impulse response 9—70867
di Caporiacco, G. *see* Bocciolini, M. 9—63871
Di Capua, M.S., Pellinen, D.G. Propagation of power pulses in magnetically insulated vacuum transmission lines 9—85765
di Chiara, A., Peluso, G., Russo, M. Vanadium-based light-sensitive Josephson junctions 9—99660
Di Chirico, G. *see* Brutti, C. 9—86145
Di Chiro, G. *see* Brooks, R.A. 9—66527
di Cicco, D. On teaching observational astronomy 9—71208
di Cicco, D. Filters to pierce the nighttime veil 9—88599
Di Fazio, A., Vagnetti, F. On the influence of initial conditions in protoclusters of galaxies 9—97089
Di Giacomo, P. *see* Capitani, G.P. 9—72034
Di Lauro, C., Lattanzi, F. Evidence for the $2\nu_3$ overtone in the infrared spectrum of methyl chloride 9—68226
Di Leo, S. *see* Giordano, P. 9—97875
Di Leo, T. *see* Salardi, G. 9—73586
Di Liberto, S. *see* Angelini, C. 9—67548
Di Lionardo, G. *see* Dal Borgo, A. 9—59438
Di Lollo, V., Wilson, A.E. Iconic persistence and perceptual moment as determinants of temporal integration in vision 9—53147
Di Marco, P. *see* Giro, G. 9—91142
Di Pasquale, S., Paradiso, M., Reale, E. Matrix formulation of large deformation analysis 9—98608
Di Pirro, M.J., Gasparini, F.M. The low temperature heat capacity of ^3He in a 37 Å ^4He film 9—51380
Di Porto, P. *see* Crosignani, B. 9—67238
Di Salvo, F.J. *see* Murphy, D.W. 9—100395
Di Salvo, F.J., Jr., Rice, T.M. Charge-density waves in transition-metal compounds 9—56148
Di Sciascio, N. *see* Avanzini, P.G. 9—97793
Di Serego, S. *see* Barbieri, C. 9—101201
Di Serego-Alighieri, S. First observations with the Reticon spectrophotometer at Cima Ekar Observatory 9—58254
Di Stefano, G. *see* Lenzi, M. 9—54948
Di Stefano, G. *see* Margani, A. 9—63950
Di Toro, D.M. Optics of turbid estuarine waters: approximations and applications 9—66712
Di Toro, M., Duggan, F. A rapidly convergent method for solving the static Hartree-Fock problem 9—97674
di Toro, M. *see* Bonaccorso, A. 9—85367
Di Tullio, G. *see* Arp, H. 9—53927
Di Tullio, G.A. On the variation of ellipticity with radius in elliptical galaxies 9—101202
Di Vecchia, P. An effective lagrangian with no U(1) problem in CP^{n-1} models and QCD 9—89066
Di Vecchia, P. *see* D'Adda, A. 9—54302
di Vecchia, P. *see* Din, A.M. 9—85209
Di-Sheng Tang *see* Tang Di-Sheng
Dia Yi-fang *see* Zhao Jing-lun 9—59308
Diachkoveskii, F.S. *see* Korshak, V.V. 9—55017
Diack, A.W., Welborn, W.S., Rullman, R.G., Walter, C.W., Wayne, M.A. An automatic cardiac resuscitator for emergency treatment of cardiac arrest 9—88147
Diadiuk, V. *see* Donnelly, J.P. 9—95473
Diakun, J. Pneumatic level detector for loose materials 9—85114
Dialetis, D. Excitation of a spherical resonant medium by an external field 9—81184
Diallo, A.O. The vibrational spectra and conformational structure of 2,2,3,3-tetrachlorobutane 9—73936
Diamant-Berger, A.M. *see* Brown, K.W. 9—80855
Diamant-Berger, A.M. *see* Dishaw, J.P. 9—85473
Diament-Berger, A. *see* Barish, B.C. 9—63536
Diamond, A.M. *see* Hull, D.L. 9—62991
Diamond, D.J. *see* Cheng, H.-S. 9—81026
Diamond, D.J. *see* Hsiang-Shou Cheng 9—59133
Diamond, J.M. *see* Clausen, C. 9—62201
Diamond, R. *see* Hein, A. 9—83774
Diamond, R.M. *see* Korner, H.J. 9—89221
Diamond, R.N. *see* Efremenko, V.I. 9—75763
Diamond, S. *see* Barnes, B.D. 9—61598
Diamond, W., Cohen, R.C., Storm, D.W. A pulsed synchrocyclotron ion source using a single cold cathode 9—54679
Diamond, W.T. *see* Litherland, A.E. 9—72193
Dian-qing Sun *see* Sun Dian-qing
Diana, L.M. *see* Coleman, P.G. 9—89786
Dianoux, A.J., Volino, F. Molecular order and dynamics in liquid crystals. Contribution from high resolution neutron scattering 9—50991
Dianoux, A.J. *see* Aldebert, P. 9—99357
Dianoux, A.J. *see* Besnard, M.E. 9—50978
Dianov, D.B., Zadirienko, I.M. Increasing the bandwidth of transducers by means of thin layers 9—64481
Dianov, E.M., Mashinskii, V.M. Elastic stresses in glass-fiber preforms 9—64343
Dianov, E.M., Nikitin, E.P. Spectral dependence of radiation-induced loss of optical fibres in the 0.45-1.75 μm region 9—50421
Dianov, E.M., Nikitin, E.P., Kornieko, L.S., Rybaltovsky, A.O., Chernov, P.V. Reversible photo-bleaching of radiation-induced losses in optical fibres 9—94356
Dianov, E.M. *see* Alferov, Zh.I. 9—64346
Dianov, E.M. *see* Belanov, A.S. 9—59835, 9—94360
Dianov, E.M. *see* Belov, A.V. 9—59857, 9—98504
Dianov, E.M. *see* Gur'yanov, A.N. 9—64345
Dias, J.P. A simplified variational model for the bidimensional coupled evolution equations of a nematic liquid crystal 9—73092
Dias, P., Portnoi, E.L., Raikh, M.E., Ryvkin, B.S. Near field and far field of a waveguide with smoothly graded refractive index 9—72705
Dias De Deus, J., Sakai, N. Generating quark and gluon fragmentation functions from QCD 9—97584
Diaz, A.E., Reed-Hill, R.E. Evidence for slow strain-rate embrittlement in tantalum due to oxygen 9—79109
Diaz, E., Latorre, J.R. Operating experience in the detection and location of damaged fuel elements at the Atucha nuclear power station 9—89460
Diaz, J. *see* Croset, M. 9—52845
Diaz, J. *see* Gurtu, A. 9—49517
Diaz, R.Moreno *see* Moreno Diaz, R.
Diaz Celleja, R. *see* Navarro, C. 9—90123
Diaz-Gongora, A. *see* Gonzalez-Basurto, J. 9—82644
Dibai, E.A. Spectroscopic investigation of the Seyfert galaxy Markarian 335 9—101204
Dibai, E.A., Doroshenko, V.T., Terebizh, V.Yu. Spectrophotometry of the Seyfert galaxy Arakelyan 120 9—62913
DiBenedetto, A.T. *see* Mehta, B.S. 9—55934
Dibenedetto, A.T. *see* Narkis, M. 9—99082
Dibitonto, D. *see* Giboni, K.L. 9—89204
Dibrov, B.F. *see* Belintsev, B.N. 9—92117
DiCenzo, S.B. *see* Betts, R.R. 9—63697, 9—80909
Dick, B. *see* Hohlneicher, G. 9—81244
Dick, B.G. Quantum interference and multilevel aspects of paraelectric defect relaxation processes 9—95109
Dick, B.G. *see* Tonks, D.L. 9—55849, 9—73274
Dick, G.J. *see* Delayen, J.R. 9—67986
Dick, I. *see* Hitchen, M. 9—66576
Dick, J.J. *see* Bloomquist, D.D. 9—95470
Dick, K.A. *see* Gottscho, R.A. 9—59481
Dicke, R. *see* Buttgenbach, S. 9—68207
Dicke, R.H. Solar luminosity and the sunspot cycle 9—75176
Dicke, R.H. *see* Castro, G. 9—81371
Dickel, G., Kretner, R. Point of inversion in electro-osmosis and phase transformation of Onsager coefficients 9—74417
Dickel, G. *see* Backhaus, G. 9—52775
Dickel, J.R., Greisen, E.W. The evolution of the radio emission from Cas A 9—67074
Dickens, B. *see* Mathew, M. 9—60332
Dickens, J.K. Fission yields for thermal-neutron fission of plutonium-241 9—54462
Dickens, M.H., Hutchings, M.T. Temperature dependence of phonons in fluorite crystals exhibiting high ionic conductivity 9—60450
Dickens, P.G., Birtill, J.J., Wright, C.J. Elastic and inelastic neutron studies of hydrogen molybdenum bronzes 9—65043
Dickens, P.G. *see* Birtill, J.J. 9—100427
Dickens, P.G. *see* Palmer, D.J. 9—99139

Dickens, R.J., Bell, R.A., Gustafsson, B. Carbon and nitrogen abundance in red giant stars in the globular cluster 47 Tucanae 9—97000
Dickens, R.J. *see* van Albada, T.S. 9—71080
Dickerman, C.E. *see* Mueller, C.J. 9—49775
Dickerman, C.E. *see* Rose, D. 9—49773
Dickerson, R.R., Stedman, D.H. Qualitative and quantitative flow visualisation technique using ozone 9—72972
Dickey, F.M., Moore, D.J. White light optical processor for edge enhancement and spectral filtering 9—76599
Dickey, F.M., White, J.R., Crill, J. Laser line art 9—59648
Dickey, J.M. Releases of radioactivity reported in the LER file (1971-1977) 9—85647
Dickey, J.M. *see* Cordes, J.M. 9—101213
Dickey, J.O. *see* Devlin, T.J. 9—58956
Dickey, J.W., Uberall, H. Acoustic high-frequency scattering by elastic cylinders 9—90046
Dickey, J.W. *see* Beard, J.T. 9—62074
Dickey, R.W. The initial value problem for a nonlinear semi-infinite string 9—49044
Dickey, T.D., Mellor, G.L. The Kolmogoroff $r^{2/3}$ law 9—68682
Dickinson, A.S. Non-reactive heavy particle collision calculations 9—59541
Dickinson, A.S. *see* Bhattacharyya, S.S. 9—89751
Dickinson, B. *see* Latham, A. 9—89168
Dickinson, B. *see* Morris, J.V. 9—93434
Dickinson, C.J. *see* Hinds, C.H. 9—70576
Dickinson, D.F. *see* Elmegreen, B.G. 9—71084
Dickinson, E. Polydispersity and osmotic pressure of stable ordered colloidal dispersions 9—74428
Dickinson, J. *see* Cheng, H. 9—63346
Dickinson, J.T. Comments on physics and society at Washington State University 9—97128
Dickinson, J.T. *see* Doering, D.L. 9—91829
Dickinson, J.T. *see* Larson, L.A. 9—78856, 9—79245
Dickinson, P.H.G. *see* Thomas, L. 9—75008
Dickinson, R.E., Liu, S.C., Donahue, T.M. Effect of chlorofluoromethane infrared radiation on zonal atmospheric temperatures 9—80019
Dickinson, R.E. *see* Ghazi, A. 9—84368
Dickinson, R.J. *see* Dale, B.W. 9—76456
Dickinson, S.M., Ueng, C.E.S., Nickels, R.C. Comment on 'Dynamic response of a structural panel by Bolotin's method' [and reply] 9—90164
Dickinson, S.M. *see* Vaskor, J.G. 9—81618
Dickinson, W.R., Snyder, W.S. Geometry of triple junctions related to San Andreas transform 9—57904
Dickman, D.O. *see* Bohachevsky, I.O. 9—86602
Dicks, J.B. *see* Chapman, J.N. 9—52942, 9—52950
Dickson, B.L., Clark, G.J. Technique for correcting for overburden effects in ground level radiometric surveys of uranium ore bodies 9—88485
Dickson, B.L. *see* Meakins, R.L. 9—79333
Dickson, D.P.E. *see* Gupta, G.P. 9—78586, 9—78587
Dickson, J.I. *see* Duval, M. 9—96091
Dickson, J.N. *see* Wang, J.T.-S. 9—76968
Dickson, L.D. Ronchi ruling method for measuring Gaussian beam diameter 9—55169
Dickson, P.W., Jr. Effect of alternative fuel cycles on the Clinch River Breeder Reactor 9—54484
Dicus, D.A., Kolb, E.W., Lubatti, H.J., Teplitz, V.L. Production and detection of new neutrinos 9—49501
Dicus, D.A. *see* Arndt, R.A. 9—93456
Didchenko, R. *see* Chwastiak, S. 9—79031
Didden, N. On the formation of vortex rings: rolling-up and production of circulation 9—50738
Didelez, J.-P. *see* Djaloeis, A. 9—89319
Didenko, A.N., Kozhevnikov, A.V., Medvedev, A.F., Nikitin, M.M., Epp, V.Ya. Radiation from relativistic electrons in a magnetic undulator 9—86121
Didenko, A.N. *see* Bistritsky, V.M. 9—72025
Didenko, A.N. *see* Grigor'ev, V.P. 9—55046, 9—55474
Didenko, P.I. *see* Barna, A. 9—55667
Didier, H.J. *see* Bham, W. 9—85747
Didisheim, J.-J., Yvon, K., Shaltiel, D., Fischer, P. The distribution of the deuterium atoms in the deuterated hexagonal Laves-phase $ZrMn_2D_3$ 9—73334
Didkovskaya, O.S., Savenkova, G.E., Morozova, N.S., Salei, V.S., Kisel', N.G., Ponomarev, Yu.A., Klimov, V.V. Piezoelectric ceramic based on lead zirconate-titanate with cerium-containing additives 9—52140
Didkovskaya, O.S., Selikova, N.I., Klimov, V.V. Modified ceramic based on $PbTiO_3$-$Pb(Fe_{1/2}Nb_{1/2})O_3$ 9—87392
Didkovskii, A.B., Bologa, M.K. Intensification of heat exchange upon condensation of a vapor in an electric field 9—86331
Diebenbusch, K., Krey, U. On the electronic properties and electrical conductivity of thin metal layers 9—78228
Diederich, S. *see* Bunde, A. 9—73260
Diederix, K.M., Blote, H.W.J., Groen, J.P., Klaassen, T.O., Poulis, N.J. Theoretical and experimental study of the magnetic properties of the singlet-ground-state system $Cu(NO_3)_2.2.5H_2O$: an alternating linear Heisenberg antiferromagnet 9—61136
Diederix, K.M., Groen, J.P., Klaassen, T.O., Poulis, N.J. Spin dynamics of the $S=^1/_2$ alternating linear Heisenberg antiferromagnet $Cu(NO_3)_2.2.5H_2O$ 9—51793
Diederix, K.M., Klaassen, T.O., Poulis, N.J. Dynamic behaviour of the alternating linear Heisenberg antiferromagnet 9—61257
Diegelmann, M., Hohla, K., Kompa, K.L. Interhalogen UV laser on the 285 nm band of ClF 9—76674
Diego, N.De *see* De Diego, N.
Diehl, H. *see* Johnson Bush, K. 9—84912
Diehl, H.W., Leath, P.L. Pseudofermion approach to binary disordered sytems. II. Goldstone systems with off-diagonal disorder 9—60466
Diehl, H.W., Leath, P.L. Pseudofermion approach to binary disordered systems. I. Effective-medium theories and the augmented-space method 9—60668
Diehl, H.W., Leath, P.L., Kaplan, T. Traveling pseudofermion approximation for phonon frequency spectra of binary mixed crystals 9—77704
Diehl, J. *see* Decker, W. 9—55920
Diehl, P., Bosiger, H., Zimmermann, H. The r_α structure of [1-^{13}C] benzene by NMR of oriented molecules: a study of the possible precision and of solvent effects 9—94017
Diehl, P., Jokisaari, J. Determination of the r_{α^*} structure of partially oriented monochlorobenzene utilizing the carbon-13 satellites in the proton NMR spectrum 9—50048
Diehl, P. *see* Jokisaari, J. 9—50050
Diehl, S.R., Smith, D.T., Sydor, M. Analysis of suspended solids by single-particle scattering 9—79435
Diekmann, S. *see* Frahm, J. 9—79305
Diel, J.H. Local dose to lung tissue from inhaled $^{238}PuO_2$ particles 9—92385
Diels, J.-C., Georges, A.T. Coherent two-photon resonant third- and fifth-harmonic vacuum-ultraviolet generation in metal vapors 9—72627
Diem, M., Hoschele, K., Walk, O., Witte, N. The measurement of balloons in the boundary layer 9—84421
Diem, M., Lee, E.K.C. The role of the cage dimer of formaldehyde in the photolysis of formaldehyde: argon matrix at 12K 9—91973
Diem, M. *see* Nafie, L.A. 9—71514, 9—99845
Diener, E.M. *see* Ventura, E. 9—63650
Dienes, A. *see* Bourkoff, E. 9—64257, 9—72590
Dienes, G.J. *see* Pick, M.A. 9—82345
Dienes, I. Methods of plotting temporal range charts and their application in age estimation 9—62595
Dienes, J.K. On the analysis of rotation and stress rate in deforming bodies 9—98604
Dienstbier, Z., Klir, P., Pospisil, J., Skala, E. Changes of the antiheparin activity of the blood plasma after irradiation 9—57717
Diep-The-Hung, Levy, J.C.S., Nagai, O. Effects of surface spin waves and surface anisotropy in magnetic thin films at finite temperatures 9—78452
Diep-The-Hung *see* Levy, J.C.S. 9—69702
Diepen, A.M.van *see* van Diepen, A.M.
Diercksen, G.H.F. *see* Von Niessen, W. 9—54764
Dierckx, P. *see* Soudan, K. 9—70564
Dierckx, R. *see* Battat, M.E. 9—54597
Diering, R.L. *see* McDowell, M.W. 9—72655
Dierker, S.B., Gudmundsson, H., Anderson, A.C. Resistance minima in amorphous PdSi alloy 9—56187
Dierker, S.B. *see* Matey, J.R. 9—67347
Diesburg, M. *see* Coteus, P. 9—63468
Diestler, D.J. *see* Ladouceur, H.D. 9—65161
Diestler, D.J. *see* Zewail, A.H. 9—86851
Dieter, N.H., Welch, W.J., Wright, M.C.H. H_2O masers and H II regions in W49 at 23 GHz 9—71136
Dieterich, J.H. Modeling of rock friction. I. Experimental results and constitutive equations 9—84240
Dieterich, J.H. Modeling of rock friction. II. Simulation of preseismic slip 9—84241
Dieterich, W. *see* Bishop, A.R. 9—49170
Dieterle, W.E. *see* Abrams, G.S. 9—89149, 9—89174
Diethrich, E.B. Intraoperative coronary arteriography: a predictor of graft patency 9—92343
Dietl, H. *see* Becker, H. 9—54363
Dietl, J. *see* Becker, H. 9—63533
Dietl, T. Dingle temperature in HgSe 9—65358
Dietrich, B., Voigt, J. Spatial dispersion effects in the transmission spectra of semiconductors in the region of exciton resonances 9—78704
Dietrich, D. *see* Alonso, J. 9—68073
Dietrich, F.S., Kerman, A.K. Pure-resonance model for radiative capture of fast nucleons 9—80936
Dietrich, H., Scheringer, C., Meyer, H., Schulte, K.-W., Schweig, A. Refinement of the molecular charge distribution in cyanuric acid. Comparison of observed and calculated electron densities. X. Theoretical static difference densities at experimental resolution and theoretical dynamic difference densities perpendicular to the molecular plane for cyanuric acid 9—55730
Dietrich, I., Fox, F., Knapek, E., Weyl, R., Heide, H.G. Radiation damage due to knock-on processes on carbon foils cooled to liquid helium temperature 9—55786
Dietrich, L., Reese, T. Measurements of emission coefficient for continuum radiation from shock-heated krypton plasmas 9—64835
Dietrich, M. *see* Keller, R. 9—56272
Dietrich, M. *see* Thorwarth, E. 9—73070
Dietrich, O.W. *see* Christensen, A.N. 9—86858, 9—99284
Dietrich, V.J. *see* Cameron, W.E. 9—92539
Dietrich, W.F., Simpson, J.A. The isotopic and elemental abundances of neon nuclei accelerated in solar flares 9—92740
Dietsche, W. *see* Weber, J. 9—60573, 9—73391
Dietz, D., Greenberg, W. The conditional entropy in the microcanonical ensemble: the quantum lattice 9—80555
Dietz, D.R., Norton, S.J., Linzer, M. Wideband annular array response 9—55306
Dietz, E., Himpsel, F.J. Photoemission via Bloch states and evanescent band gap states for Cu(110) 9—61492
Dietz, E., Himpsel, F.J. Surface photoemission on Cu (110) 9—83097
Dietz, P.W. Cohesive force and resistivity between electrostatically-precipitated particles 9—86102
Dietz, R., Francis, M.A. Characterization of long-chain branching in poly(vinylacetate): a comparison of two methods 9—94122
Dietz, R.E. *see* Williams, G.P. 9—83096
Dietz, R.H. Electronic systems in the solar power satellite concept 9—92065
Dietz, R.J. *see* Dayem, H.A. 9—85738
Dietz, R.J. *see* Hakkila, E.A. 9—85755
Dietz, T.M. *see* Barone, J.B. 9—62579
Dietz, W., Bogue, D.C. Isothermal and non-isothermal stress relaxation following steady state shear flow 9—77044
Dietz, W., White, J.L. A simple model for the calculation of the true pressure loss during the filling process and of the frozen-in orientation of amorphous plastic injection moulding 9—77047
Dietze, G. SPEKT: a dialog program for evaluating multichannel spectra 9—63196
Dietzel, F. *see* Gericke, D. 9—100662
Dieudonne, R.V. *see* Gueury, M.J. 9—74324
Dieulesaint, E. *see* Royer, D. 9—86834
Dieulin, M. *see* Camus, P. 9—98055
Dieumegard, D. *see* Croset, M. 9—52845
Diez, R. *see* Dalmases, F. 9—92399, 9—100549
Diffey, B.L., Tate, T.J., Davis, A. Solar dosimetry of the face: the relationship of natural ultraviolet radiation exposure to basal cell carcinoma localisation 9—92382
Diffey, B.L. *see* Houston, A.S. 9—53233
Diffey, B.L. *see* Wells, C.P. 9—74744
Diggle, P.J. *see* Aherne, W.A. 9—70721
Dighe, S.V., Chan, B.C., Rothfus, R.R. 'Heat exchangers for ocean thermal energy conversion plants' 9—61959
Dighton, G.P., Jones, P.R.M., Walker, J.K. Echocardiographic assessment of atrial septal defect 9—70600
DiGiacomo, N.J., Peterson, R.J. Excitation of the low-energy octupole resonance in ^{90}Zr by 0.8 GeV proton inelastic scattering 9—93593
DiGiacomo, N.J. *see* Boudrie, R.L. 9—85540
DiGiacomo, N.J. *see* Smith, P.A. 9—67630
DiGiano, F.A. *see* Ku, W.C. 9—66354
DiGiuseppe, T.G. *see* Sridharan, U.C. 9—83445
Diguet, D. *see* Bechaz, G. 9—69892
Diguet, R., Bonnet, P., Barriol, J. Relation between refractive index and density of a fluid with cavity model of invariable radius: application to the study of permittivity. I. Study of nonpolar liquids 9—78642
Dihoiu, N. *see* Pop, I. 9—65034, 9—73675
Dijen, G.J.Van *see* Van Dijen, G.J.
Dijk, C.Van *see* Van Dijk, C.
Dijk, G.Van *see* Van Dijk, G.
Dijk, G.Van van *see* Van van Dijk, G.
Dijk, J.H.M.van *see* van Dijk, J.H.M.
Dijk, J.M.F.van *see* van Dijk, J.M.F.
Dijk, T.Van *see* Van Dijk, T.
Dijk, W.van *see* van Dijk, W.
Dijk-Milatz, A.van *see* van Dijk-Milatz, A.
Dijkerman, H.A. *see* de Vreede, J.P.M. 9—63288
Dijkerman, H.A. *see* Wensink, W.A. 9—59426
Dijkhuis, J.I., de Wijn, H.W. Spatial diffusion of weakly bottlenecked 29 cm^{-1} phonons in ruby observed by quasi-stationary techniques 9—73996
Dijkman, W.H. *see* De Boer, F.R. 9—77545
Dijkmans, A. *see* van Koppen, C.W.J. 9—57488
Dijkstra, A. *see* Heite, F.H. 9—50012
Dijstelbergen, H.H., Spencer, E.A. *(editor)* Flow Measurement of Fluids. Proceedings of FLOMEKO 1978 9—68839
Dikanov, S.A. *see* Ichikawa, T. 9—88991

Dikcius, G. *see* Danielius, R. 9—55187
Dikhter, I.Ya. *see* Valuev, A.A. 9—64952
Dikii, A.P. *see* Svistunov, V.M. 9—91190
Dikii, I.I. *see* Mikitishin, S.I. 9—52508
Dikii, I.I. *see* Petrivskii, R.I. 9—52439
Dikina, L.S., Kotenev, G.Ya., Rudavsky, E.Ya. Velocity and absorption of second sound in superfluid solutions of ^{3}He-^{4}He 9—56008
Dikman, G.I. *see* Shorr, B.F. 9—64487
Dikmen, M. Some recent advances in the dynamics of thin elastic shells: linear theory 9—59921
Dikovich, S.V. *see* Bykovskii, Yu.A. 9—90028
Dikovskii, V.Ya. *see* Blinov, A.G. 9—56499
Dikshit, H.K., Dikshit, K.D. Holographic measurement of reverberation time 9—68519
Dikshit, K.D. *see* Dikshit, H.K. 9—68519
Dikshtein, I.E., Tarasenko, V.V. Parametric excitation of sound in ferromagnets, ferrimagnets, and antiferromagnets near phase transition points 9—69710
Dikshtein, I.E., Tarasenko, V.V., Kharitonov, V.D. Static properties of easy-plane magnetic materials containing dislocations 9—95626
Diksic, M., Galinier, J.-L., Marshall, H., Yaffe, L. ^{79}Br and ^{81}Br(p,xn) and (p,pxn) excitation functions in the energy range 10-85 MeV 9—63673
Dil, J.G., Jacobs, B.A.J. Apparent size of reflecting polygonal obstacles of the order of one wavelength [video disc optical reading application] 9—89844
Dilawari, A.H. *see* Szekely, J. 9—55364
DiLella, D.P. *see* Stidham, H.D. 9—89679
Dileo, A.J. *see* Vilker, V.L. 9—68836
DiLeonardo, D.J., Kuczinski, A., Jr. TIPSY 9—67883
DiLiberto, S. *see* Read, A.L. 9—49510
Dilks, A. *see* Clark, D.T. 9—76344
Dilks, A. *see* Kay, E. 9—78928
Dill, D. *see* Wallace, S. 9—81238
Dillamore, I.L. Microstructural inhomogeneities resulting from high strain deformations 9—87705
Dillamore, I.L., Bush, A.C. Microstructural modelling of shear bands 9—91675
Dillard, J.W., O'Dea, J.J., Osteryoung, R.A. Analytical implications of differential pulse polarography of irreversible reactions from digital simulation 9—79325
Dillenschneider, W. *see* Lowe, R.S. 9—68246
Diller, K.R. *see* Knox, J.M. 9—92192
Diller, T.C. Phonetic word verification 9—68513
Diller, T.C. *see* Medress, M.F. 9—64424
Dillig, M. Investigation of possible dibaryon resonances in the $\Delta\Delta$ system 9—85285
Dillig, M., Brack, M. Investigation of the πNN, $\pi\Delta$N and $\pi\Delta\Delta$ formfactor 9—67552
Dillig, M., Hofmann, H.M., Klingenbeck, K. Study of giant isobaric resonances in the isobar doorway model 9—85428
Dillig, M. *see* Boudard, A. 9—85436
Dillig, M. *see* Brack, M. 9—85370
Dillig, M. *see* Handel, R. 9—67597
Dillingham, R. *see* Tawara, H. 9—83060
Dillman, R., Judell, N., Kuo, S. Replacement of Aztec by correlation for more accurate VPB detection 9—62388
Dillman, R. *see* Kuo, S. 9—70675
Dillon, J.B. *see* Abrams, G.S. 9—89149, 9—89174
Dillon, J.F., Jr. Magneto-optical properties of magnetic garnets 9—99859
Dillon, J.F., Jr., Blount, E.I., Yi Chen, E., Gyorgy, E.M., Van Uitert, L.G. Roles of the order parameters M and M_s in the magnetostriction of $Dy_3Al_5O_{12}$ (DAG) 9—73796
Dillon, J.F., Jr., Yi Chen, E., Blank, S., Bonner, W.A., Van Uitert, L.G. Forced magneto-optical rotation (MOR) in YIG 9—61347
Dillon, J.F., Jr. *see* Yi Chen, E. 9—73902
Dillow, C.F., Palacios, J. Cryogenic pumping of helium, hydrogen, and a 90% hydrogen-10% helium mixture 9—80633
Dilmi, T., Chovet, A., Viktorovitch, P. Influence of a magnetic field on 1/f noise in ambipolar semiconductors: Evidence of its surface origin 9—99592
Dilmore, M.F., Clark, D.E., Hench, L.L. Aqueous corrosion of lithia-alumina-silicate glasses 9—61753
Dilonardo, M. *see* Cacciatore, M. 9—64933
Dilonardo, M. *see* Capitelli, M. 9—59589
DiLorenzo, J.V., Niehaus, W.C., Cho, A.Y. Nonalloyed and in situ Ohmic contacts to highly doped n-type GaAs layers grown by molecular beam epitaxy (MBE) for field-effect transistors 9—56307
Dim Young Duk *see* Young Duk Dim
Dimant, Ya.S. *see* Gurevich, A.V. 9—98860
Dimante, A.I. *see* Kliava, J.G. 9—95635
DiMaria, D.J., Ephrath, L.M., Young, D.R. Radiation damage in silicon dioxide films exposed to reactive ion etching 9—90704
Dimcev, T.V. *see* Prodanov, Ja.D. 9—88019
Dimchev, T.V. On the evaluation of the activity and the statistic accuracy in the activation determination of low concentrations of elements 9—87928
Dimchev, T.V. *see* Teneva, M.I. 9—88018
DiMelfi, R.J., Deitrich, L.W. The effects of grain boundary fission gas on transient fuel behavior 9—54532
DiMelfi, R.J., Deitrich, L.W. Modeling of the effects of grain-boundary fission gas on transient fuel behavior 9—59169
Dimet, F.-X.Le *see* Le Dimet, F.-X.
Dimet, F.X.Le *see* Le Dimet, F.X.
Dimic, V. *see* Dahlborg, U. 9—57572
Diminshtein, O.S. *see* Grigor'ev, V.M. 9—80168
Dimitrijevic, M.S., Grujic, P.V. On mutual angle and energy distributions near ionisation thresholds for electron-ion collisions 9—64108
Dimitrijevic, P. *see* Nikolic, P.M. 9—55695, 9—56777, 9—56870
Dimitrijevic, T. *see* Petrovic, R. 9—78242
Dimitriu, S. *see* Danescu, Al. 9—52884
Dimitroulas, C. *see* Payne, B.R. 9—53393
Dimitrov, C. *see* Dworschak, F. 9—65118
Dimitrov, D.S. *see* Panaiotov, I. 9—56042
Dimitrov, G. *see* Mitrani, L. 9—74680
Dimitrov, G.V. Computed extracellular potentials of a number of muscle fibres. II. Communication. Effect of axial displacement of the muscle fibres 9—74620
Dimitrov, L.P. *see* Vankov, I.D. 9—85199
Dimitrov, O. *see* Duong, M.D. 9—70105
Dimitrov, O. *see* Dworschak, F. 9—65118
Dimitrov, S.K. *see* Vinogradova, O.A. 9—71956
Dimitrov, V., Driankov, D., Petrov, A. Fuzzy equations and their applications to water pollution control 9—57523
Dimitrova, S. *see* Borisova, L. 9—82614
Dimitrova, S. *see* Hristakudis, G. 9—76957
Dimitrova, T.N., Kamburov, H.K. Optimum measurement statistical conditions in determining the dead time of a Geiger-Mueller detector by the two radioactive source method 9—85868
Dimitrova, Z.St. *see* St. Dimitrova, Z.
Dimmick, G.R. Effect of orientation on critical heat flux in a 3-rod bundle cooled by Freon-12 9—93709
Dimmock, J.O. *see* Hemstreet, L.A. 9—87064
Dimock, D. *see* Eubank, H. 9—82074
Dimock, J. Scalar quantum field in an external gauge field 9—97489
Dimoff, K. *see* Mai, H.H. 9—90482
Dimon, P. *see* Dutta, P. 9—95458
Dimopoulos, S. A solution of the strong CP problem in models with scalars 9—75699
Dimopoulos, S., Susskind, L. Mass without scalars 9—75709
Dimova, V. *see* Georgiev, J. 9—65203
Dimova, V. *see* Troev, T. 9—65953
Dimpfl, W.L. *see* Murphy, E.J. 9—80692
Dimri, V.P. *see* Negi, J.G. 9—92619
Dimroth, E. Significance of diagenesis for the origin of Witwatersrand-type uraniferous conglomerates 9—84265
Dimroth, E., Demarcke, J. Petrography and mechanism of eruption of the Archean Dalembert tuff, Rouyn-Noranda, Quebec, Canada 9—62472
Din, A.M., di Vecchia, P., Zakrzewski, W.J. Quantum fluctuations in the one-instanton sector of the CP^{n-1} model 9—85209
Din, A.M., Finjord, J., Zakrzewski, W.J. Mass corrections to some instanton effects 9—71604
Din, A.M.Shams El *see* Shams El Din, A.M.
Din, A.S.Salah El *see* Salah El Din, A.S.
Din De-wen, Lo Xun-bo The theoretical basis for thermal model experiments of frozen soils 9—79823
Din-Jun Luo *see* Luo Din-Jun
Dinaburg, L.B. *see* Balbekov, V.I. 9—63829
d'Incan, J. *see* Verges, J. 9—59504
Dincer, S., Bonner, D.C., Elefritz, R.A. Vapor-liquid equilibria in the benzenepolybutadiene-cyclohexane system 9—95147
Dindliker, R. Heterodyne holographic interferometry: a review 9—86141
Dinelli, G., Maini, M. Remote sensing of thermal alterations and circulation patterns of riverine and coastal effluents 9—57524
Diner, D.J. The equatorial and polar limb-darkening of Venus in the 8-20μm Region 9—88613
Diner, D.J., Westphal, J.A. Correlation of simultaneous ultraviolet (0.36 μm) and infrared (8 to 14 μm) images of Venus 9—53744
Diner, D.J. *see* Taylor, F.W. 9—70978
Dinerstein, H.L. *see* Lester, D.F. 9—53870
Dines, T.J. *see* Clark, R.J.H. 9—85965
Dinesha, K.V. *see* Sarma, C.R. 9—85887
Dinev, S.G., Radev, C.I., Stamenov, K.V., Stankov, K.A. X-ray emission from a laser irradiated target in the presence of high electric field 9—94818
Ding, A. *see* Van Lumig, A. 9—89821
Ding I-hui A case study on the excessively severe rainstorm in Honan province, early in August, 1975 9—84448
Ding Shi-Ling *see* Liang Jing-Kui 9—51059
Ding Wen-Jing An analysis of certain factors relating to dilatancy 9—88254
Ding Wen-jing Some characteristics of stress field around block-segments immediately before strong shock waves take place 9—100814
Ding-qing Deng *see* Deng Ding-qing
Ding-sheng Wang *see* Wang Ding-sheng
Ding-wen Wei *see* Wei Ding-wen
Dingchang Xian *see* Xian Dingchang
Dingchyan, A.E. Influence of an electric field on the parameters of MBBA domains in the presence of iminoxyl free radicals 9—64992
Dinges, H.W. *see* Kuphal, E. 9—87011
Dingle, R. *see* Stormer, H.L. 9—65530
Dingman, S.L. Drainage density and streamflow: a closer look 9—88384
Dinh-Lien Pham, de Swiniarski, R. Spin-orbit deformation in the inelastic scattering of polarized protons from ^{12}C and ^{16}O 9—75963
Dinh-Lien Pham *see* De Swiniarski, R. 9—54428
Dinhut, J.F. *see* Riviere, J.P. 9—77646
Dinkel, J.A. *see* Bourkland, K.R. 9—76206
D'Innella, P. New developments in trapless leak detection 9—63248
Dinno, K.S., Robinson, M. Limit analysis of thick and thin circular plates subjected to transverse pressure 9—68565
Dinno, M.A. *see* Ozkaplan, H. 9—78230
D'Innocenzo, A., Ingrosso, G., Rotelli, P. The two-component fireball model applied to meson-proton multiplicity data 9—63453
D'Innocenzo, A., Ingrosso, G., Rotelli, P. The p$\bar{p}$ annihilation channel as a prototype for the central fireball in pp production processes 9—75802
Dintelmann, F. Attenuation measurements during the first year of SIRIO reception at the Deutsche Bundespost experimental Earth station at Leeheim 9—84335
Dinter, M. Collective excitations in charged superconductors below T_c and the longitudinal ultrasonic spectrum 9—56389
Dinu, L. Analytical and numerical methods for the study of some magnetic field configurations 9—86623
Dinu, L., Vlad, M. A numerical study of the evolution of a magnetized plasma by means of a hybrid model 9—90452
Dinu, V. *see* Badescu, St. 9—86199
DiNunno, J.J. Environmental aspects of high-level radioactive waste disposal in deep geologic formation 9—49712
Dinur, U., Honig, B. Natural orbitals of s-cis-butadiene and their relation to photochemical cyclization 9—85900
Diodato, L. *see* Bavassano-Cattaneo, M.B. 9—58211
Diogenova, T.V., Koyen, M.A., Konnikov, Yu.V., Khazanov, G.V. Absorption of MHD waves in the upper atmosphere 9—53588
Dion, J.-L. The orienting action of ultrasound on liquid crystals related to the theorem of minimum entropy production 9—77498
Dion, M. *see* Brun, P. 9—62324
Dion, M. *see* Ganne, M. 9—86749
Dionisi, C. *see* Barone, L.M. 9—80835
Dionisi, C. *see* Gurtu, A. 9—49517
Dionisi, C. *see* Irving, A.C. 9—93458
Dionisi, C. *see* Mazzucato, M. 9—89148
Dionisio, J.S. *see* Vieu, Ch. 9—49572
Dionisio, J.S. *see* Wieclawik, W.E. 9—80867
Dionne, G.F. Origin of the magnetostriction effects from Mn^{3+}, Co^{2+}, and Fe^{2+} ions in ferrimagnetic spinels and garnets 9—91277
Dionysiou, D.D. Dynamical motions of charged particles in Newtonian and post-Newtonian approximation. I 9—80480
Dionysiou, D.D., Vaiopoulos, D.A. Lagrangian for a system of charged particles to higher-order terms 9—97219
Diop, A. *see* Badier, J. 9—93460
Diop, S., Heller, W., Kalousdian, S., Watson, J.H.L. Mechanical and surface coagulation. VI. Differential surface coagulation in two-component colloidal solutions 9—79303
Diosady, P.L. *see* Moselhy, M.M. 9—92028
DiPaola, R. *see* Kahn, E. 9—62354
DiPrima, R.C., Pridor, A. The stability of viscous flow between rotating concentric cylinders with an axial flow 9—59989
Diprose, M.F., Collier, R.J., Taylor, D.J.E. Surface electrocardiogram recording electrodes 9—100779
Dirac, P.A.M. The monopole concept 9—49366
Dirhan, L.A., Jr. *see* Beard, J.T. 9—62074
Dirks, A.G., Gijsbers, J.R.M. Crystallization of amorphous rare earth-iron and transition metal-boron thin films 9—87019
Dirks, A.G. *see* Biesterbos, J.W.M. 9—91273
Dirks, A.G. *see* Leamy, H.J. 9—82838
Dirks, D.D., Gilman, S. Exploring azimuth effects with an anthropometric manikin 9—96572
Dirks, D.D. *see* Kamm, C. 9—96577
Dirks, F.J.H. *see* Koefoed, O. 9—92621
Dirks, R.A. *see* Sisterson, D.L. 9—57998
Dirksen, C., Huber, M.J. Soil water flow model with two-dimensional automatic gamma ray attenuation scanner 9—53387
Dirl, R. Clebsch-Gordan coefficients: general theory 9—58570
Dirl, R. Multiplicities for space group representations 9—60291
Dirl, R. Clebsch-Gordan coefficients for space groups 9—60292

Dirl, R. Clebsch-Gordan coefficients for Pn3n 9—60293
Dirl, R. Coupling coefficients: General theory 9—88829
Dirl, R. Complex conjugation of space group representations 9—90583
Dirl, R. Coupling coefficients for space groups 9—90584
Dirl, R. Coupling coefficients for Pn3n 9—90585
Dirmhirn, I. *see* Eaton, F.D. 9—62514
Dirmhirn, I. *see* Mohr, A.J. 9—74499
Dirstine, R.T., Blumenthal, R.N., Kuech, T.F. Ionic conductivity of calcia, yttria, and rare earth-doped cerium dioxide 9—60543
Dirstine, R.T., Rosa, C.J. Defect structure and related thermodynamic properties of nonstoichiometric rutile (TiO_{2-x}) and Nb_2O_5 doped rutile. I. The defect structure of TiO_{2-x} (rutile) and partial molar properties for oxygen solution at 1273K 9—86790
Dirstine, R.T., Rosa, C.J. Defect structure and related thermodynamic properties of nonstoichiometric rutile (TiO_{2-x}) and Nb_2O_5 doped rutile. II. The defect structure of TiO_2 solid solution containing 0.1-3.0 mole % Nb_2O_5 and partial molar properties for oxygen solution at 1273K 9—90650
Dirwish, M., Griffiths, L.J., Parry, D.J. A high-speed photographic study of cylinderical blast-waves used for impact testing of materials 9—79189
DiSalvo, F.J., Eibschutz, M., Cros, C., Murphy, D.W., Waszczak, J.V. Magnetic and Mossbauer studies of $Li_xM_yV_{1-y}S_2$ (M=Fe or Cr) 9—73869
DiSalvo, F.J. *see* Dupree, R. 9—82755
DiSalvo, F.J. *see* Murphy, D.W. 9—92073
DiSalvo, V.S. *see* Manning, W.H. 9—57676
Dishaw, J.P., Diamant-Berger, A.M., Faessler, M., Liu, J.K., Merritt, F.S., Wojcicki, S.G., Barish, B.C., Bartlett, J.F., Bodek, A., Brown, K.W., Shaevitz, M.H., Siskind, E.J. Limits on the production of neutrino-like particles in proton-nucleus interactions from calorimetry measurements 9—85473
Dishaw, J.P. *see* Barish, B.C. 9—63536
Dishaw, J.P. *see* Brown, K.W. 9—80855
Dishman, J.M., Haszko, S.E., Marcus, R.B., Murarka, S.P., Sheng, T.T. Electrically active stacking faults in CMOS integrated circuits 9—78191
Dishovsky, N. *see* Boncheva-Mladenova, Z. 9—74075, 9—95915
Disitsa, V.S. *see* Abramov, V.A. 9—68908
Diskovskii, I.A. *see* Gudramovich, V.S. 9—58822
Dismukes, G.C., Hager, S.L., Lin, D.P., Morine, G.H., Willard, J.E. Photochemistry of electrons trapped in organic glasses 9—52722
Dispert, H.H., Geis, M.W., Brooks, P.R. Molecular beam reaction of K with HCl: effect of rotational state of HCl 9—74365
Dissado, L.A., Hill, R.M. Non-exponential decay in dielectrics and dynamics of correlated systems 9—73882
Disselhorst, J.H.M., van Wijngaarden, L. Oscillatory flow around the edge of a flat plate 9—72879
Disselhorst, J.H.M. *see* Van Wijngaarden, L. 9—68805
DiStasio, M., McHarris, W.C. Electrostatic problems? Relax 9—58489
DiStefano, D. *see* Schwartz, G.P. 9—77928
DiStefano, T.H., Pettit, G.D., Levi, A.A. The reflectance of dendritic-tungsten surfaces 9—91511
DiStefano, T.H. *see* Jach, T. 9—69938
Distler, G.I., Kobzareva, S.A., Lobachev, A.N., Melnikov, O.K., Triodina, N.S. On the growth mechanism of sodalite single crystals grown by the hydrothermal method on single crystal seeds coated with informative interfacial layers 9—52105
Ditchburn, R.W. Devices for altering the relation between retinal-image movement and the rotation of the eye 9—53281
Dittes, F.M., Kubyshin, Yu.A., Tarasov, O.V. Four-loop approximation in the ϕ^4 model 9—89070
Dittmann, H., Koppen, K., Solga, H. The importance of the standardizing work in the International Organization of Legal Metrology (OIML) for electrical measurements engineering 9—75486
Dittmar, A. *see* Scylaz, J. 9—57829
Dittmar, G. *see* Forbrig, B. 9—93213
Dittmar, G. *see* Schubert, F. 9—65997
Dittmer, G. Plasma polymerization of coatings in vacuum 9—70183
Dittner, P.F. *see* Moak, C.D. 9—51178
Dittrich, T. *see* Steinman, D.K. 9—53569
Dittrich, W. Finite temperature effects in QED 9—54286
Dittrich, W. Effective Lagrangians at finite temperature 9—71668
Dittrich, W. Elements of electrofluidic processes 9—94724
Dittrich, W., Wu-yang Tsai, Zimmermann, K.-H. Evaluation of the effective potential in quantum electrodynamics 9—67487
Ditzian, R.V. An Ashkin Teller model for spin glass in d dimensions 9—65691
Ditzian, R.V., Kadanoff, L.P. High-temperature expansion method for Ising systems with quenched impurities 9—78422
Ditzian, R.V., Kadanoff, L.P. Series studies of the four-state Potts model 9—85088
Ditzler, W.R. *see* Finley, D.A. 9—49625, 9—49626
Divakaran, C.P. Power plant systems based on solar energy 9—57418
Divakaruni, S.M. *see* Rout, R.K. 9—52911
Divatia, A.S. Operation of the variable energy cyclotron at Calcutta 9—54629
Divenyi, P.L. *see* Efron, R. 9—88082
Divieti, L., Mambrito, B. Resolution of electrostatic field due to nerve or muscular spikes for EMG analysis 9—57627
Divin, Yu.Ya., Nad', F.Ya. On conduction mechanism of high-quality superconducting point contacts 9—56440
Divin, Yu.Ya., Nad', F.Ya. Dependence of the sensitivity of superconducting point contacts on frequency and voltage in a noise background 9—58796
Divin, Yu.Ya., Nad', F.Ya. Dependence of excess current at superconducting point contacts on temperature and pressure 9—69635
Divin, Yu.Ya. *see* Antyukh, E.V. 9—62750, 9—96916
Divine, J.R. *see* Allen, C.R. 9—49717
Divinec, F. Measurement of the size of particles of an aerosol in medicine 9—74750
Divinskii, L.I. *see* Kachurin, L.G. 9—88405
DiVita, P., Rossi, U. Backscattering measurements in optical fibres: separation of power decay from imperfection contribution 9—76827
Diwan, P.S. *see* Soni, R.S. 9—99946
Dixit, A.N., Tripathi, S.R. Molecular extra correlation energy of some molecules by CHF method 9—76350
Dixit, D.K., Shiwalkar, B.D., Dokras, V.M. Some studies on an experimental solar pond 9—62076
Dixit, J.P. *see* Mehrotra, K.N. 9—99288
Dixit, L. *see* Raizada, B.B. 9—56779
Dixit, L.A. On torsional transient motion of a dusty Maxwell fluid between two concentric spheres 9—90258
Dixit, M.N. *see* Balasubramanian, T.K. 9—76443
Dixit, M.S. *see* Sperry, W.C. 9—94111
Dixit, P.N. *see* Deb, S. 9—61986
Dixit, P.S., Rao, P.K. Optical observations of geostationary satellites 9—84627
Dixit, S.D., Ghosh, S.N. Quenching of NO_2 continuum by Ar, CO_2 and NH_3 9—88520
Dixit, S.D. *see* Prasad, J. 9—82105
Dixit, S.N., Lambropoulos, P. Line-profile considerations of resonant multiphoton ionization 9—72290
Dixit, V.V., Balazs, L.A.P. Regge intercepts of multiquark systems in Feynman's bremsstrahlung analogy 9—97590
Dixmier, J. *see* Mosseri, R. 9—64996
Dixon, A.J. The energy spread of metal ions drawn from their liquid 9—61501
Dixon, B. Science and education 9—80392
Dixon, D.A., Eades, R.A., Truhlar, D.G. Ab initio SCF polarisabilities and electron-molecule adiabatic polarisation potentials. II. Li_2 9—89602
Dixon, D.A. *see* Truhlar, D.G. 9—72229
Dixon, F., Gow, R.S. Operational and reliability experience with ractor instrumentation 9—89453
Dixon, J.M. On the dynamic Jahn-Teller effect of Er^{3+} in Pd-Er 9—73478
Dixon, J.M. *see* Chatterjee, R. 9—97229
Dixon, J.R. *see* Sansonetti, J.E. 9—99749
Dixon, J.R., Jr., Furdyna, J.K. Radius-independent resonances in electron-hole drop magnetoplasmas 9—73446
Dixon, M., Hutchinson, P. Structural consistency and the fourth virial coefficient for inverse power potentials 9—99047
Dixon, R., Galik, R., Larson, D., Silverman, A., Herzlinger, M., Holmes, S.D., Pipkin, F.M., Raither, S., Wagner, R.L. Spectrometer study of ϕ-meson electroproduction 9—89169
Dixon, R. *see* Walton, J. 9—76204
Dixon, R.L. *see* Andrews, R.A. 9—67990
Dixon, R.N., Field, D. Rotational energy transfer in collisions between orbitally non-degenerate open-shell systems 9—50118
Dixon, R.N., Field, D. Rotational energy transfer within the $\tilde{A}^2A_1$ state of NH_2: absolute rate coefficients and the influence of spin exchange in collisions with H atoms 9—50119
Dixon, R.N., Field, D. Rotationally inelastic collisions of orbitally degenerate molecules; maser action in OH and CH 9—94068
Dixon, R.N., Robertson, I.L. A comparison of semi-local and non-local pseudo-potential techniques: calculations on Fe and FeH^+ 9—68184
Dixon, R.W., Beurrier, H.R. The effect of DC current bias on sustained oscillations in (Al,Ga)As double-heterostructure lasers 9—68392
Dixon, R.W., Joyce, W.B. A possible model for sustained oscillations (pulsations) in (Al,Ga)As double-heterostructure lasers 9—81426
Dixon, R.W., Joyce, W.B. Generalized expressions for the turn-on delay in semiconductor lasers 9—94233
Dixon, R.W., Joyce, W.B., Miller, R.C. On the relationship of light-output nonlinearities and light-output spikes in proton-bombarded stripe-geometry double-heterostructure (Al,Ga)As lasers 9—55138
Dixon, R.W. *see* Nash, F.R. 9—81452
Dixon, S.N. *see* Eung Ha Cho 9—82457
Dixon, T.A. *see* Steed, J.M. 9—64019, 9—72336
Dixon, W.G. Relativistic foundations for thermostatics 9—67239
Djafari-Rouhani, B. *see* Agrawal, B.K. 9—69352
Djaloeis, A. Deuteron ^{3}He scattering. Discussion on the uniqueness of their optical potentials 9—97685
Djaloeis, A., Didelez, J.-P., Galonsky, A., Oelert, W. Giant-resonance excitation by ^{130}MeV ^{3}He 9—89319
Djaloeis, A. *see* Alderliesten, C. 9—76005
Djaloeis, A. *see* Oelert, W. 9—63679, 9—93509
Djaloeis, A. *see* Paic, G. 9—76013
Djambazova, L., Zlateva, G., Kamenova, Z. Influence of the characteristics of nitride phase on the corrosion behaviour of nitrogen chromemanganese steels 9—61798
Djamgoz, M.B.A., Ruddock, K.H. Adaptation effects in electrical responses recorded from post-receptoral neurones in the isolated fish (roach) retina 9—79534
Djega-Mariadassou, C. *see* Benoit, P. 9—99907
Djele, S. *see* Pelzl, G. 9—94884
Djerassi, C., Smith, D.H., Varkony, T.H. A novel role of computers in the natural products field 9—50158
Djermouni, B. *see* Sanchez, J.P. 9—91320
Djeu, N. *see* Eden, G. 9—59705
Djeu, N. *see* Eversole, J.D. 9—85932
Djordjevic, A.R. *see* Popovic, B.D. 9—61184
Djordjevic, R., Elliott, R.J., Fujiwara, T. A CPA theory of excitations in structurally disordered materials using a lattice model 9—87030
Djordjevic, R. *see* Hadziahmetovic, D. 9—51493
Djordjevic, V.D., Redekopp, L.G. The fission and disintegration of internal solitary waves moving over two-dimensional topography 9—79857
Djordjevic, Z., Milosevic, S. A similarity between an Ising chain in the three-dimensional phonon field and some models of spin glasses 9—56540
Djudovic, P. *see* Holland-Moritz, K. 9—87435
Djukic, D.S. On the brachistochronic motion of a dynamic system 9—67147
Djurek, D. *see* Bilijakovic-Franulovic, K. 9—51253
Djurek, D. *see* Biljakovic-Franulovic, K. 9—55897
Djuric, J. Reply to 'Comment on "Spinning magnetic fields"' 9—55026
Djuric, M. *see* Jovanovic, J. 9—86419
Djurickovic, V. *see* Stunic, Z. 9—66417
Dlott, D.D. *see* Nelson, K.A. 9—78724
Dlubek, G., Brummer, O. The composition dependence of the effective vacancy formation enthalpy in copper-rich brass by means of positron annihilation 9—95872
Dlubek, G., Brummer, O., Alam, A. Recovery and recrystallization of plastically deformed α brass—a comparison of positron annihilation, electrical resistance and microhardness results 9—52240
Dlubek, G., Brummer, O., Alam, A. A study of recovery and recrystallization of plastically deformed $\alpha+\beta$ brass by positron annihilation 9—57003
Dlubek, G., Brummer, O., Meyendorf, N. Vacancy-impurity binding enthalpy in NiSb by means of positron annihilation 9—91525
Dlubek, G., Brummer, O., Meyendorf, N., Hautojarvi, P., Vehanen, A., Yli-Kauppila, J. Impurity-induced vacancy clustering in cold-worked nickel 9—99972
Dlugosz, J. *see* Stejny, J. 9—65004
Dlugunovich, V.A. Measuring surface temperature of metals during heating by laser irradiation 9—74030
Dlugunovich, V.A., Snopko, V.N. Optical temperature measurements during laser heating of the surface of solids 9—55911
Dmitrenko, I.M., Bondarenko, S.I., Loboda, N.M., Churikov, N.A., Bezuglaya, G.V. Preparation and investigation of high-stability Nb-Nb_xO_y-Pb(In) Josephson junctions 9—91188
Dmitrenko, I.M., Ivanov, N.I., Yurchenko, I.I. Ultrahigh-frequency radiometer with a superconducting detector 9—71526
Dmitrenko, I.M. *see* Bevza, Yu.G. 9—60988, 9—91189
Dmitrenko, I.M. *see* Fogel, N.Ya. 9—95546
Dmitrenko, I.M. *see* Volotskaya, V.G. 9—56449
Dmitrenko, V.V. *see* Gal'per, A.M. 9—80133
Dmitrevskii, N.N., Sil'vestrov, S.V. Error estimation of traveling-wave equipment in the active-impedance termination method 9—94429
Dmitriev, A.E., Krasnikova, E.I., Medvedev, B.A., Parshkov, O.M. Evolution of coherent-radiation probing pulses in a medium with varying energy-level populations 9—76755

Dmitriev, A.K. *see* Baulin, N.N. 9—77301
Dmitriev, G.A., Antonova, I.A. Pulse expander [for ionospheric research] 9—70892
Dmitriev, I.A. *see* Zatsepin, A.F. 9—65176
Dmitriev, I.S., Zaikov, V.P., Tashaev, Y.A. A semiempirical method for determining the cross sections for the loss of electrons by fast multiply charged ions 9—86054
Dmitriev, L.M. Study of the electron energy distribution in a weakly ionized gas 9—82028
Dmitriev, P.P., Panarin, M.V. Yield of ^{129}Cs and ^{127}Cs in the irradiation of iodine by α particles 9—67760
Dmitriev, S.G., Kogan, Sh.M. Effect of a discrete dipole layer on the surface of a crystal on the surface barrier shape 9—95468
Dmitriev, S.M. *see* Gulis, I.M. 9—50073
Dmitriev, V.D. *see* Bychenkov, V.S. 9—80964
Dmitriev, V.G., Denisov, A.N., Shalaev, E.A. Influence of the quadratic nonlinearity on the necessary conditions for spontaneous mode locking in a YAG:Nd^{3+} laser 9—64261
Dmitriev, V.G., Shalaev, E.A. Increasing the pulse duration of electrooptically Q-switched YAG:Nd^{3+} laser radiation by intracavity second harmonic generation 9—94255
Dmitriev, V.G., Zenkin, V.A., Kornienko, N.E., Ryzhkov, A.I., Strizhevskii, V.L. Lasers with nonlinear active media 9—64285
Dmitriev, V.M., Khristenko, E.V. Phase stratification in a homogeneous superconductor in a microwave field 9—82711
Dmitriev, V.M., Khristenko, E.V., Churilov, G.E., Svetlov, V.N. Structure of nonequilibrium resistive state of superconducting strips 9—56377
Dmitriev, V.P., Rabkin, L.M., Soboleva, L.V., Chubich, A.A., Shuvalov, L.A. Raman spectra and phase transitions in the ferroelastic $K_2Ba(NO_2)_4$ 9—56800
Dmitrieva, A.K., Dudkin, L.D., Erofeev, R.S., Ivanova, A.B., Shcherbina, E.I. Characteristics of the influence of Sn and Pb on the properties of Bi_2Se_3 9—51569
Dmitrieva, E.A. *see* Bastun, V.N. 9—52303
Dmitrieva, G.P., Shurin, A.K., Vasil'ev, A.D. Mechanicostructural properties of iron alloys with vanadium carbide 9—52171
Dmitrieva, I.K., Plindov, G.I. Electron binding energy for heavy ions in strong magnetic fields 9—68176
Dmitrieva, L.P. *see* Shigarev, A.S. 9—57153
Dmitrieva, Z.P. *see* Buzhinskii, I.M. 9—50367
Dmitrievskaya, E.V. *see* Vasil'ev, V.G. 9—71874
Dmitrievskii, O.D., Kartasheva, V.I., Podmoshenskii, I.V., Filippov, O.K. Capillary discharge mode selection for IR brightness standard 9—55198
Dmitrievskii, Yu.P. *see* Balbekov, V.I. 9—63829
Dmitrievsky, V.P. *see* Vasilyev, A.A. 9—54655
Dmitriyev, V.I., Rotanova, N.M., Balykina, O.N., Zakharova, O.K. Resolution of the curves of deep magnetovariation sounding 9—53300
Dmitriyev, V.I. *see* Tikhonov, A.N. 9—88487
Dmitriyev, Yu.G., Sporyagin, E.A. A mathematical model of two-dimensional nonisothermal processing of viscoelastic polymers between calender rolls 9—68670
Dmitriyeva, V.B. *see* Bokser, V.D. 9—77165
Dmowska-Zelazowska, A. *see* Jankowska, H. 9—70010
Dmytrakh, I.N. *see* Panasyuk, V.V. 9—52477
Dneprovskii, V.S. *see* Boiko, G.A. 9—64234
Dnestrovskii, Yu.N., Kostamarov, D.N., Popov, A.M. Dynamics of magnetic islands in the presence of a non-monotonic current profile in a Tokamak 9—98879
Dnestrovskii, Yu.N. *see* Gurevich, A.V. 9—98860
Do, Q.H. *see* Besset, D. 9—63503
Do, Q.-H. *see* Besset, D. 9—67593
Do Carmo, L.C.S., Luty, F. Ferroelasticity and F-center absorption in rubidium-cyanide 9—87475
do Carmo A. Santos M. *see* M. do Carmo A. Santos
Do Duc, H., Tissot, P. Anodic behaviour of tin in neutral phosphate solution 9—96187
Do-cong-vinh *see* Zentko, A. 9—61057
Doan Nhat Quang, Esser, B., Keiper, R. On the theory of the complex dielectric function of a heavily doped degenerate semiconductor 9—90982
Doan-Kim-Son, Coutanceau, J. On the spectral energy distribution in the transition region in free convection flow 9—64651
Doane, J.W. *see* Collings, P.J. 9—64987
Doane, J.W. *see* Vaz, N.A.P. 9—60270
Doazan, V. *see* Harmanec, P. 9—53817
Dobatkin, S.V. *see* Bernshtein, M.L. 9—57018
Dobatkin, V.I., Elagin, V.I., Mudrenko, G.A., Sizova, R.M. Structure of monotectic system alloys accompanying rapid cooling of melts 9—70053
Dobatkina, T.V. *see* Padezhnova, E.M. 9—74131
Dobben, J. *see* Pals, J.A. 9—56364
Dobbert, P., Fabry, F., Koos, V., Mischok, W. Influence of thermal pretreatment at vitrifying temperatures on ordering in polyethyleneterephthalate (PETP). I. Dielectric and calorimetric investigations 9—65006
Dobbin, K.D. *see* Daughtry, J.W. 9—80999
Dobbs, B.C. *see* Lank, D.J. 9—77628
Dobbs, L.D. *see* Kubota, T. 9—77148
Dobes, J. Calculations of generalized harmonic oscillator brackets 9—53996
Dobes, J. *see* Betak, E. 9—63651, 9—75960
Dobes, K. *see* Feygin, F.Z. 9—75051
Dobias, J. *see* Massey, P. 9—101171
Dobias, W.F. View port for scanning electron microscope 9—75655
Dobiasch, H. *see* Fischer, R. 9—71835
Dobiasch, H. *see* Klages, H.O. 9—75965
Dobkowski, Z. Calorimetric determination of glass transition point in polycarbonates 9—51241
Doblar, D.D., Min, B.G., Chapman, R.W., Harback, E.R., Welkowitz, W., Edelman, N.H. Dynamic characteristics of cerebral blood flow response to sinusoidal hypoxia 9—100652
Doblar, D.D. *see* Min, B.G. 9—100639
Dobosy, R. Dispersion of atmospheric pollutants in flow over the shoreline of a large body of water 9—100913
Dobre, M. *see* Iova, I. 9—60209
Dobretsov, G.E., Vekshin, N.L., Vladimirov, Yu.A. Differences in spatial organization of protein-lipid complexes in membrane of liver endoplasmic reticulum and sarcoplasmic reticulum 9—70529
Dobretsov, G.Ye., Petrov, V.A., Vladimirov, Yu.A. Mobility of water molecules in the surface layer of membranes recorded by the fluorescent probe 4-dimethylaminochalcone 9—79450
Dobrev, D.D. Texture of silver films condensed in vacuum on glass 9—83226
Dobrew, D., Tenczew, C., Artemjew, K. p,p'-dichlorodiphenyltrichloromethylmethane—An accelerator of butyl rubber vulcanization with resins 9—74129
Dobrigkeit, C. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Dobrikov, V.N. *see* Stepanenko, V.A. 9—68112
Dobrin, V.A. *see* Mints, R.I. 9—55664
Dobromyslov, A.V. *see* Vozilkin, V.A. 9—83172
Dobronogova, S.I., Lukach, Yu.Ye., Ruzhinskaya, L.I. Thickness adjustment and cooling of extruded thermoplastic sheets between calender rolls 9—68597
Dobrosavljevic, L., Radovic, Z., Kulic, M. Non local pinning and inversion temperature in inhomogeneous superconductors 9—56475
Dobrosavljevic, L. *see* Hujdur, A. 9—51716, 9—55988
Dobrotin, N.A. *see* Apanasenko, A.V. 9—92642
Dobrotin, N.A. *see* Baiburina, S.G. 9—80156, 9—80170
Dobrova, N.B. *see* Uglov, F.G. 9—57811
Dobrovinskii, I.R. *see* Borokhovich, A.I. 9—52584
Dobrovol'skii, A.A., Lemanov, V.V., Sherman, A.B. Interaction of surface acoustic waves in a phosphor-bearing piezoelectric: a new method for exciting electroluminescence 9—60615
Dobrovolskii, N.M. *see* Alekseevskii, N.E. 9—51710, 9—86773
Dobrovol'skii, V.I. Resistance of materials to deformation and fracture due to low-cycle fatigue in plane bending 9—66166
Dobrovol'skii, V.I. Effect of stress concentration upon resistance to low-cycle fracture 9—87697
Dobrovol'skii, V.I., Pryakhin, V.V. Recording deformation curves and working life in cyclic elastoplastic bending 9—52499
Dobrovol'skii, V.N., Krolevets, A.N. Hall currents in layer semiconductor systems 9—69589
Dobrovol'skii, V.N., Krolevets, A.N. Hall current in a sample of 'arbitrary' shape 9—73532
Dobrovol'skii, V.N., Krolevets, A.N. Determination of the electrical resistivity and Hall coefficient of samples dual to van der Pauw samples 9—88984
Dobrovol'skii, V.N., Uzhva, V.I., Malyutenko, V.K. Intrinsic magnetoresistance of a semiconductor with unipolar conduction 9—69534
Dobrovol'skii, V.N. *see* Abessonova, L.N. 9—51654, 9—69577, 9—78150
Dobrovol'skis, A.T. *see* Sakalauskas, S.Yu. 9—67340
Dobrovsky, L., Skala, J. Nucleation of titanium inclusions in steel and its effect on the cracks formation 9—91782
Dobrowloski, T. *see* Fujisaki, M. 9—63521
Dobrowolny, M., Bavassano, B., Mariani, F., Ness, N. Magnetic dips in the solar wind 9—75072
Dobrowolny, M. *see* Bavassano-Cattaneo, M.B. 9—58211
Dobrowolska, M., Dobrowolski, W., Galazka, R.R., Kossut, J. Thermo-oscillations of magnetoresistance in $Hg_{1-x}Mn_xTe$ 9—56249
Dobrowolska, M. *see* Guldner, Y. 9—82960
Dobrowolski, J.A., Mandler, W. Color correcting coatings for photographic objectives 9—75631
Dobrowolski, T. *see* Cutts, D. 9—85346
Dobrowolski, T. *see* Fujisaki, M. 9—49542
Dobrowolski, W. *see* Dobrowolska, M. 9—56249
Dobrowolski, W. *see* Guldner, Y. 9—82960
Dobruskin, V.Kh. *see* Korableva, A.A. 9—66345
Dobry, R., Idriss, I.M., Ng, E. Duration characteristics of horizontal components of strong-motion earthquake records 9—66637
Dobrynin, Yu.L., Zaretskii, D.F., Lomonosov, V.V. γ decay and nuclear reactions in field of an intensive electromagnetic wave 9—59070
Dobryszycki, J. *see* Purol, H. 9—52920, 9—57420
Dobrzynski, L. *see* Agrawal, B.K. 9—69352
Dobson, A. *see* Drost, C.J. 9—83873
Dobson, C.A. *see* Byrne, P. 9—67118
Dobson, M.C. *see* Ulaby, F.T. 9—62534
Dobson, P.J., Hudson, M.C., Wilkenloh, F.N. The design and installation of fiberoptic cables 9—94362
Dobson, P.N. *see* Cence, R.J. *(editor)* 9—49485
Dobson, P.S. *see* Francis, R. 9—51309
Dobson, R.M. *see* McMahon, R.A. 9—79128
Dobson, V., Teller, D.Y. Visual acuity in human infants: a review and comparison of behavioral and electrophysiological studies 9—53112
Dobychin, S.L., Mikheev, L.D., Pavlov, A.B., Fokanov, V.P., Khodarkovskii, M.A. Quenching of excited iodine atoms $I(5^2P_{1/2})$ by molecules with C-I bonds 9—64076
Docherty, A.E., McMahon, J.W. A gravity corer for sampling the sediment-water interface in lakes 9—88512
Dochy, F. Theoretical calculation of the electron-phonon coupling parameters of the F-centre in alkali halides 9—77596
Dochy, F. Theoretical calculation of the absorption energy of the F-centre in alkali halides 9—78715
Dockalek, A. Temperature and time stability of a biological pressure meter 9—84059
Dockter, L., Harak, A.E. DOE-sponsored in situ shale oil recovery projects 9—87953
Dockum, B.W., Reiff, W.M. A high field Mossbauer study of a six coordinate iron II dithiocarbamate complex and comparison of the $Fe(II)S_6$, $Fe(III)S_6$ and $Fe(IV)S_6$ chromophores in tris (diethyldithiocarbamate) complexation 9—54873
Doctor, S.R. *see* Hjeresen, D.L. 9—100634
Dod', I.I., Dubolazov, I.A., Kovgan, V.G., Lapchuk, T.V. Instrument for preparing air and vapor mixtures 9—67275
Doda, D.D. *see* Garrison, L.M. 9—53401
Dodd, C.G., Ribbe, P.H. Soft X-ray spectroscopy of ferrous silicates 9—61468
Dodd, C.V. *see* Thoms, K.R. 9—54513
Dodd, F.J. *see* Flynn, C.R. 9—59224
Dodd, J. Colouring in the quark theory 9—67502
Dodd, J.G., Dodd, J.J. A simple interferometric attachment for the light microscope 9—85179
Dodd, J.J. *see* Dodd, J.G. 9—85179
Dodd, L.R. Simplified DWBA for heavy ion induced transfer at high energies 9—93643
Dodd, L.R., Sinha Roy, M.N. Off-shell contributions to the energy shift in the π-d atom 9—76537
Dodd, R.K. *see* Bullough, R.K. 9—75365
Dodd, R.T., Jarosewich, E. Incipient melting in and shock classification of L-group chondrites 9—88629
Dodder, D.C. *see* Hale, G.M. 9—85479
Doddrell, D.M., Pegg, D.T., Bendall, M.R., Thomas, D.M. Field-dependence of ^{13}C spin relaxation times. The concept of time-dependent correlation times 9—61247
Dodds, C.J. Environmental testing under random loading 9—87803
Dodero, M.A. *see* Antonucci, E. 9—75191
Dodge, M.C. *see* Whitten, G.Z. 9—52983
Dodina, L.F. *see* Vorob'eva, L.M. 9—88926
Dodiuk, H. *see* Huppert, D. 9—85998
Dodokin, A.P., Lyubutin, I.S. Magnetic structure of dilute ferrimagnetics 9—95578
Dodonov, V.V., Kurmyshev, E.V., Man'ko, V.I. Exact Green function of a damped oscillator 9—80467
Dodonov, V.V., Man'ko, V.I. Loss-energy states of nonstationary quantum systems 9—75399
Dodonov, V.V., Man'ko, V.I. Coherent states and the resonance of a quantum damped oscillator 9—97251
Dodonov, V.V., Man'ko, V.I., Skarzhinskii, V.D. Ambiguities in the quantization of specified classical equations of motion 9—85008
Dodonova, N.Ya. *see* Cherkasov, Yu.A. 9—99581
D'Odorico, S. The identification of supernova remnants in nearby galaxies 9—53884
Dodson, D. *see* Nakosteen, P.C. 9—88120
Dodson, J.G. *see* Sibbitt, W.L. 9—70790
Dodson, R.E. Counterclockwise precession of the geomagnetic field vector and westward drift of the non-dipole field 9—57853
Dodson, W.J., Hopper, J.E., McCormack, M.D. An incinerator for transuranic contaminated waste 9—49718
Dodziuk, H. The inapplicability of the MINDO/3 method to the conformational analysis of conjugated systems 9—94105
Doebner, H.D., Werth, J.-E. Global properties of systems quantized via bundles 9—75385
Doecke, C.W. *see* Anderson, J.E. 9—54846
Doering, D.L., Oda, T., Dickinson, J.T., Braunlich, P. Characterization of anodic oxide coatings on aluminum by tribostimulated exoemission 9—91829
Doering, J.P. Electron impact study of the energy levels of trans-1,3-butadiene 9—68323

Doering, J.P. Electron impact study of the 50000 cm^{-1} band of benzene 9—86075
Doering, J.P. *see* Dagdigian, P.J. 9—76507
Doering, R.R. *see* Schweizer, T.C. 9—54426
Doern, S.D. *see* Chapman, J.D. 9—79609
Doerner, R.C., Meek, C.C., Hurt, R.F. Statistical model to identify boiling inception in TREAT tests 9—93779
Doerner, R.C. *see* Meek, C.C. 9—54527
Doerre, G., Joannopoulos, J.D. Electronic states of Te above the high-pressure phase transition 9—99476
Doerries, E.M. *see* Dudderar, T.D. 9—91873
Doesburg, H.M. *see* Beurskens, P.T. 9—99028
Doesburg, W.van *see* van Doesburg, W.
Doesburg, W.Van *see* Van Doesburg, W.
Doezema, R.E., Datars, W.R., Schaber, H., Van Schyndel, A. Far-infrared magnetospectroscopy of the Landau-level structure in graphite 9—73906
Doezema, R.E. *see* Schaber, H. 9—82979
Doggett, G. Molecular electronic momentum density distribution functions and correlation holes in P-space 9—97978
Doggett, J.N. *see* Moir, R.W. 9—71972
Dogguy, M., Rivet, J., Flahaut, J. Description of the ternary system Cu-Si-Te 9—52182
Dogguy-Smiri, L., Pardo, M.-P., Dung, N.-H. Crystallographic study of the FeS-Ga_2S_3 system 9—51061
Dogil, B., Froissart, F., Horodecki, A.J. The influence of free-electron density on the cohesive energy in chemically prepared SnO_2 films 9—60655
Dogotar, G.E., Eramzhyan, R.A., Truhlik, E. Meson exchange currents and the extraction of a_{nn} and g_p from the reaction $\mu^-d \rightarrow nn\nu_\mu$ 9—85256
Dogotar, G.E., Eramzhyan, R.A., Truklik, E. Exchange currents and extraction of a_{nn} and g_p from negative muon capture in deuterium 9—97658
Dogru, A.H. *see* Koda, M. 9—49178
Dohan, D.A. *see* Adam, S. 9—54701
Doherty, E.T. *see* Shipp, T. 9—94413
Doherty, P. *see* McKinley, J.M. 9—62955
Doherty, P.W. *see* Buda, A.J. 9—62356
Doherty, R.D. Comment on 'A study of the homogenization process of aluminium-zinc alloys' 9—100180
Doherty, R.D. *see* Faivre, P. 9—52236
Doherty, R.D. *see* Ferrante, M. 9—91651
Dohler, G.H. Conductivity, thermopower, and statistical shift in amorphous semiconductors 9—69537
Dohler, G.H. On the conductivity, thermopower and statistical shift in amorphous semiconductors 9—95434
Dohler, G.H. Doping superlattices 9—95480
Dohler, G.H., Ploog, K. Periodic doping structure in GaAs 9—95484
Dohm, V. Density correlation function and dynamic transient exponents for liquid helium at and above T_λ 9—51325
Dohmann, H.D., Mann, R. Measurement of the lifetime of the $^3P_2$ and $^4P_{5/2}$ states in Ar^{16+} and Ar^{15+} 9—63966
Dohnalik, A., Dohnalik, T., Szynarowska, M. Measurement of the absolute oscillator strengths of the spectral lines of erbium 9—85928
Dohnalik, T. *see* Dohnalik, A. 9—85928
Dohnt, G., Hese, A., Renn, A., Schweda, H.S. Molecular electric field level crossing spectroscopy: the dipole moment in the $A\ ^1\Sigma^+$ state of BaO 9—94040
Dohra, K. *see* Iida, A. 9—50948
Doi, A. Alkali motion in alkali silicate glass 9—77806
Doi, A. Gamma-ray induced oxygen diffusion in germanium dioxide 9—99358
Doi, A., Chinone, N., Aiki, K., Ito, R. $Ga_xIn_{1-x}As_yP_{1-y}$/InP rib-waveguide injection lasers made by one-step LPE 9—59710
Doi, H. Hg_3AsF_6 9—73499
Doi, H. *see* Mohri, M. 9—74039
Doi, K. Short-term variability of Cyg X-1 in the hard X-ray region 9—80369
Doi, K. *see* Aoyama, T. 9—64329
Doi, K. *see* Fujii, M. 9—80219
Doi, K. *see* Fujii, Y. 9—76823
Doi, K. *see* Fujino, Y. 9—60416
Doi, K. *see* Umeno, M. 9—60376
Doi, K. *see* Vyborny, C.J. 9—74753
Doi, K. *see* Yamaguchi, S. 9—65131
Doi, M., Edwards, S.F. Dynamics of concentrated polymer systems. IV. Rheological properties 9—90292
Doi, M., Imamura, T. An exact Gaussian solution for two-dimensional incompressible inviscid turbulent flow 9—55360
Doi, T. *see* Ishida, F. 9—61747, 9—61748
Doi, T. *see* Kato, K. 9—76079
Doi, Y., Kuwata, K. Electron-electron double resonance study of nuclear-spin exchange in quinone anions due to cation migration 9—68244
Doi, Y. *see* Ishihara, N. 9—85860
Doi, Y. *see* Nakanishi, T. 9—88167
Doicho, I.K. *see* Bashenov, V.K. 9—56164, 9—82514
Doicho, I.K. *see* Petukhov, A.G. 9—90939
Doig, P., Flewitt, P.E.J. An analysis of galvanic corrosion: coplanar electrodes with radial symmetry 9—52416
Doig, P., Flewitt, P.E.J. The contribution of machine-induced residual stress to the pitting susceptibility of an iron-1 wt pct nickel binary alloy 9—61784
Doig, P., Jones, G.T. The critical stress criterion for gaseous hydrogen embrittlement 9—65140
Doige, A.G. *see* To, C.W.S. 9—68527, 9—68528
Doiron, C.E., McMahon, T.B. Triplet states of fluorocarbonyl compounds determined by trapped electron spectroscopy 9—59373
Dojcilovic, J. *see* Napijalo, M.Lj. 9—55682, 9—56495, 9—56809
Dojnikov, N.I. *see* Bondarchuk, Eh.N. 9—76125
Dokashenko, V.P., Matyushkin, E.V. Feasibility of widening the tuning range of Q-switched neodymium lasers 9—59724
Doke, T. *see* Kase, M. 9—76284
Dokras, V.M. *see* Dixit, D.K. 9—62076
Dokshitzer, Yu.L., Dyakonov, D.I. Angular distribution of energy in jets 9—71726
Dokter, H.D. *see* Barberis, G.E. 9—87315
Doktorov, A.B., Kipriyanov, A.A., Burshtein, A.I. Quenching of excitation in electrolyte solutions. I. Coulomb repulsive potential 9—63927
Doktorov, A.B., Kipriyanov, A.A., Burshtein, A.I. Quenching of excitation in electrolyte solutions. II. Coulomb attraction potential 9—72351
Doktorov, A.B. *see* Anisimov, O.A. 9—68167
Doktorov, A.B. *see* Bol'shakov, B.V. 9—74352
Doktorov, E.V., Malkin, I.A., Man'ko, V.I. The Franck-Condon principle for nuclear γ-transitions in polyatomic molecules 9—59522
Doktorov, E.V., Malkin, I.A., Man'ko, V.I. The Dushinsky effect and sum rules for vibronic transitions in polyatomic molecules 9—93983
Dokuchaev, N.I. *see* Ostretsov, B.V. 9—72205
Dokuchaev, V.P. *see* Grigor'ev, G.I. 9—66776
Dokukin, E.B. *see* Blagoveshchenskii, N.M. 9—86951
Dolan, G.J., Phillips, T.G., Woody, D.P. Low-noise 115-GHz mixing in superconducting oxide-barrier tunnel junctions 9—51722
Dolan, J.F., Caraveo, P., Coe, M.J., Crannell, C.J., Dennis, B.R., Frost, K.J., Orwig, L.E. The 78.4-day period of Cygnus XR-1 9—75297
Dolan, J.F., Crannell, C.J., Dennis, B.R., Frost, K.J., Orwig, L.E. High-energy X-ray spectra of Cygnus XR-1 observed from OSO 8 9—71151
Dolan, J.F. *see* Coe, M.J. 9—71075
Dolan, J.F. *see* Maurer, G.S. 9—92888
Dolan, L., Kiskis, J. Semiclassical methods at finite temperature 9—97256
Dolan, R., Howard, A., Trimble, D. Structural control of the rapids and pools of the Colorado River in the Grand Canyon 9—62537
Doland, C. *see* O'Neil, P. 9—83630
Dolbilkina, N.A., Myachkin, V.I., Palyonov, A.M., Preobrazensky, V.B. The study of time variations of elastic-wave parameters: results and problems 9—57870
Dolbinov, Yu.D. *see* Kleshchev, A.S. 9—96090
Dolcino, L. Designing ion pumps to accelerator specifications 9—63256
Dolder, K. *see* Peart, B. 9—89787
Doldissen, W., Bakale, G., Schmidt, W.F. Excess electron mobility in liquid ethane as a function of temperature between −50°C and +26°C 9—91115
Dolejs, I. *see* Weniger, P. 9—100577
Dolgachev, V.P., Domozhilova, L.M., Rybakov, A.I. A numerical-study of the motion of the major planets 9—92657
Dolgaleva, G.V. *see* Bessarab, A.V. 9—98941
Dolganev, Yu.G., Kulagin, V.N., Medvedev, N.N., Plonskaya, T.V. Digital instrument for the measurement of linear dimensions 9—93097
Dolgikh, B.A., Plotnikov, V.G. Molecular optical parameters and the relative disposition of $\pi\pi^*$ and $n\pi^*$ transitions: low-temperature singlet-triplet conversion probability 9—54898
Dolgikh, V.A., Popovkin, B.A. Estimate of the acoustico-optical criterion for certain tellurites 9—82945
Dolginov, A.Z., Fedorenko, V.M. Photospheric circulation in a binary component whose surface is heated nonuniformly 9—96993
Dolginov, A.Z., Urpin, V.A. Particle acceleration in binary systems 9—58382
Dolginov, A.Z., Urpin, V.A. Flows and magnetic fields in the surface layers of Ap stars 9—62854
Dolginov, L.M., Drakin, A.E., Eliseev, P.G., Berdnikova, T.V., Mil'vidskii, M.G., Orlov, V.P., Panteleev, Yu.K., Sverdlov, B.N., Shevchenko, E.G. High-efficiency GaInPAs/InP light-emitting diodes 9—65545
Dolginov, L.M. *see* Bogatov, A.P. 9—76713
Dolginov, Sh.Sh. The magnetic field of Mars 9—80261
Dolgoplosk, S.B. *see* Rogovina, L.Z. 9—65010
Dolgopolov, S.G., Klement'yev, V.M., Kovalevskiy, V.I., Matyugin, Yu.A., Timchenko, B.A. Optimizing the operation of a silicon point diode as a detector and mixer in the submillimeter band 9—89006
Dolgopolov, V.T., Dorozhkin, S.I. The layer structure arising at the surface of aluminium after the magnetic field H>Hc is switched off 9—61000
Dolgopolov, V.T., Murzin, S.S. Experimental study of the superconducting layer at the surface of indium or tin in a high-amplitude, low-frequency electromagnetic field 9—78261
Dolgopolov, V.T. *see* Dorozhkin, S.I. 9—60998
Dolgopolov, V.V., Maiorskii, B.Sh., Shilov, S.E. Determining the resistance to failure of pipes and axial surface cracks in plastic deformation 9—100235
Dolgopolov, V.V. *see* Amein, W.H. 9—50866
Dolgopolov, Yu.V., Komarevskii, V.A., Kormer, S.B., Kochemasov, G.G., Kulikov, S.M., Murugov, V.M., Nikolaev, V.D., Sukharev, S.A. Experimental investigation of the feasibility of applying the wave front reversal phenomenon on induced Mandelstam-Brillouin scattering 9—59769
Dolgoshein, B.A. *see* Askariyan, G.A. 9—85862
Dolgov, A.D., Popov, V.S. The anharmonic oscillator and its dependence on space dimensions 9—92983
Dolgov, E.N. *see* Gorkov, L.P. 9—95395
Dolgov, O.V., Mazin, I.I. Electron-phonon coupling constant of monovalent metals 9—99286
Dolidze, N.D. *see* Gerasimov, A.B. 9—51155
Dolino, G., Pique, J.P., Vallade, M. Second harmonic measurement of the order parameter variation near the multicritical point of NH_4Cl 9—81484
Dolinskii, A.A., Ivanitskii, G.K., Maletskaya, K.D., Nuzhnyi, V.M., Ryazanov, V.V., Shimanskii, Yu.I. An analytic study of the process of drying of a drop of a solution, limited by a thin skin of the dissolved substance 9—68561
Dolinskii, E.F. *see* Gorbatsevich, S.V. 9—97338
Dolivo, G., Kevan, L. Optical absorption spectra of localized electrons generated at 1.6K in polar matrices: evidence for presolvated electrons 9—65903
Dolivo, G., Kevan, L. Apparent faster electron solvation by laser flash photoionization than by pulse radiolysis in methanol-methyltetrahydrofuran glasses 9—74405
Dolivo, G., Kevan, L. Effect of irradiation temperature from 77 to 1.6K on the optical absorption and scavenging efficiency of localized electrons in aqueous 10 M lithium chloride glasses 9—83476
Doll, P., Mairle, G., Breuer, H., Knopfle, K.T., Tohei, T., Wagner, G.J. On positive-parity states of ^{45}Sc, ^{47}Sc and ^{49}Sc 9—97656
Doll, P. *see* Fuchs, H. 9—59076
Doll, W., Schinker, M.G., Koenczoel, L. A time independent fracture criterion for PMMA? 9—83298
Dollard, J.D., Friedman, C.N. A new proof of the invariance principle in scattering theory 9—75378
Dollard, J.D., Friedman, C.N. Scattering of a beam of particles by a potential 9—97234
Dollberg, D.D. *see* Abell, M.T. 9—50947
Dolle, H., Hauk, V., Kockelmann, H. Effect of texture upon the determination of stresses by X-rays 9—91701
Dollfus, A. Photometric determination of the Saturn rings' thickness 9—66959
Dolling, G., Powell, B.M., Sears, V.F. Neutron diffraction study of the plastic phases of polycrystalline SF_6 and CBr_4 9—77533
Dolling, G. *see* Powell, B.M. 9—73115
Dollinger, R.E., Kristiansen, M., Hagler, M.O. Fast-wave resonances near the ion cyclotron frequency 9—50854
Dollins, C.C. In-pile temperature dependence of the yield strength and growth of zircaloy 9—73219
Dollins, C.C. In-pile densification of intergranular porosity in oxide fuels 9—73345
Dolma, V.A. *see* Bodiul, P.P. 9—82615
Dolma, V.A. *see* Gitsu, D.V. 9—87113
Dolmatov, V.K. *see* Amus'ya, M.Ya. 9—89649
Dolphin, L.T., Beatty, W.B., Tanzi, J.D. Radar probing of Victorio Peak, New Mexico 9—84094
Dols, C.G. *see* Green, M.I. 9—67354
Doltsinis, J.St. *see* St. Doltsinis, J.
Dolya, N.N. *see* Agafonov, E.A. 9—100866
Dolya, S.N. *see* Bonch-Osmolovskii, A.G. 9—97913
Dolzhanskiy, F.V. *see* Obukhov, A.M. 9—98706
Dolzhikov, V.S. *see* Bagratashvili, V.N. 9—72370
Doma, S.B. Orbital fractional parentage coefficients for nuclei with A=3 9—63604
Doma, S.B., Youssef, M.K. Unitary scheme model study of ^3H with Gogny, Pires and de Tourreil interaction 9—59016
Doman', A.A. *see* Aleshin, I.V. 9—69776
Doman, B.G.S. Localisation of electrons in a magnetic field 9—60752

Doman, B.G.S. An improved molecular field approach to the triangular Ising antiferromagnet 9—73745
Doman, N.G. *see* Samsonidze, T.G. 9—70515
Domanin, M.G., Loshkarev, A.I. Sheath structure at an emitting electrode 9—55606
Domanski, A. Diffraction ellipsometry at mirowave wavelengths 9—55034
Domanskii, A.I. *see* Smolin, Yu.I. 9—94978
Domanskii, D.E. *see* Arakelov, A.G. 9—82256
Domanus, H.M., Schmitt, R.C., Sha, W.T. Three-dimensional numerical simulation of a 19-pin LMFBR fuel assembly in a hexagonal duct 9—59143
Domany, E., Riedel, E.K. Study of cubic anisotropy in three dimensions by the scaling-field method 9—73731
Domany, E., Riedel, E.K. Two-dimensional anisotropic N-vector models 9—85095
Domany, E., Schick, M., Walker, J.S. Proposed structure of hydrogen of Ni(111) 9—60628
Domany, E. *see* Gubernatis, J.E. 9—55343
Domard, A. *see* Rochas, C. 9—66351
Domasevich, L.T., Kolotun, V.F., Kosolapova, T.Ya., Nemchenko, V.F. Magnetic susceptibility of manganese carbides 9—51754
Domashevskaya, E.P., Mittova, I.Ya., Yurakov, Yu.A., Terekhov, V.A., Anokhin, V.Z., Boiko, V.I. Use of X-ray spectral analysis to investigate the formation mechanism of doped oxide films on silicon 9—87008
Domashevskaya, E.P., Terekhov, V.A., Gukov, O.Ya., Ugai, Ya.A., Nefedov, V.I., Firsov, M.I., Sergushin, N.P. Valence electron energy spectrum in transition-metal phosphides deduced from X-ray spectroscopic and X-ray photoelectron data 9—99984
Domashevskaya, E.P., Terekhov, V.A., Marshakova, L.N. Role of metal d states in forming the valence band in cadmium phosphides 9—65380
Domashevskaya, E.P., Terekhov, V.A., Ugai, Ya.A., Nefedov, V.I., Sergushin, N.P., Firsov, M.N. Valence-level structure of phosphides of 3d-metals on the basis of XRS and ESCA data 9—64044
Domashevskaya, E.P. *see* Farberovich, O.V. 9—90942
Domb, C. *see* Barrett, A.J. 9—72450
Domb, C. *see* Stoli, E. 9—93054
Domb, C. *see* Stoli, E. 9—58509
Domb, E.R., MacDonald, C.A., Johnson, W.L. Magnetic impurities in amorphous superconductors: $T_{Kondo} > T_c$ 9—73646
Domb, E.R. *see* Hillenius, S.J. 9—82756
Dombeck, T. *see* Barish, S.J. 9—71742
Dombeck, T.W. *see* Bechis, D.J. 9—63401
Dombre, M., Silva Campos, O., Valignat, N., Allibert, C., Bernard, C., Driole, J. Solid state phase equilibrium in the ternary Fe-Co-Cr system: experimental determination of isothermal sections in the temperature range 800-1300°C 9—91623
Dombrovskii, S.A. *see* Dombrovskii, V.A. 9—76638
Dombrovskii, V.A., Dombrovskii, S.A., Pen, E.F. Effect of a Gaussian reference beam on the distortion of images reconstructed from holograms 9—76638
Dombrovskii, Yu.M. *see* Pustovoit, V.N. 9—87630
Domchenkov, O.A. *see* Alkhazov, G.D. 9—75883, 9—80938
Domcke, W., Cederbaum, L.S., Kaspar, F. Threshold phenomena in electron-molecule scattering: a non-adiabatic theory 9—72431
Domcke, W., Cederbaum, L.S., Schirmer, J., von Niessen, W. Negative shake-up energy in core ionization 9—56913
Domcke, W., Cederbaum, L.S., Schirmer, J., von Niessen, W. Negative shake-up energy in core ionization 9—64041
Domcke, W., Cederbaum, L.S., Schirmer, J., Von Niessen, W., Brion, C.E., Tan, K.H. Experimental and theoretical investigation of the complete valence shell ionization spectra of CO_2 and N_2O 9—76522
Dome, G. *see* Boussard, D. 9—72063
Domenicano, A., Schultz, G., Kolonits, M., Hargittai, I. Molecular structure and ring distortions of p-xylene as determined by electron diffraction 9—59573
Domenico, W.F., Stanley, C.J., Mehner, A.S. Fuel rod failure during film boiling (PCM-1 test in the PBF) 9—89445
Domesle, R., Hoppe, R. About the system BaF_2/GaF_3: The information on $BaGaF_5$ 9—69094
Domilovskii, E.R., Lushnikov, A.A., Piskunov, V.N. A Monte-Carlo simulation of coagulation processes 9—84377
Domin, V.A. *see* Andreev, A.K. 9—91262
Domingo, J. New facilities at SIN 9—85836
Domingo, V. *see* Formisano, V. 9—101029
Domingos, J.M. *see* Caldeira, M.H. 9—85388
Domingue, J.A. *see* Kanda, F.A. 9—65233
Domingues, P.H., Danon, J. Mossbauer studies of the alkaline-earth ferricyanide hydrates 9—99805
Dominguez, C.A. Determination of quark mass ratios from K_{l3} decay 9—93409
Dominguez, C.A. Induced second-class currents from isospin and chiral-symmetry breaking 9—97538
Dominguez E., J.M. *see* Yacaman, M.J. 9—99465
Dominici, D. A composite system of three relativistic particles with half-integer total angular momentum 9—49032
Dominicis, C.De *see* De Dominicis, C.
Dominik, J. *see* Muller, G. 9—79889
Dominy, J.F. *see* Smith, M.A. 9—96997
Domis, M.A., Butterfield, M.H. The transmission of sound waves through water in a PFR subassembly wrapper 9—81608
Domis, M.Antonopoulos *see* Antonopoulos Domis, M.
Domkowski, A.J., Burroughs, J.J., Nicholson, J.E. Device for helical marking of cylindrical specimens 9—58679
Domkundwar, V.M., Sriramulu, V., Gupta, M.C. Analysis of swirling recirculating reacting turbulent jets passing through diffusers 9—50764
Dommanget, J. Observations of occultations with the aid of a television camera 9—58263
Dommaschk, W., Hofmann, I. Numerical study of nonlinear effects in the electron-ion instability in a particle ring 9—54622
Dommaschk, W. *see* Andelfinger, C. 9—76162
Domnicheva, N.A. *see* Budtov, V.P. 9—94745
Domokos, G., Kovesi-Domokos, S. Towards an algebraic quantum chromodynamics 9—71714
Domon, M., Billard, J. Non-ideal behaviour of binary smectic solutions 9—95141
Domozhilova, L.M. *see* Dolgachev, V.P. 9—92657
Domozhirov, L.I. Effect of loading frequency upon fatigue crack development 9—87727
Domrachev, A.I., Samokhvalov, G.S., Yagovkin, V.M. Influence of electrocontact surface facing on the wear resistance of high-strength iron 9—52385
Doms, P.E. *see* Farmer, C.B. 9—84714
Domsa, F. *see* Georgescu, S. 9—54199
Domurado, D. *see* Guidoin, R. 9—53278
Don Kvon Ze *see* Kvon Ze Don
Donachy, J. *see* Phillips, W.M. 9—84016
Donahue, J. *see* Cain, B. 9—70743
Donahue, J.B. *see* Clark, D.A. 9—71995
Donahue, K. *see* Torr, D.G. 9—58141
Donahue, T.J. *see* Rice, R.W. 9—87674
Donahue, T.M. *see* Atreya, S.K. 9—96953
Donahue, T.M. *see* Dickinson, R.E. 9—80019
Donahue, T.M. *see* Kasting, J.F. 9—84486
Donahue, T.M. *see* Wasser, B. 9—70903
Donald, A.M., Craven, A.J. A study of grain boundary segregation in Cu-Bi alloys using STEM 9—61596
Donald, A.M. *see* Carter, C.B. 9—82241
Donald, E.P. Bleeding structures—The detection of fatigue in engineering elements 9—66226
Donald, J.K. *see* Clarke, G.A. 9—52542
Donald, J.K. *see* Hertzberg, R.W. 9—70160
Donald, M.H. *see* Chao, A.W. 9—72208
Donald, M.H.R., Paterson, J.M. An investigation of the 'flip-flop' beam-beam effect in SPEAR 9—72101
Donald, R.A. *see* Armstrong, T.A. 9—85344
Donald, R.A. *see* Evangelista, C. 9—75788, 9—80843
Donaldson, A.R. Current to frequency converter for digitization of millisecond beam signals 9—72160
Donaldson, C.H. *see* Hamilton, D.L. 9—57928
Donaldson, G. *see* Abshire, G. 9—81124
Donaldson, J.A. *see* Crosier, W.G. 9—79673
Donaldson, J.D. *see* Parry, D.E. 9—78837
Donaldson, N.deN. Morphognostic coils: a technique for transmitting several nearfield radio signals through the same space 9—84014
Donaldson, S.S., Chassagne, D., Sancho-Garnier, H., Beyer, H.P. Hemangiomas of infancy: results of ^{90}Y interstitial therapy: a retrospective study 9—88156
Donaldson, T.L., Palmer, H.J. Dynamic response of the carbon dioxide electrode 9—92025
Donaldson, T.P., Ladrach, P. Child's law for fast ion emission from a laser-generated plasma 9—60163
Donaldson, W. *see* Cassidy, C. 9—59759
Donangelo, R., Canto, L.F., Hussein, M.S. Semiclassical derivation of a local optical potential for heavy-ion elastic scattering 9—59083
Donangelo, R., Canto, L.F., Hussein, M.S. Contribution to the heavy-ion optical potential from coupling to vibrational states 9—67726
Donangelo, R. *see* Neese, R.E. 9—85362
Donat, H., Friedrich, K., Plontke, B. Dynamic acquisition and automatic reduction of data using the new DKM 1-300 DP three-coordinate measuring machine made be VEB Carl Zeiss JENA 9—75507
Donatelli, D.E. *see* Burke, W.J. 9—62671
Donath, F.A., Stehli, F.G., Wetherill, G.W. *(editor)* Annual review of Earth and planetary sciences, vol.7 9—84070
Donath, P. *see* Durr, K. 9—81015
Donati, D., Fiorenza, M., Guarini, G.G.T., Sarti-Fantoni, P. The effect of long irradiation on the fluorescence emission of anthracene crystals at room temperature 9—83019
Donati, J.R., de Keroulas, F., Masse, J. Metallurgical exploration of two sodium mixers in austenitic stainless steel, which cracked in service due to thermal fatigue 9—91789
Donato, A. On a magneto-elastic system with discontinuous coefficients and the propagation of a weak discontinuity 9—51835
Donato, A. Technical evaluation of urea-formaldehyde resins incorporating spent ion exchangers from nuclear power plants 9—67875
Donato, A. *see* Jeffrey, A. 9—50746
Donato, N.A., Fusco, D. Propagation of weak discontinuities compatible with a completely nonlinear magneto elastic model 9—65703
Donau, F., Frauendorf, S. Core-particle coupling and back-bending phenomenon 9—97645
Donckt, E.V. *see* Audenaert, M. 9—73606
Dondi, P.H., Jarvis, P.D. A supersymmetric Weinberg-Salam model 9—67490
Dondur, V., Vucelic, V., Vucelic, D. The kinetics of complex reactions in boundary phases 9—57203
Done, W.J., Rushforth, C.K. Estimating the parameters of a noisy all-pole process using pole-zero modeling 9—64419
Donets, A.M. *see* Postnikov, V.S. 9—69694
Donets, Yu.T. Calibration method for the X-ray spectral analysis of enrichment products 9—87904
Donev, D.I., Astarzhiyan, G.B., Georgiev, G.V. Precise cardiointervallographic device 9—96536
Dong, R.Y., Lewis, J., Bock, E., Tomchuk, E. Molecular order and director fluctuation in MBBA as determined by deuterium magnetic resonance 9—90529
Dong, S.B., Liu, C.Y. A finite-element analysis of sound propagation in a nonuniform moving medium 9—94379
Dong, S.B. *see* Yeh, C. 9—76804
Dong Bi-Zhen *see* Chen Yan-Song 9—50247
Dong Chuang Jou *see* Yu Mung Shih 9—61139
Dong Fang-Xiao, Zhou Xian-Jian, Huang Tao, Xue Pei-You Some conjectures on leptonic and stratonic spectra 9—49481
Dong Gui-zhen *see* Zhao Jin Zhao 9—81459
Dong Gung-fu *see* Yeh Da-nian 9—84264
Dong Ho Suck *see* Youn Kyu Koh 9—50869
Dong Hoon Kim *see* Soo Hyun Shu 9—54468
Dong Khong Trung *see* Trung Dong Khong
Dong Nyung Lee, Sang Ho Ahn Nickel activated model sintering of tungsten 9—91606
Dong Nyung Lee *see* Heung Sik Kim 9—70091
Dong Xianquan, Yu Zhongmin, Li Wenlong J_0 ratio method for measuring small vibration amplitudes 9—81827
Dong Yu-ju *see* Zhao Jing-lun 9—59308
Dong Yu-lain *see* Chen Chang 9—90708
Dong-liang Lin *see* Lin Dong-liang
Dong-Yan Zheng *see* Zheng Dong-Yan
Dongen, J.C.M.van *see* van Dongen, J.C.M.
Dongen, M.E.H.Van *see* Van Dongen, M.E.H.
Donguy, J.R., Henin, C. Surface salinity fluctuations between 1956 and 1973 in the western South Pacific Ocean 9—79863
Donguy, R. *see* Graftieaux, J. 9—97855
Donguy, R. *see* Le Meur, R. 9—97857
Doni, E., Girlanda, R., Grasso, V., Balzarotti, A., Piacentini, M. Electronic properties of the III-VI layer compounds GaS, GaSe and InSe. I. Band structure 9—65376
Doni, E. *see* Antonangeli, F. 9—65976
Doniach, S. A thermodynamic model for the monoclinic (ripple) phase of hydrated phospholipid bilayers 9—70532
Doniach, S., Huberman, B.A. Topological excitations in two-dimensional superconductors 9—56458
Donigian, A.S., Jr. *see* Litwin, Y.J. 9—52967
Donin, V.I., Shipilov, A.F., Grigor'ev, V.A. High-power CW ion lasers with an improved service life 9—89937
Donkersloot, H. *see* Van Den Broek, J.J. 9—96022
Donmoyer, J.E. *see* Stretton, A.O.W. 9—92208
Donn, B. *see* Day, K.L. 9—60497
Donn, B. *see* Krishna Swamy, K.S. 9—62792
Donn, W.L. Exploring the atmosphere with sonic booms 9—66742
Donnadieu, G. Measurement of the terminal velocity of raindrops at the ground with the aid of the VIDIAZ disdrometer 9—88448
Donnay, G., Donnay, J.D.H. How much crystallography should we teach geologists? 9—58459
Donnay, J.D.H. *see* Donnay, G. 9—58459
Donne, M.D. *see* Baxi, C.B. 9—93706
Donnelly, J.P., Armiento, C.A., Diadiuk, V., Groves, S.H. Planar guarded avalanche diodes in InP fabricated by ion implantation 9—95473
Donnelly, J.P. *see* Fan, J.C.C. 9—79390
Donnelly, K.E. *see* Kernahan, J.A. 9—49986
Donnelly, K.E. *see* O'Neill, J.A. 9—86059
Donnelly, K.E. *see* Pinnington, E.H. 9—93964
Donnelly, R.J. *see* Ostermeier, R.M. 9—55963
Donnelly, R.J. *see* Roberts, P.H. 9—60567
Donnelly, T.A. *see* Miller, C.E. 9—66481
Donnelly, T.W. Photo- and electro-production of charged pions from nuclei at threshold 9—85452
Donnelly, T.W. *see* Schwartz, D.P. 9—79804

Donnelly, V.M., Kaufman, F. Laser excited NO_2 fluorescence lifetime studies in the 600 nm region 9—50076
Donnelly, V.M., Keil, D.G., Kaufman, F. Fluorescence lifetime studies of NO_2. III. Mechanism of fluorescence quenching 9—89701
Donnelly, V.M., Pasternack, L. Reactions of $C_2(a^3\Pi_u)$ with CH_4, C_2H_2, C_2H_4, C_2H_6, and O_2 using multiphoton UV excimer laser photolysis 9—74355
Donner, K.O., Hemila, S., Reuter, T. Bleaching and background adaptation in frog rods 9—79532
Donnet, J.-B. *see* Ehrburger, F. 9—78611
Donnet, J.-B. *see* Kappler, P. 9—52781
Donnettie, M. *see* Sanna, G. 9—67367
Donnison, J.R., Williams, I.P. Orbital stability of massive protoplanets in the terrestrial planet region of the solar system 9—66931
Donoghue, E., Gibbs, G.H. Mean molecular size distributions and the sol-gel transition in finite, polycondensing systems 9—57303
Donoghue, E., Gibbs, J.H. Mean chain length distributions in finite polycondensing systems 9—70324
Donoghue, J.F. Comment on polarized fragmentation functions 9—71658
Donoghue, J.F. Finite renormalization, flavor mixing, and weak decays 9—71713
Donoghue, T.R., Detomo, R., Jr., Dries, L.J., Clark, H.W. Analyzing power measurements for the 4-nucleon system below 6 MeV 9—71837
Donohue, J.F. *see* Tasi, M.J. 9—57803
Donohue, J.T., Leroyer, Y. Polarization measurements and a narrow $\epsilon(750)$ 9—63514
Donohue, J.T. *see* Berger, E.L. 9—71733
Donohue, T. Laser purification of the rare earths 9—61883
Donohue, T. *see* Eden, G. 9—59705
Donoso, J.P. *see* Barberis, G.E. 9—78514, 9—87315
Donovan, J.A. *see* Ondrejcin, R.S. 9—70226
Donovan, L.S. *see* Weinberger, P. 9—79597
Donovan, P.E. An investigation of the ferroelectric properties of Rochelle salt 9—97162
Donovan, R.J., Gillespie, H.M., Wolfrum, J., Kaufmann, K. Stratospheric reactions of chlorofluoromethanes 9—53499
Donovan, R.J. *see* Addison, M.C. 9—79274
Donovan, R.J. *see* Breckenridge, W.H. 9—49979
Donovan, R.L., Broadbent, S. Photovoltaic concentrating array 9—52937
Donovan-Vojtovic, B.F., Chaikin, P.M. Tunneling characteristics of trilayer tunnel junctions 9—87208
Donovan-Vojtovic, B.F., Schuller, I., Chaikin, P.M. Phonon structure and proximity-effect tunnelling in strongly gapless superconductors 9—82721
Donsbach, D.L. *see* Moyer, M.W. 9—91874
Donskaya, I.S. Nonresonant paramagnetic absorption in disordered solids 9—69712
Donskaya, T.D. *see* Abdrashitova, E.I. 9—99752
Donskoi, E.N. *see* Zavada, N.I. 9—99245
Donskov, S.V. *see* Apel', V.D. 9—67609, 9—89194
Donskov, S.V. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Donskova, E.N., Prokopenko, A.I., Skorokhod, V.V., Stasovskaya, V.V. Effect of orientation of nonequiaxed powder particles on the pulse amplitude in pulse conductometric particle-size analysis 9—100070
Donth, E. Fluctuation theory and the thermodynamics of the transition to the glassy phase in polymers. II. The freezing process and the glassy phase. The connection between thermal and dynamic change to the glassy phase 9—51242
Dontsova, L.I. *see* Tikhomirova, N.A. 9—94899
Dontsova, V.V., Koronkevich, V.P., Lenkova, G.A., Mikhal'tsova, I.A. Kinoform lenses. II. Production of lenses and testing of their optical characteristics 9—98310
Dontsova, Ye.G. *see* Sapezhinskii, I.I. 9—79470
Donzelli, G.P., Guarini, G., Svelto, V. Fast characterization of thin semiconductor layers on high-resistivity substrates 9—87170
Dool, H.M.van den *see* van den Dool, H.M.
Doolan, B.L., E-An Zen, Bence, A.E. Highly aluminous hornblendes: compositions and occurrences from southwestern Massachusetts 9—66679
Dooley, D., Balooch, M., Olander, D.R. Chemical reduction of refractory oxides by atomic hydrogen 9—93830
Dooley, D.M., Scott, R.A., Gray, H.B., Ellinghaus, J., Solomon, E.I. Magnetic susceptibility studies of laccase and oxyhemocyanin 9—92125
Dooley, D.M., Sharkey, J., Keller, W., Kasprak, M. Treatment of demyelinating and degenerative diseases by electro stimulation of the spinal cord 9—79621
Dooley, J.F. A simplified general method of analysis of the elastic torsion of non-circular solid sections 9—90133
Dooling, R.J. Temporal summation of pure tones in birds 9—70558
Dooren, R.Van *see* Van Dooren, R.
Dooren, W.Van *see* Van Dooren, W.
Doorn, A.J.van *see* van Doorn, A.J.
Doorn, C.Z.van *see* van Doorn, C.Z.
Doorn, C.Z.Van *see* Van Doorn, C.Z.
Doornbos, D.J., Mondt, J.C. Attenuation of P and S waves diffracted around the core 9—53312
Doornbos, D.J., Mondt, J.C. P and S waves diffracted around the core and the velocity structure at the base of the mantle 9—53313
Dop, H.van *see* van Dop, H.
Dopazo, C., Pope, S.B. Comments on 'The probability approach to the modelling of turbulent reacting flows' [and reply] 9—72959
Dopita, M.A. Optical observations of SNRs in the Magellanic Clouds 9—75259
Dopita, M.A. A peculiar nova in M31 9—80316
Dopita, M.A. Optical emission from shocks. V. The Magellanic Cloud supernova remnants 9—92831
Dopita, M.A., Mathewson, D.S. High-resolution mapping of Magellanic Cloud supernova remnants in coronal [Fe XIV] 9—97051
Doppke, K.P. *see* Biggs, P.J. 9—100747
Dor-Ram, Y., Weiss, B.Z., Komem, Y. Explosive cladding of Cu/Cu systems: an electron microscopy study and a thermomechanical model 9—96041
Doran, J.C., Horst, T.W., Nickola, P.W. Experimental observations of the dependence of lateral and vertical dispersion characteristics on source height 9—70823
Doran, M., Hillier, I.H., Seddon, E.A., Seddon, K.R., Thomas, V.H., Guest, M.F. The calculation of the ionization energies of $CrOCl_3$ by configuration-interaction and ΔSCF methods 9—68194
Doran, N.J., Woolley, A.M. The band structure of CuCl 9—60704
Doran, N.J., Woolley, A.M. The reconstructed band structure of 2H metallic layer compounds 9—95312
Doran, N.J. *see* Davis, E.A. 9—60464
Doran, S.K. Collector plate amplifier for measuring electron beam parameters 9—75653
Dorazil, E., Barta, B., Crhak, J., Munsterova, E. High-strength bainitic cast iron with spheroidal graphite 9—96023
Dorazil, E., Svejcar, J. Study of morphology of lower bainite in silicon steel 9—78959
D'orazio, M. On-line identification of Gas chromatographic fractions by a Raman multichannel spectrometer 9—83524
Dorchoman, D. *see* Akimov, Yu.K. 9—49525
Dore, B.D. Some effects of the air-water interface on gravity waves 9—57947
Dore, B.D., Al-Zanaidi, M.A. On secondary vorticity in internal waves 9—72899
Dore, J.C. *see* Clarke, J.H. 9—69004
Dore, J.C. *see* Gibson, I.P. 9—73088
Dore, J.C. *see* Granada, J.R. 9—73089
Dore, P. *see* Buontempo, U. 9—50086
Dore, U. *see* Amaldi, E. 9—71771
Doremus, R.H., Kay, J.F. Initial crack paths in glass: influence of temperature and composition 9—100246
Doremus, R.H. *see* Kinsman, K.R. 9—66045
Doremus, R.H. *see* Lanford, W.A. 9—87877
Doremus, R.H. *see* Thomas, M.B. 9—78924
Doren, V.E.Van *see* Van Doren, V.E.
Dorenbosch, J. *see* Abrams, G.S. 9—89149, 9—89174
Dorenburg, K. *see* Metz, H. 9—56693
Dorf, V.A., Kashkarov, K.P., Leshchinskii, M.Yu., Sidorenko, M.V., Sizov, G.V. Standardization of nondestructive methods of determining the strength of concrete with mechanical action samples 9—91902
Dorfan, D. *see* del Papa, C. 9—49528
Dorfan, J.M. *see* Abrams, G.S. 9—89149, 9—89174
Dorfan, J.M. *see* Piccolo, M. 9—93439
Dorfan, J.M. *see* Rapidis, P.A. 9—75780
Dorfle, M. Microscopic evaluation of the transport parameters of superfluid ^{3}He B 9—51354
Dorfle, M. *see* Brand, H. 9—82406
Dorfman, A.L. A numerical solution of the three-dimensional problem of the interaction of a system of jets in a deflecting stream of viscous incompressible liquid 9—81932
Dorfman, J.R. *see* Ernst, M.H. 9—50694
Dorfmuller, T., Dux, H., Fytas, G., Mersch, W. A light scattering study of the molecular motion in hexanetriol 1,2,6 9—86672
Dorfmuller, T. *see* Dux, H. 9—77481
Dorhofer, K. A reindexing of the X-ray powder diffraction pattern of β-$LiAlO_2$ 9—51069
Doria, F.A. Noncontinuous gauge potentials without magnetic monopoles 9—93278
Dorignac, D., Jouffrey, B. Detection and resolution of atom images. Applications in molecular biology 9—66595
Dorin, V.A., Savistskii, O.G. Current noise in cadmium selenide due to thermal-field ionization 9—91110
Doring, W. *see* Freese, H. 9—86835
D'Orio, C. *see* Costa, B. 9—98478
Dorko, E.A., Pchelkin, N.R., Wert, J.C., III, Mueller, G.W. Initial shock tube studies of monomethylamine 9—96301
Dorleijn, J.W.F., Miedema, A.R. The anomalous Hall effect in nickel alloys: contributions from skew scattering and side displacement in the two-current model 9—56198
Dorling, J. Did Einstein need general relativity to solve the problem of absolute space? Or had the problem already been solved by special relativity? 9—58514
Dorlot, J.-M. *see* Penelon, A. 9—70147
Dormael, A.Van *see* Van Dormael, A.
Dormale, B.M.de *see* de Dormale, B.M.
Dorman, F. *see* Erdman, A.G. 9—92274
Dorman, I.V. First high-altitude investigations of cosmic rays on balloons 9—80141
Dorman, L.I. Methods of investigating the variations of cosmic rays with the aid of differential, ionospheric, and radio carbon coupling coefficients 9—80142
Dorman, L.I., Babayan, V.Kh., Debish, A.M., Yanke, V.G. Model calculations of the propagation of cosmic rays in linear and nonlinear modulation theory 9—80140
Dorman, L.I., Kats, M.E., Fedorov, Yu.I. Theory of diffusion of cosmic rays in interplanetary space with allowance for the second spherical harmonic 9—80118
Dorman, L.I., Kats, M.E., Fedorov, Yu.I., Shakhov, B.A. Dependence of cosmic rays energy density on the orientation of cosmic rays radial gradient 9—53682
Dorman, L.I., Khamirzov, Kh.M., Shadov, A.A., Shkhalakhov, G.Sh. The Elbrus spectrographic system applied to cosmic-ray variations 9—84605
Dorman, L.I., Kozin, I.D., Satsuk, V.V., Seregina, N.G., Churunova, L.F. Hysteresis, fluctuations, and barometric and ionospheric effects in cosmic rays 9—84604
Dorman, L.I., Krest'yannikov, Yu.Ya., Sergeev, A.V., Tergoev, V.I., Shapovalova, L.A. Sayan spectrograph data on cosmic-ray intensity variations of interplanetary, magnetospheric, and atmospheric origins 9—84606
Dorman, L.I. *see* Akopyan, S.K. 9—80143
Dorman, L.I. *see* Alaniya, M.V. 9—80138
Dorman, L.I. *see* Belov, A.V. 9—80135
Dorman, L.M. A linear relationship between Earth models and seismic body wave data 9—57885
Dorman, M.F., Raphael, L.J., Liberman, A.M. Some experiments on the sound of silence in phonetic perception 9—81650
Dormann, E. *see* Buschow, K.H.J. 9—78546
Dorn, L., Niebuhr, G. Comparison of characteristic values of micro and standardized tensile test pieces 9—83414
Dornan, P.J. *see* Brandelik, R. 9—63491, 9—93441
Dornauf, H., Heber, J. Fluorescence of Pr^{3+}-ions in $La_{1-x}Pr_xP_5O_{14}$ 9—83014
Dorner, B., Doucet, J., Lambert, M., Levelut, A.M., Porquet, P. Dynamics of the crystalline phase and the ordered smectic phases of TBBA 9—51216
Dorner, B. *see* Chernyshov, A.A. 9—99285
Dorner, B. *see* Hennion, B. 9—60446
Dorner, B. *see* Polian, A. 9—95105
Dornhaus, R., Nimtz, G., Muller, K.-H., Berger, M., Jakobus, T. Recombination effects in HgCdTe and PbSnTe 9—82610
Dornhaus, R. *see* Benner, R.E. 9—89703
Dornhaus, R. *see* Nimtz, G. 9—65498
Dorning, J., Pescatore, C., Spiga, G. A continuous slowing-down theory for test particles 9—97326
Dorning, J., Pescatore, C., Spiga, G. The distribution function continuity method: A local Green's function technique for the numerical solution of the Boltzmann equation 9—97327
Dorning, J., Spiga, G. Point kinetics as an asymptotic representation of space-, energy-, and angle-dependent reactor kinetics 9—80985
Dorning, J.J. *see* Boffi, V.C. 9—97324
Dorning, J.J. *see* Horak, W.C. 9—89359
Dorning, J.J. *see* Lawrence, R.D. 9—59106, 9—85585
Dorning, J.J. *see* Mast, P.K. 9—49699
Dorninger, C. *see* Eder, G. 9—76042
Dornow, V.A., Binder, J., Heidemann, A., Kalvius, G.M., Wortmann, G. Preparation of narrow-line sources for the 6.2 keV Mossbauer resonance of ^{181}Ta 9—76253
Dorobantu, R., Zugravescu, D. A micro capacitive transducer, of great sensitivity, for geophysical applications 9—58121
Dorodnov, A.M. Technical applications of plasma accelerators 9—60203
Dorodnyl, B.A., Degtyareva, E.V. Vibrovacuum compaction of fine powders and its influence on isostatic molding 9—83149
Dorofeev, G.A. *see* Litvinov, V.S. 9—99796
Dorofeev, G.L. Vortex line pinning and current-voltage characteristics of superconductors 9—65623
Dorofeev, N.N. *see* Mel'nik, P.I. 9—52446
Dorofeev, V.A. *see* Galiakberov, D.Sh. 9—81553
Dorofeev, V.G., Kareva, V.A., Makin, V.S., Smirnov, V.N. Absorption of KRS-5 and KRS-6 crystals in the 10.6 μm region 9—50360
Dorofeev, Yu.A. *see* Men'shikov, A.Z. 9—82759

Dorofeev, Yu.G., Gasanov, B.G. Recrystallization diagram of sintered iron produced by dynamic hot pressing 9—70017
Dorofeev, Yu.G., Shatov, Yu.S., Lamkov, K.K., Skorikov, E.A. Carbon diffusion in polycrystalline hard magnetic materials 9—77827
Dorofman, A.Sh., Vishnovskii, V.K. Heat current form nonisothermal surfaces to gradient flows of non-Newtonian liquids 9—68767
Dorogi, P.L., Neumann, E. Asymmetric displacement currents in giant axons and macromolecular gating processes 9—100590
Dorogov, V.N., Shavaiko, S.N. Inductive gauge with quartz resonator 9—63189
Dorogovtsev, S.N. Correlations in a system of virtual domain walls and the central peak in the dynamic structure factor 9—95114
Dorogush, V.M. *see* Rabinovich, G.D. 9—90810
Dorokhin, A.V., Kotov, A.A. Long-lifetime luminescence of laser-excited vapors of organic compounds 9—54887
Dorokhin, A.V. *see* Borisevich, N.A. 9—86002
Dorokhov, O.N. *see* Gordyunin, S.A. 9—82511
Dorokhova, G.I. *see* Puschcharovskii, D.Yu. 9—90624
Dorokhovich, V.P. *see* Kut'enkov, V.A. 9—66201
Doronicheva, V.P. *see* Voronin, Yu.V. 9—52496
Doronin, G.S. *see* Grigor'ev, N.A. 9—68769
Doroshenko, A.P. Nonlinear integral equation for equally loaded solenoid windings 9—55028
Doroshenko, N.A. *see* Presnyakova, O.V. 9—66070
Doroshenko, R.A., Farztdinov, M.M., Antonov, L.I., Aminov, T.G., Kalinnikov, V.T. Observations of domain structure in magnetic semiconductor $CdCr_2Se_4$ 9—95604
Doroshenko, R.A., Veselago, V.G., Farztdinov, M.M., Antonov, L.I., Kalinnikov, V.T. Direct observation of effects of illumination on domain structure of magnetic semiconductor $CdCr_2Se_4$ 9—99726
Doroshenko, V.T. *see* Dibai, E.A. 9—62913
Doroshev, V.D. *see* Bar'yakhtar, V.G. 9—82785
Doroshkevich, A.G., Shandarin, S.F. A statistical approach to the theory of galaxy formation 9—97086
Doroshkevich, A.G., Zel'dovich, Ya.B., Syunyaev, R.A. Fluctuations of the microwave background radiation in the adiabatic and entropic theories of galaxy formation 9—62942
Doroshkin, A.A. *see* Mtskeradze, G.Sh. 9—50254
Dorozhkin, A.A., Petrov, A.A., Petrov, N.N. Structure of the energy spectra of the Auger electrons obtained by irradiation of solids with moderate-energy ions 9—69946
Dorozhkin, S.I., Dolgopolov, V.T. The structure and dynamics of the layer arising at the surface of superconducting aluminium on switching off the magnetic field H_0. Large values H_0/H_c 9—60998
Dorozhkin, S.I. *see* Dolgopolov, V.T. 9—61000
Dorozhko, E.V. *see* Sredin, V.G. 9—74012
Dorozhko, G.K. *see* Khlestov, V.M. 9—70060
Dorph, S., Hegedus, V., Palbol, J. Kidney distension during IV urography in normal rats and in rats with artificial unilateral renal artery stenosis 9—62334
Dorr, M. *see* Backenstoss, G. 9—76035
Dorr, W., Assmann, H., Maier, G., Steven, J. Evaluation of density, open porosity, pore size distribution and specific surface area of UO_2 pellets 9—49803
Dorre, E., Dawihl, W. Mechanical and tribological properties of ceramic endoprostheses (total hips) 9—84005
Dorre, P., Haug, H., Heise, M., Jelitto, R.J. On quantum statistical variational principles 9—75452
Dorre, P., Haug, H., Thoai, D.B.T. Condensate theory versus pairing theory for degenerate Bose systems 9—67224
Dorren, J.D., Guinan, E.F., McCook, G.P. X-Persei 9—53820
Dorrepaal, J.M. Stokes flow past a two-dimensional lens 9—77088
Dorrepaal, J.M., O'Neill, M.E. The existence of free eddies in a streaming Stokes flow 9—77065
Dorschner, J., Friedemann, C., Gurtler, J. Laboratory spectra of phyllosilicates and the interstellar 10-micrometer absorption band 9—80344
Dorschner, J. *see* Gurtler, J. 9—101217
Dorsey, C.C., Pelletier, M.J., Harris, J.M. Time correlation method for measuring fluorescence decays with a CW laser 9—50072
Dorsey, J. *see* Weymouth, L.J. 9—93122
Dorshow, R., Hogg, R.D., Jaccarino, V. Pb_2MnF_6: antiferromagnet and superionic conductor 9—99366
Dort, M.A.Van *see* Van Dort, M.A.
Dorth, W. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Dorward, R.C., Hasse, K.R. Flaw growth in high strength Al-Zn-Mg-Cu alloys exposed to stress corrosion environments 9—66198
Dorward, R.C., Hasse, K.R. Incubation effects in precracked stress corrosion specimens from Al-Zn-Mg-Cu alloy 7075 9—91832
Dorzhin, G.B. *see* Bazarov, V.D. 9—86281
dos Santos, A. *see* Ishiguro, Y. 9—85581
Dos Santos, P.Marques *see* Marques Dos Santos, P.
Dosch, C. Propagation measurements in Munich using the 11.6 GHz beacon of the SIRIO satellite 9—84337
Dosch, C. Satellite broadcasting—evaluation of the propagation measurements carried out in 1978, using the satellite SIRIO 9—84441
Dosch, J.Cl. *see* Van Damme, W. 9—66549
Doscheck, G.A. *see* Bhatia, A.K. 9—86069
Dose, V., Fabricius, K., Muller, E., Scheidt, H. Signal broadening in potential modulation differentiation 9—54237
Dose, V., Scheidt, H. Deconvolution of appearance potential spectra 9—56886
Dose, V. *see* Boiziau, C. 9—77977
Dose, V. *see* Conrad, M. 9—95877
Dose, V. *see* Denninger, G. 9—54197
Dosen, R.J. *see* Bartlett, J.F. 9—89535
Dosi, M. *see* Willis, C. 9—68390
Doskocilova, D. *see* Pivcova, H. 9—69737
Doss, E., Geyer, H., El-Derini, Z., Ahluwalia, R.K. Two-dimensional MHD channel design 9—83604
Doss, K.G.R., Eisenstein, R.A., Wharton, W.R., Blanpied, G., Burleson, G.R., Amann, J.F. Octupole transitions in the $^{92}Mo(\pi^{\pm},\pi^{\pm})$ reactions 9—85542
Doss, K.S.G. The so-called non-Faradaic electrolysis 9—96333
Doss, L.L., Richman, M.S. The influence of location of the crossing needle on dose distributions from planar implants 9—100742
Doss, M.J.Kumar *see* Kumar Doss, M.J.
Dossel, K.-F., Sutter, D.H. The microwave spectrum of silylisothiocyanate, SiH_3NCS. III. The rotational Zeeman effect 9—54847
Dossel, K.-F., Sutter, D.H. The rotational Zeeman effect of methyl- and silylbromide 9—54909
Dosser, L.R., Pallix, J.B., Atkinson, G.H., Wang, H.C., Levin, G., Szwarc, M. Time-resolved resonance Raman (TR^3) spectroscopy. Structural identification of an intermediate in the photolysis of trans-stilbene dianions 9—52695
Dossett, A.J. *see* Bennett, J.R.J. 9—63261
Dosso, H.W. *see* Miles, T. 9—66807
Dosso, L., Vidal, P., Cantagrel, J.M., Lameyre, J., Marot, A., Zimine, S. 'Kerguelen: continental fragment or oceanic island?': petrology and isotopic geochemistry evidence 9—57924
Dostal', V.A., Metlov, V.G. Relative abundance of ring galaxies, and the probability of collisional formation of ring structures 9—92868
Dote, T. *see* Hara, T. 9—86169
Dote, Y., Nakai, K., Akimoto, M., Tomita, M., Yoshida, K. Parameter estimation of vascular bed during hemodialysis by extra corporeal ultrafiltration method 9—84015
Dotsch, H., Wigen, P.E. Observation of the radial oscillation of a bubble lattice 9—73787
Dotsenko, A.V., Klochan, E.L., Lariontsev, E.G., Fedorovich, O.V. Synchronization modes of colliding waves and beats in a solid-state ring laser 9—72602
Dotsenko, G.I. *see* Cherkasov, B.I. 9—71502
Dotsenko, L.I. *see* Nazarchuk, M.M. 9—64662
Dotsenko, S.F. On generation of unsteady three-dimensional internal waves by periodic pressures 9—100854
Dotsenko, V.A. *see* Bogachev, I.N. 9—91648
Dotsenko, V.I. Stress relaxation in crystals 9—73248
Dotsenko, V.S. *see* Volovik, G.E. 9—73359
Dotsenko, Yu.V. *see* Alkhazov, G.D. 9—80938
Dotsinski, I. *see* Sukonkina, E.A. 9—57809
Dotsinski, I.A. *see* Khristanov, H.A. 9—79666
Dott, H.M. *see* Miles, P. 9—74809
Dotto, P.Del *see* Del Dotto, P.
Dottori, H.A. UBV photometry of southern galaxies 9—101198
Doty, D. Inexpensive automatic time keeping in the undergraduate laboratory 9—97158
Doty, J.P. *see* Byrne, P. 9—67118
Dou Guo-ren An investigation of the total sediment transport model of sandy river 9—96779
Douady, J., Ellinger, Y., Subra, R., Levy, B. A quadratically convergent SCF procedure 9—59335
Douady, J. *see* Barone, V. 9—97998
Doub, W.B. *see* Natelson, M. 9—67931
Doubleday, C., Jr. CIDNP and intersystem crossing in biradicals 9—79275
Doubochine, G.N. On the Lagrangian and Eulerian solutions of the generalized problem of three bodies in absolute axes 9—66912
Doubrava, P., Zavetova, M. Photo-induced changes in the infrared vibrational spectra of As-Se films 9—91514
Doubre, H. *see* Gamp, A. 9—76021
Doucet, H.J. *see* Bacal, M. 9—73045
Doucet, J. Relation between the herringbone packing and the chain behaviour in the ordered smectic phases 9—73093
Doucet, J. *see* Dorner, B. 9—51216
Douet, P. *see* Graftieaux, J. 9—97855
Dougal, R.A., Gundersen, M., Jones, C.R., Nelson, L.Y. Longitudinal-mode control of a CO_2 TE laser by means of intracavity absorbers 9—72579
Dougherty, D. *see* Lauher, J.W. 9—69081
Dougherty, E.P., Jenn-Tai Hwang, Rabitz, H. Further developments and applications of the Green's function method of sensitivity analysis in chemical kinetics 9—100334
Dougherty, H.T., Hart, B.A. Recent progress in duct propagation predictions 9—84374
Dougherty, H.T. *see* Dutton, E.J. 9—62562
Dougherty, J.P. *see* Romeiras, F.J. 9—73004
Dougherty, L.M. A semi-kinematic equatorial table 9—70958
Doughty, K. *see* Das-Gupta, D.K. 9—90572
Douglade, P.J., Mercier, R. Crystal structure of antimonide (III) disulphate $Sb_2(S_2O_7)_5$ 9—55703
Douglas, D.J., Bradley Moore, C. Vibrational relaxation of HF (v=3,4) by H_2, D_2, and CO_2 9—50117
Douglas, D.J. *see* Brown, R.D.H. 9—72399
Douglas, M.A., Green, M.V., Ostrow, H.G. Evaluation of automatically generated left ventricular regions of interest in computerized ECG-gated radionuclide angiocardiography 9—70626
Douglas, R.A. *see* Wylie, W.R. 9—85856
Douglas, W.H. *see* Powers, J.M. 9—96710
Douglas-Hamilton, D.H. *see* Sutton, G.W. 9—84472
Doukellis, G. *see* Natowitz, J.B. 9—93647
Doukhan, J.C. *see* Gerstenhauer, E. 9—78526
Douklias, N. *see* Aulich, H. 9—50425
Doulah, M.Seraj-ud *see* Seraj-ud Doulah, M.
Doumerc, J.-P., Marcus, J., Pouchard, M., Hagenmuller, P. Substitution of tungsten with tantalum in tungsten bronzes $Na_xTa_yW_{1-y}O_3$ 9—60879
Doun, S.K. *see* Bartell, L.S. 9—68316
Dounas, A. *see* Payne, B.R. 9—53393
Douple, E.B., Strohbehn, J.W., Bowers, E.D., Walsh, J.E. Cancer therapy with localized hyperthermia using an invasive microwave system 9—100700
Douple, E.B., Strohbehn, J.W., Walsh, J.E., deSieyes, D.C. Local microwave hyperthermia as a treatment of cancer 9—83893
Doupovec, J., Thurzo, I., Vlasak, G. Thermal, structural, and dielectric properties of Cu-doped Ge-S glasses 9—60283
Doupovec, J. *see* Thurzo, I. 9—95704
Dourneuf, M.Le *see* Le Dourneuf, M.
Douskos, C.N. *see* Georgantopoulos, G.A. 9—81985, 9—86518
Doussal, H.L. Application of fracture mechanics to investigations of behavior of industrial refractories subjected to severe thermomechanical stresses 9—96109
Dousson, S. *see* Bliman, S. 9—94080
Dovator, N.A., Zhitnikov, R.A. Nonstationary coherent effects on pulsed excitation of hyperfine structure transitions in optically oriented atoms 9—98011
Dovbnya, A.N. *see* Batygin, Yu.V. 9—63856
Dovbnya, B.V. *see* Gul'yel'mi, A.V. 9—58192
Dove, D.B. *see* Deines, J.L. 9—77929
Dove, D.B. *see* Lin, Y.S. 9—82846
Dove, J.E., Raynor, S. An ab initio calculation of the rate of vibrational relaxation and thermal dissociation of hydrogen by helium at high temperature 9—74367
Dove, J.E., Teitelbaum, H. The vibrational relaxation of H_2. II. Measured density changes; master equation study of the mechanism of relaxation 9—76493
Dover, C.B. Properties of the elementary KN and $\bar{K}N$ interactions 9—85340
Dover, C.B., Gaisser, T.K., Steigman, G. Cosmological constraints on new stable hadrons 9—54308
Dover, C.B., Walker, G.E. Kaon inelastic scattering and charge exchange on nuclei 9—59091
Dover, W.D., Boutle, N.F. The influence of mean stress and thickness on the fatigue crack growth behaviour of the aluminium alloy BS2L71 9—61710
Dovgopol, V.P. *see* Pan, V.M. 9—60463
Dovgoshei, N.I. *see* Golovach, I.I. 9—65901
Dovgoshei, N.I. *see* Luksha, O.V. 9—86712
Doviak, M.J. *see* Walker, G.H. 9—70450
Doviak, R., Jobson, C.T. Dual Doppler radar observations of clear air wind perturbations in the planetary boundary layer 9—53462
Doviak, R.J., Zrnic', D. Receiver bandwidth effect on reflectivity and Doppler velocity estimates 9—53549
Dovletov, K. *see* Berger, L.I. 9—95430
Dovydenkov, V.A., Radomysel'skii, I.D., Napara-Volgina, S.G. Methods of production and properties of sintered stainless steels for machine components—a review 9—100082
Dovzhenko, V.A. *see* Malevskii, Yu.B. 9—83200
Dow, J.D. *see* Myles, C.W. 9—77703
Dow, J.D. *see* Swarts, C.A. 9—59412, 9—83056

Dowben, P.A., Jones, R.G. Halogen adsorption on Fe(100). I. The adsorption of Cl_2 studied by AES, LEED, work function change and thermal desorption 9—82465
Dowda, W., Nowak, L., Chomka, W. Internal friction in 13 pct Cr maraging steel 9—96075
Dowdy, E.J., Robba, A.A., Hastings, R.D. An operator-independent reactor power monitor 9—85644
Dowek, D., Krutein, J., Thielmann, U., Fayeton, J., Barat, M. Collision spectroscopy of open-shell systems. I. C^+-Ne collisions 9—86037
Dowell, E.H. On some general properties of combined dynamical systems 9—64490
Dowell, F. Glass tricritical points 9—82320
Dowell, F. *see* Martire, D.E. 9—86873
Dowell, J.L. Construction of a CO_2 laser in an experimental group study 9—97166
Dowell, T.P.L., Jr. *see* Mann, C.J. 9—62509
Dowgiallo-Plenkiewicz, B., Plenkiewicz, P. Inverted band structure of Cd_3As_2 9—90958
Dowgiallo-Plenkiewicz, B. *see* Plenkiewicz, P. 9—56124
Dowker, J.S. *see* Candelas, P. 9—67473
Dowler, M.J., Ingmanson, D.E. Thiocyanate in Red Sea brine and its implications 9—57975
Dowling, J.A., Curcio, J.A., Hanley, S.T., Horton, R.F., Haught, K.M., Garcia, D.H., Guttman, A., Gott, C.O., Agambar, W.L., Trusty, G.L., Cosden, T.H. A review of the Naval Research Laboratory program in atmospheric measurements and application to modeling 9—53521
Dowling, J.A., Horton, R.F., Hanely, S.T., Haught, K.M. High resolution field measurement of atmospheric transmission 9—66798
Dowling, R.J., Ferguson, R.L., Weber, S.A. Experience in the design, construction and testing of the FFTF heat transport system 9—97783
Dowling, R.K. *see* Williams, P.W. 9—74906
Down, M.G., Pulham, R.J. Low temperature method for the growth of lithium nitride single crystals 9—74077
Downes, C.J. *see* Barnes, I. 9—62528
Downes, E.M. *see* Watson, J. 9—83879
Downes-Martin, S. *see* Bedding, S. 9—54028, 9—85038
Downey, J.W. *see* Fradin, F.Y. 9—82710
Downey, R.M. *see* Fischer, J.W. 9—58846
Downie, N.A. *see* Brandelik, R. 9—63491, 9—93441
Downing, A.M. *see* Butcher, E.C. 9—66865
Downing, R. *see* Bross, A. 9—89517
Downing, R.W. FASTBUS—details of addressing and bus mastership 9—89554
Downs, D.W., Crum, M.A. Processing demands during auditory learning under degraded listening conditions 9—96578
Downs, G.S. Integrated pulse profiles and mean fluxes of 24 pulsars at 2.388 gigahertz 9—92791
Dowsett, D.J. *see* Short, M.D. 9—100716
Dowsing, R.J. The microelectronics revolution: the impact of microprocessors on metals production 9—74320
Dowson, A.E.K. General criteria for ferromagnetism in the Hubbard model 9—51736
Dowson, D. *see* Amis, A.A. 9—74699, 9—96591
Dowson, D. *see* Ellis, M.I. 9—74698
Dowson, D. *see* Hamrock, B.J. 9—90198
Doxsey, R.E. *see* Bradt, H.V. 9—62929
Doxsey, R.E. *see* Fabbiano, G. 9—67109
Doxsey, R.E. *see* Griffiths, R.E. 9—62907, 9—92864
Doxsey, R.E. *see* Johnston, M.D. 9—62933
Doxsey, R.E. *see* Schwarz, J. 9—97090
Doyama, M., Nakai, R., Fukushima, H., Nishida, N., Uemura, Y.J., Yamazaki, T. Trapping of positive muons by vacancies in non-stoichiometric compounds 9—56704
Doyama, M. *see* Fukushima, H. 9—99971
Doyama, M. *see* Kumakura, H. 9—74017
Doyama, M. *see* Yamamoto, R. 9—50994
Doycheva, M.G. *see* Bratanov, K.T. 9—66463
Doyennette, L. *see* Seoudi, B. 9—59539
Doyle, B.L., Peercy, P.S. Technique for profiling ^1H with 2.5-MeV Van de Graaff accelerators 9—77626
Doyle, B.L., Shafroth, S.M. L_1-$L_{2,3}M_{4,5}$ Coster-Kronig transition thresholds in the region $37 \leq Z \leq 56$ 9—68214
Doyle, B.L. *see* Ellsworth, L.D. 9—50123
Doyle, B.L. *see* Schmiedekamp, A. 9—81269
Doyle, E. *see* Sakhuja, R. 9—62022
Doyle, E.D., Horne, J.G., Tabor, D. Frictional interactions between chip and rake face in continuous chip formation 9—52387
Doyle, E.D., Turley, D.M. Delamination effects in grinding 9—52470
Doyle, F.J. Digital terrain models: an overview 9—84084
Doyle, H.T. *see* Layzer, D. 9—53783
Doyle, J.C. *see* Gevins, A.S. 9—100591
Doyle, J.F. A unified approach to optical constitutive relations 9—59631
Doyle, P.A. *see* Green, M.A. 9—71457
Doyle, T.B. *see* McLachlan, D.S. 9—56195, 9—56448
Doyle, W.T., Gibson, R. Demonstration of eddy current forces [laboratory apparatus] 9—62967
Doyle, W.T. *see* Wu, R.K. 9—67336
Doyle, W.T. *see* Wuk, R.K. 9—67335
Dozelov, V.P., Churikova, T.V. Possible connection between the anomalous intensity of galactic cosmic rays on the descending branch of the twentieth cycle of solar activity with the anomalous development of the total magnetic field of the Sun 9—80132
Drabent, R. Transition moments of riboflavin in the 300 nm region 9—53042
Drabkin, G.M. *see* Okorokov, A.I. 9—87257
Drabkin, I.A. *see* Gruzinov, B.F. 9—90948
Drabkin, M.A. *see* Averkin, A.A. 9—73516
Drachenfels, W.von *see* von Drachenfels, W.
Drachinskaya, A.G. *see* Larikov, L.N. 9—52202
Drachinskii, A.S. *see* Arkharov, V.I. 9—79057
Drachman, R.J. Autodissociating Rydberg states of positronium hydride 9—76539
Drachman, R.J., Sucher, J. Annihilation in positron-atom collisions: a new approach 9—94088
Drachman, R.J. *see* Sucher, J. 9—92985
Drachsel, W., Becker, K.A. The adsorption of gas phase benzene on H-mordenite. II. Adsorption 9—90892
Drachsel, W. *see* Viswanathan, B. 9—83109
Drack, H. Comment on the ability of the representation space transformation to preserve data structure 9—74451
Dracoulis, G.D. Behavior of the moment of inertia curve in a recrossing of the ground state band and the superband in ^{158}Er 9—59001
Dracup, J.F. *see* Niell, A.E. 9—79722
Draeger, B.G., Summers, G.P. Defects in unirradiated α-Al_2O_3 9—61409
Dragan, M.S. *see* Grilitskii, D.V. 9—81736
Draganescu, V. *see* Alexandrescu, R. 9—59667
Dragert, H. *see* Lambert, A. 9—79724
Dragila, R., Limpouch, J. Self-similar model of laser-induced plasma expansion affected by radiation pressure 9—94778
Dragila, R. *see* Musil, J. 9—52406
Dragonette, L.R. The influence of the Rayleigh surface wave on the backscattering by submerged aluminum cylinders 9—86276
Dragos, L. Fundamental solutions for ideal fluids in uniform motion 9—50704
Dragos, L. Fundamental solutions in thermoelasticity 9—68573
Dragoset, R.A. *see* Muldoon, M.F. 9—95549
Dragoset, W.H. *see* Hoftiezer, J.H. 9—85509
Dragoset, W.H. *see* Pipin, G.P. 9—85316
Dragoshanskii, Yu.N. *see* Starodubtsev, Yu.N. 9—69692
Dragt, A.J. A method of transfer maps for linear and nonlinear beam elements 9—72107
Dragulinescu, D. *see* Badescu, St. 9—86199
Dragunas, A. *see* Makariunas, K. 9—97683
Dragunas, A.K. *see* Makaryunas, K.V. 9—54412
Draine, B.T. On the chemisputtering of interstellar graphite grains 9—62880
Draine, B.T., Salpeter, E.E. On the physics of dust grains in hot gas 9—92820
Draine, B.T., Salpeter, E.E. Destruction mechanisms for interstellar dust 9—92825
Drake, A.D. A sensitive fiber optic force transducer for measuring isometric muscle contractions 9—79715
Drake, D. *see* Aniol, K. 9—85516
Drake, D.M. *see* Cindro, N. 9—67629
Drake, G.F., Woodcock, C.L.F. A device for the automatic regulation of backing pressure in vacuum systems [for electron microscopes] 9—49241
Drake, G.W.F. Unified relativistic theory for $1s2p^3P_1$-$1s^2{}^1S_0$ and $1s2p^1P_1$-$1s^2{}^1S_0$ frequencies and transition rates in heliumlike ions 9—68210
Drake, R. *see* Laibowitz, R.B. 9—65614
Drake, R.E. *see* Cerling, T.E. 9—57930
Drake, S. Galileo and satellite prediction 9—88784
Drake, T.E. *see* Kieser, W.E. 9—93904
Drakin, A.E. *see* Dolginov, L.M. 9—65545
Draksas, P.-R.P. *see* Pocius, Z.V. 9—63320, 9—63321
Dralle, A.V., Candelore, N.R., Gast, R.C. RCPL1 9—67810
Dranchuk, S.N. *see* Vas'kova, N.A. 9—86793
Drandarov, N. Effect of oxygen on the emission and surface diffusion of tantalum auto-cathodes 9—77892
Dranishnikov, S.V. *see* Gorbunov, Yu.A. 9—70015
Dranova, Zh.I. *see* Mikhailovskii, I.M. 9—61504
Dransfeld, K. *see* Arnold, W. 9—95273
Drapatz, S. On the far-infrared diffuse galactic emission 9—67092
Draper, J.E. Use of $|\Psi|^2$ and flux to simplify analysis of transmission past rectangular barriers or wells 9—71183
Draper, J.E. *see* McDonald, R.J. 9—93554
Drapiko, P.E. *see* Vorontsov, N.M. 9—78994
Drapkin, B.M. *see* Piguzov, Yu.V. 9—100136
Drath, P., Theis, P., Pogrzeba, W. Consequences of the International System of Units in chemistry 9—97339
Dratzig, A.Schultz von *see* Schultz von Dratzig, A.
Dratzig, A.Schultz Von *see* Schultz Von Dratzig, A.
Draugelates, U. *see* Fleer, R. 9—91884
Dravin, V.A. *see* Antonenko, A.Kh. 9—90707
Dravin, V.A. *see* Konorova, E.A. 9—77630
Dravskikh, A.F., Kosheleva, O.A., Kreinovich, V.Ya., Finkel'shtein, A.M. Optimization of arc measurement procedure using radiointerferometer 9—101082
Dravskikh, A.F., Kosheleva, O.N., Kreinovich, V.Ya., Finkel'shtein, A.M. Method of arcs and differential astrometry 9—80205
Drawglis, E. *see* Hassell, J.A. 9—96387
Drawin, H.W. Elementary reactions in nuclear fusion plasmas. II 9—60103
Drawin, H.W. Elementary reactions in thermonuclear fusion plasmas 9—85762
Drayson, S.R. *see* Park, J.H. 9—80037
Drazhan, A.V., Zuev, V.A., Korbutyak, D.V., Litovchenko, V.G. Radiative recombination in the Si- and Te-implanted gallium arsenide 9—91499
Drazhan, A.V. *see* Voltsit, V.V. 9—69887
Drazhev, M., Khristov, L. Optimization of the time-constants of multistage logarithmic frequency-current transducers 9—75511
Drazhev, M., Rabov, St., Stoikov, V. Express methods for studying logarithmic voltage transducers 9—75512
Drbal, L.F. *see* Thomas, M.M. 9—59223
Drchal, V. Electron-electron correlation in disordered binary alloys: the T-matrix approximation 9—78026
Drechsel, D., Arenhovel, H., Fabian, W., Heinze, W., Kim, Y.E., Tornow, V. Electromagnetic sum rules for light nuclei 9—71818
Drechsel, D. *see* Tiator, L. 9—67586
Drechsler, H.D. *see* Nemetz, P.N. 9—79443
Drechsler, M., Hoinkes, H., Kaarmann, H., Wilsch, H., Ertl, G., Weiss, M. Interaction of NH_3 with Fe(110): identification of surface species by means of secondary ion mass spectroscopy (SIMS) 9—90862
Drechsler, W. Field and particle equations for a gauge theory based on the (4,1) de Sitter group 9—58868
Drechsler, W. *see* Deser, S. 9—93294
Dreeben, A.B. *see* Kim, K.M. 9—91582
Dreher, H., Kast, W. Analytical method of approximation for the breakthrough curve in nonlinear adsorption isotherms 9—86978
Dreher, J.W. Polarization maps of Cygnus A at 23 gigahertz 9—71109
Dreher, K.D., Gogarty, W.B. An overview of mobility control in micellar/polymer enhanced oil recovery processes 9—61841
Drehman, A.J., Johnson, W.L. Effects of thermal relaxation on an amorphous superconducting Zr-Rh alloy 9—65575
Dreiling, M.J. *see* Parks, G.D. 9—52076
Dreissche, P.van den *see* van den Dreissche, P.
Dreissigacker, K., Popping, H., Sauer, P.U., Walliser, H. The use of Coulomb wavefunctions in momentum space for two-particle scattering 9—84996
Dreitser, G.A. *see* Dubrovskii, E.V. 9—58683
Dreitser, G.A. *see* Kalinin, E.K. 9—81876
Dreizen, P. *see* Siemankowski, R.F. 9—96528
Dreizler, H., Schrepp, W., Schwarz, R. A contribution to the microwave double resonance technique and measurements of collision induced transitions 9—58764
Dreizler, H. *see* Schrepp, W. 9—81305
Dreizler, R.M., Gross, E.K.U., Toepfer, A. Extended Thomas-Fermi approach to diatomic systems 9—59355
Dreizler, R.M. *see* Chattopadhyay, P. 9—63575
Drell, S.D. Experimental status of quantum electrodynamics 9—63399
Dremin, A.N. *see* Anan'in, A.V. 9—86838
Dremin, A.N. *see* Antipenko, A.G. 9—100378
Dremin, A.N. *see* Nabatov, S.S. 9—60881
Dremin, I.M. Coherent hadron radiation at TeV energies 9—92641
Dremin, I.M., Feinberg, E.L. Cluster problem in physics of high energy particles 9—93384
Dremin, I.M., Kanarek, T.I., Orlov, A.M. New properties of multiparticle correlations in multiple generation processes 9—75807
Dremin, I.M., Quigg, C. Clusters in hadron multiple production processes 9—49545
Dremin, I.M. *see* Apanasenko, A.V. 9—92642
Dremin, M.M., Sergeev, A.A., Stefanovskii, A.M. Parameters of the magnetic configuration of an apparatus with a spatial axis 9—98949
Drenckhahn, W., Feigel, A., Finckh, E., Gademann, G., Ruskamp, K., Wangler, M. Optical model proton parameters at subcoulomb energies 9—93584
Drentje, A.G. *see* Dermois, O.C. 9—54650
Drescher, G.S., Frank, C.W. Estimation of extractable N-nitroso compounds at the parts-per-billion level 9—74448
Dresden, M. *see* Salingaros, N. 9—71618
Dresdner, R.D., Katz, D.F., Berger, S.A. Hydromechanical analysis of self-propelled flagella 9—92199
Dresner, L. Transient heat transfer to liquid helium from bare copper surfaces 9—72785

Dresp, J. *see* Bauchinger, M. 9—92294

Dress, W.B., Miller, P.D. The neutron electric dipole moment 9—58963

Dresselhaus, G. *see* Pine, A.S. 9—82521

Dresselhaus, G. *see* Safran, S.A. 9—61373

Dresselhaus, G. *see* Schmutz, L.E. 9—61375

Dresselhaus, G. *see* Underhill, C. 9—56797, 9—95785

Dresselhaus, M.S. *see* Mendez, E. 9—61346

Dresselhaus, M.S. *see* Misu, A. 9—91423

Dresselhaus, M.S. *see* Schmutz, L.E. 9—61375

Dresselhaus, M.S. *see* Silberstein, R.P. 9—61374

Dresselhaus, M.S. *see* Underhill, C. 9—56797, 9—95785

Dresser, M.J. *see* Floyd, R.L. 9—87142

Dressler, A. The dynamics and structure of the cD galaxy in Abell 2029 9—92850

Dressler, E.T., MacDonald, W.M., O'Connell, J.S. Properties of the charged photopion production operator and the $^2H(\gamma,\pi^+)2n$ cross section 9—89292

Dressler, K., Gallusser, R., Quadrelli, P., Wolniewicz, L. The EF and GK $^1\Sigma_g^+$ states of hydrogen. Calculation of nonadiabatic coupling 9—59431

Dressler, K. *see* Wolniewicz, L. 9—98094

Drever, J.I., Smith, C.L. Cyclic wetting and drying of the soil zone as an influence on the chemistry of ground water in arid terrains 9—62529

Drever, R.W.P., Hough, J., Pugh, J.R., Edelstein, W.A., Ward, H., Ford, G.M., Robertson, N.A. Gravitational wave detectors 9—93033

Dreves, W. *see* Egelhof, P. 9—67737

Drew, D.A. Lubrication flow of a particle fluid mixture 9—64600

Drew, N.J. Electrical and structural studies on TCNQ salts 9—56209

Drewell, N. *see* Measures, R.M. 9—77408, 9—77410

Drewes, E.J. *see* Sonne, H.M. 9—66089

Drews, W.-D. Liquid atomizing by ultrasound 9—66359

Drexler, W., Kuhn, G., Mayr, M. Treatment of axially symmetric torsion in sharply indented bodies by the boundary integral equation method 9—90141

Dreyfert, T., Holmberg, K., Struwe, G. Critical flicker fusion frequency of the river lamprey (Lampetra fluviatilis) 9—74663

Dreyfus, G. *see* Cantaloube, B. 9—87379

Dreyfus, R.W., Landon, A.J. Ferrofluid mist dynamics 9—50772

Driankov, D. *see* Dimitrov, V. 9—57523

Driban, V.A. *see* Brainin, G.E. 9—52211

Dribinskii, A.V. *see* Trunov, A.M. 9—61876

Drickamer, H.G. *see* Mitchell, D.J. 9—54902

Driear, J. *see* Gourdin, W.H. 9—99181

Driel, H.M.van *see* van Driel, H.M.

Driel, H.M.Van *see* Van Driel, H.M.

Driel, J.van *see* van Driel, J.

Driemeyer, D. *see* Miley, G. 9—49844

Driemeyer, D. *see* Miley, G.H. 9—85786

Dries, L.J. *see* Donoghue, T.R. 9—71837

Dries, L.Van den *see* Van den Dries, L.

Driessche, L.Van Den *see* Van Den Driessche, L.

Driessler, W., Landau, L., Peraz, J.F. Estimates of critical lengths and critical temperatures for classical and quantum lattice systems 9—56556

Drifford, M. *see* Arsene, J. 9—65031

Drifford, M. *see* Bretheau-Raynal, F. 9—61365

Drift, W.P.J.T.Van Der *see* Van Der Drift, W.P.J.T.

Driftmyer, R.T. *see* Zien, T.-F. 9—94688

Driggers, F.E. Economics of water basin storage of spent LWR fuel 9—59201

Drigo, A.V. *see* Schmaus, D. 9—86828

Drijard, D. Design of experiments 9—89577

Drijard, D., Fischer, H.G., Geist, W., Gokieli, R., Innocenti, P.G., Korbel, V., Minten, A., Norton, A., Sosnowski, R., Stein, S., Ullaland, O., Wahl, H.D., Burland, P., Negra, M.D., Fontaine, G., Frenkiel, P., Ghesquiere, C., Linglin, D., Sajot, G., Frehse, H., Kluge, E.E., Putzer, A., Stiewe, J., Hanke, P., Hoffmann, W., Isenbeck, W., Spengler, J., Wegener, D. Quantum number effects in events with a charged particle of large transverse momentum. I. Leading particles in single and diquark jets 9—89198

Drijard, D., Fischer, H.G., Geist, W., Innocenti, P.G., Korbel, V., Minten, A., Norton, A., Stein, S., Ullaland, O., Wahl, H.D., Burlaud, P., Fontaine, G., Frenkiel, P., Ghesquiere, C., Sajot, G., Hanke, P., Hofmann, W., Panter, M., Rauschnabel, K., Spengler, J., Wegener, D., Frehse, H., Kluge, E.E., Heiden, M., Herr, W., Putzer, A., Negra, M.D., Linglin, D., Gokieli, R., Sosnowski, R., Szeptycka, M. Charmed baryon production at the CERN Intersecting Storage Rings 9—89150

Drijard, D., Fischer, H.G., Gokieli, R., Innocenti, P.G., Korbel, V., Minten, A., Norton, A., Sosnowski, R., Stein, S., Ullaland, O., Wahl, H.D., Burlaud, P., Negra, M.D., Fontaine, G., Frenkiel, P., Ghesquiere, C., Linglin, D., Sajot, G., Frehse, H., Kluge, E.E., Putzer, A., Stiewe, J., Hanke, P., Hofmann, W., Isenbeck, W., Spengler, J., Wegener, D. Density, charge and transverse momentum correlations of particles in non-diffractive proton-proton collisions at $\sqrt{s}$=52.5 GeV 9—80853

Drilling, J.S., Landolt, A.U. Spectral classifications for Landolt's celestial equatorial standard stars 9—75199

Drimer, J., Oh, C.B. Guard tactics simulation [nuclear facility safety] 9—85742

Drinfel'd, V.G., Manin, Yu.I. Yang-Mills fields, instantons, tensor products of instantons 9—67477

Dring, D. *see* Waters, R.T. 9—86636

Driole, J. *see* Dombre, M. 9—91623

Drioli, E. *see* Bellucci, F. 9—96366

Dris, M., Cormell, L., Kononenko, W., Robinson, B., Selove, W., Yost, B., Gollon, P.J., Kanofsky, A., Corcoran, M.D., Erwin, A.R., Harvey, E.H., Thompson, M. π^+ structure information from a jet experiment 9—49491

Dris, M.A. Effect of calorimeter resolution on high-P_T particle distributions 9—59323

Driscoll, M.J., Fujita, E.K., Lanning, D.D. Improvement of PWRs on the once-through fuel cycle 9—85637

Driscoll, T.J., Needham, P.B., Jr. The oxidation of Fe-Cr surface and bulk alloys at 300°C 9—61792

Driscoll, T.J. *see* Sartwell, B.D. 9—52447

Driver, D. *see* Pritchard, D.E. 9—54942

Driver, J.H., Sinclair, R., Jack, K.H. Modulated substitutional-interstitial solute-atom clustering in nitrided austenitic Fe-34Ni-V-alloys 9—74160

Driver, P.M., McCormick, P.G. The structure and properties of Cu based selective surfaces formed on an Al-Cu alloy by chemical brightness and etching treatments 9—62037

Driver, R.D. Can the future influence the present? 9—49035

Driver, R.D. *see* Brunner, T.A. 9—64029

Drizheruk, M.E. *see* Gaodu, A.N. 9—52258

Drizius, M.-R., Bartkus, S.I., Slanciauskas, A.A., Zukauskas, A.A. Drag and heat transfer on a rough plate at various Pr numbers 9—94610

Drizius, M.-R.M., Skema, R.K., Slanciauskas, A.A. Boiling crisis in swirled flow of water in pipes 9—90241

Droban, N.V. *see* Radovskii, I.S. 9—55444

Drobasheva, T.I., Skoropad, T.S. The system Na_2WO_4-Rb_2WO_4-WO_3 9—52189

Drobnich, V.G., Pop, S.S., Evdokimov, S.A. Study of the continuous radiation regularities under atmospheric ion bombardment of a molybdenum target 9—91504

Drobnik, A., Rozniakowski, K., Jablonski, W. Studies on interaction of Nd^{3+}-glass laser light with Armco-Fe high pressure nitrogen medium 9—99990

Drobnik, A., Rozniakowski, K., Szubanski, W., Wolf, L. Scattering of laser light by polystyrene solutions in benzene 9—91458

Drobny, V.F., Pulfrey, D.L. Properties of reactively-sputtered copper oxide thin films 9—95534

Drobot, A.T. *see* Sprangle, P. 9—77345

Drobot, A.V. *see* Chernyavskaya, S.G. 9—57019

Drobot, D.V. *see* Pisarev, E.A. 9—64958

Drobrovinskaya, E.R. *see* Timan, B.L. 9—55688

Drobyazko, S.V., Zhuravskii, L.G. Emission characteristics of a pulse-periodic CO_2 laser utilizing an air-CO_2 mixture 9—89886

Droege, R.T. A megavoltage MTF measurement technique for metal screen-film detectors 9—80736

Droege, T.F., Turner, K.J. A fast first pass at the future FASTBUS 9—89555

Drofa, A.S. Spectra of center-of-gravity shifts of light beams in a turbulent atmosphere 9—74942

Drofenik, M., Golic, L. Refinement of the Sr_2EuFeO_5 and Sr_2EuAlO_5 structures 9—60318

Drolshagen, G. *see* Bowman, J.M. 9—98193

Dromey, R.G. Mass spectrum dictionary for library searching 9—89031

Drondina, G.I. *see* Abrosimov, A.T. 9—76022

Dronjak, M. *see* Hornfeldt, S.P. 9—78451

Dropyazko, S.V. *see* Abil'siitov, G. 9—94254

Drory, Y. *see* Carel, R.S. 9—79669

Drost, C.J. Near and farfield of strip-shaped acoustic radiators 9—50475

Drost, C.J., Dobson, A. Average frequency processor for ultrasonic Doppler systems 9—83873

Drost, C.J., Milanowski, G.J., Thomas, G.G. Geometrical effects in ultrasonic transducer performance 9—83871

Drost, C.J., Thomas, G.G., Sellers, A.F. In vivo validation of the transit-time ultrasonic volume flow meter 9—83872

Drouin, R. *see* Beauchemin, G. 9—49916

Droullard, R.F. *see* Holub, R.F. 9—57529

Drowart, J. *see* Coppens, P. 9—94044

Droz-Vincent, P. N-body relativistic systems 9—84948

Drozd, A.A. *see* Gostishchev, V.I. 9—60801

Drozd, M.S., Slavskii, Yu.I., Baron, A.A. Development of methods of determining the hardness of metals (review) 9—87773

Drozdetskaya, G.L. *see* Kotler, N.I. 9—95947

Drozdoski, W.S., Baronavski, A.P., McDonald, J.R. Photodissociation of HNCO at 193 nm. NH($a^1\Delta$) internal energy distribution and reaction rate with O_2 9—83489

Drozdov, A.P., Dedov, L.V., Nechaev, V.V. Acoustic emission associated with phase conversions 9—70275

Drozdov, V.A., Murakhovskii, V.G., Skrinskii, V.M. Size-selective photochromism of solid electrolyte films 9—99968

Drozdov, Yu.N. *see* Soldatov, E.A. 9—86652, 9—94840

Drozdov, Yu.N. *see* Soldatov, E.N. 9—77584

Drozdova, G.A. *see* Gorelik, S.S. 9—52199

Drozhbin, Yu.A., Zaltsev, L.M., Ivashneva, L.N., Klyuchnikov, V.M., Prokopenko, V.E., Trachuk, V.S. Investigation of Ag- and Ni-activated ZnS and CdS luminescent screens for recording infrared laser pulses 9—64342

Drozhzhin, A.I. *see* Shchetinin, A.A. 9—67386

Druce, O.J. *see* Carter, M.R. 9—86530

Druce, S.G., Beevers, C.J., Walker, E.F. Fatigue crack growth retardation following load reductions in a plain C-Mn steel 9—70141

Druckmann, S., Samuni, A., Ottolenghi, M. Dynamics of pH-induced spectral changes in bacteriorhodopsin 9—57587

Druet, S.A.J., Taran, J.-P.E., Borde, Ch.J. Line shape and Doppler broadening in resonant CARS and related nonlinear processes through a diagrammatic approach 9—94002

Druetta, M. *see* Ceyzeriat, P. 9—59422

Druetta, M. *see* Knystautas, E.J. 9—59389

Drufuca, G., Rogers, R.R. Statistics of rainfall over paths from 1 to 50 km 9—70827

Drugachenok, M.A., Gol'tsev, V.P. Nonequilibrium dynamic sorption of a radioactive substance 9—61907

Druger, S.D. *see* Kerker, M. 9—64177

Druger, S.D. *see* McNulty, P.J. 9—76587

Druilhet, A., Guedalia, D., Fontan, J. Some characteristics of turbulence in the planetary boundary layer 9—66749

Druin, V.A., Bochev, B., Lobanov, Yu.V., Sagaydak, R.N., Kharitonov, Yu.P., Tretyakov, A.P., Gulbekyan, G.G., Buklanov, G.V., Erin, E.A., Kosyakov, V.N., Rykov, A.G. On spontaneous fission of heavy isotopes of nielsbohrium (Z=105) and of the 106 element 9—59101

Druinskii, E.I. *see* Bar'yakhtar, V.G. 9—95584

Drukarev, E.G. *see* Vitushkin, L.F. 9—54815

Drulis, H. *see* Suleymanov, N.M. 9—87608

Drulis, M., Bieganski, Z. Low-temperature specific heats of cerium and praseodymium trihydrides. Second-order phase transitions and crystal field splitting effects 9—82355

Drulis, M. *see* Biegnaski, Z. 9—87279

Drullinger, R.E. *see* Walls, F.L. 9—54102

Drum, D.E. Optimizing the clinical value of hepatic scintiphotography 9—88169

Drumheller, D.S., Bedford, A. A theory of bubbly liquids 9—90067

Drumheller, D.S., Bedford, A. On the mechanics and thermodynamics of fluid mixtures 9—93084

Drummond, D.L. *see* Benedict, R.P. 9—64027

Drummond, D.L. *see* Hamil, R.A. 9—55119

Drummond, I.T. Conformally invariant amplitudes and field theory in a spacetime of constant curvature 9—49395

Drummond, I.T., Shore, G.M. Conformal anomalies for interacting scalar fields in curved spacetime 9—49396

Drummond, I.W. *see* Alford, N.A. 9—92043

Drummond, I.W. *see* Bance, U.R. 9—63259

Drummond, J.E. A tensor theory of gravitation in a curved metric on a flat background 9—75426

Drummond, J.W. *see* McFarland, M. 9—100893

Drummond, P.D. *see* Walls, D.F. 9—80559

Drummond, W.E. A high current, steady state auto-resonant accelerator 9—49879

Drummond, W.S., Roth, S.A. Applications of high performance SAW transversal filters in a precision measurement instrument 9—49258

Drunen, G.Van *see* Van Drunen, G.

Druon, C. *see* Lippens, D. 9—91336

Drury, J. Ultrasonic sizing of defects, a lighthearted look at the problem 9—83402

Drury, M.J. Electrical resistivity sounding as a technique for studying crustal dilatancy prior to earthquakes 9—92609

Drushchits, A.V. *see* Berzina, I.G. 9—74477

Druyan, L.M., Sant, Y. Objective 12 h precipitation forecasts using a single radiosonde 9—88397

Druyanov, B.A. Propagation of a deformation in hardening rigid-plastic bodies 9—86356

Druzhinin, L.K., Novoselov, G.P., Borisov, G.B., Safronov, B.V., Sadovskii, A.B., Komarov, E.V. Thermocentrifugal method of opening fuel elements 9—76093

Druzhinin, V.V. *see* Starodubtsev, Yu.N. 9—91250, 9—91709, 9—100284

Druzhinina, T.V., Volkov, S.D. Calculating the stress in components of composite materials with an anisotropic structure 9—52291
Dryakhlushin, V.F., Romanov, Yu.A. Nonlinear transmission and reflection of an electromagnetic wave incident on a plasma layer located in a longitudinal electric field 9—82069
Dryakhlushin, V.F. *see* Romanov, Yu.A. 9—55508
Dryden, R.J. A technique for illuminating early chick embryos in ovo with a glass rod as a light guide 9—84042
Dryer, M., Maxwell, A. Radio data and a theoretical model for the fast-mode MHD shock wave generated by the solar flare of 1973 September 5, 18:26 UT 9—92734
Dryer, M. *see* Metzler, N. 9—92643
Drys, M. *see* Sosnowski, J. 9—56351, 9—87181
Dryuchenko, A.K. *see* Levenberg, L.I. 9—100318
Drzazga, M. A new self-consistent method to solve the SBO Green's function equations 9—99492
Drzazga, Z., Krok, J., Broda, H., Chelkowski, A. The structural and some magnetic properties of intermetallic compounds $HoCo_{5-x}Me_x$, where Me=Ni, Cu 9—82817
Drzesik, D., Vlad, C.M. The influence of various strain- and stress-ratios upon the change of preferred orientations during the pressing of low carbon deep drawing sheet steels 9—91690
Drzewiecki, J., Maczenski, Z., Rogowski, J. A device for magnetic disaccommodation measurement and registration 9—93180
Drzymala, A., Herba, H. Viscosity coefficient measurements in cholesteric liquid crystals 9—77791
Du, P.Le *see* Le Du, P.
Du Bailler, A.Teste *see* Teste Du Bailler, A.
Du Boulay, G.H. *see* Ladurner, G. 9—53212
Du Jin-lin *see* Chao Bo-lin 9—80188
du Marchie van Voorthuysen, E.H. *see* Siwek-Wilczynska, K. 9—71862
du Penhoat, Y., Salomon, J.C. Numerical simulation of estuarine turbidity maximum. Application to the Gironde estuary 9—79869
du Plessis, P.de V., Tilwick, D.L. Elastic constants of single crystal uranium monosulphide 9—77666
du Vachat, R. *see* Andre, J.C. 9—58024
Du Yih Tsai *see* Uchida, S. 9—100712
Duan Fong *see* Fong Duan
Duan Wan-ti, Wu Xi-hao, Pu Qing-yu, Qian Fang The research of quaternary glaciations along the Qinghai-Xizang Highway 9—92538
Duan Xing-Bei, Li Ping-Yi A method for reduction of magnetic anomaly (ΔZ) to the magnetic pole 9—100963
Duanyishi, Ge Molin On gauge theory 9—63338
Duarte, J.A.M.S. Site and bond percolation distributions: a survey of perimeters for all values of p 9—93046
Duba, A.G. *see* Lytle, R.J. 9—67345
Duba, A.G. *see* Shankland, T.J. 9—79818
Dubach, J.F., Moniz, E.J., Nixon, G.D. Dynamical polarization in pionic atoms 9—94113
Duban, M.C. *see* Kernevez, J.P. 9—62173
DuBard, J.L. *see* Holt, R.S. 9—91520
Dubas, M. *see* Schumann, W. 9—86140
Dubasov, B.G., Mymrikov, V.V., Sereda, G.E., Trokhachev, G.V. Measurement of the energy loss in superconducting magnets 9—71489
Dubberley, A.E. *see* Wang, J.C.F. 9—59148
Dubbey, J.M. The development of an M.Sc course in mathematical education 9—80384
Dube, D.C. *see* Natarajan, R. 9—65784
Dube, L., Herzenberg, A. Absolute cross section from the 'boomerang model' for resonant electron-molecule scattering 9—89798
Dube, R. *see* Badier, J. 9—93460
Dube, R.K., Chattejee, S.N. The crustal structure of the Hindukush region 9—96752
Dube, R.R., Wickes, W.C., Wilkinson, D.T. Upper limit on the extragalactic background light 9—101225
Dube, S.N., Sharma, C.L. Exact solution of the transient forced convection energy equation for timewise variation of inlet temperature in a circular pipe 9—50798
Dube, S.N. *see* Banerjee, M.B. 9—77267
Dubertret, A. *see* Le Lann, A. 9—51119
Dubes, R., Jain, A.K., Tosi, O.I. Speaker recognition studies on choral speech 9—98565
Dubet, D., Rouxel, M. Differential photometer controlled by a microprocessor 9—58253
Dubetsky, B.Ya. The SRS line-shaped nonlinear resonance in consideration of flight effects 9—72624
Dubey, G.C., Purohit, R.K., Trigunayat, G.C. AC conductivity of composite dielectric films of SiO and B_2O_3 9—51703
Dubey, G.K., Srivastava, D.N., Singh, B.M. The solution of quadrupole trigonometrical integral equations and their application to a crack problem 9—72852
Dubey, G.K. *see* Gupta, M. 9—86431
Dubey, G.S., Chaturvedi, D.K., Bansal, R. Calculation of the longitudinal current spectra of liquid aluminium 9—82143
Dubey, K.S. Analysis of lattice thermal conductivity of GaAs at high temperatures 9—90838
Dubey, K.S. *see* Boghossian, H. 9—90836
Dubey, M. *see* Coty, U. 9—61941
Dubey, P. *see* Pandey, J.D. 9—82131
Dubey, R.C., Kothari, H.S., Marathe, B.R. A new fabrication process for single crystal silicon solar cells 9—61977
Dubey, R.C., Tripathi, B.M. First overtone line of CO and average facula models 9—80291
Dubey, R.K., Sharma, R.G. A note on the flow ofviscoelastic fluids through a rectilinear pipe having its cross-section as a parallelogram with pressure gradient as any function of time 9—68760
Dubey, R.K., Sharma, R.G. A note on the steady laminar flow of a viscous incompressible fluid through a tube whose cross section is formed by the intersection of two circles 9—90331
Dubey, S.K.D. On Kaehlerian S-recurrent spaces with Bochner curvature tensor 9—75415
Dubi, A. On the analysis of the variance in Monte Carlo calculations 9—93079
Dubi, A., Dudziak, D.J. An optimization method for exponential biasing in Monte Carlo calculations 9—54080
Dubi, A., Gerstl, S.A.W., Dudziak, D.J. A Monte Carlo method for deep-penetration shielding problems based on contribution theory 9—59283
Dubi, A., Horowitz, Y.S., Rief, H. Calculation of the total flux at a point by the Monte Carlo track rotation estimator 9—71385
Dubicki, A. *see* Badziak, J. 9—50872
Dubiel, S.M., Korgul, P. Influence of dislocations on the Mossbauer spectrum linewidth 9—99806
Dubiel, S.M., Wrzesniewska, T., Gorczyca, S. A study of the influence of a deformation on a shape of the Mossbauer spectrum of iron-chromium alloys 9—61272
Dubik, A. Analysis of the possibility of raising the power density in the focus of a focusing system 9—50335
Dubik, A., Firak, J. Analysis of propagation and focusing of elliptical Gaussian beam 9—50873
Dubik, A., Jach, K., Owsik, J. Radiation diffraction on sharp and profiled diaphragms in high-power laser system. Theory and experiment 9—90431
Dubik, A., Kielesinski, M. Determination of characteristics of laser-radiation distribution in the vicinity of focus 9—50871
Dubik, A. *see* Kaliski, S. 9—94276
Dubillot, J. *see* d'Auzac, G. 9—53012
Dubin, R.R., Powers, R.W., Story, H.S., Bailey, W.C. NMR study of sodium oxide enriched beta-alumina 9—61240
Dubini, B. *see* Albertini, G. 9—95136
Dubinin, E.L. *see* Demidovich, O.V. 9—69272
Dubinin, E.M., Israilevich, P.L., Podgornyi, I.M., Shkol'nikova, S.I. Ray structure and electrodynamical forces in the type I comet tails 9—101119
Dubinin, E.M., Podgornyi, I.M., Potanin, Yu.N. Experimental proof of the existence of open and closed models of the magnetosphere. II 9—62674
Dubinin, E.M. *see* Podgorny, I.M. 9—62793
Dubinin, G.N. Effect of chemicothermal treatment on the structure and energy of the surface of metals and the bulk properties 9—96207
Dubinin, S.F., Teplouchov, S.G., Sidorov, S.K. Atomic structure of the Invar Fe-Ni alloys 9—94964
Dubinskii, Yu. *see* Ilenchik, I. 9—84598
Dubinsky, B.A., Yurovskaya, L.I., Larragoiti, L.A., Jaskovich, B., del Pozo, E., Alvarez, O. Observations at a wavelength of 1.37 m with a radiotelescope 9—96909
Dubinsky, J. *see* Ilencik, J. 9—66894
Dubinsky, J. *see* Somogy, A. 9—80173
Dubitskii, L.G., Rozin'kov, N.S. Use of Fourier holograms for determining the degree of flawing of welded and soldered seams in the cases of integrated circuits 9—52580
Dubler, T. Method for fast and accurate computation of vacuum polarisation potentials of order $\alpha(Z\alpha)$ 9—85248
Dubley, B.L., Lakshmi, Das, I., Tiwari, B.N. Magnetic susceptibility and electrical transport in cobalt molybdate 9—56511
Dubnik, Z.E. *see* Fetisov, V.B. 9—51475
Dubnishchev, Yu.N., Vasilenko, Yu.G., Sobolev, V.S., Koronkevich, V.P., Stolpovsky, A.A., Zhilevsky, A.I., Utkin, E.N., Feistauer, N., Krieg, W., Amon, G. LADO 1 laser Doppler flowmeter 9—77305
Dubochet, J., Noll, M. Nucleosome arcs and helices 9—62182
Dubois, C. *see* Meyer, M. 9—60395
DuBois, D.L. *see* Eaton, S.S. 9—51858
Dubois, I. *see* Houbrechts, Y. 9—72331
Dubois, J. *see* Christiansson, J.E. 9—49599
Dubois, J. *see* Treheux, D. 9—60542
Dubois, J.C. Liquid crystals in piles 9—90549
Dubois, J.C. *see* Beguin, A. 9—86679, 9—86680
Dubois, J.C. *see* Tinh, N.H. 9—90535, 9—90536
Dubois, J.C. *see* Zann, A. 9—91337
Dubois, J.-E. *see* Ancian, B. 9—95661
Dubois, J.M. *see* Le Caer, G. 9—99804
Dubois, L.H. *see* Kesmodel, L.L. 9—57291
Dubois, M. *see* Berge, P. 9—98839
Dubois, M. *see* Wesfreid, J. 9—55374
Dubois, P. SOLPAC: a total concept in energy conservation for housing 9—100488
Dubois, P. *see* Vie, M.C. 9—57765
Dubois, R. *see* Greeniaus, L.G. 9—75961
Dubois-Violette, E., Rothen, F. Non linearities close to the thermal threshold in a planar nematic liquid crystal 9—99058
Dubois-Violette, M., Georgelin, Y. Gauge theory in terms of projector valued fields 9—49379
Dubolazov, I.A. *see* Dod', I.I. 9—67275
Dubosclard, G. *see* Van Grunderbeeck, P. 9—66763
DuBose, J.B., Naugle, D.G. Specific heat of bulk-like NiO powder from 14 to 280K 9—69260
Duboshinskii, Ya.B. *see* Vainshtein, L.A. 9—53970
Dubost, G., Rabbaa, A. Electromagnetic coupling between two short-circuited flat dipoles 9—81320
Dubost, H., Charneau, R. Role of vibrational energy migration upon $V \rightarrow V$ transfer in matrix isolated CO 9—91486
Dubots, P. *see* Maldy, J. 9—73649
Dubout, P. *see* Davy, J.L. 9—90080, 9—94403
Dubov, B.S., Maskaev, V.K., Neimark, N.I., Spiridonov, E.I., Turovskii, V.A., Yagodkin, I.A. Automatic-loading piston transducers for absolute and gage pressures 9—67286
Dubovenko, A.F. *see* Volkova, V.V. 9—100358
Dubovik, M.F. *see* Bezdetnyi, N.M. 9—99843
Dubovik, M.F. *see* Bush, A.A. 9—51913
Dubovitskaya, N.V., Zakharov, S.M. The influence of certain factors on the fracture of chromium under electro-spark action 9—87719
Dubovitskaya, N.V., Zakharov, S.M., Larikov, L.N. Investigation into structural changes in single crystals of vanadium under action of single electrical-impulse discharge 9—65086
Dubovitskaya, N.V., Zakharov, S.M., Larikov, L.N. Influence of polymorphism on failure of iron and iron alloys accompanying electrosparking action 9—74236
Dubovitskaya, N.V. *see* Borimskaya, S.T. 9—100210
Dubovitskaya, N.V. *see* Bormiskaya, S.T. 9—91663
Dubovitskaya, N.V. *see* Gurevich, M.E. 9—52251
Dubovskii, B.G. *see* Bondarenko, V.V. 9—97834
Dubovskii, O.A. Influence of nondiagonal disorder on the superconducting transition temperature of alloys 9—73622
Dubovskii, O.A. *see* Agranovich, V.M. 9—69438
Dubovsky, E.V. *see* Goldenberg, D.J. 9—100719
Dubovtsev, I.A., Filippova, N.P. Mossbauer investigation of electromagnetic excitation of sound in paramagnetic metals 9—99794
Dubovtsev, I.A., Filippova, N.P. Mossbauer investigation of electromagnetic excitation of sound in multilayer metal films 9—99795
Dubow, J. *see* Nottenburg, R. 9—63271
DuBow, J. *see* Nottenburg, R.N. 9—99367
DuBow, J. *see* Rajeshwar, K. 9—52941, 9—100479
Dubow, J. *see* Shewchun, J. 9—83596
DuBow, J. *see* Wang, Y. 9—79817
DuBow, J.B., Shewchun, J., Wilmsen, C., Duff, W.S. Potential for low cost, high efficiency solar cells using indium tin oxide on semiconductor (OSOS) solar cells 9—61980
Dubreuil, B. *see* Pignolet, P. 9—98036
Dubrovin, A.V., Dubrovskiy, I.S. Investigations of natural circulation of water in boiling water reactors on hydrodynamic models 9—93684
Dubrovin, A.V. *see* Alekseevskii, N.E. 9—63280
Dubrovin, V.M. *see* Ivanov-Kholodny, G.S. 9—96939
Dubrovin, V.Yu., Kivshik, A.F. Measurement of the spatial distribution of the induction of a nonsteady magnetic field 9—67355
Dubrovina, A.N. *see* Gorelik, S.S. 9—52199, 9—52230, 9—96038
Dubrovina, A.N. *see* Plyusnin, A.B. 9—55692
Dubrovina, G.I. *see* Volkov, S.D. 9—57117
Dubrovkin, I.M., Sagdeev, R.S., Sobolev, A.S. Quantitative analysis by differentiated UV spectra obtained using an RC device 9—87901
Dubrovkin, I.M., Zubarev, S.V. Differentiation of IR spectra using Fourier transforms 9—67397
Dubrovskaya, L.B., Nazarova, S.Z. Magnetic susceptibilities of solid solutions of titanium and vanadium monocarbides 9—51739
Dubrovskaya, L.I., Komarovskii, L.V. Axisymmetric nonstationary flow around an obstacle in a cylindrical tube 9—77169
Dubrovskii, E.V. Intensification of convective heat exchange for plate-fin heat-exchange surfaces 9—81691
Dubrovskii, E.V., Dreitser, G.A. Method of experimental determination of the coefficients of hydraulic resistance and of total pressure drop at the inlet and the outlet in compact laminated fin heat-exchanger systems 9—58683
Dubrovskii, G.V. *see* Sumetskii, M.Yu. 9—58588
Dubrovskii, L.A. *see* Ismanzhanov, A. 9—94319
Dubrovskii, Yu.V. *see* Bogomolov, G.D. 9—67384, 9—68141, 9—89014
Dubrovskiy, G.V., Bogdanov, A.V. A general quasi-classical approximation of the T-operator in angle-action variables 9—50134

Dubrovskiy, G.V., Fischer-Hjalmars, I. Resonant scattering of heavy particles in the pseudo-crossing problem 9−49412
Dubrovskiy, I.S. *see* Dubrovin, A.V. 9−93684
Dubrulle, A. *see* Bauer, A. 9−76411
Dubs, M., Gunthard, Hs.H. IR hole burning and line shape of matrix isolated 1,2-difluoroethane with tunable diode lasers 9−76425
Dubuisson, B. *see* Lavison, P. 9−81044
Dubyanskii, V.A. *see* Burtsev, V.A. 9−55597, 9−64950
Dubyetskii, B.Ya. *see* Baklanov, E.V. 9−50274
Dubynin, A.I. *see* Aksel'rud, G.A. 9−83443
Duc, H.Do *see* Do Duc, H.
Duc, T.M., Guillot, C., Lassailly, Y., Lecante, J., Jugnet, Y., Vedrine, J.C. Direct observation of 4f splitting between (110) surface and bulk atoms of W 9−100020
Duc Bui Minh *see* Bui Minh Duc
Duc Hguyen Huu *see* Hguyen Huu Duc
Ducar, R.J., Tomasko, T.M., Winterowd, L.A. A CAMAC based high-resolution repetitive waveform generator 9−76214
Ducarroir, M. *see* Bernard, C. 9−96295
Ducas, T.W. *see* Jako, G.J. 9−79604
Ducat, G.A. *see* Beck, C.L. 9−67834
Ducati, J.R. *see* Strauss, F.M. 9−62888
Duce, R.A. *see* Maenhaut, W. 9−79937
Duce, R.A. *see* Wallace, G.T., Jr. 9−57940
Duce, R.A. *see* Walsh, P.R. 9−70486, 9−70487
Duchardt, D., Neighbor, J.E., Shiffman, C.A. Calculation of the Radiofrequency size effect in complex metals. I. Mean free path dependence of the resonance strength for diffuse or specular surface scattering 9−56202
Duchastel, P.C. Illustrating instructional texts 9−48990
Duchek, J.R., Huebner, J.S. Voltage transients from photo-isomerizing azo dye in bilayer membranes 9−92166
Duchemin, J.P., Bonnet, M., Koelsch, F., Huyghe, D. A new method for growing GaAs epilayers by low pressure organometallics 9−100054
Duchene, J. *see* Brecy, J.P. 9−76113
Duchiewicz, J. Hall-effect monitor of magnetic field 9−85130
Duchossois, G. Potential European climatological satellite missions: SEOCS and BIRAMIS 9−70886
Duchowicz, R. *see* Gallardo, M. 9−81448
Duchs, D.F. Present status of Tokamak transport codes 9−98874
Duchs, D.F. Neutral atoms in transport codes for Tokamak plasmas 9−98875
Duck, I. Pion production in pp collisions 9−85336
Duck, I.M. *see* Hoftiezer, J.H. 9−85509
Duck, I.M. *see* Pipin, G.P. 9−85316
Duck, P.W. Flow induced by a torsionally oscillating wavy cylinder 9−64772
Duck, P.W., Smith, F.T. Steady streaming induced between oscillating cylinders 9−50711
Duckett, J.A., Smithson, T.L., Wieser, H. 1,3-benzodioxole: far-infrared spectrum 50-500 cm^{-1} 9−76427
Duckstein, L. *see* Castano, E. 9−53392
Duckwitz-Peterlein, G., Moraal, H. Transport of lipids through water as exchange mechanism between two liposome populations 9−62203
Duckworth, C.N. *see* Robbins, D.J. 9−61443
Duckworth, K. *see* Saydam, A.S. 9−58107
Duckworth, W.H., Rosenfield, A.R., Gulati, S.T., Rieger, R.A., Hoekstra, K.E. Basic principles of lens fracture testing 9−96233
Ducros, Y. *see* Fujisaki, M. 9−49542, 9−63521
Ducruix, J. *see* Courtillot, V. 9−53579
Duczmal, M. *see* Apostoluk, W. 9−91204
Duda, E., Carballes, J.-C., Apruzzese, J. Thermal resistance and temperature distribution in double-heterostructure lasers: calculations and experimental results 9−98368
Duda, J.L. *see* Vrentas, J.S. 9−90807
Duda, R.F. The impact of all remote requirements on the layout of a recycle fuels plant 9−89481
Duda, S.J. *see* Bath, M. 9−53320
Dudarev, E.F., Turovets, L.A., Ovcharenko, V.E., Bakach, G.P., Tregubov, V.F. Change in structure and strength of carbon fibres at high annealing temperatures for nickel-based composition materials 9−66076
Dudarev, E.F. *see* Gyunter, V.E. 9−61652
Dudarev, E.F. *see* Rudchenko, V.V. 9−90726
Dudarev, I.A. *see* Gaisenok, V.A. 9−56833
Dudarev, V.Ya. *see* Treushnikov, E.N. 9−90595
Dudas, A.J. *see* Lebacqz, J.V. 9−68086
Dudchenko, A.A., Elpat'evskii, A.N. Determination of loads and stresses in composite material layers for a plate in the plane stress state 9−94570
Dudderar, T.D., Doerries, E.M. Application of holographic interferometry to real-time studies of heat effects in multilayer circuit boards 9−91873
Dudek, J. Yrast traps in fast rotating nuclei 9−71786
Dudek, J., Majhofer, A., Skalski, J., Werner, T., Cwiok, S., Nazarewicz, W. Parameters of the deformed Woods-Saxon potential outside A=110-210 nuclei 9−97673
Dudek, J. *see* Czyzewski, T. 9−67784
Dudek, J.-C. Excitation of surface plasma oscillations by light in multilayer structures: reflection coefficient and local energy repartition 9−69606
Dudelzak, B. *see* Cosme, G. 9−58968
Dudenkov, A.V., Senokosov, E.A., Skorbun, S.D., Popov, Yu.M., Usatyi, A.N., Tsaran, V.M. Stimulated emission of polycrystalline ZnSe and ZnTe films grown on oriented sapphire substrates 9−78708
Duder, J.C., Sosnowski, M., Melnik, D. Proton-deuteron analyzing power at 14.1 MeV 9−71831
Duder, J.C., Sosnowski, M., Melnik, D. Comparison of predictions for $^2H(n,n)^2H$ 9−85445
Duder, J.C. *see* Brock, J.E. 9−71832, 9−85851
Dudermel, M.T. *see* Koniuta, A. 9−94750
Duderstadt, J.J., Martin, W.R. Transport theory 9−63176
Dudici-Ruscior, M. *see* Gavrilas, N. 9−68964
Dudin, V.E. *see* Grachev, A.A. 9−100968
Dudinov, V.N., Erokhin, V.N., Kuz'menkov, S.G., Rylov, V.S., Tsvetkova, V.S., Shabanov, M.F. Measuring of angular diameters of stars by LAT 9−96925
Dudkevich, V.P. *see* Kuleshov, V.V. 9−55835
Dudkevich, V.P. *see* Margolin, A.M. 9−69781
Dudkin, K.N., Gauzel'man, V.Ye., Glezer, V.D., Shcherbach, T.A. Tuning of the receptive fields of the visual cortex of the cat to definite bands of spatial frequencies in definite ranges of the speeds of movement of the stimulating lattices 9−57646
Dudkin, L.D. *see* Dmitrieva, A.K. 9−51569
Dudkin, L.D. *see* Gaidukova, V.S. 9−52178
Dudkin, L.D. *see* Sokolova, V.M. 9−87998
Dudkin, V.A., Rukhin, V.B. Chemical CW CO laser with a mixture of air and carbon disulfide 9−72594
Dudkin, V.A. *see* Cheremskoi, P.G. 9−60646
Dudko, D.Ya., Emets', Yu.P., Repa, I.I. Equilibrium compositions of neutral and charged components of H_2-O_2 mixture below temperature of 6000K 9−50571
Dudley, G.J., Steele, B.C.H. Mixed conductivity in $LiFe_5O_8$ 9−60877
Dudley, G.J. *see* von Alpen, U. 9−55922
Dudnik, E.F., Akimov, S.V. Acoustooptic properties of single crystals of lead orthophosphate and its solid solutions 9−69809
Dudnik, E.F. *see* Kostov, M.K. 9−82942
Dudnik, E.F. *see* Sinyakov, E.V. 9−56748
Dudnik, S.N. *see* Rauzen, F.V. 9−71926
Dudnikov, A.A. *see* Kuz'minov, V.V. 9−59128, 9−97750
Dudnikov, V.G. Automatic control system for the MEP-2 modulator of the 'Crion' ion source 9−72173
Dudnikov, Yu.A., Rozhkov, B.K. Selecting the parameters of the lens-array photographing system in integral photography 9−49317
Dudnikova, V.B., Kugaenko, O.M., Lebedeva, V.N., Rozin, K.M., Shaskol'skaya, M.P. Phase diagram of the system KCl:Pb at low Pb concentrations 9−96008
Dudnikova, V.B. *see* Airapetov, A.Sh. 9−96030
Dudonis, J., Jotautis, A., Meilus, O., Meskauskas, A., Pranevicius, L. The influence of ion bombardments during condensation on the properties of vacuum-deposited thin films 9−82483
Dudowicz, J. Chemical equilibrium laws in a lattice model of dilute associated solutions 9−82139
Dudowicz, J., Stecki, J., Poniewierski, A. Association constants of methanol in lattice models 9−82141
Dudziak, D.J., Woodruff, G.L. Nucleonic analysis of fusion blankets for synthetic fuel production 9−85802
Dudziak, D.J. *see* Dubi, A. 9−54080, 9−59283
Dudzinski, T. *see* Gauntner, D.J. 9−58010
Dueholm, B. *see* Bindslev Hansen, J. 9−91186
Dueholm, B. *see* Mygind, J. 9−56439, 9−95547
Dueholm, B. *see* Pedersen, N.F. 9−65610
Dueholm, B. *see* Soerensen, O.H. 9−78266
Duelm, A.J. *see* Taboada, J. 9−80675
Duerbeck, H.W., Seitter, W.C. Colour behaviour and physical characteristics of the novae V1500 Cyg, HR Del, FH Ser, LV Vul, and NQ Vul. I. Derivation and application of the two-colour method 9−71042
Duerbeck, H.W., Surdej, A., Surdej, J. Period and spectroscopic orbit of TU Hor 9−58372
Duerinckx, A.J., Macovski, A. Classification of artifacts in X-ray CT images due to nonlinear shadows 9−66539
Duerksen, K.D. *see* Hoffman, J.H. 9−88563
Duesbery, M.S. *see* Taylor, R. 9−60820
Duewer, W.H. *see* Chang, J.S. 9−70848
Dufailly, J. *see* Lemaitre, J. 9−90182
Duff, A.D. *see* Kuo-Nan Liou 9−58047
Duff, B.A. Peaked thermomagnetic curves for hematite-bearing rocks and concentrates 9−79824
Duff, J.Le *see* Le Duff, J.
Duff, M.J., Isham, C.J. Self-duality, helicity, and supersymmetry: the scattering of light by light 9−93327
Duff, M.J. *see* Christensen, S.M. 9−75429, 9−75432
Duff, W.S., Leflar, J.A. Simulation and design of evacuated tubular solar residential air conditioning systems and comparison with actual performance 9−61949
Duff, W.S. *see* DuBow, J.B. 9−61980
Duff, W.S. *see* Lameiro, G.F. 9−61950, 9−74501
Duff, W.S. *see* Shaner, W.W. 9−70435
Duff, W.S. *see* Ward, D.S. 9−62135
Duff, Y.le *see* le Duff, Y.
Duff, Y.Le *see* Le Duff, Y.
Duffaud, J.A. *see* Balbi, J.H. 9−55299
Duffey, D., Beck, W.L., Gleason, G.I., Wiggins, P.F. Evaluation of dosimetry film by neutron activation and X-ray fluorescence 9−63820
Duffey, D., Cox, S.A., Herzenberg, C.L., O'Fallon, N.M., Wiggins, P.F. Coal analytical assembly using capture gamma rays from accelerator neutrons 9−96401
Duffey, J.R. *see* Kirby, R.D. 9−67312
Duffey, R.B. Some basic research needs related to LWR and FBR safety 9−49711
Duffey, R.B., Falotico, R.N., Oehlberg, R.N., Sun, K.H. Theoretical considerations of PWR reflood 9−89425
Duffield, J., Gilmore, G.R. An optimum method for the determination of rare earth elements by neutron activation analysis [of rocks] 9−88491
Duffin, P. *see* Bourdillon, P.J. 9−92318
Duffin, P. *see* Kilpatrick, D. 9−83987
Duffin, R.J. *see* McWhirter, J.H. 9−68344
Duffy, B.R. *see* Oldroyd, J.G. 9−60012
Duffy, D.G. The stability of a nonlinear, finite-amplitude, neutrally stable Eady wave 9−53449
Duffy, J.A. *see* Bach, H. 9−51318
Duffy, J.S. *see* Das-Gupta, D.K. 9−56737
Duffy, K., Lim, T.K. Mixed and fermionic helium trimers 9−72377
Duffy, K. *see* Lim, T.K. 9−63612, 9−72378
Duffy, M.C. General relativity and the modified vortex-sponge 9−88848
Duffy, M.T. The preparation and properties of heteroepitaxial III-V and II-VI compounds for surface acoustic wave and electrooptic devices 9−83134
Duflot, R. On image tube spectrophotometry of weak emission lines 9−88601
Dufner, D.C. *see* Kingcade, J.E., Jr. 9−70360
Dufour, L. Meteorological events of the sixteenth century from the journals of Pierre de l'Estoile 9−58510
Dufour, R.J., Van Den Bergh, S. The structure and evolution of NGC 5128 9−53913
Dufour, R.J., van den Bergh, S., Harvel, C.A., Martins, D.H., Schiffer, F.H., III, Talbot, R.J., Jr., Talent, D.L., Wells, D.C. Picture processing analysis of the optical structure of NGC 5128 (Centaurus A) 9−53907
Dufresne, D. *see* Autric, M. 9−73021
Dufresne, J.F. *see* Ritchie, I.G. 9−57041
Dufton, P.L. *see* Berrington, K.A. 9−50136
Dufton, P.L. *see* McKeith, C.D. 9−62749
Dufty, J.W., Gubbins, K.E. The self-diffusion coefficient for a square well fluid 9−77326
Dufty, J.W., Lindenfeld, M.J. Nonlinear transport in the Boltzmann limit 9−63173
Dufty, J.W. *see* Boercker, D.B. 9−71358
Dugaev, V.K., Volkov, V.L., Litvinov, V.I., Tovstyuk, K.D. Ferroelectric phase transition in semiconductors with inverted band spectrum 9−61319
Duga'ev, V.K. *see* Litvinov, V.I. 9−95568
Dugan, J.P. *see* Emery, W.J. 9−98529
Dugan, R.J., Morgenthaler, L.N., Daubach, R.O., Eyler, J.R. Digital, synchronously timed control system for pulsed ion cyclotron resonance mass spectrometery 9−71560
Dugay, G. *see* Bieth, C. 9−72118
Dugay, M. *see* Roustan, J. 9−65353
Dugdale, D.S. Non-linear vibration of a centrally clamped rotating disc 9−59938
Dugdale, R.A., Coad, J.P. Sputter ion plating 9−83142
Duggan, C., Filippone, W.L., Martin, J.G. Impact of solar energy utilization on optimum plant mixes 9−87977
Duggan, F., Goddard, A.J.H. The burn-up characteristics of individual actinide isotopes with a view to nuclear incineration 9−85706
Duggan, F. *see* Di Toro, M. 9−97674
Duggan, G., Morgan, G.J., Lettington, A. The effective screening function in Si, Ge, and GaAs and the effects of exchange 9−99494
Duggan, J.L. *see* Button, T.M. 9−49975
Duggan, J.L. *see* McDaniel, F.D. 9−69907
Duggan, J.L. *see* Mehta, R. 9−59549
Dugin, N.A. *see* Petlitsa, A.P. 9−76074
Duglav, A.V. *see* Al'tshulev, S.A. 9−78539
Dugnoille, B., Pilatte, A. Determination of the critical magnetic field in type I superconducting films of weak kappa 9−60999
Duguay, M.A., Aumiller, G.D. Transmission of 3-D images by means of lens guides 9−76789

Dugue, J., Carre, D., Guittard, M. Structural study of cerium (III) and cerium (IV) oxysulphurs. II. Crystal structure of cerium oxysulphur $Ce_6O_6S_4$ 9−73139
Duguid, J.O. *see* Means, J.L. 9−66422
Dugundji, J. *see* Chopra, I. 9−81771
Duhaime, M. *see* Allard, P. 9−96715
Duhaj, P. *see* Krempasky, J. 9−65424
Duhaj, P. *see* Zentko, A. 9−61057
Duhamel, G. *see* Buenerd, M. 9−71828
Duhamel, T., Marchal, P. Earth radiation budget: simulation of fluxes and accelerometric measurements 9−84482
Duhau, S., Romanelli, L. Electromagnetic induction at the South American geomagnetic equator as determined from measured ionospheric currents 9−75021
Duhaze, P. *see* Carricaburu, P. 9−53100
Duhn, E.F. *see* Malinowski, D.D. 9−93818
Duhn, E.R., Malinowski, D.D. Steam generator operations in Westinghouse PWRs as influenced by all volatile treatment water chemistry 9−54555
Duine, J.A. *see* de Beer, R. 9−70524
Duinen, R.J.van *see* van Duinen, R.J.
Duinker, P. *see* Barber, D. 9−54289, 9−54346
Duinker, P. *see* Barber, D.P. 9−89175, 9−97631
Dujardin, C. *see* de Wolf, E.A. 9−49543
Dujardin, C. *see* Givernaud, A. 9−75801
Duk Dim Young *see* Young Duk Dim
Duk-In Choi *see* Horton, W., Jr. 9−60141
Dukati, F. Information about and introduction to the international system of measuring units (SI) in Hungary 9−49189
Duke, C.B. Atomic geometry of semiconductor surfaces 9−51399
Duke, C.B., Meyer, R.J., Paton, A., Mark, P., So, E., Yeh, J.-L. Analysis of ELEED intensities from ZnTe(110) 9−86967
Duke, C.B. *see* Meyer, R.J. 9−77462
Duke, C.B. *see* Salaneck, W.R. 9−98150
Duke, C.L., Talbert, W.L., Jr., Wohn, F.K., Halbig, J.K., Nielsen, K.B. Decay of ^{90}Kr 9−67663
Duke, D.W. The importance and use of asymptotic freedom beyond the leading order 9−71721
Duke, D.W., Roberts, R.G. Analysis of nucleon structure function moments from electron and muon data and critical tests of asymptotic freedom 9−54344
Duke, D.W., Roberts, R.G. Analysis of nucleon structure function moments from electron and muon data and critical tests of asymptotic freedom 9−85300
Duke, D.W., Teper, M.J. Lepton pair production: where the simple Drell-Yan picture breaks down 9−93372
Duke, E. *see* Lewis, G.J. 9−58715
Duke, H.R. *see* Ortiz, N.V. 9−84327
Duke, J.C., Jr. *see* Green, R.E., Jr. 9−100326
Duke, P.J. *see* Brown, R.M. 9−71761
Dukhin, A.S. *see* Dukhin, S.S. 9−96317
Dukhin, S.S., Malkin, E.S., Dukhin, A.S. Aperiodic inertial drift of disperse particles in inhomogeneous alternating fields 9−96317
Dukhin, S.S., Ul'berg, Z.R., Nizhnik, Yu.V., Malkin, E.S. Aperiodic electrodiffusiophoretic drift of a charged particle 9−96319
Dukhin, S.S. *see* Abarzhi, I.I. 9−69349
Dukhin, S.S. *see* Deryagin, B.V. 9−56038
Dukhovskoi, E.A., Karapetyan, S.S., Morozov, Yu.G., Onishchenko, A.S., Petinov, V.I., Ponomarev, A.N., Silin, A.A., Stepanov, B.M., Tal'roze, V.L. Electrical conductivity of germanium tribolayers formed at helium temperatures 9−87140
Dukhovyi, I.S., Korzhov, V.P., Shmidt, V.V. Influence of copper on the critical current of diffused layers of the superconducting compound $Nb_3(Al,Ge)$ 9−69643
Dukiet-Zawadzka, B. *see* Ciach, R. 9−56980
Dukiet-Zawadzka, B. *see* Pawlowski, A. 9−78949
Dukova, E.D., Nenov, D.S. Sudden changes in face growth rate 9−55686
Dukovskii, G.V. *see* Sobolev, B.V. 9−69566
Dukowicz, J.K., Ramshaw, J.D. Tensor viscosity method for convection in numerical fluid dynamics 9−72888
Dulach, B. *see* Bassetti, M. 9−68081
Duldig, M.L., Greenhill, J.G., Thomas, R.M., Haynes, R.F., Simons, L.W.J., Murdin, P.G. Radio identifications of 11 X-ray sources at 2 cm 9−53939
Duldig, M.L. *see* Greenhill, J.G. 9−71158
Duldig, M.L. *see* Haynes, R.F. 9−71143
Duley, W.W. Emission lines due to interstellar dust in the visible spectra of nebulae 9−53874
Duley, W.W. *see* Millar, T.J. 9−53879
Dulieu, B., Bonniaud, M.L., Walch, J.P. Natural convection in a rectangular box nearly horizontal and heated from above 9−59976
Dulin, F.V. *see* Pogrebnyak, A.D. 9−91769
Dulin, M.A. *see* Zaitsev, V.I. 9−69109
Dulin, M.N. *see* Kutateladze, S.S. 9−98831
Dulin, V.A. Reactivity coefficient and resonant structure of the value function in a heterogeneous reactor 9−76069
Dulin, V.A., Mozhaev, V.K. Absolute measurement of the neutron-capture rate for ^{238}U and of the fission rate in ^{239}Pu 9−63678
Dulin, V.A. *see* Sidorov, G.I. 9−97737
Dulk, G.A. *see* McLean, D.J. 9−53797
Dulk, G.A. *see* Sheridan, K.V. 9−53796
Dul'kin, I.N. *see* Rubin, I.P. 9−55315
Dul'kova, L.S. *see* Barit, I.Ya. 9−59075, 9−80947
Dul'nev, G.N., Zemskii, V.I., Krynetskii, B.B., Meshkovskii, I.K., Prokhorov, A.M., Stel'makh, O.M. Tunable solid-state laser with a microcomposition matrix active medium 9−64238
Dultz, W., Rehaber, E. A pressure-dependent optical soft mode in calomel (Hg_2Cl_2) 9−55859
Dultz, W. *see* Stock, M. 9−82975
Dulude, R.S. *see* Cutts, D. 9−85346
Duma, D.P. On the rotation of the fundamental coordinate system 9−62727
Duma, M. *see* Magda, M.T. 9−67803
Dumail, M. Production of a negative ^{14}C beam from tantalum carbides 9−76243
Dumais, J.-F. Geometry of the Kepler initial value problem explored with two circles 9−71182
Duman, E.L., Men'shikov, L.I., Smirnov, B.M. Destruction of the hydrogen atom in collisions with multicharged ions 9−50130
Dumas, J., Schlenker, C. Magnetic properties of $(Ti_{1-x}V_x)_2O_3$ ($0<x<1$): spin glass and metallic antiferromagnetism 9−82791
Dumas, J. *see* Bacri, J.C. 9−74429
Dumas, J. *see* Schlenker, C. 9−78337
Dumas, J.P. A volume effect in the metastability of crystalline phases formed on cooling 9−77716
Dumas, P., Ea, N., Niepce, J.C., Watelle, G. The influence of experimental conditions on the size and shape of crystallites produced by a solid state reaction. Case of $Cd(OH)_2$ decomposition into CdO 9−57219
Dumas, P., Steinbrunn, A., Colson, J.-C. First stages of sulphurisation of cobalt oxide (100) by hydrogen sulphide at very low pressure 9−52754
Dumbaugh, W.H. Lead bismuthate glasses 9−74127
Dumbrajs, O. On the π^3He^{3}He coupling 9−63599
Dumbrajs, O. Backward dispersion relations and pion-^{4}He phase-shift analyses 9−63703
Dumbrajs, O. A derivative sum rule and inconsistency in the low-energy π^4He scattering parameterization 9−76037
Dumbrajs, O. Kaon-nucleus scattering and kaon-nuclear coupling constants 9−85418
Dumbrajs, S. *see* Boos, E.G. 9−89203
Dumcke, R., Spohn, H. The proper form of the generator in the weak coupling limit 9−88883
Dumesic, J.A. *see* Baker, R.T.K. 9−83502
Dumitras, D. *see* Alexandrescu, R. 9−59667
Dumitras, D. *see* Avtonomov, V.P. 9−94266
Dumitrescu, A. *see* Popovici, C. 9−86639
Dumitrescu, S., Grigoras, M., Simionescu, C. Studies of vinyl polymers with aromatic substituents. I. The structure of poly(9-vinyl anthracene) 9−98256
Dumitrescu, T., Kadmenskii, S.G., Lomachenkov, I.A., Holan, S., Furman, W.I. Effect of renormalization of the residual interaction on the absolute α-decay widths of spherical nuclei 9−75925
Dumitresku, O. Alpha decay theory 9−49612
Dumitru, D.R. *see* Corciovei, A. 9−87079
Dumkina, G.V. *see* Chentsov, N.N. 9−90120
Dumnov, G.E. Vibrations of a gas in tubes under the action of a periodically varying pressure 9−94718
Dumnov, G.E., Telenin, G.F. Nonlinear wave effects in a closed tube 9−90332
Dumon, B. *see* Berrue, J. 9−50844
Dumon, B. *see* le Duff, Y. 9−98174
Dumon, R. Development of the use of electricity in industrial organic chemicals production 9−96327
Dumont, H. *see* Hellmeister, H.P. 9−80863
Dumont, J.J. *see* Givernaud, A. 9−75801
Dumont, M.N., Remy, F. Experimental determination of the radiative lifetime of the 0, 1, 2, 3 vibrational levels of the $B^2\Sigma^+$ state in CO^+ 9−98157
Dumont, P.-D., Garnir, H.P., Baudinet-Robinet, Y. Production of metallic ion beams from modified radio-frequency ion sources 9−81111
Dumont-Fillon, J., Lacroix, M. Application of ultrasonics to the comparison of the inclusion contents of steels 9−52555
Dumoulin, L. *see* Nedellec, P. 9−56402
Dumoulin, Ph., Foucault, M., Palmier, M., Wayman, M., Biscondi, M., Guttmann, M. Temper brittleness and embrittling intergranular segregates in 20 CND 10-10 type steels. II. Influence of molybdenum 9−91788
Dumoulin, Ph. *see* Lemble, Ph. 9−87722
Dumpich, G., Wassermann, E.F. Nucleation and growth of aluminium films on carbon layers 9−99451
Dumpit, F.M., Brady, J.P. A simple technique for measuring alveolar CO_2 in infants 9−66564
Dun, H., Mattes, B.L., Stevenson, D.A. The gas dynamics of a conical nozzle molecular beam sampling system 9−49330
Dunaev, V.G. *see* Emel'yanov, I.Ya. 9−67896
Dunaev, V.V., Zhiglinskii, A.G., Kuchinskii, V.V. Instrumental profile of an ideal Fabry-Perot interferometer. I 9−54179
Dunaev, V.V., Zhiglinskii, A.G., Presnukhina, I.P., Fafurina, E.N. Probe method for studying the sputtering of alloy components in a plasma 9−55564
Dunaevskii, A.M. *see* Baiburina, S.G. 9−80156, 9−80170
Dunaevskii, S.M. Correlation energy and local exchange-correlation potential of an electron liquid with any spin polarization 9−65399
Dunaevskii, S.M. *see* Gubanov, A.I. 9−82653
Dunavant, D.W. Effective quality assurance for inservice examinations [nuclear plants] 9−97861
Dunayev, N.A. A quantitative analysis of vertical tectonic movements on the Cuban Shelf 9−53333
Dunbar, I.H. *see* Cottingham, W.N. 9−93414
Duncan, B.S., Frankenthal, R.P. Effect of pH on the rate of corrosion of gold in acid sulfate solutions 9−70344
Duncan, C.S. *see* Barnes, J.C. 9−51081
Duncan, D.R., Johnson, G.D., Hunter, C.W. Effects of multiple transients on fast reactor fuel pin cladding mechanical properties 9−89378
Duncan, G., Pynsent, P.B. Dynamics of dark adaptation in the cephalopod retina 9−79541
Duncan, G. *see* Clark, R.B. 9−62245
Duncan, H.A. Energy processing techniques for stress wave emission signals 9−86297
Duncan, H.J. *see* McDonald, C. 9−88024
Duncan, J.A., Standley, K.J., Storey, B.E. Microwave relaxation in polycrystalline garnets at high power levels 9−61231
Duncan, J.L., McKean, D.C., Bruce, A.J. Infrared spectroscopic studies of partially deuterated ethanes and the r_0, r_z, and r_e structures 9−59453
Duncan, J.L. *see* Cradock, S. 9−98096
Duncan, L.J. *see* DeVolpi, A. 9−49776
Duncan, M. *see* Knight, L.B., Jr. 9−76455
Duncan, M.G. *see* Reiley, T.C. 9−57192
Duncan, R.A. Heliograph observations of both fast drift (type III) and continuum (type IV) solar emission from the one source high above the solar limb 9−53798
Duncan, T.M., Brown, R.C. A data acquisition system for airborne meteorological research 9−66808
Duncan, W. *see* Cameron, D.C. 9−82481
Duncan, W. *see* Tsang, W.M. 9−65550
Duncan, W.M., Schreiner, A.F. Surface state study of ion implanted GaAs (Se) from photoreflectance 9−91465
Dundich, M.S. *see* Belotskii, D.P. 9−87617
Dundon, J.M., Reaves, R.D. Internal sublattice fields of antiferromagnetic O_2 as determined by the nuclear heat capacity of ^{17}O 9−95597
Dundua, A.V. *see* Bagdavadze, V.N. 9−69812
Dundurs, J., Comninou, M. Interface separation caused by a plane elastic wave of arbitrary form 9−50643
Dundurs, J. *see* Comninou, M. 9−64595, 9−68624, 9−94542, 9−98519
Dunell, B.A. *see* Beckmann, P. 9−78553
Dunfield, L.G., Burgess, A.W., Scheraga, H.A. Energy parameters in polypeptides. VIII. Empirical potential energy algorithm for the conformational analysis of large molecules 9−50174
Dunfield, V., Shwedyk, E. Digital EMG processor 9−53283
Dunfield, V.A., Shwedyk, E. Performance of a digital EMG processor 9−96712
Dunfield, V.A. *see* Shwedyk, E. 9−96713, 9−96714
Dunford, E. *see* Golton, E. 9−80234
Dung, N.-H. *see* Dogguy-Smiri, L. 9−51061
Dung Sung-Sheng, Ge Huan-Chen, Lo Yong-Lian, Hsu Chao-Yong, Wang Feng-Chi Earthquake prediction on the basis of V_p/V_s variations−a case history 9−57869
Dungan, M.A. *see* Rhodes, J.M. 9−88335
Dungen, J.P.M.van den *see* van den Dungen, J.P.M.
Dungey, J.C., Hui, W.H. Nonlinear energy transfer in a narrow gravity-wave spectrum 9−100873
Dunham, D.W., Mallen, G. The dimensions of (6) Hebe as a result of occultation observations 9−92694
Dunham, E. *see* Elliot, J.L. 9−62791
Dunifer, G.L., Schmidt, P.H., Walsh, W.M., Jr. Intermediate-wavelength cyclotron waves in simple metals and Fermi-liquid effects 9−77986
Dunigan, T.H. *see* Bowers, G.L. 9−89485
Dunin-Barkovskii, V.L., Larionova, N.P. Principles of neuronal organization. III. Informational evaluation of Brindley's scheme 9−53077
Dunina, T.A., Egerev, S.V., Lyamshev, L.M., Naugol'nykh, K.A. Near field of a pulsed thermoacoustic array 9−95083
Dunischev, Yu.N. *see* Vasilenko, Yu.G. 9−75579
Dunitz, J.D. *see* Seiler, P. 9−65063

Dunkel, M. Memories of Wolfgang Gaede on the occasion of the 100th anniversary of his birth 9—67133

Dunkel, W., Zartnack, F. About the durability of artificial blood pumps 9—84026

Dunken, H. Simple quantumchemical treatment of Si_xO_y-clusters 9—89822

Dunkerton, T. On the mean meridional mass motions of the stratosphere and mesosphere 9—88419

Dunkerton, T. On the role of the Kelvin wave in the westerly phase of the semiannual zonal wind oscillation 9—88429

Dunkleberger, L.N. *see* Fulton, T.A. 9—82713

Dunlap, B.D. Isomer shifts in the actinides 9—87362

Dunlap, B.D., Kalvius, G.M. Theory of isomer shifts 9—87348

Dunlap, B.D., Shenoy, G.K., Fradin, F.Y., Kimball, C.W. Electronic properties of Er^{3+} in $ErRh_4B_4$ 9—56651

Dunlap, B.D. *see* Friedt, J.M. 9—78578, 9—95692

Dunlap, B.D. *see* Kimball, C.W. 9—56650

Dunlap, B.D. *see* Shenoy, G.K. 9—73613, 9—87364, 9—87365, 9—87366, 9—87367

Dunlap, B.D. *see* Viccaro, P.J. 9—78579

Dunlap, B.I. *see* Wang, G.-C. 9—60233

Dunlap, H.L. *see* Akutagawa, W. 9—55772

Dunlap, H.L. *see* Anderson, C.L. 9—69139, 9—99540

Dunlap, H.L. *see* Hess, L.D. 9—69373

Dunlap, H.L. *see* Wilson, R.G. 9—55770

Dunlap, R. *see* Gottlieb, A.M. 9—73714

Dunlap, R. *see* Hoffnagle, G.F. 9—79426

Dunlavey, S.J., Dyke, J.M., Fayad, N.K., Jonathan, N., Morris, A. Vacuum ultraviolet photoelectron spectroscopy of transient species. X. The $SH(X^2\Pi i)$ radical and the $S(^3P)$ atom 9—98153

Dunleavy, H.N. *see* Jones, W. 9—82572

Dunlop, A., Lorenzelli, N., Jousset, J.C. Irradiation of iron at 20K by fast neutrons and uranium-235 fission products 9—51159

Dunlop, A. *see* Decker, W. 9—55920

Dunlop, J.S.R. *see* Barley, M.E. 9—57926

Dunlop, P.J. *see* Arora, P.S. 9—50835

Dunmur, D.A., Hunt, D.C., Jessup, N.E. The influence of intermolecular interactions on the Kerr effect in gases. II. Experimental results for spherical top molecules 9—50843

Dunmur, D.A., Jessup, N.E. The influence of intermolecular interactions on the Kerr effect in gases. I. Statistical theory for spherical top molecules 9—50842

Dunmur, D.A., Miller, W.H. Volumetric studies of the homologous series of alkyl-cyano-biphenyl liquid crystals 9—86878

Dunn, B., Shotes, V.L. Behaviour of a sodium-sulfur cell with a dynamic sulfur electrode 9—100515

Dunn, B. *see* Breiter, M.W. 9—96435

Dunn, D.S. *see* Golden, W.G. 9—65852

Dunn, F.E. Fuel pin coolability in low power voiding 9—49661

Dunn, F.E. SAS3D prediction of intrasubassembly boiling incoherence 9—49662

Dunn, G.H. *see* Gregory, D. 9—94087

Dunn, H.W. X-ray diffraction sample holder for radioactive samples or samples that react with air or light 9—80738

Dunn, I.P. *see* Davy, J.L. 9—90080, 9—94403

Dunn, J.W. *see* Vukovich, F.M. 9—79943

Dunn, K.J., Lee, M. The fracture and fatigue of sintered diamond compact 9—52352

Dunn, K.J. *see* Bundy, F.P. 9—99589

Dunn, K.J. *see* Mao, H.K. 9—91888

Dunn, M.A. *see* Rimai, D.S. 9—73239

Dunn, M.G., Stoddard, F.J. Measurement of heat-transfer rate to a gas turbine stator 9—98731

Dunn, P., Walls, J.M. Absorption and phase in-line holgorams: a comparison 9—81384

Dunn, P.J. *see* Smith, D.E. 9—79786

Dunn, T.D. *see* Wakefield, D.J. 9—49735

Dunn, T.S., Williams, J.L. Comparison of cobalt-60 and electron accelerators for radiation sterilization 9—49870

Dunn, W., III *see* Albano, C. 9—52796

Dunn, W.E., Jr. High temperature chlorination of titanium bearing minerals. IV 9—83450

Dunn, W.E., Jr. High temperature chlorination of titanium bearing minerals. III 9—83451

Dunne, L.J., Brandas, E.J. Possible new coherence effects in condensed systems with repulsive interactions 9—69624

Dunne, L.J. *see* Brandas, E.J. 9—79472

Dunne, P.C. *see* Argyris, J.H. 9—98640

Dunning, F.B. *see* Beiting, E.J. 9—68271

Dunning, F.B. *see* Hodge, L.A. 9—79474

Dunning, F.B. *see* Riddle, T.W. 9—60632, 9—60633

Dunning, S.J., Robinson, S.R. Multichannel infrared receiver performance 9—76596

Dunning, T.H., Jr. The $CI+B_k$ extrapolation method. Application to hydrogen fluoride 9—97983

Dunning, T.H., Jr., White, W.P., Pitzer, R.M., Mathews, C.W. The electronic states of carbon monofluoride. Low-lying valence states 9—59359

Dunning, V.D., Taylor, R.C. Vibrational spectra, assignments and normal coordinate analysis for difluorophosphine 9—68233

Dunnweber, W. *see* Puchta, H. 9—93650

Dunskii, V.F., Nikitin, N.V. The evaporation of a water aerosol during transport through the atmosphere 9—88408

Dunskii, V.F., Yatskov, Yu.V. Slow evaporation of a drop of solution 9—90847

Dunstan, D.J., Davies, J.J. The behaviour of donor-acceptor recombination emission in II-VI crystals subjected to magnetic resonance 9—95684

Dunsworth, A.E., Jan, J.-P., Skriver, H.L. De Haas-van Alphen effect and LMTO bandstructure of Al_2Cu 9—69396

Dunwoody, N.T., Hamill, T.A. Heat transfer in linear flows of non-Newtonian fluids 9—98810

Dunwoody, W.E. *see* Apperson, C.E., Jr. 9—49774

Duong, M.D., Dimitrov, O. Stress relaxation in high-purity iron single crystals containing controlled quantities of carbon 9—70105

Duong Bui, H., Putot, C. Formulation of integral equations for a plane crack at the beginning of a free surface 9—55338

Duong Phan Kieu *see* Kieu Duong Phan

Duong-van, M. *see* del Papa, C. 9—49528

Duong-van, M. *see* Goldman, T. 9—93401

Dupaix, A. *see* Lorriaux, J.L. 9—59472

Dupak, J. *see* Rikovska, J. 9—59031

Dupanloup, A. *see* Perrin, B. 9—51871

Dupas, A. *see* Rodot, M. 9—100531

Dupas, C. *see* Longuemare, C. 9—89270

Duperrex, R., van den Bergh, H. Temperature dependence in the multiphoton dissociation of $^{32}SF_6$ 9—89722

Dupeux, M. *see* Fribourg-Blanc, P.N. 9—50683

Dupeyrat, B. *see* Baudry, M. 9—59889

Dupin, J.J., Firpo, J.L., Albinet, G., Bois, A.G., Casalta, L., Baret, J.F. A model for phase transitions in a bidimensional monolayer of rectangular molecules with a polar head 9—56041

Dupoisot, H., Morizet, J. Thin film coatings: algorithms for the determination of reflectance and transmittance, and their derivatives 9—98271

Dupoisot, H., Prat, R., Slansky, S. Luminous flux amplification in Fabry-Perot spectrometry: authors' reply to comment 9—75601

Dupont, M. *see* Epelboin, I. 9—96330

Dupont-Roc, J. *see* Himbert, M. 9—89972

Dupouy, J.M. *see* Ravier, J. 9—97878

Dupplessix, R. *see* Boue, F. 9—50956

Dupre, B. *see* Manhes, G. 9—88315

DuPre, D.B. *see* Chapoy, L.L. 9—55655

DuPre, D.B. *see* Patel, D.L. 9—94889

Dupre, F., Frollani, G., Menzinger, F., Sacchetti, F. Indication of an electron redistribution in the d band of Fe alloyed with Si 9—51751

Dupre, F., Menzinger, F., Sacchetti, F. Spin density in Fe-Pd alloys 9—73685

Dupre, S. *see* Ricci, G. 9—96617

Dupree, A.K., Hartmann, L., Black, J.H., Davis, R.J., Matilsky, T.A., Raymond, J.C., Gursky, H. Ultraviolet spectroscopic measurements of globular clusters 9—67067

Dupree, A.K. *see* Branduardi, G. 9—71157

Dupree, A.K. *see* Raymond, J.C. 9—67051

Dupree, R., Walstedt, R.E., DiSalvo, F.J. Static and dynamic properties of localized Mn moments in liquid bismuth 9—82755

Dupree, R., Warren, W.W., Jr. Nuclear magnetic resonance in liquid gold-cobalt alloys 9—95660

Dupree, S.A. *see* Sutherland, S.H. 9—59205

Dupriez, G.L., Sneyers, R. The normals of the Belgian pluviometric system 9—66723

Dupuis, M. *see* Pacansky, J. 9—98006

Dupuis, P.F. *see* Heite, F.H. 9—50012

Dupuis, R.D., Dapkus, P.D., Chin, R., Holonyak, N., Jr., Kirchoefer, S.W. Continuous 300K laser operation of single-quantum-well $Al_xGa_{1-x}As$-GaAs heterostructure diodes grown by metalorganic chemical vapor deposition 9—50309

Dupuis, R.D., Dapkus, P.D., Garner, C.M., Su, C.Y., Spicer, W.E. Abrupt $Ga_{1-x}Al_xAs$-GaAs quantum-well heterostructures grown by metalorganic chemical vapor deposition 9—56933

Dupuis, R.D., Dapkus, P.D., Kolbas, R.M., Holonyak, N., Jr. Quantum-well $Al_xGa_{1-x}As$-GaAs heterostructure lasers grown by metalorganic chemical vapor deposition 9—98390

Dupuis, R.D. *see* Holonyak, N., Jr. 9—64244, 9—74275

Dupuis, R.D. *see* Milano, R.A. 9—67380

Dupuy, J. *see* Gibert, A. 9—73053

Dupuy, M. *see* Bensahel, D. 9—65927

Dupzyk, I.A., Dupzyk, R.J. Separation of uranium from urine for measurement by fluorometry or isotope-dilution mass spectrometry 9—57788

Dupzyk, R.J. *see* Dupzyk, I.A. 9—57788

Duque Calvo, F.M. *see* Largo-Cabrerizo, J. 9—81150

Duquenoy, G., Josien, F.-A. On the heavy alkali arsenates (K-Rb-Cs) 9—66280

Duquesne, J.-Y., Bellessa, G. Ultrasound propagation in amorphous polystyrene at low temperature 9—55834

Duquette, D.J. *see* Baeslack, W.A., III 9—91834

Duquette, D.J. *see* Collins, P. 9—70218

Duquette, D.J. *see* Sproles, E.S., Jr. 9—61830

Dural, J., Quere, Y. Deformation under stress of LiF irradiated at 20K 9—90715

Dural, J. *see* Konczykowski, M. 9—51154

Duran, P. The system hafnia-samaria 9—61566

Durand, B., Loiseleur, H. Some crystallographic characteristics of a metastable variety of zinc tantalum oxide $Zn_2Ta_2O_6$ 9—82185

Durand, D., Bruneau, C.M. Reactivity and gelation. I. Intrinsic reactivity 9—100363

Durand, D., Bruneau, C.M. Reactivity and gelation. II. Substitution effect 9—100364

Durand, D. *see* Marichy, G. 9—65907

Durand, F. *see* Durand-Charre, M. 9—74159

Durand, F. *see* Ignat, M. 9—52330

Durand, G. *see* Ribotta, R. 9—94879

Durand, J., Poon, S.J. Spin-glasses in amorphous $(Ni_{100-x}Fe_x)_{79}P_{13}B_8$ alloys 9—61178

Durand, J. *see* Guerra, D.A. 9—87193

Durand, J.M. *see* Bertini, R. 9—63623, 9—85565

Durand, J.M. *see* Hollan, L. 9—51446

Durand, L., Mendel, E. Functional equations for path-dependent phase factors in Yang-Mills theories 9—85219

Durand, R.E. Effects of hyperthermia on the cycling, noncycling, and hypoxic cells of irradiated and unirradiated multicell spheroids 9—92156

Durand, R.E. *see* Wathen, P. 9—62304

Durand-Charre, M., Valignat, N., Durand, F. Experimental method for evaluating the influence of each element on microsegregation of solidification in complex alloys: Application to a range of alloys (Fe, Ni, Co, Al, Ti) 9—74159

Durant, J.L., Jr. *see* Hudgens, J.W. 9—81230

Durban, D. Large strain solution for pressurized elasto/plastic tubes 9—64537

Durban, D., Budiansky, B. Plane-strain radial flow of plastic materials 9—64529

Durczewski, K. Influence of anisotropic fluctuations on the electrical resistivity in uniaxial ferromagnetic metals near T_c 9—91038

Dureev, D.M., Davarashivili, O.I., Zasavitskii, I.I., Matsonashvili, B.M., Shotov, A.P. Optically pumped $Pb_{1-x}Sn_xSe_{1-y}Te_y$ heterojunction lasers with matched gratings at the interface 9—89909

Durelli, A.J. *see* Liang, C.Y. 9—68665

Duren, R., Hoppe, H.O., Tischer, H. Observation of the oribiting backward peak in the differential cross section for $Na(^2P)$-Hg collisions 9—76482

Duret, D. *see* Brunet-Brunol, D. 9—54159

Duret, M.F., Hatton, H. Some thorium fuel cycle strategies 9—54586

Durgapal, M.C., Pande, A.K., Pandey, K. Isothermal neutron star core 9—62864

Durgaprasad, N. *see* Biswas, S. 9—80154

Durgaryan, A.A., Gardilyan, R.S. Orientational dependence of the absorption of ultrasound in Ge 9—69197

Durham, J.L. *see* Overton, J.H., Jr. 9—88388

Durham, P.J., Gyorffy, B.L., Temmerman, W.M., Ghaleb, D., Hague, C.F., Mariot, J.-M., Stocks, G.M. Soft X-ray emission and the local densities of states in Cu-Ni alloys 9—83059

Durham, W.B., Froidevaux, C., Jaoul, O. Transient and steady-state creep of pure forsterite at low stress 9—79827

Duric, N. *see* Carlson, T.A. 9—89809

Durieux, M., Kemp, W.R.G., Swenson, C.A., Astrov, D.N. Provisional 1976 temperature scale between 0.5K and 30K 9—63231

Durif, A., Averbuch-Pouchot, M.T. Structure of ammonium arsenatovanadate: $(NH_4)_4H_6(As_6V_4O_{30}).4H_2O$ 9—69076

Durif, A., Averbuch-Pouchot, M.T. Structure of cadmium-potasium dihydrate dichromate: $CdK_2(Cr_2O_7)_2.2H_2O$ 9—69082

Durif, A., Averbuch-Pouchot, M.T., Guitel, J.C. Structure of two phosphotellurates: $Te(OH)_6.2(NH_4)_2HPO_4$ and $Te(OH)_6.Na_2HPO_4.H_2O$ 9—69077

Durif, A. *see* Averbuch-Pouchot, M.T. 9—77560

Durif, A. *see* Masse, R. 9—65051, 9—69071

Durig, J.R., Church, J.S., Compton, D.A.C. Low frequency vibrational spectra and internal rotation of 2-chlorobuta-1,3-diene, propenoyl fluoride, and propenoyl chloride 9—89668

Durig, J.R., Compton, D.A.C. Analysis of torsional spectra of molecules with two internal C_{3v} rotors. XII. Low frequency vibrational spectra, methyl torsional potential function, and internal rotation of n-butane 9—89670

Durig, J.R., Hudson, S.D., Natter, W.J. Analysis of torsional spectra of molecules with two C_{3v} internal rotors. XIV. Cis- and trans-2-butene 9—89676

Durig, J.R., Li, Y.S., Sullivan, J.F. Microwave, infrared, and Raman spectra and structure of germyl isothiocyanate 9—89663

Durig, J.R. *see* Carter, R.O. 9—85962

Durisen, R.H. *see* Cuzzi, J.N. 9—53769

Durizch, M.L. *see* Littleton, J.T. 9—92393
Durlach, N.I. *see* Reed, C.M. 9—96587
Durlu, T.N. Comments on: 'An observation of banded structure formed by deformation in Fe-Ni-C alloys' by H. Onodera and I. Tamura 9—79050
Durlu, T.N. Formation and strength of strain-induced martensite in single crystals of an Fe-Ni-C alloy 9—100225
Durman, V. On the electric conduction of liquid dielectrics 9—51562
Durney, B. A comparison of numerical simulations of eddy generation performed with a two- and a three-layer quasi-geostrophic model of oceanic mesoscale eddies 9—57950
Durney, C.H., Iskander, M.F., Massoudi, H., Johnson, C.C. An empirical formula for broad-band SAR calculations of prolate spheroidal models of humans and animals 9—100658
Durney, C.H. *see* Iskander, M.F. 9—100660
Durny, R. EPR investigation of Cu-doped Ge-S glasses 9—65713
Durny, R., Macko, P., Mackova, V. Paramagnetic centers in neutron irradiated glassy semiconductors 9—82872
Durny, R. *see* Barta, S. 9—63132
Durou, C. *see* Blandin, M. 9—88214
Durou, C. *see* Clifton, M. 9—87852
Duroure, C. *see* Andrieux, A. 9—82579, 9—91033
Durovova, B. *see* Hrivnak, L. 9—56237
Durr, D. *see* Bach, A. 9—49166
Durr, H.P., Saller, H. Is hypercharge U(1) in Weinberg's model redundant? 9—71680
Durr, K., Korthaus, E., Donath, P. Studies of the temperature behavior associated with the ultimate storage of high level radioactive waste. II. Experimental verification of the calculational methods by means of simulation experiments 9—81015
Durr, M. The 1300 MWe PWR power station—development prospect 9—63802
Durr, U. *see* Regnard, J.R. 9—99803
Durrance, S.T., Thomas, G.E. The 63 μm radiation field in the Earth's thermosphere and its influence on the atomic hydrogen temperature 9—80066
Durrani, I.R., Murtaza, G., Rahman, H.U. Modulational instability of ion acoustic waves in the presence of density gradients 9—64840
Durrani, I.R., Murtaza, G., Rahman, H.U., Azhar, I.A. Effect of ionic temperature on the modulational instability of ion acoustic waves in a collisionless plasma 9—60132
Durrani, S.A. *see* Balcazar-Garcia, M. 9—49907
Durrani, S.A. *see* Edmonds, E.A. 9—76295
Durrant, C.J. The solar chromosphere-still enigmatic? 9—66976
Durrant, C.J. The effect of waves on spectral line analysis in the Fourier domain 9—80229
Durrant, C.J., Mattig, W., Nesis, A., Reiss, G., Schmidt, W. Studies of granular velocities. VIII. The height dependence of the vertical granular velocity component 9—66980
Durrant, J.D. Comments on the effects of overstimulation on microphonic sensitivity 9—92231
Durrant, J.D., Philips, C.M. An AC ohmmeter for electrode impedance measurements 9—67342
Durrett, R. An infinite particle system with additive interactions 9—80509
Durst, B.M., Bierman, S.R., Clayton, E.D. Shipping cask experimental program and data—Battelle-Pacific Northwest Laboratories 9—63789
Durst, B.M., Bierman, S.R., Clayton, E.D. Critical experiments with fast test reactor fuel pins in water 9—85726
Durst, B.M. *see* Bierman, S.R. 9—59162
Durst, B.M. *see* Lloyd, R.C. 9—80978, 9—85725
Duru, I.H., Kleinert, H. Solution of the path integral for the H-atom 9—67187
Durvasula, L.N., Gammon, R.W. Brillouin scattering from shear waves in amorphous polycarbonate 9—91454
Duryagin, V.A. *see* Babei, Yu.I. 9—52435
Duryagin, V.A. *see* Pilyankevich, A.N. 9—70152
Dus, R., Lisowski, W. Studies on ethylene adsorption on Ni, Pd and Pt films and the reactivity of the selected forms of the adsorbate with hydrogen 9—86995
Dusa, O. *see* Konc, M. 9—51823
Dusausoy, Y. *see* Mutin, J.C. 9—55731
Duschner, H. *see* Schorr, W. 9—85626
Dusel, P.W., Kerker, M., Cooke, D.D. Distribution of absorption centers within irradiated spheres 9—50221
Dusen, E.S.Van *see* Van Dusen, E.S.
Dushin, Yu.A., Emel'yanova, L.I., Novikov, L.F. Diffusion saturation of metallic finished products 9—52260
Dushin, Yu.A. *see* Bedenyapin, G.A. 9—70102
Dusseau, J.M. *see* Pistoulet, B. 9—95414
Dusseau, J.M. *see* Robert, J.L. 9—51571
Dussel, G.G., Bes, D.R. A number conserving derivation of the BCS equations 9—75871
Dustmuradov, G. *see* Edel'man, I.S. 9—99966
Dusyatskii, V.A. *see* Markovskii, V.S. 9—96758
Dusza, J.J., Pankanin, G.L., Seroka, J. The effect of some geometrical factors on the metrological properties of the turbine transmitter with a radial rotor for low liquid flow measurement 9—68849
Duszak, M., Jakubowski, A. Influence of parameters of ion implantation process on shift of threshold voltage of MOS-transistor 9—69598
Dutchak, Ya.I., Frenchko, V.S., Klym, N.M., Mudryi, S.I. The structural features and character of interatomic interaction in eutectic liquid Ag-Tl and Te-Tl alloys 9—77494
Dutchak, Ya.I., Frenchko, V.S., Voznyak, O.M. Short-range order in melts of the systems Ge-Sn(In) 9—86673
Dutchak, Ya.I., Mikityuk, Z.M., Fedyshin, M.I. Use of small-angle X-ray scattering to investigate cholesteric-type liquid crystals 9—60274
Duthie, J.C., Heine, V. Theory of screening effects on crystalline electric fields in metallic rare earth materials 9—78058
Dutkiewicz, V.A., Husain, L. Determination of stratospheric ozone at ground level using ^{7}Be/ozone ratios 9—58011
Dutoit, M. *see* Cline, C.F. 9—52353
d'Utruy, B., Blay, D., Coeytaux, M. The French CNRS 1 MW solar power plant 9—61954
Dutt, D.S. *see* Melde, G.F. 9—67858
Dutt, H.N.V., Sreekanth, A.K. Design of supersonic airfoils by numerical optimization 9—98750
Dutt, I.D. *see* Balagurov, A.M. 9—51923
Dutt, J.C. *see* Davies, S.T. 9—80116
Dutt, M.B., Sen, S.K. The diffusion of zinc in copper and silver 9—77825
Dutt, R. Bound s-state energies for the exponential cosine screened Coulomb potential in Ecker-Weizel approximations 9—97965
Dutt, R. *see* Sinha, S.N. 9—58900
Dutta, A. *see* Ryan, M.E. 9—70327
Dutta, A.K., Bhaduri, R.K., Srivastava, M.K., Vallieres, M. Modified Strutinsky correction to microscopic binding energy calculations 9—67638
Dutta, H.N., Chaturvedi, R., Bhardwaj, R.K., Dabas, R.S., Lal, J.B. Characteristics of scintillations of 40 MHz satellite signals observed at Kurukshetra 9—88527
Dutta, H.N. *see* Singal, S.P. 9—53428
Dutta, N. Theory of the four-photon parametric oscillator 9—86216
Dutta, N., Wolga, G.J. On the interaction of stimulated spin-flip Raman scattering and stimulated recombination radiation in InSb 9—72623
Dutta, N.K. Effect of pump fluctuations on second harmonic generation and parametric amplifications 9—55185
Dutta, P., Dimon, P., Horn, P.M. Energy scales for noise processes in metals 9—95458
Dutta, P. *see* Eberhard, J.W. 9—60940
Dutta, S. A simple probe for fluidized bed measurements 9—82000
Dutta, S.K., Hossain, M.A., Ho, H.S., Blackman, C.F. Effects of 8.6-GHz pulsed electromagnetic radiation on an Escherichia coli repair-deficient mutant 9—100666
Dutta, S.K., Purkait, N.N., Bhar, J.N. Effect of vertical drift on absorption and change in phase height of E-region reflections 9—101003
Dutta, V., Nath, P., Chopra, K.L. Electrical properties of polycrystalline germanium-metal films 9—99642
Dutta, V. *see* Nath, P. 9—51689
Dutto, G. *see* Beveridge, J.L. 9—63848, 9—72059
Dutto, G. *see* Blackmore, E.W. 9—54699, 9—54710, 9—72060
Dutton, E.J., Dougherty, H.T. Year-to-year variability of rainfall for microwave applications in the USA 9—62562
Dutton, G. *(editor)* Havard Papers on Geographical Information Sytems. First International Advanced Study Symposium on Topological Data Structures for Geographic Information Systems 9—74826
Dutton, J.A. *see* Vickroy, J.G. 9—88430
Dutton, M.J.O. Performance of conventional operational forecasts of clear-air turbulence during the 1976 Turbulence Survey 9—100922
Dutton, T.F. *see* Wu, R.K. 9—67336
Dutton, T.F. *see* Wuk, R.K. 9—67335
Dutu, D. *see* Alexandrescu, R. 9—59667
Dutu, D. *see* Avtonomov, V.P. 9—94266
Duval, E. *see* Champagnon, B. 9—83007
Duval, E. *see* Lacroix, R. 9—82563
Duval, E. *see* Monteil, A. 9—83006
Duval, J.S., Pitkin, J.A. A large-volume plastic detector for aerial gamma-ray spectroscopy 9—58126
Duval, M., Dickson, J.I. Influence of ageing stress on yield point phenomenon in very low carbon steel 9—96091
Duval, M., St-Onge, H. HPLC and DSC analysis of crosslinked PE from HV cables 9—100466
Duval, P., Hauet, A. Contribution to quantitative metallography from measurements of the period of the periodic antiphases in the ternary Cu-Al-Zn alloy 9—100111
Duval, P. *see* Maurice, L. 9—80636
Duval, P. *see* Peyre, H. 9—60388
Duval, X. *see* Regnier, J. 9—73397
Duvall, G.E. *see* Bloomquist, D.D. 9—95470
Duvall, J.J., Martel, R.A., Bartke, T.C. Simulated in situ retorting of Michigan Antrim oil shale 9—87954
Duvall, M.D. *see* Beard, J.T. 9—62074
Duvall, T.L., Jr., Scherrer, P.H., Svalgaard, L., Wilcox, J.M. Average photospheric poloidal and toroidal magnetic field components near solar minimum 9—66978
Duvall, T.L., Jr. *see* Livingston, W. 9—66977
Duvanov, B.N. *see* Boiko, V.A. 9—90433
Duvaut, G. *see* Artola, M. 9—71250
Duvernoy, J. Optical statistical classifiers using coherent and incoherent light 9—96644
Dux, H., Dorfmuller, T. Reorientation in associated liquids. I. Glycerol 9—77481
Dux, H. *see* Dorfmuller, T. 9—86672
Duxbury, T.C. Planetary geodetic control using satellite imaging 9—70959
Duxbury, T.C. *see* Cook, A.F., II 9—92714, 9—96952
Duyckaerts, G. The problem of radioactive waste from the electronuclear industry 9—93740
Duyl, W.A.van *see* van Duyl, W.A.
Duyn, C.J.Van *see* Van Duyn, C.J.
Duyne, R.P.Van *see* Van Duyne, R.P.
Duyneveldt, A.J.van *see* van Duyneveldt, A.J.
Duzevic, D. On the melting point temperature decrease of solids 9—73295
Dvalli, D. *see* Armenise, N. 9—93398
Dvernyakov, V.S. *see* Shevchenko, O.V. 9—96007
Dvernyakov, V.S. *see* Stegnii, A.I. 9—77725
Dvoeglazov, A.M. *see* Danileiko, M.V. 9—59672
Dvoracek, E., Walla, J. Determining the operating state of power transformers by chromatographic analysis of gases 9—87894
Dvorak, C.A. *see* Northmore, D.P.M. 9—62264
Dvorak, F. *see* Chura, V. 9—76547
Dvorak, G.J., Bahei-El-Din, Y.A. Elastic-plastic behavior of fibrous composites 9—76985
Dvorak, I. The model of an extracellular electric field of a neuron 9—62233
Dvorak, J. *see* Cettl, L. 9—79575
Dvorak, R., Edelman, C. A statistical method for the determination of orbits of asteroids and satellites 9—101050
Dvorak, R. *see* Delva, M. 9—92655
Dvorak, V. Well-type scintillator 9—68143
Dvorchik, S.E. *see* Boguslavskii, V.A. 9—76543
Dvorkin, B.A. *see* Bilenko, D.I. 9—49272
Dvorkin, V.I. *see* Vul'fson, E.K. 9—52858
Dvornik, A.M. *see* Abdinov, O.B. 9—89334
Dvornikov, D.P., Ivchenko, E.L., Yaroshetskii, I.D. Linear-circular the-photon dichroism in cadmium sulfide 9—51930
Dvornikov, D.P., Ivchenko, E.L., Yaroshetskii, I.D. Linear-circular dichroism of III-V crystals near the two-photon absorption edge 9—61334
Dvornikov, I.V. *see* Braum, P.A. 9—50078
Dvornikov, S.S., Knyukshto, V.N., Sevchenko, A.N., Solov'ev, K.N., Tsvirko, M.P. Phosphorescence and fluorescence polarization spectra of chlorophyls α and b and their pheophytins 9—70522
Dvornikov, S.S., Knyukshto, V.N., Sevchenko, A.N., Solov'ev, K.N., Tsvirko, M.P. Dual phosphorescence of zinc complexes of pheophytins a and b 9—89706
Dvornikov, S.S. *see* Gradyushko, A.T. 9—85980, 9—99932
Dvornikov, V.M., Karpov, V.P., Sergeev, A.V. Pitch-angle dependence of the depth of modulation of cosmic rays in interplanetary space 9—80139
Dvoryankin, V.F. *see* Gulyaev, Yu.V. 9—90042
Dvoryankina, G.G. *see* Gulyaev, Yu.V. 9—90042
Dvoskina, T.D. *see* Egorkina, G.V. 9—74874
Dvukhsherstnov, V.G. *see* Sidorov, G.I. 9—97737
Dvunitkin, V.G. *see* Vedernikov, M.V. 9—65445, 9—69492
Dvurechenskii, A.V. *see* Antonenko, A.Kh. 9—90707
Dvurechensky, A.V., Kachurin, G.A., Mustafin, T.N., Smirnov, L.S. Laser annealing of ion-implanted semiconductors 9—69124
Dwarakanath, K., Rau, R.S.N. The single Langmuir probe under orbital-limited conditions in a low-density collisional plasma 9—50888
Dwek, R.A. *see* Burton, D.R. 9—89692
Dwight, A.E. *see* Majewski, R.E. 9—78310, 9—91209
Dwight, A.E. *see* Mendelsohn, M.H. 9—52761
Dwight, A.E. *see* Shaked, H. 9—51742
Dwight, K. *see* Koffyberg, F.P. 9—65378
Dwight, K. *see* Merchant, P. 9—56262
Dwinell, R.D. *see* Chao, A.W. 9—72208
Dwivedi, K.K., Mukherji, S. Heavy ion track lengths in solid dielectric track detectors 9—59319
Dwivedi, K.S. *see* Singh, S. 9—96347
Dwivedi, L.N. Thermodynamic behaviour of one-dimensional Ising system with spin S=1 9—49173
Dwivedi, S.R., Jain, D. Multiplication factor evaluation of bare and reflected small fast assemblies using variational method 9—85583

Dworschak, F., Dimitrov, C., Dimitrov, O. Interaction of self-interstitials with oxygen atoms in electron-irradiated zirconium 9—65118
Dworschak, F. *see* Bartels, A. 9—77637
Dworsky, L.N. Discrete element modelling of AT-quartz devices 9—55297
Dworzecka, M. *see* Griffin, J.J. 9—93539
Dwyer, D. *see* MacDonald, J. 9—68503
Dwyer, H.A., Sanders, B.R. Numerical modeling of unsteady flame propagation 9—64794
Dwyer, R.F. Robust sequential detection of narrowband acoustic signals in noise 9—59869
Dy, K.S., Wu, S.Y., Wongtawatnugool, C. Localisation of impurity modes 9—55850
Dyabin, Yu.P., Sitnikov, A.I., Tantashev, M.V. A simple method of measuring low transmissions through light filters with high degrees of accuracy 9—85158
Dyachenko, A.I. Sum rules for tunneling in superconductors 9—87195
D'Yachenko, A.I. *see* Svistunov, V.M. 9—91190
D'yachenko, V.S. *see* Vysota, A.M. 9—52788
D'yachenko, V.V., Larionov, M.M., Serebrenyi, G.A., Shcherbinin, O.N. Propagation of waves at the lower hybrid frequency in Tokamak FT-1 9—55482
Dyachenko, V.V. *see* Gladkovskii, I.P. 9—98927
D'yachkov, A.L. *see* Antonets, E.P. 9—97465
D'yachkov, E.I. *see* Aksenov, V.G. 9—54224
D'Yachkov, F.N. Investigation of heat transfer and hydraulics for boiling of freon-22 in internally-finned tubes 9—81694
D'yachkov, I.I. *see* Kvitka, A.L. 9—94559
D'yachkov, L.G., Kobzev, G.A. Electron energy balance in the afterglow in a metal-vapor laser 9—76678
Dyad'kin, A.P. *see* Vasil'ev, B.I. 9—72557, 9—89721
Dyadyura, V.A. *see* Turchanenko, N.T. 9—96836
Dyadyusha, G.G. *see* Arev, I.A. 9—54839
D'yakanov, M.N., Khomylev, A.F., Gracheva, G.M. Effect of the particle shape of tantalum powder on some parameters of volume-porous anodes of electrolytic capacitors 9—61539
D'yakanov, V.N. *see* Reikhart, V.A. 9—87777
Dyakina, A.P. *see* Startsev, V.E. 9—95389
Dyakina, V.P. *see* Volkenshtein, N.V. 9—60688
Dyakonov, D.I. *see* Dokshitzer, Yu.L. 9—71726
D'yakonov, M.N., Egorov, T.A., Ivanov, A.A., Kershengol'ts, I.M., Knurenko, S.P., Kolosov, V.A., Krasil'nikov, D.D., Kuz'min, A.I., Lishchenyuk, F.F., Orlov, V.A., Sleptsov, I.E. The cosmic-ray energy spectrum at 10^{17}-10^{20} eV 9—80151
D'yakonov, M.N., Zamyslovskii, M.G., Kostrov, D.V., Muzhdaba, V.M., Khanin, S.D., Shelekhin, Yu.L. Investigation of the electron spectrum of niobium oxide by optical and thermal methods 9—69418
D'yakonov, V.Yu., Rochev, V.E., Storchak, S.N. Analytic properties of the inclusive cross section in the scattering angle in a class of ladder models with dynamical symmetry 9—93390
D'yakonova, N.B., Lyasotskii, I.V. Investigation of the fine crystal structure of solid solutions of Ti-Mn and Ti-Mo alloys by diffuse X-ray and electron scattering methods 9—99329
D'yakov, P.A. *see* Bulkin, Yu.M. 9—97837
Dyakov, Yu.E. *see* Dzhotyan, G.P. 9—72625
D'yakova, M.A. *see* L'vova, E.A. 9—74152
D'yakova, V.V. *see* Zhukova, L.A. 9—78664
Dyal, P. *see* Daily, W.D. 9—96932
Dyankov, S.S. *see* Galunsky, B.P. 9—61920
D.Ya.Shagalova. *see* Shagalova. D.Ya.
Dyata, S.V. *see* Ordzhonikidze, K.G. 9—49332
Dyatlov, I.N. *see* Mingazov, B.G. 9—81996
Dyaveikis, V.B. *see* Marchyulionis, D.-V.A. 9—52501
Dyban, E.P. *see* Mazur, A.I. 9—64730
Dyban', Yu.P. *see* Gnesin, G.G. 9—96136
Dybbs, A. *see* Singh, B.S. 9—86506
Dychkov, A.S. *see* Bagaev, S.N. 9—68295
Dyck, D.van *see* van Dyck, D.
Dyck, D.Van *see* Van Dyck, D.
Dyck, O.van *see* van Dyck, O.
Dyck, O.B.van *see* van Dyck, O.B.
Dydak, F. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Dydak, F. *see* Groot, J.G.H. 9—93395
Dye, D.H. *see* Crabtree, G.W. 9—65363, 9—73425
Dye, D.L., Shotwell, R.L., Bankert, S.F. Requirements for an Integrated Safeguards Information System (ISIS) [nuclear safety] 9—85681
Dye, J.E., Breed, D.W. The microstructure of clouds in the high-frequency hail area of Kenya 9—53484
Dye, J.E., Martner, B.E. The relationship between radar reflectivity factor and hail at the ground for northeast Colorado thunderstorms 9—53470
Dye, J.E. *see* Heymsfield, A.J. 9—53456, 9—53483
Dye, J.L. *see* DaGue, M.G. 9—100340
Dyer, C.C., Honig, E. Conformal Killing horizons 9—49123
Dyer, C.M. *see* Pace, N.G. 9—92626
Dyer, F.B., Currie, N.C. Environmental effects on millimeter radar performance 9—80065
Dyer, G.R., Neilson, G.H., Kelley, G.G. Pulse pileup effects on plasma electron temperature measurements by soft X-ray energy analysis 9—64910
Dyer, J.N. *see* Pitthan, R. 9—54423
Dyer, L.D. Dislocation-free Czochralski growth of ⟨110⟩ silicon crystals 9—100042
Dyer, P., Puigh, R.J., Vandenbosch, R., Thomas, T.D., Zisman, M.S., Nunnelley, L. Q- and Z-dependence of angular momentum transfer in deeply inelastic collisions of ^{86}Kr with ^{209}Bi 9—67786
Dyer, P. *see* Puigh, R.J. 9—93675
Dyer, P.E., Perera, I.K. Injection mode locking of a TEA CO_2 laser on P and R transitions in the 9- and 10-μm bands 9—89883
Dyer, P.E. *see* Bourne, O.L. 9—55143
Dyer, P.E. *see* Carman, T.W. 9—59722
Dyer, P.E. *see* Deka, B.K. 9—81465
Dyk Kim Khan *see* Khan Dyk Kim
Dyka, C.T. Vibration and stability of spinning polar orthotropic annular plates reinforced with edge beams 9—94534
Dyke, J.M., Fayad, N.K., Morris, A., Trickle, I.R. Gas phase HeI photoelectron spectra of some transition metals: Cu, Ag, Au, Cr and Mn 9—98051
Dyke, J.M. *see* Bulgin, D.K. 9—72359
Dyke, J.M. *see* Colbourn, E.A. 9—72358
Dyke, J.M. *see* Dunlavey, S.J. 9—98153
Dyke, T.R. *see* Odutola, J.A. 9—72371
Dyke, T.R. *see* Patel, D. 9—64116
Dykla, J.J. Doppler redshifts in oblique approach of source and observer 9—58475
Dykman, I.M., Prokhnitskii, L.A. Eigenoscillations of hot electrons in an inhomogeneous semiconductor under classically strong magnetic field 9—73520
Dykman, M.I. Heating and cooling of local and quasilocal vibrations by a nonresonance field 9—65148
Dykman, M.I., Krivoglaz, M.A. Theory of fluctuational transitions between the stable states of a nonlinear oscillator 9—93981
Dykman, M.I. *see* Valakh, M.Ya. 9—65831
Dyksterhuis, F.H. The use of an oscillating vane gauge to determine gas composition of binary gas mixtures 9—97401
Dyksterhuis, F.H., Heckenberg, N.R. The pressure-broadened linewidth of the 17(2,15)→17(2,14) transition of formaldehyde 9—98093
Dykstra, C.E. *see* Montgomery, J.A. 9—98003
Dylic-Gromiec, A. *see* Adamski, P. 9—64990
Dylla, H. *see* Eubank, H. 9—82074
Dylla, H.F., Bol, K., Cohen, S.A., Hawryluk, R.J., Meservey, E.B., Rossnagel, S.M. Observations of changes in residual gas and surface composition with discharge cleaning in PLT 9—80631
Dylla, H.F. *see* Rossnagel, S.M. 9—82451
Dymaczewski, H., Mischke, W., Przybylski, M. Ultraviolet nitrogen lasers 9—55124
Dyman, T.S. *see* Brower, J.C. 9—62593
Dyman, T.S. *see* Millendorf, S.A. 9—62502
Dymanus, A. *see* Meerts, W.L. 9—94011
Dymanus, A. *see* ter Meulen, J.J. 9—72333
Dymanus, A. *see* Zuidberg, B.F.J. 9—72444
Dymarz, R., Malecki, A. Microscopic optical potential of nucleus-nucleus elastic scattering 9—54444
Dymarz, R., Malecki, A. Summation of Watson's multiple collision series for hadron-nucleus scattering at medium energies 9—85557
Dymarz, R., Malecki, A. Microscopic optical potentials of the nucleon-nucleus elastic scattering at medium energies 9—97703
Dymek, M.S., Maulsby, R.L., Gedye, J., Erlandson, R.F. A goggle system using electrically activated liquid crystal shutters for use in visually evoked response tests 9—79676
Dyment, F. *see* Lopez-Garcia, A.R. 9—78589
Dyment, J.C. *see* Parsons, R.R. 9—55137
Dymov, G.D. *see* Goman, V.G. 9—60043
Dymshits, B.M. *see* Grigo'yan, G.M. 9—64216
Dynes, R.C. *see* Hensel, J.C. 9—99277
Dynes, R.C. *see* Leavens, C.R. 9—73620
Dynes, R.C. *see* Rowell, J.M. 9—60954
Dynkin, S.D. *see* Gurebich, L.Z. 9—97269
Dynowska, E., Stankowski, J. X-ray study of the structural phase transition in nickel hexammine perchlorate 9—65023
Dyott, R.B., Cozens, J.R., Morris, D.G. Preservation of polarisation in optical-fibre waveguides with elliptical cores 9—64324
Dyshko, A.L. *see* Lugovoi, V.N. 9—98437
Dyskin, L.M., Kramarenko, P.T. Influence of inner rifling on the efficiency of a vortex tube 9—94462
Dyson, F. A semi-kinematic focusing mechanism 9—96918
Dyson, F.J. Time without end: Physics and biology in an open universe 9—97119
Dyson, J.E. *see* Canto, J. 9—88714
Dyson, N.A., Simpson, A.E., Dabek, J.T. Analysis of human blood and liver tissue for copper, zinc and iron by the method of proton-induced X-ray emission analysis 9—53291
Dyson, P.L. Illustrating the role of principal planes in an optical system 9—97150
Dyson, P.L., Bennett, J.A. General formulae for absorption of radio waves in the ionosphere 9—58166
Dyson, P.L. *see* Hoegy, W.R. 9—58139
Dytman, S. *see* Marlow, D. 9—85564
Dytry, R. *see* Surowiak, Z. 9—91388
Dyubko, S.F. *see* Moskienko, M.V. 9—54853, 9—64210
Dyudin, B.V. *see* Byrdin, V.M. 9—60433
Dyumin, N.E. *see* Eselson, B.N. 9—51330
Dyuzhev, G.A., Startsev, E.A., Shkol'nik, S.M., Yur'ev, V.G. Low-temperature erosionless cathode for high current densities 9—64953
Dyuzhev, G.A., Startsev, E.A., Yur'ev, V.G. Physics of a hollow arc cathode with a highly ionized dense plasma 9—64951
Dyuzhin, A.T. 'Interetalonpribor' testing aggregates and utilized testing equipment 9—94752
D'Yvoire, F., Nguyen-Huy-Dung Crystal structure of iron (III) tirs(arsenato) arsenite, $Fe_2[As^{III}(As^{V}O_4)_3]$. Evidence of partial disorder of arsenic (III) atoms with linear order 9—90600
Dzambazovski, M., Bozovic, I.B., Vujicic, M., Herbut, F. Symmetry and optical absorption spectra of polymers 9—55011
Dzambazovski, M. *see* Bozovic, I.B. 9—55010
Dzantiev, B.G. *see* Ermakov, A.N. 9—57265
Dzaparidze, P.N. Physico-geometrical explanation of the deep dispersion of the condensed substances and their sintering 9—91603
Dzeganovskii, V.P. *see* Zhurakovskii, E.A. 9—94954
Dzeganovs'kii, V.P. *see* Zhurakovs'kii, E.O. 9—51482
Dzelme, Yu.R. *see* Raukhvarger, A.E. 9—56821, 9—69862
Dzhabbarov, D.G. *see* Gabovich, M.D. 9—68934
Dzhabua, Z.U. *see* Glurdzhidze, L.N. 9—69897
Dzhafarov, I.G. Reformulation of the Weinberg-Salam model for a scheme of leptons with a four-component neutrino. Effects of the Higgs scalar bosons 9—80784
Dzhafarov, I.G. *see* Guliev, N.A. 9—49446
Dzhafarov, T.D., Skoryatina, E.A., Guds, E.S., Moronchuk, I.E. The diffusion and electric activity of Co in epitaxial GaAs 9—56333
Dzhafarova, E.A. *see* Abdullaev, G.B. 9—73580
Dzhafarova, E.A. *see* Iskender-zade, Z.A. 9—56312
Dzhafarova, R.K. *see* Saidov, M.S. 9—73582
Dzhagarov, B.M., Salokhiddinov, K.I., Bondarev, S.L. Quenching of molecular oxygen by the singlet and triplet states of the porphyrins 9—92141
Dzhagarov, B.M. *see* Bondarev, S.L. 9—56837
Dzhaizakov, V.M. *see* Korsunskii, M.I. 9—88952
Dzhalilzade, T.A. *see* Nasibov, I.O. 9—87621
Dzhalolov, Kh.A. *see* Bachert, H.-J. 9—81455
Dzhamai, V.V. *see* Shorr, B.F. 9—64487
Dzhamalov, A.S. *see* Berzina, I.G. 9—74477
Dzhamanbaev, Zh.A. *see* Sadybakasov, B.K. 9—94995
Dzhanelidze, R.B. *see* Bagratishvili, G.D. 9—60932
Dzhaparidze, G.Sh. *see* Mrevlishvili, G.M. 9—79448
Dzhappuev, D.D., Lidvanskii, A.S., Tiezengausen, V.A., Chudakov, A.E., Sulakov, V.P., Khristiansen, G.B. Fluctuations of the EAS lateral distribution function at the distances <50 m from the axis 9—53688
Dzhappuev, D.D. *see* Alekseev, E.N. 9—80164
Dzhaugashtin, K.E. Two-dimensional free boundary layer in a stratified medium 9—64736
Dzhavadov, A.V., Mirabutalybov, M.M. Scattering of electrons by nuclei and variations of the charge-density distribution 9—75830
Dzhavadov, A.V., Mirabutalybov, M.M., Tveretskii, A.P. Elastic scattering of electrons and distribution of the density of nucleons in a nucleus 9—75831
Dzhavadov, B.M. *see* Gasanly, N.M. 9—55842
Dzhavadyan, V.G. *see* Kostanyan, K.A. 9—65827
Dzhavuktsyan, S.G. *see* Pronkin, A.A. 9—95215
Dzhelepov, B.S. Internal nuclear 'clocks' 9—75835
Dzhelepov, V.P. *see* Bystritskii, V.M. 9—50171
Dzhelepov, V.P. *see* Vasilyev, A.A. 9—54655
Dzhelyadin, R.I., Golovkin, S.V., Gritsuk, M.V., Kakauridze, D.B., Kachanov, V.A., Konoplyannikov, A.K., Konstantinov, A.S., Konstantinov, V.F., Kubarovski, V.P., Kulik, A.V., Landsberg, L.G., Leontiev, V.M., Mukhin, V.A., Obraztsov, V.F., Petrunina, T.I., Pokrovski, N.S., Prokoshkin, Yu.D., Victorov, V.A., Zaitsev, A.M. Observation of $\omega \to \pi^0\mu^+\mu^-$ decay 9—67556
Dzhelyadin, R.I. *see* Golovkin, S.V. 9—89212
Dzhelyadin, R.I. *see* Victorov, V.A. 9—67546
Dzhermakyan, A. *see* Beleva-Staikova, R. 9—62184
Dzhilavdari, I.Z. *see* Boiko, B.B. 9—55172
Dzhilavyan, L.Z., Kucher, N.P. Study of the cross section of the reaction ^{63}Cu(γ,n) in the beam of quasimonochromatic annihilation photons in energy range 12 to 25 MeV 9—89295
Dzhivoletti, M. *see* Apel', V.D. 9—67609
Dzhonson, R. *see* Apel', V.D. 9—67609

Dzhordzhadze, G.P., Pogrebkov, A.K., Polivanov, M.K. General solutions of the Cauchy problem for the Liouville equation $\phi_{tt}(t,x)-\phi_{xx}(t,x)=(1/2)m\ \exp\phi(t,x)$ 9—84942
Dzhordzhadze, V.P. *see* Birulev, V.K. 9—67547
Dzhotyan, A.P., Kazarian, E.M., Enfiadjian, R.L. Complicated quasi-particle complexes in thin semiconductor films 9—95343
Dzhotyan, A.P., Kazaryan, E.M., Sarkisyan, N.Z., Enfiadzhyan, R.L. Binding energy of the exciton molecule ion in strong magnetic field 9—78011
Dzhotyan, G.P. Excitation and amplification of an antiStokes wave at the stimulated Raman scattering of the pump radiation with broad frequency spectrum 9—50346
Dzhotyan, G.P., Dyakov, Yu.E. Diffraction shift of the frequency of Stokes radiation 9—72625
Dzhukhat, V. *see* Aleksandrov, E. 9—93166
Dzhuraev, A.A. *see* Bobodzhanov, I.B. 9—84491
Dzhuraev, M. *see* Azimov, S.A. 9—49559, 9—80857
Dzhuraeva, A.R. *see* Baiburina, S.G. 9—80156, 9—80170
Dzhyun-Ichi Sakai *see* Bulanov, S.V. 9—55485
Dzialowski, Y., May, M. Detection of axial displacements of a diffusing object 9—85118
Dzierba, A. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Dziewior, J., Silber, D. Minority-carrier diffusion coefficients in highly doped silicon 9—99559
Dzikowski, K.J., Gray, D.C. Zion simulator run verifies new load-follow methods 9—67917
Dzikowski, T. *see* Wdowczyk, J. 9—80150
Dziomba, B. *see* Wygnanski, I. 9—81896
Dziuba, Z. *see* Szlenk, K. 9—51577
Dzneladze, Zh.I. *see* Manokhin, A.I. 9—100090
Dzotsenidze, N.M. *see* Vekua, L.V. 9—74834
Dzubenko, M.I., Maslov, V.V., Naumenko, I.G., Nikitchenko, V.M., Pelipenko, V.P. Generation of stimulated emission by cumarine derivatives under laser and lamp excitation 9—72563
Dzugutov, M.M. *see* Ukhov, V.F. 9—69005
Dzvonik, L.I. *see* Antonova, A.M. 9—90279
Dzwig, P. A direct calculation of overlap integrals and the Auger recombination coefficient in GaP 9—69524
Dzwigala-Lugowska, H. *see* Bukowski, A. 9—70099
Dzwigalski, Z. *see* Denus, S. 9—68939
Dzyaloshinskii, I.E., Ivanov, B.A. Localized topological solitons in a ferromagnet 9—69661
Dzyuba, A.S. *see* Geguzin, Ya.E. 9—55942
Dzyuba, S.A., Raitsimring, A.M., Tsvetokv, Yu.D. Investigation of the paired radical-paramagnetic ion spatial distribution function by the electron spin echo method 9—61223
Dzyuba, V.V. *see* Pavlenkova, N.I. 9—84528
Dzyublick, A.Ya. Dynamical effects in inelastic scattering of thermal neutrons by a crystal 9—77459

E., J.M.Dominguez *see* Dominguez E., J.M.
E-An Zen *see* Doolan, B.L. 9—66679
Ea, N. *see* Dumas, P. 9—57219
Eachus, R.S. *see* Corrigan, D.A. 9—91288
Eades, J.A. *see* Shannon, M.D. 9—99040
Eades, R.A. *see* Dixon, D.A. 9—89602
Eades, R.A. *see* Truhlar, D.G. 9—72229
Eadie, G.G. *see* Cool, D.A. 9—70642
Eagen, C.F., Weber, W.H. Modulated surface-plasmon resonance for adsorption studies 9—83045
Eagen, C.F., Weber, W.H., Pointexter, B.D. Modulated surface plasmon resonance for adsorption studies 9—82439
Eagen, C.F. *see* Weber, W.H. 9—91119
Eagles, C.J. *see* Karran, S.J. 9—79636
Eagleson, P.S. Climate, soil, and vegetation. I. Introduction to water balance dynamics 9—79893
Eagleson, P.S. Climate, soil, and vegetation. III. A simplified model of soil moisture movement in the liquid phase 9—79894
Eagleson, P.S. Climate, soil, and vegetation. IV. The expected value of annual evapotranspiration 9—79895
Eagleson, P.S. Climate, soil, and vegetation. VI. Dynamics of the annual water balance 9—79896
Eagleson, P.S. Climate, soil, and vegetation. II. The distribution of annual precipitation derived from observed storm sequences 9—84314
Eagleson, P.S. Climate, soil, and vegetation. V. A derived distribution of storm surface runoff 9—84315
Eagleson, P.S. Climate, soil, and vegetation. VII. A derived distribution of annual water yield 9—84316
Eakin, R.M., Brandenburger, J.L. Autofluorescence in the retina of a snail, Helix aspersa 9—53103
Eakins, J.D. *see* Cambray, R.S. 9—79997
Eardley, D.M., Smarr, L. Time functions in numerical relativity: marginally bound dust collapse 9—71321
Eardley, D.M. *see* Zouros, T.J.M. 9—54026
Eardley, G., Jones, B.F., Mottram, D.A.J., Wharmby, D.O. A simple model of metal-halide arcs 9—77440
Earle, E.D. *see* James, A.N. 9—93614
Earle, E.D. *see* Kitching, P. 9—67755
Earle, M.D. *see* Graff, H. 9—100957
Earles, D.R. *see* Blanar, G.J. 9—93473
Earles, D.R. *see* Sun, B.K. 9—89428
Early, R.A. *see* Chao, A.W. 9—72208
Early, R.A. *see* Loew, G.A. 9—72165
Earmme, Y.Y. *see* Lee, J.K. 9—65201
Earnshaw, J.C. *see* Byrne, D. 9—75607, 9—75608
Earnshaw, K.B., Wang, T., Lawrence, R.S., Greunke, R.G. A feasibility study of identifying weather by laser forward scattering 9—70893
Easman, G.D. *see* Chou, P.Y. 9—83698
Eason, R. *see* Otter, G. 9—85338
Eason, R.M. *see* Girtler, P. 9—89197
Eastes, W., Ross, U., Toennies, J.P. Experimental observation of structure in the distribution of final rotational states in small angle inelastic scatterin of Li^+ from $CO(E_{c.m}=4\text{-}7$ eV) 9—68300
Eastham, A. RAGRAF: a computer code for calculating temperature distributions in multi-pin fuel assemblies in a stagnant gas atmosphere. Description and user's guide 9—85604
Easthope, P. *see* Barbour, J.B. 9—58455
Eastman, D.E., Himpsel, F.J., Knapp, J.A. Electronic and magnetic properties of nickel as described using experimental spin-split energy band dispersions 9—78829
Eastman, D.E. *see* Himpsel, F.J. 9—69402, 9—69573, 9—100023
Eastman, D.E. *see* Knapp, J.A. 9—69572, 9—77998
Eastman, E.A.B. *see* Cardito, J.M. 9—89365
Eastman, J.M., Boles, J.A., Soures, J.M. Rochester's 30-TW Omega system 9—55146
Eastman, L.F. *see* Chandra, A. 9—91170
Eastman, M.P. *see* Bruno, G.V. 9—50985
Eastman, T.E., Hones, E.W., Jr. Characteristics of the magnetospheric boundary layer and magnetopause layer as observed by Imp 6 9—80084
Eastman, T.E. *see* Crooker, N.U. 9—66876
Eastop, T.D. *see* Turner, J.R. 9—90357
Eather, R.H., Mende, S.B., Weber, E.J. Dayside aurora and relevance to substorm current systems and dayside merging 9—96852
Eaton, A. The impact of anoxia on Mn fluxes in the Chesapeake Bay 9—92099
Eaton, F.D., Dirmhirn, I. Reflected irradiance indicatrices of natural surfaces and their effect on albedo 9—62514
Eaton, G.H. The muon: a new tool 9—65781
Eaton, G.R. *see* Eaton, S.S. 9—51858, 9—95647
Eaton, H. *see* Williams, G.A. 9—86958
Eaton, H.C., Bayuzick, R.J. Microfaceting in a tungsten incoherent twin boundary 9—77608
Eaton, H.C. *see* Gipson, G.S. 9—75658
Eaton, J.A. *see* Smits, A.J. 9—90236
Eaton, M.D., Bardsley, B., Melen, R.D., Meindl, J.D. Effects of coarse phase quantization in ultrasound scanners 9—57739
Eaton, M.W. *see* Abrams, G.S. 9—89149, 9—89174
Eaton, R.R. *see* Fox, R.L. 9—94097
Eaton, S.S., DuBois, D.L., Eaton, G.R. Metal-nitroxyl interactions. VI. Analysis of EPR spectra of spin-labeled copper complexes 9—51858
Eaton, S.S., Law, M.L., Peterson, J., Eaton, G.R., Greenslade, D.J. Metal-nitroxyl interactions. VII. Quantitative aspects of EPR spectra resulting from dipolar interactions 9—95647
Eaton, W.A. *see* Greene, B.I. 9—92150
Eaves, L., Portal, J.C. A review of the magneto-impurity effect in semiconductors 9—91081
Eaves, L. *see* Instone, T. 9—60871
Ebata, A. *see* Awakura, Y. 9—70338
Ebata, M. *see* Saito, F. 9—81635
Ebaugh, W.F. *see* Mullineaux, D.R. 9—66726
Ebbeni, J.P.L. The diffracting gauge in extensometry 9—85119
Ebel, J.E., Burdick, L.J., Stewart, G.S. The source mechanism of the August, 7, 1966 El Golfo earthquake 9—66627
Ebel, M. *see* Day, M. 9—73231
Ebel, M.F., Liebl, W. Evaluation of XPS-data of oxide layers 9—65975
Ebeling, K.J. Investigation of cavitation bubble dynamics by high speed ruby laser and argon ion laser holocinematography 9—86147
Ebeling, W., Malchow, H. Bifurcations in a bistalbe reaction-diffusion system 9—79224
Ebeling, W. *see* Wiechert, H. 9—52688
Ebeling, W.D. *see* Rex, D. 9—96472
Eber, N., Hostettler, A., Kurtcuoglu, K., Senn, A. The multipurpose helium refrigerators/liquefiers for the new CERN experimental area 9—58737
Eberhard, J.W., Dutta, P., Horn, P.M. Reply to 'Comment on 1/f noise and its temperature dependence' in silver and copper 9—60940
Eberhard, K.A., Appel, Ch., Bangert, R., Cleemann, L., Eberth, J., Zobel, V. Fusion cross sections for $\alpha+^{40,44}Ca$ and the problem of anomalous large-angle scattering 9—80966
Eberhard, P.H. *see* Green, M.A. 9—54219
Eberhardt, O. Plane elasticity of anisotropic media with antisymmetric stress tensor and its solution from the theory of flux line lattice 9—86338
Eberhardt, P. *see* Maurer, P. 9—53739
Eberhardt, W., Himpsel, F.J. Dispersion and symmetry of oxygen-induced bands on Al (111) 9—61490
Eberhardt, W. *see* Iwan, M. 9—50079
Eberhart, R.C., Burstein, A.H. *(editor)* 1978 Advances in Bioengineering 9—92416
Eberle, H., Matussek, P., Michel-Piper, I., Ottmar, H., Allex, H. Elemental and isotopic concentration analyses on nuclear fuels using nondestructive assay techniques 9—49691
Eberlein, D. *see* Siegel, B. 9—96523
Eberli, B. *see* Feke, G.T. 9—79623
Eberli, B. *see* Riva, C.E. 9—83884
Eberly, J.H. Extended two-level theory of the exponential index of multiphoton processes 9—49998
Eberly, J.H., ONeil, S.V. Coherence versus incoherence: time-independent rates for resonant two-photon ionization 9—54820
Eberly, J.H. *see* Armstrong, L., Jr. 9—59516
Ebersold, P. *see* Dey, W. 9—98252
Ebert, D. *see* Pervushin, V.N. 9—71719, 9—93277
Ebert, D. *see* Volkov, M.K. 9—67550
Ebert, I. *see* Steinike, U. 9—64995
Ebert, J., Pannhorst, H., Kuster, H., Welling, H. Scatter losses of broadband interference coatings 9—50365
Ebert, K. *see* Kessler, A. 9—78618
Ebert, K.H. *see* Basedow, A.M. 9—74375
Ebert, L.J. *see* Gayda, J. 9—61623
Eberth, J. *see* Eberhard, K.A. 9—80966
Eberth, J. *see* Neumann, W. 9—93864
Ebihara, K. *see* Kondoh, M. 9—68048
Ebina, A. *see* Asano, K. 9—83071, 9—99599
Ebina, A. *see* Furumura, Y. 9—61400
Ebina, Y. *see* Koga, K. 9—57640
Ebisawa, H. Acoustic shear impedance of superfluid ^{3}He-B 9—51343
Ebisawa, T. *see* Yamada, S. 9—55044
Ebisu, H. *see* Arakawa, M. 9—65717, 9—65725
Ebisu, H. *see* Nishikawa, H. 9—65091
Ebisu, O. *see* Yamada, K. 9—81457
Ebisuya, M. *see* Takahashi, A. 9—67936
Ebizuka, K. *see* Akizuki, K. 9—57538
Ebner, C., Punyanitya, C. Density-functional theory of simple classical fluids. II. Localized excess electron states 9—55641
Ebrahim, A. Mass of the up quark 9—63461
Ebrahim, N.A., Richardson, M.C., Fedosejevs, R., Feldman, U. Observations consistent with self-generated magnetic fields in CO_2 laser-produced plasmas 9—98970
Ebright, R.P. *see* Overley, J.C. 9—51131
Eccles, J.C. Synaptic plasticity 9—74643
Eccleshall, D., Temperley, J.K., Hollandsworth, C.E. Charged, internally switched transmission line configurations for electron acceleration 9—72024
Eccleston, G.W. *see* Crane, T.W. 9—81067
Echaniz, G. *see* Tinaut, D. 9—74496
Echard, J.D. *see* Metcalf, J.I. 9—58111
Echegut, P. *see* Villeneuve, G. 9—77579
Echegut, P. *see* Vlasse, M. 9—90618
Echeimeier, R.H. A simplified technique for clearing cellulose lab filters 9—80676
Echenique, P.M. *see* Barberan, N. 9—78147
Echevarria, J. *see* Roth, M. 9—92805
Echigo, R. *see* Akiba, M. 9—94772
Echlin, P. Low-temperature biological scanning electron microscopy and X-ray microanalysis 9—74818
Echt, O., Graf, H., Holzschuh, E., Recknagel, E., Weidinger, A., Wichert, T. Application of μSR to radiation damage in metals 9—56702
Eck, J.van *see* van Eck, J.
Eck, R. *see* Bildstein, H. 9—57046
Eckardt, C.J., Muller, H., Eckardt, H., Chance, R.R. Electronic spectra and structure of polydiacetylene crystals 9—73923
Eckardt, H. *see* Eckardt, C.J. 9—73923
Eckardt, R.C. *see* Golecki, I. 9—77952
Eckart, G. *see* Holzwarth, G. 9—89259
Eckart, M.J., Baldwin, K.G.H. The width of H_α in an atomic hydrogen atmosphere 9—64834
Eckbreth, A.C. *see* Murphy, D.V. 9—74476
Eckelmann, H. *see* Kastrinakis, E.G. 9—72973
Eckelmann, H. *see* Kreplin, H.-P. 9—72949, 9—77250
Eckels, P. *see* Jassby, D.L. 9—50898
Eckels, P.W. *see* Janocko, M.A. 9—58741
Eckels, P.W. *see* Murphy, J.H. 9—63236
Eckelt, P. An alternative approach to the semi-classical correspondence relations 9—75384
Ecker, G. Beyond the single Z boson hypothesis 9—54295
Ecker, G., Kaschuba, K., Riemann, K.-U., Schumacher, A. Volume forces in weakly ionized plasmas 9—73055

Eckert, H.U. Theory of trace element detection from a static thermal induction plasma 9−87919
Eckert, J. *see* Tarvin, J.A. 9−61104
Eckert, R. *see* Brehm, P. 9−79488
Eckert, R.J. *see* Natelson, M. 9−67931
Eckert, R.R. Particulate air contamination in Puerto Rico: a student involvement project 9−58504
Eckhardt, C.J. *see* Eckhardt, H. 9−82991
Eckhardt, C.J. *see* Merski, J. 9−61392
Eckhardt, G., Anderson, C.L., Hess, L.D., Krumm, C.F. Laser-annealed ohmic contacts for GaAs microwave devices 9−73584
Eckhardt, H., Eckhardt, C.J., Yee, K.C. Thermal effects on the optical spectra of a polydiacetylene: poly{1,2-bis[4-(isopropylcarbamoyloxy)-n-butyl]-1-buten-3-ynylene} 9−82991
Eckhardt, H. *see* Luhrmann, R. 9−83697
Eckhardt, R.C., Hinsley, R., Piltch, M., Rockwood, S. CF_4 laser oscillator-amplifier measurements: small signal gain and self-absorption 9−59683
Eckhardt, W. Coherence properties of blackbody radiation between parallel plates 9−85107
Eckl, W., Fluss, H.J., Hallwachs, H. Calculation of extinction and scattering in the wavelength range from 0.25 to 15 μm by hydrometeors and for general German weather situations 9−53501
Ecklund, S., Gerig, R., MacLachlan, J., Pruss, S. Improved chromaticity control for 100 GeV storage at Fermilab 9−76187
Eckman, R. *see* Ackerman, J.L. 9−97410
Eckmann, J.-P., Epstein, H. Borel summability of the mass and the S-matrix in ϕ^4 models 9−89054
Eckseler, H. *see* Herzig, C. 9−86918
Eckstein, S.G., Eckstein, Y., Olsen, J.L., Sigg, H. Surface deformation and surface motion due to standing second sound waves in helium II 9−55984
Eckstein, W. *see* Staudenmaier, G. 9−98983
Eckstein, Y. Review of heat flow data from the eastern Mediterranean region 9−70770
Eckstein, Y. *see* Eckstein, S.G. 9−55984
Eckstrom, D.J., Perry, B.E., Tang, K.Y. Molecular-iodine laser studies at low e-beam excitation rates 9−86163
Eckstrom, D.J. *see* Bischel, W.K. 9−68382
Ecob, R.C., Bee, J.V., Ralph, B. The structure of the β-phase in dilute copper-titanium alloys 9−55700
Economou, E.N. Green's functions in quantum physics 9−65147
Economou, E.N. *see* Papaconstantopoulos, D.A. 9−56354, 9−95318
Economou, E.N. *see* Zdetsis, A.D. 9−73614
Economou, J.E., Spector, H.N. Interaction of acoustic waves and microwave radiation fields: depletion and mixing effects 9−90056
Economou, N.A. *see* Kyriakos, D.S. 9−73719, 9−99567
Ecsedi, I. On the estimation of the torsional rigidity of prismatic bars 9−88808
Eda, K. Transient conduction phenomena in non-Ohmic zinc oxide ceramics 9−91057
Eda, K., Iga, A., Matsuoka, M. Current creep in nonohomic ZnO ceramics 9−69514
Eda, K., Matsuoka, M. Current oscillation phenomena in nonohmic ZnO ceramics 9−69515
Edahiro, T., Chida, K., Omori, Y., Okazaki, H. Fabrication techniques for graded index optical fibers 9−59851
Edahiro, T., Chida, K., Omori, Y., Okazaki, H. Fabrication technique for graded index optical fibers 9−59856
Edahiro, T., Horiguchi, M., Chida, K., Ohmori, Y. Spectral loss characteristics of GeO_2-P_2O_5-doped silica graded-index fibres in long-wavelength band 9−59811
Edahiro, T., Kawachi, M., Sudo, S., Takata, H. OH-ion reduction in VAD optical fibres 9−94376
Edahiro, T. *see* Chida, K. 9−55255, 9−59852
Edahiro, T. *see* Shibata, N. 9−86255
Eddington, R.I., Kenning, D.B.R. The effect of contact angle on bubble nucleation 9−94702
Edeling, M., Schmutzler, R.W., Hensel, F. The electrical conductivity of liquid sulphur 9−91050
Edelman, C. *see* Dvorak, R. 9−101050
Edelman, F.L. The structure of silicon nitride films. III. Oxidation of silicon nitride−defects 9−51455
Edel'man, I.S., Kononov, V.P., Vasil'ev, G.G., Dustmuradov, G., Suvorov, V.M. Magnetic dichroism of thin $CdCr_2Se_4$ films 9−99966
Edel'man, I.S. *see* Burlakova, R.F. 9−69815
Edelman, N.H. *see* Doblar, D.D. 9−100652
Edelman, N.H. *see* Min, B.G. 9−100639
Edelmann, J., Fischer, G., Krumphold, R., Wetzig, K., Zies, G. Applications of in-situ-techniques for investigations of crack and fracture behaviour in the scanning electron microscope 9−96240
Edelmann, L. Demonstration of Rb^+, Cs^+, and Na^+ localization in single muscle fibers by autoradiography at 77K 9−96726
Edel'shtein, Yu.G. *see* Arkhipova, T.A. 9−72686, 9−72695
Edel'shteyn, G.B. The size of the electron source in a field-emission gun for electron microscopes 9−71575
Edelson, D., Noyes, R.M. Detailed calculations modeling the oscillatory Bray-Liebhafsky reaction 9−91931
Edelstein, A.S. *see* Majewski, R.E. 9−78310, 9−91209
Edelstein, N. *see* Thornton, G. 9−72355
Edelstein, S.A., Cooke, W.E. Resonance-ionization velocimeter 9−82002
Edelstein, V.M. About investigations of excitonic molecules in direct semiconductors 9−61438
Edelstein, W.A. *see* Drever, R.W.P. 9−93033
Eden, A. *see* Mansfield, R.G. 9−83634
Eden, D.D. *see* Chivian, J.S. 9−97431
Eden, G., Burnham, R., Champagne, L.F., Donohue, T., Djeu, N. Visible and UV lasers: problems and promises [diverse applications] 9−59705
Eden, J.G., Golden, J., Mahaffey, R.A., Pasour, J.A., Waynant, R.W. Efficient XeF laser excited by a proton beam 9−98344
Eden, J.G., Waynant, R.W. HgBr and HgI B-state quenching rate constants 9−54877
Edenius, M. A note on refueling schemes for BWR cores 9−49723
Edenius, M., Wiksell, G. Benchmarking of CASMO against the Oskarshamn I BWR with Gd-loaded fuel 9−81039
Eder, G., Dorninger, C., Jasicek, H., Riehs, P., Muller, H.H., Pruys, H., Reichart, W., Schober, P. Measurements of pre- and postfission neutrons of the $^{238}U(\alpha,xnf)$-reaction at E_α=50 MeV 9−76042
Eder, G. *see* Leeb, H. 9−93630
Eder, O.J., Kunsch, B., Suda, M., Erdpresser, E., Stiller, H., Weinzierl, P. The structure factor of liquid nickel at 1873K 9−77490
Eder, O.J. *see* Blaschko, O. 9−65038
Eder, O.J. *see* Kunsch, B. 9−63215
Ederer, D.L., Lucatorto, T.B., Mehlman, G. Photoabsorption spectrum of Mg I in the range 226-170 Å (54-70 eV) 9−72262
Ederer, D.L. *see* Stockbauer, R. 9−98167
Edgar, A. Dielectric relaxation and EPR studies of Gd^{3+}-F_I^- dipoles in strontium and barium fluoride 9−56608
Edgar, A., Jones, G.D., Presland, M.R. Optical and EPR spectra of hydrogenated and deuterated crystals of calcium fluoride containing erbium 9−61209
Edgar, B.C. *see* Chiu, Y.T. 9−84557
Edge, R.D. *see* Bill, U. 9−51400
Edge, R.D. *see* Dam, S.H. 9−85536
Edge, R.W. Battery operated respiratory phase detector system 9−100770
Edgerley, D.A. *see* Rowe, M.W. 9−52764
Edgerton, M.T. *see* McDonald, W.E. 9−83804
Edgington, D.N. *see* Robbins, J.A. 9−66728
Edgington, J.A. The estimation of asymmetries from incomplete azimuthal angular distributions 9−81142
Edgington, J.A. *see* Bugg, D.V. 9−67594
Edington, J.W. *see* Bricknell, R.H. 9−83210, 9−83254
Edington, J.W. *see* Henshall, J.L. 9−61701
Edlen, B. Accurate semi-empirical formulae for the energy structure of Li I-like spectra 9−49970
Edlen, B. A critical survey of the low configurations in Be I-like spectra 9−93940
Edlund, U. *see* Albano, C. 9−52796
Edmon, H.J., Jr. A reexamination of limited-area available potential energy budget equations 9−53453
Edmonds, A.R., Pullen, R., Picart, J., Tran Minh, N. Tables for the computation of radial integrals in the Coulomb approximation 9−89639
Edmonds, B. *see* McLure, I.A. 9−69322
Edmonds, D.T. A reversible electrostatic channel for ion transport 9−96356
Edmonds, D.V., Jones, P.N. Interfacial embrittlement in liquid-phase sintered tungsten heavy alloys 9−57101
Edmonds, D.V. *see* Bee, J.V. 9−61559
Edmonds, D.V. *see* Benson, J.P. 9−74247
Edmonds, D.V. *see* Bhadeshia, H.K.D.H. 9−74251, 9−100134
Edmonds, D.V. *see* Law, N.C. 9−96033
Edmonds, E.A., Durrani, S.A. Relationships between thermoluminescence, radiation-induced electron spin resonance and track etchability of Lexan polycarbonate 9−76295
Edmonds, P.D., Stolzenberg, S.J., Torbit, C.A., Madan, S.M., Pratt, D.E. Postpartum survival of mice exposed in utero to ultrasound 9−96610
Edmondson, C.A. *see* White, G.O. 9−78531, 9−82762
Edneral, A.F. *see* Shaposhnikov, N.G. 9−100145
Edneral, N.V. *see* Varli, K.V. 9−83239
Edneral, V.F., Troshin, S.M. Effect of spin in the behaviour of angular distributions at large momentum transfers 9−80849
Edrich, J. Centimeter- and millimeter-wave thermography−a survey on tumor detection 9−100690
Edrich, J. *see* Gautherie, M. 9−100693
Edrich, J. *see* Robert, J. 9−100694
Edsinger, R.W., Warren, A.W., Gordon, L.H., Chang, G.C. SIMWEST a simulation model for wind energy storage systems 9−52872
Edwall, G. Improved antimony-antimony (III) oxide pH electrodes 9−53270
Edward, D., Jr. Ion and electron desorption of neutral molecules from stainless steel (304) 9−83507
Edward, G.H., Ashby, M.F. Intergranular fracture during power-law creep 9−96105
Edwards, A.A., Lloyd, D.C., Purrott, R.J. Radiation induced chromosome aberrations and the Poisson distribution 9−100675
Edwards, A.A. *see* Whillock, M.J. 9−49917
Edwards, A.H. F-center photoionization in the semicontinuum model 9−99509
Edwards, A.L., Fleck, J.A., Jr. Two-dimensional modeling of aerosol-induced breakdown in air 9−90368
Edwards, A.W. *see* Bussey, P.J. 9−75778, 9−80829
Edwards, B.J., Kamal, A.N. pp scattering in $^1D_2$ state 9−63506
Edwards, B.P. Computer based sun following system 9−83573
Edwards, D. Intersil ICL 7106 DVM evaluation kit 9−80599
Edwards, D., Jr. NeutraL molecule desorption from SS(304) and Al(6061) due to particle bombardments 9−76213
Edwards, D., Jr. Heat of vaporization spectrometer 9−82453
Edwards, D., Jr. Cold formed wire connector 9−88929
Edwards, D., Jr. The influence of virtual leaks on the pressure in high and ultra-high vacuum systems 9−97398
Edwards, D., Jr. *see* Aggus, J. 9−76199
Edwards, D., Jr. *see* Schneider, W.J. 9−70388
Edwards, D.G. Some characteristics of a 100 kV plasma-jet switch 9−55574
Edwards, D.N. *see* Armstrong, T.A. 9−85344
Edwards, D.N. *see* Evangelista, C. 9−75788, 9−80843
Edwards, D.O., Feder, J.D., Gully, W.J., Ihas, G.G., Landau, J., Muething, K.A. Thermal contact in liquid ^{3}He down to 0.4 mK 9−69312
Edwards, D.O., Mantz, I.B., Nayak, V.S. Heat conduction by ripplons on the surface of ^{4}He 9−51375
Edwards, D.S. *see* Jackson, W.J. 9−83395
Edwards, F. *see* Wrede, D. 9−53250
Edwards, F.H., Coffey, C.W., II. A cumulative normal distribution model for simulation of electron beam profiles 9−88199
Edwards, F.M. *see* Abadir, R. 9−62344
Edwards, G. *see* Morbey, C.L. 9−75198
Edwards, G.R. Selection of ultrasonic probes 9−52558
Edwards, H. *see* Walton, J. 9−76204
Edwards, J.E. Flow measurement practice 9−81998
Edwards, J.G., Heckler, M.K., Bradford Thompson, H. Computer automation of data acquisition from a Knudsen, torsion-effusion pendulum 9−49214
Edwards, L.E. Range charts and no-space graphs 9−62504
Edwards, M. *see* Evangelista, C. 9−75788, 9−80843
Edwards, P.P. Comments on the magnitude and sign of the quasifree electron energy in the rare-gas solids as inferred from ESR studies of Frenkel impurity states 9−69459
Edwards, P.P., Buntaine, J.R., Sienko, M.J. Electron- and nuclear-spin-lattice relaxation and the metal-nonmetal transition in lithium-methylamine solutions 9−87306
Edwards, P.P., Catterall, R. Density of states in the gap of a disordered material using ESR/optical correlations 9−61201
Edwards, P.P. *see* Catterall, R. 9−78502
Edwards, R.H. Low-density flows through tubes and nozzles 9−94658
Edwards, R.N., Lee, H., Nabighian, M.N. On the theory of magnetometric resistivity (MMR) methods 9−53531
Edwards, S. Line profiles in the YY Orionis star S Coronae Austrinae 9−84808
Edwards, S.E. *see* Gould, C.R. 9−89527
Edwards, S.F. Disordered systems as quantum field theories 9−65354
Edwards, S.F. The density of states of the Schrodinger equation with a random potential 9−65414
Edwards, S.F., Griffin, W.G. On the relationship between long-time correlations and replica correlations in disordered systems 9−75437
Edwards, S.F., Warner, M. A dislocation theory of crystal melting and of glasses 9−99298
Edwards, S.F. *see* Doi, M. 9−90292

Edwards, T.J., Maurer, G., Newman, J., Prausnitz, J.M. Vapor-liquid equilibria in multicomponent aqueous solutions of volatile weak electrolytes 9—51243
Edwards, T.J. *see* Hillenbrand, J. 9—98562
Edwards, W., Pritchard, G., Stokes, F.C. Lattice images of carbon fibres treated with intercalating agents 9—64993
Edwards, W.H., Hampson, N.A. The formation of Plante cells using a nitrate process 9—96437
Edwood, P.D. *see* Garner, C.M. 9—69586
Eendebak, B.T., van Otterloo, R.W. New evaluation of the Rasmussen report, and the Dutch [nuclear reactor] safety studies 9—81016
Eenmaa, J. *see* Weaver, K.A. 9—70646
Eerden, J.P.Van Der *see* Van Der Eerden, J.P.
EerNisse, E.P. Stress in thermal SiO_2 during growth 9—91812
Eesley, G.L., Smith, J.R. Enhanced Raman scattering on metal surfaces 9—99882
Eesley, G.L. *see* Levenson, M.D. 9—58798
Efendiev, A.Z. *see* Shaikhov, D.A. 9—56339
Efeshin, A.N. *see* Bondarenko, V.V. 9—97834
Efetov, K.B. Fluctuations in layered superconductors in a parallel magnetic field 9—78262
Effantin, C. *see* Verges, J. 9—59504
Effenberger, H., Zemann, J., Mayer, H. Carlfriesite: crystal structure, revision of chemical formula, and synthesis 9—55709
Effert, S. *see* Meyer, J. 9—70628
Efimenko, B.A. *see* Androsenko, P.A. 9—93760
Efimkov, V.F., Zubarev, I.G., Kotov, A.V., Mironov, A.B., Mikhailov, S.I., Pasmanik, G.A., Smirnov, M.G., Shilov, A.A. Inertia of Mandelstam-Brillouin stimulated scattering and nonthreshold reflection of short pulses with reversal of the wave front 9—98445
Efimkov, V.F. *see* Grasyuk, A.Z. 9—89965
Efimov, A.A. *see* Malevskii, Yu.B. 9—83200
Efimov, A.B., Zharkov, V.N., Trubitsyn, V.P. Presentation of results obtained in the theory of planetary figures 9—96934
Efimov, A.I., Yakovlev, O.I., Razmanov, V.M., Rogal'skii, V.I., Shtrykov, V.K. Energy spectrum of radio waves emitted by the Venera 10 craft during radio transillumination of the near-Sun medium and a determination of the characteristics of the plasma turbulence 9—88560
Efimov, A.I. *see* Kolosov, M.A. 9—80295
Efimov, A.I. *see* Timofeeva, T.S. 9—80254
Efimov, A.I. *see* Yakovlev, O.I. 9—62777
Efimov, A.M. Using dispersion formulas to describe the index of refraction frequency dependence. Present and future developments 9—65825
Efimov, B.A. *see* Erasova, N.A. 9—87054
Efimov, B.N. *see* Gryazev, V.M. 9—97865
Efimov, I.A., Lopatin, Yu.V., Mamaev, L.I., Rysev, A.M., Stabrovskii, S.A., Ushakov, V.M., Filonov, V.S. Protection of the sodium-cooled fast reactor during core melt-down 9—76101
Efimov, I.T. *see* Vishnevskii, F.N. 9—52821
Efimov, N.A., Zvonov, V.A., Efimova, L.Ya. Investigation of the effect of the nature of an applied voltage on the flow of benzene 9—83464
Efimov, N.N. *see* Berezhko, I.A. 9—96870
Efimov, N.N. *see* Grigor'ev, V.M. 9—80168, 9—80169
Efimov, S.P. Compression of electromagnetic waves by anisotropic media ('nonreflecting' crystal model) 9—81335
Efimov, S.P., Muratov, R.Z. Interference theorems of scattering theory in vector problems of low-frequency diffraction 9—86115
Efimov, V. Low-energy properties of three-resonantly interacting particles 9—54017
Efimov, V.A. *see* Chetkareva, L.E. 9—71520
Efimov, V.N. On the processing of experimental data using the theory of creep with anisotropic hardening 9—76981
Efimov, V.N. *see* Afanas'ev, V.A. 9—89400
Efimov, V.N. *see* Gryaev, V.M. 9—97877
Efimov, Yu.S. On the variation in the period of the light fluctuations of Nova Cygni 1975 9—97012
Efimov, Yu.V. *see* Savitskii, E.M. 9—57007
Efimova, I.G. *see* Vasil'ev, E.N. 9—81327
Efimova, L.Ya. *see* Efimov, N.A. 9—83464
Efimova, T.V., Polotnyuk, V.V., Borisova, V.I. On magnetic methods for the study of martensitic transformations in ferromagnetic alloys 9—87631
Efimova, T.V. *see* Aksenow, W.I. 9—62646
Efimovskaya, T.V. *see* Morozova, L.P. 9—61545
Efird, K.D., Lee, T.S. Putrid sea water as a corrosive medium 9—91838
Efremenko, V. *see* Ammosov, V. 9—71737
Efremenko, V.I., Gorichev, P.A., Kaftanov, V.S., Kliger, G.K., Kolganov, V.Z., Krutchinin, S.P., Kubantsev, M.A., Makhlyueva, I.V., Shevchenko, V.G., Berge, J.P., Bogert, D., Endorf, R., Hamilton, D., Hanft, R., Malko, J., Harigel, G., Moffatt, G., Nezrick, F.A., Smart, W., Wolfson, J., Ammosov, V.V., Denisov, A.G., Ermolov, P.F., Gapienko, G.S., Gapienko, V.A., Klyukhin, V.I., Koreshev, V.I., Pitukhin, P.V., Rjabov, Y.G., Slobodyuk, E.A., Sirotenko, V.I., Bell, J., Coffin, C.T., Diamond, R.N., French, H., Louis, W., Roe, B.P., Ross, R.T., Seidl, A.A., Sinclair, D. $\bar{\nu}_\mu$p and $\bar{\nu}_\mu$n charged-current interactions unfolded from high energy $\bar{\nu}_\mu$ interactions in neon 9—75763
Efremenko, V.I. *see* Bayukov, Y.D. 9—85475, 9—93623
Efremenko, V.I. *see* Bayukov, Yu.D. 9—49538
Efremenko, V.I. *see* Berge, J.P. 9—71741
Efremov, G.M., Petrov, A.A. The possibility of using vibronic spectra of the CS molecule for isotopic analysis of sulfur 9—50041
Efremov, I.F. *see* Feting, N.A. 9—64617
Efremov, I.M. *see* Baranovskii, S.I. 9—81950
Efremov, V.A., Kalinin, V.B. Determination of the crystal structure of $Na_3Sc_2(PO_4)_3$ 9—60341
Efremov, V.A. *see* Vasilev, E.V. 9—52020
Efremov, V.S. Paraxial calculation of two-component pancratic systems containing mirror components 9—72661
Efremov, Y.N., Nikolov, N.S. On the intrinsic colours of Cepheids 9—84797
Efremova, V. *see* Bratanov, K.T. 9—66463
Efrima, S., Bixon, M. A stochastic solvent model for electron exchange reactions 9—68312
Efrima, S., Metiu, H. Classical theory of light scattering by an adsorbed molecule. I. Theory 9—51944
Efrima, S., Metiu, H. Light scattering by a molecule near a solid surface. II. Model calculations 9—56069
Efrima, S. *see* Matsubara, T. 9—94010
Efron, R., Yund, E.W., Divenyi, P.L. Individual differences in the perception of dichotic chords 9—88082
Efros, A.L., Nguyen Van Lien, Shklovskii, B.I. Impurity band structure in lightly doped semiconductors 9—69461
Efros, A.L. *see* Baranovskii, S.D. 9—51465, 9—73418
Efros, Al.L. *see* Gel'mont, B.L. 9—90959
Efros, B.M. *see* Bogachev, I.N. 9—83334
Efros, M.D. *see* Tabulina, L.V. 9—51426
Efros, V.D. Construction of symmetrized bases for several particles 9—80882
Efstathiou, C.E., Malmstadt, H.V. Microcomputer-controlled multisample rotating-disk colorimeter 9—80663
Eftaxias, C.A., Euthymiou, P.C., Nomicos, C.D. Magnetophotoconductivity of semi-insulating GaAs as a function of etching time 9—56265
Efthimion, P. *see* Eubank, H. 9—82074
Efthimion, P.C., Arunasalam, V., Bitzer, R., Campbell, L., Hosea, J.C. A fast-scanning heterodyne receiver for measurement of the electron cyclotron emission from high-temperature plasmas 9—90463
Efthimion, P.C. *see* Bitter, M. 9—82098
Eftimiu, C. *see* Medgyest-Mitschang, L.N. 9—72460
Egami, T. Structure of magnetic amorphous alloys studied by energy dispersive X-ray diffraction 9—73100
Egami, T. *see* Graham, C.D., Jr. 9—65665
Egami, T. *see* Hatta, S. 9—73690
Egami, T. *see* Mely Chen Chi 9—73722
Egami, T. *see* Prater, J.T. 9—78338, 9—78383, 9—78389
Egami, T. *see* Waseda, Y. 9—56995
Egan, J.J. *see* Delcet, J. 9—52173
Egan, J.J. *see* Sullivan, N.B. 9—59058
Eganov, V.S. *see* Avakyan, R.O. 9—59051
Egawa, J. *see* Hayakawa, Y. 9—92352
Egawa, K. *see* Imai, K. 9—97706
Egdell, R.G., Fragala, I.L., Orchard, A.F. He(II) photoelectron spectra of the Group IVB tetrachlorides 9—98152
Egdell, R.G. *see* Thornton, G. 9—72355
Egelhof, P., Barrette, J., Braun-Munzinger, P., Dreves, W., Gelbke, C.K., Kassen, D., Steffens, E., Weiss, W., Fick, D. Vector analyzing power in the elastic scattering of ^{6}Li by ^{4}He 9—67737
Egelhoff, W.F., Jr., Tibbetts, G.G. Growth of copper, nickel, and palladium films on graphite and amorphous carbon 9—77947
Egelhoff, W.F., Jr. *see* Tibbetts, G.G. 9—82476
Egelstaff, P.A., Teitsma, A. Three-body-potential contribution to the structure of krypton gas 9—90358
Egemberdiev, Zh., Zazubovich, S., Jaanson, N., Seeman, V. Polarized luminescence and EPR study of Sn^+ centres in KCl:$SnCl_2$ crystals 9—65076
Egemo, C.L. *see* Riley, J.L. 9—83888
Eger, D., Goldstein, Y. Quantization effects in ZnO accumulation layers in contact with an electrolyte 9—60920
Eger, D. *see* Margoninski, Y. 9—51653
Eger, D. *see* Zemel, A. 9—99639
Eger, Kh.U. *see* Kirkhbakh, M. 9—59004
Egerev, S.V. *see* Dunina, T.A. 9—95083
Egerev, S.V. *see* Gorodetskii, V.S. 9—64393
Egerszegi, L. *see* Bachmann, R. 9—54592
Egerton, R.F. Formulae for light-element microanalysis by electron energy-loss spectrometry 9—61935
Egerton, R.F. Characterization of intercalation compounds by electron energy-loss spectrometry 9—95054
Egerton, R.F. *see* Maher, D.M. 9—100000
Eggarter, T.P. *see* Nauciel-Bloch, M. 9—76327
Eggen, D.T. *see* Scale, T.J. 9—85614
Eggen, O.J. Catalogs of proper-motion stars. I. Stars brighter than visual magnitude 15 and with annual proper motion of 1″ or more 9—58275
Eggen, O.J. The often-discovered subdwarf binary +11° 4571 9—62874
Eggen, O.J. Luminosity and motion of large proper-motion stars. I. Stars with annual proper motion larger than 1″ 9—71020
Eggenhuisen, H.H. *see* Aarts, H.J.M. 9—67625
Egger, J. Dynamics of blocking highs 9—58020
Egger, J. Stability of blocking in barotropic channel flow 9—96785
Egger, J. *see* Collares-Pereira, M. 9—62112
Egger, J.-P. *see* Corfu, R. 9—85538
Egger, J.-P. *see* Lunke, C. 9—85537
Egger, J.-P. *see* Piffaretti, J. 9—85511
Egger, J.-P. *see* Preedom, B.M. 9—97677
Eggermont, G.E.J., Tamminga, Y., Hofker, W.K. Elemental and dose dependent threshold for Nd-YAG laser induced recrystallization of silicon 9—69131
Eggermont, G.E.J. *see* Hermans, L.J.F. 9—98844
Eggermont, G.E.J. *see* Hofker, W.K. 9—74024, 9—83063
Eggers, D.F., Jr. *see* Martin, R.L. 9—59597
Eggers, G.H. *see* Schuster, J.R. 9—52903
Eggers, K.A., Tetzlaff, G. A simple model for describing the heat balance of a shallow lake with application to Lake Chad 9—66716
Eggert, K. *see* Chilingarov, A. 9—54365, 9—54368
Eggins, R.G., Kennard, C.H.L. The use of ultrasonics for cleaning crystals 9—49216
Eggins, R.G., Kennard, C.H.L. A comment on 'a simple method for measuring crystal densities' (Zamvil, Pludow & Fucaloro, 1978) 9—51014
Eggleston, J., Dallarosa, J., Bischel, W.K., Bokor, J., Rhodes, C.K. Generation of 16-μm radiation in $^{14}NH_3$ by two-quantum excitation of the $2\nu^-_2(7,5)$ state 9—86165
Eggleton, A.E.J. *see* Derwent, R.G. 9—62552
Eggleton, A.E.J. *see* Penkett, S.A. 9—84351, 9—84352
Eggleton, P.P. *see* Morgan, J.G. 9—67029
Egiazaryan, A.M., Rostomyan, A.G., Grigorvan, A.M., Bezirganyan, P.A. The study of optimal conditions of X-holograms recording 9—93266
Egiazaryan, G.A., Karakushan, E.I., Manzelyan, Yu.S., Murygin, V.I., Fattakhdinov, A.U. Silicon magnetodiodes with polar magnetosensitivity 9—73579
Egiazaryan, G.S. *see* Belyaeva, A.I. 9—73788
Egidi, A. *see* Bavassano-Cattaneo, M.B. 9—58211
Egidy, T.von *see* von Egidy, T.
Egle, D.M. A stochastic model for transient acoustic emission signals 9—72749
Egle, D.M., Bray, D.E. Application of the acousto-elastic effect to rail stress measurement 9—91870
Egleman, E. *see* Weng, W.T. 9—72062
Eglit, M.E. *see* Danilova, E.M. 9—66717
Egmond, N.D.van *see* van Egmond, N.D.
Egolf, C.A. *see* Panofsky, H.A. 9—79913
Egorenkov, A.I. *see* Egorenkov, N.I. 9—70292
Egorenkov, N.I., Egorenkov, A.I. Structure-time analogy in the adhesion of polymer films 9—70292
Egorenkov, N.I., Tishkov, N.I. Adhesion of polyethylene coatings obtained in a vacuum 9—61793
Egorenkov, N.I., Tsyganok, V.N. The influence of crystallization on the adhesive and cohesive properties of polyethyleneterephthalate films 9—56100
Egorenkov, N.I. *see* Tishkov, N.I. 9—93253
Egorkina, G.V., Egorova, L.M., Sokolova, I.A., Garetovskaya, I.V., Dvoskina, T.D., Rakitov, V.A. New data about structure and age of the Armenian territory foundation 9—74874
Egorov, A.I. *see* Altarev, I.S. 9—75775
Egorov, B.N. *see* Abrosimov, V.M. 9—56252
Egorov, B.V. *see* Alferov, Zh.I. 9—56301, 9—70451
Egorov, F.F., Storozh, B.D. Sintering behavior of materials based on alumina and titanium and zirconium nitrides 9—95986
Egorov, G.N. An industrial method for monitoring the quality of the glazed surface of electric insulators 9—61813
Egorov, G.S., Myakishev, V.A., Stepanov, N.S. Some lecture demonstrations on the statistical properties of wave fields 9—67130
Egorov, I.V. *see* Gusev, E.A. 9—88911

Egorov, K.G. *see* Goncharov, L.A. 9—95042
Egorov, N.N., Kharitonov, A.V. Diffraction of shear normal modes by a surface crack in an elastic plate 9—94549
Egorov, N.P. *see* Burtsev, V.A. 9—55597, 9—64950
Egorov, T.A. *see* D'yakonov, M.N. 9—80151
Egorov, T.A. *see* Krasil'nikov, D.D. 9—80115
Egorov, V.I. *see* Vagin, L.N. 9—72538
Egorov, V.N. *see* Panteleev, G.V. 9—55225
Egorov, V.S. *see* Varyukhin, S.V. 9—51552
Egorov, Yu.A. *see* Abil'siitov, G. 9—94254
Egorov, Yu.K. *see* Sakkilari, A.V. 9—95981
Egorov, Yu.P., Khazanov, I.O., Korzunin, Yu.K. Semiautomatic equipment for registering the results of quantitative metallographic analysis 9—87767
Egorov-Tismenko, Yu.K. *see* Bondareva, O.S. 9—82192, 9—86765
Egorov-Tismenko, Yu.K. *see* Kazanskaya, E.V. 9—86764
Egorova, G.D. *see* Shkirman, S.F. 9—85994
Egorova, L.M. *see* Bershtein, V.A. 9—55016
Egorova, L.M. *see* Egorkina, G.V. 9—74874
Egorova, L.V. Interferometers for Fourier spectroscopy 9—75612
Egorova, L.V., Kiselev, B.A. Limiting possibilities of wide-field spectrometers with selective interference 9—54203
Egorova, S.A. *see* Bolotina, N.E. 9—66343
Egorushkin, V.E., Kul'mentsev, A.I., Nazhalov, A.I., Fadin, V.P. New method of calculating the electron structure of alloys with long- and short-range order 9—99471
Egoryan, E. Parity violation in atoms for supersymmetric model of weak and electromagnetic interactions 9—54294
Egri, I. A simple model for the unified treatment of Wannier and Frenkel excitons 9—69422
Eguchi, K. *see* Terai, R. 9—93745
Eguchi, R.T. *see* Selzer, L.A. 9—84184
Eguchi, T., Hanson, A.J. Self-dual solutions to Euclidean gravity 9—85037
Eguchi, T. *see* Kuwano, N. 9—95029
Eguchi, T. *see* Oki, K. 9—100137
Eguiluz, A. Density response function and the dynamic structure factor of thin metal films: Nonlocal effects 9—69447
Eguren, J. *see* Luque, A. 9—61999
Egusa, T. ρ, ω meson-nucleon scattering and quark multiple scattering model 9—54349
Egusa, T. ϕ meson-nucleon cross sections and quark multiple scattering model 9—54350
Ehhalt, D.H. Measurement of stratospheric trace gases 9—53003
Ehhalt, D.H. The atmospheric circulation of methane 9—84424
Ehhalt, D.H. *see* Fabian, P. 9—84384
Ehinger, M.H., Crawford, J.M. Measurement system performance during cold checkout runs at the BNFP [nuclear instrumentation] 9—85748
Ehlers, K.W., Leung, K.N. Some characteristics of tungsten filaments operated as cathodes in a gas discharge 9—50913
Ehlers, K.W., Leung, K.N., Williams, M.D. A mass spectrometer for analyzing hydrogen-ion species 9—89039
Ehlert, T.C. *see* Wilkie, C.A. 9—51862
Ehnholm, G.J., Ekstrom, J.P., Jacquinot, J.F., Loponen, M.T., Lounasmaa, O.V., Soini, J.K. Evidence for nuclear antiferromagnetism in copper 9—78538
Ehnholm, G.J. *see* Ahola, H. 9—63212
Eholie, R. *see* Houenou, P. 9—83180
Ehrburger, F., Donnet, J.-B. Thermally stimulated depolarization (TSD) currents in adsorbed phases on silica 9—78611
Ehrburger, P. *see* Kappler, P. 9—52781
Ehrenberg, M. *see* Rigler, R. 9—62193
Ehrenburg, D.O. Biaxial analogs of triaxial stresses 9—55345
Ehrenreich, H., Martin, J.H. Solar photovoltaic energy 9—100530
Ehret, H.P. *see* Bechtold, V. 9—68012
Ehret, J.E. *see* Yeo, Y.K. 9—99542
Ehrfeld, U. *see* Becker, E.W. 9—49825, 9—94654
Ehrfeld, W. *see* Becker, E.W. 9—49825, 9—94654
Ehrhardt, J.J. *see* Alnot, M. 9—69344
Ehrhardt, K.D. *see* Krasser, W. 9—56805
Ehrhart, P., Koran, P., Gnettner, W. Relative change of the electron density of the Cu nucleus in Cu-Ag alloys 9—99519
Ehrhart, P., Schonfeld, B. Investigation of electron-irradiated zinc by diffuse X-ray scattering. I. Self-interstitials in zinc 9—73213
Ehrhart, P. *see* Schonfeld, B. 9—73214
Ehrlich, A.C. *see* Bailey, G.C. 9—56600
Ehrlich, A.C. *see* Pecora, L. 9—56883
Ehrlich, D.J., Moulton, P.F., Osgood, R.M., Jr. Ultraviolet solid-state Ce:YLF laser at 325 nm 9—72574
Ehrlich, D.J., Osgood, R.M., Jr. Energy extraction from metastable excimers—Hg_2 as an energy storage medium 9—59677
Ehrlich, D.J., Osgood, R.M., Jr. Alkali-metal resonance-line lasers based on photodissociation 9—72560
Ehrlich, D.J. *see* Deutsch, T.F. 9—100061
Ehrlich, G. *see* Brass, S.G. 9—73393
Ehrlich, G. *see* Polizzotti, R.S. 9—86979
Ehrlich, G. *see* Rathbun, L. 9—95891
Ehrlich, M., Soares, C.G., Jackson, B., Lanoue, P. Influence of source configuration on spectral composition of gamma-ray beams from ^{60}Co teletherapy units 9—62341
Ehrlich, M. *see* Soares, C.G. 9—81094
Ehrlich, P.E. *see* Beem, J.K. 9—93009
Ehrlich, R. Time dependence of the Brookhaven solar-neutrino counting rate and the neutrino-oscillation hypothesis 9—80288
Ehrlich, R.D. *see* Alguard, M.J. 9—76242
Ehrlich, R.D. *see* Cooper, P.S. 9—58540
Ehrmann, C.H., Engel, A.E. A general-purpose system for data acquisition and instrument control 9—89543
Ehrmann-Falkenau, E., Wagendristel, A., Bangert, H. Numerical simulation of diffusion in polycrystalline thin film couples during recrystallization 9—77844
Ehses, E. *see* Brefeld, W. 9—63826, 9—68002
Ehst, D. *see* Abdou, M.A. 9—76141
Ehyshima, K. *see* Ogawa, T. 9—69708
Eib, N.K., Gent, A.N., Henriksen, P.N. Formation of SiH bonds when SiO is deposited on alumina 9—69375
Eib, W., Erbudak, M., Greuter, F., Reihl, B. Energy distribution and spin polarisation of photoelectrons from UTe_xSb_{1-x} 9—52074
Eiberman, M.F. *see* Sergienko, V.I. 9—73945
Eibling, R.E. *see* Strattan, L.W. 9—84353
Eibschutz, M. *see* DiSalvo, F.J. 9—73869
Eibschutz, M. *see* Gyorgy, E.M. 9—78345
Eich, W.J., Mosteller, R.D., Poetschat, G.R. An efficient diffusion-theory parameterization for gadolinia-loaded fuel pins 9—67840
Eich, W.J. *see* Mosteller, R.D. 9—59126
Eichendorf, W., Reinhardt, M. Polarization properties of extragalactic radio sources 9—53920
Eichendorf, W., Reipurth, B. The yellow supergiant HD 101947—a Cepheid with 125 days period? 9—88671
Eichenlaub, D.P. *see* Einolf, C.W., Jr. 9—49866
Eichenlaub, D.P. *see* Griesacker, C.H. 9—59279
Eichhorn, R. *see* Lienhard, J.H. 9—59979
Eichler, D. High-energy neutrinos of extraterrestrial origin 9—80179
Eichler, H.J., Eichler, J., Knof, J., Noack, Ch. Lifetimes of laser-induced population density gratings in ruby 9—64276
Eichler, H.J., Langhans, D., Klein, U. Quenching of two-photon fluorescence and stimulated anti-Stokes emission in rhodamine solutions 9—72619
Eichler, H.J. *see* Eichler, J. 9—83961
Eichler, J. Proposal for a new method of measuring the aerodynamics in the nose 9—83956
Eichler, J. The theory of some systematic errors of measurement in rhino-manometry 9—83957
Eichler, J., Chan, F.T. Approach to electron capture into arbitrary principal shells of energetic projectiles 9—89777
Eichler, J., Eichler, H.J., Berger, D. A rhino-rheo-manometer measuring dynamic and static pressure with capacitance probes 9—83961
Eichler, J. *see* Chan, F.T. 9—59554, 9—94082
Eichler, J. *see* Eichler, H.J. 9—64276
Eichler, J. *see* Knof, J. 9—83886
Eichler, R.A. *see* Carrington, R.L. 9—76257
Eichmann, G. Quasi-monochromatic incoherent optical image processing 9—76626
Eichmann, R. *see* Schidlowski, M. 9—84262
Eick, H.A. *see* Clink, B.L. 9—77571
Eickelpasch, N., Lasch, M. In situ decontamination of KRB primary circuit components 9—89389
Eickelpasch, N., Seepolt, R., Hock, R. Iodine release mechanism and its verification in plant operation 9—59229
Eickhoff, C.P. *see* Butler, J.H.A. 9—84044
Eickhoff, W., Guttmann, J., Krumpholz, O., Maslowski, S. Optical fiber splicing using low-melting point glass solder 9—55252
Eickhoff, W., Huber, H.-P., Krumpholz, O., Petermann, K. Optical fibres for optical communications 9—81564
Eickmeyer, J. *see* Giboni, K.L. 9—89204
Eid, A.H. *see* Elmanharawy, M.S. 9—55780
Eid, A.H. *see* Mady, Kh.A. 9—87456
Eid, N.M.A., Thomason, P.F. The nucleation of fatigue cracks in a low-alloy steel under high-cycle fatigue conditions and uniaxial loading 9—79060
Eide, S.A. *see* Gottula, R.C. 9—49734
Eidelberg, M.I. Galvanoluminescence of an anode oxide film on aluminum during pulsed excitation 9—74006
Eidel'berg, M.I., Tseitina, T.Z. Measurement of growth of porous oxide layer on aluminium during anodizing by a luminescence method 9—52511
Eidel'man, E.D. Gravitational convection with compressibility 9—58051
Eidelman, N. *see* Sarig, S. 9—52101, 9—90580
Eidelman, S.I., Kurdadze, L.M., Vainshtein, A.I. e^+e^--annihilation into hadrons below 2 GeV: test of QCD predictions 9—49458
Eidels-Dubovoi, S., Beltran-Lopez, V. Dependence on an axial crystal field of the Mn^{2+} EPR line intensities in powder samples 9—78511
Eides, M.I. *see* Borisov, N.V. 9—58936, 9—63432
Eidmann, K. *see* Maaswinkel, A.G.M. 9—73015
Eidner, K., Vuks, M.F. Anisotropy of the polarizabilities of the tolan, benzalaniline, azobenzene, and stilbene molecules 9—72441
Eidner, K. *see* Rozhdestvenskaya, N.B. 9—90552
Eidner, K. *see* Vuks, M.F. 9—78692
Eiduk, O.N. *see* Ivensen, V.A. 9—100230
Eiduk, V.I. *see* Kazantsev, S.A. 9—76394
Elduss, J.A. *see* Rodionov, A.N. 9—99315
Eigenbrot, V.M., Alekseev, G.S. Determination of optimum sizes of piezoelectric transducers of compensating force sensors 9—88943
Eigiel, J. *see* Girtler, P. 9—89197
Eiho, S., Kuwahara, M., Fujita, M., Sasayama, S., Kawai, C. Automatic processing of cineangiographic images of left ventricle 9—83927
Eijkman, E.G.J. *see* Stegeman, D.F. 9—88067
Eijnthoven, R.K. *see* Van Kemenade, J.T.C. 9—56306
Eikhvald, A.I. *see* Serebov, V.N. 9—64945
Eikman, E.A., Mack, G.A., Jain, V.K., Madden, J.A. Computer-assisted liver-mass estimation from gamma-camera images 9—83908
Eilam, G., Gluck, M. Hadronic signature of the three-gluon coupling 9—75727
Eilam, G. *see* Gluck, M. 9—49478
Eilbeck, J.C. Numerical studies of solitons 9—75367
Eilek, J.A. Particle reacceleration in radio galaxies 9—71104
Eimbke, V.V. *see* Kuznetsov, G.M. 9—63206
Eimer, Cz. Elasticity of cracked medium 9—64581
Eimerl, D. Permutation symmetry, crossing symmetry, and the CPT invariance of electrodynamics 9—55176
Eimerl, D. Bounds on stimulated Raman scattering 9—94290
Eimerl, D. Theory of temporal pump stochasticity in stimulated Raman scattering in dispersionless media 9—98441
Eimerl, D. *see* Murray, J.R. 9—59756
Einarsson, P. Seismicity and earthquake focal mechanisms along the Mid-Atlantic plate boundary between Iceland and the Azores 9—88266
Einarsson, P. *see* Angenheister, G. 9—57889
Einaudi, F., Lalas, D.P., Perona, G.E. The role of gravity waves in tropospheric processes 9—92575
Einaudi, G., Giammanco, F., Giulietti, A., Vaselli, M. Discussion on possible effects of an implosive shock wave produced by laser 9—73022
Einaudi, G. *see* Giammanco, F. 9—94808
Einav Shmuel *see* Shmuel Einav
Einax, J. *see* Rodicker, H. 9—100438
Einer-Jensen, N. *see* Lundsgaard, J.S. 9—83967
Einfeld, D., Klotz, W.D., Muelhaupt, G., Mueller, Th., Richter, R. BESSY, a 800 MeV storage ring dedicated to synchrotron radiation 9—68021
Einfeldt, J., Sandig, R., Schmelzer, N. Calculation of the surface-tension effects in capillary viscosimeters of Ubbelohde-type. I. Spherical fluid reservoir 9—86534
Einfeldt, J., Sandig, R., Schmelzer, N. Calculation of the surface-tension effects in capillary viscosimeters of Ubbelohde-type. II. The Ubbelohde viscosimeter of VEB Jenaer Glaswerk Schott and Gen. and viscosimeters with fluid reservoir with different bulbous form 9—86535
Einfeldt Rostock, J. A viscometer-system for semi-automatic measurements of viscosity 9—94561
Einhorn, M.B., Savit, R. Phase transitions and confinement in the Abelian Higgs model 9—49398
Einolf, C.W., Jr., Griesacker, C.H., Eichenlaub, D.P. Communication techniques for a microprocessor based digital radiation monitoring system 9—49866
Einstein, A. Investigation into the state of ether in a magnetic field 9—84925
Einstein, F.S., Juliano, R.A., Jr., DeAcetis, L.A., Lazar, I. Experimental investigation of the far-field diffraction by a semi-infinite plane of variable thickness: parallel polarization 9—50194
Einstein, T.L. The shapes of islands of chemisorbed atoms as a probe of long-range interadatom interactions 9—65320
Einstein, T.L. The three-adatom non-pairwise ('trio') interaction, with implications for Monte Carlo simulations of O/W(110) 9—82466
Einstein, T.L. *see* Roelofs, L.D. 9—82438
Einullaev, A.V. *see* Rustamov, P.G. 9—78857
Einzel, D. *see* Wolfle, P. 9—51342
Einziger, R.E., Seidel, B.R. Performance of EBR-II Mark II metallic driver fuel to 10 at.% burnup 9—67863
Eisel, D., Zevgolis, D., Demtroder, W. Sub-Doppler laser spectroscopy of the NaK molecule 9—98114
Eisele, F. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Eisele, F. *see* Groot, J.G.H. 9—93395

Eisele, F.L., Ellis, H.W., McDaniel, E.W. Temperature dependent mobilities: O_2^+ and NO^+ in N_2 9—86553

Eisele, F.L., Thackston, M.G., Pope, W.M., Ellis, H.W., McDaniel, E.W. Longitudinal diffusion coefficients and the generalized Einstein relation for Cl^- ions in Ne, Ar, Kr, and Xe 9—86552

Eisele, F.L. *see* Thackston, M.G. 9—68896

Eiselt, G., Kotzler, J., Maletta, H., Stauffer, D., Binder, K. Magnetic 'blocking' in very dilute $(Eu_xSr_{1-x})S$: experiment versus theory 9—78348

Eiselt, G. *see* Kotzler, J. 9—78404

Eisen, F.H. *see* Tandon, J.L. 9—69118, 9—73196

Eisenbarth, S.R. *see* Brown, R.B. 9—49921

Eisenberg, A. *see* Rouse, G.B. 9—87436

Eisenberg, A. *see* Yoon, H.N. 9—57038

Eisenberg, D. *see* Frank, J. 9—92452

Eisenberg, J.M. Meson-nuclear physics 1979: a perspective 9—85490

Eisenberg, J.M. *see* Kapon, E. 9—67667

Eisenberg, J.M. *see* Toker, G. 9—75797, 9—85341

Eisenberg, J.M. *see* Weber, H.J. 9—85464

Eisenberg, P. *see* Citrin, P.H. 9—82446

Eisenberg, Y., Haber, B., Hochman, D., Karshon, U., Kogan, E., Ronat, E.E., Shapira, A., Yekutieli, G. Inclusive π^+ to π^- ratios and quark distributions of pions and nucleons 9—54367

Eisenberg, Y., Haber, B., Hochman, D., Karshon, U., Lyons, L., Ronat, E.E., Shapira, A., Yaari, R., Yekutieli, G. Inclusive particle spectra in $p(\pi^+)n$ interactions at 195 GeV/c 9—75804

Eisenberg, Y. *see* Brandelik, R. 9—63491, 9—93441

Eisenfeld, J., Ford, C.C. A systems-theory approach to the analysis of multiexponential fluorescence decay 9—59495

Eisenhauer, C. Model for diffusion of a pencil beam of electrons 9—54081

Eisenhut, D.G. Regulatory considerations of steam generator operating experience 9—93817

Eisenmann, E.T. Rapid data acquisition in the study of slow electrode processes by means of simultaneous potentiostats—the sulfidation of copper 9—96236

Eisenmenger, W. *see* Epperlein, P.W. 9—56414

Eisenmenger, W. *see* Marx, D. 9—65304

Eisenreich, S.J. *see* Johnson, T.C. 9—74912

Eisenrith, K.H. *see* Aulich, H. 9—50427

Eisenstein, B. *see* Sessoms, A.L. 9—63870

Eisenstein, B.L. *see* Caudell, T.P. 9—74788

Eisenstein, D.R. *see* Caudell, T.P. 9—74788

Eisenstein, M., Hirshfeld, F.L. Electron-density maps of bent bonds in non-cyclic molecules 9—49960

Eisenstein, R. *see* Marlow, D. 9—85564

Eisenstein, R.A. An overview of π-nucleus scattering 9—85527

Eisenstein, R.A. *see* Doss, K.G.R. 9—85542

Eisfeld, W., Renk, K.F. Tunable optical detection and generation of terahertz phonons in CaF_2 and SrF_2 9—65149

Eisinger, J. *see* Dale, R.E. 9—62168

Eisinger, K., Merchant, H.C. Amplitude modulation of a forced system by parameter variation 9—64578

Eisler, F.R. High spatial resolution particle physics detectors 9—76276

Eisler, G. New optomechanical element system for optical measurements in laboratory 9—81574

Eisler, P.L., Mathew, P.J., Youl, S.F., Wylie, A.W. Nuclear activation logging for aluminium in iron ores and coal 9—80042

Eisley, J.G. *see* Chao, K.N. 9—88056, 9—92155

Eisner, R.L., Fickinger, W.J., Malko, J.A., Robinson, D.K., Sreedhar, V.A. Study of the reaction $p_{spin\ up}p \to n\Delta^{++}$ at 6 GeV/c with polarized beam 9—93451

Eitter, J.J., Beavers, W.I. Lunar occultation summary. III 9—88642

Eitzen, D.G. *see* Chwirut, D.J. 9—100327

Eitzen, D.G. *see* Sachse, W. 9—55285

Ejima, T., Shimakage, K., Yoko, T., Nakashima, K., Takei, K. Viscosity of molten $ZnCl_2$-MCl_2 (M=Cd,Pb,Sn,Ba) binary systems 9—77662

Ejima, T., Yamamura, T. Inter-diffusion of silver ion in molten alkali metal chlorides 9—60530

Ejiri, H. *see* Sakai, H. 9—93641

Ekachai, A. *see* De Vries, A. 9—86702

Ekardt, W., Brocksch, H.-J. Phonon-assisted two-photon absorption of the excitonic molecule in CuCl. I. Bare-exciton approach 9—78702

Ekardt, W., Sheboul, M.I. Many-exciton effects in the biexciton bound-state potential 9—60717

Ekberg, E.L. *see* Grisham, D.L. 9—71997

Ekberg, J.O. *see* Engstrom, L. 9—89645

Ekdahl, C.A. Neutron diagnostics for pulsed high-density thermonuclear plasmas 9—90462

Ekdahl, C.A. *see* Commisso, R.J. 9—82088

Ekel'chik, V.S., Ismailov, V.S., Kostritskii, S.N., Sborovskii, A.K. Temperature dependence of viscoelastic properties of polymers under dynamic conditions on the basis of the linear theory of thermoviscoelasticity 9—61642

Ekelof, T. *see* Albrow, M. 9—97605

Ekern, R. *see* Kaminsky, M. 9—49880

Ekern, R.J. *see* Butler, E.M. 9—67269

Ekers, R.D. *see* Danziger, I.J. 9—84854

Ekhaguere, G.O.S. Markov fields in noncommutative probability theory on W* algebras 9—97260

Ekholm, D.T., Hallock, R.B. Observation of the complete decay of persistent currents in unsaturated superfluid ^{4}He films 9—51378

Ekholm, D.T., Hallock, R.B. Film thinning in unsaturated superfluid ^{4}He films during persistent flow 9—73360

Ekimov, S.P., Boikova, A.I., Grishchenko, L.V. Distribution of Fe^{3+} in the structure of calcium aluminoferrites 9—94980

Ekin, J.W. *see* Clark, A.F. 9—69622

Eklund, C. *see* De Clercq, C. 9—89188

Eklund, R.H. *see* Holcombe, J.A. 9—74445

Eklund, S. Nuclear power in the world after Harrisburg 9—92056

Eklund, S.K. *see* Snyder, S.L. 9—88132

Ekmanis, Yu.A. *see* Teteris, Ya.A. 9—69896

Ekonomov, A.P. *see* Moroz, V.I. 9—66949

Ekonomov, A.P. *see* Moshkin, B.E. 9—88612

Ekouhoh, A. *see* Benard, C. 9—62032

Ekspong, G. *see* Fry, J.R. 9—54366

Ekspong, G. *see* Stenbacka, R. 9—63507

Ekstedt, T.W. *see* Mahan, J.E. 9—87990

Ekstrom, J.P. *see* Ehnholm, G.J. 9—78538

Ekstrom, L.P. *see* Aarts, H.J.M. 9—67625

Ekstrom, L.P. *see* Mustaffa, O.M. 9—85402

Ekstrom, M.E. *see* Nelson, J.C. 9—70583

Ekstrom, T., Tilley, R.J.D. The formation of a series of barium tungsten bronzes 9—65046

Ekstron, L.P., Jones, G.D., Kearns, F., Morrison, T.P., Mustaffa, O.M., Simister, D.N., Price, H.G., Twin, P.J., Wadsworth, R., Ward, N.J. Gamma-ray spectroscopy on ^{48}Cr 9—59032

El Abidine Amri, Z. *see* Aboutajdine, D. 9—66843

El Afioni, M., Gomes, M., Koberle, R. Zero-mass limit and induced interactions in a two-dimensional derivative-coupling model 9—49397

El Afioni, M., Gomes, M., Koberle, R. Mass perturbation around the exact solution of a two-dimensional field-theoretical model 9—63368

El Alaoui-Bichri *see* Giordano, J. 9—51952

El Ashry, M. *see* Leila, H.A. 9—68122

El Badramany, N.M.Botrous *see* Botrous El Badramany, N.M.

El Banhawy, Y., Melling, A., Whitelaw, J.H. Combustion-driven oscillations in a small tube 9—52664

El Batal, H.A. *see* Ghoneim, N.A. 9—74141

El Desoky, M.M. *see* Hafez, M.B. 9—88155

El Din, A.M.Shams *see* Shams El Din, A.M.

El Din, A.S.Salah *see* Salah El Din, A.S.

El Ela, A.H.Abou *see* Abou El Ela, A.H.

El Gabalawi, N. *see* Fujita, T. 9—52908

El Ghali Oudrhiri Safiani *see* Kuhn, J.K. 9—93438

El Golli, S., Bricard, J., Treiner, C. Influence of acid calcium carbonate on the evaporation of water droplets 9—90771

El Gomati, M.M., Prutton, M., Janssen, A.P., Venables, J.A. The interpretation of the spatial resolution of the scanning Auger electron microscope 9—85204

El Haddad, M.H., Topper, T.H., Smith, K.N. Prediction of non propagating cracks 9—68655

el Haleem Ain el Hiah Abd *see* Ain el Hiah Abd el Haleem

El Hassouni, A. *see* Cohen-Tannoudji, G. 9—93361

el Hiah Abd el Haleem Ain *see* Ain el Hiah Abd el Haleem

El Hili, A. *see* Boulesteix, C. 9—66596

El Kader, J.M.Abd *see* Abd El Kader, J.M.

El Kazzaz, S. *see* Lien, J.R. 9—85353

El Maddarsi, M., Valance, A. Differential elastic cross-section calculation of H^+ ion on Cs target using uniform and translational approximations 9—59530

El Maddarsi, M. *see* Valance, A. 9—59551

El Mohsni, S. *see* Alpert, B. 9—79453

El Sawi, M., Eltayeb, I.A. On the propagation of hydromagnetic-inertial-gravity waves in magnetic-velocity shear 9—55422

el Sayed Ali, M., Lorenzelli, R. Kinetics of initial stage sintering of stoichiometric and nonstoichiometric actinide oxides 9—91609

El Shayeb, H.A. *see* Abd El Wahab, F.M. 9—52426

El Wahab, F.M.Abd *see* Abd El Wahab, F.M.

El Wakil, S.A., Haggag, M.H., Saad, E.A. Neutron trasnfer with anisotropic scattering 9—54467

El-Abd, M.Z. *see* Sedahmed, G.H. 9—57143

El-Arabaty, A., Nosseir, A., El-Debeiky, S., Nasser, E. Application of infra-red thermography to the study of temperature distribution on energized polluted insulators 9—97385

El-Asfouri, S. *see* Berkstresser, B.K. 9—96658

El-Atawy, S.A. Hall coefficient and conduction mechanism in intermediate concentration n-Ge at helium temperatures 9—95422

El-Atawy, S.A., Clegg, P.E., Palmer, D.W. Ion implantation and depletion in germanium at low temperatures 9—60392

El-Basiouny, M.S., El-Kot, A.M., Hefny, M.M. Corrosion behaviour of hafnium in buffer solutions as revealed by impedance and potential measurements 9—96182

El-Debeiky, S. *see* El-Arabaty, A. 9—97385

El-Deghaidy, F.H.A. *see* Badrick, A.S.T. 9—60609

El-Derini, Z. *see* Abdou, M.A. 9—85801

El-Derini, Z. *see* Doss, E. 9—83604

El-Derini, Z. *see* Stacey, W.M., Jr. 9—90445

El-Gabaly, M., Wakim, F.G., Sawan, Y. Photocurrent spectral distribution in some crystalline and amorphous materials 9—56259

El-gabaly, M. *see* Sawan, Y. 9—51574

El-Gabaly, M. *see* Wakim, F.G. 9—61985

El-Genk, M.S., Cronenberg, A.W. Solidification in a semi-infinite region with boundary conditions of the second kind: an exact solution 9—94481

El-Hammamy, N.H. *see* Sadek, H. 9—95194

El-Hanany, U. *see* Shaham, M. 9—49235, 9—56622

El-Hiti, A.S., Amin, A., El-Shafie, A. X-ray determination of unit cell dimensions of sodium benzoylacetonate 9—69097

El-Kabbany, F. *see* Badr, Y.A. 9—82333

El-Kameesy, S.U. *see* Abou-Leila, M.A.A. 9—85576

El-Kholy, A.E. *see* El-Tantawy, Y.A. 9—70214

El-Kot, A.M. *see* El-Basiouny, M.S. 9—96182

El-Mahallawy, N.A., Farag, M.M. Structural response to shape variations in the Al-Al_3Ni eutectic composite 9—83190

El-Mously, M.K., Kotkata, M.F., Mazen, S.A. Effect of Bi on the annealing kinetics of amorphous As_2Se_3 9—73503

El-Mously, M.K. *see* Kotkata, M.F. 9—77522, 9—99076

El-Nabarawy, T. *see* Mikhail, R.Sh. 9—79287

El-Nabarawy, T. *see* Youssef, A.M. 9—90887

El-Nadi, A. Effect of scrape-off on tokamak radial transport 9—90443

El-Nadi, A. *see* Rogister, A. 9—98908

El-Nasr, N. *see* Kuhn, A.T. 9—52417

El-Nokali, M., Adler, E.L. Charge storage in SAW memory correlators 9—64455

El-Rafei, E.A. High quality chrome-bearing basic refractories from brine magnesia 9—83158

El-Raghy, S.M., Abo-Salama, A.A. The electrochemistry of electroless deposition of copper 9—61520

El-Rahaiby, S.K., Rao, Y.K. The kinetics of reduction of iron oxides at moderate temperatures 9—83154

El-Rahaiby, S.K. *see* Rao, Y.K. 9—83452

El-Sabbahy, A.N. *see* Greene, P.D. 9—95523

El-Sayed, M.A. *see* Prochorow, J. 9—98154

El-Sayed, M.A. *see* Terner, J. 9—83705

El-Sayed, M.Kh. The inner shelf off the Nile Delta: sediment types and depositional environments 9—79868

El-Schennawi, A. Consideration of the deformation heat during metal forming 9—66105

El-Shafie, A. *see* El-Hiti, A.S. 9—69097

El-Shamy, T.M. *see* Ahmed, A.A. 9—87470

El-Sherbini, T.M., Salop, A., Bloemen, E., de Heer, F.J. Target dependence of excitation resulting from electron capture in collisions of 200 keV Ar^{6+} ions with noble gases 9—98209

El-Sherbiny, M., Ballik, E.A., Shewchun, J., Garside, B.K., Reid, J. High sensitivity point monitoring of ozone, and high resolution spectroscopy of the ν_3 band of ozone using a tunable semiconductor diode laser 9—63993

El-Sherbiny, M., Halling, J., Teer, D.G. The effect of PVD surface coatings on surface topography 9—82427

El-Sherbiny, S.M. The effect of range on the ultrasonic echo acting on circular and rectangular transceivers 9—94434

EL-Shirbini, A.A. *see* Mokhtarzadeh, M.R. 9—72931

El-Shobaky, G.A. Low temperature doping of finely divided NiO catalyst 9—51128

El-Shobaky, G.A., Selim, M.M. Electrical properties of a superparamagnetic NiO catalyst 9—65506

El-Siragy, N.M. *see* Amein, W.H. 9—50866

El-Taher, R.M. *see* Rashed, M.I.I. 9—77078

El-Tantawy, Y.A., El-Kholy, A.E., Kasem, T.S.E. The passivation of dilute Cu(Hg) in alkaline solutions 9—70214

El-Wakil, M. *see* Boom, R.W. 9—60052

El-Wakil, M.M. *see* Meyer, B.A. 9—62053

El-Wakil, M.M. *see* Randall, K.R. 9—76944

El-Zaidia, M.M., Salem, I., Khalifa, B.A. Stepwise crystallization and kinetics of selenium containing 2 at.% tellurium 9—73099

Ela, A.H.Abou El *see* Abou El Ela, A.H.

Ela, M.A.Abu-el *see* Abu-el Ela, M.A.

Elaatmani, M. *see* Ravez, J. 9—99834

Elachi, C. *see* Leberl, F. 9—70809

Elachi, C. *see* Warne, L. 9—68353

Elagin, V.B. *see* Gorbunov, V.I. 9—93100

Elagin, V.I., Telshov, V.V., Grishina, V.M. The use of ultrasonic inspection for determining overheating of aluminum alloy parts 9—52607

Elagin, V.I. *see* Dobatkin, V.I. 9—70053

Elahi, M., Hekmat-Shoar, M.H., Hogarth, C.A., Lott, K.A.K. Electron spin resonance study in P_2O_5-MoO_3 and P_2O_5-MoO_3-CaO glasses 9—82866

Elam, W.T., Cohen, P.I., Roelofs, L., Park, R.L. Nearest neighbor spacings of clean vanadium surfaces from extended appearance potential fine structure 9—69329

Eland, J.H.D. Angular distributions, energy disposal, and branching studied by photoelectron-photoion coincidence spectroscopy: O_2^+, NO^+, ICl^+, IBr^+, and I_2^+ fragmentation 9—68263

Eland, J.H.D., Berkowitz, J. Dissociative photoionization of carbon disulphide and carbonyl sulphide 9—72366

Elango, M., Maiste, A., Ruus, R. Continuum and discrete states in the 3d photoabsorption spectra of Xe-like ions 9—81176

Elango, M.A. *see* Zhurakovskii, A.P. 9—95841

Elangovan, A. *see* Ghista, D.N. 9—79590

Elant'ev, A.I. *see* Blagosklonskaya, L.E. 9—82634

Elant'ev, A.I. *see* Gershenzon, E.M. 9—82624

Elarde, P.F. Hysteresigraph with data printout 9—58760

El'Ashri, F.M., Chubinskii, O.V., Vinogradov, L.I., Andronov, Yu.F., Gustova, L.V. Spin-flip probabilites at inelastic scattering of protons with energy near 6 MeV on ^{60}Ni 9—80939

El'Ashri, F.M., Vinogradov, L.I., Chubinskii, O.V., Andronov, Yu.F. Resonances in inelastic scattering of protons with the energy near 6 MeV on ^{58}Ni 9—80911

Elashvili, Z.M., Mkhatvrishvili, M.D., Piliashvili, T.S., Chilaya, G.S., Japaridze, K.G. Viscosity of nematic-chiral mixtures and their electrooptical characteristics 9—86682

Elashvili, Z.M. *see* Blinov, L.M. 9—91380

Elata, C. *see* Hinch, E.J. 9—60030

Elayi, A.G. A semi-empirical method for photofraction determination 9—54168

El'baeva, R.I., Tkhagapsoev, Kh.G. Structure of the transition layer in steel-Babbitt bimetals 9—100293

Elbakyan, G.M. *see* Avakyan, R.O. 9—59051

Elban, W.L. Surface energies of high explosives PETN and RDX from contact angle measurements 9—51393

Elbaum, C. *see* Merchant, P. 9—73508

Elbaum, C. *see* Sanders, D.J. 9—56017

Elben, W., Wolff, W. Problems in applying the SOR-method to the solution of the Maxwell's time dependent equations 9—92963

Elberink, J.O., Van Althen, M., Lucarelli, E. New digital multimeter with advanced LSI techniques 9—80640

Elbert, J.W. *see* Cassiday, G.L. 9—63864

Elci, A. Stimulated plasmon emission in semiconductors 9—73461

Elcombe, P. *see* Pratap, M. 9—63512

Elcrat, A.R., Sigillito, V.G. A spatial decay estimate for the Navier-Stokes equations 9—75351

Elder, J.W. Magma traps. I. Theory 9—66669

Elder, J.W. Magma traps. II. Application 9—70776

Elder, R.L. *see* Adrain, R.S. 9—60083

Elder, S.T. *see* McAfee, R.D. 9—53191

Elderfield, H. Salt diffusion in eastern Mediterranean Sea sediments 9—57909

Eldin, G., Laheurte, J.P. Sound wave propagation in an acoustic streaming in air 9—59858

Eldred, R.A. *see* Barone, J.B. 9—62579

Eldridge, J.E., Bates, F.E. A far-infrared bolometric observation of the pinned charge-density wave in TTF-TCNQ 9—60735

Eldridge, J.M., Lee, M., Lee, W. Minimizing [sic] corrosion resistance of magnetic materials 9—79150

Eldridge, J.M. *see* Lee, W.-Y. 9—100286

Eldrup, M., McKee, B.T.A., Stewart, A.T. A positron trapping study of molybdenum irradiated with 2, 10 and 40 MeV electrons 9—52039

Elefritz, R.A. *see* Dincer, S. 9—95147

Elen, J.D. *see* Staal, H.U. 9—70139

Elena, A., Dagnino, I. The sunset effect in the ionospheric E_s-layer 9—100997

Elena, A., Flocchini, G., Pasquale, V. Some characteristics of solar radiation at Genoa 9—100886

Elenbaas, R.A., Schinkel, C.J., Swakman, E. Magnetic susceptibilities and specific heats of Ce-Th alloys 9—78411

Elenbaas-Bunschoten, E.W.A. *see* Trappeniers, N.J. 9—76426

Elenkov, D., Balkandzhiev, E. The hydrodynamics of falling liquid films of aqueous carboxymethylcellulose solutions 9—64715

Elenkov, D., Boyadzhiev, L., Kyuchukov, G., Naplatanova, M. On the efficiency of pulsed extraction columns with perforated plates 9—64809

Elenkov, D. *see* Anastasov, A. 9—66268

Elenkov, D. *see* Balkandzhiev, E. 9—64714

Elenkov, D. *see* Bechkov, V. 9—65309

Elenkov, N. *see* Ikonopisov, S. 9—52680

Elenski', V.A. *see* Aleksandrov, B.N. 9—91196

Elenskii, V.A. *see* Startsev, V.E. 9—95389

Eleonskii, V.M., Kirova, N.N., Kulagin, N.E. Magnetic solitons propagating along an axis of anisotropy 9—73798

Eleonskii, V.M., Kirova, N.N., Kulagin, N.E. A new conservation law for the Landau-Lifshitz equations 9—95559

Elepov, B.S. *see* Tatarskii, V.I. 9—98278

Elesin, V.F. Threshold instability and inhomogeneous states in nonequilibrium superconductors with optical and tunnel quasiparticle pumping 9—87209

Elesin, V.F., Erko, A.I., Larkin, A.I. Observation of a dip in the spontaneous emission spectrum and generation saturation in single-mode semiconductor lasers 9—76691

Elesin, V.F., Levchenko, E.B. Theory of phase transitions in nonequilibrium superconductors with a tunnel injection of quasiparticles 9—69636

Elesin, V.F. *see* Aleksandrov, A.S. 9—82636

Eletskii, V.L. *see* Popov, V.S. 9—49587

Eletsky, W.L. *see* Alliluev, S.P. 9—98025

Eley, D.D., Lockhart, N.C., Richardson, C.N. Thermoelectric effects and dielectric polarisation in biopolymers 9—92461

Eley, D.D. *see* Attiga, S.A. 9—87830

Elfimov, A.G. *see* Grishanov, N.I. 9—55484

Elfimov, O.V., Kremenchugskii, L.S., Sklyarenko, S.K. Gauges consisting of pyroelectric radiation receivers 9—68432

Elfimov, O.V., Kremenchugskii, L.S., Sklyarenko, S.K. Coordinate-sensitive pyroelectric detectors of transmitted power 9—75599

Elfimov, V.S. Geometrical investigation of the motion of a Lagrange gyroscope 9—63015

Elfinger, F.-X. *see* Christian, H. 9—52560

Elfmark, J., Slach, J., Svoboda, V., Merta, J. Bending properties of primary cycle tubing of light water nuclear power stations 9—67851

Elford, M.T., Hegerberg, R. Pressure measurement system for beam experiments in the range 0.5-10^{-2} Pa 9—88971

Elgin, J.N. Two-photon resonant three-photon ionization with ultrashort pulses 9—89654

Elias, C.M., Moran, T.J. A pseudorandom binary noise NDE ultrasonic correlation system 9—52612

Elias, E., Bozorgmanesh, H., Gozani, T. An improved method for determining hydrogen density in coal 9—52852

Elias, E. *see* Goodman, J. 9—49731

Elias, E. *see* Gozani, T. 9—52848, 9—93721

Elias, J., Lanning, H., Neugebauer, G. Infrared and optical variations in *o* Cassiopeiae (HD 4180) 9—58353

Elias, J.E. *see* Cutts, D. 9—85346

Elias, J.H. *see* Hoessel, J.G. 9—62911

Elias, J.H. *see* Wade, R.A. 9—62759

Elias, L.R. High-power, CW, efficient, tunable (UV through IR) free-electron laser using low-energy electron beams 9—64194

Elias, L.R. *see* Madey, J.M.J. 9—64193

Elias, L.R. *see* Smith, T.I. 9—94246

Elias, V. Do non-asymptotically-free known interactions invalidate the unification hypothesis? 9—89092

Elias, V., Rajpoot, S. Enhanced flavour charge in the integer quark charge model 9—49457

Eliasson, B. *see* Dandliker, R. 9—94562

Eliceiri, G.L. Sensitivity of low molecular weight RNA synthesis to UV radiation 9—57591

Eliel, E.R. *see* Walraven, J.T.M. 9—99911

Eliel, E.R. *see* Zaal, G.J. 9—54790

Eliezer, D., Altstetter, C.J., Pugh, E.N., Chakrapani, D.G. The influence of austenite stability on the hydrogen embrittlement and stress-corrosion cracking of stainless steel 9—100291

Eliezer, D., Nelson, H.G. Hydrogen attack of 1020 steel: influence of hydrogen sulfide 9—96192

Eliezer, I., Eliezer, N., Howald, A., Verwolf, M.C., Viswanadham, P. The enthalpy of sodium silicate glasses and liquids 9—95183

Eliezer, I., Eliezer, N., Howald, R.A., Verwolf, M.C. Calculation of activities in the system $KO_{0.5}$-$AlO_{1.5}$-SiO_2 9—91985

Eliezer, I., Howald, R.A., Viswanadham, P. Analytical expressions for the heat capacities of alkali silicate liquids 9—77765

Eliezer, N. *see* Eliezer, I. 9—91985, 9—95183

Eliezer, S., Schuss, Z. Stochastic (white noise) analysis of resonant absorption in laser generated plasma 9—50874

Eliezer, Z., Khanna, V.D., Amateau, M.F. On the effect of fiber orientation on the wear of composite materials 9—87744

Eliezer, Z., Schulz, C.J., Mecredy, H.E. A relation between wear volume and sliding time for composite materials 9—61743

Eliezer, Z. *see* Amateau, M.F. 9—96158

Eligulashvili, I.A. *see* Berlin, A.A. 9—65461

Elinson, M.I. *see* Bukatova, I.L. 9—55239

Elinson, M.I. *see* Evtikhov, M.G. 9—79505

Elinson, M.I. *see* Grodnenskii, I.M. 9—91174

Eliseev, A.A., Aminov, T.G., Shabunina, G.G., Rusanova, T.A. X-ray investigation of the solid solution $Cd_{1-x}Cu_xCr_2Se_4$ with the spinel structure 9—78940

Eliseev, A.N. *see* Selezov, I.T. 9—50592

Eliseev, B.N. *see* Shtyrya, A.S. 9—59914

Eliseev, P.G., Lavrov, V.N., Morozov, V.N. Bias quenching of relaxation oscillations in an injection laser 9—72570

Eliseev, P.G., Lavrov, V.N., Popov, Yu.M. Influence of the operation regime of an injection laser on the efficiency of coupling of its radiation into an optical waveguide 9—59834

Eliseev, P.G. *see* Bachert, H. 9—98364

Eliseev, P.G. *see* Bachert, H.-J. 9—81455

Eliseev, P.G. *see* Bogatov, A.P. 9—64227, 9—64228, 9—64230, 9—68394, 9—76713

Eliseev, P.G. *see* Dolginov, L.M. 9—65545

Eliseev, V.N. *see* Tovstonog, V.A. 9—98597

Eliseev, V.V. *see* Del', G.D. 9—59920

Eliseev, Yu.B., Cherkez, A.Ya. Experimental investigation of the anomalous aerodynamic heating of bodies with a deep cavity 9—86454

Eliseeva, I.S. *see* Khomenyuk, Yu.V. 9—62624

Eliseeva, O.I. *see* Maksimovich, G.G. 9—52249

Elishakoff, I., Stavsky, Y. Asymmetric vibrations of polar orthotropic laminated annular plates 9—76993

Elistratov, V.V. *see* Balbekov, V.I. 9—63829

Elisyutin, G.P. *see* Sul'kin, A.G. 9—72790

Elitzur, M. On the optical and X-ray pulses from the Crab 9—53849

Elitzur, M. *see* Cahn, J.H. 9—92772

Elitzur, S., Pearson, R.B., Shigemitsu, J. Phase structure of discrete Abelian spin and gauge systems 9—85232

Elix, K. *see* Trautvetter, H.P. 9—59287

Elizalde, E. SL(3,C) elementary instanton configurations 9—63369

Eljuri, E., Lunar, J., Ghiglione, J. Analysis of low alloy steel using electrical dispersed samples 9—74459

Elkholy, H.A. *see* Sylwestrowicz, W.D. 9—51317

Elkin, N.A. *see* Gordeeva, L.T. 9—70227

El'kind, G.M. *see* Degtyarenko, G.I. 9—87791

Elkind, M.M. *see* Hagan, M.P. 9—83854

Elkind, M.M. *see* Utsumi, H. 9—96627

Elkins, R.E. *see* Trovillion, T.A. 9—64771

Elkomoss, S.G., Munschy, G. Electron-exciton inelastic collision cross sections for different semiconductors 9—90967

Elleaume, P., Hulin, J.P., Perrin, B. Hydrodynamic instabilities in the rotating Couette flow of superfluid helium 9—55964

Ellegaard, C. *see* Korner, H.J. 9—89221

Ellegaard, C. *see* Lien, J.R. 9—85353

Ellegaard, C.E. *see* Rekstad, J. 9—58999

Ellenberger, J. *see* Klijn, P.-J. 9—82013

Ellengorn, S.M. *see* Buevich, Yu.A. 9—90327

Ellenson, W.D. *see* Hastings, J.B. 9—65189

Ellenson, W.D. *see* Nielsen, M. 9—60639

Ellerbroek, B., Kolin, A. Thermal convection in a uniformly heated fluid between vertical parallel plates 9—98727

Ellialtioglu, S. *see* Wolfram, T. 9—61491

Ellinger, H. *see* Bolger, J.E. 9—54115

Ellinger, Y. *see* Barone, V. 9—97998

Ellinger, Y. *see* Burton, B. 9—59362

Ellinger, Y. *see* Douady, J. 9—59335

Ellinghaus, J. *see* Dooley, D.M. 9—92125

Ellingson, R.J. *see* Varner, J.L. 9—62226

Ellingson, W.A. *see* Hsieh, C.K. 9—83400

Elliot, A.J., DeBoer, J.W.M., Wan, J.K.S. The measurement of CIDEP enhancement factors 9—50052

Elliot, H. *see* Davies, S.T. 9—80116

Elliot, J.F. *see* Lynch, D.C. 9—52407

Elliot, J.L., Dunham, E. Temperature structure of the Uranian upper atmosphere 9—62791

Elliot, J.L. *see* French, R.G. 9—53749

Elliot, J.L. *see* Peterson, D.M. 9—67059

Elliot, J.M. *see* Singh, S.N. 9—59972

Elliot, J.P. A comment on a quark exchange model 9—93533

Elliot, K.H. Optical observations of Puppis A 9—53883

Elliot, K.H. G287.8—0.5—A supernova remnant in Carina? 9—53924

Elliot, M., Ellis, T., Springford, M. Influence of the electron-phonon interaction of the dHvA effect amplitude in mercury 9—65361

Elliott, A.J. Low-frequency sea level and current fluctuations along the coast of northwest Italy 9—100848

Elliott, A.T., Britton, K.E. A review of the physiological parameters in the dosimetry of ^{123}I and ^{131}I-labelled Hippuran 9—53251

Elliott, C.J. *see* Mivashita, S. 9—85090

Elliott, C.R., Faktor, M.M., Haigh, J., Taylor, M.R. Active layer inhomogeneities in DH laser wafers 9—74106

Elliott, D.A. *see* Beevers, M.S. 9—91406

Elliott, E.A., Dawson, S.V. Fluid velocity greater than wavespeed and the transition from supercritical to subcritical flow in elastic tubes 9—81975

Elliott, H.L. *see* Riley, J.L. 9—83888

Elliott, J.A. *see* McBean, G.A. 9—58026

Elliott, J.F. *see* Braun, T.B. 9—83205

Elliott, J.P., Baganoff, D., McGregor, R.D. Closure relations based on straining and shifting in velocity space [kinetic theory of rarefied fluid dynamics] 9—98757

Elliott, J.P., Evans, J.A. The use of an angular momentum constraint in calculating rotational spectra 9—85403

Elliott, L.L. Performance of children aged 9 to 17 years on a test of speech intelligibility in noise using sentence material with controlled word predictability 9—96581
Elliott, L.L., Connors, S., Kille, E., Levin, S., Ball, K., Katz, D. Children's understanding of monosyllabic nouns in quiet and in noise 9—86305
Elliott, M.R. *see* Vanicek, P. 9—80055
Elliott, M.R. *see* Wood, S.H. 9—79796
Elliott, R.A. Weak refractive scattering: a model system 9—89849
Elliott, R.A., Shaw, J.B. Electrooptic streak camera: theoretical analysis 9—58809
Elliott, R.D., Shaffer, R.W., Court, A., Hannaford, J.F. Randomized cloud seeding in the San Juan Mountains, Colorado 9—53468
Elliott, R.J. *see* Djordjevic, R. 9—87030
Elliott, R.J. *see* Goncalves, L.L. 9—65679
Elliott, R.J. *see* Taguena-Martinez, J. 9—56554, 9—73728
Elliott, R.T., Lidbury, J.A., Harold, M.R. Synchrotron magnets for the SNS 9—68039
Elliott, S., Wade, G., Hu, T., Wang, K. Characteristics of opto-acoustic transducers 9—50560
Elliott, S.J. *see* Pratt, R.L. 9—98570
Elliott, S.R. Photo-induced changes in glow-discharge-deposited amorphous silicon: the Staebler-Wronski effect 9—82553
Elliott, S.R., Davis, E.A. Defect states in group-V amorphous semiconductors 9—87057
Elliott, S.R. *see* Greaves, G.N. 9—51935
Elliott, S.R. *see* Kocka, J. 9—87128
Elliott, W.G. *see* Lloyd, R.J. 9—74438
Ellis, B. *see* Banks, L. 9—90766
Ellis, D.E. *see* Freeman, A.J. 9—87350
Ellis, D.E. *see* Posternak, M. 9—95328
Ellis, D.E. *see* Rosen, A. 9—51650
Ellis, D.G. Creep failure of rat tail tendon 9—62289
Ellis, G.F.R., Perry, J.J. Towards a 'correctionless' observational cosmology 9—53946
Ellis, H.W. *see* Eisele, F.L. 9—86552, 9—86553
Ellis, H.W. *see* Thackston, M.G. 9—68896
Ellis, J. Deep hadronic structure 9—80803
Ellis, J. Zedology 9—97567
Ellis, J. Testing strong interaction theories 9—97569
Ellis, J., Gaillard, M.K., Nanopoulos, D.V., Sachrajda, C.T. Is the mass of the Higgs boson about 10 GeV? 9—63406
Ellis, K.J. *see* Vartsky, D. 9—83914
Ellis, M.H., Steele, J.M. Catching small sets under flows 9—63147
Ellis, M.I., Seedhom, B.B., Amis, A.A., Dowson, D., Wright, V. Forces in the knee joint whilst rising from normal and motorized chairs 9—74698
Ellis, P.D. *see* Tancredo, A. 9—50049
Ellis, R. *see* Erhan, S. 9—49550
Ellis, R.A. *see* McDuff, R.E. 9—92601
Ellis, R.E. *see* Lewis, C.A. 9—92384
Ellis, R.J., Ziock, H.J., Ziock, K.O.H., Bolger, J., Boschitz, E., Piffaretti, J., Corfu, R., Arvieux, J. Isospin effects in the reaction $^{12}C(\pi^{\pm},\pi^{\pm}p)^{11}B$ and $^{12}C(\pi^{\pm},\pi^{\pm}D)^{10}B$ 9—85365
Ellis, R.K., Georgi, H., Machacek, M., Politzer, H.D., Ross, G.G. Perturbation theory and the parton model in QCD 9—58927
Ellis, S.D. *see* Basham, C.L. 9—63497, 9—85310
Ellis, T. *see* Elliot, M. 9—65361
Ellis, T.E. *see* Mueller, M.H. 9—99101
Ellis, W.P. *see* Taylor, T.N. 9—77908
Ellis, Y.A. Nuclear data sheets for A=105 9—93486
Ellis, Y.A., Emery, J.F., Toth, K.S. ^{233}U levels populated in the α-decay of ^{237}Pu 9—93516
Ellison, F.O. *see* Meier, P.F. 9—97996
Ellison, G.B. *see* Wiberg, K.B. 9—59440
Ellison, H.R. A simplified recording manometer 9—58502
Elliston, P.R. *see* Chiu, L.B. 9—61210, 9—82868, 9—86743
Ellner, M., Heinrich, S., Bhargava, M.K., Schubert, K. Some structural studies of $NiSi_x$ mixtures 9—99119
Ellner, M. *see* Predel, B. 9—66337
Ells, J.W. The 'Hill-Poncet' heated observatory: a 'rocking-type' equatorial 9—70953
Ellsworth, L.D., Doyle, B.L., Schiebel, U., Macdonald, J.R. p-state alignment of one- and two-electron oxygen ions excited by collisions in helium 9—50123
Ellsworth, R.W., Yodh, G.B., Gaisser, T.K. Computer simulation of emulsion chamber C-jets using conventional particle physics 9—58990
Ellsworth, R.W. *see* Bechis, D.J. 9—63401
Ellsworth, R.W. *see* Goodman, J.A. 9—62697, 9—66897, 9—75065
Ellsworth, R.W. *see* Macfall, J.R. 9—49549, 9—62698
Ellwanger, U. On the intrinsic transverse momentum of partons 9—75722
Ellwood, B.B. Magnetic susceptibility anisotropy measurements of coal from the South Wales coal field: a coalification process indicator 9—53340
Ellwood, B.B. Sample shape and magnetic grain sizes: two possible controls on the anisotropy of magnetic susceptibility variability in deep-sea sediments 9—66680
Ellwood, B.B. Particle flocculation: one possible control on the magnetization of deep-sea sediments 9—70781
Elmaleh, D. *see* Kulprathipanja, S. 9—96285
El'man, B.S. *see* Abdulsabirov, R.Yu. 9—73856
Elmanharawy, M.S., Abdel-Kader, A. The investigation of electron traps in some ZnS-type phosphors 9—61437
Elmanharawy, M.S., Abdel-Kader, A. On the nature of fluorescent centres and traps in some ZnS-phosphors activated with silver and copper 9—91484
Elmanharawy, M.S., Eid, A.H. A proposed mechanism for void formation in electron-irradiated (ZnS:CdS:Ag:Ni:Co) 9—55780
Elmanov, I.M., Strelyaev, V.I. A method of checking the tightness of mating parts with small clearances 9—66234
Elmegreen, B.G. On the interaction between a strong stellar wind and a surrounding disk nebula 9—58323
Elmegreen, B.G. Observations related to the possibility that there are different mechanisms of formation for O-type stars and later type stars 9—58331
Elmegreen, B.G. Gravitational collapse in dust lanes and the appearance of spiral structure ingalaxies 9—92849
Elmegreen, B.G., Lada, C.J., Dickinson, D.F. The structure and extent of the giant molecular cloud near M17 9—71084
Elmegreen, B.G. *see* Elmegreen, D.M. 9—62886
Elmegreen, B.G. *see* Hartquist, T.W. 9—67077
Elmegreen, D.M., Elmegreen, B.G. CO and near IR observations of a filamentary cloud, L43 9—62886
Elmore, D. *see* Gove, H.E. 9—52806
Elmore, D. *see* Lister, C.J. 9—93493
Elmore, W. *see* Freeman, P.R. 9—96928
Elms, P. *see* Newark, M.J. 9—66783
Elnahwy, S.A., Hamamsy, M.E., Damask, A.C. Calculation of the effects of pressure on the band structure, drift, and Hall mobilities of an excess electron and an excess hole in anthracene 9—60709
Elo, D., Morris, D., Clark, D.J., Gough, R.A. Cryogenic vacuum pumping at the LBL 88-inch cyclotron 9—54681
Eloundou, J.P. *see* Beaudoin, J.L. 9—91419
Elovskii, S.N. *see* Bazilevskii, M.V. 9—59529
Elovskikh, E.M. *see* Kasimov, G.G. 9—87226
Elpat'evskii, A.N. *see* Dudchenko, A.A. 9—94570
Elphic, R.C. *see* Russell, C.T. 9—70980
Elrick, R.M. Close-in sampling of aerosols from fission-vaporized UO_2 fuel 9—49779
Elrod, H.G. A general theory for laminar lubrication with Reynolds roughness 9—90196
Elsasser, H. Star formation and interstellar matter 9—84787
Elsasser, K. Time asymptotics and reversibility of weakly coupled non-equilibrium systems 9—54049
Elseev, V.N., Solovov, V.A. Study of temperature states of semi-transparent slab 9—76937
Elsey, R.J. *see* Bennett, J.R.J. 9—63261
Elshin, V.K. *see* Krymskii, G.F. 9—80121, 9—80122
Elsken, J.Van Der *see* Van Der Elsken, J.
Elsley, R.K., Tittman, B.R., Nadler, H.L., Ahlberg, L.A. Defect characterization by ultrasonic signal process techniques 9—52614
Elsom, D.M. Air pollution episode in Greater Manchester 9—84464
Elson, J.M. Diffraction and diffuse scattering from dielectric multilayers 9—50220
Elson, J.M., Bennett, J.M. Relation between the angular dependence of scattering and the statistical properties of optical surfaces 9—50219
Elson, J.M., Bennett, J.M. Vector scattering theory 9—59638
Elson, L.S. A diagnostic model of the mean circulation of the upper atmosphere of Venus using remote temperature soundings 9—58287
Elson, T.P. Velocity profiles of concentric flow between coaxial, rotating cylinders with a stationary lower boundary 9—68714
Elssner, G. *see* Pabst, R.F. 9—70136
Elst, E.W. α Muscae and χ Carinae 9—80326
Elste, G.H. *see* Teske, R.G. 9—84769
Elstner, C.L., Harnisch, G., Altmann, W. On the results of small range gravity measurements in GDR area in the period 1970-1976 9—92469
Elston, D.P., Purucker, M.E. Detrital magnetization in red beds in the Moenkopi Formation (Triassic), Gray Mountain, Arizona 9—79820
Elston, S.B., Schumann, S., Vane, C.R. Many-electron aspects of molecular promotion in ion-atom collisions: production of core-excited states of Li in Li^+-He collisions 9—50124
Elsuf'ev, S.A. Destruction of constructional elements under conditions of creep 9—98631
Elsuf'ev, S.A. Deformation and fracture processes in thin-wall tubes of partially crystalline polymers 9—100222
Elsukov, E.P., Startseva, I.E. Use of the Mossbauer method in investigations of magnetization processes 9—69761
Eltayeb, I.A., Hassan, M.H.A. On the effects of a bumpy core-mantle interface 9—79771
Eltayeb, I.A. *see* El Sawi, M. 9—55422
Elterman, P.B. *see* Simmons, J.H. 9—78620
Elthon, D., Ridley, W.I. Comments on: 'The partitioning of nickel between olivine and silicate melt' by S.R. Hart and K.E. Davis 9—88319
Elthon, D. *see* Stern, C. 9—88354
Elton, L.R.B. Teaching by Keller Plan—comment on a course in Spain 9—58495
Eltoukhy, A.H., Barnett, S.A., Greene, J.E. Ion bombardment effects on elemental incorporation probabilities during sputter deposition of GaSb and InSb 9—83120
Eltoukhy, A.H., Greene, J.E. Compositionally modulated sputtered InSb/GaSb superlattices: crystal growth and interlayer diffusion 9—56930
Eltoukhy, A.H. *see* Barr, T.L. 9—87561
Elverhaug, N. *see* Albrow, M.G. 9—75805
Elvin, D.E.C. *see* Kim, H.C. 9—100167
Elving, P.J. *see* Cummings, T.E. 9—52678
Elwany, M.H.S., Barr, A.D.S. Minimum weight design of beams in torsional vibration with several frequency constraints 9—68629
Elwell, D. *see* Morris, A.W. 9—100039
Elwenspoek, M. High frequency motion and nuclear magnetic spin relaxation in highly viscous liquids 9—51874
Elwyn, A.J., Monahan, J.E. d+^{6}Li reactions at low energy 9—67758
Ely, R. *see* Kass, R.D. 9—93472
Ely, R. *see* Piccolo, M. 9—93439
Ely, R. *see* Rapidis, P.A. 9—75780
Elyan, V.V. *see* Balbekov, V.I. 9—63829
Elyan, V.V. *see* Baldin, A.M. 9—72125
Elyas, M. *see* Chandra, B.P. 9—65939, 9—95861
Elyashberg, M.E. *see* Gribov, L.A. 9—49962
El'yashevich, G.K. *see* Poddubnyi, V.I. 9—69033
Elyukhin, V.A. Self-similar solutions of the external condensation problem 9—94705
Elyutin, S.O., Zakharov, S.M., Manykin, E.A. Theory of formation of a photon (light) echo pulse 9—55192
Elyutina, G.I. *see* Nikitin, P.N. 9—96129
Elzinga, H.S. *see* Baibich, M.N. 9—99535
Ema, Y., Hayashi, T. Observation of capacitance variation with illumination in Al-amorphous Se-Al structure 9—87165
Ema, Y. *see* Kikuchi, T. 9—99610
Emamirad, H.A. *see* Balabane, M. 9—97227
Eman, B. *see* Stipcic, N. 9—97927
Emanuel, G. High-enrichment steady-state cascade performance 9—59264
Emanuel', N.M. The structural-kinetic aspects of ageing and stabilization of polymers 9—52660
Emanuel', N.M. *see* Murza, L.I. 9—70577
Emanuele, A. *see* Ubertini, P. 9—62716
Embleton, T.F.W. *see* Daigle, G.A. 9—98525
Embley, G.T. *see* Clarke, G.A. 9—52542
Embrechts, M.J. *see* Thomas, J.R., Jr. 9—85572
Embrey, P.G., Criddle, A.J. Error problems in the two-media method of deriving the optical constants n and k from measured reflectances 9—58100
Embury, J.D. *see* Green, D.J. 9—66141, 9—70156
Embury, J.D. *see* Lereim, J. 9—52475
Embury, J.D. *see* Moan, G.D. 9—61646
Emch, G.G., Sinha, K.B. Weak quantization in a nonperturbative model 9—88825
Emch, G.G., Varilly, J.C. On the standard form of the Bloch equation 9—58621
Emeleus, K.G. Electron reflection in probe analysis of plasmas 9—64913
Emeleus, K.G. Electron reflection and secondary emission in probe analysis of plasmas 9—98977
Emel'yanenko, L.P. *see* Chistyakov, Yu.I. 9—52461
Emel'yanenko, L.P. *see* Shvartsman, L.A. 9—69248
Emel'yanenko, N.Yu., Belyaev, N.A. The lost comets of only one appearance. The study of the movement of comets Giacobini (1896 V), Metcalf (1906 VI), Schorr (1918 III) and Du Toit 1 (1944 III) 9—92725
Emel'yanenko, O.V. *see* Golubev, V.G. 9—82638
Emel'yanenko, O.V. *see* Vitovskii, N.A. 9—69158
Emel'yanenko, V.V. Investigation of Periodic Comet Tuttle's motion from 1858 to 1967 9—92726
Emel'yanenko, V.V., Belyaev, N.A. The lost comets of only one appearance. The investigation of the movement of Comet Taylor (1916 I) 9—92724
Emel'yanov, I.Ya., Filipchuk, E.V., Potapenko, P.T., Dunaev, V.G., Kuznetsov, N.A. Algorithms of operational computer control of power reactors 9—67896
Emel'yanov, I.Ya., Filipchuk, E.V., Potapenko, P.T., Krylov, V.M. Three-dimensional analogue reactor simulation with allowance for heat transfer 9—63739
Emel'yanov, I.Ya., Nazaryan, V.G., Postnikov, V.V. Optimization of energy distribution in active region of large functional power reactor 9—59186

Emel'yanov, I.Ya., Potapenko, P.T., Filipchuk, E.V., Krylov, V.M. Three-dimensional zone power control of reactor 9—63764

Emel'yanov, S.L., Startsev, V.I., Sokolov, V.G. A method of increasing the sensitivity of low-current amplifiers used to measure the parameters of interplanetary plasma by the modulation method 9—92676

Emel'yanov, V.M. *see* Volkov, N.G. 9—59102

Emel'yanov, V.N. *see* Andreeva, L.N. 9—65835

Emel'yanov, Yu.A. *see* Baiburina, S.G. 9—80156, 9—80170

Emel'yanov, Yu.A. *see* Serikov, M.I. 9—95973

Emel'yanova, L.I. *see* Bedenyapin, G.A. 9—70102

Emel'yanova, L.I. *see* Dushin, Yu.A. 9—52260

Emel'yanova, O.A. *see* Gavrilina, L.Ya. 9—96358

Emergy, R.J., Zavody, A.M. Atmospheric propagation in the frequency range 100-1000 GHz 9—92578

Emerson, B. *see* Clark, D.H. 9—84766

Emerson, C.J. *see* Barber, V.C. 9—80724

Emerson, D.T., Klein, U., Haslam, C.G.T. A multiple beam technique for overcoming atmospheric limitations to single-dish observations of extended radio sources 9—75113

Emerson, D.T. *see* Beck, R. 9—92853

Emerson, D.T. *see* Klein, U. 9—75264

Emerson, D.T. *see* Kronberg, P.P. 9—71119

Emerson, F.A. *see* Thomas, M.M. 9—59223

Emerson, L.C., Clausing, R.E., Heatherly, L. Surface impurity studies in the ISX-A Tokamak 9—82097

Emerson, L.C. *see* Clausing, R.E. 9—80628

Emerson, L.C. *see* Gomay, Y. 9—90438

Emerson, N.G., Sealy, B.J. Effects of laser irradiation of GaAs observed by DLTS 9—99499

Emert, C.J., Milani, S. The LWBR delayed-neutron pellet assay gauge 9—54590

Emert, C.J. *see* Schick, W.C., Jr. 9—59220

Emery, A.F. *see* Kobayashi, A.S. 9—61732

Emery, J.F. *see* Ellis, Y.A. 9—93516

Emery, T.R. *see* Knodle, W.S., III. 9—54239

Emery, V.J., Mukamel, D. Locking of the two charge-density waves in $NbSe_3$ 9—95350

Emery, W.J., Reid, T.J., DeSanto, J.A., Baer, R.N., Dugan, J.P. Mesoscale variations in the deep sound channel and effects on low-frequency and propagation 9—98529

Emets, Y.P., Gorodga, L.V., Reztsov, V.F., Vasetsky, Y.M. Electrical fields and transport properties of nonuniform plasmas in high magnetic fields 9—60862

Emets', Yu.P. *see* Dudko, D.Ya. 9—50571

Emge, R.G. *see* Crowe, M.J. 9—70857

Emi, H. *see* Kanaoka, C. 9—64760

Emid, S., Bax, A., Konijnendijk, J., Smidt, J., Pines, A. Multiple quantum coherence in dipolar relaxation measurements 9—73845

Emigh, C.R. *see* Armstrong, D.D. 9—76220

Emigh, C.R. *see* Battat, M.E. 9—54597

Emigh, R.A., Kraushaar, J.J., Shastry, S. Proton spectroscopy of ^{96}Tc from the (^{3}He,d) reaction 9—63573

Emigh, R.A. *see* Alford, W.P. 9—63574, 9—75852

Emigh, R.A. *see* Anderson, R.E. 9—67733

Emigh, R.A. *see* Smith, P.A. 9—67630

Emigh, S.G. *see* Johnston, R.P. 9—53287

Emiliana, C., Hudson, J.H., Shinn, E.A., George, R.Y. Oxygen and carbon isotopic growth record in a reef coral from the Florida Keys and a deep-sea coral from Blake Plateau 9—62524

Emin, D. Small-polaron hopping in magnetic semiconductors 9—95409

Emin, D., Baskes, M.I., Wilson, W.D. Explicit studies of the quantum theory of light interstitial diffusion 9—56690

Emiryan, L.M. *see* Nikiforov, K.G. 9—69730

Emkey, W.L. Small group approach to introductory physics 9—97127

Emlin, R.V., Zverev, L.P., Rut, O.E., Korovina, N.V. Interband absorption of light in indium phosphide in quantizing magnetic fields 9—73909

Emmert, G.A. *see* Grubb, D.P. 9—60181

Emmett, P.C., Aitken, R.J., Muir, D.C.F. A new apparatus for use in studies of the total and regional deposition of aerosol particles in the human respiratory tract during steady breathing 9—96719

Emmoth, B. Photon emission enhancement compared with the sputtering rate during thin film sputtering 9—78815

Emoto, T., Yamamuro, N. A data processing system for neutron experiments 9—81143

Ems, S. *see* Polvado, R. 9—63543

Ems, S.C., Gray, S.W., Rust, D.R., Klem, R.D., Cho, Y.L. Inclusive π^- asymmetries near X=0 9—63541

Ems, S.C. *see* Polvado, R.O. 9—58983

Emsley, J., Overill, R.E. Defining the bond energy of a strong hydrogen bond 9—98240

Emsley, J.W., Khoo, S.K., Luckhurst, G.R. Determination of orientational order parameters for nematics by deuterium nuclear magnetic resonance. The influence of internal rotation 9—50987

Emslie, A.G. *see* Aronson, J.R. 9—95189

Emslie, S.G. On the special theory of relativity and non-euclidean lorentz transformations 9—97194

En-Lin Yeh Distortion of bar-phantom image by collimator 9—100722

Enakii, V.N. *see* Perlin, Yu.E. 9—56853

Enaleeva, N.K., Kondrat'ev, A.S., Kuchma, A.E., Meilanov, R.P. Electron liquid oscillations in d-metals 9—90979

Enari, K. *see* Koma, A. 9—95885

Encinas, M.V., Scaiano, J.C. Quasi-isoenergetic triplet energy migration in homogeneous solution 9—61878

Enck, R.C. *see* Abkowitz, M. 9—82640

Enckevort, W.J.P.Van *see* Van Enckevort, W.J.P.

Encrenaz, T. *see* Combes, M. 9—84734

Endal, A.S., Sofia, S. The evolution of rotating stars. III. Predicted surface rotation velocities for stars which conserve total angular momentum 9—96991

Endal, A.S. *see* Sofia, S. 9—84767

Endemann, M. *see* Koroteev, N.I. 9—85963

Ender, A.Ya. *see* Kolyshkin, I.N. 9—64706

Ender, I.A. *see* Kolyshkin, I.N. 9—64706

Enderby, J.E. The thermoelectric power of liquid metals 9—65450

Enderlein, R., Bechstedt, F. Electronic elementary excitations in the far UV and X-ray region: application to Ga-V compounds 9—95346

Enderlein, R., Peuker, K., Bechstedt, F. General theory of light scattering in solids 9—61324

Enderlein, R., Renner, P., Scheele, M. Electro-optic effects due to the Stark splitting of energy bands 9—82950

Enderlein, R. *see* Bechstedt, F. 9—90985

Endersz, G. *see* Bottcher, U. 9—68430

Endo, H., Endo, Y. Spectral analysis of the velocity autocorrelation function of a model liquid 9—90512

Endo, H., Hinata, Y. A theoretical study of plasma beam control for realizing fusion reactors including TOKAMAK-type and others 9—97903

Endo, H. *see* Hoshino, H. 9—90790

Endo, H. *see* Uda, M. 9—59392

Endo, I. *see* Baba, K. 9—75972

Endo, I. *see* Takajo, S. 9—59615

Endo, J. *see* Tonomura, A. 9—54231, 9—85203

Endo, K. Minicomputer assisted function generator for the dynamic control of chromaticity correction sextupoles 9—68009

Endo, K., Ando, A. Closed orbit control system for main ring of KEK-PS 9—68008

Endo, K., Kimura, Y., Mitsunobu, S., Ninomiya, S., Sakamoto, Y., Sato, H., Takeuchi, Y., Tokumoto, S. Slow extraction from KEK-PS main ring 9—72046

Endo, K., Komai, K., Kimura, K. Cathodic protection against propagation of corrosion fatigue cracks of a mild steel 9—74281

Endo, K. *see* Yuasa, T. 9—81444

Endo, M. Variable laser attenuator with an iris diaphragm 9—98378

Endo, M., Iinuma, T.A. Comparison of convolution reconstruction algorithms from fan beam 9—57760

Endo, M., Mitsuhashi, Y., Nemoto, T. Review of optical attenuators 9—98475

Endo, M. *see* Nagatomo, T. 9—79393

Endo, N. *see* Ando, M. 9—81342

Endo, R., Hasumi, A., Kimura, T. Energy density commutator for massless spin 3/2 field in a covariant gauge 9—71335

Endo, R., Kimura, T. Canonical quantization of massless and massive spin 3/2 field in general covariant gauges 9—71334

Endo, R. *see* Hasumi, A. 9—75703

Endo, S., Fujioka, N. The phase boundary between α'- and tetragonal Ce 9—60500

Endo, S. *see* Irie, T. 9—87096

Endo, S. *see* Yamaguchi, K. 9—88506

Endo, T., Fukunaga, O., Iwata, M. Growth pressure-temperature region of cubic BN in the system BN-Mg 9—66053

Endo, T., Fukunga, O., Iwata, M. Precipitation mechanism of BN in the ternary system of B-Mg-N 9—70068

Endo, T., Kino, T. Deviations from Matthiessen's rule of the electrical resistivity due to dislocations in gold 9—65425

Endo, T. *see* Nitta, S. 9—65946

Endo, T. *see* Yonezaki, G. 9—63266

Endo, Y., Saito, S., Hirota, E. Microwave spectrum of sulfur difluoride in the first excited vibrational states vibrational potential function and equilibrium structure 9—93988

Endo, Y. *see* Endo, H. 9—90512

Endo, Y. *see* Hirota, E. 9—93986

Endoh, A., Sato, T., Watanabe, S., Kashiwagi, H. Temperature control of multiline oscillation of a TEA CO_2 laser 9—98337

Endoh, K. *see* Kitano, K. 9—94631

Endoh, Y. Lattice dynamics in ferromagnetic Invar alloys 9—55838

Endoh, Y., Shirane, G., Birgeneau, R.J., Ajiro, Y. Spin fluctuations in a random one-dimensional Heisenberg antiferromagnet: $(CD_3)_4NMn_cCu_{1-c}Cl_3$ 9—61140

Endoh, Y. *see* Heilmann, I.U. 9—91223

Endorf, R. *see* Efremenko, V.I. 9—75763

Endres, G.W.R., Faust, L.G. Low-level radiation dose measurements at nuclear power sites 9—85820

Endres, H., Harms, R., Keller, H.J., Moroni, W., Nothe, D., Vartanian, M.H., Soos, Z.G. The average structure of 5.10-dihydro-5.10-diethylphenazinium-iodide ($E_2P.I_{1.6}$): a new linear chain polyiodide compound 9—90636

Endriz, J.G. *see* Catanese, C.A. 9—55591

Endter, R.K., Foster, R.G. Effect of inoperable in-core detectors on core monitoring system accuracy 9—93790

Enescu, D. *see* Fuchs, K. 9—84172

Enescu, D. *see* Muller, G. 9—57876

Enfiadjian, R.L. *see* Dzhotyan, A.P. 9—95343

Enfiadzhyan, R.L. *see* Dzhotyan, A.P. 9—78011

Eng, R.S., Mantz, A.W. Tunable diode laser spectroscopy of CO_2 in the 10- to 15-μm spectral region—lineshape and Q-branch head absorption profile 9—59452

Eng, R.S., Mantz, A.W. Tunable diode laser measurement of water vapor line parameters in the 10- to 15-μm spectral region 9—59454

Eng, R.S., Mantz, A.W., Todd, T.R. Low-frequency noise characteristics of Pb-salt semiconductor lasers 9—59698

Eng, R.S. *see* Reddy, S.P. 9—71542

Eng, S.T. *see* Johansson, J. 9—98431

Engbretson, G.A., Hassin, G., Witkovsky, P. The threshold versus pigment relation of Xenopus rods 9—79526

Engdahl, E.R., Kisslinger, C. Seismological precursors of earthquakes in an island arc 9—57874

Enge, H.A. Particle detection systems 9—54740

Enge, H.A. Magnetic spectrographs for nuclear reaction studies 9—68126

Enge, W. *see* Hunger, W. 9—76299

Enge, W. *see* Simon, M. 9—66891

Engebretson, M.J., Mauersberger, K. The impact of gas-surface reactions on mass spectrometric measurements of atomic nitrogen 9—66849

Engel, A. Molecular weight determination by scanning transmission electron microscopy 9—92451

Engel, A. *see* Ottensmeyer, F.P. 9—62175

Engel, A.E. *see* Ehrmann, C.H. 9—89543

Engel, A.R. High energy astrophysics 9—66890

Engel, A.R. *see* Quenby, J.J. 9—58444

Engel, H., Schneider, H., Shulze, K.-D. Lifetime measurements on excited states in ^{100}Rh 9—63631

Engel, J.P. *see* Armenise, N. 9—67533

Engel, R.L. *see* Andrews, W.B. 9—89416

Engel, T. *see* Rieder, K.H. 9—86984

Engel, W. *see* Bohm, R. 9—63589

Engeland, T. *see* Rekstad, J. 9—58999

Engelbertink, G.A.P. *see* Aarts, H.J.M. 9—67625

Engelbrecht, J. On the theory of nonlinear deformation waves in a nonhomogeneous medium 9—50642

Engelbrecht, J. One-dimensional deformation waves in nonlinear viscoelastic media 9—50645

Engelbrecht, J.A.A., Snyman, H.C. Misfit dislocations in the Fe-(111) Au system 9—73415

Engelbrecht, J.A.A., Snyman, H.C. The nature of the interaction layer formed at the Fe-(111) Au interface 9—99433

Engel'brekht, Yu.K. *see* Ivanov, Ts. 9—94541

Engelen, P.van *see* van Engelen, P.

Engel'gardt, G.R., Davydov, A.D., Krylov, V.S. Method to calculate the rate of ionic mass transport in electrochemical reactions in concentrated solutions 9—70352

Engel'gardt, G.R., Krylov, V.S. Migration effect in ion mass transfer under the conditions of metal electrodeposition 9—61523

Engelhardt, D. *see* Bassalleck, B. 9—85496

Engelhardt, H.-D. *see* Bassalleck, B. 9—59089

Engelhardt, M., Weber, D., Schoepe, W. Lifetime of electrons on the liquid surface of superfluid ^{4}He 9—77849

Engelhardt, R. *see* Bergmann, K. 9—54999

Engelhardt, U. *see* Feuerhahn, M. 9—98097

Engelhardt, W. Marine research from the outer space—take-off of the first ocean observation satellite 9—74979

Engelhardt, W. Recent results from Venus and Jupiter 9—96961

Engelke, F. Chemiluminescence studies of vibrational-to-vibrational energy transfer: MF^*+HF 9—98197

Engelke, F. *see* Breford, E.J. 9—98143

Engelke, R. Diatomic-molecule vibrational potentials. II. New representations 9—68219

Engelke, R. Effect of a physical inhomogeneity on steady-state detonation velocity 9—94641

Engelke, R. *see* Hubner, K. 9—82175

Engelking, P.C. *see* Corderman, R.R. 9—68212

Engelking, P.C. *see* Novick, S.E. 9—64042

Engel'ko, V.I. *see* Burtsev, V.A. 9—64887, 9—72475

Engelman, M., Bercovier, M. Error estimate for the approximation of Stokes problem by a conforming quadrilateral element 9—49039

Engelman, M. *see* Bercovier, M. 9—50747

Engelmann, F. *see* Bornatici, M. 9—64874, 9—72996, 9—82065, 9—94800, 9—98905

Engelmann, P. The high temperature reactor—an advanced reactor for the power and direct heating market 9—76088
Engelmann, R.J. *see* Jostlein, H. 9—89310
Engelmann, R.W.H., Kerps, D., Nunes, F.D. Lateral waveguiding in stripe-geometry double-heterostructure lasers below the lasing threshold 9—98361
Engels, D. Catalogue of late-type stars with OH, H_2O or SiO maser emission 9—70965
Engels, J. *see* Krzywicki, A. 9—89110
Engels, J.M.L. The drift velocity of excess electrons in compressed methane 9—91113
Engelsberg, M. NMR observation of field-induced domain reorientation in antiferromagnetic $KNiF_3$ 9—82816
Engelsberg, M., Rezende, S.M., Soares, E.A. ^{19}F spin-lattice relaxation in antiferromagnets with the perovskite structure 9—73838
Engel'sht, V.S. *see* Desyatkov, G.A. 9—90478
Engen, G. *see* Helmberger, D.V. 9—57864
Enger, L. *see* Hogstrom, U. 9—53419, 9—92565
Engfer, R., Hartmann, R., Hermes, E., Isaak, H.P., Pruys, H.S., Schleputz, F.W., Zglinski, A., Kozlowski, T., Pfeiffer, H.J., Sennhauser, U., Walter, H.K., Hesselink, W. Nuclear pion capture at rest 9—85497
Engi, S. *see* Chapman, L.D. 9—85674
Engira, R.M., Mann, K.D. Design fabrication and testing of three meter diameter parabolic dish heliostat system 9—62111
Engi, W.L. *see* Huppertz, H. 9—87582
Englade, R. *see* Antonsen, T. 9—55543
England, J.B.A. *see* Bhowmik, R.K. 9—93649
England, P.C., Holland, T.J.B. Archimedes and the Tauren eclogites the role of buoyancy in the preservation of exotic eclogite blocks 9—88350
England, R., Hennart, J.P., Martin, J.G., Waller, S.M. Self-consistent two-dimensional transport equations for arbitrary cross-section Tokamaks 9—49842
England, R. *see* Sabina, F.J. 9—88306
England, T.R. *see* LaBauve, R.J. 9—67797
England, T.R. *see* Liaw, J.R. 9—67798
England, T.R. *see* Stamatelatos, M.G. 9—93674
Englander, M. *see* Esling, C. 9—83229
Engleman, R., Jr. *see* Keller, R.A. 9—77437
Engler, C., Lorenz, W. Charge distribution resulting from localised phase density in a simple model of chemisorption 9—51434
Engler, G., Nir-El, Y., Shmid, M., Amiel, S. Half-life measurements of Rb, Sr, Y, Cs, Ba, La and Ce isotopes with A=91-98 and A=142-149 9—67718
Englert, B.-G., Karkowski, J., Rayski, J.M., Jr. Conditions of classical sources for a quantum scalar field with higher order derivatives 9—63365
Englert, F. *see* Brout, R. 9—53945, 9—88773
Englert, G.W. Trajectories of charged particles in radial electric and uniform axial magnetic fields 9—77336
Englert, P., Herr, W. A study on exposure ages of chondrites based on spallogenic ^{53}Mn 9—53776
Englert, W., Heiland, W., Taglauer, E., Menzel, D. The sorption of CO and O on Ni(111) studied by LEED and ISS 9—65324
Englich, J., Cizek, P. N^{14} NMR in non-stoichiometric cubic manganese nitrides 9—91302
English, A.T. *see* Kinsbron, E. 9—79357
English, C.A. *see* Jenkins, M.L. 9—99251
English, D.R. The gravitational analogue to Maxwell's equations 9—63108
English, J.H. *see* Bondybey, V.E. 9—50068, 9—89702, 9—94026, 9—98138
English, J.H. *see* Miller, T.A. 9—68252
English, M.C. *see* Adams, W.P. 9—62540
English, T.C. *see* Barger, R.L. 9—85925
Englman, R. A statistical analysis of multi-phonon relaxation 9—79223
Englman, R. *see* Halperin, B. 9—83018
Engquist, B., Kreiss, H.O. Difference and finite element methods for hyperbolic differential equations 9—49059
Engrand, M. *see* Pouthas, J. 9—59316
Engstrom, E.R., Jr., Webster, J.G., Bass, P. Analysis of duodenal contractility in the unanesthetized dog 9—92207
Engstrom, H., Bates, J.B. Raman scattering from boron-implanted laser-annealed silicon 9—78711
Engstrom, H., Bates, J.B., Young, R.T., Noonan, J.R., White, C.W. Infrared and Raman spectra of boron implanted, laser annealed silicon 9—73914
Engstrom, H. *see* Kaneda, T. 9—99364
Engstrom, L., Denne, B., Huldt, S., Ekberg, J.O., Curtis, L.J., Veje, E., Martinson, I. Experimental transition probabilities for intercombination lines in N IV, O V and F VI 9—89645
Engstrom, S., Wennerstrom, H. Ion condensation on planar surfaces. A solution of the Poisson-Boltzmann equation for two parallel charged plates 9—87849
Engvold, O., Jensen, E., Andersen, B.N. Kinematics of a loop prominence 9—84774
Engvold, O. *see* Andersen, B.N. 9—101136
Enikolopyan, N.S. *see* Topolkaraev, V.A. 9—65139
Enikova, M. *see* Andreychev, V. 9—49603
Enikova, M.M., Karloukovski, V.I. Exact solutions in field thory 9—75677
Enikova, M.M., Karloukovski, V.I., Velchev, C.I. Exact finite-energy solutions in non-linear SU(2)×SU(2) and SU(2)×SU(1,1) chiral theories 9—54253
Enisherlova, K.L., Kuteinikova, Z.A., Podshibyakina, N.P. Possibilities of method of static indentation in investigation of subsurface layers of brittle single crystals 9—52517
Enisherlova, K.L. *see* Kuteinikova, Z.A. 9—87714
Enke, C.G. *see* Darland, E.J. 9—89523, 9—89524
Enke, C.G. *see* Yost, R.A. 9—67419
Enkovskii, L.L., Chikovani, Z.E. Automodel asymptotics in the dual model 9—93388
Ennen, G., Ottinger, C. Collision induced dissociation of laser-excited $Li_2(B^1\Pi_u)$ 9—79232
Ennen, G., Ottinger, Ch. Collision-induced dissociation of dye-laser excited $Li_2(A\ ^1\Sigma_u^+)$ 9—91920
Ennos, A.E. Speckle interferometry 9—75584
Ennos, A.E., Thomas, K. Holographic measurement of distortion of plastics after injection moulding 9—79020
Ennos, A.E. *see* Archbold, E. 9—86389
Enns, R.H., Rangnekar, S.S. The three-wave interaction in nonlinear optics 9—86209
Eno, L., Balint-Kurti, G.G. The adiabatic distorted wave infinite order sudden (ADWIOS) approximation for the calculation of inelastic molecular collision cross sections 9—94066
Eno, L. *see* Balint-Kurti, G.G. 9—59542
Enoch, J.M. *see* Bedell, H.E. 9—62262
Enokizono, M. *see* Narita, K. 9—51833
Enome, S. *see* Ishiguro, M. 9—101066
Enome, S. *see* Shibasaki, K. 9—101074, 9—101134
Enome, S. *see* Torii, C. 9—101065
Enomoto, J. *see* Karino, I. 9—87914
Enomoto, M., Furubayashi, E. A model for Luders band formation and plastic instability in iron related with the strain softening due to the Johnston-Gilman-Hahn theory 9—61676
Enomoto, S., Tominaga, H., Tachikawa, N., Senoo, M. Particle size determination by use of ^{55}Fe X-ray absorption 9—75491
Enomura, A. *see* Sakata, T. 9—56525
Enpuku, K., Yoshida, K., Irie, F. On the broadening of the vortex width in a long Josephson tunnel junction 9—82718
Enright, G.D., Richardson, M.C., Burnett, N.H. Superthermal X-ray emission from CO_2-laser-produced plasmas 9—90454
Enright, G.D. *see* Baldis, H.A. 9—55506
Enright, G.D. *see* Jaanimagi, P.A. 9—90391
Enright, G.D. *see* Joshi, C. 9—73033
Enright, G.D. *see* Rand, S.C. 9—73962
Enright, G.D. *see* Villeneuve, D.M. 9—90456
Enrikes, B. *see* Afanas'yeva, V.I. 9—57849
Enriotti, M. *see* Butera, P. 9—97510
Enriques, L. *see* Ascoli-Bartoli, U. 9—60170
Ensley, R.A. *see* Verosub, K.L. 9—70785
Enss, V. Asymptotic completeness for quantum-mechanical potential scattering. II. Singular and long-range potentials 9—71264
Ensslin, N., Fagg, L.W., Lindgren, R.A., Bendel, W.L., Jones, E.C., Jr. Inelastic electron scattering from ^{14}N at 180° 9—49598
Ensslin, N. *see* Bowersox, D.F. 9—85589
Ensslin, W. *see* Kupka, H. 9—78735
Entel, P., Grewe, N. Mixed valencies: structure of phase diagrams, lattice properties and the consequences of electron hole symmetry 9—91002
Entel, P. *see* Grewe, N. 9—73268, 9—90749
Entenberg, A., Horstkotte, J., Kozanecki, W., Mann, A.K., Rubbia, C., Strait, J., Sulak, L., Wanderer, P., Williams, H.H. Measurement of the elastic scattering of neutrinos and antineutrinos by protons 9—54333
Entin, I.R. On dynamic diffraction of X-rays by a crystal with a periodic displacement field 9—94843
Entin, M.V. *see* Baskin, E.M. 9—69554
Entin, R.I. *see* Alekseev, L.A. 9—70061
Entin, R.I. *see* Kulemin, A.V. 9—74148
Entin, S.D. *see* Novozhilov, N.M. 9—87614
Entin-Wohlman, O., Orbach, R. Effect of pair breaking on branch relaxation in nonequilibrium superconductors 9—78257
Entin-Wohlman, O. *see* Ovadyahu, Z. 9—99659
Entine, G., Luthmann, R., Mauderli, W., Fitzgerald, T., Williams, C.M., Tosswill, C.H. Cadmium telluride gamma camera 9—49351
Entine, S. *see* Friedman, R.B. 9—57816
Entov, V.M. Stability of capillary jets of elastico-viscous fluids 9—90303
Entov, V.M., Makhkamov, S.M., Mukuk, K.V. An effect of normal stresses [elastoviscous stream falling under gravity] 9—72917
Entov, V.M., Odishariya, M.G. Problems of pressureless nonlinear filtration 9—81960
Entov, V.M., Turetskaya, F.D. Effects of inhomogeneity of flow in nonlinear nonstationary filtration 9—68799
Enustun, B.V. *see* Demirci, S. 9—87883
Enyakov, A.M. *see* Belashchenko, G.I. 9—81609, 9—94441
Enyo, S. *see* Yosinobu, H. 9—90252
Enz, C.P., Matthias, B.T. Weak itinerant magnetism as inhibited superconductivity 9—51715
Enz, C.P., Tursk, L.A. On the Fokker-Planck description of compressible fluids 9—80498
Enz, U. Irreversible photomagnetic effects in garnets 9—99719
Eon, C. *see* Karger, B.L. 9—74449
Eon, J.-G., Courtine, P. Theoretical influence of the interfacial fit in solid-solid interaction 9—73410
Epaneshnikova, I.K. *see* Korzo, V.F. 9—87166
Epel'baum, M.B. Partial volume of structural components in alkali-silicate glasses and melts 9—94915
Epelboin, I., Badiali, J.P., Dupont, M. New developments in the statistical mechanics of the ideally polarizable electrode 9—96330
Epelboin, I. *see* Amblard, J. 9—74105
Epelboin, I. *see* Deslouis, C. 9—77138
Epelboin, Y. Contrast of a stacking fault in X-ray section topography. Study of the Laue-Bragg case 9—77453
Epelboin, Y., Jeanne-Michaud, A., Zarka, A. The use of nuclear emulsions in X-ray topography: improvement of the development methods 9—50940
Epelboin, Y. *see* Nourtier, C. 9—78434
Epherre, M., Audi, G., Thibault, C., Klapisch, R., Huber, G., Touchard, F., Wollnik, H. Direct measurements of the masses of rubidium and cesium isotopes far from stability 9—54383
Ephraim, A.B., Calahorra, Z., Folman, M. Interaction of N_2 and CO with the (111) crystal plane of the germanium surface 9—90872
Ephrath, L.M. *see* DiMaria, D.J. 9—90704
Epifanio, G., Trapani, C. Remarks on a theorem by G. Epifanio, 'On the matrix representation of unbounded operators' [J. Math. Phys., 17, 1688 (1976)] 9—97231
Epifanov, A.S. *see* Gorshkov, B.G. 9—51906
Epifanov, V.G. *see* Pet'kov, V.V. 9—49355
Epifanov, V.P., Leonov, A.I. On dynamical shear measurements in water solutions of low concentration polyethylene oxide 9—86393
Epik, A.P., Shavlovskii, E.N., Mironov, E.A., Kotlyarenko, L.A., Yakovleva, M.S. Investigation of the properties of diffusion carbide and boride coatings on constructional steels 9—52443
Epik, A.P. *see* Korostelev, V.F. 9—66168
Epik, E.Ya. *see* Polyakov, N.F. 9—68689
Epinat'ev, A.M. *see* Gornostaev, B.D. 9—76130
Epishina, N.I. *see* Klyuev, Yu.A. 9—92530
Eponeshnikov, V.N., Krechetov, Yu.F. The reaction $(\gamma,\pi^0 p)$ with ^6Li, ^{12}C, ^{16}O nuclei, over a wide range of transmitted impulse 9—59050
Eponeshnikov, V.N., Krechetov, Yu.F., Padalko, V.N. Photoproduction of neutral mesons from ^{12}C with proton ejection 9—80921
Epp, E.R., Michaels, H.B., Ling, C.C., Gerweck, L.E. Studies on mammalian cells exposed to electrons at ultrahigh dose rates from a 600 kV field emission pulsed source 9—53194
Epp, V.Ya. *see* Didenko, A.N. 9—86121
Epperlein, P.W., Lassmann, K., Eisenmenger, W. Effective quasiparticle recombination times and electronic density of states at the Fermi level in superconducting films 9—56414
Epperson, J.E. Determination of local atomic configurations for binary substitutional alloys 9—86739
Epperson, J.E., Kostorz, G., Ortiz, C., Furnrohr, P., Gerstenberg, K.W. Neutron small angle scattering from deformed and annealed Cu and α-phase Cu-Al alloy single crystals 9—82127
Epperson, J.E. *see* Ortiz, C. 9—60216
Eppler, R.A. Kinetics of formation of an iron-zircon pink color 9—60360
Epps, H. *see* Stocke, J. 9—67096
Epshtein, E.M. Optical thermal breakdown of a semiconducting plate 9—56889
Epshtein, E.M. Odd photomagnetoresistance effect in a superlattice semiconductor 9—95425
Epshtein, E.M. *see* Balkarei, Yu.I. 9—51631
Epshtein, G.N. *see* Khadzhiev, R.R. 9—100166
Epshtein, L.E. *see* Krishtal, M.A. 9—52368
Epstein, A. On the calculation of turbulent flows on the basis of vorticity transfer theory 9—50719
Epstein, A. Some problems of the free turbulence 9—72885
Epstein, A. *see* Giacconi, R. 9—70941
Epstein, A.J. *see* Brill, J.W. 9—95072
Epstein, A.J. *see* Chaikin, P.M. 9—56203
Epstein, A.J. *see* Miller, J.S. 9—73505
Epstein, A.J. *see* Tanner, D.B. 9—95761
Epstein, E.E., Pomphrey, R.B., Fogarty, W.G. NGC 1275 (3C 84): similar structure in the optical and 3-mm radio variations 9—67102
Epstein, E.S. Beginnings of the National Climate Program 9—92598
Epstein, G.L., Reader, J. Spectrum and energy levels of triply ionized lanthanum (La IV) 9—72261
Epstein, G.N., Singham, M.K., Tabakin, F. $^{12}C(\gamma,\pi^-)^{12}N_{g.s.}$ from threshold to resonance 9—85456
Epstein, H. *see* Eckmann, J.-P. 9—89054

Epstein, H.I. Circumferential waves for a cylindrical shell in smooth contact with a continuum 9—94533
Epstein, I.R. *see* Schulten, K. 9—87861
Epstein, J., Stewart, R.F. On the vibrational average of diatomic molecular form factors: A study of the convolution approximation 9—50926
Epstein, J., Stewart, R.F. Vibrational averages of X-ray and high energy electron scattering intensities from diatomic molecules 9—81279
Epstein, J. *see* Motz, L. 9—63400
Epstein, J.A. *see* Sarig, S. 9—52101
Epstein, L.I. Design of optical filters. II 9—76801
Epstein, M. A note on nonlinear compatibility equations for sandwich shells and Cosserat surfaces 9—53976
Epstein, M., Hauser, G.M. The melting of finite steel slabs in flowing nuclear reactor fuel 9—54494
Epstein, M. *see* Chowdhury, K.L. 9—67164
Epstein, M. *see* Marhic, M.E. 9—81447
Epstein, M. *see* Swedish, M.J. 9—54549
Epstein, M.A.F., Epstein, R.A. Airway flow patterns during mechanical ventilation of infants: a mathematical model 9—57685
Epstein, R.A. *see* Epstein, M.A.F. 9—57685
Epstein, R.I. Lepton-driven convection in supernovae 9—84811
Epstein, R.I., Norgaard, H., Bond, J.R. Collapsing stellar cores and supernovae 9—62815
Epstein, S.T. On the gauge invariance of transition probabilities 9—97487
Epstein, S.T., Sadlej, A.J. Variable basis sets in perturbation theory: numerical finite perturbation versus analytic approach 9—59330
Epton, P.J., Wilson, W.L., Jr., Tittel, F.K., Rabson, T.A. Frequency measurement of the formic acid laser 311-μm line 9—76728
Epworth, R.W. *see* Hu, E.L. 9—65613
Er Ma *see* Ma Er
Eraker, J.H., Simpson, J.A. Jovian electron propagation close to the Sun (≲0.5 AU) 9—101034
Eramzhyan, R.A. *see* Dogotar, G.E. 9—85256, 9—97658
Eramzhyan, R.A. *see* Kissener, H.R. 9—85386
Eramzhyan, R.A. *see* Majling, L. 9—85566
Erasova, N.A., Efimov, B.A., Zakharyugina, G.F., Kaidanov, V.I. Impurity states of In in certain PbTe-based solid solutions 9—87054
Erb, W., Bauer, G. Designations of photometric and radiometric equipment 9—75570
Erba, E.Gadioli *see* Gadioli Erba, E.
Erbe, W. *see* Hohne, K.H. 9—79640
Erben, A., Kuchler, R., Rieger, P. ZKM 02-250. A new two-coordinate measuring microscope made by VEB Carl Zeiss JENA 9—75587
Erben, A., Rieger, P. Centring Projector 10 with higher performance 9—76782
Erber, T., Everett, P., Johnson, P.W. The simulation of random processes on digital computers with Cebysev mixing transformations 9—80510
ERber, T. *see* DeRaad, L.L., Jr. 9—49429
Erbudak, M., Greuter, F., Meier, F., Reihl, B., Keller, J. Electron spin polarization in uranium sulfide 9—65978
Erbudak, M., Greuter, F., Meier, F., Reihl, B., Vogt, O., Keller, J. Electronic structure of uranium selenide: experiment and theory 9—78831
Erbudak, M. *see* Eib, W. 9—52074
Erbudak, M. *see* Keller, J. 9—60675
Erbudak, M. *see* Reihl, B. 9—95903
Ercolani, D. *see* Ferrini, F. 9—82011
Erdahl, R.M., Garrod, C., Golli, B., Rosina, M. The application of group theory to generate new representability conditions for rotationally invariant density matrices 9—88870
Erdelyi, E. *see* Aiken, S. 9—98426
Erdelyi, E. *see* Steele, C. 9—59795
Erdelyi, G., Beke, D.L., Kedves, F.J., Godeny, I. Determination of diffusion coefficients of Zn, Co and Ni in aluminium by a resistometric method 9—51313
Erdelyi, G. *see* Beke, D.L. 9—95204
Erdi, B. The motion of the perihelion of Trojan asteroids 9—84725
Erdman, A.G., Dorman, F., Wallrich, M., Dahlof, B., Mayfield, J.K. Kinematic and kinetic analysis of the human wrist by stereoscopic instrumentation 9—92274
Erdman, K.L. Recent developments at TRIUMF 9—54643
Erdman, K.L. *see* Gyles, W. 9—85534
Erdman, K.L. *see* Johnson, R.R. 9—71872, 9—97653
Erdmann, D.E. *see* Spencer, R.R. 9—92115
Erdmann, J.C., Gellert, R.I. Application of recurrence rate techniques to turbulence analysis 9—50831
Erdmann, R.C. *see* Burns, E.T. 9—67910
Erdogan, F., Civelek, M.B. Stress intensity factors in a cracked infinite elastic wedge loaded by a rigid punch 9—77019
Erdogan, F. *see* Bassani, J.L. 9—50661
Erdogan, F. *see* Delale, F. 9—64594, 9—81809
Erdpresser, E. *see* Eder, O.J. 9—77490
Erdpresser, E. *see* Kunsch, B. 9—63215
Eremeev, I.P., Kumakhov, M.A. Neutron focus in the radiation field of relativistic channeled particles 9—85852
Eremeev, V.S., Gicheva, S.Ya. Diffusive creep in solid substitutional solutions 9—55816
Eremeev, V.S., Gudkov, A.I. Relation between a rheological and a microscopical model of sintering 9—95963
Eremenko, A.S. *see* Shchesno, L.P. 9—87754
Eremenko, L.T. *see* Atovmyan, L.O. 9—86781
Eremenko, T.M., Zarochentsev, E.V. Absolute zero isotherms and polymorphic phase transition in heavy alkali metals under pressure 9—73310
Eremenko, V.V. *see* Bron, R.Ya. 9—91487
Eremenko, V.V. *see* Bron, R.Yu. 9—87492
Eremenko, V.V. *see* Kharchenko, N.F. 9—61349
Eremenko, V.V. *see* Venitskii, V.N. 9—69728
Eremenko, V.V. *see* Verdyan, A.I. 9—87457
Eremenko, Yu.A. *see* Amanov, K.A. 9—80148
Eremin, A.D. *see* Vyskubenko, B.A. 9—64250
Eremin, A.N. *see* Golubev, L.I. 9—71878
Eremin, B.G., Zheleznyakov, V.V., Kostrov, A.V., Slutsker, Ya.Z., Suvorov, E.V. Laboratory modelling of neutron star magnetosphere 9—75240
Eremin, L.P., Il'in, A.P. Characteristics of the development process and composition of the visible image in a photographic system based on copper thiocyanate 9—58834
Eremin, M.V., Kalinenkov, V.N. Magnetic structure and cooperative ordering of orbitals in $KCuF_3$ and $KCrF_3$ 9—99687
Eremin, M.V., Kalinenkov, V.N., Rakitin, Yu.V. Exchange interaction of Cu^{2+} and Mn^{2+} ions in $MZnF_3$ 9—69480
Eremin, M.V. *see* Al'tshuler, N.S. 9—95817
Eremin, N.V., Melikov, Yu.V., Tulinov, A.F. On measurement of the process time for nuclear reactions by means of the bremsstrahlung accompanying the reaction 9—49613
Eremina, M.I., Khodosov, E.V. Thermokinetics of hydrogen generation from metal-hydrogen compounds based on transition metals of group V (V, Nb, Ta) 9—74421
Eremka, V.D. *see* Burtyka, M.V. 9—85181
Erenburg, A.I. *see* Krupskii, I.N. 9—55696
Erez, G. *see* Miron, E. 9—54802
Erez, G. *see* Smilanski, I. 9—81453
Erez, G. *see* Tenenbaum, J. 9—50284
Ergas, R.A. *see* Jackson, D.D. 9—57868
Ergashev, R. *see* Shakhverdov, T.A. 9—54897
Ergunova, R.M. *see* Grivtsov, A.C. 9—74011
Erhan, S., Lockman, W., Medinnis, M., Meyer, T., Rander, J., Schlein, P., Webb, R., Boehm, A., Foeth, H., Staude, A., Ellis, R., Naroska, B., Strolin, P., Zsembery, J. Λ^0 polarization in proton-proton interactions at $\sqrt{s}$=53 and 62 GeV 9—49550
Erhan, S., Lockman, W., Meyer, T., Rander, J., Schlein, P., Webb, R. Hyperon production in pp interactions at $\sqrt{s}$=53 and 62 GeV 9—89206
Erhan, S. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Erhan, S. *see* Lockman, W. 9—89205
Erhardt, R. *see* Schwarzmann, P.W. 9—88225
Erhardt, W. *see* Petrowicz, O. 9—100698
Ericksen, J.L. On St.-Venant's problem for thin-walled tubes 9—94485
Erickson, C.O., Whitney, F., Jr., Ley, B.E., Peltier, W.R. Comments on 'Wave generation and frontal collapse' [and reply] 9—88423
Erickson, G.J. Some frequencies of underwater noise produced by fishing boats affecting albacore catch 9—90063
Erickson, G.J. *see* Sando, K.M. 9—89728
Erickson, K.B. *see* Baker, M.B. 9—100930
Erickson, K.N., Swanson, R.L., Walker, R.J., Winckler, J.R. A study of magnetosphere dynamics during auroral electrojet events by observations of energetic electron intensity changes at synchronous orbit 9—66882
Erickson, L.E. Hyperfine interaction in the lowest levels of the $^3H_4$ and $^1D_2$ states of trivalent praseodymium in yttrium aluminum perovskite ($YAlO_3$) 9—78065
Erickson, N.E. *see* Klein, R. 9—82442
Erickson, N.R. Off-axis mirrors made using a conventional milling machine 9—59848
Erickson, P. Crystalline-lens position and accommodative efficiency 9—83765
Ericson, T., Koester, L. Properties of the neutron [and comment by L. Koester] 9—58961
Ericson, T.E.O. *see* Christillin, P. 9—85526
Ericsson, T. *see* Chandra, R. 9—99798
Ericsson, T. *see* Le Caer, G. 9—91323
Eriguchi, Y. Hydrostatic equilibria of rotating polytropes 9—80300
Eriksen, F. *see* Morgan, T.J. 9—81275
Eriksen, F.J. *see* Morgan, T.J. 9—68313
Eriksonas, K.M., Anisimova, G.P., Semenov, R.I., Boruta, I.I., Tutlis, V.I. Calculation of energy levels of the $2p^56d$ Ne I configuration in a magnetic field 9—63955
Eriksonas, K.M., Yachyauskas, I.P., Semenov, R.I. Determination of the weighting factors of wave functions from experimental data on g factors 9—98237
Eriksson, A., Lindgren, J. Intramolecular force fields for the water molecules in $CuCl_2.2H_2O$ and $CaSO_4.2H_2O$ 9—51229
Eriksson, K.G., Ahlbom, K., Landstrom, O., Larson, S.A., Lind, G., Malmqvist, D. Investigation for geothermal energy in Sweden 9—74488
Erin, E.A. *see* Druin, V.A. 9—59101
Eringen, A.C., Balta, F. Edge dislocation in nonlocal hexagonal elastic crystals 9—51105
Eringen, A.C. *see* Hajdo, L.E. 9—91396
Erinov, A.E. *see* Klevchishkin, V.A. 9—57165
Erinov, A.E. *see* Pikashov, V.S. 9—71455
Erismann, T.H. Mechanisms of large landslides 9—96762
Eristavi, D.A. *see* Barnaveli, T.T. 9—84603
Eristavi, N.A. *see* Barnaveli, T.T. 9—84603
Eritsyan, G.N. *see* Vinetskii, V.L. 9—65484
Eritsyan, O.S. Some particularities of the polarization of electromagnetic waves in gyrotropic media 9—81333
Eritzsch, H. Seeing the B mesons in hadronic collisions 9—93408
Erkhim, V.A., Belousov, O.K., Shkvarunets, T.I. Mechanical properties of TiNi-TiCu alloys 9—100216
Erkkila, B. *see* Blann, M. 9—54452
Erko, A.I. *see* Bykovskii, Yu.A. 9—98406
Erko, A.I. *see* Elesin, V.F. 9—76691
Erlandson, R.F. *see* Dymek, M.S. 9—79676
Erlandson, R.F. *see* Tenenbaum, J. 9—79678
Erlandsson, B., Marcinkowski, A., Nilson, K. Cross section of Rb at 14 MeV neutron energy and the decay of Rb 9—49600
Erlank, A.J. *see* Hamilton, P.J. 9—62469
Erle, D., Mayer, K.H., Plesser, T. The existence of stable limit cycles for enzyme catalyzed reactions with positive feedback 9—96289
Erley, W., Ibach, H., Lehwald, S., Wagner, H. CO vibrations on a stepped Ni surface 9—73406
Erley, W. *see* Lehwald, S. 9—52752
Erlings, J.G., Schapink, F.W. Electron diffraction from periodic ⟨111⟩ twist grain boundary structures 9—65100
Erlings, J.G., Schapink, F.W. The interface structure of Pd/(111)Au epitaxial films 9—95297
Erlings, J.G. *see* Schapink, F.W. 9—90675
Erlykina, M.E. *see* Chistov, S.F. 9—81310
Ermachenko, V.M., Konovalov, I.P., Petrovskii, V.N., Protsenko, E.D., Rurukin, A.N. Double-mode He-Ne laser in an axial magnetic field 9—86160
Ermachenko, V.M. *see* Bakaev, D.S. 9—59776
Ermachenko, V.M. *see* Evseev, I.V. 9—76766
Ermachenko, V.M. *see* Matskevich, V.K. 9—49985
Ermakov, A.I. *see* Vanyukov, A.V. 9—78941
Ermakov, A.L., Eroshenko, V.M., Terent'ev, Yu.N., Yanovskii, L.S. Investigation of laminar sublayer on permeable surfaces with injection 9—64645
Ermakov, A.N., Dzantiev, B.G., Jowko, A., Baj, H., Forys, M. Xenon sensitized radiolysis of water vapour. Yields of primary products 9—57265
Ermakov, D.S. *see* Maleev, E.N. 9—72687
Ermakov, G.V. Phase stability boundary and dependence of surface tension of a nucleus on the radius of curvature of its surface 9—60603
Ermakov, K.N. *see* Bakanov, L.V. 9—75988
Ermakov, K.N. *see* Bunakov, V.E. 9—75882
Ermakov, O.N. *see* Andreev, V.N. 9—89339
Ermakov, O.N. *see* Vavilov, V.S. 9—52027
Ermakov, S.V. *see* Petukhov, V.P. 9—59394
Ermakov, V.I., Strunina, A.G., Barzykin, V.V. Effect of heat losses on the processes of the ignition of gasless systems by a combustion wave 9—100371
Ermakov, V.V., Kalitkin, N.N. Electron transport in a dense non-degenerate plasma 9—98865
Ermakova, T.G. *see* Afanas'ev, N.V. 9—65794
Erman, P. *see* Carlson, T.A. 9—89809
Ermanovics, I.F. *see* Fyson, W.K. 9—57922
Ermanovics, I.F. *see* Park, R.G. 9—62497
Ermert, H., Karg, R. Multifrequency acoustical holography 9—81644
Ermilin, N.R., Kapustin, V.D., Likhachev, Yu.I., Popov, V.V., Chikinev, N.M. Conditions for the failure of the cladding material for the fuel elements of a fast power reactor when deformed by a rigid loading scheme 9—91765
Ermilov, A.N., Kurbatov, A.M. Approximation of Hamiltonians with Bose-Fermi and Fermi-Fermi cross interactions 9—85062
Ermilova, D.I. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Ermilova, V.K. *see* Asoskov, V.S. 9—60102
Ermilova, V.K. *see* Chechin, V.A. 9—63397
Ermishkin, V.A. *see* Ivanova, V.S. 9—57164
Ermokhin, F.K., Chetyrbok, S.F., Kulik, A.B., Vydrin, V.N., Smolin, A.P., Krainov, V.I. Three-cam plastometer 9—87792
Ermolaev, A.K. *see* Konovalov, S.F. 9—71423
Ermolaev, I.K. *see* Vinogradov, Yu.A. 9—81922
Ermolaev, M.I. *see* Petlitsa, A.P. 9—76074
Ermolaev, V.K. *see* Afanas'ev, M.L. 9—69287
Ermolaev, V.L., Gruzdev, V.P., Tachin, V.S. New luminescence methods in research on progress in coordination chemistry 9—54880

Ermolaeva, E.O., Zakharov, L.N., Romanyuk, B.I. Low-frequency calibration of particle-velocity hydrophones in a liquid layer 9—94443

Ermolenko, A.S., Korolev, A.V., Rozhda, A.F. Magnetic reversal processes in ferromagnets having narrow domain boundaries 9—87287

Ermolenko, A.S., Shcherbakova, E.V. Magnetic properties of quasi-binary rare-earth compounds $Sm_{1-x}R_xCo_5$ (R=Y, La, Ce, Nd) 9—99728

Ermolenko, G.I. *see* Belyi, M.U. 9—56848, 9—99863

Ermolov, I.N., Razygraev, N.P., Sherbinskii, V.G. Study of shaping process for acoustic field of a head-type wave in a test medium 9—96269

Ermolov, I.N., Zaborovskii, O.R. Experimental methods for the isolation of multiple-scattering structural noise 9—52571

Ermolov, I.N. *see* Lapin, Yu.V. 9—96276

Ermolov, I.N. *see* Staseev, V.G. 9—66240

Ermolov, P. *see* Ammosov, V. 9—71737

Ermolov, P.F., Mukhin, A.I. Neutrino experiments at high energies 9—49511

Ermolov, P.F. *see* Berge, J.P. 9—71741

Ermolov, P.F. *see* Efremenko, V.I. 9—75763

Ermolova, M.I. *see* Barasheva, T.V. 9—51312

Ermolovich, I.B. *see* Bobyl', A.V. 9—95828

Erneux, T. *see* Hiernaux, J. 9—96498

Erniyazov, Kh. *see* Berger, L.I. 9—95430

Ernst, D.E.W. *see* Seibold, H.W. 9—100677

Ernst, D.J. Off-shell behavior of the pion-nucleon elastic amplitude 9—85327

Ernst, D.J., McLeod, R.J. Separable approximations to short range interactions 9—85284

Ernst, D.J. *see* McLeod, R.J. 9—85331

Ernst, E.A. *see* Takatani, S. 9—79624

Ernst, F.J. *see* Hauser, I. 9—75427, 9—97267

Ernst, G.K. *see* Pollock, C.R. 9—75618

Ernst, H., Hagn, E., Schneider, U., Zech, E. Experimental confirmation of the anomalous $I^{\pi}K=5^{+}1$ ground-state configuration of ^{186}Ir 9—93506

Ernst, H., Hagn, E., Zech, E. The electric field gradient at ^{175}Hf nuclei aligned in a Lu single crystal at low temperatures 9—82884

Ernst, H., Hagn, E., Zech, E., Eska, G. Nuclear quadrupole alignment of $^{176}Lu^{m}$ and ^{177}Lu in a lutetium single crystal at low temperatures and systematics of electric field gradients in pure hexagonal transition metals 9—78565

Ernst, H. *see* Hagn, E. 9—89235

Ernst, L. On the field penetration into semiconductors in the field ion microscope 9—87567

Ernst, M.H., Cichocki, B., Dorfman, J.R., van Beijeren, H., Sharma, J. Kinetic theory of nonlinear viscous flow in two and three dimensions 9—50694

Ernst, N., Bozdech, G., Block, J.H. Field appearance spectroscopy: investigations on ion generating processes at field emitter surfaces 9—52086

Ernst, R.R. *see* Brunner, P. 9—96718

Ernst, R.R. *see* Hohener, A. 9—99073

Ernst, R.R. *see* Muller, L. 9—97412

Ernst, S., Glinski, J. The effect of electrolytes on the shear and compressional viscous processes in associated liquids. II. Structural relaxation in solutions of NaBr in hexantriol-1.2.6 9—94686

Ernst, S., Glinski, J. Shear relaxation in solutions of NaBr in hexantriol-1.2.6 9—94687

Ernst, S., Glinski, J., Jezowska-Trzebiatowska, B. Dependence of the ultrasound velocity on association of liquids 9—60436

Ernst, S., Wacinski, M. The effect of electrolytes on the shear and compressional viscous processes in associated liquids. I. Shear relaxation in solutions of KCl and NaBr in glycerol 9—60537

Ernst, W., Kemp, C.M. Reversal of photoreceptor bleaching and adaptation by microsecond flashes 9—79542

Ernst, W.E., Tittel, F.K. A new electron-beam pumped XeF laser at 486 nm 9—89892

Ernst, W.E., Tittel, F.K., Wilson, W.L. Gain conditions for electron-beam-excited Ar-N_2 laser lines at 337.1, 357.7, and 380.5 nm 9—86166

Ernst, W.E. *see* Pollock, C.R. 9—75618

Ernstberger, R. *see* Koch, L. 9—85705

Ernsting, N.P., Pfab, J., Romelt, J. Geometry changes accompanying electronic excitation of nitrosomethane in the 650 nm region 9—72329

Ero, J. *see* Albrecht, D. 9—75985

Erofeev, A.I. Modeling molecular interactions in Monte-Carlo-method solution of Boltzmann equation 9—68754

Erofeev, R.S. *see* Dmitrieva, A.K. 9—51569

Erofeev, R.S. *see* Gaidukova, V.S. 9—52178

Erofeev, V.N. *see* Borodin, V.A. 9—61513

Erofeev, V.S. *see* Grishin, S.D. 9—71561

Erokhin, A.I., Morachevskii, N.V., Faizullov, F.S., Shmelev, A.K. Stimulated Mandel'shtam-Brillouin scattering in a magnetic field 9—76762

Erokhin, E.V., Prikhod'ko, A.Ya., Spiridonov, V.P., Kiselev, Yu.M. Molecular structure of NbO_2 in the vapor phase: high-temperature electron diffraction study 9—68330

Erokhin, G.A., Kocherzhevskii, V.G. Solvability of certain inverse diffraction problems 9—64159

Erokhin, N.S., Moiseev, S.S., Novikov, V.E. Wave self-focusing in a nonlinear inhomogeneous medium 9—64293

Erokhin, N.S. *see* Gushchin, V.V. 9—77380

Erokhin, V.N. *see* Dudinov, V.N. 9—96925

Erokhin, V.V. *see* Es'kova, N.F. 9—61776

Eron'ko, S.B., Zhurkov, S.N., Chmel', A. Kinetics of accumulation of damage in transparent insulators subjected to repeated laser irradiation 9—99991

Eron'ko, S.V., Kuksenko, K.N., Chmel', A. Effect of optical radiation on surface glasses as revealed by their IR spectra 9—95250

Eron'yan, M.A. *see* Neshpor, V.S. 9—87715

Eroshenko, E.A. *see* Belov, A.V. 9—80135

Eroshenko, V.M. *see* Ermakov, A.L. 9—64645

Erozolimskii, B.G., Frank, A.I., Mostovoi, Yu.A., Arzumanov, A.S., Voitski, L.R. Measurement of the spin-electron correlation coefficient in the decay of polarized neutrons and the determination of the G_A/G_v ratio 9—97625

Erradonea, G. *see* Fousek, J. 9—95731

Erriquez, O. *see* Armenise, N. 9—67533, 9—67536, 9—93397, 9—93398

Erriquez, O. *see* Bonetti, S. 9—49509

Ershov, A.I. *see* Khotin, L.M. 9—59991

Ershov, A.T. *see* Gurvich, A.S. 9—88406

Ershov, A.Yu. *see* Vagin, L.N. 9—81395

Ershov, G.S., Kasatkin, A.A. Influence of alloying metals on hydrogen diffusion in liquid metal 9—69270

Ershov, N.N., Nikitinskaya, T.I., Reiterov, V.M., Rodnyi, P.A., Trofimova, L.M., Yurkov, S.I. Special features of the X-ray luminescence of CaF_2-Eu 9—99933

Ershov, O.S. Method of measuring electrical conductivity of alkali metal glasses 9—66250

Ershov, V.M. *see* Chernyi, Yu.F. 9—96053

Ershov, V.P. *see* Belushkina, A.A. 9—63324

Ershova, G.F., Churaev, I.V. IR spectra of the absorption of water in a thin layer between quartz plates 9—56773

Ershova, Z.V. *see* Vasil'ev, V.G. 9—71874

Ershtadt, S.G. *see* Gagen-Torn, V.A. 9—101205

Erskine, J.R. Nuclear track emulsions 9—72191

Erskine, J.R. *see* Fulbright, H.W. 9—68163

Ersoy, O. Virtual holography: a method of source and channel encoding and decoding of information 9—94185

Ersson, N.O. Powder diffraction line profiles in Guinier-type focusing cameras 9—58856

Ersson, N.O. *see* Hagg, G. 9—50942

Ertanova, O.N., Lepeshinskii, I.A. Holographic method for measurement of liquid film size at a nozzle mouth 9—86537

Erten, H.N., Aras, N.K. Charge distribution in the spontaneous fission of ^{252}Cf 9—97735

Ertl, G., Thiele, N. XPS studies with ammonia synthesis catalysts 9—70370

Ertl, G. *see* Christmann, K. 9—65311, 9—77958

Ertl, G. *see* Conrad, H. 9—52060

Ertl, G. *see* Drechsler, M. 9—90862

Ertl, G. *see* Weiss, M. 9—69345

Ertl, U.V.B. The differential sensor, FP212 L100, built with magnetic resistances 9—85155

Ertmer, W., Johann, U., Meisel, G. Laser spectroscopic determination of the ^{50}V quadrupole moment 9—89234

Ertmer, W. *see* Dembczynski, J. 9—72260

Eru, I.I., Peskovatskii, S.A., Poladich, A.V. Current-voltage characteristics of long superconducting microbridges of variable thickness and with a normal bank 9—87204

Erukhimovich, I.Ya. Rayleigh scattering and fluctuation correlations in Markovian polymeric systems 9—65890

Ervanne, I. *see* Boos, E.G. 9—49548

Ervanne, J. *see* Boos, E.G. 9—89203

Ervens, W. Some properties of multifilament Nb_3Sn conductors manufactured by a modified technique 9—56454

Ervin, C.P. *see* McGinnis, L.D. 9—57906

Erwin, A.R. *see* Dris, M. 9—49491

Esaki, L., Chang, L.L. Semiconductor superlattices in high magnetic fields 9—73570

Esaki, L. *see* Bluyssen, H. 9—73430

Esaki, L. *see* Chang, L.L. 9—95939

Esayan, S.Kh., Laikhtman, B.D., Lemanov, V.V., Mamatkulov, N. Nonlinear elastic properties of terbium molybdate crystals near their phase transition 9—73244

Esayan, S.Kh. *see* Agishev, B.A. 9—73257

Esayan, S.Kh. *see* Bryzhina, M.F. 9—65142

Esbensen, H. *see* Broglia, R.A. 9—63695

Esbensen, T.V., Strabo, F. Design of a low-energy house in Denmark heated by a combination of solar and wind energy 9—57411

Escaig, B. *see* Bonneville, J. 9—95022

Escaig, B. *see* Vanderschaeve, G. 9—79027

Escala, A. *see* Stein, R.S. 9—69026

Escamilla, H.M. *see* Chandley, P.J. 9—59636

Escanye, J.M. *see* Robert, J. 9—100694

Escartin, V.F., Martinez Martinez, P.A., Poblan Santamaria, T. An operational definition of the special transformations in certain retinas relative to their transference properties for spacial frequencies 9—62247

Esche, B.A., Kutina, R.E., Lang, N.C., Polanyi, J.C., Rulis, A.M. Energy transfer as a function of collision energy. II 9—86043

Escher, C. On chemical reaction systems with exactly evaluable limit cycle oscillations 9—66262

Escher, W.J.D. *see* Johnson, D.G. 9—52958

Eschstruth, P. *see* Courau, A. 9—67529

Escobar, M.E. *see* Baran, E.J. 9—78671

Escorne, M., Mauger, A. A magneto-optics cryostat with balanced thermal dilations 9—63203

Escorne, M., Mauger, A. Transport properties of $Sn_{1-x}Mn_xTe$ at low magnetic field 9—99569

Escoubes, B. *see* Armenise, N. 9—67533

Escoubes, B. *see* Morfin, J.G. 9—71740

Escovitz, W.H., Fox, T.R., Levi-Setti, R. Recombination yield of H_2^+ emergent from ultra thin carbon films below the Bohr velocity 9—50108

Escribe, C. *see* Bouillot, J. 9—69213

Escudie, J.L. *see* Bauer, T.S. 9—54394

Escudie, J.L. *see* Tarrats, A. 9—93632

Escudy, J.L. *see* Alkhazov, G.D. 9—75883

Esdaile, J.D., Siviour, N.G. A high shear technique for liquidus boundary measurements 9—61564

Eselson, B.N., Dyumin, N.E., Ivantsov, V.G., Shcherbachenko, R.I. New phenomena related to propagation of wave processes in He-II flow 9—51330

Eselson, B.N., Mikheev, V.A., Grigoriev, V.N., Mikhin, N.P. Quantum diffusion in solid helium, detection and investigation of impuriton-phonon mechanism of scattering 9—56029

Eselson, B.N., Rybalko, A.S., Kovdrya, Yu.Z., Golub, A.A., Sokolov, S.S. On mobility of surface electrons in liquid helium at temperatures up to 20 mK 9—55985

Esel'son, B.N. *see* Sobolev, V.I. 9—90841

Eselun, S.A. *see* Wolff, E.G. 9—58779

Esepkina, N.A. *see* Akensov, E.T. 9—90043

Esepkina, N.A. *see* Aksenov, E.T. 9—90029

Esfandiari, M.R., Fink, H.J. Metastable superconductivity: magnetic field transverse to a thin cylinder and field dependent penetration 9—60961

Eshchenko, L.S., Pechkovskii, V.V., Stanovaya, L.S. Thermal dehydration of gallium orthophosphate 9—79234

Esherick, P. *see* Armstrong, J.A. 9—54795

Eshleman, L.R. *see* Ting-Ho Lo 9—49030

Eshleman, V.R., Tyler, G.L., Freeman, W.T. Deep radio occultations and 'evolute flashes'; their characteristics and utility for planetary studies 9—53731

Esho, S. Perpendicular magnetic anisotropy in sputtered GdCo films 9—56576

Esho, S. *see* Gokan, H. 9—74271

Eshpulatov, B.E. *see* Korovin, L.I. 9—99858

Esimont, N.A. *see* Kuznetsov, A.V. 9—80371

Esin, V.O., Krivonosova, A.S. Preferred growth directions and perfection of single crystals of germanium 9—77537

Esipov, V.F., Popov, V.N., Khachikyan, E.E. Spectrophotometric investigation of the Seyfert galaxy Markaryan 348 9—88735

Esipov, V.F. *see* Arkhipova, V.P. 9—58426, 9—80358

Esipov, V.F. *see* Sharov, A.S. 9—62879

Eska, G. *see* Andres, K. 9—63216

Eska, G. *see* Ernst, H. 9—78565

Eske, A.T., Razi Naqvi, K. Viscosity dependence of the fluorescence lifetimes of cryptocyanine, pinacyanol and DDI 9—59497

Eskilsson, C. *see* Werlefors, T. 9—87807

Eskin, L.D. On special functions in the theory of rotational diffusion 9—72471

Eskin, L.D. Kinetics of birefringence in solutions 9—99847

Eskin, V.A., Sidorov, N.K. Concentration dependence of Raman line intensity in low-concentration solutions 9—56786

Eskola, K. *see* Honkanen, J. 9—49607

Es'kova, N.F., Mizonov, V.M., Koval', V.M., Erokhin, V.V., Golubenko, G.S., Us, N.N. Effect of high temperatures on the characteristics of glass-ceramic coatings 9—61776

Eslami, H., de Franceschi, J., Gambino, M., Bros, J.P. An electromotive-force study of the activity of aluminium in Al-Ga, Al-Ge and Al-Ga-Ge systems 9—83175

Eslami, H., Muggianu, Y.M., Gambino, M., Bros, J.P. Enthalpies of formation of liquid aluminium-germanium, gallium-germanium, and aluminium-gallium-germanium alloys between 713 and 1230K 9—66336

Esling, C., Wagner, F., Baro, R., Englander, M. Textures of iron oxides and topotactical relationships 9—83229

Esmail, M.N., Hummel, R.L., Smith, J.W. Note on experimental velocity profiles in laminar flow around spheres at intermediate Reynolds numbers 9—50698

Esmail, T.M. *see* Nalluri, C. 9—68875

Esmen, N.A., Ziegler, P., Whitfield, R. The adhesion of particles upon impaction 9—52784

Espaneshnikova, I.K., Korzo, V.F. Structure and composition of thin films of Cu-Al_2O_3 cermets 9—99437

Espefalt, R., Blomberg, P.E., Lorenzen, J., Akerhielm, F. Noise measurements for plant surveillance and anomaly detection in nuclear power stations 9−97853

Esper, F.J., Friese, K.H. Electrical puncture strength of alumina bodies at high temperatures 9−70175

Esper, F.J., Wiedenmann, H.-M. Thermal shock resistance of ceramics determined by acoustic emission analysis 9−70233

Esplin, R.W. *see* Vanasse, G.A. 9−97443, 9−97445

Esposito, B., Marini, A., Pallotta, M., Piano-Mortari, G., Ronga, F., Sechi-Zorn, B., Zorn, G.T., Nigro, M., Pescara, L., Bernabei, R., D'Angelo, S., Monacelli, P., Moricca, M., Paoluzi, L., Santonico, R., Sebastiani, F. Multihadron production in e^+e^- annihilation at (1.45÷1.61) GeV c.m. energy 9−63489

Esposito, F. *see* Coppi, B. 9−98936

Esposito, J.J. Evanescent wave coupling in fiber optic connectors: an observation 9−72668

Esposito, J.J. Epoxyless fiber optic connector concepts for single-fiber cables 9−86253

Esposito, L.W. Extensions to the classical calculation of the effect of mutual shadowing in diffuse reflection 9−84666

Esposito, L.W., Winick, J.R., Stewart, A.I. Sulfur dioxide in the Venus atmosphere distribution and implications 9−101100

Esposito, U. *see* Campana, L.S. 9−80502

Esposto, F. *see* Costa, B. 9−50440, 9−98478

Espy, P.N. Solar thermal collectors using planar reflector 9−62071

Esquerra, J.V. *see* Kieffer, S.A. 9−92361

Esquivel, D.M.S., de Giambiagi, M.S., Giambiagi, M., Makler, S. Graphical estimative of diamagnetic anisotropy in some conjugated systems 9−76360

Esquivel, D.M.S., Guenzburger, D., Danon, J. Electronic configuration and nuclear quadrupole interaction in higher transition elements 9−60777

Esquivel, O. *see* Copley, S.M. 9−69919

Essam, J.W. Potts models, percolation, and duality 9−97312

Essam, J.W., Place, C.M. Low density expansion of the pair connectedness for percolation models 9−67234

Essel, H., Rehm, K.E., Bohn, H., Korner, H.J., Spieler, H. Inelastic scattering of ^{18}O and ^{17}O ions from medium-weight nuclei 9−67705

Essel, H. *see* Rehm, K.E. 9−97725

Essel, H. *see* Sperr, P. 9−67775

Essel, H. *see* Zierl, R. 9−63701

Essel'bakh, P.B. *see* Lakoba, I.S. 9−82119

Esselman, W.H. Electrical energy in the long run 9−52863

Essen, D.C.Van *see* Van Essen, D.C.

Essen, R.M.Van *see* Van Essen, R.M.

Essene, E.J. *see* Westrum, E.F., Jr. 9−60517

Essenwanger, O.M. *see* Stewart, D.A. 9−79946

Esser, B., Sprenger, D. On the theory of absorption and luminescence spectra in amorphous semiconductors 9−99938

Esser, B. *see* Doan Nhat Quang 9−90982

Essers, J.A. Quasi-natural numerical methods for the computation of inviscid potential or rotational transonic flows 9−64666

Essex, E.A. *see* Cornelius, D.W. 9−66867, 9−70918

Essington, E.H. *see* Fowler, E.B. 9−96488

Essmann, U. *see* Kiessig, H. 9−78260

Estabrook, F.B. *see* Armstrong, J.W. 9−70995

Estabrook, F.B. *see* Boggess, A. 9−71149

Estabrooks, P. Where and what are the scalar mesons? 9−71711

Estavoyer, M. *see* Ravier, J. 9−97878

Esteban, D.J., Galand, C., Mauduit, D., Menez, J. A 4800 BPS voice excited predictive coder (VEPC) based on improved baseband/sub-band filters 9−64448

Esteban, D.J. *see* Menez, J. 9−64449

Estenssoro, L.F. *see* Bazant, Z.P. 9−50656

Estep, T.N., Thompson, T.E. Energy transfer in lipid bilayers 9−62200

Esterowitz, L., Bartoli, F.J., Allen, R.E., Wortman, D.E., Morrison, C.A., Leavitt, R.P. Energy levels and line intensities of Pr^{3+} in $LiYF_4$ 9−95836

Esteva, J.M. *see* Fontaine, A. 9−99981

Esteva, L., Bazan, E. Seismicity and seismic risk related to subduction zones 9−88294

Esteve, J., Nicolas, P., Nigon, V. Fitting survival curves with theoretical models; goodness-of-fit tests and parameter estimation. Application to the clonal survival of Chlorella and the chloroplastic survival of Euglena gracilis after irradiation 9−79606

Esteves, V.A.P. *see* Saxena, R.N. 9−80897

Estill, R.E., Odegard, M.E. Velocity structure of the southeastern Hawaiian ridge determined by Tau Inversion 9−62467

Estle, T.L. *see* Shen, L.N. 9−82564, 9−82862

Estler, R.C. *see* Kiang, T. 9−86081

Eston, S.M. *see* Hamza, V.M. 9−74487

Estrada-Vazquez, H., Webster, R.T., Das, P. Transverse-acoustoelectric-voltage (TAV) spectroscopy of high-resistivity GaAs 9−99586

Estrada-Vazquez, H. *see* Webster, R.T. 9−87131

Estrela-Lopez, V.R. *see* Ul'berg, Z.R. 9−56938

Estrin, E.I. *see* Blank, V.D. 9−74147

Estrup, P.J. Surface characterization by low energy electron diffraction 9−68986

Estrup, P.J. Chemisorption and phase changes on W(100) and Mo(100) 9−77911

Estulin, I.V. *see* Kuznetsov, A.V. 9−80371

Eswaran, M.A., Gove, H.E., Cook, R., Sikora, B. The α-transfer reactions $^{27}Al(^6Li,d)^{31}P$, $^{29}Si(^6Li,d)^{33}S$ and $^{31}P(^6Li,d)^{35}Cl$ at 36 MeV 9−89321

Etcheto, J. *see* Harvey, C.C. 9−58210

Ethiraj, R. *see* Kumar, G.S. 9−99849

Ethridge, E.C., Clark, D.E., Hench, L.L. Effects of glass surface area to solution volume ratio on glass corrosion 9−96167

Etienne, S., Perez, J. Observation of the structural relaxation effect in bulk amorphous selenium through mechanical properties measurements 9−51201

Etievant, C., Pharabod, F. Solar power stations: current projects 9−100490

Etievant, C. *see* Claverie, M. 9−100491

Etim, E. Stochastic quantization and the nonrelativistic Markoff field 9−67181

Etin, G.I. *see* Aref'ev, K.P. 9−51530

Etling, D. *see* Wippermann, F.K. 9−66757

Etlinger, B. Dielectric properties of $Al_2In_{12}S_{21}$ 9−82909

Etlinger, B. *see* Desnica, D. 9−56922

Etlinger, B. *see* Popovic, S. 9−55710

Eto, F. *see* Sako, K. 9−76126

Eto, K. *see* Kashima, T. 9−70096

Eto, T., Nachi, M. Study of GP zones in Al-Cu alloys by stress aging 9−100152

Eto, T. *see* Takeda, T. 9−70732

Etourneau, J. *see* Berrada, A. 9−69950

Etourneau, J. *see* Bressel, B. 9−95920

Etourneau, J. *see* Chevalier, B. 9−78104

Etsin, I.Sh. *see* Lyubimov, V.V. 9−63300

Etsin, I.Sh. *see* Pavlov, B.A. 9−97354

Etsin, I.Sh. *see* Siraya, T.N. 9−54180

Etsina, A.L. A method of measuring the fractional part of an order in a stable Fabry-Perot etalon 9−67379

Etsina, A.L. *see* Siraya, T.N. 9−54180

Etsina, A.L. *see* Volkova, E.A. 9−95722

Ettenberg, M. A statistical study of the reliability of oxide-defined stripe CW lasers of (AlGa)As 9−76687

Ettenberg, M., Lockwood, H.F. Low-threshold-current CW injection lasers 9−59712

Ettenberg, M., Nuese, C.J., Kressel, H. The temperature dependence of threshold current for double-heterojunction lasers 9−81431

Ettenberg, M. *see* Olsen, G.H. 9−50308, 9−98385

Etter, D.M., Stearns, S.D. An adaptive noise canceller with applications to seismic noise 9−74994

Etters, R.D., Danilowicz, R. Dilute atomic H impurities in solid H_2 9−60601

Etters, R.D. *see* Danilowicz, R. 9−77769

Etters, R.D. *see* Danilowicz, R.L. 9−69316

Ettienne, E.M. *see* Ripamonti, A. 9−74607

Ettinger, H. *see* Cheeke, D. 9−86941

Ettwig, H.H. *see* Bendick, W. 9−56559

Etzkorn, H.W. *see* Kirschner, J. 9−91550

Eu, B.C. Kinetic theory of dense fluids. I 9−54032

Eu, B.C. Kinetic theory of dense fluids. II. The generalized Chapman-Enskog solution 9−54033

Eu Byung Chan *see* Byung Chan Eu

Eubank, H., Goldston, R., Arunasalam, V., Bitter, M., Bol, K., Boyd, D., Bretz, N., Bussac, J.-P., Cohen, S., Colestock, P., Davis, S., Dimock, D., Dylla, H., Efthimion, P., Grisham, L., Hawryluk, R., Hill, K., Hinnov, E., Hosea, J., Hsuan, H., Johnson, D., Martin, G., Medley, S., Meservey, E., Sauthoff, N., Schilling, G., Schivell, J., Schmidt, G., Stauffer, F., Stewart, L., Stodiek, W., Stooksberry, R., Strachan, J., Suckewer, S., Takahasi, H., Tait, G., Ulrickson, M., von Goeler, S., Yamada, M., Tsai, C., Stirling, W., Dagenhart, W., Gardner, W., Menon, M., Haselton, H. Neutral-beam-heating results from the Princeton Large Torus 9−82074

Eubank, H. *see* Strachan, J.D. 9−68954

Eubank, H.P. *see* Murakami, M. 9−71948

Eubank, H.P. *see* Suckewer, S. 9−77400

Eubank, P.T. *see* Walton, C.W. 9−51271

Eubig, C., Groves, B.M., Davey, G. Adjustable lead glass shielding device for use with an over-the-table X-ray tube 9−92397

Euev, V.A. Photoluminescence of layer structures induced by a laser 9−95830

Eujen, E. *see* Narjes, L. 9−72979

Eujen, R. The vibrational spectra and normal coordinate analysis of CF_3HgCH_3 and CF_3HgCD_3 9−50017

Eujen, R., Burger, H. Vibrational spectra and normal coordinate analysis of CF_3-containing compounds. XXII. $(CF_3)_4Ge$ and $(CF_3)_6Ge_2$ 9−72315

Eujen, R., Burger, H. Vibrational spectra and normal coordinate analysis of CF_3-containing compounds. XXIII. The compounds $(CF_3)_3GeX$ (X=F,Cl,Br,I) 9−72316

Eukuda, H. *see* Yoshimori, A. 9−65632

Euler, F. *see* Lipson, H.G. 9−56825

Euler, K. *see* Agena, M. 9−54675

Euler, K. *see* Eversheim, P.D. 9−54705

Euler, K.-J. Batteries and fuel cells. II 9−57421

Euler, K.-J. Resistance and water content of battery grade manganese dioxides 9−96431

Euler, K.-J., Finis, R., Siebert, K., Wolfel, M. The electric conductivity of copper powder under pressure 9−69485

Euler, K.-J., Herger, P. The electric conductivity of inhomogeneous mixtures 9−51538

Euler, K.-J., Mueller-Helsa, H. Electrical characteristics of a highly hydrated battery grade manganese dioxide powder 9−100501

Eun, H. *see* Gross, S.H. 9−58140

Eung Ha Cho, Dixon, S.N., Pitt, C.H. The kinetics of gold cyanide adsorption on activated charcoal 9−82457

Eung Ha Cho, Pitt, C.H. The adsorption of silver cyanide an activated charcoal 9−82455

Euringer, H. *see* Krug, W. 9−67924

Eustathopoulos, N. *see* Passerone, A. 9−74132

Euston, C.B., Baker, D.R. Trace analysis of water pollutants by automated HPLC 9−96384

Euteneuer, H. *see* Herminghaus, H. 9−76217

Euthymiou, P.C. *see* Eftaxias, C.A. 9−56265

Euthymiou, P.C. *see* Polychronakis, K.S. 9−99563

Euve, F. *see* Auphelle, D. 9−89889

Evan, M.L. *see* Jain, M. 9−53572

Evangelista, C., Ghidini, B., Palano, A., Picciarelli, V., Zito, G., Broring, J., Mattig, P., Muller, K., Paul, E., Ruhmer, W., French, B.R., Mitaroff, W.A., Palazzi-Cerrina, C., Strub, R., Thompson, A., Edwards, M., Armstrong, T., Gordon, J., Hughes, I.S., Lewis, G.M., McCluskey, R.M., Turnbull, R.M., Best, C., Donald, R.A., Edwards, D.N., Houlden, M.A., Costa, G., Mandelli, L., Pensotti, S., Perini, L., Lambacher, H.D. Analysis of the reaction $\pi^- p \rightarrow \bar{p}pn$ at 10 and 16 GeV/c 9−75788

Evangelista, C., Ghidini, B., Palano, A., Picciarelli, V., Zito, G., Mattig, P., Muller, K., Paul, E., Renneberg, W., Ruhmer, W., French, B.R., Miller, D.H., Mitaroff, W.A., Palazzi-Cerrina, C., Strub, R., Thompson, A.S., Edwards, M., Armstrong, T., Gordon, J., Hughes, I.S., Lewis, G.M., McCluskey, R., Turnbull, R.M., Best, C., Donald, R.A., Edwards, D.N., Houlden, M.A., Costa, G., Mandelli, L., Pensotti, S., Perini, L., Lambacher, H.D. Observation in the K^+K^- system of a new structure at 2.20 GeV 9−80843

Evangelista, C. *see* Armstrong, T.A. 9−85344

Evangelista, E. *see* Bonetti, E. 9−91727

Evangelisti, A. *see* Cappellini, V. 9−96670

Evangelisti, F. *see* Yu, P.Y. 9−73960

Evans, A.E. *see* DeVolpi, A. 9−49776

Evans, A.E., Jr., Orndoff, J.D., Talbert, W.L., Jr. Evaluation of hodoscopes for fuel-motion measurement in multipin bundles 9−93780

Evans, A.G., Biswas, D.R., Fulrath, R.M. Some effects of cavities on the fracture of ceramics. I. Cylindrical cavities 9−66144

Evans, A.G., Biswas, D.R., Fulrath, R.M. Some effects of cavities on the fracture of ceramics. II. Spherical cavities 9−66145

Evans, A.G. *see* Lange, F.F. 9−61738

Evans, A.G. *see* Porter, D.L. 9−91775

Evans, B.L. *see* Murray, R. 9−61395, 9−65222

Evans, C.A., Jr., Blattner, R.J. Modern experimental methods for surface and thin-film chemical analysis 9−66393

Evans, C.A., Jr. *see* Blattner, R.J. 9−91557

Evans, C.A., Jr. *see* Chelgren, J.E. 9−83073

Evans, C.A., Jr. *see* Gibbons, J.F. 9−73182, 9−90555

Evans, C.A., Jr. *see* Tsai, M.Y. 9−55763, 9−69152, 9−70374

Evans, D., Klebesadel, R., Baros, J., Cline, T., Desai, U., Teegarden, B., Pizzichini, G. γ burst 79-03-05 9−58441

Evans, D. *see* Warne, L. 9−68353

Evans, D.J. The nonsymmetric pressure tensor in polyatomic fluids 9−75350

Evans, D.J. The frequency dependent shear viscosity of methane 9−77798

Evans, D.J. *see* Murad, S. 9−50976

Evans, D.K., McAlpine, D., McClusky, F.K. Laser isotope separation and the multiphoton decomposition of formaldehyde using a focused DF laser: the effect of single- or milti-line irradiation 9−94094

Evans, D.K. *see* McAlpine, R.D. 9−66306

Evans, D.R. Advances in the sherardising process [for zinc] 9−78998

Evans, D.S. *see* Lyons, L.R. 9−53606

Evans, D.V. *see* Srokosz, M.A. 9−52874

Evans, E.A. *see* Hochmuth, R.M. 9−57683

Evans, E.A. *see* Waugh, R. 9−57684

Evans, E.H. *see* Morris, M.C. 9−60223

Evans, G.A. A numerical differentiator 9−81147

Evans, G.J., Evans, M.W., Coffey, W.T. Itinerant oscillator model. Evaluation using experimental results for the disordered solid 1,2,3-trichlorotrimethyl benzene 9—73278
Evans, G.J. *see* Coffey, W.T. 9—90509
Evans, G.J. *see* Evans, M.W. 9—99876
Evans, G.J. *see* Reid, C. 9—73940
Evans, G.J. *see* Reid, C.J. 9—73087
Evans, G.T. Torsion angle dynamics in three bond chains 9—55624
Evans, G.T. Depolarized light scattering from dilute polymer solutions 9—99892
Evans, G.T., Knauss, D.C. Liquid state rotational dynamics of nonrigid molecules. III. Four, five, and six bond chains 9—99054
Evans, H.C. *see* Sinha, K.N. 9—71859
Evans, H.E., Bowser, W.M., Weinberg, W.H. The adsorption of ethanol on silver clusters supported on alumina 9—90884
Evans, H.E., Hilton, D.A. Structure and properties of nitrided stainless steel fuel cladding for use in advanced gas cooled reactors 9—54496
Evans, H.E., Weinberg, W.H. The reaction of ethanol with an aluminium oxide surface studied by inelastic electron tunneling spectroscopy 9—100435
Evans, J., Harris, I.R., Guzei, L.S. An investigation of some palladium-titanium and some palladium-titanium-hydrogen alloys 9—77557
Evans, J.A. *see* Elliott, J.P. 9—85403
Evans, J.C. *see* Davis, R., Jr. 9—80286
Evans, J.H. Radiation-induced shrinkage of voids in molybdenum and TZM 9—51158
Evans, J.R.G., Packham, D.E. Adhesion of polyethylene to copper: importance of substrate topography 9—74340
Evans, J.S. *see* Sislian, J.P. 9—81992
Evans, J.T. Reverse shear on inclined planes at the tip of a sharp crack 9—77023
Evans, J.T. *see* Bennett, P.S.G. 9—74213
Evans, J.V., Oliver, W.L., Jr., Salah, J.E. Thermospheric properties as deduced from incoherent scatter measurements 9—53597
Evans, J.W. *see* Sabacky, B.J. 9—100062, 9—100063
Evans, K. *see* Stacey, W.M., Jr. 9—71967
Evans, L. *see* Boussard, D. 9—72094
Evans, L.C., Friedman, A. Regularity and asymptotic behavior of two immiscible fluids in a one-dimensional porous medium 9—72936
Evans, L.E. *see* Hastings, I.J. 9—78913
Evans, L.G. *see* Johnson, R.G. 9—53728
Evans, M.E. *see* Lerbekmo, J.F. 9—57888
Evans, M.E. *see* Westgate, J.A. 9—57897
Evans, M.L. *see* Baker, M.P. 9—53570
Evans, M.W., Coffey, W.T., Pryce, J.D. The effect of dipole-dipole interaction of zero-THz frequency polarisation 9—59525
Evans, M.W., Evans, G.J., Yarwood, J., James, P.L., Arndt, R. Studies of molecular motions and vibrational relaxation in acetonitrile. IV. Far-infrared and molecular dynamics in carbon tetrachloride solution 9—99876
Evans, M.W. *see* Coffey, W.T. 9—90509
Evans, M.W. *see* Evans, G.J. 9—73278
Evans, M.W. *see* Reid, C. 9—73940
Evans, M.W. *see* Reid, C.J. 9—73087
Evans, P. *see* Calverd, A.M. 9—63191
Evans, P.G.T. Surface finishing: control of contamination in electroplating solutions 9—91822
Evans, P.R., Hudson, P.J. Structure and control of phosphofructokinase from Bacillus stearothermophilus 9—70517
Evans, P.R. *see* Banks, R.D. 9—74595
Evans, R. The nature of the liquid-vapour interface and other topics in the statistical mechanics of non-uniform, classical fluids 9—77468
Evans, R. Air photos for soil survey in lowland England: factors affecting the photographic images of bare soils and their relevance to assessing soil moisture content and discrimination of soils by remote sensing 9—88504
Evans, R., Lloyd, P., Mujibur, Rahman, S.M. On the origin of the Hume-Rothery rules for phase stability in α and β brasses 9—99292
Evans, R., Telo da Gama, M.M. Spinodal decomposition in a Lennard-Jones fluid 9—99046
Evans, R. *see* Telo da Gama, M.M. 9—90772
Evans, R.B., Stevens, S. The fatigue properties of solar cell interconnectors 9—96457
Evans, R.G. *see* Key, M.H. 9—68937
Evans, S., Raftery, E. Cu X-ray lines in achromatic Mg X-radiation: a cautionary note 9—75667
Evans, W.A.B., Harris, C.G. Potential dependence of pairing solution for the Bose superfluid 9—55977
Evans, W.A.B. *see* Harris, C.G. 9—51321
Evans, W.D., Gough, W. Anomalous Hanle effect signals in sensitised fluorescence 9—81186
Evans, W.D., Gough, W. Observation of modulation in the transfer of orientation by collisions of the second kind 9—98206
Evans, W.F.J., Asbridge, I.A., Mateer, C.L. Observations of a 'notch' in the stratospheric ozone layer 9—79941
Evans, W.F.J. *see* Cann, M.W.P. 9—62575
Evans, W.H. *see* Fry, J.R. 9—54366
Evans, W.J., Harrison, G.F. Comparison between the sinh and effective stress equations for secondary creep rates 9—52321
Evans, W.J., Harrison, G.F. Validity of friction stress σ_0 measurements for high-temperature creep 9—74219
Evans, W.M. *see* Baker, R.D. 9—89182
Evans, W.M. *see* Brown, R.M. 9—71761
Evarestov, R.A., Lovchikov, V.A. Use of the symmetry-adapted atomic orbitals in the large unit cell approach to solids 9—77974
Evarnitskaya, A.G. *see* Vlasova, N.I. 9—50361
Evdoimov, I.N. *see* Karpuzov, D.S. 9—87549
Evdokimov, A.A. *see* Vasilev, E.V. 9—52020
Evdokimov, A.V. *see* Akopyan, R.A. 9—52510
Evdokimov, I.N., Van Den Berg, J.A., Armour, D.G. Proper surface channelling of low energy argon ions incident on a nickel (110) crystal 9—73233
Evdokimov, S.A. *see* Drobnich, V.G. 9—91504
Evdokimov, T.F., Kraevskii, S.L., Prasolov, A.P., Solinov, V.F., Shishmentseva, E.V. Electrochromic effect in tungsten phosphate glasses 9—95735
Evdokimov, V.M. *see* Arbuzov, Yu.D. 9—56213
Evdokimov, Yu.V. Possibility of making a laser based on the vibrational-rotational transitions of the HD molecule 9—55122
Evdokimova, L.N. *see* Khan'zhin, P.S. 9—70287
Evdokimova, O.I. *see* Goman'kov, V.I. 9—65649
Evdokimova, V.V. *see* Vereshchagin, L.F. 9—73621
Even, U. *see* Amirav, A. 9—98144
Even, U. *see* Cheshnovsky, O. 9—65947
Even, U. *see* Danor, R. 9—61452
Evensen, N.M. *see* Carter, S.R. 9—66693, 9—100821
Evensen, N.M. *see* Hamilton, P.J. 9—62469
Evenson, K.M. *see* Baird, K.M. 9—93104
Evenson, K.M. *see* Henningsen, J.O. 9—93998
Evenson, K.M. *see* Jennings, D.A. 9—64263
Evenson, K.M. *see* Saykally, R.J. 9—89695, 9—98010
Evenson, K.M. *see* Scalabrin, A. 9—94219
Everett, G.E., Streit, P. Single crystal magnetization studies of DySb 9—99698
Everett, G.E., Wild, R.L. Inexpensive time-of-flight velocity measurements 9—58485
Everett, P. *see* Erber, T. 9—80510
Everett, R.L. *see* Ktonas, P.Y. 9—100759
Everev, L.P., Min'kov, G.M., Kruzhaev, V.V. Use of tunnel spectroscopy in a magnetic field to investigate the dispersion law in highly doped n-InAs 9—60923
Everhart, G. *see* Becker, U. 9—59059
Everhart, T.E. *see* Spreadbury, P.J. 9—67351
Everitt, C.W.F. *see* Breakwell, J.V. 9—62426
Evers, J. Transformation of three-connected silicon nets in $CaSi_2$ 9—77744
Evers, K.H. Underwater fuel handling during a refueling 9—67911
Evers, R.C. Low glass transition temperature fluorocarbon ether bibenzoxazole polymers 9—51006
Evers, W. *see* Breaux, H. 9—94303
Eversheim, P.D., Hinterberger, F., von Rossen, P., Schuller, B., Euler, K. Beam stabilization and automatic energy variation at the Bonn isochronous cyclotron 9—54705
Everskaya, I.L., Khersonskii, V.K., Varshalovich, D.A. Kinetic temperature and density of the interstellar medium estimated from molecular line intensities 9—97056
Eversman, W. Acoustic energy in ducts: further observations 9—72737
Eversole, J.D., Djeu, N. Quenching of Ba ($5d^1D$) by N_2, CO, H_2, and D_2 9—85932
Everson, J.H. New developments in deformable surface devices 9—59794
Everson, R.C., Mulay, L.N., Mahajan, P.O., Walker, P.L., Jr. Magnetic and catalytic properties of sintered nickel catalysts for the methanation reaction 9—79296
Everstine, G.C. *see* Lu, Y.P. 9—81794
Everts, H.U. *see* Apel, W. 9—85071
Every, A.G. General, closed-form expressions for acoustic waves in cubic crystals 9—51205
Evetts, J.E. The generation of solutions to the Ginzburg-Landau equations for a distorted vortex lattice 9—56467
Evetts, J.E. *see* Cave, J.R. 9—56464
Eviatar, A. *see* Goldstein, M.L. 9—53755, 9—62788
Evlampiev, A.I., Levina, L.E., Myasnikov, I.A., Tsivenko, V.I. Leak detection with a thin-film semiconductor oxygen sensor 9—52596
Evlampiev, A.I. *see* Sazhin, S.G. 9—52595
Evlanova, N.F., Koptsik, V.A., Rashkovich, L.N. Low-temperature polarization reversal in lithium metaniobate crystals 9—61322
Evora, C. *see* da Silva, E.C. 9—91476
Evrard, M., le Penven, Y., Frezouls, J.V. Study of the determination of the influence of metal spraying parameters on the adhesion of the deposits thus obtained 9—83365
Evrard, P. *see* Allemand, L. 9—81126
Evrard, R. *see* Kartheuser, E. 9—56142
Evseev, A.V., Radtsig, A.A., Smirnov, B.M. Resonant charge exchange of diatomic molecular ions by molecules 9—98218
Evseev, B.A. *see* Aivazov, M.I. 9—91212
Evseev, I.V., Ermachenko, V.M. Photon echo for small-area exciting pulses 9—76766
Evseev, I.V. *see* Bakaev, D.S. 9—59776
Evseev, I.V. *see* Matskevich, V.K. 9—49985
Evseev, V.A. *see* Chetkareva, L.E. 9—71520
Evseev, V.S. *see* Grilikhes, V.A. 9—83618
Evseeva, M.A., Fofanov, G.M., Antropova, T.S., Kitaev, G.A. Contoured anodic photodissolution of semiconductor films. CdS 9—74277
Evstratov, A.A. *see* Kuznetsova, G.N. 9—71543
Evstrop'ev, K.K., Petrovskii, G.T. The phenomenon of anion conductivity of glasses 9—86923
Evsyukov, F.F., Zaraichenko, Yu.N., Medvedev, A.V., Myakishev, V.M., Serdyukov, V.M., Kosivtsov, N.E. Semiautomatic ultrasonic flaw detector for studs 9—66247
Evsyukov, V.N., Berezovskii, L.B., Gergel, P.I. Attenuation of transverse ultrasonic waves in rolled aluminum and aluminum alloy sheet 9—52573
Evterev, L.S. *see* Grigoryan, S.S. 9—88347
Evtikhov, M.G., Balakarei, Yu.I., Nikulin, M.G., Elinson, M.I. Mathematical modeling of dynamic phase memory in self-excited wave media 9—79505
Evtuhov, V. Parametric cost analysis of photovoltaic systems 9—100535
Evtukhov, R.N. *see* Belykh, S.F. 9—74046
Evtushenko, O.V. *see* Bruan, S.M. 9—61797
Evtyukhov, K.N., Kaptsov, L.N. Reduction of the number of longitudinal modes in a CW neodymium garnet laser 9—72576
Ewald, H. *see* Marx, D. 9—76241
Ewald, H. *see* Munzenberg, G. 9—49893
Ewaldt, H. *see* Moller, H.J. 9—82219
Ewan, G.T. The solid ionization chamber 9—68154
Ewan, G.T., Hagberg, E., Hansen, P.G., Jonson, B., Mattsson, S., Nyman, G., Roeckl, E., Schardt, D., Tidemand-Petersson, P., The Isolde Collaboration Ratios of beta-delayed particle branches and the role of the fluctuation function 9—71820
Ewan, G.T. *see* Carraz, L.C. 9—85407
Ewan, G.T. *see* Konijn, J. 9—86085, 9—98251
Ewan, G.T. *see* Schardt, D. 9—93567
Ewan, W.G. Can intrinsic vowel F_0 be explained by source/tract coupling? 9—94410
Ewanizky, T.F. Ray-transfer-matrix approach to unstable resonator analysis 9—50322
Ewanizky, T.F., Bayha, W.T., Rohde, R.S. A double-ended, unstable resonator submillimeter laser 9—81461
Ewart, F.T., Manes, L., Matzke, H., Mari, C.M., Toci, F., Schreiber, R. Oxygen potential measurements on irradiated oxide nuclear fuel 9—49689
Ewart, F.T. *see* Paris, R. 9—85618
Ewart, F.T. *see* Toci, F. 9—96324
Ewbank, W.B., Haese, R.L., Hurley, F.W., McGinnis, M.R., Ramavataram, S. 1978 Recent references (cumulation) [Nuclear data] 9—80862
Ewen, B. *see* Richter, D. 9—51024
Ewen, P.J.S. *see* Hajto, J. 9—73895, 9—95727
Ewen, R.O. *see* Champion, P.A. 9—96475
Ewers, R.O. *see* Ford, D.C. 9—62531
Ewig, R.A.G. *see* Gantt, R. 9—96615
Ewing, J.J., Haas, R.A., Swingle, J.C., George, E.V., Krupke, W.F. Optical pulse compressor systems for laser fusion 9—59757
Ewing, M.S. *see* Readhead, A.C.S. 9—92883
Ewins, J.H. *see* Kaufman, L. 9—53221
Exell, R.H.B. Atmospheric radiation and sky temperatures in a tropical climate: Thailand 9—58084
Exner, H.E., Bross, P. Material transport rate and stress distribution during grain boundary diffusion driven by surface tension 9—61525
Exner, H.E. *see* Bross, P. 9—61526
Eyer, A., Nitsche, R., Zimmermann, H. A double-ellipsoid mirror furnace for zone crystallization experiments in Spacelab 9—78872
Eyfrig, R. *see* Bilitza, D. 9—101020
Eyink, J. *see* Arends, J. 9—75971
Eyler, J.R. Spectroscopic and photochemical studies of gaseous ions using tunable dye lasers 9—52715
Eyler, J.R. *see* Dugan, R.J. 9—71560
Eyler, J.R. *see* Morgenthaler, L.N. 9—94048
Eylon, D. Faceted fracture in beta annealed titanium alloys 9—57102
Eylon, D. Fatigue crack initiation in hot isostatically pressed Ti-6Al-4V castings 9—79078
Eylon, D. *see* Fujishiro, S. 9—66123
Eylon, S. *see* Segalov, Z. 9—89840
Eylong, D. *see* Santner, J.S. 9—100252
Eyman, E.D., Husted, R.F. System design to study dependence of chloride and bicarbonate transport in sodium 9—96529
Eyni, M. *see* Steinitz, R. 9—53698

Eyraud, L., Eyraud, P., Gonnard, P., Traccaz, M. Influence of a double isovalent substitution on the characteristics of lead zirconite-titanate type ceramics 9—51908

Eyraud, L. *see* Perrigot, J. 9—69793

Eyraud, P. *see* Eyraud, L. 9—51908

Eyre, B.L. *see* Wadley, H.N.G. 9—83241

Eyre, D., Gabe, D.R. AC anodizing of aluminium in sulphuric acid 9—96229

Eyrich, W. *see* Schneider, S. 9—89284

Eyring, H. *see* Shao-Mu Ma 9—99316

Eyring, L. *see* Tuenge, R.T. 9—90645

Eyring, L. *see* Gschneidner, K.A., Jr. *(editor)* 9—69384

Eytan, G. *see* Kopeika, N.S. 9—50904

Eyunder, D. *see* Gradov, O.M. 9—68921

Ezaki, T., Irie, F., Klipping, G., Luders, K., Matsushita, T., Ruppert, U. System for coil simulation measurements of losses and instabilities in superconducting wires 9—71487

Ezawa, H. *see* Aoki, H. 9—66216

Ezawa, N., Tanaka, T., Shimizu, S. Characteristics of 3.5 M long heat pipe for solar collector 9—79378

Ezawa, Y. *see* Kawai, E. 9—49546, 9—67565

Ezawa, Z.F. Local field theories for vortex solitons 9—49384

Ezawa, Z.F. Quantum soliton operators for vortices and superselection rules 9—49386

Ezawa, Z.F. A canonical formalism of instantons and vacuum tunnelling in the (1+1)-dimensional Higgs model 9—63348

Ezawa, Z.F. Electric quark confinement in 2+1 dimensions 9—85263

Ezawa, Z.F. Electric quark confinement in 3+1 dimensions 9—97583

Ezekiel, S. *see* Hackel, R.P. 9—76419

Ezerskii, A.B., Rabinovich, M.I., Stepanyants, Yu.A., Shapiro, M.F. Stochastic oscillations of a parametrically excited nonlinear chain 9—55363

Ezhela, V.V. *see* Barinov, N.U. 9—54356

Ezhevskaya, T.B., Sinitsa, S.P. Wavefront distortion in cat's-eye reflectors 9—64303

Ezhov, B.A. *see* Bayukov, Yu.D. 9—49538

Ezhov, B.F. *see* Altarev, I.S. 9—75775

Ezhov, E.M. *see* Demidov, N.A. 9—67326

Ezhov, S.B. *see* Bushueva, I.M. 9—96338

Ezhov, V.F. *see* Altarev, I.S. 9—67551

Ezhov, V.G. *see* Shefer, L.A. 9—66160

Ezra, A.A. Commercialization of ocean thermal energy conversion 9—61957

Ezumi, H. An interferometric study of the shock-reflection process in ionizing krypton 9—55553

Ezura, E., Takeda, S., Kudo, K., Kondoh, M. Longitudinal behavior of the beam in KEK booster 9—76184

Ezura, E. *see* Hirao, Y. 9—72117

Ezura, E. *see* Kondoh, M. 9—68048

Fa-Hsiang Liu *see* Hsou-Tao Yu 9—85051

Fa-wei Li *see* Li Fa-wei

Fabbiano, G., Doxsey, R.E., Johnston, M., Schwartz, D.A., Schwarz, J. HEAO 1 scanning modulation collimator discovery of an extended X-ray source at Cygnus A 9—67109

Fabbiano, G. *see* Schwarz, J. 9—97090

Fabbri, A.G. *see* Agterberg, F.P. 9—62508

Fabbri, F. *see* Longo, G. 9—71852

Fabbri, R. Cosmological constant and isotropy of a low-density Universe 9—101227

Fabbri, R., Melchiorri, F., Mencaraglia, F., Natale, V. The cosmological deceleration parameter and the Sunyaev-Zeldovich effect 9—62936

Fabbri, R. *see* Caderni, N. 9—75300, 9—80379

Fabbri, R., Jr., McFarland, W.J., Jr. Audio-visual communication system for improved delivery of services in a psychosomatic clinic 9—83997

Fabbro, R. *see* Amiranoff, F. 9—90432

Fabbro, R.Del *see* Del Fabbro, R.

Faber, J., Mueller, M.H., Hitterman, R.L. Lattice shear distortions in fluorite structure oxides 9—99221

Faber, J., Jr. *see* Morinaga, M. 9—99123

Faber, M., Ploszajczak, M. Angular momentum and energy dependence of fission and n, p, ^{4}He emission from ^{194}Hg compound nucleus 9—76045

Faber, M., Ploszajczak, M., Faessler, A. Fission instability of nuclei at very high angular momenta 9—93603

Faber, M.E. *see* Ploszajczak, M. 9—89229

Faber, P. *see* Cong, H.N. 9—83460

Faber, S.R. *see* Walker, P.M. 9—93489

Faber, T.E. *see* Horn, R.G. 9—99075

Fabian, A.C. Theories of the nuclei of active galaxies 9—58421

Fabian, A.C., Warwick, R.S. On the detection of large-scale inhomogeneities in the Universe 9—75299

Fabian, H., Lau, A., Werncke, W., Pfeiffer, M., Lenz, K., Weigmann, H.J. Investigation of the contribution of the first excited and ground electronic states to stimulated resonance Raman scattering 9—89968

Fabian, I. *see* Henrion, G. 9—52668

Fabian, P., Borchers, R., Weiler, K.H., Schmidt, U., Volz, A., Ehhalt, D.H., Seiler, W., Muller, F. Simultaneously measured vertical profiles of H_2, CH_4, CO, N_2O, $CFCl_3$, and CF_2Cl_2 in the mid-latitude stratosphere and troposphere 9—84384

Fabian, P. *see* Schmidt, M. 9—58062

Fabian, W. *see* Arenhovel, H. 9—67563, 9—71840

Fabian, W. *see* Drechsel, D. 9—71818

Fabian, W. *see* Lentz, A. 9—74076

Fabian, W. *see* Simon, G.G. 9—93418

Fabjan, C. Detectors for LEP: methods and techniques 9—97952

Fabjan, C.W. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347

Fabre, C. *see* Gross, M. 9—86153

Fabre, E. *see* Amiranoff, F. 9—90432

Fabre, F. *see* Agostini, P. 9—54824

Fabre, J.M. *see* Bernier, P. 9—82859

Fabre, J.M. *see* Devreux, F. 9—82883

Fabre de la Ripelle, M. Evidence of a three body force in the trinucleon system 9—75857

Fabrica, S.N. *see* Grinin, V.P. 9—101203

Fabricant, D. *see* Giacconi, R. 9—70941

Fabricant, D. *see* Gorenstein, P. 9—62918

Fabricant, D.G., Goddard, R.E., Harnden, F.R., Jr., Gorenstein, P. Lexan coating to eliminate the UV sensitivity of soft X-ray proportional counters with a polypropylene window 9—74273

Fabrici, E., Micheletti, S., Pignanelli, M., Resmini, F. Prominent features of proton elastic scattering on nuclei below A=70 at incident energies between 10 and 50 MeV 9—93633

Fabrici, E. *see* Acerbi, E. 9—54659, 9—54669

Fabrici, E. *see* Bellomo, G. 9—54616

Fabrici, E. *see* Resmini, F. 9—54664

Fabrici, E.M. *see* Gordon, M.M. 9—54666

Fabricius, K., Fleischer, J. Nucleon-nucleon scattering in a non-Abelian gauge theory 9—67573

Fabricius, K., Schmitt, I. Renormalization of the electromagnetic current in a non-Abelian gauge theory of strong interactions 9—63350

Fabricius, K. *see* Dose, V. 9—54237

Fabrika, S.N. *see* Kondrat'eva, T.N. 9—92869

Fabrikant, A.L. *see* Rabinovich, M.I. 9—98902

Fabrikant, I. Scattering of electrons by barium atoms above ionization threshold 9—68317

Fabrikant, I. *see* Kotomin, E. 9—69102

Fabrikov, V.A. *see* Antonets, E.P. 9—97465

Fabrizio, R. *see* Finley, D.A. 9—49625, 9—49626

Fabrizio De Angelis, G., De Martino, S., De Siena, S. Reconstruction of Euclidean fields from plane rotator models 9—97509

Fabrri, F. *see* Saporetti, F. 9—67727

Fabry, F. *see* Dobbert, P. 9—65006

Fackerell, A. *see* Colbourn, E.A. 9—72358

Faddeev, L.D. *see* Izergin, A.G. 9—93296

Fadeev, A.B., Abdyldayev, E.K. Elastoplastic analysis of stresses in coal pillars by finite element method 9—66691

Fadeev, M.A. *see* Sazhin, S.G. 9—52592

Fadeev, V.N. *see* Izhvanov, L.A. 9—61796

Fadeev, V.V. Remote laser probing of photosynthesizing organisms 9—66434

Fadeeva, V.I. *see* Kucherenko, L.A. 9—56973

Fadeeva, V.I. *see* Polushchenko, O.L. 9—78445

Fadel, M.A., Abdulla, A.A., Adnan, N.R. A method for measuring personnel neutron doses through induced changes in molecular weight of cellulose nitrate 9—59269

Fadeyev, V.A. *see* Yermolayev, I.K. 9—98773

Fadin, V.P. *see* Egorushkin, V.E. 9—99471

Fadini, A. *see* Scheringer, C. 9—73263

Fadley, C.S. *see* Petersson, L.-G. 9—65314

Fadley, C.S. *see* Sokcevic, D. 9—61493

Fadly, M., Guillot, M., Feldmann, P., Le Gall, H., Makram, H. Single crystal holmium iron garnet: Anomalous behaviour of the Faraday rotation 9—82955

Fadyukov, E.M. *see* Zabolotskii, A.A. 9—70020

Faegri, K., Jr. Neon L-shell photoabsorption cross sections from moment theory and finite basis pseudospectra 9—63938

Faegri, K., Jr., Kelly, H.P. Calculated Auger transition rates for HF 9—72368

Faehl, R.J., Shanahan, W.R., Godfrey, B.B. A phase modulated collective ion accelerator 9—72017

Faehl, R.J. *see* Shanahan, W.R. 9—72022

Faenov, A.Ya. *see* Boiko, V.A. 9—64908, 9—72230, 9—90468, 9—93948

Faenov, A.Ya. *see* Getts, K. 9—68953

Faer, Yu.N. *see* Biryukov, A.V. 9—80074

Faerman, V.I., Agafonov, I.L. Mass-spectrometer system for analyzing surface contamination 9—87903

Faeser, R.J. *see* Moise, J.C. 9—53286

Faessler, A. *see* Anastasio, M.R. 9—75859

Faessler, A. *see* Bleuler, K. 9—67576

Faessler, A. *see* Bogdan, D. 9—67715

Faessler, A. *see* Civitarese, O. 9—71815, 9—75821

Faessler, A. *see* Faber, M. 9—93603

Faessler, A. *see* Grummer, F. 9—93481

Faessler, A. *see* Toki, H. 9—93498

Faessler, M. *see* Barish, B.C. 9—63536

Faessler, M. *see* Brown, K.W. 9—80855

Faessler, M. *see* Dishaw, J.P. 9—85473

Faessler, M.A., Lynen, U., Niewisch, J., Pietrzyk, B., Povh, B., Schroder, H., Gugelot, P.C., Siemiarczuk, T., Zielinski, I.P. Inelastic hadron-nucleus interactions at 20 and 37 GeV/c 9—93664

Faessler, M.A. *see* Bertini, R. 9—63623, 9—85565

Faeth, G.M. *see* Liburdy, J.A. 9—81890

Faetti, S., Fronzoni, L., Rolla, P.A. Electrohydrodynamic flow in nematic thin films with two free surfaces 9—98817

Fafurina, E.N. *see* Babaev, A.S. 9—98039

Fafurina, E.N. *see* Babaev, V.S. 9—75580

Fafurina, E.N. *see* Dunaev, V.V. 9—55564

Fagaly, R.L., Weinstock, H., Schmidt, F.A. The effect of surface preparation on superconducting heat switches 9—60966

Fagan, A.D. An introduction to the fast Fourier transform 9—75328

Fagan, P.J. *see* Broach, R.W. 9—89801

Fagarasan, C. *see* Macovei, D. 9—65057

Fager, J.E., Brauer, F.P. Rapid nondestructive plutonium isotopic analysis 9—81069

Fagg, L.W. *see* Ensslin, N. 9—49598

Faghri, A. *see* Faghri, M. 9—94621

Faghri, M., Javdani, K., Faghri, A. Heat transfer with laminar pulsating flow in a pipe 9—94621

Fagieh, M. *see* Machali, F. 9—69952

Fagot, M. *see* Levade, C. 9—99204

Fagundes, L.M. *see* Wylie, W.R. 9—85856

Fahim, M.A., Wakao, N., Ford, J.D. Gas-solid reactions. I. A grain-cell model for complex reactions 9—66342

Fahlander, C., Johansson, K., Possnert, G. Transient magnetic field g-factor measurements of 2_1^+ in $^{64, 66, 68, 70}$Zn 9—67653

Fahlander, C., Johansson, K., Possnert, G. The magnetic moment of the excited $5/2^-$ state in the ^{57}Fe 9—93512

Fahlander, C. *see* Hasselgren, L. 9—63588

Fahlen, T.S. Efficient quarter-joule KrF laser with corona preionization 9—59713

Fahleson, U.V. *see* Mozer, F.S. 9—70930

Fahmi, H.K. *see* Tulley, F.M. 9—88057

Fahnle, M. Note of RKKY interactions in nearly-free electron systems 9—51771

Fahnle, M. Irradiation effects in Nb_3Sn—new theoretical results 9—56346

Fahnline, D.E. Circular motion for a time-asymmetric relativistic two-body problem 9—75336

Fahr, H.J. Interstellar hydrogen subject to a net repulsive solar force field 9—92686

Fahr, H.J., Nass, H.U. Concerning the structure of the transition layer between the terrestrial thermosphere and exosphere 9—66845

Fahr, H.J. *see* Richter, E. 9—101097

Fahrbach, U. *see* Frey, A. 9—58393

Fahrenbruch, A.L., Aranovich, J. Heterojunction phenomena and interfacial defects in photovoltaic converters 9—74523

Fahrig, W.F. *see* Jones, D.L. 9—57846

Fahrner, W.R. *see* Sixt, G. 9—61770

Fai, G. *see* Bondorf, J.P. 9—71863

Faibis, A. *see* Algranati, M. 9—93883

Faid'sh, A.N., Slobodyanik, V.V., Yashuk, V.N. Effects of exciton migration on the photooxide quenching of polyvinylcarbazole fluorescence 9—56830

Faidysh, A.N. *see* Gaievskii, A.S. 9—61433

Faidysh, A.N. *see* Ostapenko, N.I. 9—87477

Faile, S.P. *see* Feldkamp, L.A. 9—69937

Failes, R.L., Joyce, J.T., Watton, E.C. An examination by mass spectrometry of the behaviour of pyridine, some methyl-substituted pyridines and tetracyanoethylene on a hot tungsten filament 9—81302

Fain, D.E., Brown, W.K. Neon isotope separation by gaseous diffusion transport in regular geometries 9—94099

Fain, S.C., Jr. *see* Shaw, C.G. 9—65316, 9—77906

Fainberg, B.D. Theory of the shape of spectra of polyatomic molecules with pronounced vibrational structure 9—76469

Fainberg, Ya.B. *see* Kiselev, V.A. 9—77407

Faingol'd, M.I. Focusing of Cerenkov radiation and the 'electric-piston' effect 9—55041

Fainshtein, S.M. Heating of plasma ions by nonlinear ion-acoustic waves excited by whistlers and Alfven waves 9—82060

Fainshtein, S.M. *see* Tamoikin, V.V. 9—55488

Fainzil'berg, V.E., Belinskii, M.I., Tsukerblat, B.S. Electron-nuclear quadrupole coupling induced by the exchange interaction 9—73850

Fair, R.B. The effect of strain-induced band-gap narrowing on high concentration phosphorus diffusion in silicon 9—55935

Fair, R.B., Tsai, J.C.C. Theory and direct measurement of boron segregation in SiO_2 during dry, near dry, and wet O_2 oxidation 9—66178

Fairall, A.P. A peculiar galaxy system in Hydra 9—58433

Fairall, A.P. Spectroscopic survey of southern compact and bright-nucleus galaxies. II 9—84683

Fairall, A.P. Redshift data for some southern groups and clusters of galaxies 9—84861

Fairall, A.P. Some discussion and speculation on the distribution of different types of galaxies 9—84862

Fairall, C.W., Markson, R. Turbulence in the boundary layer as a function of height and stability 9—58074

Fairall, C.W. *see* Davidson, K.L. 9—79918

Fairand, B.P., Clauer, A.H. Laser generated waves: their characteristics and their effects to materials 9—69192

Fairand, B.P., Clauer, A.H. Laser generation of high-amplitude stress waves in materials 9—78797

Fairbairn, S. *see* Brown, D. 9—77975

Fairbairn, S.A. Quenching of hot surfaces 9—93815

Fairbank, W.M., Jr. *see* Solanki, R. 9—68383, 9—81409

Fairbanks, E.S., Shohet, J.L. Electron-beam measurements of the magnetic surfaces in the proto-cleo torsatron 9—73035

Fairbanks, R.G., Matthews, R.K. The marine oxygen isotope record in Pleistocene coral, Barbados, West Indies 9—66675

Fairchild, P.W. *see* Tang, K.Y. 9—96344

Fairclough, T.J. A calculation of the effects of an externally applied stress on the antiferromagnetic resonance and other spin-wave frequencies of a cubic antiferromagnet 9—61230

Fairen, V., Velarde, M.G. Dissipative structures in a nonlinear reaction-diffusion model with inhibition forward: global nonuniform steady patterns, spatio-temporal structures and wave-like phenomena 9—66279

Fairen, V. *see* De La Rubia, J. 9—52623

Fairfield, D.H. On the average configuration of the geomagnetic tail 9—75048

Fairfield, D.H. Structure of the magnetopause: observations and implications for reconnection 9—80103

Fairfield, D.H. *see* Caan, M.N. 9—75049

Fairfield, D.H. *see* Curtis, S.A. 9—66880

Fairhurst, M.C. *see* Ashoo, K. 9—74769

Fairweather, G., Rizzo, R.J., Shippy, D.J., Wu, Y.S. On the numerical solution of two-dimensional potential problems by an improved boundary integral equation method 9—58533

Faisal, F.H.M. *see* Moloney, J.V. 9—54854, 9—89660

Faisant, P. *see* Blanchin, M.G. 9—51194

Faissler, W.L. *see* Blanar, G.J. 9—93473

Faist, M.B., Muckerman, J.T. On the valence bond diatomics-in-molecules method. I. A projection operator reformulation 9—85919

Faist, M.B., Muckerman, J.T. On the valence bond diatomics-in-molecules method. II. Application to the valence states of FH_2 9—85920

Faist, M.B. *see* Muckerman, J.T. 9—74366

Faitel'son, L.A., Yakobson, E.E. Rheology of filled polymers. Steady-state shear flow and periodic deformation. I. Relaxation time spectra, viscosity 9—96066

Faivre, G., Le Goff, J.-J. Breakdown of Friedel's law in the Kikuchi patterns of tellurium 9—69046

Faivre, J.C. *see* Bricaud, B. 9—89569

Faivre, P., Doherty, R.D. Nucleation of recrystallization in compressed aluminium: studies by electron microscopy and Kikuchi diffraction 9—52236

Faizulaev, V.N. *see* Konyukhov, V.K. 9—89885

Faizullov, F.S. *see* Erokhin, A.I. 9—76762

Fak, V.G. *see* Khaenko, B.V. 9—99311

Fakhfakh, Z. *see* Boulesteix, C. 9—66596

Fakhr, A. *see* Dalgleish, B.J. 9—70234

Fakhrutdinov, R.M. *see* Bozhko, N.I. 9—97936, 9—97937

Fakhrutdinov, R.M. *see* Bugorskii, A.P. 9—68119

Fakhry, A.A., Nasr Alla, A., Hashem, M.S. Effect of spectroscopic buffers on transit time τ and diffusion D of atoms in DC arc discharge 9—79360

Fakidov, I.G. *see* Bogachev, I.N. 9—91648

Fakioglu, S. Thermal and magnetic properties of Nd^{3+} in doped garnets 9—51759

Faktor, M.M. *see* Elliott, C.R. 9—74106

Faktor, M.M. *see* Giess, E.A. 9—51028

Falade, G.K. Generalised solution to the problems of transient flow of fluid in porous media 9—72935

Falaleev, O.V. *see* Sergeev, N.A. 9—60239, 9—73836

Fal'chenko, V.M. *see* Brick, V.B. 9—86916

Fal'chenko, V.M. *see* Gurevich, M.E. 9—65258

Falcioni, M., Lusignoli, M., Pugliese, A. An evaluation of parity-violating effects in low-energy pion-nucleon scattering 9—75787

Falco, C.M. Thermoelectric effect in a nonequilibrium superconductor 9—65594

Falco, C.M., Schuller, I.K. Laser irradiation effects in superconductors 9—56419

Falco, C.M. *see* Schuller, I. 9—95515

Falcone, G., Piperno, F., Lely Garolla di Bard, F. Ion-atom cross-sections for sputtering of inert-gas ion incident at low energy on polycrystalline copper target 9—52059

Faleder, J.R., Yeh, G.S.Y. Model elastomeric networks prepared by selectively cross-linking polydimethylsiloxane chains having known amounts of reactive side chains 9—73106

Falicov, L.M. Density waves in one, two and three dimensions 9—95353

Falicov, L.M. *see* Balseiro, C.A. 9—73616

Falicov, L.M. *see* Kittler, R.C. 9—60501, 9—60502

Falicov, L.M. *see* Mata, G.J. 9—82743, 9—91238

Falicov, L.M. *see* Moran-Lopex, J.L. 9—87278

Falicov, L.M. *see* Moran-Lopez, J.L. 9—61089

Falik, D. Primordial nucleosynthesis and Dirac's Large Numbers Hypothesis 9—92900

Falik, D., Opher, R. Minicompact objects according to the bimetric theory of gravitation 9—49140

Falik, D., Opher, R. Slow rotation in the bimetric theory of gravitation 9—85042

Falileev, G.N., Ges', A.P. Variation of the compensation temperature of multicomponent ferrite-garnets with the concentration and type of rare earth ions 9—51775

Falin, J.L. *see* Barlier, F. 9—66852

Falin, M.L. *see* Abdulsabirov, R.Yu. 9—73856

Falina, I.V. *see* Buraygina, G.I. 9—87645

Falk, G. *see* Ashmore, J.F. 9—79535

Falk, H. A theoretical analysis of the diffusion process in flameless atomizers 9—87925

Falk, H. *see* Hoffmann, E. 9—85186

Falk, L. Student experiments on parametric resonance 9—58464

Falk, L. On the phase integral of coherent three-wave interaction 9—60127

Falk, M. *see* Knop, O. 9—82966

Falk, S.W. *see* Schurmann, S.R. 9—62856

Falk, W.R. *see* Debenham, P. 9—67622

Falkenberg, J. Survey by satellite: a steady flow of improved systems 9—62723

Fal'kevich, S.A. Reflection of ultrasound from the breaks of reinforcing rollers of welded joints 9—79213

Fal'ko, I.I. *see* Palatnik, L.S. 9—86744

Fal'kovich, I.S. *see* Bezrodnyi, V.G. 9—96859

Fal'kovich, S.Ye. *see* Ponomarev, V.I. 9—72509

Fal'kovskii, L.A. Boundary condition for the distribution function of electrons interacting with phonons 9—60458

Fall, I.D. *see* Balcazar-Garcia, M. 9—49907

Fall, S.M. Galaxy correlations and cosmology 9—62912

Fallavier, M. *see* Roulet, M.E. 9—99989

Faller, J.E., Rinker, R.L., Zumberge, M.A. Plans for the development of a portable absolute gravimeter with a few parts in 10^9 accuracy 9—80054

Faller, J.E., Rinker, R.L., Zumberge, M.A. Plans for the development of a portable absolute gravimeter: a tool for studying non-tidal variations in gravity 9—92605

Faller, J.E. *see* Bender, P.L. 9—79723

Fallmann, W. *see* Rieder, G. 9—91352

Fallon, G.D., Gatehouse, B.M. Crystal structures of some niobium and tantalum oxides. VII. $K_{4+5x}Ta_{16-x}O_{42}(x\approx0.3)$ 9—90611

Fallon, G.D., Gatehouse, B.M., Roth, R.S., Roth, S.A. Crystal structures of some niobium and tantalum oxides. VI. The structure of H-$LiTa_3O_8$ 9—60325

Falomir, H., Martin, H.P. Renormalization group calculation for cells with inequivalent spins 9—73658

Falomkin, I.V., Lyashenko, V.I., Mach, R., Panyushkin, V.A., Pontecorvo, G.B., Sapozhnikov, M.G., Shcherbakov, Yu.A., Balestra, F., Busso, L., Garfagnini, R., Piragino, G., Angelescu, T., Mihul, A., Nichitiu, F. Contribution of mesonic exchange effects to the pion ^{3}He scattering 9—85376

Falomkin, I.V. *see* Balestra, F. 9—76041, 9—85427, 9—85495, 9—85513, 9—85517

Falotico, R. *see* Oehlberg, R.N. 9—89435

Falotico, R.N., Oehlberg, R.N., Hagrman, D.L. Hypothetical PWR LOCA sensitivity to fuel rod material properties 9—89436

Falotico, R.N. *see* Duffey, R.B. 9—89425

Falt, C.-O. *see* Johansson, J. 9—98431

Falta, G. *see* Reitsamer, G. 9—54507

Faltens, A., Hoyer, E., Keefe, D., Laslett, L.J. Design/cost study of an induction linac for heavy ions for pellet-fusion 9—67982

Faltens, A. *see* Abbott, S. 9—76229

Faltens, A.A. *see* Hester, R.E. 9—76157

Falter, H.-D., Obert, W. Cryogenic supply and boil-off removal for a LHe cryopump in a 4 bar SF_6 insulated 1 MV accelerator 9—72011

Falth, L., Hansen, S. Structure of scolecite from Poona, India 9—90605

Falthammar, C.-G. *see* Mozer, F.S. 9—70930

Falvard, A. *see* Courau, A. 9—67529

Fam-Loi-Vu Determination of hypocentre coordinates and velocity of longitudinal waves 9—66623

Family Fereydoon *see* Fereydoon Family

Fan, B., Grischkowsky, D., Lurio, A. Hyperfine spectroscopy of $^6Li^{++}$ 9—89627

Fan, B. *see* Yee, T.K. 9—64240

Fan, C.Y. *see* Hartman, D.H. 9—66895

Fan, C.Y. *see* Ipavich, F.M. 9—58198

Fan, H.Y. *see* Geyer, F.F. 9—50347

Fan, J.C.C. Preparation of Sn-doped In_2O_3 (ITO) films at low deposition temperatures by ion-beam sputtering 9—66004

Fan, J.C.C., Chapman, R.L., Donnelly, J.P., Turner, G.W., Bozler, C.O. Ion-implanted laser-annealed GaAs solar cells 9—79390

Fan, L.S. *see* Fan, L.T. 9—77289

Fan, L.T., Chang, Y. Mixing of large particles in two-dimensional gas fluidized beds 9—86503

Fan, L.T., Fan, L.S. Simulation of catalytic fluidized bed reactors by a transient axial dispersion model with invariant physical properties and nonlinear chemical reactions 9—77289

Fan, L.T. *see* Wang, R.H. 9—61529

Fan Chi-Kou *see* Chi-Kou Fan

Fan Fu-Tian *see* Teng Chi-Tung 9—62478

Fan Guo-ying *see* Wu Zhong-li 9—59088

Fan Hai-Fu *see* Li Fang-Hua 9—67430

Fan Jing-yun *see* Chen Chang 9—90708

Fan Qin-min, Tang Xiao-wei Progress in cosmic ray astronomy 9—75058

Fan Wang *see* Wang Fan

Fanale, F.P., Brown, R.H., Cruikshank, D.P., Clake, R.N. Significance of absorption features in Io's IR reflectance spectrum 9—92706

Fanchenko, S.D. *see* Demidov, B.A. 9—81099

Fancher, D., Hilke, H.J., Loken, S., Martin, P., Marx, J.N., Nygren, D.R., Robrish, P., Shapiro, G., Urban, M., Wenzel, W., Gorn, W., Layter, J. Performance of a time-projection chamber 9—68148

Fang, G.Y. *see* Barber, D.P. 9—89175, 9—97631

Fang, K.K. Calculation of $\alpha+n+p\rightarrow\alpha+n+p$ elastic scattering using hyperspherical harmonics 9—63640

Fang, K.K. $\alpha+n+P\rightarrow\alpha+n+P$ elastic scattering at very low energies 9—75875

Fang, Q.T., Gerdin, G. Self-consistent operating point calculations of ELMO bumpy torus reactors 9—85779

Fang Hong-lie A canonical formulation for analyzing multielement resonators 9—89938

Fang Li-zhi, Hsieh Kuang-chung The transformation between two kinds of neutron stars 9—80332

Fang Li-zhi, Xie Guang-zhong The vacuum instability in cosmology 9—97115

Fang Qian *see* Qian Fang

Fang Yong-yan Absolute determination of the acceleration due to gravity 9—71426

Fang-Hua Li *see* Li Fang-Hua

Fang-quan Li *see* Li Fang-quan

Fang-Xiao Dong *see* Dong Fang-Xiao

Fang-xiong Zhao *see* Zhao Fang-xiong

Fang-Yuan Jou, Freeman, G.R. Band resolution of optical spectra of solvated electrons in water, alcohols, and tetrahydrofuran 9—78698

Faninger, G., Bruck, M. Solar energy activities in Austria 9—57374

Fannin, D.R. *see* Greigarn, K. 9—93889

Fano, U. *see* Crosswhite, H. 9—63958

Fano, U. *see* Greene, C. 9—68177

Fanslow, A.M. *see* Fanslow, G.E. 9—70649

Fanslow, G.E., Hendrickson, R.A., Fanslow, A.M. A combined monitor-dosimeter for nonlionizing radiation 9—70649

Fant, B. *see* Lonnroth, T. 9—49567

Fante, R.L. The effect of source temporal coherence on light scintillations in weak turbulence 9—50223

Fante, R.L. Optical propagation through strong turbulence 9—66802

Fanti, R., Ficarra, A., Mantovani, F., Padrielli, L., Weiler, K. Variability of extragalactic radiosources at 408 MHz. Results of a 3 year monitoring program 9—71142

Fantini, P. *see* Cancellieri, G. 9—89987

Fantner, E.J. *see* Vogl, P. 9—61343

Fantoni, R. *see* Camilloni, R. 9—98236

Fantoni, S., Rosati, S. FHNC expression for the three-body term of the kinetic energy in the Jackson-Feenberg form 9—67682

Fantoni, S. *see* Rosati, S. 9—54048

Fantozzi, G. *see* Malaprade, G. 9—57056

Fantozzi, G. *see* Treheux, D. 9—60542

Fantucci, P., Polezzo, S. Valence-only molecular calculations with a non-empirical pseudopotential method 9—49932

Fanucci, J.B., Ness, N., Ruey-Hor Yen On the formation of bubbles in gas-particulate fluidized beds 9—90318

Farach, H.A. *see* Tancredo, A. 9—50049

Faraci, G., Notarrigo, S., Pennisi, A.R. Simultaneous counting of true and random events in a four-fold coincidence system using two time-to-pulse-height converters 9—81140

Farafonov, V.M. *see* Bryzgalova, G.G. 9—62602

Farag, M.M. *see* El-Mahallawy, N.A. 9—83190

Faraggiana, R., Selvelli, P.L. The UV spectrum of VV Cep in 1978 9—88698

Farago, I. *see* Balogh, A.G. 9—78787

Faraj, B.A., Walker, W.R., Camp, V.M., Ali, F.M., Cobbs, W.B., Jr. Development of an enzyme-radioimmunoassay for the measurement of dopamine in human plasma and urine 9—53231
Faraone, L., Nassibian, A.G., Simmons, J.G. The determination of interfacial and bulk properties of gold in m.o.s. structures using quasiequilibrium and non-steady-state linear voltage-ramp techniques 9—95501
Faraone, L. *see* Nassibian, A.G. 9—78189
Farber, E.A., Ingley, H.A., Morrison, C.A., Cope, N. The design and evaluation of a hydraulic-solar powered tracking device 9—62123
Farber, E.A., Ingley, H.A., Morrison, C.A., Shearer, D.N. Theoretical basis and design for a residential size solar powered ammonia/water absorption air conditioning system 9—62129
Farber, E.A., Ingley, H.A., Morrison, C.A., Stanfield, J.M. An experimental evaluation of an intermittent cycle solar-powered ammonia/water absorption air conditioning system 9—62133
Farber, H. *see* Saar, D. 9—56717
Farber, M., Srivastava, R.D. Mass spectrometric investigation of the thermal decomposition of RDX 9—79340
Farber, M., Srivastava, R.D. On the heat of formation of AlO_2 9—91982
Farber, S.A., Walker, D. Evaluation of centralized in-house environmental laboratory services for multi-site utilities 9—85821
Farberovich, O.V., Kurganskii, S.I., Domashevskaya, E.P. Problems of the OPW method. I. Transition metals 9—90942
Farbshtein, I.I. *see* Vorob'ev, L.E. 9—65830
Farge, Y. *see* Ferre, J. 9—87419
Farges, J.P., Brau, A. Some comments on the Hall effect and the thermopower in $TEA(TCNQ)_2$ 9—56205
Farges, P. *see* Bernhard, J.D. 9—93095
Fargetton, H., Glangeaud, F., Jourdain, G. Frequency-time filtering, ULF signals and magnetospheric channel characterization 9—70920
Fargue, D., Fer, F. Existence of the minimum of a non convex functional and application to the resolution of a nonlinear integrodifferential equation 9—53963
Farhat, N.H. Electro-optic signal representation and classification by implicit sampling 9—76620
Farhataziz Reactions of the ammoniated electron with some rare-earth ions 9—52638
Farhi, L.E. *see* Ohta, Y. 9—84069
Faria, A.C., Pires, A.S.T. Symmetry crossover in the one-dimensional Heisenberg ferromagnet 9—87269
Faria, M.Ribeiro de *see* Ribeiro de Faria, M.
Farid, M.M., Gunn, D.J. Dispersion in trickle and two-phase flow in packed columns 9—86502
Farid, M.U. An investigation of the dynamic and static stresses in universal bearing H-piles 9—70270
Farid Nooman, M. *see* Van Der Laarse, R. 9—53208
Farifax, S. *see* Schuss, J.J. 9—82078
Farina, J. *see* Gill, R. 9—100974
Farinella, P., Paolicchi, P. Planet formation process as a phase transition. I. Elementary model 9—62771
Farinelli, U., Nicks, R. Physics problems of fast reactor shielding 9—67873
Farinola, A.L., Mader, K.H. The characterization of glass inhomogeneity 9—86225
Faris, J.L. *see* Hillman, J.J. 9—75626
Faris, S.M. *see* Botez, D. 9—98486
Farkas, H. Thermodynamic concepts for a class of one-ports 9—85103
Farkas, H., Noszticzius, Z. A variational method for solving heat conductional problems 9—76941
Farkas, S.P. *see* Bacharach, S.L. 9—100715
Farkas-Jahnke, M. *see* Somogyi, M. 9—96173
Farkhutdinov, K.G. *see* Reutov, V.F. 9—87766
Farla, M.A.J.P. *see* Biesterbos, J.W.M. 9—91273
Farley, D.T., Balsley, B.B., Swartz, W.E., Hoz, C.La. Tropical winds measured by the Arecibo radar 9—100975
Farley, D.T. *see* Swartz, W.E. 9—75024
Farley, D.T. *see* Vickrey, J.F. 9—70915
Farley, F.J.M. *see* Combley, F. 9—58539
Farlow, N.H., Ferry, G.V., Lem, H.Y., Hayes, D.M. Latitudinal variations of stratospheric aerosols 9—58040
Farmakovskii, V.V. Mathematical modelling of certain aspects of information processing associated with the recognition and shaping of concepts 9—53016
Farmer, C.B., Doms, P.E. Global seasonal variation of water vapor on Mars and the implications for permafrost 9—84714
Farmer, C.L. *see* Briscoe, F. 9—49789
Farmer, D.M. *see* Moustafa, S.M.A. 9—87973
Farmer, J.G. Problems in interpreting tree-ring $\delta^{13}C$ records 9—62573
Farmer, J.W., Look, D.C. Type conversion in electron-irradiated GaAs 9—77636
Farmer, J.W. *see* Rodine, E.T. 9—99241
Farmer, R. *see* Balik, C.M. 9—65005
Farmer, W.S., Sinclair, F., Berko, S., Beardsley, G.M. Studies of the Fermi surface of V_3Si by 2D ACAR measurements 9—87039
Farnell, G.C., Byerley, B.L.J., Howarth, M.E.F. The influence of thallous ions on the properties of silver halide emulsions 9—100413
Farnell, G.W. Types and properties of surface waves 9—50487
Farnell, G.W., Akcakaya, E. Field distributions for surface-skimming bulk-wave transducers 9—64472
Farnell, G.W. *see* Akcakaya, E. 9—90052
Farnoux, B. *see* Boue, F. 9—50956
Farnoux, B. *see* Nierlich, M. 9—77484
Farnoux, F.C. *see* Lamoureux, M. 9—68213
Farnoux, F.Combet *see* Combet Farnoux, F.
Farnsworth, A.V., Jr., Widner, M.M., Clauser, M.J., McDaniel, P.J., Lonngren, K.E. Self-similar power-driven expansion into vacuum 9—64622
Farnsworth, A.V., Jr. *see* Johnson, D.J. 9—93851
Farnsworth, A.V., Jr. *see* Widner, M.M. 9—86591
Farny, J. *see* Denus, S. 9—68939
Farooque, M., Coughlin, R.W. Anodic coal reaction lowers energy consumption of metal electrowinning 9—91965
Farooque, M. *see* Coughlin, R.W. 9—61962
Faroughy, D., Shaw, G.L. Phenomenological determination of electroproduction structure functions 9—63478
Farquharson, J.F. The Star of Bethlehem 9—67136
Farr, T. *see* Leberl, F. 9—70809
Farr, W.M. *see* Murphy, D.J., Jr. 9—93756
Farragher, A.L. Surface vacancies in close packed crystal structures 9—77871
Farrall, G.A., Hudda, F.G., Johnston, R.H. The effect of alumina inclusions on the breakdown and emission properties of copper surfaces in vacuum 9—87389
Farrant, P. *see* Meire, H.B. 9—74731
Farrar, G.R., Jackson, D.R. Pion form factor 9—80827
Farrar, H., IV, Kneff, D.W. Helium generation in twelve pure elements by 14.8-MeV neutrons 9—67944
Farrar, K. Soundfield microphone 9—98586
Farraro, R., McLellan, R.B. The diffusion of heavy interstitial solute atoms in body-centred cubic metals 9—90829
Farraro, R.J. *see* Katsuta, H. 9—77815
Farrell, A.J. *see* Pollock, W.J. 9—70235
Farrell, E.J. *see* Geisler, F.H. 9—62395
Farrell, H.H. *see* Citrin, P.H. 9—82446
Farrell, J.A. *see* Melson, K.E. 9—76159
Farrell, K., Houston, J.T. Suppression of radiation damage microstructure in aluminum by trace impurities 9—77643
Farrell, K. *see* Gilbert, R.W. 9—99247
Farrell, R.A., Favin, S., Sullivan, J.T., Vimolvanich, S., Meijer, P.H.E. Coexistence curves for fourth-neighbor Ising models on the face-centered-cubic lattice 9—80543
Farrell, S.R., Gallagher, W.J., Hartline, R.A. The Osaka University linac 9—72028
Farrell, W.E., Berger, J. Seismic system calibration. I. Parametric models 9—92603
Farrell, W.E. *see* Berger, J. 9—92604
Farren, J., Giltrap, J.W. SPADE—software package to aid diffraction experiments 9—63195
Farrington, J.G. Fibre measurement using a time-domain reflectometer 9—64355
Farrington, J.W. *see* Lee, C. 9—74885
Farrior, D.S. *see* Wilson, H.B., Jr. 9—64510
Farris, D.R. *see* Somasundaram, M. 9—87995
Farris, R.J. Problems with the popular theory of linear viscoelasticity 9—68602
Farrow, L.A., Richton, R.E. Spectral line parameters of the $\nu_4 S^R R(8,3)$ transition of NH_3 using a CO laser 9—54916
Farrow, L.A. *see* Graedel, T.E. 9—92566
Farrow, R.C., Testardi, L.R. High temperature vibrating reed measurements on Vibralloy ($Fe_{49}Ni_{41.5}Mo_{9.5}$) 9—55811
Farrow, R.F.C., Cullis, A.G., Grant, A.J., Jones, G.R., Clampitt, R. Molecular beam epitaxy and field emission deposition for metal film growth on III-V compound semiconductors—A comparative study 9—87016
Farrow, R.F.C. *see* Cullis, A.G. 9—82492
Farrugia, C.H., Hajicek, P. The third law of black hole mechanics: a counterexample 9—88855
Farshad, M., Ahmadi, G. Influence of loading behaviour on the stability of cylindrical shells 9—72846
Farsiyants, V.Yu., Takher, E.A., Popil'skii, R.Ya., Gavrilova, I.M. Steatite material with a sintering interval of 300°C 9—61527
Farssat, F. The derivation of a thickness noise formula for the far-field by Isom [helicopter rotor blade] 9—81630
Farthing, M.S. *see* Ball, M.A. 9—78039, 9—91206, 9—91207
Farvacque, J.L., Ferre, D. Experimental evidence for an asymmetrical dislocation glide in indium antimonide 9—82232
Farzaneh, M. *see* Bui Ai 9—67346
Farztdinov, M.M. *see* Doroshenko, R.A. 9—95604, 9—99726
Farztdinov, M.M. *see* Zhukova, S.A. 9—82811
Fasakhov, S.N. *see* Krutogolov, V.D. 9—68829
Fasano, A., Primicerio, M. Liquid flow in partially saturated porous media 9—90326
Fasching, J.L. *see* Walsh, P.R. 9—70486, 9—70487
Fasman, G.D. *see* Chou, P.Y. 9—83699
Fasol, G., Schilling, J. Superconductivity of V_3Si under hydrostatic pressures to 45 kbar 9—56352
Fasolo, J.A. *see* Stacey, W.M., Jr. 9—71967
Fassbender, R.H. *see* Hagemaier, D.J. 9—96254
Fassel, V.A. Quantitative elemental analyses by plasma emission spectroscopy 9—57337
Fassel, V.A. *see* Winge, R.K. 9—83519
Fassina, V. A survey of air pollution and deterioration of stonework in Venice 9—62159
Fassnacht, P. *see* Aslanides, E. 9—85481
Fastenau, R. *see* Caspers, L.M. 9—60399
Fastenau, R. *see* Van Baal, C.M. 9—88891
Fastenau, R.H.J. The random walk of a cloud of lattice points as a model for trapping of point defects by extended sinks 9—82199
Fastenau, R.H.J., Van Baal, C.M., Penning, P., Van Veen, A. On the sink concentration dependence of reaction constants for point defect trapping 9—65072
Fastie, W.G. *see* Moos, H.W. 9—64904
Fastl, H. Comparison of DT 48, TDH 49, and TDH 39 earphones 9—94438
Fat-Halla, N., Takasugi, T., Izumi, O. Operative slip systems in α-β brass two-phase bicrystals at 150K 9—70119
Fatechand, R. Attenuation of the frog's cone system during rapid dark-adaptation 9—62253
Fateev, A.P. *see* Ostroumov, P.N. 9—59291
Fateev, I.G. *see* Novikov, V.F. 9—82849
Fateev, V.A., Frolov, I.V., Schwarz, A.S. Quantum fluctuations of instantons in the non-linear σ model 9—71610
Fateev, V.A. *see* Belavin, A.A. 9—58878
Fateev, V.F. *see* Korostelev, A.A. 9—53990
Fatou, J.G. *see* Perena, J.M. 9—61636
Fatouros, P.P. *see* Rao, G.U.V. 9—58857, 9—70621
Fattah, A. *see* Uelhoff, W. 9—74081
Fattakhdinov, A.U. *see* Egiazaryan, G.A. 9—73579
Fattakhdinov, A.U. *see* Karakushan, E.I. 9—69591
Fattakhov, E.A. *see* Levinzon, D.I. 9—87682
Fau, C., Lombos, B.A., Calas, J., Averous, M. Vacancy doping of mercury telluride 9—82595
Faubert, D., Chin, S.L. Subnanosecond pulse generation from a passively mode-locked ruby laser 9—86197
Faubert, D., Chin, S.L. Passive laser pulse compression in a fluorescent dye medium 9—98351
Faucher, B. *see* Krausz, A.S. 9—60366
Faucher, K.A., Foster, J.J., Foster, J.J. A computer model for the analysis of source motion, the ocean environment, and interference effects on acoustic signal coherence 9—59859
Faucher, M. *see* Dexpert-Ghys, J. 9—95838
Faudot, F. *see* Matyka, J. 9—99324
Faudou, J.Y. *see* Bryselbout, J. 9—74260
Faugeras, O. A computer at the top of a chimney [soot particle analysis] 9—83675
Faugeras, O.D. Digital color image processing within the framework of a human visual model 9—88077
Faugeras, P., Faugier, A., Gareyte, J., Hilaire, A. Second order effects in the sextupole-corrected SPS lattice 9—76196
Faugier, A. *see* Faugeras, P. 9—76196
Faul, D.D. *see* Alvarez, R.A. 9—89289
Faul, D.D. *see* Berman, B.L. 9—54422
Faul, D.D. *see* Jury, J.W. 9—63657
Faul, D.D. *see* Phillips, T.W. 9—67743
Faul, D.D. *see* Woodworth, J.G. 9—63656
Faulk, J. *see* Thompson, J.E. 9—70604
Faulkner, D.J. *see* Shobbrook, R.R. 9—53833
Faulkner, J., Gilliland, R.L., Kemper, E. SS 433 9—88674
Faulkner, J.S. Multiple-scattering approach to band theory 9—95309
Faulkner, L.R. *see* Tachikawa, H. 9—62018
Faulkner, R.G. Intergranular precipitation in austenitic alloys 9—100148
Faundez A, M. *see* Vogt, N. 9—71047
Faure, J., Laclare, J.L., Leleux, G., Olivier, M., Ropert, A. MIMAS: project of low energy accumulator-injector for SATURNE 9—71985
Faure, J. *see* Aknin, J.P. 9—68001
Faure, J.L. *see* Argan, P. 9—85454, 9—89291
Faure, L. *see* Breysse, M. 9—73399
Faure, R. *see* Charbonnier, F. 9—90633
Faure, R. *see* Desrousseaux, G. 9—82495
Fauske, H.K. *see* Henry, R.E. 9—81700
Fauske, H.K. *see* Rose, D. 9—49773
Faust, L.G. *see* Endres, G.W.R. 9—85820
Faust, U. *see* Lichtenau, L. 9—62337
Faust, W. *see* Hofmann, S. 9—63636
Faust, W. *see* Marx, D. 9—76241
Faust, W. *see* Munzenberg, G. 9—49893
Fauster, T. *see* Conrad, M. 9—95877
Faustov, R.N. *see* Nyun'ko, N.E. 9—94114
Faux, N.A., Gasser, R.P.H., Green, D.P. Catalytic activity of rhenium during the adsorption of hydrogen deuteride 9—69358

Fava, J., Nguyen-trut-Dinh, Le Flem, G. Optical properties and cationic distribution of the α-phase of $CaLa_{1-x}Gd_xGaO_4$ ($0 \leq x \leq 1$) 9−78734
Fava, J. *see* Videau, J.J. 9−65820
Favart, D. *see* Argan, P. 9−85453, 9−85454, 9−89291
Favennec, P.N., Le Contellec, M., L'Haridon, H., Pelous, G.P., Richard, J. $Al/Al_2O_3/InP$ MIS structures 9−78184
Favennec, P.N. *see* Huber, A.M. 9−90693
Favier, B. *see* Besset, D. 9−63503, 9−67593
Favier, D. *see* Maresca, C. 9−72969
Favier, D.L. *see* Walters, D.L. 9−84478
Favier, J. *see* Tran, M.T. 9−93665
Favier, J.J., Turpin, M. Faceting and morphological regularity of eutectic structures: the $AuSn_4$-Sn system 9−61573
Favin, S. *see* Farrell, R.A. 9−80543
Favorskaya, I.K. *see* Zaitsev, S.G. 9−64839
Favorskii, A.P. *see* Bol'shov, L.A. 9−89975
Favorskii, K.G., Borozdin, V.N. Optimum alignment into meridian plane in terms of response time of corrected gyrocompass 9−67293
Favuzzi, C. *see* Cutts, D. 9−85346
Faw, F.E. *see* Shultis, J.K. 9−59274
Faw, R.E. *see* Ning, K.S. 9−55356
Fawcett, B.C., Ridgeley, A., Hughes, T.P. Line classifications for Ni XXV and XXVI and new observations of Fe XXIII and XXIV in laser-produced spectra 9−81175
Fawcett, B.C. *see* Trabert, E. 9−85929
Fawcett, E., Holden, T.M. Magnetic incoherent elastic scattering of neutrons from an antiferromagnetic CrFe alloy 9−73678
Fawcett, J. *see* Bougon, R. 9−51062
Fawcett, W. *see* Hill, G. 9−51572
Fawkes, A.J., Owen, D.R.J., Luxmoore, A.R. An assessment of crack tip singularity models for use with isoparametric elements 9−50652
Fawley, W.M. On the detection of Jovian companions to white dwarfs 9−71076
Fawwaz, R.A., Johnson, P.M. Localization of gallium-67 in the normally functioning allografted kidney: concise communication 9−100717
Fawzy, I. *see* Woodcock, D.L. 9−80426
Faxvog, F.R. *see* Roessler, D.M. 9−72488
Fay, D. *see* Scharnberg, K. 9−56407
Fay, F.S., Shlevin, H.H., Granger, W.C., Jr., Taylor, S.R. Aequorin luminescence during activation of single isolated smooth muscle cells 9−88064
Fay, G. *see* Polinszky, K. 9−91953
Faya, A. *see* Wolf, L. 9−59149
Fayad, N.K. *see* Dunlavey, S.J. 9−98153
Fayad, N.K. *see* Dyke, J.M. 9−98051
Fayans, S.A., Saperstein, E.E., Tolokonnikov, S.V. Excitation of unnatural parity states and proximity of atomic nuclei to the point of the π-condensate instability 9−97660
Fayard, C. *see* Avishai, Y. 9−75792
Fayard, C. *see* Giraud, N. 9−75791, 9−85548
Fayard, L. *see* Courau, A. 9−67529
Fayard, M. *see* Lefebvre, S. 9−96044
Fayer, M.D. *see* Gochanour, C.R. 9−68994
Fayer, M.D. *see* Nelson, K.A. 9−78724
Fayer, Yu.N. *see* Danilkin, N.P. 9−53628, 9−58153
Fayet, P. Weak interactions of a light gravitino: a lower limit on the gravitino mass from the decay $\psi \rightarrow$ gravitino + antiphotino 9−75698
Fayet, P. Relations between the masses on the superpartners of leptons and quarks, the goldstino couplings and the neutral currents 9−75717
Fayet, P. Scattering cross sections of the photino and the goldstino (gravitino) on matter 9−97558
Fayeton, J. *see* Dowek, D. 9−86037
Faymonville, R., Grosse, P., Mutzenich, G., Helesikivi, J., Maenpaa, M. Dynamical conductivity of EuSe in high magnetic fields 9−78118
Fayolle, B., Noel, C., Billard, J. Investigation of polymer mesophases by optical microscopy 9−99067
Fayyazuddin *see* Riazuddin 9−80770, 9−93423
Fazakerley, G.V., Celotti, M. ^{125}Te, ^{13}C and ^{1}H spectra of tellurium compounds 9−95658
Fazal-e-Aleem *see* Saleem, M. 9−75799
Fazekas, P., Tosatti, E. Electrical, structural and magnetic properties of pure and doped 1T-TaS_2 9−78141
Fazio, A.Di *see* Di Fazio, A.
Fazio, G. *see* D'Agostino, P. 9−67484
Fazio, G.G. *see* Wilson, T.L. 9−75263
Fazio, M.V., Johnson, H.P., Hoffert, W.J., Boyd, T.J. A proposed RF system for the Fusion Materials Irradiation Test Facility 9−67981
Fazleev, N.G. Relaxational paramagnetic absorption of RF power in dilute magnetic alloys 9−65645
Fazzio, A., Leite, J.R., De Siqueira, M.L. Multiple scattering-Xα cluster model of GaAs: electronic states of isolated vacancies and substitutional impurities 9−99504
Fearing, H.W. 'Forbidden' asymmetries and choices of geometry in proton-proton bremsstrahlung 9−58972
Fearing, H.W. Proton-proton bremsstrahlung with polarized protons 9−67585
Fearon, J. *see* Goulburn, J.R. 9−87967
Feasley, C.E. Faculty workload formulas in competency-based programs 9−48982
Feast, M.W. *see* Martin, W.L. 9−71055
Febel, A., Hemmie, G. PIA, the positron intensity accumulator for the PETRA injection 9−71984
Febel, A. *see* Bothe, W. 9−68000
Fedchenko, R.G. *see* Cizek, A. 9−52040
Fedchenko, R.G. *see* Dekhtyar, I.Ya. 9−87314
Fedchenko, S.G. *see* Koshelev, V.V. 9−62660
Fedchenko, V.S. On the nature of the adsorption lowering of the strength of steel by hydrogen-containing gases 9−52440
Fedchenkov, K.A. *see* Bykov, R.E. 9−89026
Fedchenya, I.I., Kruglik, G.S. Existence and stability of the beat regime with resonator frequency in a ring laser 9−50326
Fedders, B.S., Koneke, A. An LDA system yielding long-term averages and velocity distribution [channel flow and erosion experiments] 9−72968
Fedders, B.S. *see* Vehrenkamp, R. 9−50828
Fedders, P.A., Myles, C.W. Quadrupolar exchange effects on the dynamics of high-temperature paramagnets 9−61038
Fedders, P.A., Sundfors, R.K. Quadrupole exchange contributions to the ^{181}Ta nuclear acoustic resonance line shapes in pure Ta crystal 9−61242
Fedders, P.A. *see* Sankey, O.F. 9−95202
Fedele, J.B. *see* Muraszew, A. 9−72958
Fedele, M.A. *see* Asselin, S.V. 9−85646
Feden, R.H., Vogt, P.R., Fleming, H.S. Magnetic and bathymetric evidence for the 'Yermak hot spot' northwest of Svalbard in the Arctic Basin 9−88313
Fedenchuk, D.I. *see* Brodin, I.S. 9−77309
Feder, D., Nowik, I. Changes in vibrational modes near the magnetic phase transition in magnetostrictive materials 9−90736
Feder, D., Nowik, I. Critical changes in vibrational modes in a magnetic Debye crystal with a magnon-phonon coupling 9−95094
Feder, J.D. *see* Edwards, D.O. 9−69312
Feder, R. Theory of spin-polarized low-energy electron diffraction from ferromagnets 9−99686
Feder, R. *see* Bringer, A. 9−74054
Feder, R. *see* Kirschner, J. 9−64963
Federbush, P. Positivity conditions on correlation functions that imply Debye screening 9−71350
Federer, B., Waldvogel, A., Schmid, W., Hampel, F., Rosini, E., Vento, D., Admirat, P., Mezeix, J.F. Plan for the Swiss randomized hail suppression experiment. Design of Grossversuch IV 9−84542
Federer, B. *see* Waldvogel, A. 9−79951
Federer, C.A., Lash, D. Simulated streamflow response to possible differences in transpiration among species of hardwood trees 9−84328
Federer, J.I. *see* Selle, J.E. 9−93716
Federici, G. *see* Ricci, G. 9−96617
Federici, L. *see* Read, A.L. 9−49510
Federico, B. *see* Bottari, A. 9−84115
Federman, P., Pittel, S. Unified shell-model description of nuclear deformation 9−93502
Fedi, F. Rainfall characteristics across Europe 9−66733
Fedi, F. Attenuation due to rain on a terrestrial path [microwave links] 9−66734
Fedii, A.A. *see* Antipin, A.A. 9−95643
Fedin, E.I. *see* Tsitsishvili, V.G. 9−51290
Fedin, S.G. *see* Alekseev, B.F. 9−83488
Fedin, V.P. Narrow nonlinear resonances of an absorbing medium at low pressure 9−76722
Fedirko, V.N. *see* Maksimovich, G.G. 9−52346
Fed'Kina, V.R., Ataullakhanov, F.I., Bronnikova, T.V., Vedenkina, N.S. Photo-induced reduction of peroxidase. Reaction with indole acetic acid 9−79452
Fedock, J.J. *see* Schreyer, H.L. 9−90125
Fedorchenko, A.S. *see* Guz', I.S. 9−94432
Fedorchenko, A.T. Numerical analysis of acoustic resonance of a rectangular cavity in a viscous gas flow 9−64378
Fedorchenko, I.M., Kushchevskii, A.E. Standardization of methods of quality control for sintered parts and metal powders 9−96266
Fedorchenko, I.M. *see* Moroz, A.L. 9−98798
Fedorchenko, V.D. *see* Pashchenko, A.V. 9−64169
Fedorchuk, E.N., Kulitskii, V.N., Lychkovskii, E.I. Broadband time relay 9−88940
Fedorchuk, N.M., Zaitsev, A.A., Lazarev, E.M. Kinetics of formation of $MgAl_2O_4$ spinels from oxides in thin films 9−52144
Fedorchuk, R.V. *see* Aleksandrov, Yu.M. 9−54202
Fedorenko, A.I. *see* Chechotka, V.V. 9−68354
Fedorenko, N.S. *see* Savchenko, Yu.N. 9−77204
Fedorenko, O.M. *see* Bardin, D.Yu. 9−93403
Fedorenko, V.M. *see* Dolginov, A.Z. 9−96993
Fedorenko, Yu.P., Plastinina, A.V. Spatial correlation coefficient of the square of HF signal envelopes 9−62663
Fedorin, E.A. *see* Derevyaga, M.V. 9−100372
Fedorin, V.A. On narrow-gap electron spectra of semiconductors. Two-band model with electron-phonon interaction 9−90961
Fedorishcheva, E.E. *see* Tabachnik, V.P. 9−50190
Fedorov, A.M., Krestovskii, V.V., Remmel'gas, E.E. Checking electronic voltmeters at high frequencies 9−67343
Fedorov, A.M. *see* Aleksandrov, E. 9−93166
Fedorov, A.S. *see* Basargin, Yu.G. 9−54628
Fedorov, A.Ya., Tsoi, P.I. Acoustic streaming in a boundary layer 9−86544
Fedorov, B.I. *see* Brazgovka, A.I. 9−96716
Fedorov, D.L. *see* Suslina, L.G. 9−73449
Fedorov, G.E. *see* Revin, V.V. 9−70543
Fedorov, G.M., Fedorov, V.N., Piguzov, Yu.V., Khan, M.G. Dissociation of supersaturated solid solution of Cu-Cr alloys 9−52201
Fedorov, G.M. *see* Kask, N.E. 9−61471, 9−89979
Fedorov, G.M. *see* Zelikin, N.V. 9−89952
Fedorov, G.Ye. *see* Maksimov, G.V. 9−57620
Fedorov, I.V. *see* Karlov, N.V. 9−77331
Fedorov, K.N. Visible and invisible boundaries in the ocean 9−84296
Fedorov, L.V. *see* Uralov, A.M. 9−58315
Fedorov, M.V., McIver, J.K. Strong wave amplification by electron scattering in a spatially periodic magnetic field 9−76654
Fedorov, M.V. *see* Andrushin, A.I. 9−85940
Fedorov, M.V. *see* Delone, N.B. 9−49997
Fedorov, M.V. *see* McIver, Dzh. 9−86155
Fedorov, N.F., Mel'nikova, O.V., Smirnov, Yu.I. Physicochemical properties of pervoskite-like calcium tantalates 9−52139
Fedorov, P.P. *see* Sobolev, B.P. 9−61570
Fedorov, P.P. *see* Svantner, M. 9−100119
Fedorov, V.A., Finkel', V.M., Plotnikov, V.P. Mechanism of the formation of the Rose channels in zinc 9−79073
Fedorov, V.A. *see* Dement'ev, Yu.S. 9−95933
Fedorov, V.A. *see* Finkel', V.M. 9−60378, 9−100239
Fedorov, V.A. *see* Kaminskii, A.A. 9−91466, 9−99910
Fedorov, V.A. *see* Phasinkin, A.S. 9−79279
Fedorov, V.B. *see* Bayukov, Yu.D. 9−49538
Fedorov, V.B. *see* Rykalin, N.N. 9−56955
Fedorov, V.B. *see* Verbovetskii, A.A. 9−76639
Fedorov, V.D. *see* Balbekov, V.I. 9−63829
Fedorov, V.F. *see* Gorbachev, L.P. 9−77292
Fedorov, V.G., Alekseeva, L.E. Investigation into influence of hydrogen on gamma-to-alpha transformation in maraging steel during welding 9−78962
Fedorov, V.G., Makarov, E.L., Alekseev, G.M., Buki, A.A., Salangin, V.G., Popova, L.A. Examination of the resistance of cast dispersion-hardening steel 0Kh12NDL to the formation of cold cracks in welding 9−87731
Fedorov, V.G. *see* Kudryavtsev, V.M. 9−88360
Fedorov, V.I. *see* Baranov, Yu.F. 9−60139
Fedorov, V.I. *see* Gusakov, E.Z. 9−98885, 9−98893
Fedorov, V.I. *see* Kozyren, A.N. 9−55489
Fedorov, V.M. *see* Postnikov, V.S. 9−65587, 9−73626
Fedorov, V.N. *see* Fedorov, G.M. 9−52201
Fedorov, V.N. *see* Georgiev, M.N. 9−87710
Fedorov, V.P. *see* Dem'yanenko, T.V. 9−97377
Fedorov, V.V., Smirnov, A.I. Diffraction of Cherenkov radiation in a spatially-periodic medium 9−59623
Fedorov, V.Yu. *see* Akopov, L.I. 9−72510
Fedorov, Yu.A. *see* Belotserkovskii, D.Yu. 9−93103
Fedorov, Yu.I. *see* Dorman, L.I. 9−53682, 9−80118
Fedorova, E.G. *see* Syutkin, N.N. 9−50967
Fedorova, G.F. *see* Belyakov, V.A. 9−87846, 9−87847
Fedorova, I.P. *see* Kucherenko, E.S. 9−83234
Fedorova, L.V. *see* Makarov, R.I. 9−61553
Fedorova, N.E. *see* Moroz, A.L. 9−98798
Fedorova, O.M. *see* Alferov, Zh.I. 9−70451
Fedorova, O.V. *see* Stradomskii, M.V. 9−68554
Fedorova, R.A., Bondarev, K.T., Shvorneva, L.I., Frolova, V.P. Some aspects of corrosion mechanism in chromium-aluminum-zircon refractories 9−61757
Fedorova, S.A. *see* Sidorenko, O.G. 9−83191
Fedorova, Zh.N., Gurov, V.V., Kuryaeva, R.G., Sinyakov, I.V. Dissociation pressures of solid proustite and smithite 9−52640
Fedorovich, G.V. *see* Medvedev, Yu.A. 9−70852
Fedorovich, I.B. *see* Ostrovskii, M.A. 9−66472
Fedorovich, N.A., Sokolov, V.I. Redistribution of boron in silicon under a gas-phase oxide film 9−95044
Fedorovich, O.V. *see* Dotsenko, A.V. 9−72602
Fedorovich, O.V. *see* Zelikin, N.V. 9−89952
Fedorovskii, G.D. A method of studying creep and thermal expansion of a winding glass plastic in the transverse direction 9−96093
Fedors, J.C. *see* Harrington, R.F. 9−80062
Fedors, R.F. Relationships between equilibrium swelling in good solvents and the type and concentration of filler 9−64979
Fedors, R.F. An equation suitable for describing the viscosity of dilute to moderately concentrated polymer solutions 9−69276
Fedors, R.F. A method of estimating self-diffusion coefficients in liquids 9−90808

Fedors, R.F. Effect of filler on the mechanical behaviour of elastomers. Relationships between the small strain modulus and the type and concentration of filler 9—91729

Fedors, R.F. A method to estimate critical volumes 9—91981

Fedors, R.F. Dependence of the glass transition on molecular weight 9—95144

Fedortsov, A.B. *see* Vorob'ev, L.E. 9—60844

Fedortsov-Lutikov, G.P. *see* Plekhanov, G.A. 9—77760, 9—79177

Fedoruk, R.M., Pitak, N.V., Shulyak, R.S., Khmelenko, T.P. High-temperature refractory abrasion test machine 9—52505

Fedorus, G.A. *see* Budennaya, L.D. 9—95488

Fedorus, G.A. *see* Fursenko, V.D. 9—67452

Fedorus, G.A. *see* Kantariya, R.V. 9—52934

Fedoryuk, M.V. Propagation of waves in periodic waveguides 9—84969

Fedoryuk, M.V. Active sound suppression by continuous arrays of monopoles 9—94386

Fedoseev, D.V. Effect of particle size of the graphite-diamond equilibrium 9—65184

Fedoseev, D.V., Lavrent'ev, A.V., Varshavskaya, I.G., Bochko, A.V., Karyuk, G.G. Determination of the thermal conductivities of refractory materials with the aid of an optical quantum generator 9—94479

Fedoseev, O.B. Physical theory of grinding 9—74267

Fedoseev, S.D. *see* Kaftanov, S.V. 9—80612

Fedoseev, V.I. *see* Sablin, V.K. 9—72697

Fedoseeva, N.V., Spevakova, I.P., Bazhan, A.N., Beznosikov, B.V. Spin flopping of the sublattice magnetic moments of the antiferromagnet Rb_2MnCl_4 in magnetic fields 9—69687

Fedoseeva, O.P. *see* Zakharchuk, O.V. 9—97944

Fedosejevs, R. *see* Ebrahim, N.A. 9—98970

Fedosov, V.I. *see* Levin, B.M. 9—71415

Fedosov, V.N., Chursina, E.I. Motion of ferroelectric domain walls in strong fields 9—87409

Fedosov, V.N., Kamyshnikov, G.R. Temperature dependence of the parameters of a domain wall in the Ising model 9—69797

Fedosov, V.N. *see* Gridnev, S.A. 9—73875

Fedosov, V.N. *see* Postnikov, V.S. 9—69694

Fedotkin, I.M., Vorob'ev, E.I. Filtering suspensions with a compressible residue and its intensification by pulsation 9—90324

Fedotov, A.P., Lukshin, S.A., P'yankov, V.V. Filtering of the six-dimensional phase volume of a beam in a linear ion accelerator 9—67994

Fedotov, A.V. *see* Berge, J.P. 9—71741

Fedotov, B.N. *see* Skiba, G.G. 9—68741

Fedotov, G.A. Determination of Nl from the interference pattern in a spectral doublet 9—63937

Fedotov, G.A. *see* Shoukhtin, A.M. 9—90491

Fedotov, G.A. *see* Shukhtin, A.M. 9—79244, 9—90492

Fedotov, P.A. *see* Baldin, A.M. 9—72125

Fedotov, S.I. *see* Getts, K. 9—68953

Fedotov, V.A. *see* Shul'gin, V.V. 9—79683

Fedotov, V.K., Bondarchuk, L.F., Zhebelev, V.P., Ponyatovskii, E.G. High-pressure chamber up to 30 kbar for neutron-diffraction research 9—93158

Fedotov, Yu.S. *see* Balbekov, V.I. 9—63829

Fedotova, L.F. *see* Sviklis, B.B. 9—55350

Fedotova, T.D. *see* Kriger, Yu.G. 9—99787

Fedotovich, G.V. *see* Laptev, V.D. 9—81119

Fedotovich, G.V. *see* Pestov, Yu.N. 9—80178

Fedtchouk, A. *see* Scudieri, F. 9—73094

Fedyaev, V.L. *see* Il'gamov, M.A. 9—77152

Fedyaeva, L.G. *see* Gnesin, B.A. 9—70076

Fedyakina, N.I. Mid-latitude VLF emissions observed at Yakutsk 9—62683

Fedyanin, V.K., Yushankhai, V.Yu. One-dimensional anisotropic magnet in the long-wavelength approximation 9—61085

Fedyshin, M.I. *see* Dutchak, Ya.I. 9—60274

Fedyukina, G.N., Zlenko, V.Ya. Kinetic shape stability loss in faced cavities in the diffusion zone in alkali halide crystals 9—55916

Fedyunin, Yu.N. *see* Il'icheva, E.N. 9—65702

Feenberg, E. Distant synchrony and the one-way velocity of light 9—67153

Feenstra, R.M., Parsons, R.R., Shepherd, F.R., Westwood, W.D., Ingrey, S.J. Laser annealing of CdSe thin films 9—73605

Feenstra, S.H. *see* Schussler, F. 9—59039

Feerick, B.T. *see* Kaplan, S. 9—59152

Fegan, D.F. Autoguiders for optical telescopes 9—75109

Fegely, B., Jr., Lewis, J.S. Thermodynamics of selected trace elements in the Jovian atmosphere 9—66956

Fegley, F., Jr. *see* Lewis, J.S. 9—101109

Feher, G. *see* Koch, A.S. 9—62207

Feher, G. *see* Weissman, M.B. 9—98290

Fehl, D.L. *see* Johnson, D.J. 9—93851

Fehlmann, M. Bonding electron distribution in silicon 9—90594

Fehn, U., Cathles, L.M. Hydrothermal convection at slow-spreading mid-ocean ridges 9—88340

Fehsenfeld, F.C. *see* Streit, G.E. 9—70310

Feibelman, P.J., Hamann, D.R. Surface states of Sc(0001) and Ti(0001) 9—91120

Feibelman, W.A. HM Sagittae 9—58347

Feibelman, W.A. Isophotometry of the nuclei of M31 and M51 9—71114

Feibelman, W.A., Gull, T.R. Photographic observations of θ^1 Orionis 9—58380

Feibelman, W.A., Hobbs, R.W., McCracken, C.W., Brown, L.W. Reversal of the [O III] λ4363/H_γ λ4340 ratio in the planetary nebula IC 4997 9—92821

Feichtinger, H., Gschwandtner, A., Waltl, J. Interstitial iron and thermal defects in silicon 9—82200

Feichtner, J.D., Gottlieb, M., Conroy, J.J. Programmable acoustooptic filters—characteristics and potential applications in optical computing 9—72716

Feierabend, S. *see* Uihlein, C. 9—91410, 9—99857

Feierberg, M.A. *see* Larson, H.P. 9—96946

Feigel, A. *see* Drenckhahn, W. 9—93584

Feigelman, M.V. Dipole forces and phase transition in a two-dimensional planar ferromagnetic 9—51782

Feigelman, M.V., Tsvelik, A.M. Localized degrees of freedom in a ferromagnet with resonant impurities 9—87280

Feigelson, E. *see* Giacconi, R. 9—70941

Feigelson, E.M. *see* Zaitseva, N.A. 9—84476

Feigelson, R.S. *see* Pamplin, B. 9—95953

Feigelson, R.S. *see* Pamplin, B.R. 9—69226

Feigenbaum, C., Gal-Or, L., Yahalom, J. Scale protection criteria in natural waters 9—70182

Feigenbaum, C., Gal-Or, L., Yahalom, J. Microstructure and chemical composition of natural scale layers 9—74293

Feigenbaum, P.S., Block, R.C., Singh, U.N. Capture cross-section measurements of ^{141}Pr 9—67752

Feigin, L.A., Gonchar, N.A., Likhtenshtein, G.I., L'vov, Yu.M., Marakushev, S.A. Determination of the distance between heavy-atom markers in the histidinedecarboxylase molecule by means of small-angle X-ray scattering 9—55613

Feigin, L.A. *see* Gonchar, N.A. 9—92129

Feigin, R.I., Napper, D.H. Rotational isomeric state predictions of the conformations of polymers attached to an inert interface 9—94120

Feigin, Ya.G., Benyakovskii, M.A. A magnetic method of inspecting the heat-treatment quality of parts of 38KhS steel 9—52574

Feigl, F.J. *see* Rohatgi, A. 9—70186, 9—70187

Feijoo, L., Davis, H.T., Ramkrishna, D. Heat transfer in composite solids with heat generation 9—76949

Feijoo, L., Rajan, V.T., Chia-Wei Woo Orientation-averaged pair correlations in a molecular theory of nematic liquid crystals. II 9—60272

Feijter, J.A.de *see* de Feijter, J.A.

Feijter, J.A.De *see* De Feijter, J.A.

Feinberg, B., Hughes, H.G. Marine boundary layer refractive effects in the infrared 9—96763

Feinberg, D. *see* Castellani, C. 9—61033

Feinberg, E.L. *see* Dremin, I.M. 9—93384

Feinberg, G. Reply to 'consequence of lack of invariance under active Lorentz transformations' 9—84952

Feinberg, G., Lynn, B., Sucher, J. Axial-vector gluons and the fine structure of heavy quark-antiquark systems 9—63431

Feinberg, J. *see* Hamilton, D.S. 9—64274

Feinberg, S.B. *see* Frick, M.P. 9—88211

Feingold, A. A new look at radiation configuration factors between disks 9—55320

Feinstein, L.G., Bindell, J.B. The failure of aged Cu-Au thin films by Kirkendall porosity 9—77969

Feinstein, L.G., Sbar, N.L. Performance of new copper-based metallization systems in an 85°C, 78% RH, SO_2 contaminated environment 9—74304

Feinstein, L.G. *see* Castellano, R.N. 9—78881

Feist, I., Vdolecek, K., Konecny, C. The operation of silicon alpha detectors in nitrate solutions 9—63873

Feistauer, M. Solution of elliptic problem with not fully specified Dirichlet boundary value conditions and its application in hydrodynamics 9—90210

Feistauer, N. *see* Dubnishchev, Yu.N. 9—77305

Feistel, K.H. Optimized octave, half-octave, and third-octave bandpass filters for frequency analysis 9—64470

Feistel, R. *see* Wiechert, H. 9—52688

Feit, M.D. Minimal dispersion refractive index profiles 9—98469

Feit, M.D., Fleck, J.A., Jr. Calculation of dispersion in graded-index multimode fibers by a propagating-beam method 9—98465

Feitzinger, J.V., Weiss, G. A catalogue of radial velocities in the Large Magellanic Cloud 9—101089

Feix, M.R. *see* Burgan, J.R. 9—49099

Fejer, B.G. *see* Kelley, M.C. 9—70914

Fejer, J.A. Ionospheric modification and parametric instabilities 9—101019

Feke, G.T., Riva, C.E., Eberli, B., Benary, V. Blood velocity in human retinal vessels 9—79623

Feke, G.T. *see* Riva, C.E. 9—83884, 9—92322

Fekel, F.C. *see* Batten, A.H. 9—84825

Fekeshgazi, I.B. *see* Borsht, V.V. 9—95446

Feklistov, S.I., Chepelyugina, M.G., Runov, A.E., Maslenkov, S.V., Burova, N.N., Kardonov, B.A. Special features of the solidification of a nickel-chromium-managanese metal alloyed with silicon, molybdenum and cobalt 9—83193

Fel, N.S. *see* Davydov, R.M. 9—70506

Felber, N. *see* Schmid, J.J. 9—89999

Felcher, G.P., Kleb, R., Jaccarino, V. Observation of the spin-flop transition of MnF_2 by neutron diffraction 9—73734

Felcher, G.P., Maglic, R., Cable, J.W. Separation of the spin and orbital magnetic densities in nickel 9—78316

Felcher, G.P. *see* Cantini, P. 9—61487

Fel'd, B.N., Morozova, O.L. Role of the mutual electrical influence of adjacent portions of the myocardium in the genesis of arrhythmias 9—92202

Feld, M.S., McNair, R.E., Wilk, S.R. The physics of karate 9—88792

Feldberg, S.W. *see* Young, R.C. 9—88059

Feldblum, A. *see* Pollak, F.H. 9—95783

Felder, R.D. *see* Pipin, G.P. 9—85316

Felder, W., Fontijn, A. Kinetics of the chemiluminescence accompanying metal atom oxidation reactions 9—52672

Felderhof, B.U. Fluctuations of partial polarisations in dielectrics 9—78615

Feldkamp, L.A., Davis, L.C. Spin polarization of the resonant two-hole bound state in Ni photoemission 9—83099

Feldkamp, L.A., Shinozaki, S.S., Kukkonen, C.A., Faile, S.P. Electron energy-loss spectroscopy of TiS_2 9—69937

Feldkamp, L.A. *see* Davis, L.C. 9—78828

Feldmaier, D.A. *see* Hickling, R. 9—81624

Feldman, A. Bistable optical systems based on a Pockels cell 9—59827

Feldman, B.J. *see* Fisher, R.A. 9—64275

Feldman, C.L., Jones, D.R., Moynihan, P.F., Parisi, A.F., Folland, E.D., Hubelbank, M. Computerized analysis of real-time ultrasound images 9—70598

Feldman, C.L. *see* Aseltine, R.G., Jr. 9—83995

Feldman, C.L. *see* Hubelbank, M. 9—66567, 9—70676

Feldman, E.E. Thermal analysis of an in-reactor MLFBR irradiation creep experiment 9—67854

Feldman, E.E. *see* Seim, O.S. 9—54479

Fel'dman, E.P. *see* Naberezhnykh, V.P. 9—69584

Feldman, F.R. *see* Phillips, M.M. 9—88741

Feldman, G., Fulton, T., Devoto, A. Energy levels and level ordering in the WKB approximation 9—80463

Feldman, G.I. The τ lepton 9—85348

Feldman, G.J. *see* Abrams, G.S. 9—89149, 9—89174

Feldman, G.J. *see* Martin, J.F. 9—89167

Feldman, G.J. *see* Piccolo, M. 9—93439

Feldman, G.J. *see* Rapidis, P.A. 9—75780

Feldman, H. *see* Ben-Zvi, I. 9—72159

Feldman, J. *see* Cooper, J. 9—83783, 9—83785

Feldman, L., Kushelevsky, A., Alfassi, Z.B. Radiation effects in organic solutions of cholesteryl nonanoate and cholesteryl decanoate 9—57266

Feldman, L. *see* De Jonghe, L.C. 9—79096

Feldman, L.C. *see* Stensgaard, I. 9—82443

Feldman, M.J., Grant, N.R., Hampson, D.C., Fryer, R.M. Experience in remotely fabricating EBR-II fuel 9—89476

Feldman, M.W. *see* Perkel, D.H. 9—62228

Feldman, P.A., Linsky, J.L. HR 5110=HD 118216 9—62844

Feldman, P.A., MacLeod, J.M., Andrew, B.H. HR 1099 9—84821

Feldman, P.A., Sun Kwok, Purton, C.R. HM Sagittae 9—67025

Feldman, P.A. *see* Balonek, T.J. 9—75277

Feldman, P.A. *see* Gregory, P.C. 9—88755

Feldman, P.A. *see* Zeilik, M. 9—84826

Feldman, P.D., Moos, H.W., Clarke, J.T., Lane, A.L. Identification of the UV nightglow from Venus 9—62782

Feldman, P.D. *see* Beiting, E., III 9—70908

Feldman, P.D. *see* Gentieu, E.P. 9—70904

Feldman, R.B. *see* Taylor, L.H. 9—82037

Feldman, R.F. *see* Beaudoin, J.J. 9—74239

Feldman, U. *see* Bhatia, A.K. 9—86069

Feldman, U. *see* Burkhalter, P.G. 9—98012

Feldman, U. *see* Ebrahim, N.A. 9—98970

Fel'dman, V.I. *see* Avdeev, V.L. 9—101098

Feldman, W.C. *see* Abraham-Shrauner, B. 9—53701

Feldman, W.C. *see* Bame, S.J. 9—75197

Feldman, W.C. *see* Lemons, D.S. 9—80183

Feldman, Y.D., Goncharov, V.A., Zuev, Y.F., Valitov, V.M. Treatment of TDS data for the lumped capacitance method. Frequency-domain treatment 9—85149

Feldmann, D. Opto-galvanic spectroscopy of some molecules in discharges: NH_2, NO_2, H_2 and N_2 9—54862

Feldmann, D. *see* Filseth, S.V. 9—68275

Feldmann, D. *see* Von Hellfeld, A. 9—89720

Feldmann, J. *see* Buhlert, K.-J. 9—50509

Feldmann, M. *see* Baze, J.M. 9—54640

Feldmann, M. *see* Henaff, J. 9—51410

Feldmann, P. *see* Fadly, M. 9—82955

Feldmann, P. *see* Guillot, M. 9—78341, 9—95736

Feldmann, P. *see* Picard, J. 9—61039, 9—65841
Feldmann, T., Ben-Shaul, A. On rotational and vibrational relaxation of diatomic molecules and a quasi-classical model for rotational relaxation 9—76491
Feldmann, T. *see* Cohen, M. 9—88823
Fel'dshteyn, A.I. *see* Rezhenov, B.V. 9—53697
Fel'dshteyn, Ya.I. *see* Porchkhidze, Ts.D. 9—53658
Feldstein, N., Thomann, T.G. Contact angle measurements of solder onto nickel deposits 9—88910
Feldstein, Y.I. *see* Rezhenov, B.V. 9—62689
Feldstein, Y.I. *see* Zverev, V.L. 9—62641
Felenbok, P. *see* Picat, J.P. 9—66969
Fel'genkhauer, U. *see* Borodin, M.A. 9—59905
Felice, F.de *see* de Felice, F.
Felicetti, F., Srivastava, Y. Resonant space- and time-like pion form factor 9—54341
Felici, N., Gosse, J.P. Ion injection by metallic electrodes into liquid hydrocarbons of high resistivity 9—51289
Felicio, J.R.D.de *see* de Felicio, J.R.D.
Felinskii, G.S. *see* Kondilenko, I.I. 9—94342
Felix, R. X-radiology of cardiac insufficiency 9—53237
Fel'k, A.K. *see* Zakharchenya, B.P. 9—71531
Felkel, H. *see* Cettl, L. 9—79575
Felkel, L., Grumbach, R., Saedtler, S., Wach, D. Treatment, analysis and presentation of information on component faults and [nuclear power] plant disturbances 9—76098
Fell, B. *see* Ueno, I. 9—77427
Fell, J. *see* Kember, D. 9—67399
Fellenberg, H.v. *see* Alder, J.-C. 9—85381
Feller, G. *see* Frauenheim, T. 9—56174
Feller, J.M. *see* Piccolo, M. 9—93439
Feller, J.M. *see* Rapidis, P.A. 9—75780
Feller, P.A., Sodd, V.J., Nishiyama, H. Absorbed doses comparison: positron emitters ^{11}C, ^{13}N, and ^{15}O versus gamma-ray emitters 9—70647
Feller, S.A. *see* Yun, Y.H. 9—87325
Fellers, C.L., Seabaugh, P.W. Real-time prediction of calorimeter equilibrium 9—75532
Fellers, R.G. *see* Thompson, J.E. 9—70604
Felli, M., Perinotto, M. A comparison of optical and radio structures of planetary nebulae 9—75262
Fellmuth, B. *see* Kruger, H. 9—77991
Fellner, S.K. *see* Kottle, S.P. 9—92312
Felloni, L., Cammarota, G.P., Palombarini, G., Poli, G. Influence of some metallurgical factors on the corrosion behaviour of two C-Mn steels in acidic solutions 9—70206
Fellous, J.L. *see* Massebeuf, M. 9—75003
Felner, I. *see* Ben-Dor, L. 9—77572
Felner, I. *see* Shaked, H. 9—95576
Fels, S.B. Simple strategies for inclusion of Voigt effects in infrared cooling rate calculations 9—94768
Felsch, W. *see* Maletta, H. 9—61175
Felsch, W. *see* Winzer, K. 9—61110
Felsen, L.B., Ishihara, T. Hybrid ray-mode formulation of ducted propagation 9—50477
Felsen, L.B., Ishihara, T. High-frequency surface fields excited by a point source on a concave perfectly conducting cylindrical boundary 9—64146
Felsen, L.B. *see* Cho, S.H. 9—72652
Felserfalvi, I. *see* Beke, D.L. 9—69282
Felsteiner, J. *see* Talmi, A. 9—84905
Felten, J.J. *see* Horowitz, S.J. 9—71436
Felten, L.D., Galluzzo, N.G., Vitti, J.A., von Arx, A.V. Thermal and economic performance of heterogeneous carbide-fueled reactors 9—93703
Felten, L.D. *see* Vitti, J.A. 9—59121
Feltham, P. Low-temperature anomalies in the mechanical response of metals and alloys 9—60367
Feltham, R.K.A., Sneath, P.H.A. Quantitative comparison of electrophoretic traces of bacterial proteins 9—70331
Feltman, A. *see* Crabb, D.G. 9—72055
Felton, C.M.M., Felton, N.M.L. Mast for meteorological study in salt marshes 9—66819
Felton, N.M.L. *see* Felton, C.M.M. 9—66819
Feltyn', I.A. Plasmatron for the treatment of semiconductor microstructures 9—77428
Feltyn', I.A. *see* Bekeris, Yu.Ya. 9—56342
Feltyn, I.A. *see* Belinska, A.A. 9—99964
Feltyn', I.A. *see* Bochkans, P.Ya. 9—87009
Feltyn', I.A. *see* Zhagata, L.A. 9—87583, 9—95934
Feltz, A., Kley, G., Linke, I. Glass formation and properties of chalcogenide systems. XVIII. On glass formation in the system Ge-Pb-Se-Te 9—90560
Fel'zenbaum, A.I. A mathematical model of continuous evolution of the active oceanic layer 9—100858
Fel'zenbaum, A.I., Yushmanova, O.O. On the parameterization of temperature and turbulent energy dissipation in a one-dimensional integral model of the active oceanic layer 9—100857
Fen', G.A. *see* Shlomchak, G.G. 9—52524
Fender, B.E.F. *see* Riekel, C. 9—90827
Fender, D.H. *see* Williams, R.A. 9—57656
Fendler, J.H. *see* Herrmann, U. 9—79484
Feneuille, S., Liberman, S., Pinard, J., Taleb, A. Observation of Fano profiles in photoionization of rubidium in the presence of a dc field 9—59410
Feneuille, S. *see* Theodosiou, C.E. 9—59418
Feng, D.H. *see* Narducci, L.M. 9—98435
Feng, D.H. *see* Vallieres, M. 9—59021
Feng, M., Cook, L.W., Tashima, M.M., Stillman, G.E. Auger profile study of the influence of lattice mismatch on the LPE InGaAsP-InP heterojunction interface 9—87005
Feng, M., Cook, L.W., Tashima, M.M., Windhorn, T.H., Stillman, G.E. The influence of LPE growth techniques on the alloy composition of InGaAsP 9—52130
Feng, M., Oberstar, J.D., Windhorn, T.H., Cook, L.W., Stillman, G.E., Streetman, B.G. Be-implanted 1.3-μm InGaAsP avalanche photodetectors 9—69872
Feng, T., Ghosh, A.K., Fishman, C. Angle-of-incidence effects in electron-beam-deposited SnO_2/Si solar cells 9—52931
Feng, T., Ghosh, A.K., Fishman, C. Efficient electron-beam-deposited ITO/n-Si solar cells 9—96446
Feng, T. *see* Fishman, C. 9—52936
Feng, T. *see* Ghosh, A.K. 9—83598
Feng, T.H. *see* Ku, W.C. 9—66354
Feng Bao-huac *see* Tang Xiao 9—68325
Feng Cheng-tian *see* Zhu Wei 9—80812
Feng Da Hsuan *see* Da Hsuan Feng
Feng De-Yi, Gu Jin-Ping, Wang Zhou-Yuan, Sheng Guo-Ying, Luo Rui-Ming, Li Ke-Long Preliminary study of the velocity anomalies of seismic waves before and after some strong and moderate earthquakes in western China. III. Variations of curvature of the wadati diagrams 9—62435
Feng Guan-ping, Lu Dao-jiang, Fu Shang-xin, Chen Li-ji Principle of electric induced eddy-current and its application with frequency-modulated circuit in the non-contact measurement of displacement 9—71409
Feng Hong-yuan *see* Han Kai 9—64269
Feng Ke-An *see* Gan Zi-Zhao 9—50094
Feng Ken-chuen Recent advances in researches on the effect of noise on hearing ability 9—62267
Feng Rongyin A study of chain-extended structure of polyethylene 9—51092
Feng Wei-heng An enactment on the geochronology of Nanling Mesozoic granites 9—62468
Feng Yu-biao, Zu Yan-yun 4f-screening and the first, second and third ionization potentials of lanthanides—application and modification of Slater method 9—97977
Feng-Chi Wang *see* Wang Feng-Chi
Feng-chun Yu *see* Yu Feng-chun
Feng-qi Bao *see* Bao Feng-qi
Feng-su Chen *see* Chen Feng-su
Feng-zuo Tian *see* Tian Feng-zuo
Fengels, W. The superimposement of finite element solutions with respect to Lagrange's and Euler's reference system 9—50587
Fengih, A.S., Simmons, J.A., Kick, S.A. Echo detection and target-ranging neurons in the auditory system of the bat Eptesicus fuscus 9—62269
Fenimore, E.E., Cannon, T.M., Van Hulsteyn, D.B., Lee, P. Uniformly redundant array imaging of laser driven compressions: preliminary results 9—60189
Fenimore, E.E. *see* Bame, S.J. 9—75197
Fenimore, E.E. *see* Cannon, T.M. 9—58852
Fenistein, S. *see* Mauclaire, G. 9—64099, 9—64100
Fenker, H. *see* Fry, J.R. 9—54366
Fenlon, F.H. A weak interaction model for the axial difference-frequency field of symmetric and asymmetric parametric acoustic transmitting arrays 9—81599
Fenlon, F.H., McKendree, F.S. Axisymmetric parametric radiation—a weak interaction model 9—90053
Fenn, J.B. *see* Lee, E.H. 9—51996
Fenn, J.B. *see* Prada-Silva, G. 9—74376
Fenn, J.O. *see* McGinley, P.H. 9—70643
Fenn, R.W. *see* Cress, T.S. 9—66784
Fennell, J.F. *see* Scholer, M. 9—53667
Fenner, D.B., Bowen, D.E. Absorption of ultrasound in Cs-NH_3 and Cs-ND_3 solutions 9—69194
Fenner, J. *see* Amthauer, G. 9—73862
Fenner, R.T. *see* Tan, C.L. 9—58546
Fenner Milton, A. *see* Villarruel, C.A. 9—50428
Fennern, L.E. *see* Crowther, R.L. 9—59138
Fennern, L.E. *see* Specker, S.R. 9—85593
Fenske, G., Das, S.K., Kaminsky, M. A technique for determing the depth distribution of cavities in He^+-irradiated nickel 9—51161
Fenske, G., Das, S.K., Kaminsky, M., Miley, G.H. Depth distribution of bubbles in 20-keV $^4He^+$ irradiated nickel 9—69166
Fenske, G. *see* Das, S.K. 9—82266
Fenster, S. A minus-1 quadrupole system for containing aberration-correction octupoles 9—68068
Fenster, S. *see* Mazarakis, M.G. 9—72133
Fenstermacher, P.R., Swinney, H.L., Gollub, J.P. Dynamical instabilities and the transition to chaotic Taylor vortex flow 9—94630
Fenstermacher, T.E. *see* Slobodnik, A.J., Jr. 9—68493
Fenton, A.G., Fenton, K.B., Humble, J.E. Sidereal variations in cosmic rays at 365 hg cm^{-2} 9—53687
Fenton, J.D. A high-order cnoidal wave theory 9—94638
Fenton, K.B. *see* Fenton, A.G. 9—53687
Fenton, M.Brock *see* Brock Fenton, M.
Fenwick, P. *see* Parry-Jones, N.O. 9—79546
Fenz, K. *see* Bengtsson, G. 9—92346
Fenzi, A. *see* Bassignani, S. 9—74764
Feodos'ev, S.B. *see* Peresada, V.I. 9—78874
Feoktistov, A.I. *see* Bulgakov, V.V. 9—75909
Feoktistov, A.I. *see* Makovetskii, Yu.V. 9—75916
Feoktistov, L.P. *see* Medvedev, Yu.A. 9—70852
Feoktistov, V.A. Instability of a non-self-maintained discharge initiated by pulsed ionization 9—86572
Fer, F. *see* Fargue, D. 9—53963
Ferbel, T. *see* Biel, J. 9—89309
Ferbel, T. *see* Chaney, D. 9—89308
Ferber, R.R., Marriott, A.T., Truscello, V. JPL—small power systems applications project 9—52900
Ferch, R.L. *see* Keskinen, M.J. 9—75016
Fercher, A.F., Becker, H. A new approach to fast flow-through cytometry 9—88228
Fercher, A.F., Becker, H., Bartelt, H., Wiltschko, E. Image formation by inversion of scattered field data: experiments and computational simulation 9—89852
Ferchmin, A.R., Klama, S., Krompiewski, S. Influence of disorder on the magnetic properties of ferrites with spinel structure: application to magnetite 9—87223
Ferchmin, A.R. *see* Kobe, S. 9—78283
Ferchmin, A.R. *see* Maciejewski, W. 9—82797
Ferchmin, A.R. *see* Zagorski, A. 9—56487
Ferdinandov, E.S. On an error of method in the correlation lidar measurements of the aerosol dynamics in the low atmosphere 9—68785
Ferek, J.M. *see* Mactutus, C.F. 9—83735
Ferencz, C. Electromagnetic wave propagation in inhomogeneous media: the analysis of the rotation of polarization and the application of the principle of modified ray tracing. I 9—89831
Ferencz, K. *see* Lutter, A. 9—78782
Ferer, M. *see* Rogiers, J. 9—69686
Ferey, G., Varret, F., Coey, J.M.D. Amorphous FeF_3: a non-crystalline magnet with antiferromagnetic interactions 9—91228
Fereydoon Family Microscopic calculation of the anomalous dispersion in He II 9—55976
Ferguson, A.I. *see* Goldsmith, J.E.M. 9—89656
Ferguson, A.I. *see* Lawler, J.E. 9—50169
Ferguson, A.J. Polarization sensitive detectors 9—72207
Ferguson, A.J. *see* Warner, R.E. 9—93646
Ferguson, B.K. Regional analysis of potential water power 9—83557
Ferguson, D.C. A problem in pulsar evolution? 9—62861
Ferguson, G. *see* Bobb, L.C. 9—64673
Ferguson, G.A. *see* Judd, D.J. 9—87065
Ferguson, I.F. Microstructural aspects of materials failure and corrosion 9—52610
Ferguson, J., Masui, H., Tanabe, Y. Optical spectra of nearest neighbour nickel pairs in $KMgF_3$ and $KZnF_3$ crystals 9—51953
Ferguson, R.L. *see* Blann, M. 9—54452
Ferguson, R.L. *see* Dowling, R.J. 9—97783
Ferguson, T., Buchanan, C., Nodulman, L., Poster, R., Breidenbach, M., Morehouse, C.C., Vannucci, F. Production of n's and $\Sigma^{\pm}$'s in e^+e^- annihilations 9—63494
Ferianc, M. Analysis of the static method of the growth of cadmium sulphide crystals with large temperature gradients 9—52092
Ferla, G. *see* Baldi, L. 9—82679
Ferland, G.J. Helium abundance in ejecta from CP Lacertae and V446 Herculis 9—92775
Ferland, G.J. On the rapid emission-line variations in IC 4997 9—92838
Ferland, G.J., Netzer, H., Shields, G.A. Asymmetries of the emission lines of QSOs, Seyfert galaxies, and novae 9—101214
Ferland, G.J., Rees, M.J., Longair, M.S., Perryman, M.A.C. Observations of 3C 390.3 with the International Ultraviolet Explorer 9—67101
Ferme, J. Status report on GANIL 9—54630
Ferme, J. *see* Chabert, A. 9—72110
Fernandes, T.R.C. *see* Metcalfe, B. 9—74168
Fernandez, A.M., Rao, M., Srivastava, O.N. Studies on the correlation between structural and physical behaviour of CdI_2 and PbI_2 polytypically modulated structures 9—94971
Fernandez, B. *see* Hillis, D.L. 9—89320
Fernandez, C.Gonzalez *see* Gonzalez Fernandez, C.
Fernandez, F.M. *see* Castro, E.A. 9—97149
Fernandez, G. *see* Pinnick, R.G. 9—58086
Fernandez, H.R.C. Visual pigments of bioluminescent and nonbioluminescent deep-sea fishes 9—74670
Fernandez, J. *see* Tinaut, D. 9—74496
Fernandez, J.F., Medina, R. Remanence and non-exponential relaxation in an Ising chain with random bonds 9—73751

Fernandez, J.M.Gambi *see* Gambi Fernandez, J.M.

Fernandez, M.A., Bastiaans, G.J. A new approach to spatially resolved flame temperature measurements 9—71446

Fernandez, P. *see* Siri, A. 9—58729

Fernandez, R. *see* Morrison, H.F. 9—57860

Fernandez-Figueroa, M.J. *see* Rego, M. 9—80306

Fernandez-Morales, I. *see* Lopez-Gonzales, J. de D. 9—76268

Fernandez-Pacheco, A. Comment on the SLAC renormalization-group approach to the Ising chain in a transverse magnetic field 9—67476

Fernandez-Pacheco, A., Grifols, J.A., Schmidt, I. A relativistic description of the electromagnetic form factor of the deuteron 9—54340

Fernandez-Pineda, C. *see* Mengual, J.I. 9—52768

Fernandez-Rubio, F. *see* Beaver, J.E. 9—53238

Fernando, Q. *see* Oona, H. 9—92024

Fernando, Q. *see* Seymour, M.D. 9—57990

Fernelius, N.C. Helmholtz resonance effect in photoacoustic cells 9—75602

Fernengel, W. *see* Malozemoff, A.P. 9—91265

Fernie, D.P., West, M.A. Pulsed laser prospects in chemistry and physics 9—81440

Fernie, G. An instrument for the measurement of foot and ankle volume 9—70659

Fernie, J.D. Photometry of the classical Cepheid SU Cygni 9—62852

Fernie, J.D. On the period change of the Cepheid SV Vulpeculae 9—92777

Fernie, J.D. *see* Gauthier, R.P. 9—58356

Fernow, R.C. *see* Court, G.R. 9—63832

Fernow, R.C. *see* Ratner, L.G. 9—67608

Ferraglio, R., Anderson, W.A. Proton radiation effects on Cr-MIS single-crystal Si solar cells 9—92074

Ferrano, G., Hausler, G. Compensation for rigid body motions in holographic interferometry 9—98317

Ferrante, G. S-matrix formulation of the charged-particle scattering in the presence of a laser radiation field. II. A low-frequency approximation 9—93299

Ferrante, G., Fiordilino, E., Zarcone, M. Valence and core electron capture in proton-alkali atom collisions 9—94081

Ferrante, G., Lo Cascio, L. Eikonal theory of charged particle potential scattering in the presence of a low frequency laser field 9—81249

Ferrante, G., Lo Cascio, L., Leone, C. Proton-hydrogen resonant charge transfer in the presence of a laser field 9—64072

Ferrante, G., Lo Cascio, L., Leone, C. Model potential simulations and charge transfer cross-sections 9—64073

Ferrante, G., Nuzzo, S., Zarcone, M. Parametric excitation of charge density fluctuations in classical and quantum electron-hole plasmas 9—50856

Ferrante, G., Nuzzo, S., Zarcone, M. Ion acoustic solitons in collisionless multi-ion plasmas 9—77351

Ferrante, G., Nuzzo, S., Zarcone, M. Charged-particle potential scattering in the simultaneous presence of a magnetic and a laser field 9—81248

Ferrante, J., Smith, J.R. Theory of metallic adhesion 9—73463

Ferrante, M., Doherty, R.D. Influence of interfacial properties on the kinetics of precipitation and precipitate coarsening in aluminium-silver alloys 9—91651

Ferrara, M. *see* Cingolani, A. 9—51933, 9—73993

Ferrara, S., Girardello, L., Palumbo, F. General mass formula in broken supersymmetry 9—97535

Ferrara, S., Zumino, B. The mass matrix of N=8 supergravity 9—97281

Ferrari, A. *see* Scudieri, F. 9—73094, 9—86695, 9—94895

Ferrari, C.A., Luzzi, R. Interference effects in the light scattering spectra of semiconductors 9—82977

Ferrari, E. Formulations of electrodynamics with magnetic monopoles 9—58915

Ferrari, F. *see* Bertin, A. 9—86090

Ferrari, J.M. *see* Rado, G.T. 9—78530

Ferrari, L. *see* Chahoud, J. 9—51487

Ferrari, L. *see* Malaval, G. 9—97761

Ferrari, P. *see* Giglioli, G. 9—52955

Ferrari, V. *see* Amaldi, E. 9—67217

Ferrari, V. *see* Bonifazi, P. 9—54031, 9—58614, 9—67216

Ferrari-Toniolo, M., Leonetti, O., Persi, P., Spada, G., Viotti, R. Infrared photometry of hot stars 9—53829

Ferrario, A. A 13 MW peak power dye laser tunable in the 1.1 μm range 9—86190

Ferrario, A. A picosecond dye laser tunable in the 1.1 μm region 9—86191

Ferrario, M., Grigolini, P. A generalization of the Kubo-Freed relaxation theory 9—49156

Ferraris, F. *see* Belforte, G. 9—62386

Ferraris, M., Francaviglia, M. An algebraic isometric embedding of Kruskal space-time 9—80478

Ferraro, J.A. *see* Gerhardt, K.J. 9—100631

Ferraro, J.R., Basile, L.J. The diamond anvil cell as a sampling device in IR 9—93157

Ferrato, J.P. *see* Neubert, M.E. 9—94887

Ferraz, A., March, N.H. Electrical resistivity of liquid metals in regime of short mean free path 9—56184

Ferraz, A., March, N.H. Liquid phase metal-non metal transition in carbon 9—60712

Ferraz, A., March, N.H., Suzuki, M. Approximate melting curve of Wigner electron crystal 9—82535

Ferre, D. *see* Farvacque, J.L. 9—82232

Ferre, J., Regis, M., Farge, Y., Kleemann, W. Magneto-optical properties of the two-dimensional ferromagnet K_2CuF_4. I. Magnetic circular and linear dichroism 9—87419

Ferre, J. *see* Griffin, J.A. 9—73903

Ferre, J. *see* Renard, J.P. 9—61177

Ferreira, A. *see* Coppi, B. 9—64845, 9—82084

Ferreira, G.F.L. *see* Gross, B. 9—78612

Ferreira, G.F.Leal *see* Leal Ferreira, G.F.

Ferreira, I., Stang, R.G. Effect of stress reductions on the creep behaviour and subgrain size in aluminium deformed at 573K 9—74216

Ferreira, J.M., Continho-Filho, M.D. Impurity contribution to the low temperature FMR linewidth of Ag-doped $CdCr_2Se_4$ single crystals 9—65743

Ferreira, L.F.A. *see* Baer, T. 9—50092

Ferreira, M.I.C. *see* Archer, M.D. 9—52691

Ferreira, O., Dervin, P., Pernot, M., Penelle, R. Influence of a rolling or a tensile deformation on tbe evolution of texture—symmetrical or not—of aluminium sheets. Relation with the strain ratio R 9—91672

Ferreira da Silva, A. *see* Chao, K.A. 9—73321, 9—95182

Ferreira Da Silva, A.T.S. *see* Torquato, J.R. 9—70796

Ferrell, R.A., Bhattacharjee, J.K. Critical correlation function and exponent η: a sum rule 9—63387

Ferrell, R.A., Bhattacharjee, J.K. Corrections to dynamic scaling for the Lambda transition in liquid helium 9—73357

Ferrell, R.A., Bhattacharjee, J.K. Equation-of-motion approach to the critical dynamics of liquid helium at the lambda point 9—86943

Ferrell, R.A., Bhattacharjee, J.K., Bagchi, A. Effect on nonlocality on the spin correlations in ferromagnetic superconductors 9—82708

Ferrell, T.L. *see* Kretschmann, E. 9—60739

Ferrell, T.L. *see* Spears, D.P. 9—81351

Ferrer, A.Chamero *see* Chamero Ferrer, A.

Ferrer, J.C., Arteaga, A.E., Alvarado, D.A. Flow of mixtures of heavy crude oils and solvents through porous medium 9—98800

Ferrer, M.L. *see* Angelini, C. 9—67548

Ferrer, M.L. *see* Read, A.L. 9—49510

Ferrer, M.T. *see* Martinez, A.C. 9—79566

Ferrer, R. *see* Roessler, J. 9—78302

Ferreri, W. *see* Vaghi, S. 9—58292

Ferrero, A.M., Iori, I., Molho, N., Zetta, L. (p, α) reactions on: ^{93}Nb, ^{107}Ag, ^{118}Sn, ^{165}Ho, ^{169}Tm from ~20 to ~44 MeV incident proton energy 9—49630

Ferri, R. *see* Bragagnoli, F. 9—97782

Ferrier, R.P. *see* Chapman, J.N. 9—61195

Ferriere, R. *see* Pasteur, J. 9—55260

Ferrigno, T.H. II. A new role for fillers 9—61507

Ferrini, F. Thermodynamic theory of temperature inversion in the Earth atmosphere 9—57994

Ferrini, F. Thermodynamics of gravitating fermions. I. Thermodynamic potentials 9—80551

Ferrini, F. Thermodynamics of gravitating fermions. II. Thermodynamic functions 9—80552

Ferrini, F., Ercolani, D., de Cindio, B., Nicodemo, L., Nicolais, L., Ranaudo, S. Shear viscosity of settling suspensions 9—82011

Ferris, J. *see* MacDonald, J. 9—68503

Ferris, S.D. *see* Barnes, P.A. 9—73585

Ferris, S.D. *see* Leamy, H.J. 9—69136

Ferriss, D.H. Some linear differential equation problems in the analysis of dissolved species in cracks 9—51316

Ferriss, D.H., Hall, C. Numerical solution of a steady, viscous, axisymmetric cavity-flow problem 9—98737

Ferro, D., Nappi, B., Piacente, V. Vapour pressure of antimony triiodide 9—60496

Ferro, D. *see* Matousek, J. 9—74464

Ferro, R. *see* Borzone, G. 9—91988

Ferro, R. *see* Delfino, S. 9—91621

Ferro-Luzzi, M. *see* Bourquin, M. 9—71768

Ferron, J.R. *see* Breun, R.A. 9—77401

Ferrone, S. *see* Silver, J. 9—66441

Ferroni, F. *see* Amaldi, E. 9—71771

Ferroni, F. *see* Jonker, M. 9—93399

Ferronsky, S.V. *see* Ferronsky, V.I. 9—84653

Ferronsky, V.I., Denisik, S.A., Ferronsky, S.V. The asymptotic limit of the form-factors α and β product for celestial bodies 9—84653

Ferrucci, J.T., Wittenberg, J. CT biopsy of abdominal tumors: aids for lesion localization 9—92365

Ferry, D.K. The transport of electrons in quantized inversion and accumulation layers in III-V compounds 9—60935

Ferry, D.K. Electron transport and breakdown in SiO_2 [MOS structures] 9—78108

Ferry, D.K., Barker, J.R. Balance equations for high field transport in the finite collision duration regime 9—60843

Ferry, D.K. *see* Barker, J.R. 9—73519

Ferry, G.V. *see* Farlow, N.H. 9—58040

Ferry, J.M., Blencoe, J.G. Subsolidus phase relations in the nepheline-kalsilite system at 0.5, 2.0, and 5.0 kbar 9—66041

Ferster, E. *see* Getts, K. 9—68953

Fert, A., Asomoza, R. Transport properties of magnetic amorphous alloys 9—73485

Fert, A. *see* Creuzet, G. 9—78078

Fert, A. *see* Friederich, A. 9—65727

Fertig, J., Muller, G. Computations of synthetic seismograms for coal seams with the reflectivity method 9—74844

Fertig, W.A. *see* Ott, H.R. 9—56374

Ferziger, J.H. *see* Clark, R.A. 9—50709

Feschotte, P., Polikar, A., Burri, G. Phase equilibria in the binary systems Nb-Ge and Nb-Sn 9—70040

Fesefeldt, H. *see* Barber, D. 9—54289, 9—54346

Fesefeldt, H. *see* Barber, D.P. 9—89175, 9—97631

Fesenko, A.D. *see* Akatov, Yu.P. 9—87769

Fesenko, A.I., Borisyuk, V.S., Menchev, Yu.P. Digital instrument for measuring average heat capacity of materials 9—71453

Fesenko, A.I. *see* Voronov, S.A. 9—76267

Fesenko, A.V. *see* Kuznetsova, R.I. 9—80114

Fesenko, E.G., Dantsiger, A.Ya., Razumovskaya, O.N. Dielectric and piezoelectric properties of solid solutions of multicomponent systems of complex oxides 9—87393

Fesenko, E.G. *see* Margolin, A.M. 9—69781

Fesenko, E.G. *see* Smotrakov, V.G. 9—100041

Fesenko, E.G. *see* Surowiak, Z. 9—69794, 9—69795

Fesenko, E.G. *see* Turik, A.V. 9—99817

Fesenko, E.G. *see* Vedrinskii, R.V. 9—99258

Feshbach, H. Schwinger and nuclear physics 9—62987

Feshbach, H. Relativistic heavy ions 9—71871

Feshchenko, L.P. *see* Belashchenko, G.I. 9—94441

Fesquet, J., Irla, H., Roig, J. Satellite rings in solid state lasers 9—89911

Fessenden, T.J. *see* Hester, R.E. 9—76157

Fessender, R.W., Carton, P.M., Paul, H., Shimamorl, H. Detection of transient species by measurement of dielectric loss 9—74467

Festa, J.F. *see* Molinari, R.L. 9—79854

Festinger, L. *see* Holtzman, J.D. 9—53104

Fetcu, L., Constantinescu, I. The effects of force distribution changes on a beam resting on an elastic medium 9—55326

Fetecau, C. Non-steady helical flows of heat conducting simple fluids with memory 9—81900

Feting, N.A., Vinnikov, L.I., Efremov, I.F., Gorelik, G.N. Anomalous viscous flow of aqueous lead chromate pastes 9—64617

Fetisov, B.V. *see* Daichik, M.L. 9—49648

Fetisov, B.V. *see* Zelenchuk, A.V. 9—63747

Fetisov, I.K. *see* Tyurkanov, P.M. 9—64947

Fetisov, I.K. *see* Tyuryukanov, P.M. 9—55602

Fetisov, V.B., Men', A.N., Pankov, Yu.V., Dubnik, Z.E. Allowance for electron exchange in the quasichemical method of cluster components 9—51475

Fetisov, V.N. *see* Majling, L. 9—85566

Fetiveau, M., Ohanessian, H., Fetiveau, Y. Piezoelectric characteristics of a ceramic 9—56727

Fetiveau, Y. *see* Fetiveau, M. 9—56727

Fetscher, W. *see* Backenstoss, G. 9—76035

Fett, E. *see* Morfin, J.G. 9—71740

Fetter, A.L. Helical textures in ^{3}He-A 9—55990

Fetter, A.L. Stability of helical textures in ^{3}He-A 9—95238

Fetter, A.L. *see* Williams, M.R. 9—95236

Fettis, H.E. Bessel function evaluation of the clamped end bending moment of an impulsively loaded beam 9—92937

Feuchtwang, T.E. Tunneling theory without the transfer Hamiltonian formalism. V. A theory of inelastic-electron-tunneling spectroscopy 9—94050

Feuchtwang, T.E. *see* Nagy, D. 9—74065

Feuereisl, R. *see* Cettl, L. 9—79575

Feuerhahn, M., Minkwitz, R., Engelhardt, U. On the formation of nitryl bromide and nitryl iodide and the infrared spectra of the matrix isolated molecules 9—98097

Feuerhahn, M., Vahl, G. Infrared spectroscopic evidence for thiothionyl chloride and bromide in argon matrices at 9K 9—93995

Feustel, J.E., Kraft, M. Exploitation of solar energy via modular power plants and multiple utilization of waste heat 9—61953

Feve, L. *see* Caillat, R. 9—97474

Fever, R.S.Le *see* Le Fever, R.S.

Few, I.S. *see* Straus, J. 9—64317

Few, R.W., Booth, R.S. A survey of formaldehyde in the Orion dust cloud L1641 9—71099

Fewell, M.P., Baxter, A.M., Kean, D.C., Spear, R.H., Zabel, T.H. Electric moments of the first excited state of ^{18}O 9—67651

Feygin, F.Z., Kalisher, A.L., Pilipenko, V.A., Pokhotelov, O.A., Dobes, K. On the theory of the generation of auroral radiation 9—75051
Feygin, F.Z. *see* Matveyeva, E.T. 9—53664
Feynman, R.P. Gauge theories 9—80804
Feyral, P., Rosenblatt, J. Quantum interference in a granular superconductor: coherence and percolation 9—56434
Fiadeiro, P.M. Study of water quality in the Tagus Estuary 9—66706
Fiala, C. *see* Kulak, R.F. 9—85663
Fialko, N.M. *see* Kozdoba, L.A. 9—68553
Fialkov, A.S., Zhuikova, T.N., Il'ina, T.V., Lapkina, N.D., Zaichikov, S.G., Savost'yanova, N.A., Novikov, Yu.N. Layered compounds of graphitized polyacrylonitrile fibre with metal chlorides 9—91600
Fialkov, B.S. *see* Zakharov, A.G. 9—100374
Fibich, M. *see* Huber, D.L. 9—73725, 9—99703
Ficalora, P. *see* Pecora, L.M. 9—60737
Ficalora, P. *see* Sieradzki, K. 9—100295
Ficalora, P.J. *see* Da-Yuan Shih 9—90819
Ficalora, P.J. *see* Reith, T.M. 9—78887
Ficalora, P.J. *see* Yang, C.Y. 9—74254
Ficarra, A. *see* Fanti, R. 9—71142
Ficenec, J.R. *see* Broderick, J.J. 9—53717
Fich, M. *see* Fitzgerald, M.P. 9—88712
Fich, S. *see* Min, B.-G. 9—92324
Fichenherr, H., Forger, M. On the dual symmetry of the non-linear sigma models 9—80750
Fichera, G. Integro-differential problems of hereditary elasticity 9—67162
Fichtel, C. *see* Trombka, J. 9—80373
Fichtel, C.E. *see* Hartman, R.C. 9—71105
Fichtner, K. *see* Fichtner-Schmittler, H. 9—50931
Fichtner-Schmittler, H., Fichtner, K. Computer generation of composite X-ray powder patterns. A BESM-6 FORTRAN program and its application to special problems of quantitative phase analysis 9—50931
Fick, D. Narrow resonances in the continuum 9—85435
Fick, D. *see* Egelhof, P. 9—67737
Fick, D. *see* Tungate, G. 9—97729
Fick, S.E., Palmer, C.H. Optical measurements of ultrasonic radiation patterns in polymethyl methacrylate 9—76930
Fick, S.E. *see* Palmer, C.H. 9—79217
Ficke, D.C. *see* Mullani, N.A. 9—66517
Ficken, G.W., Jr. Estimating logarithmic base of eye's intensity response 9—71203
Fickett, A.P. Fuel-cell power plants 9—57424
Fickett, F.R. *see* Rosenbaum, J. 9—88989
Fickinger, W.J. *see* Eisner, R.L. 9—93451
Fickle, R.K., Lamb, R.C. The ground-level hadron cosmic-ray spectrum between 30 and 1000 GeV 9—75064
Ficocelli Varracchio, E. Optical potential theory of diatom-diatom scattering. II. Indistinguishable molecules 9—86041
Fiddy, M.A., Greenaway, A.H. Phase retrieval using zero information 9—76612
Fiddy, M.A. *see* Burge, R.E. 9—93262
Fiddy, M.A. *see* Ross, G. 9—50227, 9—50238
Fide, S.A. *see* Caldwell, D.R. 9—57948
Fidecaro, G., Fidecaro, M., Lanceri, L., Nurushev, S., Poyer, Ch., Solovianov, V., Steuer, M., Vascotto, A., Gasparini, F., Posocco, M., Voci, C., Birsa, R., Bradamante, F., Giorgi, M., Penzo, A., Piemontese, L., Schiavon, P., Villari, A., Bartl, W., Fruhwirth, R., Gerhold, H.R., Gottfried, Ch., Leder, G., Majerotto, W., Neuhofer, G., Pernicka, M., Regler, M., Stradner, H. Polarization measurement in pp elastic scattering at 150 GeV/c between $0.2<-t<3$ GeV^2 9—85343
Fidecaro, M. Polarized target experiments at CERN 9—63850
Fidecaro, M. *see* Fidecaro, G. 9—85343
Fidel'man, G.N. *see* Ivachenko, A.I. 9—82111
Fidone, I., Granata, G. Electron cyclotron emission from thermal plasmas 9—55473
Fidone, I. *see* Ramponi, G. 9—98878
Fiebig, A. *see* Allardyce, B.W. 9—54647
Fiebig, M. *see* Leipertz, A. 9—97447
Fiebig, M. *see* Mitra, N.K. 9—98340
Fiebiger, A. State of development of AC standards—a survey. I(ii). Capacitance standards. Secondary standards 9—71402
Fiedeldey, H. The bound states of the two-, three- and four-nucleon systems and the nuclear force 9—71800
Fiedeldey, H. *see* Allen, L.J. 9—67564
Fiedeldey, H. *see* Pantis, G. 9—75870
Fiedeldey, H. *see* Sofianos, S. 9—71801
Fiedler, H., Beilich, H.-R. Influence of the substrate temperature on the dielectric relaxation of amorphous selenium layers in the glass transition range 9—69773
Fiedler, H., Beilich, H.-R. Dielectric relaxation in amorphous selenium layers in the glass transition range and ageing 9—82923
Fiedler, H., Lauckner, J., Finke, J. Photoinduced phase transformations in selenium films 9—82156
Fiedler, H. *see* Wygnanski, I. 9—81896
Fiedler, H.C. Improving the magnetic properties of high induction boron silicon-iron by adding boron to the coating 9—83338
Fiedler, K. *see* Roethe, K.P. 9—77817
Fiedorow, R., Dalla Lana, I.G., Wanke, S.E. Adsorption of sulfur dioxide on heat treated γ-aluminas at room temperature 9—56070
Field, A.A. The reality of geothermal energy 9—79372
Field, D. *see* Dixon, R.N. 9—50118, 9—50119, 9—94068
Field, F.R. Reprocessing and fuel fabrication systems 9—49818
Field, J.C. *see* Carr, P.H. 9—51409
Field, J.C. *see* Morency, D.G. 9—56056
Field, J.E. *see* Hagan, J.T. 9—96132
Field, J.H. $\gamma\gamma$ collisions: experimental aspects 9—97627
Field, J.H., Lautrup, B. Coulomb interference in $e^+e^-\to e^+e^-$ near the Z^0 pole 9—85289
Field, J.H. *see* Combley, F. 9—58539
Field, J.J. Resistive steady states of elliptical cross-section plasmas 9—98872
Field, R.C. *see* Cuatis, C.V. 9—89193
Field, R.D. Applications of quantum chromodynamics 9—97571
Field, R.W. *see* Gottscho, R.A. 9—59481
Field, R.W. *see* Koffend, J.B. 9—54917, 9—94006
Field, S. *see* Starr, C. 9—79385
Field, S.B. *see* Hand, J.W. 9—100795
Field, S.B. *see* Hume, S.P. 9—57595, 9—88054
Field, S.B. *see* Myers, R. 9—57712
Fielder, W., Jr., Lin, D.L., Ton-That, D. E1 and M2 transitions in the neon isoelectronic sequence 9—59401
Fielding, G. *see* Nelson, G.J. 9—53827
Fielding, H.W. *see* Cameron, J.M. 9—75993
Fielding, H.W. *see* Soukup, J. 9—67669
Fielding, P.J., Haas, F.A. Dynamics of high-β Tokamaks with anisotropic pressure 9—73027
Fields, C.A., Kraushaar, J.J., Ristinen, R.A., Samuelson, L.E. High-spin states above 3.5 MeV in ^{91}Nb [populated in ^{89}Y(α, 2nγ] 9—93514
Fields, J.N. Spectral excitations in the one-dimensional spin-$^1/_2$ dimerized Heisenberg chain: a renormalization-group approach 9—78295
Fields, J.N., Blote, H.W.J., Bonner, J.C. Renormalization group and other calculations for the one-dimensional spin-1/2 dimerized Heisenberg antiferromagnet 9—78393
Fields, J.N., Smith, C.P., Asawa, C.K., Morrison, R.J., Ramer, O.G., Tangonan, G.L., Barnoski, M.K. Multimode optical-fiber loss-modulation acoustic sensor 9—50564
Fields, T. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Fienup, J.R. *see* Tai, A. 9—98296
Fiereder, R. *see* Winzer, G. 9—72704
Fietz, W.A., Lue, J.W., Miller, J.R. Development and testing of toroidal field superconductors for fusion devices 9—59263
Fife, P.C. Long time behavior of solutions of bistable nonlinear diffusion equations 9—94759
Fifield, L.K., Garman, E.F., Hurst, M.J., Symons, T.J.M., Watt, F., Zimmerman, C.H., Allen, K.W. Radiative decays of unbound high-spin states in ^{24}Mg. II 9—67701
Figarova, S.R. *see* Askerov, B.M. 9—51694, 9—73607
Figeys, H.P., Geerlings, P., Van Alsenoy, C. Ab initio and LMO studies of integrated intensities of infrared absorption bands of polyatomic molecules. I. Method, application to cyanoacetylene and comparison with semi-empirical 'all-valence' theories 9—72234
Figgis, D.L., Sarkar, A.D. Wear results from talysurf traces 9—52392
Figiel, J. *see* Deutschmann, M. 9—85345
Figielski, T. Spin effects in electron transitions via dislocation states in silicon 9—82642
Figlarz, M. *see* Gerand, B. 9—99157
Figler, B.D. Precision focus control 9—58769
Figoski, J.W. *see* Slomba, A.F. 9—85175
Figueroa, D.R., Strange, J.H., Wolf, D. Temperature dependnece of motion-induced nuclear spin relaxation in single crystals 9—61250
Figueroa, D.R. *see* Laredo, E. 9—69769
Figueroa, E. *see* Nordblad, P. 9—91217
Figuiere, P., Szwarc, H. P-V-T relations for liquid and crystalline furan from 210 to 260K up to 10 MPa 9—95122
Figurovskii, N.A. At sources of modern chemistry—on the 200th anniversary of the birth of J.L. Gay-Lussac 9—80407
Figut, T.Kh. *see* Miroshnichenko, I.I. 9—78785
Fihey, J.L. *see* Roberge, R. 9—56476, 9—60997
Fijalkow, E. *see* Burgan, J.R. 9—49099
Fike, J.R., Gillette, E.L., Clow, D.J. Repair of sublethal radiation damage by capillaries 9—100672
Fikes, L. The determination of the hydrogen and oxygen concentrations based on changes in the contact potential 9—70386
Fikhmanas, R.F. *see* Garb, Kh.L. 9—68355
Fikioris, J.G. *see* Kanellopoulos, J.D. 9—72457
Fikioris, J.G. *see* Uzunoglu, N.K. 9—59620
Fikus, J.H., Johnson, R.A. Effect of surface energy barriers on void growth kinetics 9—51146
Fil', V.D., Denisenko, V.I., Bezuglyi, P.A. Ultrasonic studies of conductivity of superconductors 9—60976
Fil, V.D., Gaiduk, A.L., Denisenko, V.I. Nonlinear acoustic properties of conduction electrons 9—60975
Filanovskii, B.K. *see* Maksimov, I.A. 9—70334
Filatov, A.M. *see* Vagin, L.N. 9—72538, 9—76643, 9—81395
Filatov, A.V. *see* Aksenov, S.I. 9—53033
Filatov, E.Ya., Pavlovskii, V.E., Belokurov, V.N. Improving the accuracy of fatigue tests with axial loading 9—83428
Filatov, V.N. *see* Sysoev, A.A. 9—67421
Filatova, V.N. *see* Zalesskaya, I.M. 9—78917
Fil'bershtein, P.G. *see* Azarov, N.Ya. 9—74858
Filbert, P.C., Kellogg, P.J. Electrostatic noise at the plasma frequency beyond the Earth's bow shock 9—70939
Filchenkov, V.V. *see* Bystritskii, V.M. 9—50171
File, J. *see* Jassby, D.L. 9—50898
Filges, D. *see* Basu, T.K. 9—59255
Filges, O.D., Hecker, R., Mirza, N., Ruckert, M. Actinide production in different HTR-fuel cycle concepts 9—85753
Filho, A.P., van der Bilt, A., Carlin, R.L. Antiferromagnetic $[(CH_3)_2NH_2]MnCl_3.2H_2O$ 9—73694
Filho, J.B., Cardoso, J.L., Jr., Chinellato, J.A., Dobrigkeit, C., Lattes, C.M.G., Menon, M., Navia O., C.E., Oliveira, A.M., Rodrigues, W.A., Jr., Santos, M.B.C., Silva, E., Shibuya, E.H., Tanaka, K., Turtelli, A., Jr., Amato, N.M., Castro, F.M.O., Aoki, H., Fujimoto, Y., Hasegawa, S., Kumano, H., Sawayanagi, K., Semba, H., Tabuki, T., Tamada, M., Yamashita, S., Arata, N., Shibata, T., Yokoi, K., Ohsawa, A. Multiple meson production in the $\Sigma E_\gamma > 2\times10^{13}$ eV region. Brasil-Japan emulsion chamber collaboration 9—58989
Filho, J.B., Cardoso, J.L., Jr., Chinellato, J.A., Dobrigkeit, C., Lattes, C.M.G., Menon, M., Navia O., C.E., Oliveira, A.M., Rodrigues, W.A., Jr., Santos, M.B.C., Silva, E., Shibuya, E.H., Tanaka, K., Turtelli, A., Jr., Amato, N.M., Castro, F.M., Aoki, H., Fujimoto, Y., Hasegawa, S., Kumano, H., Sawayanagi, K., Semba, H., Tabuki, T., Tamada, M., Yamashita, S., Arata, N., Shibata, T., Yokoi, K., Ohsawa, A. Baryon pair production with large decay Q-value. Brasil-Japan emulsion chamber collaboration 9—58992
Filho, J.B., Cardoso, J.L., Jr., Chinellato, J.A., Dobrigkeit, C., Lattes, C.M.G., Menon, M., Navia, C.E., Oliveira, A.M., Rodrigues, W.A., Jr., Santos, M.B.C., Silva, E., Shibuya, E.H., Tanaka, K., Turtelli, A., Jr., Amato, N.M., Castro, F.M.O., Aoki, H., Fujimoto, Y., Hasegawa, S., Kumano, H., Sawayanagi, K., Semba, H., Tabuki, T., Tamada, M., Yamashita, S., Arata, N., Shibata, T., Yokoi, K., Ohsawa, A. A new type of nuclear interactions in the $\Sigma E_\gamma > 10^{14}$ eV Brasil-Japan emulsion chamber collaboration 9—63561
Filho, J.Mendes *see* Mendes Filho, J.
Filho, M.F.De Jesus *see* De Jesus Filho, M.F.
Filimonov, G.D. *see* Shepelev, A.G. 9—87191
Filimonov, G.N. *see* Bulavin, V.V. 9—57171
Filimonov, G.N. *see* Maslov, L.I. 9—52370
Filimonov, V.P., Tsibulya, A.B., Chertov, V.G. Energy loss due to optical correction of time distortions in fiber transmission lines 9—50394
Filimonov, V.S. *see* Sidko, A.F. 9—49269
Filimonova, L.M. *see* Avaeva, I.G. 9—78623
Filin, V.A. *see* Shchukin, V.K. 9—81958, 9—86426
Filina, L.I. A study of the mechanism of the optical scintillation of ZnS phosphors activated with rare earth elements 9—56867
Filina, L.V., Krotikov, V.A., Kharitonov, N.P. High-temperature transitions in polyorganosiloxane-talc composites 9—52152
Filipchenko, A.S. *see* Atarbekov, S.G. 9—73575
Filipchuk, E.V. *see* Emel'yanov, I.Ya. 9—63739, 9—63764, 9—67896
Filipczynski, L. Measurement of the temperature increases generated in soft tissue by ultrasonic diagnostic Doppler equipment 9—62294
Filipenko, O.S., Ponomarev, V.I., Atovmyan, L.O. Crystal and molecular structure of deuterated azoxyphenetole 9—86782
Filipescu, L. *see* Pincovschi, E. 9—73291
Filipic, C., Levstik, A., Kanduser, A. Dielectric properties of TBBA 9—78607
Filipic, C. *see* Blinc, R. 9—78635
Filipic, C. *see* Kind, R. 9—99313
Filipic, C. *see* Levstik, A. 9—91385
Filipoiu, A. Many-sorted polynomials and algebras of polynomials 9—80416
Filipova, V. *see* Boos, E.G. 9—49548
Filipovich, V.N. Theory of oxygen self-diffusion in vitreous SiO_2 and GeO_2 9—95214
Filipovskii, A.V. *see* Karpinos, D.M. 9—96135
Filipp, N.D., Blaunshtein, N.Sh. Drift of atmospheric inhomogeneities in the presence of the geomagnetic field 9—88546
Filippas, T.A. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347

Filippini, G., Gramaccioli, C.M., Simonetta, M. Calculations of surface structures for naphthalene crystals 9—86966
Filippini, G. *see* Gramaccioli, C.M. 9—99104
Filippini, J.C. *see* Malraison, B. 9—99302
Filippo, S.De *see* De Filippo, S.
Filippone, W.L., Martin, J.G. Thermal breeding with a mixed denatured fuel 9—67838
Filippone, W.L. *see* Duggan, C. 9—87977
Filippone, W.L. *see* Nardini, J. 9—59111
Filippov, A.K. Effects of prolonged preliminary depolarization of membranes on the amplitude of the incoming calcium current in the trabeculae of the frog atrium 9—79497
Filippov, A.N. *see* Pevtsov, V.V. 9—71983
Filippov, A.T. Meson spectroscopy, quark mixing and quantum chromodynamics 9—54329
Filippov, A.T. Singular potentials in the nonrelativistic quantum theory 9—63063
Filippov, A.T., Chirkov, N.P. Particle acceleration to relativistic energies in interplanetary medium 9—80123
Filippov, B.N., Zaikova, V.A., Zhakov, S.V. Dynamics of domain structure and electromagnetic losses 9—87281
Filippov, G.A., Daskal, Yu.I. On particle interaction processes in two phase flows 9—72875
Filippov, G.A., Daskal, Yu.I. The process of interaction of particles in two-phase flows 9—98789
Filippov, G.A. *see* Sarrak, V.I. 9—57104
Filippov, G.F., Ovcharenko, V.I. Matrix elements of the potential energy operator in the anisotropic oscillator model with projection 9—97672
Filippov, G.F., Steshenko, A.I., Pavlenko, O.P. On the dependence of the effective moment of inertia on the effective frequency in the model based on a deformed oscillator basis with projection 9—75811
Filippov, G.F. *see* Ksanfomaliti, L.V. 9—66950
Filippov, I.M. *see* Kasilov, V.I. 9—51156
Filippov, K.N. *see* Kuptsov, V.M. 9—64726
Filippov, L.P. *see* Kulish, A.A. 9—85143
Filippov, M.A. *see* Bogachev, I.N. 9—52444
Filippov, M.M. *see* Rylkov, V.V. 9—99016
Filippov, N.N. *see* Regel', V.R. 9—52559
Filippov, N.V. Acceleration of aluminium ions in a plasma focus 9—77415
Filippov, N.V., Filippova, T.I. Sub-terawatt ion beams in a plasma focus 9—82099
Filippov, O.K. *see* Dmitrievskii, O.D. 9—55198
Filippov, P.G., Benderskii, V.A., Brikenshtein, V.Kh. Nonlinear quenching of fluorescence in mixed molecular crystals 9—65924
Filippov, P.G. *see* Benderskii, V.A. 9—65904
Filippov, S.M. *see* Kuznetsov, I.A. 9—57680
Filippov, V.A. *see* Gavril'ev, A.I. 9—80136
Filippov, V.A. *see* Kuz'min, A.I. 9—84602
Filippov, V.K. Thermodynamics of heteroazeotropic systems in the Gibbs potential metrics 9—96355
Filippov, V.K., Shul'ts, M.M. Applying thermodynamics of heterogeneous systems to study of liquid-phase separation in multicomponent glasses 9—95173
Filippov, V.L., Ivanov, V.P., Makarov, A.S. Statistical characteristics of optical radiation attenuation in the ground layer of the atmosphere (spring, autumn) 9—84484
Filippov, V.N. *see* Ostrovskaya, G.V. 9—80669
Filippov, V.V. Behavior of energy of uniform plane waves in gyrotropic crystals 9—56758
Filippov, V.Yu. *see* Kazachkovskii, O.D. 9—97803
Filippova, L.S. *see* Timashev, V.V. 9—91610
Filippova, N.I. *see* Bolotnikov, F.S. 9—67411
Filippova, N.P. *see* Dubovtsev, I.A. 9—99794, 9—99795
Filippova, T.I. *see* Filippov, N.V. 9—82099
Filippovskii, N.F. *see* Baskakov, A.P. 9—86508
Filkin, D.L. *see* Glasgow, L.C. 9—84427
Filkin, D.L. *see* Miller, C. 9—88390
Fill, E.E., Thieme, W.H., Volk, R. A tunable iodine laser 9—50316
Fillard, J.P. *see* Gasiot, J. 9—91073
Fillard, J.P. *see* Jimenez-Lopez, J. 9—56234
Filler, D.S. Transient store—novel oscillography. II 9—80607
Filliben, J.J. *see* Simiu, E. 9—88457
Fillinger, L., Dezsi, Gy. Testing the linearity of photodetectors 9—89001
Fillion, G., Gauthier, R., LeBlanc, M.A.R. Direct evidence of flux cutting in type-II superconductors 9—73647
Fillo, J. *see* Powell, J. 9—49861
Fillo, J. *see* Vi-Duong Dang 9—52915
Fillo, J.A. *see* Horn, F.L. 9—85800
Fillo, J.A. *see* Makowitz, H. 9—85796
Fillo, J.A. *see* Miley, G.H. 9—76143
Filly, R.A. *see* Goldberg, H.I. 9—92310
Filo, A.J. *see* Yates, S.W. 9—52837
Filonenko, A.N. *see* Ivanov, O.P. 9—68962
Filonenko, N.N. *see* Mel'nik, L.P. 9—89967
Filonov, V.S. *see* Efimov, I.A. 9—76101
Filoti, G. *see* Ghizdeanu, C.G. 9—78575
Filseth, S.V., Danon, J., Feldmann, D., Campbell, J.D., Welge, K.H. Infrared multiple-photon dissociation of N_2H_4 and CH_3NH_2. Fluence dependence of the production of NH_2 9—68275
Filseth, S.V. *see* Messing, I. 9—98135
Filter, H.E. Solidification of low-level radioactive wastes from nuclear power plants 9—54540
Filyushov, D.I. *see* Terent'ev, V.F. 9—79350
Fimushkin, V.V. *see* Belushkina, A.A. 9—63324
Finarev, M.S. *see* Kontsevoi, Yu.A. 9—69894
Finarev, M.S. *see* Plyusnin, A.B. 9—55692
Finbow, D. *see* Bance, U.R. 9—63259
Finch, E.C., Asghar, M., Forte, M. Plasma and recombination effects in the fission fragment pulse height defect in a surface barrier detector 9—76292
Finch, L.L., Johnson, J.E., Moulton, G.C. An ESR and ENDOR study of citric acid single crystals X-irradiated at 4.2K 9—65764
Fincher, C.R., Jr., Ozaki, M., Heeger, A.J., MacDiarmid, A.G. Donor and acceptor states in lightly doped polyacetylene, $(CH)_x$ 9—73979
Fincher, R., Hathaway, D. Microprocessor-controlled HPLC 9—83528
Finck, J.E. *see* Iwasaki, Y. 9—93495
Finckh, E. *see* Drenckhahn, W. 9—93584
Findakly, T., Garmire, E., Moon, H.T. Comparison of losses in imperfect surface-diffused and buried optical waveguides 9—64332
Findlay, D.J.S. *see* Leitch, M.J. 9—85451
Findley, D.O. *see* Huen, A. 9—61457
Findley, W.N., Lepper, J.K. A tower extensometer 9—83410
Fine, M.E. *see* Izumi, Y. 9—79070
Fine, M.E. *see* Kim, Y.H. 9—77010
Fine, M.E. *see* Kung, C.Y. 9—79100
Fine, R. *see* Coteus, P. 9—63468
Fine, R.M. *see* Loomis, W.A. 9—71757
Finetti, I. The Friuli earthquake (1976-1977) 9—84174
Finetti, M., Galloni, R., Mazzone, A.M. Influence of impurities and crystalline defects on electron mobility in heavily doped silicon 9—78095
Finger, L.W. *see* Hazen, R.M. 9—82184
Finger, M. *see* Rikovska, J. 9—59031
Finger, R.A., Abbagnaro, L.A., Bauer, B.B. Measurements of low-velocity flow noise on pressure and pressure gradient hydrophones 9—81605
Fini, G. *see* Mirone, P. 9—99868
Finis, R. *see* Euler, K.-J. 9—69485
Finitzo-Hieber, T., Tillman, T.W. Room acoustics effects on monosyllabic word discrimination ability for normal and hearing-impaired children 9—53160
Finjord, J. *see* Din, A.M. 9—71604
Fink, C.L. *see* DeVolpi, A. 9—49776
Fink, C.L. *see* Page, R.J. 9—49763, 9—93755
Fink, H.J., Klais, O. Global distribution of fluorocarbons 9—53407
Fink, H.J., Poulsen, R.S. Current-phase relation of SNS and SS_1S weak links 9—60991
Fink, H.J., Poulsen, R.S. Supercurrents through proximity layers. II. Numerical solution of superconducting-normal-superconducting and superconducting-superconducting-superconducting weak links 9—87207
Fink, H.J. *see* Esfandiari, M.R. 9—60961
Fink, H.J. *see* Lopez, A. 9—78275
Fink, J. *see* Andelfinger, C. 9—76162
Fink, J.B. On K-factors and gamma log calculations 9—84278
Fink, J.H., Barr, W.L., Hamilton, G.W. Efficient high-power high-energy neutral beams for the reference mirror reactor 9—49836
Fink, J.H. *see* Bender, D.J. 9—76124
Fink, J.H. *see* Moir, R.W. 9—71972
Fink, J.K. *see* Heiberger, J.J. 9—59172
Fink, J.P. The Pettis integration of a perturbed wave equation 9—71285
Fink, M. *see* Alais, P. 9—74734
Fink, M.R. *see* Hanson, D.B. 9—55263
FInk, R.W. *see* Braga, R.A. 9—67719, 9—76306
Fink, R.W. *see* Gnada, B.E. 9—81141
Fink, R.W. *see* Indira, P.A. 9—49977
Fink, U. *see* Jacobs, H. 9—51080
Fink, U. *see* Larson, H.P. 9—96946
Finke, G. *see* Brudermueller, G. 9—97848
Finke, J. *see* Fiedler, H. 9—82156
Finkel, A.G. *see* Tatarinov, S.I. 9—93238
Finkel, G., Ashery, D., Yavin, A.I. Decay modes of analog states studied by the (^{3}He, dp) reaction 9—67702
Finkel', V.M., Fedorov, V.A., Plotnikov, V.P. Kinetics of twinning and Rose channel formation in zinc 9—60378
Finkel', V.M., Korolev, A.P., Savel'ev, A.M., Fedorov, V.A. Influence of twins on crack nucleation in Fe+3.25% Si during intense accompanying slip 9—100239
Finkel, V.M., Savel'ev, A.M., Korolev, A.P. Influence of temperature on the formation of twins in silicon iron 9—51116
Finkel', V.M. *see* Fedorov, V.A. 9—79073
Finkelmann, H., Stegemeyer, H. Temperature dependence of the intrinsic pitch in induced cholesteric systems 9—64984
Finkelmann, H. *see* Wendorff, J.H. 9—69025
Finkel'shtein, A.M. *see* Brumberg, V.A. 9—80209
Finkel'shtein, A.M. *see* Dravskikh, A.F. 9—80205, 9—101082
Finkel'shtein, L.D. *see* Gribov, I.V. 9—69905
Finkelstein, D. Holistic methods 9—49369
Finkelstein, M.A. *see* Hood, D.C. 9—79557
Finkelstein, R. A simple approach to supergravity 9—63114
Finken, K.H. Comments on the spectroscopic analysis of a high-density plasma 9—98980
Finkenthal, M. *see* Breton, C. 9—80700
Finklea, H.O., Murray, R.W. Chemically modified electrodes. XII. Effects of silanization on titanium dioxide electrodes 9—96364
Finkman, E., Nemirovsky, Y. Infrared optical absorption of $Hg_{1-x}Cd_xTe$ 9—91418
Finlay, B.L., Schneps, S.E., Schneider, G.E. Orderly compression of the retinotectal projection following partial tectal ablation in the newborn hamster 9—74656
Finlay, J.B., Repo, R.U. Energy absorbing ability of articular cartilage during impact 9—92254
Finlay, R.W., Rapaport, J., Brown, V.R., Madsen, V.A., Comfort, J.R. Isovector deformation parameters and core polarization 9—67642
Finlayson, D.M., Irvine, J., Peterkin, L.S. Electrical conduction in CdSe near the metal-insulator transition 9—73550
Finlayson-Pitts, B.J., Kleindienst, T.E. The reaction of hydrogen atoms with ozone: evidence for a second reaction path producing HO_2 and $O(^3P)$ 9—70317
Finley, D.A., Ditzler, W.R., Johnson, O.E., Loeffler, F.J., Shibata, E., Akerloff, C.W., Alley, P., Fabrizio, R., Koltick, D., Meyer, D.I., Thun, R., Bintinger, D., Loveless, R.L., Lundy, R.A., Stanfield, K.C., Yovanovitch, D.D. Two-particle quantum-number correlations in 400-GeV/c proton-nucleus collisions 9—49625
Finley, D.A., Ditzler, W.R., Johnson, O.E., Loeffler, F.J., Shibata, E., Akerlof, C.W., Alley, P., Fabrizio, R., Koltick, D., Meyer, D.I., Thun, R., Bintinger, D., Loveless, R.L., Lundy, R.A., Stanfield, K.C., Yovanovitch, D.D. Nucleon-number dependence of inclusive dihadron production in proton-nucleus collisions at 400 GeV/c 9—49626
Finley, D.S., Bowyer, S., Paresce, F., Malina, R.F. Continuous discharge Penning source with emission lines between 50 Å and 300 Å 9—50363
Finn, C.B.P. *see* Dawber, P.G. 9—56516
Finn, J.M. Stochastic behavior of particle orbits in field reserved geometries 9—60187
Finn, J.M., Sudan, R.N. Betatron resonance instabilities in axisymmetric field-reversed systems 9—68917
Finn, R. *see* Concus, P. 9—92936
Finn, S.P. *see* Hammelman, J.E. 9—89419
Finn, S.P. *see* Mosteller, R.D. 9—89475
Finn, T.G. *see* Champagne, L.F. 9—55115
Finnegan, T.F. *see* Holdeman, L.B. 9—56444
Finnemore, D.K., Verhoeven, J.D., Ostenson, J.E., Gibson, E.D., Sample, H.H. Critical currents for superconducting composites in the 1000-Å regime 9—78280
Finney, J.A. *see* Vincett, P.S. 9—95293
Finney, J.L. A procedure for the construction of Voronoi polyhedra 9—71236
Finney, J.L. *see* Bonissent, A. 9—60622
Finnie, I., Cooper, G.A., Berlie, J. Fracture propagation in rock by transient cooling 9—84236
Finnigan, J.J. *see* Mulhearn, P.J. 9—53422
Finnigan, J.J. *see* Sheih, C.M. 9—68688, 9—70476
Finogenov, G.N. *see* Gunyaev, G.M. 9—87699
Finstad, T.G., Nicolet, M.-A. Silicide formation with bilayers of Pd-Pt, Pd-Ni, and Pt-Ni 9—51444
Finston, H.L. *see* Bauman, S.E. 9—100470
Finsy, R., Peetermans, J., Lekkerkerker, H. Motility evaluation of human spermatozoa by photon correlation spectroscopy 9—92440
Fintz, P., Guillaume, G., Jundt, F.C., Jones, K.W., Johnson, B.M. Impact-parameter dependence of K- and L-X-rays produced in Ar-Al and Ar-Sn collisions 9—76501
Fintz, P., Riedinger-Ordonez, I., Guillaume, G., Jundt, F., Gallmann, A. Lifetimes of ^{53}Mn levels excited by the ^{50}Cr(α,pγ)^{53}Mn reaction 9—67711
Fintz, P. *see* Guillaume, G. 9—67627
Finzi, G., Fronza, G., Rinaldi, S., Zannetti, P. Modelling and forecast of the dosage population product in Venice 9—57546
Finzi, G. *see* Zannetti, P. 9—57540
Fiocco, G. *see* Mugnai, A. 9—58045
Fiordilino, E. *see* Ferrante, G. 9—94081
Fiore, E.M. *see* De Leo, R. 9—89304
Fiore, G.D., Depresseux, J.-C., Bartsch, P., Quaglia, L., Peters, J.-M. Determination of the optimum flow for the cyclotron production of radioactive gas carrying off a gaseous target 9—76252
Fiorella, O. *see* Oliveri, E. 9—76154
Fiorentini, A., Maffel, L., Pirchio, M., Spinelli, D. An electrophysiological correlate of perceptual suppression in anisometropia 9—53105
Fiorentini, G. *see* Bracci, L. 9—55007, 9—85319
Fiorenza, M. *see* Donati, D. 9—83019
Fiori, G. *see* Bianchi, G. 9—66199
Fiorillo, F. *see* Celasco, M. 9—60939
Fiorini, E. *see* Armenise, N. 9—67536, 9—93398
Fiorini, P. *see* Ceresara, S. 9—96055
Fiorini, P. *see* Wecker, C. 9—75623, 9—95802
Fiorio, R.A. *see* Gangulee, A. 9—77936

Fiorito, R. *see* Madiogosky, W. 9—72734
Fiory, A.T. A review of studies of magnetism and magnetic materials by means of the μSR technique 9—56660
Fiory, A.T. Analysis of μSR linewidths for μ^+ diffusion studies with Laplace transform parameters 9—56691
Fiory, A.T., Hebard, A.F., Minnich, R.P. The RF resistivity of a perforated superconducting film in a magnetic field 9—56471
Fiory, A.T. *see* Brown, J.A. 9—56685
Fiory, A.T. *see* Heffner, R.H. 9—56686
Fiory, A.T. *see* Kossler, W.J. 9—56665, 9—56697
Firak, J. *see* Dubik, A. 9—50873
Fireman, E.L., Rancitelli, L.A., Kirsten, T. Terrestrial ages of four Allan Hills meteorites. Consequences for Antarctic ice 9—88631
Firestone, R.B. *see* Walker, P.M. 9—93489
Firestone, R.F., Oka, T., Takao, S., Beno, M.F. Analytic form laws for the absorption of light from a continuum source by isolated Lorentzian lines in the spectrophotometric monitoring of fast reactions of excited atoms 9—52667
Firestone, R.F. *see* Mon-Chao Chen 9—54940
Firk, F.W.K. Neutron time-of-flight spectrometers 9—72179
Firmani, C., Bisiacchi, G.F., Carrasco, L., Costero, R. Supernovae and runaway stars 9—53812
Firmani, C., Koenigsberger, G., Bisiacchi, G.F., Ruiz, E., Solar, A. Remarks on WR stars and supernovae 9—53830
Firment, L.E., Somorjai, G.A. Low energy electron diffraction studies of the surfaces of molecular crystals (ice, ammonia, naphthalene, benzene) 9—77879
Firment, L.E., Somorjai, G.A. Low energy electron diffraction studies of the surfaces of molecular crystals (ice, ammonia, naphthalene, benzene) 9—86969
Firpo, J.L. *see* Dupin, J.J. 9—56041
Firpo, J.-L. *see* Lin, M. 9—99395
Firschein, O., Fischler, M.A. Association algorithms for digital imagery 9—72523
Firsoff, V.A. On some problems of Venus 9—70977
Firsov, M.I. *see* Domashevskaya, E.P. 9—99984
Firsov, M.N. *see* Domashevskaya, E.P. 9—64044
Firsov, N.N. *see* Kirillov, S.K. 9—62284
Firsov, N.T. *see* Osipova, L.P. 9—72663
Firsov, V.G. *see* Barsov, S.G. 9—87370
Firsov, V.G. *see* Gordeev, V.A. 9—56675
Firsov, Yu.A. *see* Prigodin, V.N. 9—51560, 9—78253
First, F. *see* Romeo, N. 9—95483
Firth, B.A. *see* van de Ven, T.G.M. 9—77315
Firth, L., Newton, A.A. Vacuum developments for fusion plasma experiments 9—63260
Firtsak, Yu.Yu. *see* Luksha, O.V. 9—86712
Fisch, N. *see* Arafa, A. 9—62045
Fischbach, D.B., Gilbert, D.W. Diamagnetic characterization of carbon fibres from pitch mesophase, pitch and polyacrylonitrile 9—69649
Fischbach, E. *see* Hai-yang Cheng 9—63559
Fischbach, E. *see* Kayser, B. 9—89144
Fischbach, J.U. *see* Ruhle, W. 9—60761
Fischbach, P.E. *see* Matlin, R.W. 9—70442
Fischbach, U. *see* Kohlmaier, G.H. 9—53414
Fischbeck, H.J., Strehlow, R. Single-site theory of Wannier excitons in disordered semiconductors. I. General considerations 9—99486
Fischbeck, H.J. *see* Renfro, G.M. 9—95908
Fischer, A. Plastic deformation of Si single crystal 9—52316
Fischer, A. A simple scheme for describing the motion of dislocations in silicon 9—65259
Fischer, A. *see* Ploog, K. 9—56289, 9—77943
Fischer, B., Klein, M.W. Strain defects in alkali halides: a heuristic model for glasses 9—82245
Fischer, B. *see* Bohm, K. 9—99926
Fischer, B. *see* Hammer, J.W. 9—54736
Fischer, B. *see* Kruger, J. 9—57651
Fischer, C., Jacquiot, P., Koutchouk, J.-P., Lemeilleur, F., Lewis, D., Myers, S., Neet, D., O'Hanlon, H., Risselada, T., Vos, L. Performance of the CERN ISR at 31.4 GeV 9—68003
Fischer, C.F. Oscillator strengths for some D-F transitions in the Mg sequence 9—54809
Fischer, C.F., Hansen, J.E. $4s4d^1D$-$4p^21D$ interaction in the Zn I isoelectronic sequence 9—76351
Fischer, C.L. *see* Gill, C.W. 9—74777
Fischer, C.O. *see* Riekel, C. 9—90612
Fischer, D.A. *see* Shevchik, N.J. 9—68164
Fischer, D.A. *see* Strozier, A., Jr. 9—61903
Fischer, E.W. Studies of structure and dynamics of solid polymers by elastic and inelastic neutron scattering 9—51009
Fischer, F. A simple model for photo-induced polarization 9—56714
Fischer, F., Wild, R.L. Demonstration of reduced gas pressure in a centrifugal field 9—58491
Fischer, G. A reliable hot filament connection 9—63273
Fischer, G., Hill, A.E., Colligon, J.S. Construction of a simple low-energy high-intensity gas ion source with a multiaperture extractor system 9—54217
Fischer, G., Hoffmann, H. Investigation of the quantum size effect and its temperature dependence by means of tunnelling spectroscopy 9—91160
Fischer, G., Jakobson, S. Band intensities in the absorption spectrum of benzene vapour 9—81212
Fischer, G. *see* Besnus, M.J. 9—51817
Fischer, G. *see* Brunk, W. 9—68080
Fischer, G. *see* Edelmann, J. 9—96240
Fischer, G.E. *see* Johnson, J.R. 9—63838
Fischer, H. Muon spin rotation in free radical chemistry 9—57209
Fischer, H., Haering, K.H. Plasma development in the accelerator of a 2-kJ focus discharge 9—82076
Fischer, H. *see* Dabkiewicz, P. 9—49576
Fischer, H. *see* Graff, K. 9—74521
Fischer, H. *see* Roduner, E. 9—55004, 9—57276
Fischer, H.G. *see* Abrams, G.S. 9—89174
Fischer, H.G. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Fischer, H.M. *see* Brandelik, R. 9—63491, 9—93441
Fischer, J., Hofmann, H., Luft, G., Wendt, H. Fundamentals and technological aspects of medium temperature (MT) high pressure (HP) water electrolysis 9—74398
Fischer, J. *see* Walenta, A.H. 9—54743
Fischer, J.A., McWhorter, J.G. The microzonation of New York State. Progress report no.2 9—88275
Fischer, J.A., Spiker, C.T. Preliminary microzonation of the Baltimore Canyon lease area 9—84183
Fischer, J.E. *see* Basu, S. 9—74108
Fischer, J.E. *see* Hastings, J.B. 9—65189
Fischer, J.E. *see* Onn, D.G. 9—95405
Fischer, J.W., Downey, R.M., Schrawyer, L.R., Meisenheimer, R.G. Microcomputer automation of the sample probe of an ESCA spectrometer 9—58846
Fischer, K.-E. Atmospheric influences on the millimeter and submillimeter wave propagation 9—84466
Fischer, K.H. Thermopower of dilute magnetic alloys 9—65455
Fischer, K.H. On the electrical resistivity of spin glasses 9—78090
Fischer, L.J., Thies, R.L., Charkowski, D. High performance liquid chromatographic separation of insulin, glucagon, and somatostatin 9—74450
Fischer, L.S. *see* van Koppen, C.W.J. 9—57488
Fischer, M.C. *see* Burgoon, R. 9—54107
Fischer, O., Decroux, M. The high critical field Chevrel phases 9—61003
Fischer, O. *see* Chevrel, R. 9—65056
Fischer, O. *see* Decroux, M. 9—56460
Fischer, O. *see* Flukiger, R. 9—82729
Fischer, O. *see* Ishikawa, M. 9—65653
Fischer, O. *see* Majkrzak, C.F. 9—99685
Fischer, O. *see* Manuel, A.A. 9—65359, 9—82515
Fischer, O. *see* Thomlinson, W. 9—78320
Fischer, P. *see* Didisheim, J.-J. 9—73334
Fischer, R., Dobiasch, H., Haesner, B., Klages, H.O., Maschuw, R., Schwarz, P., Zeitnitz, B. Neutron analyzing power in the reaction $n+d \rightarrow n_1+n_2+p$ 9—71835
Fischer, R. *see* Beyer, W. 9—69142, 9—73537
Fischer, R. *see* Cha Ik Chang 9—77813
Fischer, R. *see* Klages, H.O. 9—75965
Fischer, R. *see* Rehm, W. 9—99939
Fischer, R.E. *(editor)* Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol.147. Computer-Aided Optical Design 9—86228
Fischer, S., Marom, G., Tuler, F.R. Hybrid effects in composites: a comparison between interlaminar and translaminar configurations 9—52351
Fischer, S. *see* Davis, D.D. 9—62559
Fischer, S. *see* Vakulov, P.V. 9—80069
Fischer, S.F. *see* Zygan-Maus, R. 9—89747
Fischer, Th., Hammel, G., Hurster, W., Kern, K., Kettle, R., Kleinschmidt, M., Lehmann, L., Rossle, E., Schmitt, H. Backward elastic nd-scattering in the energy range 350-550 MeV 9—75782
Fischer, Th. *see* Hurster, W. 9—67571, 9—75784
Fischer, Th. *see* Kleinschmidt, M. 9—75785
Fischer, T.A. *see* Quick, C.R., Jr. 9—57254
Fischer, T.A. *see* Tiee, J.J. 9—89927
Fischer, T.E. *see* Kelemen, S.R. 9—79292, 9—99420
Fischer, T.M., Stohr-Liesen, M., Schmid-Schonbein, H. The red cell as a fluid droplet: tank tread-like motion of the human erythrocyte membrane in shear flow 9—74711
Fischer, U. *see* Altenbach, J. 9—50602
Fischer, W., Geiger, H., Wissmann, P. Comments on 'LEED-AES study of the Au-Si(100) system' by K. Oura and T. Hanawa 9—99452
Fischer, W., Schutte, A. The operation of measuring and control systems of the Biblis Nuclear Power Station 9—97819
Fischer-Defoy, D. *see* Hausman, K. 9—100800
Fischer-Hjalmars, I. *see* Dubrovskiy, G.V. 9—49412
Fischl, R. *see* Herczfeld, P.R. 9—62127
Fischler, M. Finiteness calculations for O(4) through O(8) extended supergravity and O(4) supergravity coupled to self-dual O(4) matter 9—97282
Fischler, M. *see* Carmeli, M. 9—85228
Fischler, M.A. *see* Firschein, O. 9—72523
Fischler, W., Kogut, J., Susskind, L. Quark confinement in unusual environments 9—49468
Fischler, W. *see* Bhanot, G. 9—80797
Fischman, E. A second 'original' first page of Rontgen's manuscript 'Ueber eine neue Art von Strahlen' 9—71214
Fischmeister, H.F., Arzt, E., Olsson, L.R. Particle deformation and sliding during compaction of spherical powders: a study by quantitative metallography 9—66020
Fish, G.E., Rhyne, J.J., Sankar, S.G., Wallace, W.E. Effect of hydrogen on sublattice magnetization of Laves phase rare earth iron compounds 9—78327
Fish, G.I. *see* Chekanova, L.A. 9—73104
Fishbeyn, G.A., Abramson, B.M. Heat and mass transfer with chemical reaction during motion of a gas bubble in a power-law fluid 9—77227
Fishchuk, I.I., Rudko, V.N. On theory of the Hall and Faraday effects in disordered systems of two-level atoms 9—51601
Fishel, D.L. *see* Neubert, M.E. 9—90540
Fisher, A. *see* Affinito, D. 9—90481
Fisher, A. *see* Burkhalter, P.G. 9—94816
Fisher, A. *see* Mako, F. 9—76169
Fisher, A.D., Warde, C. Simple closed-loop system for real-time optical phase measurement 9—63302
Fisher, A.D. *see* Warde, C. 9—72714
Fisher, A.M. *see* Alekseev, N.E. 9—64236
Fisher, C.H., Center, R.E., Mullaney, G.J., McDaniel, J.P. A 490-nm XeF electric discharge laser 9—89890
Fisher, D.A. *see* Bloor, D. 9—73922
Fisher, D.G., Olsen, G.H. Properties of high sensitivity $GaP/In_xGa_{1-x}P/GaAs$:(Cs-O) transmission photocathodes 9—78832
Fisher, D.S. *see* Cross, M.C. 9—61135
Fisher, D.W. *see* Pearson, F.J., Jr. 9—66718
Fisher, E.M.R. *see* Cambray, R.S. 9—79997
Fisher, E.S. *see* Ahlberg, L.A. 9—74192
Fisher, E.S. *see* Katahara, K.W. 9—61639
Fisher, E.S. *see* Smith, H.G. 9—95116
Fisher, E.S. *see* Wall, B.F. 9—92375
Fisher, F.H., Squier, E.D. Laser sand detector 9—58109
Fisher, G.A. *see* Ventura, E. 9—63650
Fisher, G.B. Photoemission studies of H_2S, H_2, and S adsorbed on Ru(110): evidence for an adsorbed SH species 9—78834
Fisher, G.B. Photoemission studies of H_2S, H_2 and S adsorbed on Ru(110): evidence for an adsorbed SH species 9—99424
Fisher, J. *see* Shaw, A. 9—96687
Fisher, L.M. *see* Vas'kin, V.V. 9—87122
Fisher, L.R. An experimental study of the Washburn equation for liquid flow in very fine capillaries 9—64767
Fisher, M. *see* Jalenak, W.A. 9—83491
Fisher, M. *see* Nogar, N.S. 9—74474
Fisher, M.E., Au-Yang, H. Inhomogeneous differential approximants for power series 9—92919
Fisher, M.E., Sarbach, S. Nonuniversality in magnetic tricriticality 9—78392
Fisher, M.E. *see* Caginalp, G. 9—49182
Fisher, M.E. *see* Selke, W. 9—95598
Fisher, M.J. *see* Herczfeld, P.R. 9—56264
Fisher, M.J. *see* Lau, J.C. 9—77307
Fisher, P. *see* Martin, A.D. 9—99915
Fisher, P.S. *see* Butylkin, V.S. 9—94285
Fisher, R.A., Feldman, B.J. On-resonant phase-conjugate reflection and amplification at 10.6 μm in inverted CO_2 9—64275
Fisher, R.M. *see* Shirley, C.G. 9—60236
Fisher, S.B., Miller, K.M., White, R.J. The calculation of cavity growth in irradiated metals under stress 9—73211
Fisher, S.B., White, R.J., Harbottle, J.E. The effect of stress on the incubation and growth of voids 9—51147
Fisher, S.B., White, R.J., Miller, K.M. Quantitative analysis of void swelling in pure copper 9—99206
Fisher, S.B. *see* White, R.J. 9—73207, 9—73215
Fisher, S.S. SF_6 condensation in supersonic nozzle expansions 9—77211
Fisher, S.V. *see* Patterson, R.P. 9—83959
Fisher, T.R. *see* Pronko, J.G. 9—76280
Fishman, A.I. *see* Remizov, A.B. 9—91443, 9—91444
Fishman, A.Ya. *see* Ivanov, M.A. 9—69477
Fishman, B.D. *see* Vyaz'mina, T.M. 9—56941
Fishman, C., Ghosh, A.K., Feng, T. Stability of SnO_2/n-Si solar cells 9—52936
Fishman, C. *see* Feng, T. 9—52931, 9—96446
Fishman, C. *see* Ghosh, A.K. 9—83598
Fishman, F. Surface spin waves in the superfluid A phase of ^3He 9—86955
Fishman, G. *see* Sermage, B. 9—99898
Fishman, K.K. *see* Spasskii, M.N. 9—79008
Fishman, L. *see* An, S.C. 9—69851
Fishman, M.L. *see* Ishchenko, A.D. 9—77312

Fishman, S., Aharony, A. Phase diagrams and multicritical points in randomly mixed magnets. II. Ferromagnet-antiferromagnet alloys 9—73756
Fishman, S. *see* Mikulinsky, M. 9—56274
Fishman, V.M. *see* Braginskiy, S.I. 9—57847
Fishpool, R.M. *see* Stretton, A.O.W. 9—92208
Fishtein, B.M., Kem, A.Yu. Determination of the crack propagation energy in impact bending of coated materials 9—66162
Fisk, L.A. *see* Gloeckler, G. 9—70938
Fisk, L.A. *see* Ipavich, F.M. 9—58198
Fisk, R.J. *see* Jostlein, H. 9—89310
Fisk, Z., Johnston, D.C., Cornut, B., von Molnar, S., Oseroff, S., Calvo, R. Magnetic, transport, and thermal properties of ferromagnetic EuB_6 9—73738
Fisk, Z. *see* Hamaker, H.C. 9—82730
Fisk, Z. *see* Matthias, B.T. 9—78248
Fisk, Z. *see* Webb, G.W. 9—99675
Fiske, C. *see* Clarke, I.C. 9—83832
Fiske, M.D. *see* Fleischer, R.L. 9—53574
Fiskind, E.E. *see* Gerashchenko, O.A. 9—93136
Fiskind, E.E. *see* Gudkin, T.S. 9—70454
Fisson, S. *see* Nguyen Van, V. 9—78779
Fistul', M.V. *see* Aslamazov, L.G. 9—99661
Fistul', V.I., Yakovenko, A., Shelonin, E.A. Anelastic relaxation in copper-doped germanium 9—65143
Fistul', V.I. *see* Andrianov, D.G. 9—51880, 9—73672
Fistul', V.I. *see* Rytova, N.S. 9—51134
Fiszdon, J.K. Melting of powder grains in a plasma flame 9—60200
Fitaire, M. *see* Auphelle, D. 9—89889
Fitch, R.K. Experiences with a small ultra-high vacuum ion pumped system in undergraduate and postgraduate courses 9—62981
Fitch, R.K., Venkatesh, S. Comparison of the McClure and McIlraith type ion sources 9—67429
Fitch, W.S., Wisniewski, W.Z. Tidal effects in pulsating stars. III. $l=1p_5$-modes in the ellipsoidal variable 14 Aurigae A 9—97028
Fitchard, A. *see* Reading, J.F. 9—89778
Fitchard, E.E. Proposed experimental test of wave packet reduction and the uncertainty principle 9—84979
Fitterman, D.V. *see* Towle, J.N. 9—62605
Fitting, H.-J., Glaefeke, H., Wild, W. Creation energies for secondary electrons [SEM applications] 9—99994
Fitting, H.-J., Glaefeke, H., Wild, W., Franke, M., Muller, W. Electron beam induced charge transport in SiO_2-layers 9—51702
Fittipaldi, I.P. *see* Brady Moreira, F.G. 9—78388
Fitz, D.E., Brumer, P. Geometric effects on complex formation in collinear atom-diatom collisions 9—87821
Fitz, D.E. *see* Liu, W.-K. 9—86556
Fitze, H.R. *see* Benz, A.O. 9—88635
Fitzgerald, A.G., Storey, B.E. Modification of an EM6G electron microscope for X-ray microanalysis 9—74470
Fitzgerald, D.H. *see* Court, G.R. 9—63832
Fitzgerald, D.H. *see* Sadler, M.E. 9—85328
Fitzgerald, J.P. Proportional temperature controller 9—75515
Fitzgerald, J.W. *see* Bragg, D.A. 9—70665
Fitzgerald, J.W. *see* Schweitzer, T.W. 9—88071
Fitzgerald, M.C., Hanna, F.K., Taylor, D.J.E. The use of a microprocessor in routine cardiac assessment 9—83962
Fitzgerald, M.P., Boudreault, R., Fich, M., Luiken, M., Witt, A.N. The open clusters Pismis 6 and 8, and Wat 6 9—88712
Fitzgerald, M.P., Luiken, M., Maitzen, H.M., Moffat, A.F.J. Analysis of the results of MK classification of 176 stars in 37 southern open clusters 9—88644
Fitzgerald, M.P. *see* Grayzeck, E.J. 9—58387
Fitzgerald, T. *see* Entine, G. 9—49351
Fitzgerald, W.J. *see* Bouillot, J. 9—69213
Fitzgerald, W.J. *see* Lottner, V. 9—55852, 9—99186
Fitzhenry, B. Identification of a charging mechanism using infrared spectroscopy 9—74389
Fitzl, G. *see* Butter, E. 9—90909
Fitzpatrick, B.J., Bhargava, R.N., Herko, S.P., Harnack, P.M. Near band-edge luminescence in ZnSe grown from gallium solution 9—69881
Fitzpatrick, B.J. *see* Kosai, K. 9—99572
Fitzpatrick, G.L. Seismic imaging by holography 9—66831
FitzPatrick, J. *see* Breckenridge, W.H. 9—68304
Fitzpatrick, P.M. *see* Hoots, F.R. 9—84651
Fitzsimmons, W.A. *see* Lawler, J.E. 9—81410
Fiveiskii, Yu.D. *see* Golubev, S.G. 9—55167
Fix, J.D. Outbursts in the main line OH emission from U Orionis 9—101158
Fixman, M. The Poisson-Boltzmann equation and its application to polyelectrolytes 9—77483
Fjaer, E. *see* Samuelsen, E.J. 9—82330
Fjallbrant, T. Data reduction of sampled speech signals: method and results 9—81648
Fjordboge, B.R. *see* Clarke, J. 9—95548
Flachsbart, H. *see* Monig, F.J. 9—92004
Flack, H.D., Vincent, M.G., Vincent, M.G. Intensity errors due to beam inhomogeneity and imperfectly spherical crystals 9—99029
Flack, R.D., Jr. Static pressure hole errors in transonic flow with pressure gradients 9—94645
Flack, R.D., Jr., Witt, C.L. Velocity measurements in two natural convection air flows using a laser velocimeter 9—82016
Flahaut, J., Laruelle, P., Guittard, M., Jaulmes, S., Julien-Pouzol, M., Lavenant, C. Ternary sulphides of europium and tin, containing europium in the valence states II and III 9—86757
Flahaut, J. *see* Alapini, F. 9—78946
Flahaut, J. *see* Barnier, S.B. 9—99080
Flahaut, J. *see* Dogguy, M. 9—52182
Flahaut, J. *see* Fourcroy, P.H. 9—66047
Flahaut, J. *see* Houenou, P. 9—83180
Flaherty, F.J., Kerlick, G.D. Inhomogeneous local gauge transformations in spacetimes with torsion 9—71330
Flaherty, J.M., Powell, R.C. Concentration quenching in $Nd_xY_{1-x}P_5O_{14}$ crystals 9—61435
Flak, H. *see* Hoffmann, E. 9—86227
Flake, R.H. *see* Olufeagba, B.J. 9—57521
Flaksman, Ya.Sh. *see* Kuznetsov, Yu.E. 9—94652
Flambaum, V.V. *see* Skovpen, Yu.I. 9—76525
Flament, G., Moreaux, F., Beck, G. Film boiling instability at high temperature on a vertical cylinder quenched in a subcooled liquid 9—86322
Flament, G., Moreaux, F., Martin, M. Heating instability: propagation of wetting front 9—77108
Flament, J.B. *see* Rives, J. 9—92340
Flament, J.M. *see* Houdas, Y. 9—62323
Flaming, D.G., Brown, K.T. Effects of calcium on the intensity-response curve of toad rods 9—53091
Flaming, D.G. *see* Brown, K.T. 9—79531
Flaminio, V., Graf, I.F., Hansen, J.D., Moorhead, W.G., Morrison, D.R.O. Compilation of cross-sections. I. π^- and π^+ induced reactions 9—89187
Flamm, D.L. *see* Smolinsky, G. 9—96297
Flamme, J.P. *see* Rulmont, A. 9—69836, 9—69837
Flanagan, C.A. *see* Roberst, M. 9—71959
Flanagan, M. Color multiplexing on an optical fiber 9—72677
Flanagan, T.B. Enthalpy and entropy changes for non-stoichiometric hydride formation 9—52741
Flanagan, T.B., Clewley, J.D. Hydrogen isotopic solubility ratios in palladium alloys 9—99325
Flandern, T.C.Van *see* Van Flandern, T.C.
Flanders, B. *see* Bonche, P. 9—93676
Flanders, D.C. *see* Geis, M.W. 9—95277
Flanders, P.J. *see* Basu, S. 9—74108
Flandrois, S., Choukroun, M.L., Delhaes, P., Giuntini, J.C., Jullien, D., Zanchetta, J.V. First order phase transition in methyldiethylcyclohexylammonium (MDCA) (TCNQ) 9—73122
Flannery, B.P., Press, W.H. An ionization-coupled acoustic instability of the interstellar medium 9—97044
Flannery, B.P., Rybicki, G.B., Sarazin, C.L. Ultraviolet pumping of N^+ fine-structure levels 9—53871
Flannery, B.P. *see* Sarazin, C.L. 9—70947
Flannery, M., Loh, E., Jr., Sparks, M. Nearly perfect multilayer dielectric reflectors: theory 9—72644
Flannery, M. *see* Sparks, M. 9—89984
Flannery, M.R., McCann, K.J. Semiquantal treatment of excited-atom-excited-atom collisions 9—81270
Flannery, M.R. *see* McCann, K.J. 9—68320
Flanz, J.B. *see* Peterson, G.A. 9—49891
Flasar, F.M. *see* Pollack, J.B. 9—84717
Flat, A., Milnes, A.G. The potential of np GaAs solar cells for high efficiency concentrator applications 9—100534
Flatte, S.M. *see* del Papa, C. 9—49528
Flatte, S.M. *(editor)* Sound transmission through a fluctuating ocean 9—86286
Flaud, J.M. *see* Barbe, A. 9—64001
Flaud, J.M. *see* Malathy Devi, V. 9—98079
Flaud, J.-M., Camy-Peyret, C., Narahari Rao, K., Chen, D.-W., Hoh, Y.-S., Maillard, J.-P. Spectrum of water vapor between 8050 and 9370 cm^{-1} 9—72308
Flaud, P., Geiger, D., Oddou, C. Influence of nonlinear viscoelasticity on the pulsed flow application to the course of blood artery flow [measurement methods] 9—66587
Flauger, W. A fast multiplicity unit with cluster logic 9—49914
Flauger, W. A fast programmable coincidence matrix 9—97961
Flavin, J.N. Concerning elastic cylinders bonded to rigid end plates 9—76976
Flavin, R.K. Earth-space path rain attenuation at 11 and 14 GHz—Darwin, Australia [satellite communications] 9—62541
Flax, S.W., Webster, J.G., Updike, S.J., Uehling, U.T. Analogue computer model of a kidney during preservation 9—83724
Fleck, C.M., Ruppert, E. Examination of a core for failed fuel elements 9—85622
Fleck, C.M., Weber, G., Ruppert, E. On the most favourable construction of tag systems 9—85627
Fleck, E.W. *see* Williams, J.B. 9—100570
Fleck, J.A., Jr. *see* Edwards, A.L. 9—90368
Fleck, J.A., Jr. *see* Feit, M.D. 9—98465
Fleer, R., Rickel, J., Draugelates, U. Metallographic detection of carbides in the steel X 41 CrMoV 5 1 after different austenizing processes 9—91884
Fleet, M.E., Herzberg, C.T., Bancroft, G.M., Aldridge, L.P. Omphacite studies. I. The P2/n—C2/c transformation 9—65183
Fleet, M.E. *see* Aldridge, L.P. 9—65771
Fleeter, S., Riffel, R.E. Time-variant aerodynamics of oscillating airfoil surfaces in a supersonic flowfield 9—77167
Flegel, W. *see* Jonker, M. 9—93399
Flegontov, I.V. *see* Zinnatullin, N.Kh. 9—77097
Fleisch, T. *see* Winogard, N. 9—78810
Fleischer, J. *see* Fabricius, K. 9—67573
Fleischer, M. Relation of the relative concentrations of lanthanides in titanite to type of host rocks 9—62492
Fleischer, R.L. Where do nuclear tracks lead? 9—97934
Fleischer, R.L., Fiske, M.D., Hart, H.R., Jr., Likes, R.S., Mogro-Campero, A. Radon measurements using the nuclear track technique 9—53574
Fleischer, R.L., Mogro-Campero, A. Radon enhancements in the Earth: evidence for intermittent upflows? 9—74893
Fleischhauer, J. *see* Lueken, H. 9—87227
Fleischhauer, J. *see* Schleker, W. 9—54771
Fleischman, R.C. *see* Holt, J.G. 9—81121
Fleischmann, H.H. *see* Lovelace, R.V. 9—64894
Fleischmann, H.H. *see* Tuszewski, M. 9—82089
Fleisher, L.L., Stolyarova, T.A. Automatic measurement of electrical energy in high-temperature calorimeters 9—71451
Fleisher, S.M., Shwedyk, E. Sequential multistate EMG signal processor 9—100763
Flem, G.Le *see* Le Flem, G.
Fleming, D.G., Garner, D.M., Brewer, J.H., Mikula, R.M. Reaction dynamics of the Mu atom using surface muons in the gas phase 9—57274
Fleming, D.G. *see* Camani, M. 9—56692
Fleming, D.G. *see* Jean, Y.C. 9—57275, 9—100422
Fleming, D.G. *see* Mikula, R.J. 9—57272
Fleming, D.G. *see* Nishida, N. 9—56664, 9—56687
Fleming, D.G. *see* Walker, D.C. 9—70358
Fleming, G.N. Dynamical spin spreading of unstable particles in four models 9—54003
Fleming, H.E. *see* McMillin, L.M. 9—80011
Fleming, H.S. *see* Feden, R.H. 9—88313
Fleming, J.S. *see* Karran, S.J. 9—79636
Fleming, J.W. *see* Cohen, L.G. 9—76817
Fleming, R. *see* Kim, K.C. 9—68227
Fleming, R.M., Grimes, C.C. Sliding-mode conductivity in $NbSe_3$: Observation of a threshold electric field and conduction noise 9—60808
Fleming, R.P.H. Dispersion strengthened nickel base alloys for high temperature use 9—91658
Fleming Gordon, A. *see* Steele, C.R. 9—92275
Flemings, M.C. *see* Braun, T.B. 9—83205
Flemings, M.C. *see* Kou, S. 9—52196
Flemings, M.C. *see* Lux, A.L. 9—61536, 9—61537
Flemmer, A. *see* Virnich, K.H. 9—86735
Flemons, R.S. *see* Crosthwaite, J.L. 9—93704
Flerackers, E.L.M. *see* Janssen, H.J. 9—75307
Flerov, G.N., Korotkin, Y.S., Ter-Akopian, G.M., Zvara, I., Oganessian, Y.T., Popeko, A.G., Chuburkov, Y.T., Chelnokov, L.P., Maslov, O.D., Smirnov, V.I., Gerstenberger, R. Results of the searches for superheavy nuclei in the Cheleken Penninsula goethermal waters [USSR] 9—96781
Flerov, I.N. *see* Iskornev, I.M. 9—65224
Flerov, M.N. *see* Pasechnik, V.I. 9—79564
Flerova, S.A. *see* Samchenko, Yu.I. 9—95804
Flesh, L.H. *see* Tatarczuk, J.R. 9—70620
Flesner, L.D. *see* Millea, M.F. 9—60910
Flessas, G.P. On the eigenvalues of the rotating harmonic oscillator 9—67184
Flessas, G.P. Exact solutions for a doubly anharmonic oscillator 9—84998
Fleszynski, J., Lutynski, B. Effect of impurities on the breakdown of insulating oil in long gaps 9—91359
Fleszynski, J., Zelek, A., Skowronski, J.I. Development of discharges in liquid nitrogen in non-uniform electrical field 9—91358
Fletcher, E. MIDAS—high-speed automatic surface inspection of steel billets 9—83420
Fletcher, E.A. Solar energy storage as hydrogen from bromine from hydrogen bromide 9—57470
Fletcher, G.C., Yahaya, M. The electronic Gruneisen parameter for the transition metals 9—82297
Fletcher, G.C. *see* Yahaya, M. 9—77994
Fletcher, J.M. *see* Hans, E.M. 9—53852
Fletcher, J.M. *see* Morbey, C.L. 9—75198
Fletcher, J.R. *see* Challis, L.J. 9—60441
Fletcher, M. *see* Smolinski, J. 9—80308
Fletcher, N.H. Excitation mechanisms in woodwind and brass instruments 9—90099

Fletcher, N.H., Thwaites, S. Wave propagation on an acoustically perturbed jet 9—81592
Fletcher, N.H., Thwaites, S. Acoustical analysis of the auditory system of the cricket Teleogryllus commodus (Walker) 9—92226
Fletcher, N.R. *see* Frawley, A.D. 9—67731
Fletcher, N.R. *see* James, D.R. 9—93592
Fletcher, R., Stinson, M.R. The high field thermomagnetic coefficients of potassium 9—60800
Fletcher, R. *see* Bass, J. 9—65452
Fletcher, R. *see* Stinson, M.R. 9—60789
Fletcher, R. *see* Thaler, B.J. 9—69496
Fletcher, R.C., Sherwin, J.-A. Arc lengths of single layer folds: a discussion of the comparison between theory and observation 9—53345
Fletcher, S., Barradas, R.G., Porter, J.D. The anodic oxidation of copper amalgam and polycrystalline copper electrodes in LiOH solution 9—61865
Fletterick, R.J. *see* Sprang, S. 9—83696
Fleuret, J., Maitre, H., Thery, J.F. Analysis of the diffraction spectrum of a population of particles 9—86130
Fleury, A., Cornec, J.P. Study of the plasmaspheric content and scintillations deduced from signals received from ATS-6 at Lannion 9—58184
Fleury, A. *see* Carjan, N. 9—67662
Fleury, G. *see* Viger, C. 9—87173
Fleury, P.A., Chiang, S., Lyons, K.B. Soft modes below the incommensurate transition in K_2SeO_4 9—91387
Fleury, P.A., Lyons, K.B. Anharmonic phonons and central peaks at structural phase transitions 9—95775
Flewitt, P.E.J. *see* Chastell, D.J. 9—74157
Flewitt, P.E.J. *see* Doig, P. 9—52416, 9—61784
Flewitt, P.E.J. *see* Stevens, R.A. 9—52271
Flicker, H. *see* Reisfeld, M.J. 9—63991
Flicker, W.M. *see* Frueholz, R.P. 9—68321
Flier, J. *see* Harrison, L.C. 9—88164
Flierl, G.R. A simple model for the structure of warm and cold core rings 9—57959
Fliess, H. The use of nickel oxide for glaze colours 9—91813
Fliessbach, T., Manakos, P. The reduced α-amplitude in an exactly solvable model 9—85387
Flietner, H. *see* Heilig, K. 9—60888
Flietner, H. *see* Litovchenko, V.G. 9—51680
Fliflet, A.W. *see* Levin, D.A. 9—89799
Fligier, G., Petela, R. The influence of some combustion substrate parameters on a premixed gaseous flame noise 9—74384
Flinn, E.A., Salehi, M. Secondary electron emission from vanadate-phosphate glasses 9—87534
Flinn, J.E., Weiner, R.A., Hofman, G.L. Fast-neutron swelling of type 304 stainless steels 9—67864
Flinn, J.E. *see* Moran, T.J. 9—93702
Flinn, P.A. Tin isomer shifts 9—87359
Flint, B.K. Special application coatings for the vacuum ultraviolet (VUV) 9—59788
Flint, C.D., Tanner, P.A. Luminescence spectrum of $Cs_2UO_2Cl_4$ 9—73983
Flint, J.H. *see* Danforth, S.C. 9—74119
Flint, R.W., Lorefice, G.J. Elutriate-primary productivity bioassays of dredge spoil disposal in Lake Erie 9—88016
Flint, S.J. Spliced viral messenger RNA 9—92175
Flis, J. Stress corrosion cracking of Armco iron in phosphate solutions 9—96184
Flis, J., Smialowski, M. Hydrogen embrittlement of polycrystalline iron whiskers 9—100259
Fliszar, S. Charge distributions and chemical effects. XXI. A new energy formula for molecules 9—89585
Flocard, H. Nuclear dynamics by self consistent methods: TDHF and ATDHF 9—67696
Flocard, H. *see* Blocki, J. 9—85433
Flocard, H. *see* Bonche, P. 9—93676
Flocard, H. *see* Kohler, H.S. 9—75888
Flocchini, G. *see* Elena, A. 9—100886
Flocchini, R.G. *see* Barone, J.B. 9—62579
Floch, A.Le *see* Le Floch, A.
Flock, W. *see* Friedrich, S. 9—70372
Flodstrom, S.A. *see* Bianconi, A. 9—69595, 9—73403
Flodstrom, S.A. *see* Martinson, C.W.B. 9—82462
Flohr, H., Holscher, H., Trockel, C. Cerebral energy metabolism and memory 9—74629
Flohrer, J., Jahne, E., Porsch, M. Energy levels of A and B excitons in wurtzite-type semiconductors with account of electron-hole exchange interaction effects 9—51494
Flood, P.G. *see* Orme, G.R. 9—84224
Flood, W.S. *see* Jackson, L.T. 9—76208
Flook, A.G. The use of dilation logic on the Quantimet to achieve fractal dimension characterisation of textured and structured profiles 9—58673
Floquet, M. Magnetic latitude of the metals in Ap stars 9—58341
Floquet, M. Spectral variations of the Ap star HD 216533. II. The oblique rotator model 9—101153
Flor, G., Marini, A., Berbenni, V. Kinetics of $BaBr_2.2H_2O$ dehydration: comparison between isothermal and non-isothermal methods 9—57227
Flor, G. *see* Margheritis, C. 9—82348
Flor, G. *see* Marini, A. 9—61859
Flor, G. *see* Massarotti, V. 9—61857
Flora, R. *see* Brindza, P. 9—68085
FLora, R.H., Tool, G.S. Doubler-tevatron μp quench protection system 9—72088
Floratos, E.G. Two jet profiles of heavy $^{--}$1-onia 9—93357
Floratos, E.G., Narison, S., De Rafael, E. Spectral function sum rules in quantum chromodynamics. I. Charged currents sector 9—80796
Floratos, E.G., Ross, D.A., Sachrajda, C.T. Higher-order effects in asymptotically free gauge theories. II. Flavour singlet Wilson operators and coefficient functions 9—67501
Floreen, S. The creep fracture characteristics of nickel-base superalloy sheet samples 9—52339
Florence, A.L., Schwer, L.E. Axisymmetric compression of a Mohr-Coulomb medium around a circular hole 9—57914
Florence, D. *see* Bartholin, H. 9—65673
Flores, F., March, N.H., Ohmura, Y., Stoneham, A.M. Asymptotic displaced charge round impurities in metal crystals with and without surfaces 9—95364
Flores, F., Tejedor, C. Energy barriers and interface states at heterojunctions 9—56295
Flores, F. *see* Garrido, L.M. 9—69444
Florian, E., Cojocaru, M. Modelling possibilities of the mass transfer processes 9—74338
Florian, E.N. *see* Khoroshailov, V.G. 9—52450
Florian, J. *see* Hand, L. 9—75979
Florianczyk, T. Permeability of plasticized PVC. II 9—52771
Florianczyk, T. Dissolution of gases in plasticized polyvinyl chloride 9—69252
Florin, R.E. Free radicals in stretched vinylidene chloride copolymer 9—61923
Florio, A.Oliva *see* Oliva Florio, A.
Florke, O.W. *see* Gugel, E. 9—74414
Floscher, K. Algorithm for the calculation of weight multiplicities 9—67142
Flossdorf, J., Schilling, H. Improved collimating optics for an analytical ultracentrifuge (Beckman model E) 9—71443
Flouquet, J. Kondo coupling, hyperfine and exchange interactions 9—65647
Flouquet, J. *see* Benoit, A. 9—61171
Flouquet, J. *see* Ribault, M. 9—90803
Flower, H.M. *see* Davis, R. 9—61590
Flower, H.M. *see* Sheppard, T. 9—83273
Flower, J.O. *see* Knott, G.F. 9—52873, 9—92059
Flowers, A.G., Branford, D., McGeorge, J.C., Shotter, A.C., Thorley, P., Zimmerman, C.H., Owens, R.O., Pringle, J.S. Electron-induced preequilibrium alpha emission 9—85459
Flowers, A.G. *see* Pringle, J.S. 9—89296
Flowers, E., Itoh, N. Transport properties of dense matter. II 9—67236
Flowers, E.C. *see* Peterson, J.T. 9—80024
Flowers, R.H. *see* Amateau, M.F. 9—96158
Floyd, L. *see* Destler, W.W. 9—76163
Floyd, R., Harrison, J.R., Macek, R., Sanders, G. Secondary beam line phase space measurement and modeling at LAMPF 9—72157
Floyd, R.B., Nelson, W.J., Walmsley, D.G. Barrier profiles in clean and doped tunnel junctions 9—56445
Floyd, R.L., Dresser, M.J. The surface ionization of gadolinium, terbium and dysprosium on the tungsten (110) surface 9—87142
Floyd, R.W. *see* Chestnut, P. 9—86298
Fluckiger, E. *see* Debrunner, H. 9—62685
Flude, K. *see* Barbetti, M. 9—62433
Fluendy, M.A.D. *see* Castano, F. 9—86049
Fluess, H.J. A computer model describing atmospheric propagation or microwaves from 1 to 300 GHz including detailed atmospheric conditions and comparison with experimental data 9—53505
Flugge, G. The new heavy lepton τ 9—75758
Flugge, G. *see* Berger, C. 9—49519
Fluit, J.M. *see* de Wit, A.G.J. 9—51431
Fluit, J.M. *see* van Veen, A. 9—80716
Flukiger, R., Foner, S., McNiff, E.J., Jr., Fischer, O. Upper critical fields of $Nb_{\sim 3}Au$, $Nb_3Au_{0.7}Pt_{0.3}$ and Nb_3Pt 9—82729
Flukiger, R., Foner, S., McNiff, E.J., Jr., Schwartz, B.B. Effects of material parameters on H_{c2} in A15 superconductors 9—61005
Flukiger, R., Foner, S., McNiff, E.J., Jr., Schwartz, B.B. High critical currents in cold-powder-metallurgy-processed superconducting Cu-Nb-Sn composites 9—78279
Flume, R., Meyer, S. On renormalizable two-dimensional σ-models with dynamical charges 9—85223
Flusberg, A. Photon-echo decay due to weak velocity-changing collisions 9—55190
Flusberg, A., Kachru, R., Mossberg, T., Hartmann, S.R. Foreign-gas-induced relaxation of Rydberg S and D states in atomic sodium 9—72409
Flusberg, A. *see* Mossberg, T. 9—76503
Fluss, H.J. *see* Eckl, W. 9—53501
Fluss, M.J. *see* Smedskjaer, L.C. 9—91523
Flyagin, V.B. *see* Abdinov, O.B. 9—89334
Flynn, C.P. *see* Avci, R. 9—95372, 9—95815
Flynn, C.P. *see* Layton, R.P. 9—95816
Flynn, C.P. *see* Swarts, C.A. 9—83056
Flynn, C.R., Serpa, D.P., Dodd, F.J. BWR feedwater nozzle cladding removal ALARA approach 9—59224
Flynn, E.R. Helical focal plane detectors 9—68160
Flynn, E.R. *see* Ajzenberg-Selove, F. 9—63581, 9—63595
Flynn, E.R. *see* Anderson, R.E. 9—67733
Flynn, E.R. *see* Lebrun, C. 9—54390
Flynn, E.R. *see* Straume, O. 9—67626
Flynn, E.R. *see* Vergnes, M.N. 9—54392
Flynn, G. *see* Shamah, I. 9—72396
Flynn, M. *see* Gore, T.A. 9—74766
Flynn, P.L. Cohesive bond strength prediction for adhesive joints 9—83436
Flynn, P.W. *see* Lindgren, J.R. 9—67925, 9—81058
Flyorov, G.N. *see* Verkin, B.I. 9—58732
Flytzani-Stephanopoulos, M., Schmidt, L.D. Evaporation rates and surface profiles on heterogeneous surfaces with mass transfer and surface reaction 9—70371
Flytzanis, N. Lattice models of high velocity dislocation motion 9—77600
Flytzanis, N., Celli, V. Stress-free motion of dislocation arrays 9—65083
Foag, W., Tiltscher, T. Experimental methods at high pressures. III. A device for comparative conductivity measurements for high-pressure kinetic investigations in solution 9—93161
Foch, J.D., Jr. *see* Simon, C.E. 9—94677
Fock, K., Kittl, R. Knowledge of practical testing methods for sheet and bulk moulding compounds of polyester 9—70262
Fodemski, T., Morawski, T. Experimental ascertainment of micropolar effects in a liquid under influence of a rotating electric field 9—55638
Foditsch, W. *see* Bruesch, P. 9—80668
Fodor, G. *see* Garlea, I. 9—63862
Fodor, I., Szikali, J., Kleinwachter, P., Schobbert, H., Herrmann, F. Fragmented $g_{9/2}$ isobaric analogue resonance in the $^{52}Cr(p,\gamma)^{53}Mn$ reaction 9—85430
Fodor, Z. *see* Albrecht, D. 9—75985
Foelsche, H. *see* Weng, W.T. 9—76188
Foeth, H. *see* Erhan, S. 9—49550
Foex, M. *see* Arashi, H. 9—70049
Foex, M. *see* Coutures, J.P. 9—70268
Foex, M. *see* Ouaida, M.B. 9—70100
Foex, M. *see* Shpil'rain, E.E. 9—99299
Fofanov, G.M. *see* Evseeva, M.A. 9—74277
Fofanov, O.N., Tikhonov, N.I., Gerasimov, Yu.F., Borisov, B.F., Boldyrev, E.I. Measurement of creep information in a specimen in a device for in-reactor tests on materials 9—83427
Fogarassy, B. *see* Kemeny, T. 9—73750, 9—94906
Fogarty, K.E. *see* Grigg, P. 9—92212
Fogarty, W.G. *see* Epstein, E.E. 9—67102
Fogel, L.D., Sutherland, J.W. Aerosol formation on the flash photolysis of SO_2/gas mixtures 9—66307
Fogel, M.B. *see* Chakravarty, S. 9—97299
Fogel, N.Ya., Sidorenko, A.S. Scaling behaviour of resistive superconducting transitions in thin films 9—56363
Fogel, N.Ya., Sidorenko, A.S., Rybalchenko, L.F., Dmitrenko, I.M. Critical phenomena in thin superconducting films 9—95546
Fogel, N.Ya. *see* Sidorenko, A.S. 9—56459
Fogel, S.R. *see* Gumerman, L.W. 9—70613
Fogel', Ya.M. *see* Palatnik, L.S. 9—86810
Fogelberg, B., Carle, P. Levels and transition probabilities in $^{120,122,124,126,128}Sn$ studied in the decay of In isotopes 9—75851
Fogelberg, B. *see* Schussler, F. 9—59039
Fogelman, I., Citrin, D.L., McKillop, J.H., Turner, J.G., Bessent, R.G., Greig, W.R. A clinical comparison of Tc-99m HEDP and Tc-99m MDP in the detection of bone metastases: concise communication 9—83904
Fogg, G.F. *see* Briscoe, F. 9—49789
Fogilmuciaccia, M.T. *see* Armenise, N. 9—67533
Fogle, W.H., Ho, J.C., Phillips, N.E. Concentration and temperature dependence of the magnetic heat capacity of dilute Cu-Mn 9—61164
Foglesong, G.M. *see* Pomraning, G.C. 9—98598
Fogli-Muciaccia, M.T. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Fogli-Muciaccia, M.T. *see* Bonetti, S. 9—49509
Fohlmeister, J. A theoretical study of neutral adaptation and transient responses due to inhibitory feedback 9—92206
Fohrmann, R. *see* Brandelik, R. 9—63491, 9—93441
Foiles, C.L. *see* Cleveland, J.R. 9—78079
Foiles, C.L. *see* Lee, C.W. 9—65456
Foin, C., Andre, S., Barneoud, D., Boutet, J., Bastin, G., Desthuilliers, M.G., Thibaud, J.P. High-spin states in ^{155}Ho 9—85354
Fok, M.V. *see* Arkhangel'skii, G.E. 9—60389
Fok, M.V. *see* Ushakov, Yu.V. 9—95847
Fok, T.Y., Marwaha, A.S. Differential susceptibility, structure constant and losses in Ni-Fe thin films 9—91271

Fok, W.C., Walker, A.C. Buckling of outstands in stiffened plate 9−98641
Fokanov, V.P. *see* Dobychin, S.L. 9−64076
Fokas, A.S. Group theoretical aspects of constants of motion and separable solutions in classical mechanics 9−75332
Foken, T., Kitajgorodskij, S.A., Kuznecov, O.A. On the dynamics of the molecular temperature boundary layer above the sea 9−66756
Fokin, A.P. *see* Mural', V.V. 9−86930
Fokin, A.V. *see* Bogomolov, V.N. 9−61378
Fokin, B.S. *see* Andreyev, P.A. 9−90333
Fokin, B.S. *see* Borishanskiy, V.M. 9−77222
Fokin, V.S. *see* Boiko, G.A. 9−64234
Fokina, I.L. *see* Shcherbakova, T.V. 9−84539
Fokitis, E. *see* Kourkoumelis, C. 9−63555, 9−71769, 9−71770, 9−85347
Fokkema, J.T. *see* van den Berg, P.M. 9−50195, 9−89832
Foldes, E., Pazonyi, T., Hedvig, P. Effect of processing on the thermomechanical and dielectric relaxation properties of plasticized poly(vinyl chloride) compounds 9−70124
Foldy, L.L., Lock, J.A. Physical consequences of anomalies in nonlocal potential problems 9−93570
Foley, C.D., Quanbury, A.O., Steinke, T. Kinematics of normal child locomotion−a statistical study based on TV data 9−70561
Foley, G.M. Modification of emissivity response of two-color pyrometers 9−93142
Foley, G.M.T. *see* Onn, D.G. 9−95405
Foley, G.M.T. *see* Zeller, C. 9−67344
Foley, H.M. Ordering of atomic energy levels in excited states 9−81162
Foley, J.T., Wolf, E. Note on the far field of a Gaussian beam 9−76583
Foley, K.E. *see* Winograd, N. 9−100007
Foley, R.T. *see* Sarada, T. 9−61969
Folger, D.W. *see* Butman, B. 9−57964, 9−58113
Folger, H. *see* Franz, G. 9−67802
Folger, M.K., Leonard, L.B. Language and sensorimotor development during the early period of referential speech 9−57674
Folgueras, J., Cobbold, R.S.C. Effect of the concentration of impurities of the substrate on some characteristics of the MOS tetrode 9−99624
Folkerts, E. Solar panels 9−92061
Folkins, J. *see* Griffin, J.A. 9−73903
Folkmann, F. Ion induced X-rays. General description 9−96405
Folkmann, F. *see* Hillis, D.L. 9−89320
Folkmann, F. *see* Meyerhof, W.E. 9−49978
Folland, E.D. *see* Feldman, C.L. 9−70598
Folland, N.O. Factored irreducible symmetry operators and space groups 9−73121
Folland, R., Charlesby, A. Pulsed n.m.r. of cis-polyisoprene. I. Sensitivity of T_2 to long range chain motions 9−69738
Folland, R., Charlesby, A. Pulsed n.m.r. of cis-polyisoprene. II. Effects of radiation-induced crosslinking 9−69739
Folland, R. *see* Bridges, B.J. 9−87624
Folle, M.I. Linear theory of supersonic flow past ruled bodies of three-dimensional configuration 9−77170
Foller, D. Source and reduction of hydraulic noise 9−98545
Follett, D.A. *see* Keim, H.J. 9−79635
Follett, D.H. *see* Skidmore, R. 9−62320
Folli, U. *see* Gottarelli, G. 9−86683
Follstaedt, D., Narath, A. Nuclear resonance of ytterbium local moments in gold 9−65763
Follstaedt, D. *see* Azevedo, L.J. 9−73837
Folman, M. *see* Ephraim, A.B. 9−90872
Folomkin, I.P. *see* Burakov, V.S. 9−90467
Foltz, C. *see* Capriotti, E. 9−71108
Foltz, G.W. *see* Beiting, E.J. 9−68271
Foltzer, L.E., Bickel, G.W. Fiber-optic area-ratio couplers 9−50431
Fomalont, E.B., Miley, G.K., Bridle, A.H. VLA observations of the extended radio core in 3C 236 9−75288
Fomalont, E.B. *see* Palimaka, J.J. 9−92880
Fomchenko, V.A. *see* Zaitsev, V.I. 9−83275
Fomenko, A.N. *see* Gornostaev, B.D. 9−76130
Fomenko, L.S. *see* Lubenets, S.V. 9−65098
Fomenko, V.M. *see* Ankilov, A.N. 9−93270
Fomichev, S.V. *see* Ivanter, I.G. 9−61290
Fomichev, V.A. X-ray spectra and energy band structure of germanium 9−69407
Fomichev, V.M. *see* Leont'ev, A.I. 9−64652
Fomicheva, L.N. *see* Popova, S.V. 9−77565
Fomin, A.V. *see* Zasimchuk, I.K. 9−52495
Fomin, G.S. *see* Sokolovskaya, E.M. 9−56956
Fomin, I.A. Instability of uniform magnetization precession in superfluid A-phase ^{3}He 9−95232
Fomin, I.A. Magnetic relaxation in the superfluid phases of He^3 in the hydrodynamic region and in a strong magnetic field 9−95239
Fomin, N.A. *see* Achasov, O.V. 9−64002, 9−64202
Fomin, N.E. *see* Zemskii, S.V. 9−51298
Fomin, N.V. Electrostrictive effect of hot electrons 9−69778
Fomin, S.P., Shul'ga, N.F. Rainbow scattering and orbiting of fast particles in crystals 9−99256
Fomin, V.G. *see* Gavrilov, K.I. 9−94977
Fomin, V.M., Vorozhtsov, E.V., Yanenko, N.N. On the properties of curvilinear shock waves 'smearing' in calculations by the particle-in-cell method 9−64693
Fomin, V.M. *see* Pokatilov, E.P. 9−55846
Fomin, V.M. *see* Shevtsov, M.A. 9−49233
Fomin, V.M. *see* Yanenko, N.N. 9−49055
Fomin, V.P. *see* Neshpor, Yu.I. 9−62932
Fomin, V.P. *see* Stepanyan, A.A. 9−80368
Fomin, V.V. *see* Kozlov, N.A. 9−82110
Fomin, Yu.A. *see* Berezhko, I.A. 9−96870
Fomin, Yu.A. *see* Levina, T.G. 9−80160, 9−96873
Fomin, Yu.A. *see* Vernov, S.N. 9−80172
Fomin, Yu.A. *see* Wdowczyk, J. 9−80158
Fomina, G.A. *see* Skidan, B.S. 9−100103
Fomina, N.P. *see* Maslennikova, G.N. 9−61756
Fomina, T.V. *see* Galashin, E.A. 9−69871
Fominenko, V.P. *see* Volkov, Yu.M. 9−85434
Fomins, J. *see* Madzhulis, I. 9−91381
Fominykh, I.P. *see* Spirtus, G.A. 9−96049
Fominykh, V.I. *see* Gorev, V.S. 9−68146
Fominykh, V.I. *see* Zhagrov, E.A. 9−76054
Fon, W.C., Berrington, K.A., Burke, P.G., Kingston, A.E. The $1^1S \rightarrow 2^3S$ and $1^1S \rightarrow 2^3P$ excitation of helium by electron impact 9−64107
Fonade, C. *see* Dat, J. 9−66423
Fonarev, A.S. *see* Kogan, M.N. 9−90273
Fonarev, A.S. *see* Lifshits, Yu.B. 9−90275
Fonarev, G.A., Volkomirskaya, L.B. Evaluations of the feasibility of using absolute magnetometers in some marine sounding installations 9−62600
Fonarev, G.A. *see* Krotevich, N.F. 9−53350
Fonash, S.J. *see* Tongson, L.L. 9−78173
Foner, S. *see* Flukiger, R. 9−61005, 9−78279, 9−82729
Foner, S. *see* Orlando, T.P. 9−78277
Foner, S. *see* Yacovitch, R.D. 9−78492
Fong, A. *see* Piccolo, M. 9−93439
Fong, A. *see* Rapidis, P.A. 9−75780
Fong, C.P., Li, C.C., Savol, A.M., Shiek, C.F., Preston, K., Jr., Hoy, R.J., Sze, T.W., Sashin, D. Automated extraction of subimages in lung regions of chest X-rays for detection of pneumoconiosis opacities 9−88182
Fong, C.Y. *see* Alward, J.F. 9−95325
Fong, D. *see* Barber, D. 9−54289, 9−54346
Fong, D. *see* Barber, D.P. 9−89175, 9−97631
Fong, J.C. *see* Ray, L. 9−63669
Fong, W.T.J. *see* Dey, S.K. 9−78207
Fong Duan Progress in the studies of lattice defects 9−69100
Fong Lee Kai *see* Kai Fong Lee
Fonger, W.H. *see* Struck, C.W. 9−78749
Fonroget, J. *see* Brunol, J. 9−57767
Fonseca, A.C. Four-body model of the four-nucleon system 9−63643
Fonseca, A.C. Four-body model of the four-nucleon system 9−71802
Fonseca, A.C. Four-body calculation of ^{3}He(p,p)^{3}He and d(d,p)^{3}H 9−71855
Fonseca, A.C. Four-body approach to $\alpha(^3He,^3He)\alpha$ and ^{6}Li(p,p)^{6}Li reactions 9−75933
Fonseca, A.C., Redish, E.F., Shanley, P.E. Efimov effect in an analytically solvable model 9−63083
Fonseca, A.C., Revai, J., Matveenko, A. Three-body molecular description of ^{9}Be. I. Born-Oppenheimer approximation 9−93534
Fonseca, A.C., Shanley, P.E. Model three-body problem in the molecular mass limit 9−49068
Fonshtein, N.M. *see* Gulyaev, A.P. 9−57086
Fonstad, C.G. *see* Kasemset, D. 9−64222, 9−98370
Fontaine, A., Lagarde, P., Raoux, D., Esteva, J.M. Soft X-ray absorption and EXAFS on the K edge of aluminium 9−99981
Fontaine, B. *see* Forestier, B. 9−59723
Fontaine, C., Rocher, A. Indexing of diffraction patterns and study of bicrystals by a zone axis method 9−99038
Fontaine, D.de *see* de Fontaine, D.
Fontaine, G., Michaud, G. Diffusion time scales in white dwarfs 9−92761
Fontaine, G. *see* Drijard, D. 9−80853, 9−89150, 9−89198
Fontaine, G. *see* Landstreet, J.D. 9−88676
Fontaine, G. *see* Motohasi, Y. 9−95008
Fontaine, G. *see* Vauclair, G. 9−71018
Fontaine, J. *see* Meyrueis, P. 9−88213
Fontaine, J.M. *see* Alkhazov, G.D. 9−75883
Fontaine, M., Amiot, P. Nuclear fission hydrodynamic calculation of inertia matrix elements 9−71838
Fontaine, R. *see* Caillat, R. 9−97474
Fontan, J. *see* Druilhet, A. 9−66749
Fontan, J. *see* Huertas, M.L. 9−70829
Fontana, A. *see* Segers, L. 9−51183, 9−51287
Fontana, M.H. *see* Hanus, N. 9−85656
Fontana, T. *see* Deschamps, G.A. 9−50197
Fontanella, J., Johnston, R.L., Sigel, G.H., Jr., Andeen, C. The dielectric properties of as-received and gamma irradiated fused silica 9−65786
Fontanella, J. *see* Andeen, C. 9−82924
Fontanesi, M., Sindoni, E. Plasma diagnostics for controlled thermonuclear fusion experiments 9−63805
Fontcuberta, J. *see* Tejada, J. 9−56637
Fonte, R. *see* Legrain, R. 9−85499
Fontell, A., Luomajarvi, M. Stopping powers of Ag and Au for 0.3-2.0-MeV ^{4}He ions 9−60415
Fonteneau, G., Aliaga, N., Corre, O., Lucas, J. Spectroscopic study of fluorozirconate glasses doped with V^{3+} and Cr^{3+} 9−99918
Fontenille, J. *see* Le Contellec, M. 9−90906
Fontes, J.-Ch. *see* Jusserand, C. 9−79811
Fontijn, A. *see* Felder, W. 9−52672
Foo, E.H. *see* Lin, C.H. 9−87746
Foord, C.A. *see* Ford, R.A.J. 9−49201
Foord, S.G. *see* Baskett, R.E.J. 9−55206
Foot, J.S. Spectrophone measurements of the absorption of solar radiation by aerosol 9−80027
Foote, F.B. *see* Danielewicz, E.J. 9−94220
Footitt, R.J. *see* Bailey, G.J. 9−84583
Forbes, F.F. Multiple Mirror Telescope guide alignment system 9−75107
Forbes, J.M., Garrett, H.B. The solar cycle variability of diurnal and semidiurnal thermospheric temperatures 9−75002
Forbes, J.M., Hagan, M.E. Tides in the joint presence of friction and rotation: an f plane approximation 9−66847
Forbes, J.M., Marcos, F.A. Tidal variations in total mass density as derived from the AE-E Mesa experiment 9−53593
Forbes, J.M. *see* Champion, K.S.W. 9−84553
Forbes, L., Brown, R., Sheikholeslam, M., Current, W. Application of the MOSFET device structure in characterizing imperfection centers in indium-doped silicon 9−73595
Forbes, L.K. A note on the solution of the one-dimensional unsteady equations of arterial blood flow by the method of characteristics 9−92251
Forbes, R.G. The influence of depolarisation on surface-atom polarisation energy 9−60620
Forbes, R.G. Conceptual errors in the theory of field adsorption 9−100027
Forbes, W.B. *see* Bronzino, J.D. 9−83742
Forbrig, B., Dittmar, G., Schubert, F. Requirements on the lateral geometry of $Cd_{0.2}Hg_{0.8}Te$-infrared photoresistors 9−93213
Forbrig, B. *see* Schubert, F. 9−65997
Forcella, F. *see* Casnedi, R. 9−100818
Ford, A.B. *see* Brew, D.A. 9−62495
Ford, A.L., Reading, J.R., Becker, R.L. Charge transfer and ionisation in collisions of 2.5 to 9 MeV protons with argon 9−89766
Ford, A.L., Swafford, G.L., Reading, J.F., Becker, R.L. Proton impact argon inner-shell charge transfer and ionisation: importance of couplings to target-centred d states 9−89760
Ford, A.L. *see* Reading, J.F. 9−50109, 9−89778
Ford, A.M. *see* Butler, P.H. 9−84989
Ford, C.C. *see* Eisenfeld, J. 9−59495
Ford, D.C., Ewers, R.O. The development of limestone cave systems in the dimensions of length and depth 9−62531
Ford, D.C. *see* Latham, A.G. 9−84107
Ford, G.E., Algazi, V.R., Agee, B.G. On the correction of geometric distortion in satellite-acquired images 9−74588
Ford, G.E. *see* Algazi, V.R. 9−74587
Ford, G.M. *see* Drever, R.W.P. 9−93033
Ford, G.W., Lewis, J.T., McConnell, J. Rotational Brownian motion of an asymmetric top 9−54058
Ford, G.W., Lewis, J.T., McConnell, J. The rotational Brownian motion of an asymmetric body 9−54062
Ford, H.C. *see* Margon, B. 9−62839
Ford, J.D. *see* Fahim, M.A. 9−66342
Ford, J.L.C. *see* Baker, F.T. 9−63689
Ford, J.L.C., Jr. Position sensitive proportional counters as focal plane detectors 9−68159
Ford, J.L.C., Jr. *see* Cleary, T.P. 9−54404
Ford, J.L.C., Jr. *see* Cordell, K.R. 9−75815
Ford, J.L.C., Jr. *see* Shapira, D. 9−76250
Ford, J.M. *see* Pfefferbaum, A. 9−79500
Ford, L.H. Casimir effect for a self-interacting scalar field 9−97497
Ford, L.H. Comment on the interaction of an atom with a pair of perfectly conducting plates 9−97990
Ford, M.R., Snyder, W.S., Watson, S.B. $(MPC)_a$ values for isotopes of plutonium 9−70640
Ford, N.C., Jr. *see* Bogdanov, A.A. 9−79466
Ford, P.C. *see* Matsubara, T. 9−94010
Ford, P.G. *see* Clark, T.A. 9−88920
Ford, R.A.J., Foord, C.A. Laser-based fluorescence techniques for measuring thin liquid films 9−49201
Ford, T.A. Determination of the vibrational constants of some diatomic molecules. A combined infrared spectroscopic and quantum chemical third year chemistry project 9−84914
Ford, W. *see* Biel, J. 9−89309
Ford, W.K., Jr. *see* Rubin, V.C. 9−62898
Ford Calhoun, W., Frary, R.B. Computer-supported individualized testing within reach 9−92914
Fordham, E.W. *see* Turner, D.A. 9−57769
Forel, M.-T. *see* Le Gall, L. 9−81165
Foreman, K.M., Gilbert, B.L. Diffuser designs for improved wind energy conversion 9−83556
Forester, C.K. *see* Roberts, D.W. 9−94716

Forester, D.W., Koon, N.C., Schelleng, J.H., Rhyne, J.J. Spin-glass and magnetic blocking transitions in amorphous YFe_2 9−61141
Forester, D.W. *see* Krebs, J.J. 9−82956
Forestier, B., Fontaine, B. Pulsed blowdown−electron gun facility for low-temperature and high-pressure supersonic flow electronic transition lasers 9−59723
Forgac, J.M., Schur, T.P., Angus, J.C. Solidification of a sphere: the effects of thermal contraction and density change upon freezing 9−64517
Forgacs, G. *see* Andrasi, M. 9−51679
Forgacs, G. *see* Chui, S.T. 9−93069
Forgacs, G. *see* Frisch, H.L. 9−97305
Forgan, E.M., Muirhead, C.M. Heat capacity of neodymium below 10K 9−61158
Forgan, E.M., Muirhead, C.M., Jones, D.W., Gschneidner, K.A., Jr. Measurements of the heat capacity of neodymium in the range 2-10K and zero magnetic field 9−51788
Forger, M. *see* Fichenherr, H. 9−80750
Fork, R.L., Shank, C.V., Glass, A.M., Migus, A., Bosch, M.A., Shah, J. Picosecond dynamics of optically induced absorption in the band gap of As_2S_3 9−87439
Fork, R.L., Taylor, D.W. Unusual optical emission from microcrystals containing Eu^{2+}: experiment 9−73992
Fork, R.L. *see* Leheny, R.F. 9−99583
Forkel, W., Schenk, H. Phonon emission caused by subharmonic gap structure of superconducting Sn-I-Sn tunnel junctions 9−56437
Forker, M., Klessen, K. The electric field gradient at cadmium impurities in yttrium metal 9−56632
Forker, M., Steinborn, W. The magnetic hyperfine field at ^{181}Ta impurities in the 4f-ferromagnets Ho and Er 9−91330
Forker, M., Steinborn, W. Temperature dependence of the electric field gradient at Ta impurities in the heavy-rare-earth metals Gd, Dy, Ho, and Er 9−95689
Forkert, L., Dhingra, S., Anthonisen, N.R. Airway closure and closing volume 9−88102
Forman, R. Comment on the mechanism of operation of the impregnated tungsten cathode 9−78821
Forman, W. *see* Giacconi, R. 9−70941
Former, W., Nissen, H.-H. Economics of wind power generation 9−66398
Formisano, V. Properties of energetic electrons of magnetospheric origin in the magnetosheath and in the solar wind−correlation with geomagnetic activity 9−80095
Formisano, V. Orientation and shape of the Earth's bow shock in three dimensions 9−101030
Formisano, V., Domingo, V., Wenzel, K.P. The three-dimensional shape of the magnetopause 9−101029
Fornaca, S. *see* Wickham, M. 9−71440
Fornalik, J., Krolak, B. Dichroism in glasses coloured by the rare earth oxides. I. Neodymium glasses 9−99919
Fornasini, M.L., Mugnoli, A., Palenzona, A. The crystal structure of $Sm_{10}Pd_{21}$ 9−99118
Fornasini, M.L. *see* Merlo, F. 9−77555
Fornazero, J. *see* Labib, H. 9−56223
Fornier, A. *see* Vidal, B. 9−81582
Forno, C. Welds at high temperatures studied by moire photography 9−74336
Foroughi, F. Three model approaches to the α-d relative wave function in the ^{6}Li nucleus 9−75872
Forrest, B.J. *see* Cushley, R.J. 9−83713
Forrest, J., Schwartz, S.E., Newman, L. Conversion of sulfur dioxide to sulfate during the Da Vinci flights 9−83658
Forrest, R.A. *see* Peart, B. 9−89787
Forrest, W.J. *see* McCarthy, J.F. 9−97046
Forrester, A.T. *see* Crow, J.T. 9−49888
Forro, L. *see* Mihaly, G. 9−78088, 9−87089
Forsberg, B., Wester, U. Dose distribution around a new flexible afterloading applicator 9−53249
Forsberg, C.W. Actinide lanthanide separation from high-level wastes by oxalate precipitation 9−49720
Forsberg, J.O., Jung, B., Larsson, B. Radiation response modified by degradable starch microspheres. Experiments on the rat's foot 9−62298
Forsen, S. *see* Altman, L.J. 9−76447
Forsen, S. *see* Bull, T.E. 9−65750
Forsen, S. *see* Burton, D.R. 9−89692
Forshaw, M.R.B. Thecooperative stereo algorithm: an empirical approach 9−100615
Forsman, J.A. *see* Grimley, R.T. 9−73302
Forst, A. *see* Lam, C.F. 9−80722
Forst, W. Temperature-dependent A factor in thermal unimolecular reactions 9−74347
Forst, W., Bhattacharjee, R.C. Modified statistical theory of energy transfer in ion-molecule collisions 9−50107
Forstat, H., Lam, N.T. Antiferromagnetism in $Mn_{0.27}Co_{0.73}Cl_2.6H_2O$ 9−78415
Forstat, H. *see* Lam, N.T. 9−91226
Forster, D. Hydrodynamic singularities and the renormalization group 9−54063
Forster, F.K., Brandestini, M.A. Numerical method for analyzing a new time domain frequency analyzer for ultrasonic Doppler signals 9−92314
Forster, F.K. *see* Brandestini, M.A. 9−57704
Forster, J.S. *see* Alexander, T.K. 9−54750
Forster, J.S. *see* Ball, G.C. 9−89322
Forster, S., Brockmann, H., Clermont, H., Darvas, J., Kleemann, M., Sack, B., Kupschus, P., Meixner, C.N., Altenhein, F.K., Gruber, J., Lutze, W. Conceptual design of a compact Tokamak-reactor 9−71970
Forster, S. *see* Brockmann, H. 9−67935
Forsth, L.R. *see* Skullerud, H.R. 9−64820
Forstner, W. The program TRINA on the adjustment and reliability of geodetical ground control networks 9−84089
Forstner, W. Speed of convergence of the a posteriori variance estimation 9−100984
Forstner, W. *see* Benning, W. 9−84088
Forsyth, D. *see* Rowlett, H. 9−70754
Forsyth, J.B. Magnetic neutron scattering and the chemical bond 9−77456
Forsyth, P.A., Fulford, J.A. A rocket-borne radar study of aurora 9−100995
Fort, B. *see* Picat, J.P. 9−66969
Fort, R.C., Jr. *see* Spinella, G.M. 9−55899
Fortak, H. On theoretical methods for the solution of complex urban air pollution problems. I. Basic concepts 9−83669
Forte, C. *see* Bonino, F. 9−52918
Forte, M. Coherent parity-violation experiments with neutron beams 9−59073
Forte, M. *see* Finch, E.C. 9−76292
Fortes, V.B. *see* Arzhevikin, Yu.A. 9−84442
Forth, H.-J., Ossege, K. Technical helium-3 cryostats for different capacities 9−58749
Forth, H.-J. *see* Heisig, R. 9−58754
Fortier, S., DeTitta, G.T., Grieco, P.A. Stramonin-B 9−77589
Fortier, S., Gales, S. Study of the $^{58}Ni(\tau,\alpha)^{57}Ni$ reaction at 25 MeV 9−63592
Fortier, S. *see* Rao, M.N. 9−89239
Fortin, B. *see* Raoult, F. 9−95532
Fortin, E. *see* Anedda, A. 9−95444
Fortin, H. New technologies. A solution to energy problems? 9−87971
Fortin, M., Meubus, P. Measurement of metastable atom concentration in Ar and He plasma jets, low-temperature and atmospheric pressure 9−98972
Fortin, M., Thomasset, F. Mixed finite-element methods for incompressible flow problems 9−64638
Fortini, A. Unitary solution for an evolution operator in quantum mechanics 9−72223
Fortini, P. *see* Baroni, L. 9−75236
Fortner, R.J., Garcia, J.D. Characteristic X-rays due to projectiles moving through solids 9−83062
Fortney, L.R. *see* Biswas, N.N. 9−63556
Fortucci, P.L., Meyer, V.D. An apparatus for rapid and accurate measurement of pressure and volume 9−88972
Fortuin, J.M.H. *see* Klijn, P.-J. 9−82013
Fortunato, B. *see* Rout, R.K. 9−52911
Fortune, C.R. *see* Homolya, J.B. 9−74569
Fortune, H.T., Garrett, J.D., Middleton, R. Neutron pickup from ^{22}Ne 9−63684
Fortune, H.T., Richter, A., Siemssen, R.H., Yntema, J.L. ^{16}O scattering from the even-A Mg and Si isotopes 9−93655
Fortune, H.T. *see* Kunz, P.D. 9−85439
Fortune, H.T. *see* Mordechai, S. 9−63594
Fortune, H.T. *see* Saha, A. 9−63675, 9−85474
Fortune, H.T. *see* Van der Borg, K. 9−67659
Fortus, V.M. *see* Babin, A.A. 9−72629
Forward, R.L. Electronic cooling of resonant gravity gradiometers 9−49222
Forward, R.L. Electronic damping of vibrations in optical structures 9−50372
Forys, M. *see* Ermakov, A.N. 9−57265
Fosbury, R.A.E. *see* Danziger, I.J. 9−84854
Foss, M., Thompson, K., Praeg, W. A transformer septum magnet 9−68102
Foss, M.H. Buncher cavity resonant at the first and second harmonic 9−72134
Foss, M.H. *see* Burke, R.J. 9−68101
Foss, M.H. *see* Moretti, A. 9−76158
Fossan, D.B. *see* Korner, H.J. 9−89221
Fossan, D.B. *see* Shroy, R.E. 9−54381
Fossat, E. *see* Grec, G. 9−92747, 9−101130, 9−101131
Fossheim, K., Holt, R.M., Raaen, A.M. Acoustic determination of depletion depth in metal-semiconductor contacts 9−99621
Fossheim, K. *see* Bjerkan, L. 9−98578
Fossum, J.G., Lindholm, F.A., Shibib, M.A. The importance of surface recombination and energy-bandgap narrowing in p-n-junction silicon solar cells 9−100520
Fossum, J.G. *see* Shibib, M.A. 9−96445
Fossum, J.O. *see* Bjerkan, L. 9−98578
Foster, B. *see* Brandelik, R. 9−63491, 9−93441
Foster, B. *see* Gurtu, A. 9−49517
Foster, B. *see* Irving, A.C. 9−93458
Foster, B. *see* Mazzucato, M. 9−89148
Foster, C. *see* Madey, R. 9−76216
Foster, C.A. *see* Milora, S.L. 9−60202
Foster, C.C. *see* Goodman, C.D. 9−54738
Foster, C.G. Measurement of radial deformations in thin-walled cylinders 9−59949
Foster, C.J. *see* Orr, J.S. 9−74721
Foster, D.H. Effect of a small blue adapting field on the spectral sensitivity of the red-sensitive colour mechanism of the human eye 9−74666
Foster, D.H., Mason, R.J. Transformation and relational-structure schemes for visual pattern recognition: two models tested experimentally with rotated random-dot patterns 9−53130
Foster, D.L. *see* Rea, I.R. 9−86921
Foster, D.N.P. *see* Denning, R.G. 9−69853
Foster, F. *see* Latham, A. 9−89168
Foster, F. *see* Morris, J.V. 9−93434
Foster, F.S. *see* Garcia, B.J. 9−57701
Foster, H.R., Cooke, P., Chaplin, D.H., Lynam, P., Swan, D.E., Wilson, G.V.H. Stimulated spin echo studies of ^{60}Co nuclei oriented in iron 9−65780
Foster, J.F. *see* Hazen, W.E. 9−62703
Foster, J.J. *see* Faucher, K.A. 9−59859, 9−59859
Foster, J.J. *see* Heydegger, H.R. 9−53716
Foster, J.L. *see* Darden, S.E. 9−67648
Foster, J.P. *see* Boltax, A. 9−59167
Foster, K.D. *see* Arnold, S.J. 9−76699
Foster, K.R. *see* Kritikos, H.N. 9−100578
Foster, K.W. Fuel handling experience with liquid-metal reactors 9−97873
Foster, L.C. *see* Lindgren, J.R. 9−67925, 9−81058
Foster, M.G., Simpson, C.J.S.M. Vibrational energy transfer between N_2O and CO_2 9−72401
Foster, M.R., Laird, C.E. Alternative derivation of the Claerbout equations 9−84135
Foster, R.E. *see* Wechsler, M.S. 9−77645
Foster, R.G. *see* Endter, R.K. 9−93790
Foster, R.G. *see* Temple, S.M. 9−93766
Foth, H.J., Spieweck, F. Hyperfine structure of the R(98), 58−1 line of $^{127}I_2$ at 514.5 nm 9−94024
Foti, G. *see* Baeri, P. 9−56080
Foti, G. *see* Bertolotti, M. 9−50992
Foti, G. *see* Della Mea, G. 9−69130
Foti, G. *see* Grimaldi, M.G. 9−95045
Foti, G. *see* Rimini, E. 9−69125
Foti, G. *see* Tandon, J.L. 9−69118
Fotiev, V.A. *see* Smekhov, G.D. 9−90376
Fouassier, C., Levasseur, A., Guillen, F., Gutierrez, J.-M., Galves, J.-P. New cathodochromic materials of carnegieite type 9−95719
Fouassier, C. *see* Delmas, C. 9−65244, 9−77810
Fouassier, C. *see* Latourrette, B. 9−91490
Fouassier, C. *see* Maazaz, A. 9−60546
Fouassier, C. *see* Videau, J.J. 9−65820
Fouassier, C. *see* Videau, J.-J. 9−65819
Foucault, M. *see* Dumoulin, Ph. 9−91788
Fougeres, R., Parisot, A., Theolier, M., Boivin, M. Evaluation of the effect of shot peening residual stresses on the plastic microstrain of isotopic material 9−77675
Fougeron, C. *see* Aknin, J.P. 9−68001
Fouillac, C., Michard, G. An empirical geothermometer the Na/Li ratio in waters 9−53369
Fouillac, C. *see* Michard, G. 9−74913
Fouilloux, P. *see* Candy, J.-P. 9−69348
Fouilloux, P. *see* Primet, M. 9−90881
Fouilloux, P. *see* Renouprez, A.J. 9−69353
Foukal, P.V. *see* Gilman, P.A. 9−53787
Fouletier, M. *see* Maximovitch, S. 9−52923
Foulias, S.D. *see* Rawlings, K.J. 9−87532
Foulke, J.A. *see* Armstrong, T.J. 9−74803
Fountain, W.F., Gary, G.A., O'Dell, C.R. An internal velocity study of the Rosette Nebula 9−53869
Fouquart, Y. *see* Buriez, J.C. 9−70976
Fouquart, Y. *see* Fravalo, C. 9−84402
Fouquet, F., Merle, P., Merlin, J. Characterization of stages during the precipitation of the θ'-phase in an Al-4 wt.% Cu alloy 9−56984
Fouquet, F. *see* Merle, P. 9−56985
Fourcroy, P.H., Palazzi, M., Rivet, J., Flahaut, J., Ceolin, R. Study of the system AgI-BiI_3 9−66047
Fouret, R. *see* Amoureux, J.P. 9−51021
Fouret, R. *see* Damien, J.C. 9−73266
Fourie, J.T. Electric field effects in contamination 9−71577
Fourie, P.B. A simple holder for processing and critical point drying of biological microspecimens 9−74822
Fourier, M. *see* Redon, M. 9−86168
Fourme, R. Disordered structure of the cubic phase of quinuclidine at 295K 9−69037
Fourmond, M. *see* Glattli, H. 9−75982
Fournelle, R.A. Discontinuous coarsening of lamellar cellular precipitate in an austenitic Fe-30 wt.% Ni-6 wt.% Ti alloy. I. Morphology 9−78967
Fournelle, R.A. Discontinuous coarsening of lamellar cellular precipitate in an austenitic Fe-30 wt.% Ni-6 wt.% Ti alloy. II. Growth kinetics 9−78968
Fournes, L., Vlasse, M. On some phases of the system thallium-vanadium-sulphur 9−99163
Fournes, L. *see* Dance, J.-M. 9−73670
Fournier, A.P. *see* Von Hellfeld, A. 9−89720
Fournier, G. *see* Balestri, B. 9−85530

Fournier, G.R. *see* Slade, P.D. 9—76732

Fournier, J., Deson, J., Vermeil, C., Pimentel, G.C. Fluorescence and thermoluminescence of N_2O, CO, and CO_2 in an argon matrix at low temperature 9—89700

Fournier, J., Deson, J., Vermeil, C., Robbe, J.M., Schamps, J. Nonexponential decay of CS a $^3\Pi$-$X^1\Sigma^+$ luminescence 9—89699

Fournier, J.D. *see* Sulem, P.L. 9—50713

Fournier, J.M. *see* Boeuf, A. 9—78332

Fournier, M. *see* Che, M. 9—99764

Fournier, P., Mensch-Dechene, J., Ranson-Bitker, B., Valladares, W., Lockhart, A. Effects of sitting up on pulmonary blood pressure, flow, and volume in man 9—88103

Fournier, P.R. *see* Hugon, M. 9—89761

Fourquet, J.L., Jacoboni, C., de Pape, R. Localisation of mobile ions Tl^+ in the ionic conductor $TlNb_2O_5F$ of pyrochlore type 9—73144

Fourquet, J.-L., Rousseau, M., de Pape, R. Evidence of Tl^+ mobility in the pyrochlore phase $Tl_xNbO_{2+x}F_{1-x}$ 9—95209

Fourrier, C. *see* Poitevin, J.M. 9—55557

Fourrier, M. *see* Redon, M. 9—81407

Fourrier-Lamer, A., Grandjean, D. ENDOR cell with high RF fields for steady state experiments 9—49264

Fouse, G.W., Bernhard, W.A. Analysis of error in eigenvalues and eigenvectors determined from EPR data 9—51840

Fouse, G.W., Bernhard, W.A. ESR of phosphite radicals trapped in X-irradiated single crystals of o-phosphorylethanolamine 9—51857

Fouse, G.W. *see* Close, D.M. 9—56612

Fousek, J., Konak, C., Erradonea, G. Phase-transition-induced changes in optical properties of ferroelastic $(La,Nd)P_5O_{14}$ 9—95731

Foust, O.J. *(editor)* Sodium-NaK engineering handbook, vol.IV 9—97815

Fowkes, W.R. *see* Lebacqz, J.V. 9—68086

Fowler, A.B. *see* Hartstein, A. 9—95510

Fowler, B.W., Sung, C.C. Scattering of an electromagnetic wave from dielectric bodies of irregular shape 9—76555

Fowler, E.B., Polzer, W.L., Essington, E.H. Interactions of transuranic wastes with soils 9—96488

Fowler, E.P., Wilson, I. Recent experience in commissioning neutron flux instrumentation with particular reference to the avoidance of electrical interference problems 9—89466

Fowler, G.J. The influence of non-metallic inclusions on the threshold behavior in fatigue 9—91786

Fowler, G.N., Stelte, N., Weiner, R.M. Condensates and Bose-Einstein correlations 9—59028

Fowler, L.A., Cordes, J.M., Taylor, J.H. Progress report on the binary project 1913+16 9—75234

Fowler, M., Puga, M.W. Observability of Bethe-ansatz excitations in Heisenberg-Ising spin systems 9—82738

Fowler, P.H., Redfern, R.M., Swordy, S.P. Do comets provide material for the anomalous component of the cosmic rays? 9—71003

Fowler, P.W. *see* Riley, G. 9—98066

Fowler, S.W. *see* Guary, J.-C. 9—74765

Fowles, G.A. *see* Winterton, R.H.S. 9—89375

Fowlis, W.W. Remote optical techniques for liquid flow and temperature measurement for Spacelab experiments 9—82007

Fox, C.H.J. *see* Burdess, J.S. 9—54124, 9—54125, 9—54126

Fox, D.L. *see* Kuhlman, M.R. 9—74925

Fox, F. *see* Dietrich, I. 9—55786

Fox, G. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Fox, J.D. *see* Chao, A.W. 9—72208

Fox, J.N. LMFBR refueling force limits criteria, testing, and evaluation 9—67913

Fox, J.N. Procedures for measuring bowing/expansion reactivity parameters in an LMFBR 9—81038

Fox, J.R. *see* Andrewartha, J.R. 9—50393

Fox, K., Halsey, G.W., Daunt, S.J., Kennedy, R.C. Transition moment for ν_3 of $^{74}GeH_4$ 9—72363

Fox, K., Krohn, B.J., Shaffer, W.H. Cubic and quartic anharmonic potential energy functions for octahedral XY_6 molecules 9—98185

Fox, K., Reisfeld, M.J., McDowell, R.S. Tunable diode laser measurements of line strengths in the ν_4 band of $^{13}CH_4$ 9—94036

Fox, K. *see* Pearl, J. 9—92704

Fox, M., Morrison, I., Amos, K., Weiss, D. A test of a model t-matrix for direct reaction inelastic scattering 9—93594

Fox, R.A. *see* Seelentag, W.W. 9—57759

Fox, R.A. *see* Webb, S. 9—62363

Fox, R.F. Master equation derivation of Keizer's theory of nonequilibrium thermodynamics with critical fluctuations 9—67240

Fox, R.F. Fluctuation theories for non-linear hydrodynamics 9—77055

Fox, R.L., Eaton, R.R. Investigation of nozzles, jets, and channels for the separation of heavy isotopes 9—94097

Fox, T.M. *see* Casapieri, P. 9—66732

Fox, T.R. *see* Escovitz, W.H. 9—50108

Fox, W.B. *see* Tevault, D.E. 9—89669

Fox Keller, E. Cognitive repression in contemporary physics 9—97169

Foxe, T. *see* Warlaumont, J.M. 9—82720

Foxman, B.M. *see* Cheng, K. 9—74380

Foy, P.W. *see* Casey, H.C., Jr. 9—69585, 9—87157

Fozzard, H.A. *see* Kinias, P. 9—66569

Fraas, H. *see* Bartl, A. 9—89143

Fraass, B.A. *see* Gates, J.V. 9—56024, 9—73374

Fradin, F.Y., Wiley, C.L., Downey, J.W. nuclear spin-lattice relaxation in $V_{0.75-x}Ga_{0.25+x}$ 9—82710

Fradin, F.Y. *see* Dunlap, B.D. 9—56651

Fradin, F.Y. *see* Kimball, C.W. 9—56650

Fradin, F.Y. *see* Lander, G.H. 9—78323

Fradin, F.Y. *see* Shenoy, G.K. 9—73613

Fradkin, D.M. Radiation reaction as a mechanism for increasing energy-momentum of a particle interacting with a laser field 9—55038

Fradkin, E., Shenker, S.H. Phase diagrams of lattice gauge theories with Higgs fields 9—85231

Fradkin, E.E. *see* Mironov, A.V. 9—76721

Fradkin, E.E. *see* Strokovskii, G.A. 9—76374

Fradkin, E.S., Vasiliev, M.A. Minimal set of auxiliary fields and S-matrix for extended supergravity 9—58608

Fradkin, E.S., Vasiliev, M.A. Minimal set of auxiliary fields in SO(2)-extended supergravity 9—80490

Fradkin, E.S. *see* Batalin, I.A. 9—97527

Fradkin, E.S. *see* Kalashnikov, O.K. 9—67491

Fraedrich, K. Catastrophes and resilience of a zero-dimensional climate system with ice-albedo and greenhouse feedback 9—80007

Fraenkel, B. *see* Hill, K.W. 9—68956

Fraenkel, Z. *see* Paltiel, Z. 9—67792

Fraga, E.R. *see* Baumvol, I.J.R. 9—78588

Fraga, S. Semiempirical prediction of atomic energy levels 9—72243

Fragala, I.L. *see* Egdell, R.G. 9—98152

Frage, N.R. *see* Gurevich, Yu.G. 9—52168

Frahm, J., Diekmann, S. Numerical calculation of diffuse double layer properties for spherical colloidal particles by means of a modified nonlinearized Poisson-Boltzmann equation 9—79305

Frahm, R., Fuchs, B., Thielheim, K.O. Spiral density waves illustrated by the superposition of periodic stellar orbits 9—84828

Fraier, I. *see* Horowitz, Y.S. 9—81097, 9—97948

Fraikin, G.Ya. *see* Gavrilov, A.G. 9—70586

Fraiman, A.A. *see* Miller, M.A. 9—94152

Fraley, S.K. *see* Hoffman, T.J. 9—59193

Fralkenzon, A.G. Typical program for state acceptance testing of general-purpose balances 9—80581

Frame, D. *see* Armstrong, T.A. 9—85344

Frampton, P.H., Hagiwara, T. Gauge ambiguities, zero modes and classification of field size 9—97507

Frampton, P.H., Nandi, S., Scanio, J.J.G. Estimate of flavor number from SU(5) grand unification 9—85264

Frampton, P.H., Tyburski, L. Scale invariance and solitons 9—58866

Frana, J. *see* Adam, J. 9—93556

Franca, H.M., Hama, Y. Energy dependence of the eikonal in p-p elastic collisions 9—89190

Francaviglia, M., Khalatnikov, I.M. Vector-potential Hamiltonian formulation of the general relativistic perfect fluid 9—64802

Francaviglia, M. *see* Benenti, S. 9—49121

Francaviglia, M. *see* Christodoulou, D. 9—88845

Francaviglia, M. *see* Curir, A. 9—93015

Francaviglia, M. *see* Demianski, M. 9—63093

Francaviglia, M. *see* Ferraris, M. 9—80478

Francavilla, T.L., Howe, D.G. Critical current properties of V_3Ga with third element additions 9—61013

Francavilla, T.L., Howe, D.G. Critical current properties of V_3Ga multifilamentary wires 9—69645

France, D.M., Carlson, R.D., Chiang, T., Priemer, R. Characteristics of transition boiling in sodium-heated steam generator tubes 9—81006

France, P.W. *see* Ainslie, B.J. 9—76893

Franceschetti, D.R., Macdonald, J.R. Numerical analysis of electrical response: statics and dynamics of space-charge regions at blocking electrodes 9—51670

Franceschi, J.de *see* de Franceschi, J.

Franceschini, R. *see* Apel, W.D. 9—58978

Francesconi, R., Castellari, C., Comelli, F. Viscosity of concentrated solutions of ethylene-vinylacetate copolymers in paraffin at three molecular weights and at three temperatures 9—81835

Franceskini, R. *see* Apel', V.D. 9—67609

Francey, R.J. *see* Garratt, J.R. 9—79911

Franch, S. *see* Stiller, H. 9—86848

Francheteau, J. The strange discoveries of RITA 9—74887

Franchi, F. A uniqueness theorem for the modified Boussinesq equations based on Cattaneo-Fox equations 9—94606

Franchuk, I.F. A study of hydrogen bonds in melts of maleic acid and some acid salts 9—65859

Franchuk, V.I. *see* Belotskii, D.P. 9—87617

Franchy, R., Menzel, D. Adsorbate core ionization as primary process in electron- and photon-stimulated desorption from metal surfaces 9—99414

Francis, A.H. *see* Hunter, S.J. 9—65768, 9—87333

Francis, A.J., Colombo, P. Shallow land disposal of low-level radioactive wastes: microbiological aspects 9—85630

Francis, B. Heterogeneous nuclei and graphite chemistry in flake and nodular cast irons 9—55896

Francis, E.H. British coalfields 9—57931

Francis, M.A. *see* Dietz, R. 9—94122

Francis, P.G. *see* Clarke, P.H. 9—58688

Francis, R., Dobson, P.S. The effect of oxidation on the diffusion of phosphorus in silicon 9—51309

Francis, W.E. *see* Walt, M. 9—66862

Francis, W.R. *see* Loomis, W.A. 9—71757

Franck, J.P. The transition between the close-packed phases of ^4He 9—56025

Franck, J.P. A study of the transition HCP ^4He to FCC ^4He in the vicinity of the triple point 9—60596

Franck, L.A., Ackerson, K.L. Several recent findings concerning the dynamics of the Earth's magnetotail 9—80100

Franck, S. *see* Stiller, H. 9—62447

Francke, R.E. *see* Chakraborty, B.P. 9—68289

Francke, R.E. *see* Gallas, J.A.C. 9—49999

Francke, W., de Gee, A.W.J. A nondestructive method for the measurement of the adhesive bond strength of thermally sprayed nonfused coatings 9—83433

Francken, J.C. A heat pipe collector for low temperatures 9—62038

Franco, J., Patel, N.K. Photocorrosion of copper and brass in aqueous solutions of copper and ferric chlorides 9—57145

Franco, J. *see* Carrasco, L. 9—92788

Franco, J. *see* Roth, M. 9—92805

Franco, L. *see* Giorgianni, S. 9—72309

Franco, M.A. *see* Andre, Y.V. 9—94326

Franco, V. Collisions between atomic systems 9—59531

Francois, A., Pujol, L. Relations between SCF and Slater's orbital energies in closed-shell configurations of isoelectronic atoms and ions 9—89598

Francois, R.E., Jr., Carlson, F.P. Iterative Fourier approach for describing linear, multiple plane, coherent optical processors 9—94164

Francois, T. *see* Bonetti, S. 9—49509

Francois, T. *see* Ciampolillo, S. 9—71739

Francois, T. *see* Pohl, M. 9—49507

Franczak, B. *see* Agena, M. 9—54675

Frandsen, J.B. *see* Gordon, R.A. 9—65533

Franey, M.A., Lilley, J.S., Phillips, W.R. Sub-Coulomb transfer reactions on ^{208}Pb with carbon and oxygen projectiles 9—85355

Franiv, O.V. Special features in the emission spectra of CdS_xTe_{1-x} crystals at high excitation levels 9—74004

Franiv, O.V. *see* Vitrikhovskii, N.I. 9—91497

Frank, A.I. *see* Afonin, A.I. 9—68137

Frank, A.I. *see* Erozolimskii, B.G. 9—97625

Frank, C.W. *see* Drescher, G.S. 9—74448

Frank, E. *see* Quintana, G. 9—82903

Frank, F.C. *see* Giess, E.A. 9—51028

Frank, G., Kostlin, H., Rabenau, A. X-ray and optical measurements in the In_2O_3-SnO_2 system 9—55894

Frank, H. Sensitivity of MOS transistors to gamma radiation 9—67966

Frank, I.M. *see* Benetskii, B.A. 9—75952, 9—75990

Frank, J. The fate of the debris of tidal disruption by a massive black hole in a dense star cluster 9—67069

Frank, J., Goldfarb, W., Eisenberg, D., Baker, T.S. Reconstruction of glutamine synthetase using computer averaging 9—92452

Frank, J. *see* de Beer, R. 9—70524

Frank, J. *see* Liska, D. 9—76160

Frank, J.S., Browman, A.A., Gram, P.A.M., Mischke, R.E., Nagle, D.E., Potter, J.M., Redwine, R.P., Yates-Williams, M.A. Low energy π^+p and π^-p elastic scattering 9—85329

Frank, K., Kuiper, H., Obermeyer, H., Seidler, B. Measurement of the component A_{yy} of the spin-correlation tensor for p-p elastic scattering at 10 MeV 9—67592

Frank, L. *see* Vasina, P. 9—71563

Frank, L.A. *see* Kurth, W.S. 9—84590

Frank, R.I. *see* Mahan, J.E. 9—87990

Frank, S., Hynek, S.J., Stauder, J.W. Superheated containment atmosphere heat/mass transfer to passive heat sinks 9—49658

Frank, T.G. *see* Bohachevsky, I.O. 9—76137

Frank, W. The Prandtl-Meyer expansion with access of heat 9—86484

Frank, W., Seeger, A., Schindler, R. Interpretation of radiation damage in platinum. III. Migration modes and thermal conversion of self-interstitials 9—65126

Frank, W. *see* Decker, W. 9—55920

Frank, W.M. The life cycles of GATE convective systems 9—53440

Frank-Kamenetskaya, O.V. *see* Starova, G.L. 9—55735
Frank-Kamenetskii, M.D. *see* Vologodskii, A.V. 9—83702
Franke, A. *see* Seiberl, W. 9—53327
Franke, G. *see* Berger, C. 9—49519
Franke, H. *see* Trivedi, R. 9—90927
Franke, H.D. *see* Zywietz, F. 9—66490
Franke, J.M. Field-widened pinhole camera 9—97451
Franke, M. *see* Fitting, H.-J. 9—51702
Franke, R., Karanov, E., Kaneti, J. Structure-activity relationships for herbicidal N_1-aryl-N_2-alkyl thioureas 9—62176
Franke, R. *see* Kleinert, W. 9—91792
Franke, W., Heyer, H. Formation of Cr_2O_4 monocrystals on heat treatment of a Cr bearing nickel alloy 9—52455
Frankel, D.J. Critical-state model for the determination of critical currents in disk-shaped superconductors 9—99665
Frankel, H. The career of continental drift theory: an application of Imre Lakatos' analysis of scientific growth to the rise of drift theory 9—62992
Frankel, M.J. Thermal-explosion theory in an external field 9—91954
Frankel, N.E. *see* Delsante, A.E. 9—58471
Frankel, R.B. *see* Burch, T.J. 9—78055
Frankel, R.B. *see* Ripamonti, A. 9—74607
Frankel, R.F. *see* Nawrocky, R.J. 9—76209
Frankel, S. *see* Bayukov, Y.D. 9—85475, 9—93623
Franken, A.M. *see* Bonzel, H.P. 9—99404
Franken, G. *see* Meyer, J. 9—70628
Frankenberg, E. Pupillary response to light in gekkonid lizards having various times of daily activity 9—57653
Frankendal, B. *see* Bjornsson, M. 9—62362
Frankenthal, R.P. *see* Duncan, B.S. 9—70344
Frankevich, E.L. *see* Pristupa, A.I. 9—65769
Frankfurt, L.L., Strikman, M.I. On the role of short-range nucleus structure in fast backward particle production in high-energy processes 9—63670
Frankfurt, L.L. *see* Azimov, Ya.I. 9—49505
Frankignoul, C., Joyce, T.M. On the internal wave variability during the Internal Wave Experiments (IWEX) 9—57957
Frankl, D.R. Comments on 'Coherence length and/or transfer width?' 9—83090
Frankl, D.R. *see* Carlos, W.E. 9—73402
Franklin, G. *see* Milder, F.L. 9—59049
Franklin, G. *see* Paras, N. 9—63659
Franklin, M.E.B. *see* Abrams, G.S. 9—89149, 9—89174
Franklin, M.H. *see* McNutt, J.D. 9—94092
Franklin, U.M. *see* Yamada, S. 9—96040
Frankowski, A.P. *see* Gattis, J.L. 9—88175
Franks, J. Properties and applications of saddle-field ion sources 9—76239
Franks, J., Stuart, P.R., Withers, R.B. Ion-enhanced film bonding 9—83126
Franks, J., Stuart, P.R., Withers, R.B. Ion enhanced film bonding 9—95931
Franks, L.A. *see* Close, D.A. 9—85692
Franks, R.G.E. *see* Miller, C. 9—70831
Franquelin, O. *see* Bottinelli, L. 9—97067
Franse, J.J.M. Magnetovolume effects in transition metal alloys near the critical composition for ferromagnetism 9—56591
Fransson, K., Sundstrom, B., Beshai, S. Absolute transition probabilities from the 53.2 keV level in ^{105}Ag 9—49605
Fransson, K. *see* Backenstoss, G. 9—68336
Fransson, K. *see* Konijn, J. 9—86085, 9—98251
Franti, G.W. *see* Plichta, M.R. 9—74163
Frantiesek, P., Kotaka, M., Okamoto, M., Kakihana, H. A basic study for the boron thermal regeneration system using anion exchange resins 9—80972
Frantsev, Yu.E. *see* Bulgakov, V.V. 9—75909
Frantsevich, I.N., Karpinos, D.M., Tuchinskii, L.I., Kolesnichenko, L.F., Yuga, A.I., Sapozhnikova, A.B., Vishnyakov, L.R. Antifriction composites based on sintered titanium 9—70019
Frantsuzovich, Z.V. *see* Puchinskas, A.A. 9—69518
Frantz, C. *see* Casadesus, P. 9—73413
Franx, C. Solar panels for terrestrial applications 9—96442
Franz, B. The charging of lead accumulators with gel-electrolyte 9—92068
Franz, E.-M. *see* Haustein, P.E. 9—67664
Franz, G., Krataz, J.V., Bruchle, W., Folger, H., Haefner, B. Sub-Coulomb transfer and fission in collisions of ^{129}Xe, ^{132}Xe and ^{136}Xe with ^{238}U 9—67802
Franz, O.G. *see* Price, M.J. 9—66960
Franz, S.L. *see* Winn, O.H. 9—87146
Franzen, D.L., Day, G.W. LED source for determining optical detector time response at 1.06 μm 9—89004
Franzen, H.F., Hariharan, A.V. The high temperature vaporization and thermodynamics in the lutetium-sulfur system 9—73325
Franzen, H.F., Khan, A.S., Peterson, D.T. Equilibrium hydrogen pressures in the barium-hydrogen system 9—86893
Franzinetti, C. *see* Angelini, C. 9—67548
Franzone, P.C., Stefanelli, M., Viganotti, C. A distribution model of iron kinetics for clinical assessment of normal-abnormal erythropoietic activity 9—100587
Frary, R.B. *see* Ford Calhoun, W. 9—92914
Fras, E. Basic parameters of the spatial microstructure of eutectic cells at different stages of the crystallization of cast iron 9—52186
Frasca, S. *see* Amaldi, E. 9—67217
Frasca, S. *see* Bonifazi, P. 9—54031, 9—67216
Frascaria, N. *see* Tricoire, H. 9—54448
Fraser, A.B. Simple solution for obtaining a temperature profile from the inferior image 9—80035
Fraser, A.B. What size of ice crystals causes the halos? 9—96798
Fraser, A.B. *see* Mach, W.H. 9—80034
Fraser, B.J. The use of multistation networks in geomagnetic pulsation studies 9—70928
Fraser, B.J., Webster, D.J. ULF goniometer techniques for locating Pc 1 geomagnetic pulsation sources 9—70890
Fraser, J.S. Beam analysis tomography 9—49336
Fraser, J.S. *see* Garvey, P.M. 9—81060
Fraser, M.D., Loeb, S., Mehta, G.D. Assessment of the potential of generating power from aqueous saline solutions by means of osmo-hydro power systems 9—52916
Fraser, R.B. A microprocessor-based respiratory gas analyzer utilizing selective spectral emission from a glow discharge 9—100772
Fraser, S.M. *see* Kinloch, K.A.R. 9—54172
Fraser-Smith, A.C. A weekend increase in geomagnetic activity 9—79738
Frass, F. The thermodynamics of the utilization of geothermal energy 9—96416
Frati, W. *see* Bayukov, Y.D. 9—85475, 9—93623
Frati, W. *see* Deakyne, M. 9—66903, 9—80107
Fratini, T.S. *see* Khomutova, L.A. 9—76738
Frauendorf, S. *see* Donau, F. 9—97645
Frauenfelder, H., Petsko, G.A., Tsernoglou, D. Temperature-dependent X-ray diffraction as a probe of protein structure dynamics 9—92133
Frauenfelder, H. *see* Nagle, D.E. 9—63499
Frauenheim, T., Matz, W., Feller, G. Crystal field effects in $PrAl_2$ 9—56174
Frautnick, J.C. *see* Cutting, E. 9—80199
Fravalo, C., Morcrette, J.J., Fouquart, Y., Rosset, R. Diurnal evolution of a bank of stratocumulus cloud, including a radiative scheme in a diffuse atmosphere 9—84402
Fravalo, C., Rosset, R. An exhaustive formulation of the entrainment on top of a stratocumulus planetary boundary layer 9—53489
Frawley, A.D., Mateja, J.F., Roy, A., Fletcher, N.R. Resonances in the $^{11}B+^{12}C$ system 9—67731
Frawley, A.D. *see* Mateja, J.F. 9—89324
Fray, A.F., Lloyd, P. Electrical and optical properties of thin p-type films prepared by vacuum evaporation from the chalcopyrite $CuInSe_2$ 9—82697
Frayne, J. *see* Hunter, R.J. 9—90317
Frazer, D.G., Khoshnood, B. A model of the gas trapping mechanism in excised lungs 9—96604
Frazer, W. *see* McDowell, M.W. 9—72655
Frazer, W.R., Gunion, J.F. Scale breaking for quark and gluon distributions in quantum chromodynamics: a diagrammatic analysis 9—71706
Frazer, W.R., Gunion, J.F. Tests of quantum chromodynamics in two-photon collisions and high-p_T photon production 9—89129
Frazier, G.A. *see* Wiggins, R.A. 9—88296
Frazier, G.F., Wilkerson, T.D., Lindsay, J.M. Infrared photography at 5 and 10 μm 9—49328
Frazzoli, F.V., Magrini, A. Neutron gauge for measurement of high void fraction in water-steam mixtures 9—80982
Fre, P. On the mass-group associated to hadronic mass-spectrum. The role and the problems of SL(2,R) and SL(2,Z) 9—63459
Freake, S. *see* Park, J.G. 9—60994
Freasier, B.C., Jolly, D.L., Hamer, N.D., Nordholm, S. Effective vibrational potentials of bromine in argon. Monte Carlo simulation in a mixed ensemble 9—59526
Freasier, B.C. *see* Isbister, D.J. 9—67221
Frebel, M., Schenk, J. On the growth of the discontinuous precipitation reaction at individual grain boundaries in Au-40 at.% Fe alloys 9—87642
Frecaut, A. *see* Bottinelli, L. 9—97067
Frech, R., Nichols, H. Anomalous infrared reflectivity minimum in $NaNO_3$ 9—56796
Frech, R. *see* Nichols, H.F. 9—95746
Frechette, M. *see* Lachambre, J.L. 9—86189
Frecker, J.E. *see* McLean, I.S. 9—97008
Fred Moore, C. *see* Boudrie, R.L. 9—85540
Fred Moore, C. *see* Boyer, K.G. 9—85539
Fred Moore, C. *see* Cottingame, W.B. 9—85535
Fredenhagen, K. *see* Buchholz, D. 9—75686
Fredenslund, A., Rasmussen, P. Correlation of pure component Gibbs energy using UNIFAC group contribution 9—90797
Fredenslund, A. *see* Sorensen, J.M. 9—51248
Frederick, P.R. *see* Beatty, S.S. 9—83860
Frederiksen, J.S. Growth rates and phase speeds of baroclinic waves in multi-level models on a sphere 9—58022
Frederking, T.H.K. *see* Caspi, S. 9—61633
Frederking, T.H.K. *see* Soloski, S.C. 9—60575
Fredo, S. *see* Gal, J. 9—51887
Fredricks, R.W. *see* Gurnett, D.A. 9—58199
Fredrickson, J.E. *see* Hubler, G.K. 9—82248
Fredrickson, J.E. *see* Spitzer, W.G. 9—86807
Fredriksson, M., Rosen, E. Thermodynamic studies of high temperature equilibria. XX. Solid state EMF studies of sulfide-sulfate equilibria in the systems Ca-S-O and Mn-S-O 9—83492
Fredsoe, J. Unsteady flow in straight alluvial streams: modification of individual dunes 9—62535
Free, J.U., Dermer, C.D., Pipes, P.B. Temperature derivative of the electronic work function of copper at low temperatures 9—56284
Freed, E.E. *see* Powell, R.C. 9—69861
Freed, J.H. *see* Meirovitch, E. 9—78533
Freed, J.H. *see* Stillman, A.E. 9—85157
Freed, J.H. *see* Wuu-Jyi Lin 9—95629
Freed, J.H. *see* Zientara, G.P. 9—64018, 9—94014
Freed, K.F. Polymer dynamics and the hydrodynamics of polymer solutions 9—60261
Freed, K.F., Kosmas, M.K. Critical exponents from scaling with neglect of cutoffs 9—93087
Freed, K.F., Villaeys, A.A. Coherence transfer processes in vibrational relaxation of polyatomic molecules in condensed media 9—60461
Freed, K.F., Villaeys, A.A. Quantum dynamics of a molecule (atom) in a coherent radiation field 9—64053
Freed, K.F. *see* Adler, R.S. 9—64977
Freed, K.F. *see* Morse, M.D. 9—66309, 9—66310
Freed, K.F. *see* Muthukumar, M. 9—81836
Freed, P.S., Moskowitz, M.S., Kantrowitz, A., Imamura, H. Hemodynamic results with a prosthetic myocardium 9—84019
Freedhoff, H.S. Collective atomic effects in resonance fluorescence: dipole-dipole interaction 9—54806
Freedman, A., Parr, T.P., Behrens, R., Jr., Herm, R.R. Crossed molecular beams kinetics: BaO recoil velocity spectra from spin-forbidden $Ba+SO_2$ 9—74361
Freedman, A., Yang, S.-C., Bersohn, R. Translational energy distribution of the photofragments of SO_2 at 193 nm 9—74402
Freedman, J.M. *see* Curl, M.L. 9—85640
Freedman, J.M. *see* Sutherland, S.H. 9—59205
Freedman, M.I. *see* Berkey, D.D. 9—98646
Freedman, P.A., Jones, W.J. Raman absorption spectroscopy of crystals 9—61354
Freedman, P.A. *see* Radloff, P.L. 9—72312
Freedman, R.A. Relativistic thermal conductivity of nuclear matter 9—75886
Freedman, S.J., Gagliardi, C.A., Oothoudt, M.A., Nero, A.V., Robertson, R.G.H., Zutavern, F.J., Adelberger, A.G., McDonald, A.B. Decays of the lowest T=2 states in A=4N nuclei from ^{8}Be to ^{44}Ti 9—67703
Freeland, H. *see* Riser, S.C. 9—74894
Freeland, R.G., Funk, S.A., O'Korn, L.J., Wilson, G.A. The Chemical Abstracts Service Chemical Registry System. II. Augmented connectivity molecular formula 9—83542
Freeman, A.J., Desclaux, J.P. Dirac-Fock studies of some electronic properties of rare-earth ions 9—56106
Freeman, A.J., Ellis, D.E. Calculation of charge and spin densities in solids 9—87350
Freeman, A.J., Jarlborg, T. Magnetism and superconductivity in rare-earth ternary borides 9—73630
Freeman, A.J., Watson-Yang, T.J., Rath, J. Generalized susceptibilities and phonon anomalies in Pd and Pt metals 9—90953
Freeman, A.J. *see* Krakauer, H. 9—69393
Freeman, A.J. *see* Posternak, M. 9—95328
Freeman, A.J. *see* Wang, C.S. 9—60938, 9—73560, 9—78146
Freeman, A.J. *see* Zunger, A. 9—95324
Freeman, B.L. The estimation of creep crack growth rates by reference stress methods 9—50663
Freeman, C.G., Harland, P.W., McEwan, M.J. Laboratory investigation of ion-molecule reactions of HC_3N in dense interstellar clouds 9—57221
Freeman, C.G., Harland, P.W., McEwan, M.J. Thermal energy charge transfer reactions of acetone and biacetyl 9—87828
Freeman, D.E., Yoshino, K., Tanaka, Y. Emission spectrum of rare gas dimers in the vacuum UV region. II. Rotational analysis of band system I of Ar_2 9—98119
Freeman, D.L. *see* Monkhorst, H.J. 9—60219
Freeman, D.L. *see* Pack, J.D. 9—60698
Freeman, E.C., Paul, W. Optical constants of RF sputtered hydrogenated amorphous Si 9—95866
Freeman, F.J., Ushijima, T. Laryngeal muscle activity during stuttering 9—57675
Freeman, G.R. *see* Fang-Yuan Jou 9—78698
Freeman, G.R. *see* Gyorgy, I. 9—72984, 9—91114
Freeman, G.R. *see* Wada, T. 9—90369

Freeman, J., Paresce, F., Bowyer, S. The local interstellar helium density: corrected 9—92834
Freeman, J. *see* Brandelik, R. 9—63491, 9—93441
Freeman, J. *see* Spoto, T. 9—79681
Freeman, J.A. *see* Wunk, D.F. 9—74817
Freeman, J.H. Some general considerations of ion beam production and manipulation 9—93256
Freeman, J.M. *see* Burcham, W.E. 9—93619
Freeman, J.R., Jones, C.E. Avoidance of pomeron-f identity through systematic treatment of overlap contributions to the cylinder 9—71731
Freeman, J.R., Jones, C.E. Doubling of the cylinder contribution in the topological expansion and Pomeron-f identity 9—97539
Freeman, J.W. *see* Hardy, D.A. 9—53666
Freeman, K.C. *see* Lichten, S.M. 9—97030
Freeman, K.C. *see* Norris, J. 9—71025
Freeman, L.B. The calculational model used for the nuclear analysis of LWBR 9—67842
Freeman, L.B. *see* Natelson, M. 9—67931
Freeman, L.J., Miller, C.M. Holding fixture for optical fiber array connectors 9—55241
Freeman, L.M. *see* Keim, H.J. 9—79635
Freeman, M. *see* Nottenburg, R. 9—63271
Freeman, M.L. *see* Raaphorst, G.P. 9—74727
Freeman, N.C. A two dimensional distributed soliton solution of the Korteweg-de Vries equation 9—49376
Freeman, P.R., Elmore, W. A test for the significance of astronomical alignments 9—96928
Freeman, R. *see* Leviti, M.H. 9—93197
Freeman, R. *see* Morris, G.A. 9—94013
Freeman, R.G. *see* Kulacki, F.A. 9—77113
Freeman, R.L. *see* Hensen, T.H. 9—73056
Freeman, R.M., Haas, F., Heusch, B., Lee, S.M. Comparison of the γ-ray yield functions for the $^{12}C+^{24}Mg$ and $^{16}O+^{28}Si$ reactions 9—93492
Freeman, R.M. *see* Kolata, J.J. 9—67808
Freeman, R.R. *see* Rooney, T.A. 9—83529
Freeman, R.W., Tavlarides, L.L. Observations of the instabilities of a round jet and the effect of cocurrent flow 9—60045
Freeman, T.L., Mitchell, J.W., Audit, T.E. Performance of combined solar-heat pump system 9—88000
Freeman, W.T. *see* Eshleman, V.R. 9—53731
Freeouf, J.L. Electronically adjusted nonmechanical mirror 9—98482
Freeouf, J.L., Woodall, J.M. Electro-absorption controlled mirror 9—98483
Freer, J. *see* Tokuhiro, T. 9—99781
Freer, R. An experimental measurement of cation diffusion in almandine garnet 9—77812
Frees, L.C., Pearl, P.L., Koski, W.S. Cross section for the reaction $Cl^+(CO, O)CCl^+$: heat of formation of CCl^+ 9—61843
Freese, H., Doring, W. The relation bewteen internal strain and the strain tensor simplified by group theory 9—86835
Freestone, I.C. *see* Hamilton, D.L. 9—57928
Frehland, E. Theory of transport noise in membrane channels with open-closed kinetics 9—100579
Frehse, H. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Frehse, J., Mosco, U. On the regularity of weak solutions of some nonlinear variational and quasi variational irregularities of the stochastic control 9—54053
Frei, A.K. *see* Samsonov, B.V. 9—97828
Frei, C. *see* Bommeli, B. 9—91366
Freiberg, A., Kukk, P. Vibronic and resonance Raman spectra of NO_2^- impurity ions in the body-centered alkali halide crystals 9—87468
Freiberg, A.M., Treshchalov, A.B., Sil'd, O.I. Polarization of the luminescence and reorientation processes of NO_2^- centers in CsBr and CsI crystals 9—95823
Freidberg, J.P., Dagazian, R.Y., Barnes, D.C. Equilibria of diffuse high beta stellarators 9—64897
Freidin, A.S. *see* Kandyrin, L.B. 9—57030
Freidin, B. *see* Velmre, E. 9—65542
Freidman, G.I. *see* Babin, A.A. 9—72629
Freidmann, H., Wilson-Gordon, A.D. Application of time-resolved resonance Raman spectroscopy to the study of rapid intramolecular radiationless transitions 9—76434
Freidrich, F.J. *see* Klein, H. 9—57366
Freidzon, Ya.S., Shibaev, V.P., Agranovich, I.M., Pautov, V.D., Anufrieva, E.V., Plate', N.A. Structuring in cholesterol-containing liquid crystalline polymers 9—55665
Freier, P.S., Waddington, C.J. Nucleus-nucleus collisions at a mean E=20 GeV/nucleon 9—58988
Freihaut, B.H. *see* Anderson, J.B. 9—68180
Freik, D.M., Rarenko, I.M., Solonichnyi, Ya.V., Maslyak, N.T., Tsidylo, K.V. Precise determinations of lattice periods by axial X-ray photography 9—68974
Freik, D.M., Solonichnyi, Ya.V., Maslyak, N.T. Films of PbTe grown in quasiequilibrial conditions 9—52117
Freik, D.M., Solonichnyi, Ya.V., Maslyak, N.T., Kostik, B.F. Epitaxial layers of $Sn_{1-x}Pb_xTe$ and $PbTe_{1-x}Se_x$ 9—87587
Freiman, S.W., Gonzalez, A.C., Mecholsky, J.J. Mixed-mode fracture in soda-lime glass 9—79083
Freiman, S.W. *see* McKinney, K.R. 9—99462
Freiman, Yu.A. *see* Krupskii, I.N. 9—55696
Freindl, L. *see* Planeta, R. 9—93640
Freinhar, J.P. *see* Konowalow, D.D. 9—97997
Freis, R.P. *see* Turner, W.C. 9—86589
Freitas, C.R.de *see* de Freitas, C.R.
Freitas, I. *see* Cova, S. 9—49303
Freitas, J.E., Grekin, R.J., Thrall, J.H., Gross, M.D., Swanson, D.P., Beierwaltes, W.H. Adrenal imaging with iodomethyl-norcholesterol (I-131) in primary aldosteronism 9—79634
Freitas, J.E. *see* Carey, J.E. 9—79660
Freitas Pacheco, J.A.De *see* De Freitas Pacheco, J.A.
Freivert, K.M. *see* Bagaev, S.A. 9—98492
Frejaville, G. *see* Beslu, P. 9—59182
Frejlich, J., Knoesel, R. Spectral sensitivity improvement of a commercial negative photoresist: Kodak microresist 747 9—66304
Frejlich, J. *see* Cescato, L. 9—78766
Frekers, D. *see* Lohner, H. 9—93642
Freller, H. Structure-property relationships in heteroepitaxial InAs and InSb thin films 9—82480
Fremlin, J.H. *see* Mountford, P.J. 9—49899
Fremlin, J.H. *see* Stammers, K. 9—79642
Fremlin, J.H. *see* Vartsky, D. 9—92441
Fremouw, E.J., Rino, C.L. A signal-statistical and morphological model of ionospheric scintillation 9—58185
French, A.S. The effect of light adaptation on the dynamic properties of phototransduction in the fly, Phormia regina 9—53109
French, B.R. *see* Armstrong, T.A. 9—85344
French, B.R. *see* Evangelista, C. 9—75788, 9—80843
French, H. *see* Baltay, C. 9—75770
French, H. *see* Efremenko, V.I. 9—75763
French, I.E., Weinrich, P.F. The shear mode of ductile fracture in a spheroidized steel 9—61714
French, I.E., Weinrich, P.F. The shear mode of ductile fracture in mild steel 9—91785
French, I.E., Weinrich, P.F., Weaver, C.W. Hydrogen embrittlement of spheroidised steel 9—57109
French, J. *see* Howland, H.C. 9—62242
French, J.R., Stuart, J.R., Zeldin, B. New concepts for Mercury orbiter missions 9—80197
French, P.M. *see* McCall, J.L. *(editor)* 9—61832
French, R. *see* Gierasch, P. 9—75133
French, R.G., Elliot, J.L. Occultation of ϵ Geminorum by Mars. III. Temperature structure of the Martian upper atmosphere 9—53749
French, R.H., Raj, R. Use of the double torsion method to study crack propagation in an adhesive layer 9—83412
French, W.G. *see* Cohen, L.G. 9—64320
French, W.G. *see* Lazay, P.D. 9—50463
Frenchko, V.S. *see* Dutchak, Ya.I. 9—77494, 9—86673
Freniere, E.R., O'Neill, E.L., Walther, A. Problem in the determination of correlation functions. II 9—71396
Frenkel', A.L., Ul'yanov, N.A. Improved electromechanical drive response in assisted-circulation equipment 9—100790
Frenkel, D., McTague, J.P. On the Raman spectrum of argon dimers 9—64009
Frenkel, D., McTague, J.P. Evidence for an orientationally ordered two-dimensional fluid phase from molecular-dynamics calculations 9—73095
Frenkel, J. On the quantization and asymptotic freedom of Yang-Mills theory in the temporal gauge 9—80754
Frenkel, S.Ya. *see* Khlebtsov, N.G. 9—72496, 9—98286
Frenkel', S.Ya. *see* Poddubnyi, V.I. 9—69033
Frenkel', S.Ya. *see* Romankevich, O.V. 9—51240
Frenkiel, F.N., Klebanoff, P.S., Huang, T.T. Grid turbulence in air and water 9—94595
Frenkiel, P. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Frenzel, H., Singh, B.R., Haberle, K., Balk, P. Chlorine incorporation and electrical properties at silicon surfaces oxidized in trichloroethylene-oxygen 9—91827
Frerking, M.A., Langer, W.D., Wilson, R.W. Determination of the hyperfine structure of $HN^{13}C$ and HNC 9—101182
Frerking, M.A. *see* Abbas, M.M. 9—100971
Frese, H., Gloer, U., Haller, H., Hochweller, G., Holm, K., Kewisch, J., Krechlok, W., Maass, J., Peters, F., Schmitz, R., Stadtmuller, R., Wagner, H. First experience with the PETRA Control System 9—72083
Frese, H., Hochweller, G. The Serial Data Acquisition System at PETRA 9—72085
Frese, H. *see* Hochweller, G. 9—72084
Frese, K.W., Jr., Morrison, S.R. Electrochemical measurements of interface states at the GaAs/oxide interface 9—99626
Freshley, M.D., Brite, D.W. Fabrication-related effects on LWR fuel performance 9—59238
Freshley, M.D., Brite, D.W., Daniel, J.L., Hart, P.E. Irradiation-induced densification and PuO_2 particle behavior in mixed-oxide pellet fuel 9—49684
Freund, F. *see* Krokoszinski, H.-J. 9—99820
Freund, H.-J., Hohlneicher, G. Comparative study of adsorbate systems and corresponding compounds using X-ray and UV-photoemission. I. Hexagonal (0001) Co/CO,O_2 versus oxides and carbonyls 9—74050
Freund, H.P., Lee, L.C. Induced emission of extraordinary mode radiation in Tokamaks 9—64838
Freund, I. *see* Roth, S. 9—53046
Freund, L.B. The mechanics of dynamic shear crack propagation 9—84147
Freund, L.B. *see* Burridge, R. 9—84148
Freund, P.G.O. Monopoles, topology, symmetry 9—49370
Freund, P.G.O., Hill, C.T. Is the b quark a member of a color sextet? 9—71712
Freund, R.S. *see* Jost, R. 9—72353
Freund, R.S. *see* Schiavone, J.A. 9—68324, 9—89790
Freund, S.M. *see* Ritter, J.J. 9—50151
Freund, S.M. *see* Stephenson, J.C. 9—66286
Freund, T. Tribo-electricity 9—78157
Frey, A., Lemke, D., Fahrbach, U., Thum, C. Near infrared observations of NGC 2024 9—58393
Frey, E., Lagaly, G. Selective coagulation in mixed colloidal suspensions 9—74426
Frey, F., Schneider, J., Prandl, W., Zeyen, C., Ziebeck, K. The HCP-FCC transition in pure Co investigated by neutron scattering 9—51252
Frey, H. Thaumasia: a fossilized early forming Tharsis uplift 9—70983
Frey, H. Fusion reactor or fast breeder 9—93832
Frey, H. *see* Muller, W. 9—100053
Frey, H. *see* Radler, K. 9—90908
Frey, R. *see* Debrie, J. 9—49290
Frey, U., Hohenstein, H., Kreische, W., Meinhold, M., Niedrig, H., Pechtl, U., Reuter, K. Temperature dependence of the electric field gradient for ^{111}Cd in antimony 9—51894
Freyer, P. *see* Busch, N. 9—74455
Freyhardt, H.C., Winzer, K., Schroter, W. Superconducting properties of magnetically ordering $(Me)_{1+x}Mo_6S_8$ molybdenum sulfides 9—56373
Freyland, W. *see* Munster, P. 9—61397
Freymuth, P. Velocity-induced harmonics for the thin-wire resistance thermometer 9—49226
Freytag, D. *see* Biel, J. 9—89309
Freytag, D.R. *see* Cuatis, C.V. 9—89193
Freze, N.I. *see* Mil'man, Yu.V. 9—100238
Frezouls, J.V. *see* Evrard, M. 9—83365
Friaa, A., Such, C. A rheological model of Maxwell-Norton type for a highway bitumen 9—64614
Friar, J.L. A note on spin-flip electric dipole transitions 9—63936
Friar, J.L. Measurability of the deuteron D state probability 9—89246
Friar, J.L. Approximate normalized wave functions for the finite-size Coulomb problem 9—94115
Friauf, R.J., Noolandi, J., Hong, K.M. Calculation of scavenging yield from the initial distribution of electrons in radiolysis of hydrocarbon solutions 9—87860
Friberg, A.T. On the existence of a radiance function for finite planar sources of arbitrary states of coherence 9—50208
Friberg, S.E. *see* Moucharafieh, N. 9—60266, 9—94885
Fribourg-Blanc, P.N., Dupeux, M., Bonnet, R., Guenin, G. Determination by extensometry and ultrasonics measurement of six elastic constants of $CuAl_2$ crystal. Anisotropy discussion 9—50683
Frick, H.H. Optimal linear combinations of accounting data for the detection of nonconstant losses 9—81057
Frick, M.P., Knight, L.C., Feinberg, S.B., Loken, M.K., Gedgaudas, E. Computer tomography, radionuclide imaging and ultrasonography in hepatic mass lesions 9—88211
Frick, R. *see* Schiemenz, P. 9—85450
Frick, U. *see* Reynolds, J.H. 9—62796
Fricke, B. *see* Hartung, H. 9—68298, 9—72269
Fricke, J., Noack, G., Spiegel, K. Surface friction measurements. I 9—68668
Fricke, J., Noack, G., Spiegel, K. Measurements on lubricated sliding surfaces. II. Friction measurements 9—81826
Fricke, K.H. *see* von Zahn, U. 9—80255
Fricke, K.J. *see* Biermann, P. 9—67090, 9—67091
Fricke, W. Satellite lines in the optical absorption spectra of doped $(La,Pr)Cl_3$-crystals. I. Energy levels and Zeeman-effect of non-Kramers ions in a distorted hexagonal lattice 9—65911
Fricke, W. Satellite lines in the optical absorption spectra of doped $(La,Pr)Cl_3$-crystals. II. Experimental results 9—65912
Fricke, W. Zero magnetic field splitting and anomalies of intensities in the Zeeman spectra of $La(Pr)Cl_3$-crystals 9—91482
Fricke, W. *see* Tsioumis, A. 9—67089
Fricker, B.R. The microprocessor in real-time Fourier analysis 9—67266
Friden, H. The dynamic picture technique: uplift for the gamma camera 9—70607
Fridh, C. Electronic excitation of acetonitrile, methylisonitrile and propyne 9—72434

Fridh, C. *see* Lindholm, E. 9—50081
Fridieu, R. *see* Lister, C.J. 9—93493
Fridkin, V.M., Nitschie, R., Korchagina, N., Kosonogov, N.A., Magomadov, R., Rodin, A.I., Verkhovskaya, K.A. Photoferroelastic phenomena in Sb_5O_7I crystals 9—95447
Fridkin, V.M. *see* Pikka, T.A. 9—100418
Fridleifsson, I.B. Applied volcanology in geothermal exploration in Iceland 9—74877
Fridlendr, L.M. *see* Shcherbinskii, V.G. 9—79212
Fridlyander, I.N., Senatorova, O.G., Gubareva, T.F. Kinetics of two-stage aging of alloy V95 9—83238
Fridlyander, I-N-., Klyagina, N.S., Sandler, V.S., Nikol'skaya, T.I. Structure of SAS-1 sintered aluminium alloy 9—52135
Fridman, A. *see* Braun, H. 9—58969, 9—93450
Fridman, A.A. *see* Legasov, V.A. 9—91947
Fridman, A.A. *see* Zubarev, A.L. 9—54460
Fridman, A.E. Standardization of measuring-equipment metrological reliability 9—80568
Fridman, A.M. Shock waves in a rotating gaseous disk with gravitation 9—88749
Fridman, I.V. *see* Buraygina, G.I. 9—87645
Fridman, L.A. *see* Mikheev, M.N. 9—70277
Fridman, L.A. *see* Tabachnik, V.P. 9—50190
Fridman, L.N. *see* Shabalin, V.N. 9—74183
Fridman, M.L., Peshkovskii, C.L., Popov, V.L. Behavior of a liquid on the surface of an acoustic radiator 9—94573
Fridman, M.L. *see* Ledvin, N.K. 9—98780
Fridman, M.R. *see* Voronov, N.I. 9—76800
Fridman, S.A. *see* Arapova, E.Y. 9—52021
Fridman, S.A. *see* Vinogradov, Ye.A. 9—93168
Fridman, V.E. *see* Ostrovskii, L.A. 9—94395
Fridman, V.E. *see* Pelinovskii, E.N. 9—64377, 9—98526
Fridman, V.M. *see* Iofin, L.E. 9—81755
Fridman, V.M. *see* Sussi, I.R. 9—68662
Fridman, V.S. *see* Chernyavskaya, S.G. 9—57019
Fridman, Yu.B. *see* Shchurov, A.F. 9—96092
Fridman, Z.G. *see* Ivanova, V.S. 9—57164
Fridrikhsberg, D.A. *see* Sidorova, M.P. 9—56068
Friebele, E.J., Griscom, D.L., Stapelbroek, M., Weeks, R.A. Fundamental defect centers in glass: the peroxy radical in irradiated, high-purity, fused silica 9—61222
Friebele, E.J., Schultz, P.C., Gingerich, M.E., Hayden, L.M. Effect of B, P, and OH on the radiation response of Ge-doped silica-core fiber-optic waveguides 9—50419
Friebele, E.J. *see* Bishop, S.G. 9—65918
Friebele, E.J. *see* Griscom, D.L. 9—82876
Friebele, E.J. *see* Stapelbroek, M. 9—65729
Fried, D.L. Resolution, signal-to-noise ratio, and measurement precision 9—59643
Fried, D.L. Angular dependence of the atmospheric turbulence effect in speckle interferometry 9—101080
Fried, R.L., Newell, J.C., Powers, S.R., Jr. Anatomic deadspace measurement in mechanically ventilated patients 9—96694
Fried, S. *see* Seitz, M.G. 9—67893
Fried, S. *see* Strickert, R. 9—49721
Friedberg, C.B., Rex, A.F., Ruvalds, J. Superconducting hydrides of $PdAl_x$ and $PdIn_x$ alloys 9—87182
Friedberg, C.B. *see* Brown, R.L. 9—78082
Friedberg, S.A. *see* Johnson, P.B. 9—61076, 9—73736
Friedberg, S.A. *see* Karnezos, M. 9—61080, 9—73695
Friedel, J. Plasticity of liquid crystals 9—86686
Friedel, J. *see* Noguera, C. 9—69445
Friedel, J. *see* Pieranski, P. 9—96370
Friedemann, C. *see* Dorschner, J. 9—80344
Friedemann, C. *see* Gurtler, J. 9—101217
Friedenberg, R.A. Construction of isodose contour maps for the TFTR 9—67949
Friedenberg, R.A. *see* Huang, R. 9—49852
Friedenthal, E. *see* Mendecki, J. 9—62296, 9—100696
Friederich, A., Boucher, B., Fert, A. Electron paramagnetic resonance in Nd-Ag amorphous alloys 9—65727
Friederich, A., Kaplan, D. Light-induced ESR in amorphous silicon 9—69721
Friederich, A. *see* Schlenker, C. 9—78337
Friederich, G.E. *see* Codispoti, L.A. 9—57971
Friedjung, M. Upper limits for the Li/Na ratio in novae 9—101156
Friedlaender, F.J. *see* Jones, C.A. 9—51827
Friedland, E., Lombaard, J.M. Energy straggling of protons in nickel 9—77652
Friedland, L., Kagan, Yu.M. The theory of electron current to a spherical probe at intermediate pressures 9—55556
Friedlander, B. *see* Denton, R.V. 9—72522, 9—98299
Friedlander, E.M. How fast does the multiplicity of particle production in p-p collisions really increase with primary energy? 9—58979
Friedlander, E.M., Weiner, R.M. Evidence from very large transverse momenta of a change with temperature of velocity of sound in hadronic matter 9—71725
Friedlander, S.K. *see* Miguel, A.H. 9—74563
Friedlander, S.K. *see* Stelson, A.W. 9—88389
Friedli, C., Schweikert, E.A. A simple method for preparing thin beryllium targets 9—63854
Friedman, A. *see* Caffarelli, L.A. 9—93906
Friedman, A. *see* Evans, L.C. 9—72936
Friedman, A.J. Contemporary American physics fiction 9—58517
Friedman, A.M. *see* Ahmad, I. 9—89224
Friedman, A.M. *see* Seitz, M.G. 9—67893
Friedman, A.M. *see* Strickert, R. 9—49721
Friedman, C.N. *see* Dollard, J.D. 9—75378, 9—97234
Friedman, D.H. Multichannel zero-crossing-interval pitch estimation 9—64427
Friedman, E. Pionic atoms and strongly bound states 9—86084
Friedman, E. *see* Batty, C.J. 9—76535
Friedman, E. *see* Gils, H.J. 9—97716
Friedman, G.M. *see* Neev, D. 9—57907
Friedman, H. A survey of the X-ray sky with HEAO A-1 9—58246
Friedman, H., Wood, K.S. X-ray astronomy with HEAO 1 9—62722
Friedman, H. *see* Johnson, M.W. 9—92874
Friedman, H.L., Holz, M., Hertz, H.G. EPR relaxations of aqueous Ni^{2+} ion 9—69713
Friedman, I. Zoom and multiconfiguration optimization using the indices of refraction to represent zoom modes 9—86232
Friedman, I. *see* Smith, G.I. 9—100918
Friedman, J.I. *see* Cutts, D. 9—85346
Friedman, J.M. The nature of the Raman damping constant and its effect upon resonant light scattering from molecular systems in the weak field limit 9—94005
Friedman, L. The Hall effect in ordered and disordered systems 9—51605
Friedman, L. *see* Beuhler, R.J. 9—59557
Friedman, M. The C.P.A. (a collective particle accelerator) 9—76165
Friedman, M. *see* Lockner, T.R. 9—72021
Friedman, M.H.F. *see* Tansy, M.F. 9—100676
Friedman, R.B., Sunming Cheung, Entine, S., Bartell, T. Verbal communication aid for nonvocal patients 9—57816
Friedmann, H. Ion accelerators and their use for controlled thermonuclear reactions 9—67933
Friedmann, P. *see* Rosen, A. 9—64518
Friedrich, D.M., Klem, S.A. Excited triplet state polarizabilities in laser induced refractive index transients 9—87411
Friedrich, G., Stickelmann, J. Operating experience with the automatic evaluation of rod dosimeters during refueling shutdown at Stade nuclear power station in 1978 9—67960
Friedrich, H., Sonntag, B., Rabe, P., Butscher, W., Schwarz, W.H.E. Term-values and valence—Rydberg mixing in core-excited states SiH_4 and PH_3 9—76444
Friedrich, H. *see* Cassing, W. 9—75410
Friedrich, H.R. *see* Rourke, M.D. 9—50418
Friedrich, H.R. *see* Tangonan, G.L. 9—50429
Friedrich, J. *see* Weinzierl, G. 9—59372
Friedrich, K. *see* Donat, H. 9—75507
Friedrich, L. *see* Bechtold, V. 9—54654, 9—68012
Friedrich, M., Karthe, W. Structure and kinetics of Fe^{3+}-doped $PbMoO_4$ 9—99760
Friedrich, P., Placzek, W. An apparatus for time-to-failure determination of thermoplastic pipes under long-term hydrostatic pressure 9—74328
Friedrich, S., Bode, C., Flock, W. Investigation of the diffusion in bidisperse structured catalysts by gas chromatography. A note on the time domain solution 9—70372
Friedrich, S. *see* Kuske, A. 9—59952
Friedrichs, K.O. Remarks on the notion of state in quantum mechanics 9—84978
Friedt, J.M., Petridis, D., Sanchez, J.P., Reschke, R., Trautwein, A. Structural and magnetic properties of $N(C_2H_5)_4FeI_4$ and $N(C_4H_9)_4FeI_4$ from combined ^{57}Fe and ^{129}I Mossbauer spectroscopies 9—61282
Friedt, J.M., Poinsot, R., Rebizant, J., Muller, W. ^{237}Np Mossbauer study of the after effects of the ^{241}Am α-decay in some metallic and insulating hosts 9—61271
Friedt, J.M., Shenoy, G.K., Dunlap, B.D., Westlake, D.G., Aldred, A.T. Magnetic and crystal-field properties of dysprosium dihydrides and trihydrides from ^{161}Dy Mossbauer studies 9—95692
Friedt, J.M., Suits, B., Shenoy, G.K., Dunlap, B.D., Westlake, D.G. Magnetic properties of dihydrides and dideuterides of Er and Ho 9—78578
Friedt, J.M. *see* De Jesus Filho, M.F. 9—51890
Friedt, J.M. *see* Sanchez, J.P. 9—60776, 9—91320
Friedt, J.M. *see* Viccaro, P.J. 9—78579
Friehe, C.A., Pazan, S.E. Performance of an air-sea interaction buoy 9—70894
Friehe, C.A. *see* Antonia, R.A. 9—62580, 9—88434
Friehe, C.A. *see* Schmitt, K.F. 9—66701
Friel, S., Johnstone, A.H. Scoring systems which allow for partial knowledge 9—48994
Frielinghaus, R. Ultrasonic testing of austenitic steels 9—74316
Friend, R.H. Periodic lattice distortions and charge density waves in one- and two-dimensional systems 9—82536
Friend, R.H., Jerome, D. Periodic lattice distortions and charge density waves in one- and two-dimensional metals 9—60678
Friend, R.H., Liang, W.Y., Mikkelsen, J.C., Yoffe, A.D., Jerome, D. Transport properties of TiS_2 and $TiSe_2$ under pressure 9—95410
Friend, R.H. *see* Liang, W.Y. 9—61379
Fries, R.W. *see* Modestino, J.W. 9—81374
Fries, S.G. *see* Livi, F.P. 9—82901
Friese, K.H. *see* Esper, F.J. 9—70175
Friesel, D.L., Jones, W.P., Collins, J.C. Isochronization studies of the IUCF 200 MeV cyclotron 9—72087
Friesel, D.L., Jones, W.P., Kowalski, E.A. Isochronism studies at IUCF 9—54720
Friesem, A.A. *see* Kritchman, E.M. 9—88003, 9—94315
Friesem, A.A. *see* Levy, U. 9—89871
Friesen, E.J. *see* Agarwal, S.K. 9—83940, 9—92394
Friesenhahn, S. *see* Steinman, D.K. 9—53569
Friesner, R., Nairn, J.A., Sauer, K. Direct calculation of the orientational distribution function of partially ordered ensembles from the EPR line shape 9—87305
Frigieri, P.F., Rossi, F.B. Calibration of photographic emulsions by cubic spline functions and application in spectrochemical analysis 9—79321
Frigo, C., Pedotti, A. A model of the mechanism controlling neuromuscular activation during ambulation based on feedback control hypothesis 9—57638
Friichtenicht, J.F. *see* Wicke, B.G. 9—100385
Frikkee, E. *see* Basten, J.A.J. 9—51752, 9—61109, 9—73737
Frikkee, E. *see* Bevaart, L. 9—82782
Frikkee, E. *see* van Uijen, C.M.J. 9—61062, 9—61065
Friling, L. *see* Lockwood, J.A. 9—75063
Friman, B.L., Dhar, A.K. Sum rules for Landau parameters in nuclear matter 9—80892
Friman, B.L., Maxwell, O.V. Neutrino emissivities of neutron stars 9—97016
Frimout, D. *see* Ackerman, M. 9—84432
Frimout, D. *see* Besson, J. 9—80202
Frind, E.O., Pinder, G.F. A collocation finite element method for potential problems in irregular domains 9—54072
Frind, E.O., Verge, M.J. Three-dimensional modeling of groundwater flow systems 9—84318
Frind, E.O. *see* Chorley, D.W. 9—79905
Fringuelli, F. *see* Clementi, S. 9—49957
Fripiat, J.J. *see* Prigogine, M. 9—79284
Frisby, J.P. *see* Kidd, A.L. 9—100617
Frisch, H.J. *see* Shochet, M.J. 9—63474
Frisch, H.L., Forgacs, G. Inverse dynamical problem for the Liouville equation 9—97305
Frisch, H.L. *see* Chui, S.T. 9—93069
Frisch, M. *see* Cuomo, J.J. 9—78886
Frisch, O. The life and times of Albert Einstein 9—71212
Frisch, U. *see* Bardos, C. 9—94594
Frisch, U. *see* Sulem, C. 9—50803
Frisch, U. *see* Sulem, P.L. 9—50713
Frisch, W. *see* Mauritsch, H.J. 9—53307
Frish, S.E. *see* Razumovskaya, L.P. 9—75578
Frish, S.E. *see* Ryazanov, N.S. 9—93211
Frishman, A.M. *see* Vinikovetskii, I.A. 9—87249
Frisk, G.V. Inhomogeneous waves and the plane-wave reflection coefficient 9—90059
Frit, B., Pressigout, R. On a new solid phase of ternary thallium-tellurium-oxygen Tl_6TeO_6 9—65037
Frit, B. *see* Simon, A. 9—55886
Frith, R.A. *see* Fyson, W.K. 9—100834
Fritsberg, V.Ya., Perro, I.T. Low-temperature phase transition in lead magnoniobate and solid solutions based on it 9—69788
Fritsch, E.F., Lawn, R.M., Maniatis, T. Characterisation of deletions which affect the expression of fetal globin genes in man 9—70519
Fritsch, H. Quark masses and flavour mixing 9—80811
Fritsch, H.E., Huber, J.R. Photoconduction of thin evaporated layers of anthracene, 5,10-diphenylphenaziñe, alloxazine and lumichrome 9—78129
Fritsch, P., Rotermund, U., Schlegel, K. Studies on the mutual effects of physical and chemical structure in the heat treatment of polyurethane elastomers 9—57229
Fritsch, W., Wille, U. On the theory of molecular-orbital X-rays 9—72334
Fritsche, L., Rafat-mehr, M., Glocker, R., Noffke, J. Electronic structure calculations by the linear rigorous cellular method 9—51468
Fritsche, L. *see* Gollisch, H. 9—51464
Fritschka, E. *see* Matakas, F. 9—83837
Fritts, D.C. The excitation of radiating waves and Kelvin-Helmholtz instabilities by the gravity wave-critical level interaction 9—88427
Fritts, M.J., Boris, J.P. The Lagrangian solution of transient problems in hydrodynamics using a triangular mesh 9—64678
Fritz, G. *see* Johnson, M.W. 9—92874

Fritz, I.J. *see* Yarberry, V.R. 9—67268
Fritz, J. Stochastic dynamics of two-dimensional infinite-particle systems 9—80512
Fritz, J.J., Goto, T., Kuntz, R.L. Magnetic and thermodynamic properties of potassium ferricyanide below 0.4K in magnetic fields up to 16300 G directed along the crystallographic a axis 9—56542
Fritz, J.S. *see* Chang, R.C. 9—52854
Fritz, P., Reardon, E.J., Barker, J., Brown, R.M., Cherry, J.A., Killey, R.W.D., McNaughton, D. The carbon isotope geochemistry of a small groundwater system in northeastern Ontario 9—84324
Fritze, P. *see* Barnham, K.W.J. 9—85293
Fritzsch, H. Theoretical aspects of neutrino interactions at low energies 9—67538
Fritzsch, H. Flavour mixing and quark masses in sequential flavour dynamics 9—80802
Fritzsch, H. Chromodynamic theory of hadrons 9—93367
Fritzsch, H. How to discover the B mesons 9—97621
Fritzsche, C.R. *see* Rothemund, W. 9—90691
Fritzsche, H., Tanielian, M., Tsai, C.C., Gaczi, P.J. Hydrogen content and density of plasma-deposited amorphous silicon-hydrogen 9—82472
Fritzsche, H. *see* Chroboczek, J. 9—95412
Fritzsche, H. *see* Tsai, C.C. 9—56874
Frizel', V.V. *see* Belyi, N.M. 9—69433, 9—73950
Frketich, G. *see* Lepp, R.M. 9—85697, 9—97852
Frobose, K. *see* Jackle, J. 9—60782
Frodesen *see* Aahlin, P. 9—93468
Froehle, P.H. *see* Page, R.J. 9—49763, 9—93755
Froehlich, G., Mueller, G., Unger, H. Analysis of shapes of solidified melts from entrapment experiments 9—54550
Froehly, C. *see* Colombeau, B. 9—72494
Froehly, C. *see* Madjidi-Zolbanine, H. 9—86226
Froelich, B., Jasse, B., Noel, C., Monnerie, L. Molecular dynamics of polystyrene model molecules: ultrasonic relaxation of 2,4-di(parabromophenyl)pentane 9—73258
Froes, F.H. *see* Yolton, C.F. 9—56975
Froesch, D. *see* Boyle, P. 9—66467
Froeschle, C. *see* Benettin, G. 9—80562
Froese, A.B. *see* Kattan, M. 9—62379
Frogel, J.A. *see* Persson, S.E. 9—58412
Frohberg, G. *see* Bose, A. 9—65238
Frohberg, G. *see* Kraatz, K.-H. 9—55919
Frohberg, G. *see* Macht, M.-P. 9—86917
Frohlich, C. Do springboard divers violate angular momentum conservation? 9—84884
Frohlich, H., Shimoda, T., Ishihara, M., Nagatani, K., Udagawa, T., Tamura, T. Alpha-transfer reactions with large energy transfers 9—67767
Frohlich, H. *see* Ishihara, M. 9—80951
Frohlich, J. The charged sectors of quantum electrodynamics in a framework of local observables 9—58908
Frohlich, J. Confinement in Z_n lattice gauge theories implies confinement in SU(n) lattice Higgs theories 9—58930
Frohlich, J., Morchio, G., Strocchi, F. Charged sectors and scattering states in quantum electrodynamics 9—80775
Frohlich, J., Zankel, H. The influence of the proton charge form factor on the Coulomb effect 9—49534
Frohlich, J., Zankel, H. The Coulomb contribution to π^+-p phase shifts 9—67605
Frohlich, J. *see* Brydges, D. 9—67465
Frohlich, J. *see* Streit, L. 9—67589
Frohliger, J.P. *see* Alzona, J. 9—83654
Frohn, A. *see* Braun, D. 9—94459
Frohn, A. *see* Garen, W. 9—94679
Frohn, A. *see* Synofzik, R. 9—98761
Froidevaux, C. *see* Durham, W.B. 9—79827
Froidevaux, D. *see* Bourquin, M. 9—71768
Froidevaux, P., Guillaume, A. Contribution to the structural analysis of Ligurian and Piemontese Alps by the study of the terrestrial magnetic field 9—57896
Frois, B. *see* Platchkov, S.K. 9—93541
Froissart, F. *see* Dogil, B. 9—60655
Froix, M., Pochan, J., Yanus, J. The effect of rapid cooling and a magnetic field on the NMR relaxations and thermal behavior of [N-(P-ethoxybenzylidene)-p-butylaniline] (EBBA) 9—82321
Frollani, G. *see* Dupre, F. 9—51751
Frolov, A.A., Petukhova, V.M. Mathematical model of the adaptation of a neurone allowing for the influence of calcium on the permeability of the membrane for potassium ions 9—79508
Frolov, A.A. *see* Semenov, V.N. 9—61515
Frolov, G.D. *see* Deev, V.V. 9—50531
Frolov, G.I. *see* Belyaev, B.A. 9—69583
Frolov, I.P. *see* Belov, N.V. 9—70253
Frolov, I.V. *see* Fateev, V.A. 9—71610
Frolov, I.V. *see* Romanov, V.N. 9—97521
Frolov, L.G. *see* Dem'yanov, Yu.A. 9—77120
Frolov, M.M. *see* Bezuglov, A.A. 9—99732
Frolov, N.G. *see* Kaluzhina, S.A. 9—52513
Frolov, N.S., Smykov, I.T. Measurement of linear dimensions and displacement by vibrational contact 9—97353
Frolov, V.A., Kan, Ya.S. On threshold current of paramagnetic effect in superconductors 9—87194
Frolov, V.A., Kan, Ya.S. Paramagnetic effect fine structure in superconductors of the first kind 9—95550
Frolov, V.M. *see* Abil'siitov, G. 9—94254
Frolov, V.M. *see* Grib, A.A. 9—89079, 9—97523
Frolov, V.N. Membership of four open clusters in Cassiopeia from new data 9—92812
Frolov, V.N. Photometry and proper motions of stars of four galactic clusters in Cassiopeia 9—97042
Frolova, E.A. *see* Deev, V.V. 9—50531
Frolova, L.P. *see* Lakhtin, Yu.M. 9—52456
Frolova, N.V. *see* Treushnikov, V.M. 9—58828
Frolova, V.P. *see* Fedorova, R.A. 9—61757
Fromageau, R. *see* Revel, G. 9—52138
Froman, N., Froman, P.O., Karlsson, F. Phase-integral calculation of quantal matrix elements between unbound states, without the use of wavefunctions 9—97240
Froman, N., Thylwe, K.-E. Settling the question of the high-energy behavior of phase shifts produced by repulsive, strongly singular, inverse-power potentials 9—97233
Froman, P.O. *see* Froman, N. 9—97240
Fromberg, A.B. *see* Veselnitskii, I.M. 9—50364
Froment, M. *see* Amblard, J. 9—74105, 9—91693
Fromholzer, D.R., Lau, L.J. The reduced form approach to combining energy models: some methodological issues 9—79386
Fromm, B., Paul, W., Teubner, W. The influence of different contact materials on the D.C. and A.C. behaviour of thin sputtered amorphous GeSe films 9—95513
Fromm, B. *see* Paul, W. 9—65566
Fromm, E. Influence of inert gas atmosphere on losses in refractory metals during vaporisation 9—55878
Fromm, E. Various high melting metals under low gas pressure 9—74296
Fromm, E., Jehn, H. Influence of an inert gas atmosphere on the evaporation of refractory metals 9—55879
Fromm, E., Uchida, H. Effect of oxygen sorption layers on the kinetics of hydrogen absorption by tantalum at 77-700K 9—95169
Fromm, E. *see* Mathuni, J. 9—95216, 9—99323
Fromm, I., Unterberger, H. Direct modulation of light by sound 9—72715
Frommer, G.H., Steele, C.R. Permeability of fluid flow through hair cell cilia 9—53157
Frommeyer, G. *see* Bergmann, H.W. 9—91697
Frommeyer, G. *see* Wassermann, G. 9—83219
Frommhold, E.A. Static high-voltage valve voltmeter for DC and AC peak voltage measurement 9—58757
Frommhold, L., Proffitt, M.H. Concerning the anisotropy of the helium diatom polarizability 9—72320
Frommhold, L., Proffitt, M.H. Raman spectra and polarizability of the neon diatom 9—98107
Frommhold, L. *see* Proffitt, M.H. 9—64011, 9—68444
Froncisz, W. ESR dual sample cavities for Q-band and for spectrometers with small magnets 9—58761
Fronek, V. Ultrasonic measurements of oil flow in a laminar flow-turbulent flow transition region 9—68850
Fronteau, J. Non-conservative description of evolution in physics 9—97328
Frontera, F., Fuligni, F. Shot-noise character of hard X-ray emission in a solar flare 9—96983
Fronticelli, G. *see* Bragagnoli, F. 9—97782
Fronza, G. *see* Ambrosino, G. 9—96768
Fronza, G. *see* Finzi, G. 9—57546
Fronza, G. *see* Zannetti, P. 9—57540
Fronzoni, L. *see* Faetti, S. 9—98817
Frosch, R.A. NASA takes stock 9—96881
Froschl, F. *see* Atzmuller, H. 9—73441
Froschle, E. *see* Haberle, K. 9—95298
Frossati, G. Obtaining ultralow temperatures by dilution of ^{3}He into ^{4}He 9—67313
Frossati, G. *see* Bourgoin, J.C. 9—56225
Frossati, G. *see* Clark, W.G. 9—63217
Frossati, G. *see* Godfrin, H. 9—51371
Frossati, G. *see* Hebral, B. 9—55999
Frost, C.A. *see* Clark, D.A. 9—71995
Frost, D. *see* Schaefer, S. 9—100755
Frost, D.C. *see* Hengrasmee, S. 9—99426
Frost, D.O. *see* Innocenti, G.M. 9—79524
Frost, H., Frost, P., Wilcox, C., Thrall, J. Lymph node scanning in sheep with indium-111-labeled lymphocytes 9—62343
Frost, J. *see* Leadbetter, A.J. 9—86780
Frost, J.C. *see* Leadbetter, A.J. 9—77502, 9—86700
Frost, K.J. *see* Coe, M.J. 9—71075
Frost, K.J. *see* Dolan, J.F. 9—71151, 9—75297
Frost, K.J. *see* Maurer, G.S. 9—92888
Frost, M.M. *see* Seeley, G.W. 9—74751
Frost, P. *see* Frost, H. 9—62343
Frost, R.L., Rushforth, C.K., Baxter, B.S. Fast FFT-based algorithm for phase estimation in speckle imaging 9—76605
Frost, R.T. *see* Racette, G.W. 9—91588
Frost, R.T. *see* Wouch, G. 9—70052
Froude, F.A. *see* Hoff, R.M. 9—83679
Frounier, J.-D. *see* Sulem, C. 9—50803
Froyshteter, G.B. Generalized theory of nonisothermal laminar pipe flow and heat transfer with non-Newtonian fluids. Case of internal heat sources 9—68763
Fruchart, D. *see* l'Heritier, P. 9—100123
Fruchart, R. *see* l'Heritier, P. 9—100123
Fruchart, R. *see* Madar, R. 9—60499
Fruehan, R.J. The free energy of formation of Ce_2O_2S and the nonstoichiometry of cerium oxides 9—83498
Frueholz, R.P., Flicker, W.M., Mosher, O.A., Kuppermann, A. Electronic spectroscopy of benzene and the fluorobenzenes by variable angle electron impact 9—68321
Fruhwirth, R. *see* Fidecaro, G. 9—85343
Frullani, S. *see* Boffi, S. 9—59054
Frullani, S. *see* Royer, D. 9—67747
Fruman, D.H. *see* Chahine, G.L. 9—81956
Fruman, T.E. *see* Zabrodskii, S.S. 9—68556
Frumar, M. *see* Cerny, V. 9—78517
Frumin, L.L. *see* Kitaeva, V.F. 9—55113
Fruneau, M. *see* Raisbeck, G.M. 9—57338, 9—66714
Frunza, S. *see* Marculescu, L. 9—78717
Frurip, D.J., Curtiss, L.A., Blander, M. Characterization of molecular association in acetone vapour. Thermal conductivity measurements and molecular orbital calculations 9—52647
Fry, D.L. *see* Reck, R.A. 9—70832
Fry, F.J. Biological effects of ultrasound—a review 9—66498
Fry, F.J. *see* Morris, S.M. 9—96612
Fry, H.A. *see* Cogley, C.D. 9—72337
Fry, J.L. *see* Brener, N.E. 9—69448
Fry, J.R., Noble, P.R., Evans, W.H., Moreton, A., Ekspong, G., Gennow, H., Johansson, E., Lundborg, P., Nilsson, S., Norrby, J., Yamdagni, Y., Fenker, H., Marraffino, J., Reucroft, S., Roos, C., Webster, M. Antiproton-neutron interactions at 100 GeV/c 9—54366
Fry, L.H., Jr. *see* Clements, J.S. 9—89223
Fry, M.P. Another instructive example in eigenvalue perturbation theory 9—92982
Fry, M.P. *see* Atkinson, D. 9—89086
Fry, R.C., Denton, M.B. Molecular absorption spectra of complex matrices in premixed flames 9—92021
Frydenbo, F.T. *see* Davies, J.H. 9—49682
Frydman, H., Singer, B. Total positivity and the embedding problem for Markov chains 9—93041
Frye, G.M., Jr. *see* Koga, R. 9—101063
Frye, R.C., Adler, D., Shaw, M.P. Properties of chalcogenide-glass/n-GaAs heterojunctions 9—99609
Fryer, B.J., Jenner, G.A. Geochemistry and origin of the Archean Prince Albert Group volcanics, western Melville Peninsula, Northwest Territories, Canada 9—53324
Fryer, B.J. *see* McLennan, S.M. 9—92511, 9—92533
Fryer, L.S. *see* Bell, G.D. 9—54533
Fryer, R.J. *see* Charlton, C.P. 9—80194
Fryer, R.M., Strain, R.V., Reyes, L.A. Response of EBR-II delayed-neutron monitor to tramp uranium and a fission product test source 9—67919
Fryer, R.M. *see* Feldman, M.J. 9—89476
Fryer, T.B., Corbin, S.D., Silverberg, G.D., Schmidt, E.V., Ream, A.K. Telemetry of intracranial pressure 9—74736
Fryer, T.B., Lund, G.F., Williams, B.A. An inductively powered telemetry system for temperature, EKG, and activity monitoring 9—74796
Fryjordet, A. Surgical treatment of renal and ureteral calculi under fluoroscopic control 9—92342
Frykman, G.K., Rutherford, H.G., Neilsen, I.R. Automated nerve fiber counting using an array processor in a multi-mini computer system 9—79710
Frymoyer, J.W., Frymoyer, W.W., Wilder, D.G., Pope, M.H. The mechanical and kinematic analysis of the lumbar spine in normal living human subjects in vivo 9—74708
Frymoyer, J.W. *see* Pope, M.H. 9—96607
Frymoyer, W.W. *see* Frymoyer, J.W. 9—74708
Fryxell, R. *see* Mullineaux, D.R. 9—66726
Ftaclas, C., Cohen, J.M. Tilted Bianchi type-III cosmologies 9—53948
Ftaclas, C. *see* Cohen, J.M. 9—49037
Fu, K.S. *see* Wechsler, H. 9—100737
Fu Gi-kai *see* Zhang Wei-de 9—98990
Fu Liang-Kui Some theoretical problems in the application of magnetic induced polarization method in geophysical prospecting 9—100962
Fu Quo *see* Quo Fu
Fu Shang-xin *see* Feng Guan-ping 9—71409
Fu Shu-fen, Chen Chien-wen, Liu Miao-hung Noble-gas-monohalide excimer lasers 9—59682
Fu Su *see* Bottenheim, J.W. 9—50042
Fu Su-fen, Chen Jian-wen, Liu Miao-hong XeCl excimer laser 9—55126
Fu Su-fen, Chen Jian-wen, Liu Miao-hong Fast discharge-pumped visible and UV lasers 9—72559
Fu Tong *see* Tong Fu

Fu Tsanq Chin *see* Chin Fu Tsanq
Fu Yun-Peng *see* Hsu Yee-chuang 9—72555
Fu-cho Pu *see* Pu Fu-cho
Fu-hai Tang *see* Tang Fu-hai
Fu-hsi Kan *see* Kan Fu-hsi
Fu-hua Cheng *see* Cheng Fu-hua
Fu-Jia Yang *see* Yang Fu-Jia
Fu-lung Dai *see* Dai Fu-lung
Fu-Sui Liu *see* Liu Fu-Sui
Fu-Tian Fan *see* Fan Fu-Tian
Fu-Wen Ling, Laughlin, D.E. The kinetics of transformation in Zn-Al superplastic alloys 9—100114
Fu-Ye Qian *see* Qian Fu-Ye
Fu-you Liu *see* Liu Fu-you
Fubini, S. *see* Amaldi, E. 9—85306
Fubini, S. *see* De Alfaro, V. 9—58869
Fuchi, H., Hoshino, K., Kuramata, S., Niu, K., Niwa, K., Shibuya, H., Tasaka, S., Yanagisawa, Y., Maeda, Y., Ushida, N. Technical aspects—design, scanning and energy measurement in small emulsion chambers 9—59299
Fuchi, H., Hoshino, K., Kuramata, S., Niu, K., Niwa, K., Tasaka, S., Yanagisawa, Y., Ushida, N., Maeda, Y., Kimura, H. X-particles and their backgrounds in 400 GeV/c proton interactions 9—63548
Fuchi, H., Hoshino, K., Kuramata, S., Niu, K., Niwa, K., Shibuya, H., Tasaka, S., Yanagisawa, Y., Ushida, N., Maeda, Y., Kimura, H. Direct observation of a pair decay of neutron charmed particles produced in 400 GeV/c proton interaction 9—85299
Fuchi, H., Hoshino, K., Niu, K., Niwa, K., Tasaka, S., Shibuya, H., Yanagisawa, Y., Kuramata, S., Maeda, Y., Kimura, H., Ushida, N. Balloon measurement of new particles 9—80112
Fuchikami, N., Tanabe, Y. Interaction between magnetic ions in an insulator. Case of degenerate orbitals. II 9—91010
Fuchs, A.H., Pruzan, P., ter Minassian, L. Thermal expansion of benzene at high pressure determined by a calorimetric method, its behavior near melting 9—77777
Fuchs, B. *see* Frahm, R. 9—84828
Fuchs, B.A. Polishing KDP and other soft water-soluble crystals 9—64363
Fuchs, C., Heisel, F. Temporal analysis of the delayed fluorescence in isotropic and anisotropic aromatic media under electron excitation 9—52024
Fuchs, F., Kneubuhl, F.K. Circular polarization of the spectral thermal emission from polycrystalline iron 9—77784
Fuchs, F. *see* Sigrist, M.W. 9—77683
Fuchs, G. A method to measure the electron temperature and density for plasma parameters typical for the Tokamak boundary region 9—55560
Fuchs, G. Pinning mechanism in superconducting NbTi alloys at high magnetic fields 9—95555
Fuchs, G.L. *see* Murat, F. 9—74685
Fuchs, H., Bhatia, T.S., Doll, P., Hafner, H., Wagner, G.J. Experimental study of resonance line-shapes in $^{12}C(\tau,d)$ stripping into the continuum 9—59076
Fuchs, H. *see* Gamp, A. 9—76021
Fuchs, H. *see* Manier, G. 9—70837
Fuchs, H.V. Acoustic interference effects and the role of Helmholtz number in aerodynamic noise 9—94392
Fuchs, H.V., Mercker, E., Michel, U. Large-scale coherent structures in the wake of axisymmetric bodies 9—77121
Fuchs, K., Bonjer, K.-P., Bock, G., Cornea, I., Radu, C., Enescu, D., Jianu, D., Nourescu, A., Merkler, G., Moldoveanu, T., Tudorache, G. The Romanian earthquake of March 4, 1977. II. Aftershocks and migration of seismic activity 9—84172
Fuchs, K. *see* Ginzburg, A. 9—79766
Fuchs, R. *see* Halevi, P. 9—95345
Fuchs, V. Structure of laser-induced normal modes in finite inhomogeneous plasma 9—68929
Fudali, R.F. Gravity investigation of Wolf Creek crater, Western Australia 9—100838
Fueki, K. *see* Kimura, T. 9—57346, 9—68341
Fueki, K. *see* Kishi, A. 9—79139
Fueno, T. *see* Kajimoto, O. 9—83472
Fueno, T. *see* Takatsuka, K. 9—49107, 9—49108
Fueno, T. *see* Yamaguchi, K. 9—97975
Fuentes-Perez, M. *see* Urcola-Galarza, J.J. 9—87665
Fuerst, C.D. *see* Basu, S. 9—74108
Fuerstenau, D.W. *see* Chander, S. 9—77751
Fuess, H., Givord, D., Gregory, A.R., Schweizer, J. Polarized neutron study of $HoFe_2$ 9—78326
Fuess, H. *see* Bats, J.W. 9—77588
Fuess, H. *see* Burger, N. 9—87404
Fuess, H. *see* Takeuchi, Y. 9—99159
Fuess, H. *see* Teng, S.T. 9—77562
Fuess, S. *see* Bross, A. 9—89517
Fuess, S. *see* Coteus, P. 9—63468
Fugazza, M., Moisello, U. Low water flows of the River Po 9—84306
Fuge, R., Teske, K., Ullmann, H. Electrochemical and physical methods for reactor diagnosis 9—97787
Fuge, R., Ziegenbein, D. Reactor dynamic perturbation measurement 9—76081
Fuge, R. *see* Afanas'ev, V.A. 9—97832
Fugol, I.Ya., Poltoratski, Yu.B. Luminescence and biexcitons in nitrogen crystals 9—69893
Fugol, I.Ya., Timchenko, L.I., Poltoratskii, Yu.B., Belov, A.G. Luminescence of carbon monoxide in inert-gas crystals 9—87481
Fugol, I.Ya. *see* Belov, A.G. 9—91494
Fugol', V.A. *see* Vasil'ev, Yu.N. 9—79116
Fugono, N. Summary for millimeter wave propagation experiments using Japan's first geostationary satellite 'Kiku-2' 9—79909
Fuhr, J.R., Miller, B.J., Martin, G.A. Bibliography on atomic line shapes and shifts (June 1975-June 1978) 9—49990
Fuhrer, M. *see* Luthy, W. 9—82262
Fuhring, H., Seeger, T. Dugdale crack closure analysis of fatigue cracks under constant amplitude loading 9—50650
Fuhrmann, G.F. *see* Richhardt, H.W. 9—62218
Fuhrmann, J. *see* Hennecke, M. 9—51655
Fuhrmann, R. *see* Berg, U. 9—83102
Fuhrmann, W. *see* Buckingham, J.D. 9—63247
Fuhs, W. *see* Hauschildt, D. 9—51626
Fuikwara, T. *see* Fujiwara, K. 9—72569
Fuja, R. *see* Stacey, W.M., Jr. 9—71967
Fuja, R.E. *see* Kustom, R.L. 9—76127
Fuji, K., Miyake, C., Imoto, S. Magnetic susceptibility and electron spin resonance of uranium pentachloride 9—91292
Fuji, M., Yamamoto, T., Wakisaka, G. Determination of hepatic fractional clearance of radioactive gold colloids for a measure of effective hepatic blood flow 9—66547
Fujie, H. *see* Kubo, T. 9—57083
Fujihira, A. Pre-treatments to enhance graphitization in a low alloy structural steel 9—78992
Fujii, A., Nakahara, J., Kobayashi, K., Fujii, Y. Phonon structures of forbidden-indirect transitions in TlCl and TlBr 9—61393
Fujii, A. *see* Sando, M. 9—62066
Fujii, G., Shirotani, I., Nagano, H., Iida, K. Study for solid state physics at low temperature and high pressure. IV. Electrical conductivity of TTF-TCNQ complex salt 9—87090
Fujii, G. *see* Oda, Y. 9—60996, 9—85139
Fujii, H., Almeida, S.P. Coherent spatial filtering with simulated input 9—79696
Fujii, H., Komura, S., Takeda, T., Okamoto, T., Ito, Y., Akimitsu, J. Polarized neutron diffraction study of Fe_2P single crystal 9—65650
Fujii, H., Okamoto, T. Design and construction of vibrating sample magnetometer utilizing vacuum-tight bellows 9—75559
Fujii, H., Yoshino, K., Inuishi, Y. Laser-induced breakdown in dielectric liquids 9—91363
Fujii, H. *see* Almeida, S.P. 9—79697
Fujii, H. *see* Baba, K. 9—75972
Fujii, H. *see* Hashimoto, Y. 9—87242, 9—87243
Fujii, H. *see* Maruyama, K. 9—63484
Fujii, H. *see* Yoshino, K. 9—82925, 9—91364
Fujii, K., Akazawa, K. Structure of skeletal muscle and its model 9—66479
Fujii, K., Kondo, W. Rate and mechanism of hydration of β-dicalcium silicate 9—79218
Fujii, K., Miyazawa, S., Takano, S., Oikawa, T. Morphologic study of external cathode type hollow-cathode discharge 9—60207
Fujii, K., Oikawa, T., Kuwana, H., Tajiri, T. Morphologic discussion of the transition mechanism from corona to glow discharge 9—99014
Fujii, K. *see* Abe, Y. 9—85279, 9—93377
Fujii, K. *see* Akazawa, K. 9—57632, 9—83758
Fujii, K. *see* Honda, K. 9—54339
Fujii, K. *see* Imai, H. 9—51420
Fujii, K. *see* Morita, S. 9—54638
Fujii, K. *see* Nakata, H. 9—60722
Fujii, K. *see* Okazaki, T. 9—85295
Fujii, K. *see* Taguchi, H. 9—83757
Fujii, M., Doi, K. Risetime discrimination applied to pressurized Xe gas proportional counter for hard X-ray detection 9—80219
Fujii, M. *see* Nishimura, J. 9—80153, 9—80218
Fujii, M. *see* Yamakawa, H. 9—99891
Fujii, S. Diffusion of positive muon in pure iron. I. Quantum diffusion 9—78598
Fujii, S. Diffusion of positive muon in pure iron. II. Spin relaxation 9—78599
Fujii, S., Kaneda, Y., Kawano, T. A study of computerized differential diagnosis of diffuse liver diseases by pattern characterization of hepatic scintigram 9—83926
Fujii, S. *see* Kaneda, Y. 9—83924
Fujii, T. Pitting potentials of stainless steel in 0.1 M NaCl solution at 280°C 9—61799
Fujii, T., Maekawa, Z. Influence of stress concentration on spread of strength and fatigue life in FRP 9—96117
Fujii, T., Maekawa, Z. Study on the fatigue of fiber reinforced composites based on the fatigue damage process of unit model 9—100237
Fujii, T., Shinoda, T., Shiomi, S., Uchiyama, S. Analysis of dynamic character of one-dimensional domain wall motion biased by static in-plane field 9—73767
Fujii, T., Shiomi, S., Shinoda, T., Uchiyama, S. Analysis of domain wall motion under influence of magneto-elastic coupling in orthoferrite 9—78435
Fujii, T., Uehara, H., Mihara, K., Takashima, H. Body force convection condensation in the presence of noncondensables 9—50574
Fujii, T., Yasuhara, A., Yokouchi, Y., Ambe, Y. GC-MS analysis of environmental air samples 9—79424
Fujii, T. *see* Ikeda, H. 9—58967
Fujii, T. *see* Iwata, S. 9—78465
Fujii, T. *see* Ohashi, K. 9—73780
Fujii, T. *see* Shiomi, S. 9—51828
Fujii, T. *see* Suzuki, S. 9—50062
Fujii, T. *see* Takagi, H. 9—73706
Fujii, T. *see* Tateno, Y. 9—66538
Fujii, T. *see* Yatsui, K. 9—98929
Fujii, Y. Laser microscope 9—75589
Fujii, Y., Hayashi, H. Acousto-optic tunable filter using $LiNbO_3$ crystal 9—55245
Fujii, Y., Hirai, S., Okamoto, M., Aida, M., Fukuda, H. Determination of trace amount of uranium in fossil fuels by neutron activation analysis 9—83531
Fujii, Y., Kubota, M., Matsumoto, H., Tanaka, Y., Shigi, T. Thermal boundary resistance between liquid ^{3}He and copper potassium tutton salt 9—56001
Fujii, Y., Mima, K. Equal-time commutators in continuous dimensions 9—71730
Fujii, Y., Minowa, J., Aoyama, T., Doi, K. Low-loss 4×4 optical matrix switch for fibre-optic communication 9—76823
Fujii, Y., Minowa, J., Suzuki, N. Demountable multiple connector with precise V-grooved silicon 9—76822
Fujii, Y. *see* Fujii, A. 9—61393
Fujii, Y. *see* Matsumura, F. 9—57558
Fujii, Y. *see* Takemura, K. 9—65192
Fujii, Y. *see* Usami, A. 9—65492
Fujii-e, Y., Furutani, A., MOrita, T., Inoue, S. Measurement of incipient boiling pressure signal and evaporation coefficient of liquid metal 9—77734
Fujii-e, Y. *see* Itoh, Y. 9—89494
Fujii-e, Y. *see* Saito, M. 9—87997
Fujikawa, K. Comment on the covariant path integral formalism in the presence of Gribov ambiguities 9—54261
Fujikawa, K. Path-integral measure for gauge-invariant fermion theories 9—54267
Fujikawa, K. Heavy fermions in the standard sequential scheme 9—71748
Fujikawa, S.-I., Sugaya, M., Takei, H., Hirano, K.-I. Solid solubility and residual resistivity of scandium in aluminium 9—51265
Fujiki, S. *see* Katsura, S. 9—51786, 9—95592
Fujimasa, I. *see* Imachi, K. 9—84018
Fujimori, H., Kazama, N.S. Magnetic properties and preparation of bulk amorphous alloys by high rate sputter deposition 9—95971
Fujimori, H. *see* Kazama, N.S. 9—95588
Fujimori, H. *see* Morita, H. 9—51773
Fujimori, H. *see* Nakagawa, Y. 9—55891
Fujimori, S. Computer simulation of exposure and development of a positive photoresist 9—54208
Fujimori, S. *see* Takei, K. 9—78909
Fujimoto, H. *see* Izumi, Y. 9—79159
Fujimoto, H. *see* Takeuchi, H. 9—77964
Fujimoto, J. *see* Yoneyama, M. 9—90071
Fujimoto, K. *see* Iwaski, Y. 9—63010
Fujimoto, M., McDowell, C.A., Takui, T. Ligand ENDOR spectra of Cu(II) impurity complexes in α-glycine crystals 9—65765
Fujimoto, M. *see* Kariya, K. 9—96839
Fujimoto, M. *see* Koukitu, A. 9—95526
Fujimoto, M. *see* Kurumada, K. 9—56238
Fujimoto, M.Y. *see* Sugimoto, D. 9—80299
Fujimoto, S., Shimizu, H., Yasuda, N. Pressure effect on the dielectric properties of cupric formate tetrahydrate 9—65787
Fujimoto, S. *see* Shimizu, H. 9—51917
Fujimoto, S. *see* Shimzu, H. 9—65186
Fujimoto, S. *see* Yasuda, N. 9—78634, 9—91384, 9—99832
Fujimoto, T. A collisional-radiative model for helium and its application to a discharge plasma 9—64836
Fujimoto, T. Kinetics of ionization-recombination of a plasma and population density of excited ions. I. Equilibrium plasma 9—90371
Fujimoto, T. Kinetics of ionization-recombination of a plasma and population density of excited ions. II. Ionizing plasma 9—90372
Fujimoto, T., Furuya, Y., Hayashi, T., Takigawa, H. Scattering of molecular beams on the polycrystalline nickel surface 9—95895
Fujimoto, T. *see* Kato, S. 9—94660
Fujimoto, Y. *see* Baba, N. 9—97477
Fujimoto, Y. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Fujimura, M. *see* Matsuo, Y. 9—57534
Fujimura, T., Suzuki, H. Elongational flow-induced extrusion of high-density polyethylene 9—91614
Fujimura, Y., Lin, S.H. Resonance Raman scattering from molecules with vibronically coupled excited states 9—54858

Fujimura, Y., Nakajima, T. Complex Franck-Condon overlap integral in nonradiative decays 9—50066

Fujinaga, T. *see* Yamada, T. 9—92026

Fujinaga, Y. LEED and AES analyses of Cu-Pd alloy surface prepared by evaporation and annealing 9—77882

Fujinami, H. *see* Hoh, S. 9—50917, 9—50918

Fujinami, T. *see* Kobayashi, Y. 9—57741

Fujino, O. *see* Matsui, M. 9—92027

Fujino, Y., Hakuno, M. Characteristics of elasto-plastic ground motion during an earthquake 9—70748

Fujino, Y., Sasaki, Y., Hakuno, M. Slip of a friction-controlled mass excited by earthquake motions 9—70753

Fujino, Y., Yamaguchi, S., Koiwa, M., Hirabayashi, M., Takahashi, J., Ozawa, K., Doi, K. An ion channeling study of NbO crystals. I. General investigation 9—60416

Fujino, Y. *see* Sasaki, Y. 9—70752

Fujino, Y. *see* Yamaguchi, S. 9—65131

Fujio, M. *see* Ohta, T. 9—58645

Fujioka, H. *see* Masuda, M. 9—56232

Fujioka, H. *see* Ura, K. 9—71565, 9—71568

Fujioka, J. *see* Shimizu, S. 9—83263

Fujioka, K. *see* Ogata, H. 9—58710

Fujioka, M. *see* Morita, S. 9—54638

Fujioka, M. *see* Ohshima, M. 9—59009

Fujioka, M. *see* Suzuki, K. 9—83283

Fujioka, N. *see* Endo, S. 9—60500

Fujioka, T. *see* Sumida, S. 9—86167

Fujioka, T. *see* Wakabayashi, S. 9—68378

Fujisaka, H., Mori, H. Intermittency of fully developed turbulence 9—86406

Fujisaka, H., Mori, H. A maximum principle for determining the intermittency exponent μ of fully developed steady turbulence 9—98691

Fujisaka, H. *see* Yamada, T. 9—80517

Fujisaki, H., Yang, S.-K., Mutoh, S. Diffractive eigenchannel approach versus diffractive physical channel approach 9—54328

Fujisaki, M., Babou, M., Bystricky, J., Cozzika, G., Dobrowolski, T., Ducros, Y., Gaidot, A., Hwang, C.F., Itano, A., Khantine-Langlois, F., Lehar, F., De Lesquen, A., Raoul, J.C., Van Rossum, L., Souchere, G. Polarization measurements in π^+p and K^+p elastic scattering at 6 and 12 GeV/c with the CERN polarized deuteron target 9—49542

Fujisaki, M., Babou, M., Bystricky, J., Cozzika, G., Dobrowloski, T., Ducros, Y., Gaidot, A., Hwang, C.F., Itano, A., Khantine-Langlois, F., Lehar, F., de Lesquen, A., Raoul, J.C., van Rossum, L., Souchere, G. Polarization measurements in K^+N charge exchange at 6 and 12 GeV/c 9—63521

Fujisaki, M., Svec, M., Bystricky, J., Cozzika, G., Itano, A., Lehar, F., de Lesquen, A., van Rossum, L. Construction of tensor exchange amplitudes in KN and $\bar{K}N$ CEX reactions 9—58974

Fujisaki, M. *see* Baba, K. 9—75972

Fujisawa, K. *see* Yamabayashi, N. 9—94216

Fujisawa, N. *see* Gomay, Y. 9—85768

Fujisawa, N. *see* Imai, T. 9—90426

Fujisawa, N. *see* Maeno, M. 9—98984

Fujisawa, S. *see* Harada, Y. 9—52693

Fujishima, A. *see* Iwasaki, T. 9—83486

Fujishima, A. *see* Tien-Kai Li 9—57262

Fujishima, H. *see* Kohmoto, O. 9—99743

Fujishiro, S., Eylon, D. Effect of Pt ion plating on the creep behavior of alpha Ti 9—66123

Fujishita, H., Shiozaki, Y., Sawaguchi, E. Lattice distortion of $PbZrO_3$ 9—55712

Fujita, E.K. *see* Driscoll, M.J. 9—85637

Fujita, F.E. *see* Gotoh, A. 9—73342

Fujita, F.E. *see* Kakeshita, T. 9—70066

Fujita, F.E. *see* Sohmura, T. 9—56641

Fujita, H., Ametani, K. Nonlinear electro-optical properties of colloidal crystal latex 9—61337

Fujita, H., Kawai, Y. Determination of the electric field in plasmas with turbulence 9—86614

Fujita, H. *see* Ametani, K. 9—79313

Fujita, H. *see* Matoba, M. 9—81456

Fujita, H. *see* Miyazaki, S. 9—61645, 9—79051

Fujita, H. *see* Uchida, S. 9—53229, 9—97483

Fujita, I. Temperature effects on the doublet structure of the 5.76 eV absorption band in Tl-doped KDP single crystals 9—78713

Fujita, J. *see* Kadota, K. 9—86619

Fujita, J. *see* Kamitsubo, H. 9—54662

Fujita, J. *see* Oshiyama, H. 9—77404

Fujita, J. *see* Suematsu, H. 9—49223

Fujita, J. *see* Wada, T. 9—54614

Fujita, K., Huang, Y.C., Tada, M. The studies on the equilibria of Ta-H, Nb-H, and V-H systems 9—78935

Fujita, K., Huang, Y.C., Tada, M. The studies on the equilibria of Ta-D, Nb-D and V-D systems 9—78936

Fujita, K., Kayama, I. Formation of $MgAl_2O_4$ from the amorphous substance prepared by the homogeneous precipitation method 9—56950

Fujita, K., Yoshida, A. Surface fatigue failure of case-hardened nickel-chromium steel rollers under pure rolling and sliding-rolling contacts 9—52472

Fujita, K., Yoshida, A. Surface durability of case-hardened nickel-chromium steel rollers under pure rolling and sliding-rolling contacts 9—61739

Fujita, K., Yoshida, A. Surface fatigue failure of nitride-hardened aluminium-chromium-molybdenum steel rollers under pure rolling and sliding-rolling contact 9—79183

Fujita, K., Yoshida, A. Surface durability of nitride-hardened aluminium-chromium-molybdenum steel rollers under pure rolling and sliding-rolling contacts 9—79184

Fujita, K. *see* Kikuchi, M. 9—89376

Fujita, K. *see* Mori, C. 9—81129

Fujita, M., Nakamura, K., Ihara, T., Hayashi, R. Seasonal variations of attenuation statistics in millimetre-wave Earth-satellite link due to bright-band height 9—100889

Fujita, M., Nakatsuka, H., Nakanishi, H., Matsuoka, M. Backward echo in two-level systems 9—64289

Fujita, M. *see* Eiho, S. 9—83927

Fujita, M. *see* Masui, S. 9—57547

Fujita, M. *see* Sato, K. 9—54648

Fujita, M. *see* Yamazaki, I. 9—89008

Fujita, S., Mimoto, H., Noguchi, T. Photoluminescence in ZnSe grown by liquid-phase epitaxy from Zn-Ga solution 9—56840

Fujita, S., Mimoto, H., Takebe, H., Noguchi, T. Growth of cubic ZnS ZnSe and ZnS_xSe_{1-x} single crystals by iodine transport 9—91572

Fujita, S. *see* Minemoto, T. 9—94340

Fujita, T. Cluster representation of proton-nucleus inclusive collisions with very large momentum transfer 9—93615

Fujita, T., El Gabalawi, N., Caputo, R.S., Herrera, G.G. Comparative evaluation of distributed-collector solar thermal electric power plants 9—52908

Fujita, T., Iwai, T., Ogura, K., Watanabe, S., Watanabe, Y. Dissociative excitation of water molecule by electron impacts. IV. The effect of multiple scattering 9—89793

Fujita, T. *see* Manvi, R. 9—52902

Fujita, T. *see* Ohnuma, T. 9—55496

Fujita, T. *see* Ueda, Y. 9—51838

Fujitani, K. *see* Gentsu, A. 9—96114

Fujitani, Y., Itoh, Y., Mizuno, H., Nozaki, C. Diffusion of pollutants from automobile exhaust 9—52985

Fujitsuka, A. *see* Motozima, K. 9—70874

Fujiwara, D. A construction of the fundamental solution for the Schrodinger equations 9—75397

Fujiwara, H., Hara, K., Okamoto, K., Hashimoto, T. Columnar structure and texture of iron films evaporated at oblique incidence 9—77967

Fujiwara, H. *see* Hashimoto, Y. 9—87242, 9—87243

Fujiwara, H. *see* Kadomatsu, H. 9—51781, 9—61102

Fujiwara, H. *see* Yamada, O. 9—56518

Fujiwara, K. Sound reduction by barriers 9—68479

Fujiwara, K., Fuikwara, T., Hori, K., Takusagawa, M. Aging characteristics of $Ga_{1-x}Al_xAs$ double-heterostructure lasers bonded with gold eutectic alloy solder 9—72569

Fujiwara, K. *see* Ishikawa, H. 9—76688

Fujiwara, S. *see* Arata, Y. 9—49262

Fujiwara, S. *see* Ozawa, S. 9—77959

Fujiwara, S. *see* Terashima, H. 9—77960

Fujiwara, T. Electronic states and transport in amorphous and liquid transition metals; Fe, Co and Ni 9—99474

Fujiwara, T., Tanabe, Y. Electronic states in amorphous and liquid iron 9—51476

Fujiwara, T., Tanabe, Y. Electronic states in amorphous metals 9—69399

Fujiwara, T. *see* Djordjevic, R. 9—87030

Fujiwara, T. *see* Imai, H. 9—50290, 9—50295

Fujiwara, T. *see* Ishikawa, H. 9—76688

Fujiwara, Y. Cluster-structure study of ^{20}Ne by '(^{16}O-a)+(^{12}C-^{8}Be)' coupled channel orthogonality condition model. II. Analysis of the wave functions of rotational band states with T=0 9—97647

Fujiwara, Y. Cluster-structure study of ^{20}Ne by '(^{16}O-α)+(^{12}C-^{8}Be)' coupled channel orthogonality condition model. III. Alpha-decay properties, electric transtions and discussion of higher excited states 9—97681

Fujiwara, Y., Horiuchi, H., Tamagaki, R. Cluster-structure study of ^{20}Ne by '(^{16}O-α)+(^{12}C-^{8}Be)' coupled channel orthogonality condition model. I. A formulation of CCOCM involving rearrangement channels and study of low-lying O^+ states 9—89258

Fujiwhara, S., Kurashige, K. Distribution models of pressure and wind over stationary typhoon fields 9—62570

Fujiyama, M., Azuma, K., Sumi, K., Awaya, H. Studies on blow molding of fine-particle filled polypropylene. I. Evaluation of blow moldability of fine-particle filled polypropylene by means of melt rheology 9—94578

Fujiyoshi, S. *see* Sugishita, J. 9—74264

Fuk Vo Han *see* Vo Han Fuk

Fukada, E. *see* Furukawa, T. 9—87394, 9—99823

Fukai, R., Holm, E., Ballestra, S. A note on vertical distribution of plutonium and americium in the Mediterranean Sea 9—84301

Fukai, Y. *see* Tanaka, K. 9—65959

Fukami, T., Akinaga, M., Yamaguchi, T., Mase, S. Magnetoacoustic attenuation in semimetals, II. Tilt effect in bismuth and bismuth-antimony alloys 9—91106

Fukami, T., Tsuchiya, H. Dependence of resistivity on donor dopant content in barium titanate ceramics 9—65474

Fukami, T., Yamaguchi, T., Mase, S. Magnetoacoustic attenuation in semimetals. I. Extraordinarily large attenuation peak in bismuth for $q \wedge H \sim 90°$ 9—91105

Fukamichi, K. The Neel temperature of the Cr-Ga alloy system in the dilute concentration range 9—51778

Fukamichi, K., Hiroyoshi, H., Kikuchi, M., Masumoto, T. Invar effects in some iron-base amorphous alloys 9—56594

Fukamichi, K., Kikuchi, M., Masumoto, T. Elastic properties and temperature coefficient of delay time in amorphous Pd-Si alloys 9—96069

Fukamichi, K. *see* Kikuchi, M. 9—56595, 9—96213

Fukamichi, K. *see* Ohshima, S. 9—51777

Fukano, T. *see* Sekoguchi, K. 9—94744

Fukao, Y. Tsunami earthquakes and subduction processes near deep-sea trenches 9—84155

Fukase, T., Kobayashi, T., Isino, M., Toyota, N., Muto, Y. Structural transformation studied by thermal expansion on single crystals of V_3Si in normal and superconducting states 9—56381

Fukata, K. *see* Ono, K. 9—79502

Fukawa, M. *see* Kichimi, H. 9—89207

Fukawa, M. *see* Sugahara, R. 9—93453, 9—93454

Fukazawa, Y. *see* Yamazaki, S. 9—74237

Fuke, K., Schnepp, O. Absorption and magnetic circular dichroism spectra of allene 9—50056

Fuke, S., Ohke, S., Kuwahara, K. Epitaxial growth of GaP by $GaPO_4$-C system 9—99448

Fukehara, S., Shibata, A., Takemiya, T., Okino, T. Deuteron breakup reaction by 130 MeV neutrons 9—97707

Fukimoto, S. *see* Yasuda, N. 9—99815

Fuks, M.Ya. *see* Palatnik, L.S. 9—86810

Fuks, T.G. *see* Bannaya, V.F. 9—91069

Fukuchi, J. *see* Yoshida, M. 9—83600

Fukuda, A. *see* Sumita, O. 9—61199

Fukuda, A. *see* Takezoe, H. 9—94873

Fukuda, A. *see* Usui, H. 9—99059

Fukuda, H. *see* Fujii, Y. 9—83531

Fukuda, H. *see* Kaneda, T. 9—87143

Fukuda, J., Kameyama, M. Enhancement of Ca spikes in nerve cells of adult mammals during neurite growth in tissue culture 9—70545

Fukuda, K., Hasegawa, S. Analysis on two-phase flow instability in parallel multichannels 9—90221

Fukuda, K., Kobori, T. Classification of two-phase flow instability by density wave oscillation model 9—63731

Fukuda, K. *see* Matsuura, Y. 9—54905

Fukuda, K. *see* Sasaki, A. 9—76635

Fukuda, M. Recent progress in batteries. II 9—83579

Fukuda, N. *see* Honda, S. 9—78454

Fukuda, O. *see* Kitayama, K.-I. 9—81536

Fukuda, S. Experimental confirmation of the design to minimize vibration and wear in 61-pin wire-spaced EBR-II subassemblies 9—67825

Fukuda, S., Fukunaga, H., Kumano, H. Deterioration mechanism of overdischarge characteristics of sealed lead-acid rechargeable battery 9—83585

Fukuda, S., Ikeda, S., Shiosaki, T., Kawabata, A. Acousto-optically phase-matched noncollinear optical second harmonic generation in tellurium 9—50353

Fukuda, S., Shiosaki, T., Kawabata, A. Acousto-optic properties of tellurium at 10.6 μm 9—91401

Fukuda, T., Okada, T. State space approach to modeling and identification of nonlinear hydrological system 9—79908

Fukuda, Y. High temperature hard anodizing of aluminum 9—96230

Fukuda, Y. *see* Honda, F. 9—72379

Fukugita, M., Hagiwara, T., Sanda, A.I. The color-radius interactions, $\Gamma(D^0 \to K^+K^-)/\Gamma(D^0 \to \pi^+\pi^-)$ and violations of the $\Delta I = 1/2$ rule 9—93412

Fukugita, M., Hansson, T.H. Decay properties of baryonia 9—75772

Fukugita, M., Hansson, T.H. Decay properties of baryonia 9—75773

Fukugita, M., Kwiecinski, J. Three-gluon exchange contribution to forward high-energy scattering 9—54324

Fukugita, M., Kwiecinski, J. The sign of the OZI-rule violation amplitude in the gluonic annihilation model 9—71722

Fukuhara, A. *see* Motooka, T. 9—55652, 9—82146

Fukuhara, T. *see* Futagami, T. 9—57497

Fukui, H., Miura, K., Ishigami, N. Ab initio calculations of the nuclear spin-spin coupling constants. II. Comparison of the FP and SOS methods 9—85893

Fukui, K. *see* Tachibana, A. 9—72374
Fukui, K. *see* Yamabe, T. 9—56123, 9—68201
Fukui, K. *see* Yamashita, H. 9—56872
Fukui, M., So, V.C.Y., Sipe, J.E., Stegeman, G.I. Nonlinear mixing of oppositely travelling surface plasmons 9—95460
Fukui, M., So, V.C.Y., Stegeman, G.I. Nonlinear optical excitation and dispersion relation of surface exciton polaritons in ZnO 9—82657
Fukui, M., So, V.C.-Y., Stegeman, G.I. Light scattering by surface plasmons in thin metal films 9—87517
Fukui, M., Stegeman, G.I. Analysis of synchronous surface acoustic wave generation phenomena 9—81593
Fukui, M. *see* Normandin, R. 9—50489, 9—55259, 9—56057
Fukui, T. Anomalous magnetoresistance in weak-ferromagnet NiS_2 9—78121
Fukui, T., Horikoshi, Y. Anomalous luminescence near the InGaAsP-InP heterojunction interface 9—65932
Fukui, T., Horikoshi, Y. Field effect of InP photoluminescence in InP-electrolyte structure 9—99928
Fukui, T., Suzuki, S., Watanabe, T. Magnetic field detector using second harmonic oscillation 9—54161
Fukui, Y., Morita, T. The equilibrium statistical mechanics of a one-dimensional self-gravitational system 9—92810
Fukui, Y., Nunomura, S. Effect of cold work on fatigue crack propagation rate regarding to the accumulated plastic strain rate 9—96115
Fukui, Y. *see* Hata, S. 9—101095
Fukui, Y. *see* Morita, T. 9—93034
Fukui, Y. *see* Sugahara, R. 9—93454
Fukumitsu, O. *see* Takenaka, T. 9—81360
Fukumoto, I., Saito, M. A model of morphogenesis 9—83722
Fukumura, T. *see* Hasegawa, J. 9—57761, 9—88183
Fukunaga, H. *see* Fukuda, S. 9—83585
Fukunaga, O. *see* Endo, T. 9—66053
Fukunaga, T. *see* Aiyama, T. 9—87013
Fukunaga, T. *see* Suzuki, K. 9—94908
Fukunaka, Y. The oxidation of liquid Ni_3S_2 9—83354
Fukunga, O. *see* Endo, T. 9—70068
Fukuoka, H. Introduction to solid mechanics. III. Elements of elasticity 9—59932
Fukuro, H. *see* Okano, K. 9—50975
Fukurotani, K., Hase, H., Umino, O., Hara, K. Quantitative analysis of the connections between photoreceptors and horizontal cells in the retina—connections between cones and photopic L-type horizontal cells 9—83782
Fukusako, S. *see* Seki, N. 9—55317, 9—55380, 9—76956, 9—76961
Fukushi, K., Kimura, M. Raman spectra of halogen-substituted methanes in the liquid state: depolarization ratios of the totally symmetric vibration bands 9—89677
Fukushima, E., Gibson, A.A.V., Scott, T.A. Carbon-13 NMR of carbon monoxide. II. Molecular diffusion and spin-rotation interaction in liquid CO 9—99777
Fukushima, E., Roeder, S.B.W. Spurious ringing in pulse NMR 9—93187
Fukushima, H., Doyama, M. Positron annihilation study of vacancies in Cu-28at.%Al-4at%Ni before and after martensitic transformation 9—99971
Fukushima, H., Higashi, K., Akiyama, T., Akagi, S. Role of iron-group metals in the induced codeposition of molybdenum from aqueous solution 9—95954
Fukushima, H. *see* Doyama, M. 9—56704
Fukushima, K., Koyama, N., Sugiyama, T. The elementary excitation spectra of liquid helium II 9—60568
Fukushima, K., Miyake, S. Self-organization of a multilayered neural network 9—83756
Fukushima, K., Ohgushi, K. Modeling of the visual and auditory systems 9—66474
Fukushima, K. *see* Suga, H. 9—50204
Fukushima, M. *see* Barber, D. 9—54289, 9—54346
Fukushima, M. *see* Barber, D.P. 9—89175, 9—97631
Fukushima, M. *see* Mikoshiba, S. 9—56841
Fukushima, M. *see* Takagi, S. 9—54601
Fukushima, S., Soma, T. Processing of radiograms of stomach 9—88176
Fukushima, Y. *see* Honda, S. 9—78454
Fukushima, Y. *see* Kitamura, M. 9—85638
Fukushima, Y. *see* Masaki, S. 9—100603
Fukuta, M. *see* Mimura, T. 9—73590
Fukutomi, H. *see* Ikeda, Y. 9—81214
Fukuyama, A. *see* Momota, H. 9—98940
Fukuyama, A. *see* Okamoto, M. 9—55541
Fukuyama, H., Kuramoto, Y., Platzman, P.M. Many-body effect on level broadening and cyclotron resonance in two-dimensional systems under strong magnetic field 9—78195
Fukuyama, H., Platzman, P.M., Anderson, P.W. Two-dimensional electron gas in a strong magnetic field 9—78024
Fukuyama, H., Yosida, K. Negative magnetoresistance in the Anderson localized states. II. Effect of electron correlations 9—65499
Fukuyama, H. *see* Yoshioka, D. 9—90978
Fukuyama, S. *see* Yokogawa, K. 9—77972
Fukuyama, T. Unitarity of supergravity in a general covariant gauge 9—75428
Fukuyama, T., Yanagisawa, S. Deposition of Si-doped Al film by reactive sputtering 9—66005
Fukuyama, T. *see* Hiraishi, H. 9—64088, 9—100338
Fukuyo, H., Oura, N., Kitajima, N., Kono, H. The refractive-index distribution normal to the polished surface of fused quartz measured by ellipsometry 9—86965
Fukuzaki, H. *see* Takenaka, T. 9—91434
Fukuzawa, F. *see* Kido, Y. 9—95887
Fukuzumi, T. *see* Saito, K. 9—61656
Fulbright, H.W. Ionization chambers 9—68151
Fulbright, H.W. Spark counter focal plane detector system 9—68162
Fulbright, H.W., Erskine, J.R. Hybrid focal plane detectors for heavy ions 9—68163
Fulco, J.R. *see* Bronzan, J.B. 9—71709
Fuld, K., Wooten, B.R., Katz, L. The Stiles-Crawford hue shift following photopigment depletion 9—57660
Fulde, P. *see* Black, J.L. 9—87192
Fulford, J.A. *see* Forsyth, P.A. 9—100995
Fulford, J.E., March, R.E. Ion withdrawal studies of the quadrupole ion storage trap (QUISTOR). I. Characterization of the magnitude of the ion trapping potential well and the location of extractable ions 9—54216
Fulghum, D.P., Gunn, J.E., III LPC voice digitizer with background noise suppression 9—64417
Fuligni, F. *see* Frontera, F. 9—96983
Fullagar, P.D., Butler, J.R. 325 to 265 M.Y.-old granitic plutons in the Piedmont of the southeastern Appalachians 9—70797
Fuller, C. *see* Liska, D. 9—76160
Fuller, C.R., Bies, D.A. The effects of flow on the performance of a reactive acoustic attenuator 9—55257
Fuller, G.M. *see* Jassby, D.L. 9—50898
Fuller, M.S. *see* Looft, F.J. 9—100638
Fuller, N.L. *see* Rand, R.P. 9—62204
Fuller, W., Lenard, A. Generalized quantum spins, coherent states, and Lieb inequalities 9—67172
Fuller, W.H., Jr. *see* McCormick, M.P. 9—53444
Fuller, W.W., Chaikin, P.M., Ong, N.P. Superconductivity in $Nb_{.95}Ta_{.05}Se_3$ 9—82704
Fuller, W.W. *see* Azevedo, L.J. 9—56356
Fuller, W.W. *see* Greene, R.L. 9—65581
Fulling, S.A. Adiabatic expansions of solutions of coupled second-order linear differential equations. II 9—71226
Fullton, J.M. *see* Pimmel, R.L. 9—92277
Fullton, J.M. *see* Winter, D.C. 9—92280
Fullwood, R.R. *see* Burns, E.T. 9—67910
Fulmer, C.B., Butler, H.M., Ohnesorge, W.F., Mosko, S.W. Fast neutron dose equivalent rates in heavy ion target areas 9—54606
Fulmer, C.B., Wieland, R.M., Hensley, D.C., Raman, S., Satchler, G.R., Snell, A.H., Stelson, P.H., Stokstad, R.G. $^{12}C+^{12}C$ transfer reactions at 93.8 MeV 9—93657
Fulmer, C.B. *see* Stokstad, R.G. 9—93656
Fulop, J. *see* Polinszky, K. 9—91953
Fulrath, R.M. *see* Evans, A.G. 9—66144, 9—66145
Fulson, F.C., Rutt, T.C. Estimation of aluminum solubility in barium titanate by conductivity measurements [positive temperature coefficient of resistance thermistors] 9—69250
Fulton, B.R. *see* Clover, M.R. 9—80910
Fulton, B.R. *see* Gove, H.E. 9—52806
Fulton, J., Piggins, J., Halloran, M. A respiratory subsystem for a patient monitoring computer system 9—83980
Fulton, R.L. Polarization fluctuations in regions bounded by equi-potentials 9—82917
Fulton, T. *see* Cung, V.K. 9—76538
Fulton, T. *see* Feldman, G. 9—80463
Fulton, T.A., Pei, S.S., Dunkleberger, L.N. A simple high-performance current-switched Josephson gate 9—82713
Fumal, T.E. *see* Brabb, E.E. 9—88273
Fumeaux, P. *see* Abdelrahman, M. 9—66415
Fumeron, M., Guillot, J.P., Dauger, A., Caisso, J. X-ray diffraction study of the shape of Guinier-Preston zones and their cutting effect in a Al-(6.8 at.%)Zn alloy 9—87640
Fumuro, F., Ihara, R., Iwai, J., Ogata, T., Ohta, I., Sato, Y., Sugimoto, H., Takahashi, Y. Some 10-100 TeV events 9—62705
Fumuro, F., Ihara, R., Ogata, T. A dependence in proton-nucleus interactions at 400 GeV 9—67748
Fun Gau Ho, Strieder, W. Asymptotic expansion of the porous medium, effective diffusion coefficient in the Knudsen number 9—90325
Funabashi, K., Hamill, W.H. The role of electron-phonon interaction and non-Gaussian transport in spectral changes of trapped electrons in glasses 9—78697
Funabashi, K. *see* Kikuchi, M. 9—89376
Funabashi, K. *see* Kitamura, M. 9—85638
Funabashi, M., Masui, S., Shioya, M., Imagawa, T. A mini-computer based prediction system for reducing acute damage caused by photochemical smog 9—57541
Funabiki, K. *see* Oguchi, H. 9—76661
Funada, T. A new method for extraction of power spectrum peaks of acoustic signals with pitch 9—98563
Funada, T., Nihei, I., Yuhara, S., Nakasuji, T. Measurements of hydrogen concentration in liquid sodium by using inert gas carrier method 9—81030
Funahashi, A. *see* Matoba, T. 9—50890, 9—77420
Funahashi, S. *see* Hiramatsu, S. 9—63238
Funakawa, H. *see* Smolinski, J. 9—80308
Funaki, T. Probabilistic construction of the solution of some higher order parabolic differential equation 9—97322
Funakoshi, N. Comment on analysis of crystallization kinetics of amorphous PdSi alloys 9—99078
Funakubo, N. Picture processing for measuring diameters of particles in cell membrane 9—84065
Funazkri, T. *see* Wakao, N. 9—68795
Funfschilling, J., Altwegg, L., Zschokke-Granacher, I., Chabr, M., Williams, D.F. The magnetic field dependence of the delayed fluorescence in p-terphenyl between 130 and 300K 9—69879
Fung, A.K. *see* Tan, H.S. 9—81331
Fung, P.C.W. *see* Cheng, F.T. 9—84662
Fung, P.C.W. *see* Melrose, D.B. 9—96905
Fung, Y.C. Inversion of a class of nonlinear stress-strain relationships of biological soft tissues 9—96593
Fung, Y.C. *see* Schmid-Schoenbein, G.W. 9—83815, 9—100640
Fung, Y.C. *see* Vawter, D.L. 9—96595
Fung, Y.-C. *see* Matsuzaki, Y. 9—64547
Fung, Y.-T. *see* Maestrello, L. 9—81935
Funk, H. A dual heating installation with an air to water heat pump and boiler as well as solar water heating in a two family house in Hickelhoven 9—87969
Funk, L.W. *see* Hutcheon, R.M. 9—70618
Funk, S.A. *see* Freeland, R.G. 9—83542
Funke, V.F., Pshenichnyi, I.V., Pliner, L.A., Lyakhov, D.M., Zubarev, P.V., Golomazov, V.M. Projections of equal output curves of coefficient of thermal expansion values on the ZrC-NbC-MoC_{1-x} composition triangle at temperatures of up to 2500°C 9—69267
Funke, V.F., Pshenichnyi, I.V., Zubarev, P.V., Pliner, L.A., Lyakhov, D.M., Golomazov, V.M. Some physicomechanical properties of ZrC-NbC-MoC_{1-x} alloys 9—66097
Funsten, H.O. A new version of PIRK (elastic pion-nucleus scattering) to handle differing proton and neutron radii 9—54456
Funsten, H.O. A new version of DWPI (inelastic pion-nucleus scattering) to incorporate microscopic form factors and differing proton and neutron radii 9—54457
Funsten, H.O. *see* Lieb, B.J. 9—67665
Funtikov, A.I. *see* Bessarab, A.V. 9—55530, 9—98941
Furber, J. Concentrator photovoltaic systems for economical electricity and heat 9—61997
Furbish, W.J. *see* Schrader, E.L. 9—79810
Furch, B. *see* Kreiner, W.A. 9—72306
Furchner, C.S., Ginsburg, A.P. 'Monocular rivalry' of a complex waveform 9—53148
Furcinitti, P.S. *see* Todd, P. 9—62307
Furdin, G. *see* Batallan, F. 9—95310
Furdyna, J.K. *see* Brazis, R.S. 9—82618, 9—95437
Furdyna, J.K. *see* Dixon, J.R., Jr. 9—73446
Furdyna, J.K. *see* Sansonetti, J.E. 9—78126, 9—99749
Furet, J.L. *see* Savornin, J.L. 9—76097
Furey, W., Jr., Wang, B.C., Yoo, C.S., Sax, M. Phase extension and refinement of Bence-Jones protein Rhe (1.9 Å) 9—99168
Furic, M. *see* Bassalleck, B. 9—59089, 9—67780, 9—85496
Furic, M. *see* Hoftiezer, J.H. 9—85509
Furic, M. *see* Pipin, G.P. 9—85316
Furic, M. *see* Svarc, A. 9—71845
Furiozzi, L., Masotti, L., Boscaleri, A., Lotti, F., Roma, V. Ultrasonic zonde with automatic sector scan echo signals presentation system 9—96637
Furlan, G. *see* Amaldi, E. 9—85306
Furlan, G. *see* De Alfaro, V. 9—58869
Furlan, P. *see* Budini, P. 9—80749
Furman, A., Casasent, D. Bipolar incoherent optical pattern recognition by carrier encoding 9—50230
Furman, D. *see* Schoen, R. 9—57447
Furman, J.M., O'Leary, D.P., Wolfe, J.W. Application of linear system analysis to the horizontal vestibulo-ocular reflex of the alert rhesus monkey using pseudorandom binary sequence and single frequency sinusoidal stimulation 9—100600
Furman, M.A. *see* Chanowitz, M.S. 9—75713
Furman, S. *see* Hurzeler, P. 9—70705
Furman, Sh.A. *see* Levina, M.D. 9—99963
Furman, T.R. *see* Ladany, I. 9—68393
Furman, W.I. *see* Dumitrescu, T. 9—75925

Furmanska, B. *see* Hand, L. 9—75979
Furmanski, W., Petrozio, R., Pokorski, S. Heavy flavour multiplicities at very high energies 9—75744
Furneaux, R.C., Thompson, G.E., Wood, G.C. An electronoptical study of the conversion coating formed on aluminium in a chromate/fluoride solution 9—74289
Furneaux, R.C. *see* Thompson, G.E. 9—70229
Furnrohr, P. *see* Epperson, J.E. 9—82127
Furrer, A., Gudel, H.U., Hauser, U. Exchange interactions in tetranuclear Cr^{3+} clusters of rhodosochloride tetrahydrate, $(Cr_4(OH)_6(NH_3)_{12})Cl_6.4H_2O$ 9—78359
Furrer, A., Halg, W., Heer, H., Vogt, O. Magnetic excitations in ferromagnetic CeSb 9—78352
Furrer, A. *see* Buhrer, W. 9—77699
Fursei, G.N. *see* Rozova, T.T. 9—65325
Fursenko, V.D., Karpman, N.M., Mazin, M.A., Fedorus, G.A. Semiconductor X-ray detector for industrial intensitometry 9—67452
Fursey, G.N. *see* Grishanov, B.I. 9—74067
Fursich, H. Calculation of locked rotor and running-up temperature rise for a deep-bar rotor 9—90115
Fursov, B.I. *see* Istekov, K.K. 9—54464
Fursov, B.I. *see* Kupriyanov, V.M. 9—97738
Fursov, N.D. State testing is an important factor in improving metrological provisions for national economy 9—93125
Fursov, V.V. *see* Golubev, L.I. 9—71878
Fursova, K.S., Lushcheikin, G.A., Malkin, A.Ya., Igonin, L.A., Voiteshonok, L.A., Kiselev, A.P., Serenkov, V.I., Zezina, L.A. The effect of molding pressure on the structure and properties of polytrifluorochloroethylene 9—52295
Furst, A. *see* Pfeifer, V.T. 9—80574
Furst, E. *see* Raoult, A. 9—66988
Furstenau, N., Hillenkamp, F., Nitsche, R. Laser-induced positive and negative molecular ions from thin carbon foils 9—90429
Furth, H.P. *see* Jassby, D.L. 9—71962
Furubayashi, E. *see* Enomoto, M. 9—61676
Furuhashi, R., Mura, T. On the equivalent inclusion method and impotent eigenstrains 9—97203
Furuhata, K. *see* Takezoe, H. 9—94873
Furuichi, S., Nakamura, K., Suzuki, H. Channel coupling effects and resonance phenomena 9—71765
Furuichi, S. *see* Osamura, K. 9—56989
Furukawa, H. Structure functions of quenched off-critical binary mixtures and renormalizations of mobilities 9—82343
Furukawa, H. Study of Langevin type equations by means of a new projection operator method in nonequilibrium states 9—97293
Furukawa, K., Take, K., Tsukamoto, C., Ozeki, T., Yoshizaki, O. Continuous after-polycondensation of polycaprolactam by falling thin film evaporator under reduced pressure 9—70325
Furukawa, K. *see* Ayano, T. 9—51003
Furukawa, M. *see* Iwasa, M. 9—57133
Furukawa, S. *see* Ishiwara, H. 9—99255
Furukawa, S. *see* Nagatomo, M. 9—60653
Furukawa, T., Aiba, J., Fukada, E. Piezoelectric relaxation in polyvinylidene fluoride 9—87394
Furukawa, T., Ishida, K., Fukada, E. Piezoelectric properties in the composite systems of polymers and PZT ceramics 9—99823
Furukawa, T. *see* Arisawa, J. 9—57603
Furukawa, T. *see* Tamura, H. 9—83763
Furukawa, T. *see* Tanaka, H. 9—83838
Furukawa, T. *see* Tanaka, S. 9—61782
Furukawa, T. *see* Yajima, K. 9—83992
Furukawa, Y. *see* Horikoshi, Y. 9—59700
Furukawa, Y. *see* Kobayashi, T. 9—98355
Furumura, T. *see* Shimoyamada, H. 9—100555
Furumura, Y., Ebina, A., Takahashi, T. Excitonic effects in ZnTe at E_0 and E_1 gaps studied by wavelength-modulated reflectivity spectroscopy 9—61400
Furumura, Y. *see* Asano, K. 9—83071
Furuno, K., Katori, K., Aoki, T., Ooi, T., Sanada, J. The $^{12}C+^{12}C+\alpha$ three-body final state induced by the $^{12}C+^{16}O$ entrance channel 9—63690
Furuno, K., Tagishi, Y., Yamanouchi, M., Sanada, J. A 700 keV tandem accelerator 9—54621
Furuno, K. *see* Sanada, J. 9—71857
Furutani, A. *see* Fujii-e, Y. 9—77734
Furutani, Y. *see* Tu Khiet 9—60148
Furutsu, K. An analytical theory of pulse wave propagation in turbulent media 9—58550
Furutsu, K. Review of the theory of the irradiance distribution function in turbulent media with a particular emphasis on analytical methods 9—64155
Furuya, H. *see* Tachibana, T. 9—79074
Furuya, K., Miyamoto, M., Suematsu, Y. Bandwidth limitations due to harmonic distortion in single-mode optical fibers 9—64335
Furuya, K., Miyamoto, M., Suematsu, Y. Bandwidths of single mode optical fibers 9—81560
Furuya, K., Suematsu, Y., Sakakibara, Y., Yamada, M. Influence of intraband electronic relaxation on relaxation oscillation of injection lasers 9—81433
Furuya, K., Tow Chong Chong, Suematsu, Y. Low-loss splicing of single-mode fibers by tapered-butt-joint method 9—50409
Furuya, K. *see* Shiraishi, H. 9—52452
Furuya, N., Matsuyuki, A., Higuchi, S., Tanaka, S. Determination of nitrate ion in waste and treated waters by laser Raman spectrometry 9—92113
Furuya, T. *see* Sakurai, T. 9—77627
Furuya, Y., Nakamura, I., Yamashita, S. The laminar and turbulent boundary layers on some rotating bodies in axial flows 9—77127
Furuya, Y. *see* Fujimoto, T. 9—95895
Fury, M., Huang, S.G., Jonas, J. Measurement of kinetics of solid-solid phase transformation by pulse NMR 9—95665
Furze, D.C. *see* Wadley, H.N.G. 9—83241
Furzikov, N.P. *see* Vasil'ev, B.I. 9—72557
Fusaro, R.L. Mechanisms of graphite fluoride $[(CF_x)_n]$ lubrication 9—83332
Fusaro, R.L., Sliney, H.E. Friction and wear behavior of graphite fiber reinforced polyimide composites 9—52381
Fusco, D. An asymptotic method of non-linear magnetosonic waves in an isothermal plasma with a finite conductivity 9—77374
Fusco, D. *see* Donato, N.A. 9—65703
Fusco-Girard, M., Mancini, F., Marinaro, M. Magnetic behaviour of a superconducting cylinder 9—65584
Fuse, G. *see* Hirao, T. 9—99227
Fuse, M. *see* Kamigaki, K. 9—61183
Fusek, R.L. *see* Harris, J.S. 9—85164
Fushchich, V.I., Nikitin, A.G. On the new invarience algebras of relativistic equations for massless particles 9—58909
Fuss, J., Schultz, H. Mobile interstitials in niobium near 4.5K 9—55783
Fuss, W., Hartmann, J. IR absorption of SF_6 excited up to the dissociation threshold 9—81245
Fussel, W. *see* Litovchenko, V.G. 9—51680
Fussell, J.W. *see* Kemp, D.P. 9—64450
Fustoss-Wegner, M. Mobility and thermally stimulated polarization measurements in metal-free phthalocyanine thin layers 9—73527
Fustoss-Wegner, M. Calorimetric and electrical measurements on amorphous $GeSe_2$ 9—78107
Fusy, J. *see* Jupille, J. 9—78823
Futa, K. *see* Batiza, R. 9—66657
Futagami, T., Fukuhara, T., Tomita, M. Transient finite element and linear programming method in environmental systems control—the efficient computational algorithm 9—57497
Futamase, T., Matsuda, T. Resonance between primordial gravitational waves and gravitationally bound systems 9—58599
Futamase, T., Matsuda, T. Resonance between primordial gravitational waves and a galaxy 9—92865
Futamoto, M. *see* Aida, T. 9—87850
Futamura, S. *see* Mochel, V.D. 9—66293
Futamura, Y., Kinoshita, T., Torikai, K. Piping cracks in JPDR. II. In service inspection of weld joints in reactor coolant pressure boundary 9—49706
Futamura, Y., Torikai, K., Ogawa, Y. Piping cracks in JPDR. IV. Analysis of cause of cracks found near weld joints connecting reactor vessel nozzle safe-end to pipe 9—66204
Futergendler, S.N. Dislocations and other defects in single crystals of cubic boron nitride 9—99207
Futrell, J.H. *see* Novick, S.E. 9—64042
Fuwa, M. *see* Shigematsu, Y. 9—53097
Fuwa, M. *see* Yamada, M. 9—66471
Fuyuki, M. *see* Suzuki, T. 9—71810, 9—89252
Fuzellier, H. *see* Christiany, L. 9—65305
Fyans, R.L. *see* Cassel, B. 9—54128
Fyat, A. *see* Herlemont, F. 9—59455
Fye, D.M. An integral equation method for the analysis of magnetic deflection yokes 9—50183
Fyfe, A.R. *see* Bourquin, M. 9—71768
Fyfe, C.A. Dynamic structures of organic solids 9—73829
Fyfe, W.S. The geochemical cycle of uranium 9—84275
Fykin, L.E. *see* Treushnikov, E.N. 9—90595
Fymat, A.L. *see* Buriez, J.C. 9—70976
Fynn, G.W., Powell, W.J.A. The cutting and polishing of electro-optic materials 9—81583
Fyodorov, V.D. *see* Baldin, A.M. 9—72125
Fyodorov, V.V., Ryl'nikov, A.S. On the hyperfine structure of the X-ray lines involved in K-capture 9—85931
Fyson, W.K., Frith, R.A. Regional deformations and emplacement of granitoid plutons in the Hackett River greenstone belt, Slave Province, Northwest Territories 9—100834
Fyson, W.K., Herd, R.K., Ermanovics, I.F. Diapiric structures and regional compression in an Archean greenstone belt, Island Lake, Manitoba 9—57922
Fytas, G. *see* Dorfmuller, T. 9—86672
Ga, E. *see* Kikuchi, M. 9—89376
Gaaff, A., Hijmans, J. Bifurcation analysis of the sixteen-vertex model 9—85091
Gaal, I. *see* Barna, A. 9—56993
Gaarenstroom, S.W. Chemical characterization from carbon Auger spectra by application of pattern recognition and factor analysis 9—79347
Gab, S., Korte, F. Heterogeneous photodecomposition of fluorochlorocarbons under simulated tropospheric conditions 9—53408
Gabalawi, N.El *see* El Gabalawi, N.
Gabaraeva, A.D. *see* Regel', V.R. 9—52559
Gabathuler, E. The role of the quark from deep inelastic electron and muon scattering experiments 9—93430
Gabay, J. *see* Boazi, M. 9—52975
Gabay, S. *see* Tenenbaum, J. 9—50284
Gabbarro-Arpa, J., Tougard, P., Reiss, C. Correlation of local stability of DNA during melting with environmental conditions 9—88048
Gabe, D.R. *see* Eyre, D. 9—96229
Gabe, D.R. *see* Nicklen, D.A.L. 9—52465
Gabe, D.R. *see* Walsh, F.C. 9—83144
Gabe, E.J. *see* Wang, Y. 9—99135
Gabe, E.J. *see* Yu Wang 9—69078
Gabeev, K.V. *see* Zav'yalov, A.S. 9—100135
Gabel, C. *see* Agostinelli, J. 9—89940
Gabel, C.W. *see* Kostuk, R.K. 9—79695
Gabelica-Robert, M., Tarte, P. Synthesis, X-ray diffraction and vibrational study of silicates and germanates isostructural with kentrolite $Pb_2Mn_2Si_2O_9$ 9—61360
Gaberson, P. *see* Jassby, D.L. 9—50898
Gabeskiriya, V.Ya., Gryzina, V.V., Zaitsev, A.A., Mikulenok, V.V., Miller, O.A., Novikov, Yu.B., Polyukhov, V.G., Robulets, G.N., Tikhomirov, V.V., Chetverikov, A.P., Yakovlev, G.N. Content of uranium isotopes and transuranium elements in the spent fuel of the VVER-365 reactor 9—71938
Gabeskiriya, V.Ya. *see* Prokopenko, V.S. 9—97830
Gabibov, S.A. *see* Arazov, G.T. 9—84726
Gabioud, B., Alder, J.-C., Joseph, C., Loude, J.-F., Morel, N., Perrenoud, A., Perroud, J.-P., Tran, M.T., Winkelmann, E., Dahme, W., Panke, H., Renker, D., Zupancic, C., Strassner, G., Truol, P. n-n scattering length from the photon spectra of the reactions $\pi^-d\rightarrow\gamma nn$ and $\pi^-p\rightarrow\gamma n$ 9—67600
Gabioud, B. *see* Alder, J.-C. 9—85381
Gabioud, B. *see* Strassner, G. 9—89280
Gabis, V., Guenard, C., Panis, D., Coquand, B., Daviot, J., Gauche, J.P., Gailly, C., Cabannes, F. Characterization of refractories thermal shock resistance by the mean of permeability variation measurements 9—96108
Gablin, K.A., Garner, S.F. Transportation and burial of radioactive wastes 9—54574
Gaboriaud, R.J., Cadoz, J. High voltage electron microscopy study of dislocation configuration in plastically deformed monocrystalline yttrium oxide (Y_2O_3) 9—55747
Gabovich, A.M., Gavrilyuk, L.V., Moiseev, D.P., Pashitskii, E.A., Prikhot'ko, A.F., Uvarova, S.K., Shpigel', A.S. Superconductivity and dielectrization in semimetallic systems 9—65578
Gabovich, M.D., Dzhabbarov, D.G., Naida, A.P. The decompensation effect in a dense beam of negative ions 9—68934
Gabovich, M.D., Simonenko, L.S., Soloshenko, I.A. Space-charge neutralization of an intense negative-ion beam 9—55048
Gabriel, T.A., Bishop, B.L. The response of a uranium-plastic calorimeter to low GeV ($\leq$10 GeV) protons 9—93882
Gabriel, T.A. *see* Alsmiller, R.G., Jr. 9—81061
Gabrielli, C., Keddam, M., Takenouti, H., Quang Kini, V., Bourelier, F. The relationship between the impedance of corroding electrode and its polarization resistance determined by a linear voltage sweep technique 9—83466
Gabrielli, I., Zugna, S. Pseudo-stationary ultrasonic fields in fluids 9—81610
Gabrielli, I. *see* Calligaris, F. 9—76907
Gabrielsson, A., Jansson, E.V. Long-time-average-spectra and rated qualities of twenty-two violins 9—50537
Gabrielsson, A., Sjogren, H. Perceived sound quality of sound-reproducing systems 9—68536
Gabrielyan, R.G. *see* Alexandrov, I.V. 9—76499
Gabrielyan, R.G. *see* Arakelyan, A.R. 9—87345
Gabrielyan, R.G. *see* Mkrtchyan, A.R. 9—61277
Gabrijel, Z., Nicholls, J.A. Cylindrical heterogeneous detonation waves 9—64691
Gabuda, S.P. *see* Kriger, Yu.G. 9—99787
Gabuniya, D.L. *see* Tavadze, F.N. 9—78871
Gac, F.D. *see* Hurley, G.F. 9—86932
Gaca, A. *see* Wessels, G. 9—83866
Gacek, A., Kaliski, S., Tyl, J. Concentric hyperdetonation on consideration of combustion kinetics 9—68748
Gacek, A., Kaliski, S., Tyl, J. Model optimization of detonation-wave description on consideration of combustion kinetics 9—91955

Gachko, G.A., Kivach, L.N., Komyak, A.I., Maskevich, S.A., Ostrovskii, Yu.M., Cherenkevich, S.H. Electronic structure and polarization of luminescence emitted by pyrimidine derivatives 9—85993
Gacon, J.C. *see* Boulon, G. 9—78746
Gacs, I., Mlinko, S., Payer, K., Otvos, L., Vargay, Z., Banfi, D., Palagyi, T. Automatic isotope gas analysis of tritium labelled organic materials. III. Determination of tritium in organic compounds and biological samples by a combustion method combined with isotope exchange 9—57333
Gaczi, P.J. *see* Fritzsche, H. 9—82472
Gaczynski, R. *see* Jankowska, H. 9—70010
Gadd, A.J. Topics in dynamical meteorology. IX. Numerical modelling of the atmosphere 9—84459
Gaddini, B., Morganti, M. Calibration in water of hot-wire tachometer in the presence of fluid temperature and probe resistance variations 9—72966
Gadea, S., Petrescu, M., Bojin, D. Microstructural characterization by electron probe microanalysis of the metallic binders in diamond tools 9—74114
Gademann, G. *see* Drenckhahn, W. 9—93584
Gadenne, P. Modifications of the optical and electrical properties of thin gold films as a function of structure during deposition 9—78777
Gadevskaya, T.A. *see* Ugai, Ya.A. 9—86812
Gadioli, E. *see* Legrain, R. 9—85499
Gadioli Erba, E. *see* Legrain, R. 9—85499
Gadjokov, V.I. Display-assisted automation in data processing 9—85131
Gadomski, A.M., Bouzyk, J., Sujczynska, M. Determination of small reactivity in real time by the inverse kinetics method 9—63752
Gadomski, W., Roman, M. Optically induced birefringence in liquids in the presence of an external electric field 9—78648
Gadre, R. *see* Dhariwal, S.R. 9—79392
Gadre, S.R. Some inequalities among expectation values of one-electron operators in atomic systems 9—89590
Gadzhev, G. Boundary between laminar and turbulent conditions of flow of fluids in pipes 9—60066
Gadzhiev, G.I. *see* Gryaev, V.M. 9—97877
Gadzhieva, S.I. *see* Azimov, S.A. 9—49559, 9—80857
Gadzuk, J.W. Coupled-harmonic-oscillator model for the vibrational modes of an adsorbed diatomic molecule 9—82461
Gadzuk, J.W. Vibrational excitation, hole delocalization, and photoelectron line shapes of molecules 9—95905
Gaehtgens, P., Albrecht, K.H., Kreutz, F. Fahraeus effect and cell screening during tube flow of human blood. I. Effect of variation of flow rate 9—62272
Gaehtgens, P., Kreutz, F., Albrecht, K.H. Fahraeus effect and cell screening during tube flow of human blood. II. Effect of dextran-induced cell aggregation 9—62273
Gaemers, K.J.F., Gastmans, R., Renard, F.M. Neutrino counting in e^+e^- collisions 9—49502
Gaenko, N.S. *see* Marants, A.G. 9—82397
Gaeta, F.S. *see* Bellucci, F. 9—96366
Gaeta, R. *see* Gonzalez, J.A. 9—97960
Gaeta, R. *see* Gonzalez, L. 9—80876
Gaffarov, B. *see* Leksovskii, A.M. 9—57106
Gaffey, J.D., Jr. *see* Da Jornada, E.H. 9—60154
Gaffga, R. *see* Zeidler, H. 9—79585
Gaffney, R.D. *see* O'Reilly, R.J. 9—88171
Gafner, G. *see* Broden, G. 9—82463
Gafni, G., Rafaeloff, R., Shamir, J. Low temperature preparation of polycrystalline lead-tin tellurides in a lead iodide flux 9—61524
Gafni, H., Zeevi, Y.Y. A model for processing of movement in the visual system 9—66473
Gaft, M.L. *see* Gorobets, B.S. 9—95829
Gafurov, R.G. *see* Atovmyan, L.O. 9—86781
Gafvert, U. *see* Nordblad, P. 9—91217
Gagarin, A.G. *see* Vigdorchik, V.Kh. 9—94607
Gagarin, Yu.A., Pichkov, S.N., Skudnov, V.A., Sokolov, L.D. Effect of the nature of the stressed state on ductility and failure in structural steels 9—57078
Gagarin, Yu.F. *see* Baranov, D.G. 9—80176
Gagarin, Yu.F. *see* Varyukin, V.V. 9—80963
Gage, K.S., Balsley, B.B. Doppler radar probing of the clear atmosphere 9—66811
Gage, K.S., Clark, W.L. Mesoscale variability of jet stream winds observed by the Sunset VHF Doppler radar 9—53477
Gage, S. *see* Clifford, P. 9—52861
Gagen-Torn, V.A., Perevozchikova, A.I., Ershtadt, S.G., Yakovleva, V.A. On the existence of periodic components in the light variation of BL Lac 9—101205
Gaggelli, E., Tiezzi, E., Valensin, G. NMR relaxation investigation of water 'ordering' in aqueous lysozyme solutions 9—62171
Gagkayeva, V.V., Mashnin, S.V. Study of the electrical breakdown of diffused gallium arsenide p-n junctions 9—87147
Gagliano, J.A. *see* Schuchardt, J.M. 9—80061
Gagliardi, C.A. *see* Davids, C.N. 9—54410
Gagliardi, C.A. *see* Freedman, S.J. 9—67703
Gagnaire, H., Goure, J.P., Massot, J.N., Lambert, A.M. Determination of defects of the circular cross section of an unclad optical fibre 9—89991
Gagne, J.M., Leblanc, B., Mongeau, B., Carleer, M., Bertrand, L. Study by laser beam absorption of a vapour of $^{238}U(^5L^0_6)$ obtained from a hollow cathode lamp 9—59402
Gagne, J.M. *see* Bertrand, L. 9—72591
Gagne, J.-M., Leblanc, B., Demers, Y., Mongeau, B. Generator of uranium vapour: the pulsed hollow cathode lamp 9—82107
Gagne, M. *see* Lachambre, J.L. 9—86189
Gagnepain, J.J. *see* Auld, B.A. 9—99824
Gagnepain, J.J. *see* Hauden, D. 9—55291
Gagnepain, J.-J. *see* Janiaud, D. 9—55300
Gagnon, R.E., Gammon, P.H., Kiefte, H., Clouter, M.J. Determination of the refractive index of liquid carbon monoxide 9—65816
Gagnon, R.T. Phoneme based speech synthesis 9—90098
Gagnon, W.F. Measurement of surface dose 9—100748
Gagnon, W.F., Horton, J.L. Physical factors affecting absorbed dose to the skin from cobalt-60 gamma rays and 25-MV X-rays 9—83937
Gagny, C. *see* Blanchard, J.-P. 9—79843
Gagosian, R.B., Lee, C., Heinzer, F. Processes controlling the stanol/stenol ratio in Black Sea seawater and sediments 9—92549
Gagosian, R.B. *see* Lee, C. 9—74885
Gai, P.L. *see* Boyes, E.D. 9—86659
Gai, S.L. The centre-line velocity in the laminar near wake of a thin flat plate set parallel to a supersonic stream 9—55392
Gaia, M., Macchi, E. A comparison between sun and wind as energy sources in irrigation plants 9—57448
Gaia, M., Macchi, E. A comparison between sun and wind as energy sources in irrigation plants 9—70425
Gaia, M. *see* Giglioli, G. 9—52955
Gaida, G., Krautter, J., Zekl, H. A computer readable catalogue 9—88605
Gaidai, Yu.A. *see* Solomko, A.A. 9—56523, 9—95650
Gaidash, T.S. *see* Shevchenko, V.V. 9—61812
Gaididei, Yu.B. Antiferromagnetic biexcitons in the critical temperature range 9—95601
Gaididei, Yu.B., Trofimov, A.S. Theory of exciton migration in a critical region 9—73440
Gaididei, Yu.B., Trofimov, A.S. Quantum theory of migration of exciton excitations in extrinsic crystals 9—87043
Gaidos, J.A., Gutay, L.J., Hirsch, A.S., Mitchell, R., Ragland, T.V., Scharenberg, R.P., Turkot, F., Willmann, R.B., Wilson, C.L. Evidence for fragment production via two body breakup 9—85440
Gaidot, A. *see* Fujisaki, M. 9—49542, 9—63521
Gaiduk, A.L. *see* Fil, V.D. 9—60975
Gaiduk, E.A. *see* Aleksandrov, L.N. 9—95927
Gaidukov, A.M. *see* Udovsky, A.L. 9—82304
Gaidukov, M.G. *see* Vil'danova, N.F. 9—91708
Gaidukov, M.N. *see* Yalamov, Yu.I. 9—55408
Gaidukov, Yu.P., Danilova, N.P., Shcherbina-Samoilova, M.B. Electrical resistance of bismuth whiskers under strain 9—91164
Gaidukova, V.S., Dudkin, L.D., Erofeev, R.S., Musaelyan, V.V., Nadzhin, A.E., Sokolov, O.B. Equilibrium state of the δ phase with tellurium in the system Sb-Bi-Te 9—52178
Gaievskii, A.S., Faidysh, A.N., Yankovskaya, L.B., Lisovenko, V.A. Luminescence from anthracene single crystals with photoinduced local centres 9—61433
Gaigalas, A.I. *see* Kabailene, M.V. 9—88332
Gaigalas, A.K. *see* Shroy, R.E. 9—54381
Gaigalas, K.I. *see* Rachinskene, S.S. 9—91598
Gaigalis, K.S. *see* Ambrozhyavichyus, R.A. 9—84311
Gail, H.-P., Sedlmayr, E. Dynamical evolution of spherical gas-dust nebulae including diffusion effects 9—80342
Gail, H.-P., Sedlmayr, E. Dynamic evolution of a dusty H II-region 9—88719
Gaillard, J. *see* Bronchard, J.P. 9—95037
Gaillard, J.-M. *see* Bourquin, M. 9—71768
Gaillard, M.J. *see* Cue, N. 9—64103, 9—76484
Gaillard, M.K. Weak interactions 9—67492
Gaillard, M.K. Weak interactions beyond the Z pole(s) 9—97568
Gaillard, M.K. *see* Albrow, M. 9—97605
Gaillard, M.K. *see* Ellis, J. 9—63406
Gaillard, M.L. *see* Churassy, S. 9—81234
Gailly, C. *see* Gabis, V. 9—96108
Gaily, T.D. *see* Coggiola, M.J. 9—54801
Gain, C. *see* Lavalley, J.-C. 9—82967
Gainer, J.L. The effects of plasma constituents on diffusivity of oxygen 9—92460
Gainer, J.L. *see* Karamercan, O.E. 9—94614
Gainer, L.J., Wallwork, G.R. An apparatus for the examination of localized corrosion behavior 9—91863
Gaines, A.L. *see* Jassby, D.L. 9—50898
Gaines, I. *see* Atiya, M.S. 9—80831
Gaines, J.L. The Lawrence Livermore Laboratory X-ray calibration facility 9—49354
Gaines, J.R., Tsugawa, R.T., Souers, P.C. Radiation-catalyzed ortho-to-para transition in solid tritium 9—73832
Gaines, J.R. *see* Cochran, W.T. 9—90845
Gainutdinov, I.S. *see* Markov, Yu.N. 9—98496
Gaipov, B.N. *see* Boulanger, Y.D. 9—92466
Gairard, B. *see* Lang, J. 9—62319
Gaisanyuk, A.V., Kugel, K.I., Petrov, V.A. Some preculiarities of the Hall constant in disordered materials: the ZrC-C system as an example 9—56277
Gaisanyuk, A.V., Kugel', K.I., Petrov, V.A. Hall effect in disordered materials with specific application to the ZrC-C system 9—95459
Gaiseanu, F., Loghin, V., Kozma, N., Badila, M. The determination of the superficial phosphorus and boron diffusion in silicon diffusion profiles 9—77615
Gaisenok, V.A., Dudarev, I.A., Klishchenko, A.P. Temperature and viscosity effects in optically quenched fluorescence 9—56833
Gaisenok, V.A., Zholnerevich, I.I., Sarzhevskii, A.M. Role of diffusion rotation of molecules during absorption from excited states 9—93978
Gaiser, J. *see* Chestnut, R. 9—89531
Gaisin, F.M. *see* Bedretdinov, Z.M. 9—55585
Gaisler, V.A., Kravchenko, A.F., Solov'ev, V.F., Terekhov, A.S. Possibility of constructing optical memory elements from MIS structures based on GaAs 9—65556
Gaisser, T.K. *see* Dover, C.B. 9—54308
Gaisser, T.K. *see* Ellsworth, R.W. 9—58990
Gaither, R.L., Vaughan, W.E. Dielectric relaxation in short chain molecules 9—95706
Gaivoronskii, A.T., Bulychev, D.K. Hydrostatic pressing of metallic oxide powders and their mixtures 9—70029
Gaj, G.I. *see* Belushkina, A.A. 9—63324
Gaj, J.A. *see* Wojtal, R. 9—65908
Gajardo, P., Mathieux, A., Grange, P., Delmon, B. ESCA and EPR measurements on hydrodesulfurization catalysts after high pressure catalytic reaction 9—52755
Gajardo, P. *see* Delannay, F. 9—61898
Gajewski, A. *see* Albinska, M. 9—64497
Gajewski, H., Zacharias, K. On the convergence of Fourier's method for nonlinear wave-envelope equations 9—55463
Gajewski, J., Kupczynski, M. Purity tests for π^-d charge multiplicity distributions 9—97602
Gajewski, W., Świecki, M. Electron-positron storage rings and elementary particle physics 9—76218
Gakh, G.I. Nonconservation of muonic number and $\mu \to e+\gamma+\gamma$, $\mu+e \to \gamma+\gamma$, $\gamma+e \to \gamma+\mu$ processes 9—80817
Gakstatter, J.H., Bartsch, A.F., Callahan, C.A. The impact of broadly applied effluent phosphorus standards on eutrophication control 9—88015
Gal, A. Hypernuclear spectroscopy 9—85562
Gal, A. *see* Toker, G. 9—75797, 9—85341
Gal, H.Le *see* Le Gal, H.
Gal, J., Bibok, G. A zero crossing discrimination technique for constant fraction timing 9—76308
Gal, J., Fredo, S., Hadari, Z., Buevoz, J.L., de Novion, C. Magnetic and hyperfine properties of $NpFe_{2-x}Co_xSi_2$ tetragonal systems 9—51887
Gal, J. *see* Berecz, I. 9—62382
Gal, L. *see* Suzuki, T. 9—99738
Gal, V. *see* Brumen, M. 9—62174
Gal', V.V. *see* Zalesskaya, I.M. 9—78917
Gal, Y. *see* Ben-Zvi, I. 9—72159
Gal-Or, B. *see* Tal Thau, R. 9—68821
Gal-Or, L. *see* Feigenbaum, C. 9—70182, 9—74293
Galabov, V. Infrared intensities: an MO study of some properties of the bond polarity parameters 9—63914
Galaev, A.A., Gamosov, L.V., Parkhomenko, Yu.N., Shirkov, A.V. Structural changes in a (111) cleavage face of germanium 9—95249
Galakhov, M.A., Gusyatnikov, P.B. Correct formulation of a one-dimensional isothermal problem in contact hydrodynamics 9—86387
Galakhov, M.A., Zapparov, K.I., Terent'ev, E.D. Pressure distribution and gap shape in a one-dimensional elastohydrodynamic contact 9—94526
Galaktionov, I.I., Gorelov, V.Yu. Breakdown in a CO_2 photoionization laser: effect on output 9—68379
Galaktionova, N.M., Gershun, V.V., Kalmychek, A.A., Mak, A.A., Orlov, O.A., Ustyugov, V.I. Use of solid-state laser with minimum amplitude noise for high-sensitivity measurements 9—63317
Galambos, J. *see* Stark, R.A. 9—86605
Galan, N. The electromagnetic field produced by a circular coil carrying AC in plane anisotropic conducting plates 9—72456
Galan, P. *see* Prouza, Z. 9—68113
Galand, C. *see* Esteban, D.J. 9—64448
Galanin, M.D., Chizhikova, Z.A. Use of S_2-S_0 luminescence of dyes for picosecond measurements 9—87506

Galanin, M.D., Khan-Magometova, Sh.D. Energy transport in an anthracene-doped naphthalene crystal at room and cryogenic temperature 9—56828
Galante, J.O. *see* Mikosz, R.P. 9—92270
Galante, J.O. *see* Rostoker, W. 9—96709
Galantowicz, T.A. *see* Danielewicz, E.J. 9—94220
Galarza, J.J.U., Perez, M.F. Morphology of etch pits and their correlation with the microstructure of high purity aluminium single crystals 9—69106
Galasco, R.T. *see* Savinell, R.F. 9—92070
Galashin, E.A., Netesova, N.P., Fomina, T.V., Chernov, S.F. Some characteristics of spectral absorption by ultra fine grained silver halide emulsions 9—69871
Galassi, F. Light as a toxic agent 9—62295
Galassini, S. *see* De Blasi, C. 9—65793, 9—76278
Galasso, F.S. Pyrolytic silicon nitride prepared from reactant gases 9—95935
Galatanu, V., Grecescu, M. Instrumental activation analysis of chlorine through photonuclear reactions 9—61931
Galatchi, G. *see* Glodeanu, F. 9—61551
Galawez, K. *see* Abou-Leila, M.A.A. 9—85576
Galayda, J., Blumberg, L., Heese, R., Schüchman, J., Krinsky, S., van Steenbergen, A. The NSLS booster synchrotron 9—67973
Galayda, J., Heese, R.N., Hsieh, H.C.H., Kapfer, H. The NSLS magnet system 9—68038
Galayda, J. *see* Blumberg, L. 9—68031
Galayda, J. *see* Krinsky, S. 9—68023
Galayev, A.N. *see* Bogdanov, P.V. 9—54656
Galazka, R.R. First Polish technological experiments in cosmic space 9—56920
Galazka, R.R. Semimagnetic semiconductors based on HgMnTe and CdMnTe 9—95331
Galazka, R.R. *see* Dobrowolska, M. 9—56249
Galazka, R.R. *see* Pastor, K. 9—61351
Galazka, R.R. *see* Szlenk, K. 9—51577
Galazyuk, V.A., Khilo, O.E. Axisymmetric acoustic wave radiation by locally perturbed impedance boundary of half-space 9—50474
Galbally, I.E., Garland, J.A., Wilson, M.J.G. Sulphur uptake from the atmosphere by forest and farmland 9—74939
Galbe, G., Meziere, Y. Some observations on Timoshenko coefficients 9—68609
Galbraith, D.L., Kammash, T. Analytical approximations to the rate coefficients for charge exchange and ionization of neutral beams 9—86590
Galbraith, D.L., Kammash, T. A simple binary collision theory of high beta mirror reactors 9—86603
Galbraith, H.W. *see* Patterson, C.W. 9—98009
Galbraith, W. *see* Bussey, P.J. 9—75778, 9—80829
Gal'chene, Yu.V. Distribution of N and P in soils of Lake Akmena catchment area 9—96780
Gal'chenko, T.G. *see* Usatikov, I.F. 9—82415
Gal'chuk, A.V. *see* Bogdanov, P.V. 9—54656
Galdi, G.P. An application of the invariance principle to a nonlinear, first order evolution problem: Asymptotic stability in non-isothermal magnetohydrodynamics 9—97197
Galdi, G.P., Rionero, S. Continuous dependence theorems for Navier-Stokes equations in unbounded domains by the weight-function method 9—77056
Galduk, M.I., Grigor'yants, V.V., Zhabotinskii, M.E., Makovestskii, A.A., Tishchenko, R.P. Neodymium pentaphosphate microlaser pumped by the second harmonic of a YAG:Nd^{3+} laser 9—98377
Gale, H.J. *see* Andrew, E.R. 9—96632
Gale, I.G. *see* Grainger, F. 9—66380
Gale, R.J. *see* Salmeron, M. 9—66269
Galeel, A. *see* Al-Bassam, T.S. 9—78205
Galeener, F.L. Band limits and the vibrational spectra of tetrahedral glasses 9—73935
Galeener, F.L., Lucovsky, G., Geils, R.H. Raman and infrared spectra of vitreous As_2O_3 9—73933
Galeener, F.L., Mikkelsen, J.C., Jr. The Raman spectra and structure of pure vitreous P_2O_5 9—69838
Galeev, A.A. Reconnection in the magnetotail 9—80102
Galeev, A.A., Zeleni, L.M. Effect of rare collisions on the diffusion of a plasma in stohcastic magnetic fields 9—77342
Galeeva, L.Kh. *see* Barybin, A.A. 9—86903, 9—87584
Galejs, A. *see* Penner, S. 9—76226
Gales, S. *see* Fortier, S. 9—63592
Galeski, A. Analysis of microscopic images. II. Quantification of microscopic images 9—49347
Galeski, A. *see* Pakula, T. 9—69031
Galetuse, S. *see* Constantinescu, V.N. 9—94589
Galgani, L. Stochasticity thresholds for systems of coupled oscillators 9—80465
Galgani, L. *see* Benettin, G. 9—54056
Galiakberov, D.Sh., Dorofeev, V.A., Ovsyannikov, V.A. Evaluation of the effectiveness of multispectral optoelectronic systems with color image display 9—81553
Galib-Ogly, F.A. *see* Artemov, V.M. 9—52659
Galibina, I.V., Simonenko, A.N., Levin, B.Yu. The last parent body of the Farmington meteorite remains undiscovered 9—101124
Galic, H., Guberina, B., Picek, I., Tadic, D. Flavour symmetry breaking and isovector parity-violating potentials 9—80780
Galicia, S., Killingbeck, J. Accurate calculation of perturbed oscillator energies 9—58580
Galik, R. *see* Dixon, R. 9—89169
Galik, R.S. *see* Shupe, M.A. 9—63485
Galimov, D.G., Tarzimanov, K.D. ESR of SeO_2^- and SeO_3^- radicals in alkali borate glasses containing the ^{77}Se isotope 9—65740
Galin, D., Johnstone, J., Nakell, L., Herron, J. Development of the capacity for tactile information transfer between hemispheres in normal children 9—83809
Galin, M.B. The energetics of a twelve-component general circulation model 9—84375
Galin, M.B., Kirichkov, S.E. A small-component general circulation model of the atmosphere with Coriolis variable parameter 9—100896
Galin, N.M. On the balance equations for the turbulent energy of pulsation velocity components 9—90228
Galindo, A. An algorithm to construct evolution equations with a given set of conserved densities 9—71257
Galindo, A. *see* Abellanas, L. 9—71256
Galinier, J.-L. *see* Diksic, M. 9—63673
Galishnikova, Yu.N. *see* Bilenko, D.I. 9—49272
Galitseiskii, B.M. Heat exchange in turbulent gas streams during high-frequency variations of pressure 9—50723
Galitskii, V.M., Ivanov, Yu.B., Khangulyan, V.A. Kinetic coefficients of nuclear matter 9—93544
Galitskii, V.Yu., Sokolov, Yu.A., Novik, V.K., Ivanov, N.R. Temperature dependence of polarization of series of linear pyroelectrics 9—99821
Galitskii, V.Yu. *see* Sokolov, Yu.A. 9—90577
Galitsky, V.M. *see* Baldin, A.M. 9—72125
Galiulin, R.V. Holohedral varieties of simple forms of crystals 9—94940
Galka, M. New resonant scatterer for measuring microwave magnetic-field distributions 9—49211
Galkin, A.A., Dan'shin, N.K., Vetchinov, A.V. Behavior of the energy gaps of a biaxial antiferromagnet in the flopped phase 9—87320
Galkin, A.A., Telepa, V.T. Effect of high hydrostatic pressure on the width of the existence domain of the intermediate state in an antiferromagnetic $CuCl_2.2H_2O$ single crystal 9—87255
Galkin, E.A. *see* Izhvanov, L.A. 9—61796
Galkin, E.B., Gal'pershtein, L.Ya. Expert evaluation of different luminaire systems 9—89030
Galkin, V.D. Pressure-induced line shift in the (0,0) $b^1\Sigma_g^+$-$X^3\Sigma_g^-$ band of oxygen 9—98160
Galkin, V.I. Apparatus for studying the rate of diffusion of metallic materials in aluminium melts 9—86913
Galkin, V.M. *see* Baldin, A.M. 9—72125
Galkin, V.S. Comment on the paper 'Solution of the Boltzmann equation for small Knudsen numbers' by I.V. Chekmarev 9—81925
Galkin, V.S., Kogan, M.N., Makashev, N.K. Equations for a multi-velocity, multi-temperature mixture of gases 9—77052
Galkin, Yu.S., Shumskii, M.P. Subharmonic oscillations of sensitive element in accelerometer with gas-dynamic suspension 9—88948
Galkina, N.S. *see* Yazkulyev, A. 9—96422
Galkina, O.S., Lazareva, L.V., Shvets, T.M. Effect of cobalt plating on the magnetic properties of γ-Fe_2O_3 powders 9—69699
Galkowski, A., Gluchowski, W., Kaliski, S., Swierczynski, R. Neutron yield for critical explosion-induced D-T compression in spherical system with heavy inertial layer. I 9—67940
Galkowski, A., Gluchowski, W., Kaliski, S., Swierczynski, R. Neutron yield for critical explosion-induced D-T compression in spherical system with heavy inertial layer. II 9—67941
Gall, H.Le *see* Le Gall, H.
Gall, L.Le *see* Le Gall, L.
Gall, M.H.W. Strain gauge slip ring circuits 9—67291
Gall, P.D. *see* Jonker, M. 9—93399
Gall, R. *see* Blakeslee, R. 9—88421
Galla, H.-J. *see* Heithier, H. 9—100580
Gallagher, A. Metal vapor excimers 9—81419
Gallagher, D.A., Klein, M.V. Raman scattering studies in the solid electrolytes of the $RbAg_4I_5$ family 9—73934
Gallagher, J.E., Jr. *see* Nahas, N.C. 9—52870
Gallagher, J.J. *see* Smith, W.M. 9—70672
Gallagher, J.M., Haydock, R. Theory of electronic structure and overlayer structures of oxygen on the nickel (001) surface 9—65319
Gallagher, J.M., Madera, E.J., Reid, J.B. Design of internal architecture for Westinghouse microprocessor-based [nuclear reactor] integrated protection system 9—76100
Gallagher, J.S., Holm, A.V., Anderson, C.M., Webbink, R.F. Ultraviolet photometry from the Orbiting Astronomical Observatory. XXXIII. The symbiotic star AG Pegasi 9—53814
Gallagher, J.S., van den Bergh, S. A peculiar nebula surrounding the K giant HD 20722 9—58407
Gallagher, N.C., Jr. *see* Bucklew, J. 9—98311
Gallagher, P.K., Gyorgy, E.M., Bair, H.E. An anaomly in the oxidation rate of magnetite at its Curie temperature 9—96298
Gallagher, P.K. *see* Bracconi, P. 9—78945
Gallagher, P.K. *see* Kinsbron, E. 9—79357
Gallagher, R.H. *see* Loganathan, K. 9—90160
Gallagher, S.F., Hately, W., Nicholls, B. The choice of film for ultrasound imaging 9—88143
Gallagher, T.E. *see* Cooke, W.E. 9—81163
Gallagher, T.F., Cooke, W.E. Collisional dephasing of the Na 13d-13f transition using the Ramsey method of separated RF fields 9—54791
Gallagher, T.F., Cooke, W.E. The detection of 300K blackbody radiation with Rydberg atoms 9—58787
Gallagher, T.F., Cooke, W.E. Field ionization of excited states of potassium 9—59592
Gallagher, T.F., Cooke, W.E. Collisional depopulation of excited Na s states by He, Ar, and Xe 9—86057
Gallagher, T.F. *see* Cooke, W.E. 9—72258
Gallagher, T.J., Kochan Ju, Humphrey, F.B. State identification and stability of magnetic bubbles with unit winding number 9—56581
Gallagher, T.J., Pearmain, A.J. Electrical breakdown of polybutene oils 9—91360
Gallagher, W.J. The transient response of a microwave cavity 9—72027
Gallagher, W.J. The multipactor effect 9—76175
Gallagher, W.J. *see* Bauer, A.A. 9—89382
Gallagher, W.J. *see* Cipolla, S.J. 9—49897
Gallagher, W.J. *see* Farrell, S.R. 9—72028
Gallaher, T.N. *see* De Vore, T.C. 9—89666
Gallaher, T.N. *see* DeVore, T.C. 9—63998, 9—68230
Gallai, S., Szilagyi, M. Field distribution of a rotationally symmetric periodic electrostatic focusing system 9—76574
Galland, D. *see* Clerjaud, B. 9—69723
Galland, J., Pahuta, P., Mazanec, K., Hyspecka, L. New methods of investigating the martensitic transformation in iron-nickel-carbon alloys 9—91881
Gallardo, J., Mattis, D. Green's theorem calculation of energy of exciton near hard walls 9—78014
Gallardo, L., Schott, R. Random walk on homogeneous spaces of certain rigid type groups 9—75320
Gallardo, M., Duchowicz, R., Tocho, J.O., Sandoval, H.F.R., Garavaglia, M. A Xenon ion pumped open dye stream laser 9—81448
Gallardo, M. *see* Ranea Sandoval, H.F. 9—76671
Gallas, J.A.C., Francke, R.E., Grieneisen, H.P., Chakraborty, B.P. The influence of vibration-rotation interaction on band intensity parameters for ZrO and CuH 9—49999
Gallas, J.A.C. *see* Chakraborty, B.P. 9—68289
Gallavotti, G. *see* Albeverio, S. 9—63361
Gallego, L.J., Perez Villar, V. Kelvin's principle and the existence of a local integrating factor for the heat differential form 9—88897
Gallenberger, H., Grabenstatter, K., Olles, T., Korn, K. Karlsruhe Nuclear Research Centre supplied with nuclear heat 9—87943
Gallentine, D.O. *see* Schuchardt, J.M. 9—80061
Galler, B.A. *see* Piszczalski, M. 9—96574
Galletta, G. *see* Bertola, F. 9—101194
Galletti, P.M. *see* Richardson, P.D. 9—79588
Galli, E. *see* Majni, G. 9—99442
Galli, G. *see* Washburn, H.A. 9—78477
Galliara, J., Williams, M.M.R. A finite element method for neutron transport. II. Some practical considerations 9—76046
Galligan, J.M. *see* Tregilgas, J.H. 9—91197
Gallily, I. *see* Michaeli, G. 9—87570
Gallily, I. *see* Weiss, M.A. 9—50777
Gallinar, J.-P. Absorption in a spin-Peierls dimerised Hubbard chain 9—60677
Gallinar, J.-P. Excitonic effects on the absorption in an extended antiferromagnetic hubbard chain 9—61323
Gallinar, J.-P. Moment-method in a hard-sphere problem on a lattice, and physical applications. I. Uniform chain 9—97311
Gallini, R.E. *see* Belletti, S. 9—100674
Gallino, R., Masani, A. The final phases of stellar evolution and the supernova phenomenon 9—88646
Gallio, M. *see* Aslanides, E. 9—85481
Gallio, M. *see* Bos, K. 9—85531
Gallios, G. *see* Levine, S.S. 9—86272
Gallivan, J. *see* Becker, H. 9—54363, 9—63533
Gallivan, J. *see* Blanar, G. 9—76285
Gallmann, A. *see* Fintz, P. 9—67711
Gallmann, A. *see* Guillaume, G. 9—67627
Gallmann, A. *see* Kolata, J.J. 9—67808
Gallo, A.R. *see* Harris, C.B. 9—86997
Gallon, T.E. *see* Bayat-Mokhtari, P. 9—65963
Gallone, F., Sparzani, A. Segal quantization of dynamical systems 9—88826
Galloni, R. *see* Finetti, M. 9—78095
Galloway, D.C. *see* Raeside, D.E. 9—92389
Galloway, G.D. *see* Crowther, R.L. 9—81001

Galloway, J.N. Alteration of trace metal geochemical cycles due to the marine discharge of wastewater 9—83643
Galloway, T.R. *see* Bender, D.J. 9—76124
Gallstedt, M.G. *see* Bark, F.H. 9—50733
Gallusser, R. *see* Dressler, K. 9—59431
Galluzzo, N.G. *see* Felten, L.D. 9—93703
Galluzzo, N.G. *see* Vitti, J.A. 9—59121, 9—59155
Galochkin, V.T., Konyashchenko, A.V., Kosinov, V.N., Oraevskii, A.N., Starodubtsev, N.F. Singularities of absorption of intense IR radiation by molecules 9—76432
Galochkin, V.T. *see* Borisov, A.A. 9—61858
Galochkin, V.T. *see* Vasil'ev, B.I. 9—89721
Galonsky, A. *see* Djaloeis, A. 9—89319
Galontsev, V.L. *see* Buevich, Yu.A. 9—72939
Galoyan, V.R. Investigation of the torsional movements of human eyes. IV. Passive movement of the body, influence of reflexes of skeletal musculature, optokinetic torsional tracking 9—53087
Gal'per, A.M., Grachev, V.M., Dmitrenko, V.V., Kirillov-Ugryumov, V.G., Kurochkin, A.V., Leikov, I.G., Luchkov, B.I., Ulin, S.E., Shermanzon, E.M., Yurkin, Y.T. Observation of quasi-periodic pulsations of the electron-proton component of cosmic rays in the stratosphere 9—80133
Gal'per, A.M., Luchkov, B.I. On the gamma-ray energy spectrum of the Seyfert galaxy NGC 4151 9—88748
Gal'per, A.M. *see* Bondarenko, V.G. 9—84676
Gal'per, A.M. *see* Voronov, S.A. 9—76267
Galperin, A. *see* Radkowsky, A. 9—76075
Gal'perin, M.D. *see* Alekseev, E.N. 9—80163, 9—80164
Gal'perin, M.Ya. Metal strength characteristics at two stages of fatigue failure and different test bases 9—52373
Gal'pershtein, L.Ya. *see* Galkin, E.B. 9—89030
Galskoy, A., Wang, K.K. Measuring melt temperatures: thermocouples or pyrometers? 9—58694
Galstyan, G.T., Lomova, L.G. The electrooptic properties of triglycine sulphate single crystals doped with α-alanine (ATGS) 9—78654
Galtier, M. *see* Benoit, C. 9—51557
Galtier, M. *see* Bernier, P. 9—82859
Galtier, M. *see* Montaner, A. 9—73892
Galtsev, A.P., Tsukanov, V.V. Calculation of the shape of infrared absorption bands of gases by statistical modeling methods 9—50087
Galtsov, D.V. *see* Sokolov, A.A. 9—50199
Galunsky, B.P., Kanazirev, V.I., Voivodov, K.I., Dyankov, S.S. A new method for determining amino and isothiocyanate groups on the surface of inorganic supports for immobilized enzymes 9—61920
Galushka, A.P., Davidyuk, G.E., Manzhara, V.S. Self-healing of radiation damage in CdS single crystals at high doses of fast reactor neutrons 9—73221
Galushkin, A.N. *see* Polyakova, I.B. 9—92323
Galushkin, M.G. *see* Bel'dyugin, I.M. 9—86196
Galushkin, S.S. *see* Krichevskii, E.S. 9—75537
Galuzo, L.P. *see* Slutskovskii, A.I. 9—74984, 9—74985
Galvain, D. *see* Barbier, Y. 9—96652
Galvan, J. Biomedical engineering home [Spain] and abroad: profession, education, research and industry 9—83964
Galvan, J., Sol, J. Telephone transmission of four biological signals 9—62399
Gal'vao, R.M.O., Sakanaka, P.Kh. The resistive internal helical mode near the instability threshold 9—98948
Galves, J.-P. *see* Fouassier, C. 9—95719
Galy, J., Lindqvist, O. The crystal structure of $Te_3Nb_2O_{11}$ 9—55715
Galy, J. *see* Bovin, J.-O. 9—55717
Galyant, V.I., Primenko, V.I. Effect of metal oxides on temperatures changes in the elastic modulus of silicate glasses 9—61637
Gama, M.M.Telo da *see* Telo da Gama, M.M.
Gamal, Y.E.E.D. Some problems of the interaction of laser radiation with matter 9—86555
Gamari-Seale, H., Anagnostopoulos, T. Magnetic characteristics of rare-earth indium R_2In (R=Y, Nd, Sm, Gd, Tb, Dy, Ho, Er, and Tm) intermetallic compounds 9—56512
Gamari-Seale, H., Yakinthos, J.K. The magnetic properties of R_3Pt_4 intermetallic compounds 9—78343
Gamarts, E.M., Zadokhin, B.S., Starukhin, A.N. Structural phase transition in mixed GaS-GaSe crystals 9—99888
Gamazkov, S.M., Kondrashova, T.G., Kim-Serebryakov, Yu.V. Determining the hardness of cold-rolling rolls 9—87713
Gamba, D. *see* Angelini, C. 9—67548
Gamba, D. *see* Armenise, N. 9—67533
Gambardella, G. The Mellin transforms and constant-Q spectral analysis 9—98551
Gambhir, Y.K., Basavaraju, G. Effective operators and the truncation of shell model configuration space 9—80885
Gambhir, Y.K., Haq, S., Suri, J.K. Generalized approximation to seniority shell model 9—89253
Gambi, A. *see* Giorgianni, S. 9—72309
Gambi Fernandez, J.M. *see* Martinez Salas, J. 9—80429
Gambier, G. Prompt-neutron lifetime measurement on MARIUS III critical facility 9—67841
Gambino, M. *see* Eslami, H. 9—66336, 9—83175
Gambino, R.J. *see* DeLuca, J.C. 9—78471
Gamble, B.R., Parrott, L.J. Creep of concrete in compression during drying and wetting 9—52319
Gamble, R.C., Schimmel, P.R. Nanosecond relaxation processes of phospholipid bilayers in the transition zone 9—92169
Gamble, T.D., Goubau, W.M., Clarke, J. Magnetotellurics with a remote magnetic reference 9—88245
Gamble, T.D. *see* Goubau, W.M. 9—53530
Gambling, W.A., Matsumara, H., Ragdale, C.M. Zero total dispersion in graded-index single-mode fibres 9—76830
Gamburzev, S. *see* Musilova, M. 9—52926
Gamet, R. *see* Bussey, P.J. 9—75778, 9—80829
Gammage, R.B. *see* Griffith, R.V. 9—63818
Gammel, G. *see* Adler, R.J. 9—71990
Gammel, G. *see* Mobley, R.M. 9—68070
Gammel, G.M., Maschke, A.W., Mobley, R.M. Bunched beam neutralization 9—72132
Gammel, J., Zmora, I., Turchetti, G. A modified Bethe-Salpeter equation from the matrix Pade approximants 9—93286
Gammelsrod, T. *see* Buckley, J.R. 9—92547
Gammon, P.H. *see* Gagnon, R.E. 9—65816
Gammon, R.B. *see* Sabine, T.M. 9—62098
Gammon, R.W. *see* Durvasula, L.N. 9—91454
Gammon, R.W. *see* Moldover, M.R. 9—58667
Gamo, H. A general formulation of Faraday's law of induction 9—64144
Gamo, K., Katano, F., Yuba, Y., Murakami, K., Namba, S. Laser-annealing of Te ion implanted GaAs 9—73192
Gamo, K. *see* Murakami, K. 9—60393, 9—69122
Gamo, K. *see* Yuba, Y. 9—99987
Gamosov, L.V. *see* Galaev, A.A. 9—95249
Gamp, A., Harney, H.L., Roynette, J.C., Plagnol, E., Fuchs, H., Doubre, H., Jacmart, J.C., Poffe, N. Out-of-plane correlations of α-particles and heavy ions in the reaction of 373 MeV ^{32}S with gold 9—76021
Gampert, B. Heat transfer with small accommodation coefficients 9—86437
Gampert, B. Inlet flow with slip 9—94659
Gampert, B., Abdelhafez, T. A Navier-Stokes solution for the flow distribution on a continuously moving flat plate 9—86417
Gampp, W., Genz, H. Photonic decays involving the $2^{++}(6b)$: partial widths and jets from tensor meson dominance 9—75754
Gan, M.A., Ustinov, S.I., Kotov, V.V., Sergeev, P.A., Tsvikevich, I.N. Computer analysis of interferograms and the determination of the point spread function and optical transfer function during the testing and finishing of optical systems 9—76616
Gan Zi-Zhao, Yang Guo-Zheng, Feng Ke-An, Huang Xi-Yi Theory of multi-photon photodissociation of polyatomic molecules in an intense infrared laser field 9—50094
Gan-sheng Chen *see* Chen Gan-sheng
Ganachaud, J.P., Cailler, M. A Monte-Carlo calculation of the secondary electron emission of normal metals. I. The model 9—69932
Ganachaud, J.P., Cailler, M. A Monte-Carlo calculation of the secondary electron emission of normal metals. II. Results for aluminium 9—69933
Ganachaud, J.P., Cailler, M., Aberdam, D., Blanc, E., Gaubert, C. New theoretical results about the anisotropy of the secondary emission of Al(001) and Al(110) 9—99996
Ganachaud, J.P. *see* Bourdin, J.P. 9—69441
Ganage, R.A. *see* Rao, U.R. 9—84638
Ganapathy, E.V. *see* Wallace, W.E. 9—78364
Ganapol, B.D. *see* Murphy, D.J., Jr. 9—93756
Ganas, P.S. Optical oscillator strengths for N III 9—98031
Ganas, P.S. Optical oscillator strengths for N II 9—98032
Ganas, P.S. Optical oscillator strengths for O IV 9—98043
Ganas, P.S. Optical oscillator strengths for Be II and B III 9—98044
Ganas, P.S., Green, A.E.S. Electron-impact excitation of beryllium isoelectronic sequence 9—81286
Ganbarov, D.M. *see* Ragimov, N.G. 9—100067
Gance, A.E.De *see* De Gance, A.E.
Gancedo, J.R., Martinez, M.L., Oton, J.M. Low cost Mossbauer spectroscopy drive system with μA 747 ICs 9—89049
Ganchev, B. *see* Mikhailov, M. 9—66291
Gancheva, V. *see* Toneva, A. 9—69107
Ganczarczyk, J.J. Second-stage activated sludge treatment of coke-plant effluents 9—92102
Gand, M., Bouchoule, A., Stevefelt, J. Kinetics of vacuum-ultraviolet continuum from a high pressure He fast discharge 9—94827
Gandel'man, G.M. *see* Agranat, M.B. 9—95879
Gandhi, C., Ashby, M.F. On fracture mechanisms of iridium and criteria for cleavage 9—74253
Gandhi, C., Ashby, M.F. Fracture-mechanism maps for materials which cleave: FCC, BCC and HCP metals and ceramics 9—91774
Gandhi, C. *see* Ashby, M.F. 9—61693
Gandhi, O.P. *see* Barber, P.W. 9—70580
Gandhi, O.P. *see* Meyerhoff, J.L. 9—53188
Gandhi, O.P. *see* Peterson, D.J. 9—70581
Gandhi, O.P. *see* Riazi, A. 9—54177
Gandhidasan, P., Sriramulu, V., Gupta, M.C. Analysis of a solar regenerator 9—57464
Gandhidasan, P., Sriramulu, V., Gupta, M.C. Transient response of a solar regenerator 9—62025
Gandhidasan, P., Sriramulu, V., Gupta, M.C. Buoyancy effects in a solar regenerator 9—68709
Gandikota V. Rao *see* Raymond, W.H. 9—55394
Gandini, A., Oliva, G., Tondinelli, L. Correlation between irradiation experiments and nuclear data for actinide production assessment 9—85712
Gandois, B. *see* Badier, J. 9—93460
Gane, C.R., Stephenson, P.L. An explicit numerical method for solving transient combined heat conduction and convection problems 9—81869
Ganefel'd, R.V. *see* Bystryi, A.I. 9—64866
Ganefeld, R.W., Lavrova, T.D. Effect of the magnetic field on the slightly ionized plasma turbulent flow with the electric current 9—60115
Ganendra, T.S. *see* Unsworth, M.H. 9—84458
Ganesan, H.R. Radiation and cloudiness over India 9—58073
Ganesan, N., Dhotarad, M.S. Higher modes of transmission lines with dampers 9—81773
Ganesan, N. *see* Muthuveerappan, G. 9—81782
Ganesan, V. Bluff body configuration and its effect on flame stabilization 9—94719
Ganesh, K.S. *see* Bappu, M.K.V. 9—53825
Ganev, G. A device for averaging fluctuating analogue quantities 9—68170
Ganev, G.S. *see* Karadzov, A.G. 9—85877
Ganfors, P.R. *see* Gates, J.V. 9—56024
Gangadharan, P. *see* Ramanathan, G. 9—93839
Gangadharan, R., Namboodiri, P.N.N., Prasad, K.V., Viswanathan, R. The lithium-thionyl chloride battery—a review 9—100505
Gangal, A.D., Vengurleka, A.S. Improved unitarity bound on the slope parameter 9—49537
Gangardt, M.G. *see* Aksenov, S.I. 9—53033
Gangardt, V.A., Sapozhnikov, V.K., Semenov, V.I. Dispersion of the photoelastic constants of a KRS-6 single crystal 9—65136
Ganger, B. New knowledge on the physics of gas breakdown in a homogeneous field 9—82108
Gangi, A.F. Variation of whole and fractured porous rock permeability with confining pressure 9—53342
Gangler, J.J. High-temperature materials for space power systems 9—57045
Gangli, P. Quantitative analysis of cross-slip and twinning in FCC polycrystalline metals 9—90677
Gangli, P., Leffers, T. Texture control: theoretical and practical study 9—87656
Gangli, P. *see* Prokhaska, Ya. 9—68542
Ganguh, S. *see* Bose, M. 9—82893
Gangulee, A., Aboaf, J.A., Kobliska, R.J. Annealing behavior of amorphous ferromagnetic Co-Fe-B and Fe-B thin films 9—73782
Gangulee, A., d'Heurle, F.M., Ranieri, V.A., Fiorio, R.A. Effects of oxygen ion implantation on the structure and properties of aluminium thin films 9—77936
Gangulee, A., Kobliska, R.J. Magnetocrystalline anisotropy in mixed garnet thin films 9—78450
Gangulee, A. *see* Chaudhari, P. 9—80603
Ganguli, S. *see* Bose, M. 9—61241
Ganguli, S. *see* Tibarewala, D.N. 9—70725
Ganguly, A. *see* Jain, R.K. 9—58525
Ganguly, P. *see* Madhusudan, W.H. 9—56885
Ganguly, R. *see* Mohan, D. 9—62140
Ganguly, S., Mathews, J.D., Tepley, C.A. Thomson scatter radar detection of D-region negative ions at Arecibo 9—62665
Ganic, E.N., Rohsenow, W.M. On the mechanism of liquid drop deposition in two-phase dispersed flow 9—81959
Ganich, P.P. *see* Aleksandrov, B.M. 9—63709
Ganichev, A.I., Miseev, V.A. Forced oscillations in a stream of cryogenic liquid in a straight tube with heat supply 9—97393
Ganichev, D.A., Mokrov, A.B. Microwave-induced emission of hot electrons 9—69964
Ganiev, F.I. Method of calculating the longitudinal, lateral, and crossed aerodynamic derivatives of an aircraft at subsonic velocities 9—81915
Ganiev, F.S. *see* Atakhodzhaev, A.K. 9—65888
Ganiev, R.F., Kholopova, V.V. On connectedness between movements of solids and liquid in different planes 9—50623
Ganiev, R.F., Kulik, V.V., Lakiza, V.D. Behaviour of multiphase media in the presence of determinate and random influences in a weak gravitational force field 9—77226
Ganina, N.A. *see* Vargin, A.N. 9—86046
Ganjei, J.D., Morrison, G.H. Quantitative ion probe analysis of glasses by empirical calibration methods 9—74439

Gann, R.C., Chakravarty, S., Chester, G.V. Monte Carlo simulation of the classical two-dimensional one-component plasma 9—94814
Gann, V.V. *see* Bar'yakhtar, V.G. 9—95584
Ganna, A.Kh. *see* Godyak, V.A. 9—99007
Gannaway, J.N. *see* Wilson, T. 9—51112
Ganne, H.P., von Stebut, J. Measurement of the intrinsic thermal expansion of irradiation defects in aluminum at low temperature 9—95186
Ganne, J.P. The thermal expansion of dilute Cu-Al alloys 9—95185
Ganne, M., Dion, M., Verbaere, A., Tournoux, M. A new structural family $M_2''M'Ta_5O_{15}$. Crystal structure of $Ca_2TlTa_5O_{15}$ 9—86749
Ganne, M., Marchand, R., Tournoux, M. Structure of thallium tantalate $Tl_{4.62}Ta_{11.08}O_{30}$ 9—69092
Gannon, J.C., Gray, E.R., Klen, J., Mills, F.E., Moore, C.D., Rhoades, T., Snowdon, S., Young, D.E. Injection, magnet, and vacuum systems for the Fermilab antiproton cooling ring 9—72139
Gannon, J.C. *see* Cline, D.B. 9—68004
Gannon, K.O., Simkin, D.J., Jacobs, P.W.M., Stillman, M.J. The magnetic circular dichroism of KBr:In^+ 9—82957
Ganot, G., Palti, Y., Staempfli, R. Cole-Moore effect in the frog node 9—92170
Ganoulis, J. *see* Latinopoulos, P. 9—92249
Ganpantserova, O.F. *see* Ksanfomaliti, L.V. 9—66950
Gans, R.F. On the flow around a buoyant cylinder within a rapidly rotating horizontal cylindrical container 9—86441
Gan'shina, E.A. *see* Krinchik, G.S. 9—82953
Gantmakher, V.F., Levinson, Y.B. Dissipative conductivity determined by carrier-carrier collisions 9—60780
Gantmakher, V.F., Zverev, V.N., Meshkov, S.V. Investigation of magnetoimpurity oscillations in germanium 9—82626
Gantmakher, V.F. *see* Arutyunyan, M.H. 9—95311
Gantmakher, V.F. *see* Leviev, G.I. 9—73815
Gantois, M. *see* Berneron, R. 9—79164
Gantois, M. *see* Casadesus, P. 9—73413
Gantois, M. *see* Glock, G. 9—67894
Gantsevich, S.V., Gurevich, V.L., Katilius, R. Theory of fluctuations in nonequilibrium electron gas 9—54043
Gantt, R., Sanford, K.K., Jones, G.M., Parshad, R., Ewig, R.A.G., Tarone, R.E., Kohn, K.W. Fluorescent light-induced DNA crosslinkage and chromatid breaks in mouse cells in culture 9—96615
Ganu, G.M. *see* Joshi, K.M. 9—74392
Ganz, E. Whiteness formulas: a selection 9—58768
Ganz, E. Whiteness perception: individual differences and common trends 9—100612
Ganz, E. *see* Anders, G. 9—58767
Ganz, P., Ganz, S. Monte-Carlo-simulation of the fluorescence decay of anthracene single crystals 9—61440
Ganz, S. *see* Ganz, P. 9—61440
Ganz, W. *see* Schaefer, S. 9—100755
Ganzer, U. Wind tunnels with adapted walls for reducing wall interference 9—77320
Ganzhenko, A.S., Gerasimenko, A.N. On systems of seismic images formation based on using the idea of two-point eikonol 9—96740
Ganzhula, N.N., Koval', Yu.N., Kokorin, V.V. Tetragonality of the crystal lattice of martensite and characteristics of the $\gamma \rightleftharpoons \alpha$ transformations in decomposed substitutional solid solutions 9—61587
Gao Cai-sheng *see* Xing Ti-liang 9—80638
Gao Chong-shou Bethe-Salpeter equation for straton and antistraton with different masses and SU(4) mass relations for mesons 9—58934
Gao Chung-shou Some conjectures on the mass formula of charged leptons 9—93416
Gao Hua *see* Wang Keren 9—77025
Gao Jian-min A theoretical analysis on large sized tube milling by planetary skew rolling 9—74180
Gao Mei-juan *see* Chen Jin-quan 9—93313
Gao Yu-chen Stability of thin circular cylindrical shells subjected to torsion 9—72833
Gao Ze-Ming *see* Lin Bang-Shui 9—88252
Gao Zhan-peng The equation of state of solid matter behind wave front 9—82308
Gao Zhi-wei *see* Chen Chang 9—90708
Gaodu, A.N., Pitak, N.V., Vol'fson, R.E., Drizheruk, M.E. Crystallization in heated aluminosilicate fibers 9—52258
Gapeka, T.M. *see* Bogachev, I.N. 9—70153
Gapeka, T.M. *see* Mikheev, M.N. 9—83197
Gapienko, G.S. *see* Berge, J.P. 9—71741
Gapienko, G.S. *see* Efremenko, V.I. 9—75763
Gapienko, V. *see* Ammosov, V. 9—71737
Gapienko, V.A. *see* Berge, J.P. 9—71741
Gapienko, V.A. *see* Efremenko, V.I. 9—75763
Gaponov, S.A. Interaction between a supersonic boundary layer and acoustic disturbances 9—68740
Gaponov, V.A. *see* Averbakh, V.S. 9—72628
Gaposchkin, E.M. Estimation of 550-km×550-km mean gravity anomalies and mean geoid heights 9—88233
Gapotchenko, A.G. *see* Vinokurova, L.I. 9—77987, 9—90947
Gapotchenko, A.G. *see* Vol'skii, E.P. 9—77988
Gaprindashvili, A.I. *see* Kortov, V.S. 9—91571
Gaprindashvili, G.G. *see* Kutateladze, K.S. 9—60281
Garaev, R.A. *see* Vlasov, D.V. 9—86224
Garamoon, A.A. *see* Ismail, J.A. 9—77441
Garanderie, H.Payen de la *see* Payen de la Garanderie, H.
Garanin, V.K. *see* Belokoneva, E.L. 9—86769
Garashina, L.S. *see* Karpov, I.I. 9—95924
Garashina, L.S. *see* Sobolev, B.P. 9—61570
Garat, A. *see* Bezin, S. 9—74550
Garavaglia, M. *see* Gallardo, M. 9—81448
Garavaglia, M. *see* Ranea Sandoval, H.F. 9—76671
Garay, O. *see* Balzano, Q. 9—62297
Garb, Kh.L., Meyerova, R.S., Fikhmanas, R.F. Consideration of wall thickness in problems of diffraction of electromagnetic waves at small openings 9—68355
Garba, J.A. *see* Chen, J.C. 9—80196
Garbacz, R.J. *see* Demarest, K.R. 9—89829
Garbaczewski, P. The quantum pendulum as spin 1/2 9—58578
Garbaczewski, P. NonGrassmann quantization of the Dirac system 9—97496
Garban, C. *see* Amiranoff, F. 9—90432
Garbar, I.I., Skorinin, J.V. Metal surface layer structure formation under sliding friction 9—52393
Garbarino, J.R., Taylor, H.E. An inductive-coupled plasma atomic-emission spectrometric method for routine water quality testing 9—83520
Garbato, L., Rucci, A. Thermal conductivity and ionicity in chalcopyrite semiconductors 9—77846
Garbay, C. *see* Adelh, D. 9—88223
Garbay, F. *see* Weisbuch, G. 9—58469
Garber, W.D., Reeh, H. On the structure of symmetry generators 9—71587
Garber, W.-D., Ruijsenaars, S.N.M., Seiler, E., Burns, D. On finite action solutions of the nonlinear σ-model 9—80739
Garbett, R. Conductance function enhances DMMs 9—93167
Garbi, M. *see* Bianchi, A. 9—86215
Garbincius, P.H. *see* Cutts, D. 9—85346
Garbovitskaya, T.G., Geguzin, Ya.E., Paritskaya, L.N. Interdiffusion in thin-film specimens of the 'butt' type with an overlap (the system Ag-Au) 9—82502
Garbovitskaya, T.G., Paritskaya, L.N. Nucleation and growth of oxidation zones on a metal surface acting as a sink for vacancies and dislocations 9—52431
Garbutt, D.A. *see* Brandelik, R. 9—63491, 9—93441
Garbutt, D.A. *see* Karami, H. 9—75789
Garbutt, D.A. *see* Read, A.L. 9—49510
Garbuz, N.N. *see* Bystrov, P.I. 9—81683
Garbuzov, D.Z. *see* Alferov, Zh.I. 9—70451
Garbuzov, D.Z. *see* Khalfin, V.B. 9—73574
Garchev, A.P. *see* Goncharov, I.G. 9—94238
Garcia, A., Clyne, T.W., Prates, M. Mathematical model for the unidirectional solidification of metals. II. Massive molds 9—56971
Garcia, A.Delgado *see* Delgado Garcia, A.
Garcia, B.J., Cobbold, R.S.C., Foster, F.S., McNeill, K.G. Ultrasonic attenuation in bone 9—57701
Garcia, D.H. *see* Dowling, J.A. 9—53521
Garcia, D.V.G., Ramirez, A.A., Ceba, M.R. A new graphic method for differentiating mononuclear and polynuclear complexes and for determining their stability constants 9—87927
Garcia, E.A. *see* David, D. 9—86929
Garcia, G.R. *see* Cisneros, C. 9—59563
Garcia, H.R., Brooks, L.D. Characterization techniques for deformable metal mirrors 9—59798
Garcia, J.D. *see* Fortner, R.J. 9—83062
Garcia, J.L., Garcia, M.A., Perez, J.M. Plasma production using microwave radiation of known polarisation 9—98926
Garcia, J.Ovejero *see* Ovejero Garcia, J.
Garcia, M. *see* Montilla, J. 9—85117
Garcia, M.A. *see* Garcia, J.L. 9—98926
Garcia, M.O. Petrology of the Rogue and Galice formations, Klamath Mountains, Oregon: identification of a Jurassic island arc sequence 9—100836
Garcia, M.O., Liu, N.W.K., Muenow, D.W. Volatiles in submarine volcanic rocks from the Mariana Island arc and trough 9—92535
Garcia, N., Celli, V., Goodman, F.O. Theory of selective absorption for He-LiF: azimuthal and polar dependent intensities 9—60624
Garcia, N., Celli, V., Nieto-vesperinas, M. Exact multiple scattering of waves from random rough surfaces 9—98281
Garcia, N., Goodman, F.O., Celli, V., Hill, N.R. Theory of elastic scattering of atoms by a hard corrugated surface with an attractive potential 9—69944
Garcia, N. *see* Celli, V. 9—100012
Garcia, N. *see* Goodman, F.O. 9—95263
Garcia, N. *see* Goodmann, F.O. 9—91555
Garcia, R., Rossi, A.R., Russek, A. Dissociating states of the H_3^- system 9—81160
Garcia Bermudez, G. *see* Kreiner, A.J. 9—54375
Garcia-Bach, M.A. *see* Klein, D.J. 9—60670
Garcia-Colin, L.S. On the microscopic derivation of mode-mode coupling equations 9—54073
Garcia-Colin, L.S., Del Rio, J.L. Dynamics of coarse grained variables. I. Exact results 9—80500
Garcia-Golding, F. *see* Litster, J.D. 9—95129
Garcia-Moliner, F. *see* Garrido, L.M. 9—69444
Garcia-Moliner, F. *see* Velasco, V.R. 9—69338, 9—90171
Garcia-Munoz, M., Simpson, J.A., Wefel, J.P. The isotopes of neon in the galactic cosmic rays 9—101036
Garcia-Sucre, M. Reference frames and the velocity of light 9—58542
Garcia-Torano, E. *see* Acena, M.L. 9—63859
Garcon, M. *see* Alkhazov, G.D. 9—75883
Garcon, M. *see* Bauer, T.S. 9—54394
Gardavska, G. *see* Cermak, J. 9—51310
Gardavska, G. *see* Kufudakis, A. 9—51427
Gardes, B., Brun, G., Raymond, A., Tedenac, J.C. Three phases of ternary Cu-Tl-S 9—96011
Gardes, B. *see* Brun, G. 9—86758
Gardes, D. *see* Bimbot, R. 9—61927
Gardi, J., Merzenich, M. The effect of high-pass noise on the scalp-recorded frequency following response (FFR) in humans and cats 9—83796
Gardilyan, R.S. *see* Durgaryan, A.A. 9—69197
Gardiner, C.W. A stochastic basis for isothermal equilibrium and nonequilibrium chemical thermodynamics 9—83496
Gardiner, D.J., Jackson, R.W., Straughan, B.P. A Raman spectroscopic study of the thallium(I) nitrate-water system 9—78673
Gardiner, D.J., Lees, A.J., Straughan, B.P. A study of intermolecular hydrogen bonding in formamide by vibrational spectroscopy 9—50018
Gardiner, W.C., Jr. Derivation of elementary reaction rate constants by means of computer modeling 9—74343
Garding, L., Norden, B. Simple formulas for rotation averages of spectroscopic intensities 9—89658
Gardiol, F.E. *see* Decotignie, J.D. 9—90001
Gardner, C.E. *see* Heidner, R.F., III 9—68258
Gardner, C.S., Radin, C. The infinite-volume ground state of the Lennard-Jones potential 9—88888
Gardner, D. *see* Bleser, E. 9—68089
Gardner, D. *see* McInturff, A.D. 9—68088
Gardner, F.F., Batchelor, R.A., McCulloch, M.G., Simons, L.W., Whiteoak, J.B. Initial observations with the 4-metre millimetre-wave telescope at Epping 9—53719
Gardner, F.F., Whiteoak, J.B. The $^{12}C/^{13}C$ abundance ratio derived from H_2CO observations of southern sources 9—84838
Gardner, F.F. *see* Whiteoak, J.B. 9—53898, 9—84855
Gardner, J.A., Cutler, M. Experimental magnetic-susceptibility study of the electronic properties of liquid Se-Te alloys 9—95567
Gardner, J.W., Anderson, A.C. Low-temperature thermal conductivity of a reticulated glassy carbon 9—86938
Gardner, J.W. *see* Brissenden, S. 9—51193
Gardner, K. *see* Corney, A. 9—50350
Gardner, K.H. *see* Blackwell, J. 9—64131
Gardner, L. Cryogen delivery systems 9—80625
Gardner, M.R. Realism and instrumentalism in 19th-century atomism 9—97172
Gardner, R.B., Wilson, J.P. Evidence for direction-specific channels in the processing of frequency modulation 9—96573
Gardner, R.K., Gray, T.J. Cross sections for K-shell ionization, X-ray production, or Auger-electron production by ion impact 9—54947
Gardner, R.K., Gray, T.J., Richard, P., Schmiedekamp, C., Jamison, K.A., Hall, J.M. Cu K X-ray production as a function of projectile atomic number, energy, and incident charge state 9—78794
Gardner, R.L. *see* Wait, J.R. 9—74318
Gardner, W. *see* Eubank, H. 9—82074
Gardner, W.E. Image processing 9—79195
Gardner, W.L. *see* Menon, M.M. 9—76238
Gardner, W.L. *see* Stirling, W.L. 9—68117, 9—97920
Gardner, W.R. *see* Yule, D.F. 9—53382
Garel, K.C., Brown, R.E., Matzie, R.A., Shapiro, N.L., Sider, F.M. A comparative assessment of the PWR, SSCR and PHWR reactor concepts 9—89387
Garelick, D.A. *see* Blanar, G.J. 9—93473
Garem, H. *see* Rabier, J. 9—90658
Garem, H. *see* Veyssiere, P. 9—90660
Garen, W., Synofzik, R., Wortberg, G., Frohn, A. Experimental investigation of the structure of weak shock waves in noble gases 9—94679
Garen, W. *see* Synofzik, R. 9—98761
Garetovskaya, I.V. *see* Egorkina, G.V. 9—74874
Garevskikh, A.S. Possibilities of increasing the quality of graphite strength testing 9—52581
Garevskikh, A.S., Rublev, Ya.A. The use of phase defect inspection for determining the moment of origin of fatigue cracks 9—52578
Gareyte, J. *see* Bossart, R. 9—72143
Gareyte, J. *see* Boussard, D. 9—72094, 9—76193
Gareyte, J. *see* Faugeras, P. 9—76196

Garf, L.M. *see* Satarov, V.V. 9—75546
Garfagnini, R. *see* Balestra, F. 9—76041, 9—85427, 9—85495, 9—85513, 9—85517
Garfagnini, R. *see* Falomkin, I.V. 9—85376
Garfield, T.S. *see* Casperson, L.E. 9—81533
Garfinkel, A.F. *see* Barish, S.J. 9—71742
Garfinkel, A.F. *see* Berger, C. 9—49519
Garg, A., Srivastava, R.C. Ammonium tetrafluoroberyllate(II) 9—69072
Garg, A.N. An indigenous cryostat and proportional counter for Mossbauer experimentation 9—54238
Garg, D.P. Policy implications of solar technology in the [United States] National Energy Plan 9—57392
Garg, H.P., Gupta, C.L. Flate plate collector—experimental studies and design data for India 9—62087
Garg, H.P., Mann, H.S., Thanvi, K.P. Development and testing of an improved built-in storage solar water heater 9—57454
Garg, H.P., Mathur, M.L., Verma, V.K. Design, construction and performance of Fresnel lens for solar energy collection 9—62121
Garg, H.P., Thanvi, K.P., Pande, P.C. Solar water heater-cum-steam cooker 9—66402
Garg, J.B. *see* Bokharee, S. 9—59063
Garg, J.C. *see* Jain, D.K. 9—51688, 9—91041
Garg, K.C., Khurana, C.S. Isomeric cross-section ratios of some (n,2n) reactions at 14.7 MeV 9—97701
Garg, M.R. *see* Chandna, O.P. 9—50809
Garg, O.P. *see* Majumdar, N.C. 9—100941
Garg, S.K., Davidson, D.W., Gough, S.R., Ripmeester, J.A. The conformation and reorientation of enclathrated 1,2-dichloroethane 9—91300
Garg, S.K. *see* Pritchett, J.W. 9—74921
Garg, S.P., Ackerman, R.J. Zr-Re phase diagram between 1866 to 1913K 9—100115
Gargallo, L., Abuin, E.B., Lissi, E.A. Effect of the solvent in the photophysical process in polystyrene 9—57267
Gari, M. Theory of parity violation in reactions with neutrons 9—59048
Gari, M. Theories of meson-exchange currents 9—71798
Gari, M. *see* Porrmann, M. 9—80787
Garibaldi, J.L. *see* Haight, R.C. 9—93859
Garibashvili, V.I., Zoidze, N.A., Nakaidze, Sh.G., Tabadze, F.N. Crystallisation of eutectic Fe-B alioys 9—70087
Garibotto, G. 2-D recursive phase filters for the solution of two-dimensional wave equations 9—86295
Garibyan, V.Kh. *see* Aslanyan, W.M. 9—51941
Garibyan, Yu.A. *see* Avakyan, R.O. 9—59051
Gariepy, E.L. *see* Lees, S. 9—96611
Gariev, A.M., Ivanitskii, G.R., Kuniskii, A.S., Myachin, E.T., Nikolaev, V.L. Reproduction of the volume of biological objects by means of foreshortening roentgenograms 9—57748
Garifo, L., Malvezzi, A.M., Tondello, G. Grazing incidence spectrography—monochromator with a focusing toroidal mirror 9—75617
Garifo, L. *see* Malvezzi, A.M. 9—50889
Garifullin, F.A. Thermal instability of a viscoelastic fluid layer with lift and thermocapillary forces taken into account 9—86434
Garito, A.F. *see* Chiang, C.K. 9—65464
Garito, A.F. *see* Pouget, J.P. 9—69208
Garkusha, L.N. *see* Cholpan, P.F. 9—90732
Garland, C.W. *see* Leung, R.C. 9—77690
Garland, D.L., Glasscock, R.B., Pressesky, A.J. Application of quality assurance to the design, procurement and construction of the Fast Flux Test Facility 9—97786
Garland, J.A., Derwent, R.G. Destruction at the ground and the diurnal cycle of concentration of ozone and other gases 9—79972
Garland, J.A. *see* Galbally, I.E. 9—74939
Garland, J.C. *see* Boysel, R.M. 9—99529
Garland, J.C. *see* Heidel, D.F. 9—56370
Garland, J.C. *see* Sampsell, J.B. 9—65453
Garland, J.C. *see* Van Harlingen, D.J. 9—65595
Garlea, I., Stanica, N., Selariu, M., Miron, C., Fodor, G. Absolute neutron spectrum determination by means of S and II code from absolute measurements of reaction rates in ΣΣ-ITN facility 9—63862
Garman, E.F. *see* Fifield, L.K. 9—67701
Garman, E.F. *see* Roaf, D. 9—89238
Garmany, J. On the inversion of travel times 9—70891
Garmire, E. Fiber and integrated optics: waveguides in the infrared 9—98491
Garmire, E., Allen, S.D., Marburger, J. Bistable optical devices for integrated optics and fiber optics applications 9—55175
Garmire, E., Marburger, J.H., Allen, S.D., Winful, H.G. Transient response of hybrid bistable optical devices 9—59803
Garmire, E. *see* Allen, S.D. 9—64311
Garmire, E. *see* Findakly, T. 9—64332
Garmire, G. *see* Ayres, T.R. 9—101140
Garmire, G. *see* Charles, P.A. 9—67079
Garmire, G. *see* Pravdo, S.H. 9—92889
Garmire, G. *see* Rothschild, R. 9—58248
Garmire, G.P. *see* Cordova, F.A. 9—75227
Garmire, G.P. *see* Tuohy, I.R. 9—58403, 9—62892
Garn, P.D., Habash, T.S. Solid state reactions. A rigorous test of the Hedvall effect 9—96300
Garner, A. The effect of autogenous welding on chloride pitting corrosion in austenitic stainless steels 9—91842
Garner, A., Tromans, D. Direct observation of intergranular corrosion in Al-4 wt.% Cu alloy 9—91835
Garner, C.M., Lindau, I., Su, C.Y., Pianetta, P., Spicer, W.E. Electron-spectroscopic studies of the early stages of the oxidation of Si 9—74272
Garner, C.M., Su, C.Y., Saperstein, W.A., Jew, K.G., Lee, C.S., Pearson, G.L., Spicer, W.E. Effect of GaAs or $Ga_xAl_{1-x}As$ oxide composition on Schottky-barrier behavior 9—87141
Garner, C.M., Su, C.Y., Spicer, W.E., Edwood, P.D., Miller, D., Harris, J.S. Minimum $Al_{0.5}Ga_{0.5}As$-GaAs heterojunction width determined by sputter-Auger techniques 9—69586
Garner, C.M. *see* Dupuis, R.D. 9—56933
Garner, C.M. *see* Spicer, W.E. 9—60637
Garner, D.M. *see* Fleming, D.G. 9—57274
Garner, D.M. *see* Jean, Y.C. 9—57275
Garner, D.M. *see* Mikula, R.J. 9—57272
Garner, F.A., Wolfer, W.G. Microstructural evidence supporting the existence of the SIPA creep mechanism 9—61679
Garner, F.A. *see* Brager, H.R. 9—55792
Garner, P.L., Abramson, P.B., Pizzica, P.A., Portugal, J.L., Young, M.F. Modeling ejection of fresh fuel into sodium under prompt-burst conditions 9—85668
Garner, R.T. *see* Markham, R. 9—49343
Garner, S.F. *see* Gablin, K.A. 9—54574
Garnett, J.L. *see* Bell, J. 9—67422
Garnier, P. *see* Annenkoff, A. 9—99102
Garnir, H.P. Addition to the beam-foil study of S VII in the vacuum ultraviolet 9—81174
Garnir, H.P. *see* Dumont, P.-D. 9—81111
Garnsey, R. Corrosion of PWR steam generators 9—93812
Garnys, V.P., Smythe, L.E. Filament in furnace atomization atomic absorption spectrometry 9—79322
Garoche, P., Veyssie, J.J., Lienard, A., Rebouillat, J.P. Low-temperature specific heat of the 'nearly ferromagnetic' amorphous alloy $Y_{0.22}Ni_{0.78}$ 9—65680
Garolla di Bard, F.Lely *see* Lely Garolla di Bard, F.
Garpman, S.I.A., Glendenning, N.K., Karant, Y.J. Thermodynamic behavior of non-strange baryonic matter 9—75887
Garpman, S.I.A., Sperber, D., Glendenning, N.K., Karant, Y. Volume emission of pions in relativistic heavy-ion collisions 9—93651
Garpman, S.I.A. *see* Sandel, M. 9—93622
Garrar, G.R., Gottlieb, S., Sivers, D., Thomas, G.H. Constituent description of NN elastic scattering observables at large angles 9—89180
Garrard, B.J., Wanklyn, B.M. Flux growth of some fluoride crystals under reducing conditions. IV 9—78861
Garrard, B.J., Yanagisawa, K., Wanklyn, B.M. Viscosity measurements in the system Dy_2O_3-K_2O-MoO_3 9—99346
Garrard, B.J. *see* Hidaka, M. 9—69240, 9—95161
Garratt, J.R., Francey, R.J. Bulk characteristics of heat transfer in the unstable baroclinic atmospheric boundary layer 9—79911
Garratt-Reed, A.J., Taylor, G. Optical and electron microscopy of niobium crystals deformed below room temperature 9—83277
Garrault, C. *see* Hubin, M. 9—87021
Garreau, C. *see* Chartier, J.-M. 9—94247
Garrelick, J.M. The vibrations and radiation noise associated with a constrained spherical shell in response to a turbulent boundary layer excitation 9—90239
Garren, A. *see* Cline, D. 9—72090
Garren, A.A., Molishever, E.L., Peterson, K.M., Sah, R.C. A superconducting proton storage ring for PEP 9—72068
Garrett, B.C., Truhlar, D.G. Criterion of minimum state density in the transition state theory of bimolecular reactions 9—52645
Garrett, B.C., Truhlar, D.G. Accuracy of tunneling corrections to transition state theory for thermal rate constants of atom transfer reactions 9—79237
Garrett, B.C. *see* Gray, J.C. 9—87822
Garrett, C. *see* Pollacco, E.C. 9—63698
Garrett, G.G. On the tensile to shear fracture mode transition in fatigue crack propagation 9—79101
Garrett, H.B., DeForest, S.E. Time-varying photoelectron flux effects on spacecraft potential at geosynchronous orbit 9—80087
Garrett, H.B., DeForest, S.E. An analytical simulation of the geosynchronous plasma environments 9—84594
Garrett, H.B. *see* Forbes, J.M. 9—75002
Garrett, I. Devices for optical fibre communication systems 9—76858
Garrett, J.D. Survey of displacement transducers below 50 mm 9—63200
Garrett, J.D. *see* Fortune, H.T. 9—63684
Garrett, J.D. *see* Hillis, D.L. 9—89320
Garrett, K.W. *see* Melo, F.E.A. 9—73552
Garrett, P.M. Quantifying plant availability, ALARA, and occupational radiation exposure relationships 9—59183
Garrett, P.M. Environmental considerations for power reactor decommissioning 9—67901
Garrett, R. *see* Brock, J.E. 9—71832, 9—85851
Garrett, S., Adams, S., Putterman, S., Rudnick, I. An experiment which measures resonant mode conversion in He II 9—55974
Garrett, S.E. *see* Martin, B.W. 9—72887
Garrett, W.R. Comment on ab initio ground state potential energy surfaces for anions of polar molecules 9—49958
Garrett, W.R. Permanent and induced dipole requirements in ab initio calculations in electron affinities of polar molecules 9—89623
Garrido, J., Tejerina, A.F., Pellicer, J. On the phenomenological equations of electrokinetic processes 9—70330
Garrido, L., San Miguel, M. Dynamical pictures and causality in finite temperature Green's functions 9—63144
Garrido, L.M., Flores, F., Garcia-Moliner, F. Linear response function of a bounded jellium metal in the RPA 9—69444
Garriott, O.K. Visual observations from space [of atmospheric phenomena] 9—96850
Garrison, B.J., Winograd, N., Harrison, D.E., Jr. Ejection of molecular clusters from ion-bombarded surfaces 9—87543
Garrison, B.J., Winograd, N., Harrison, D.E., Jr. Classical trajectory calculations of the energy distribution of ejected atoms from ion bombarded single crystals 9—100011
Garrison, B.J. *see* Holland, S.P. 9—77913
Garrison, B.J. *see* Winogard, N. 9—78810
Garrison, B.J. *see* Winograd, N. 9—100007
Garrison, G.R. *see* Schulkin, M. 9—90060
Garrison, L.M., Doda, D.D., Green, A.E.S. Total ozone determination by spectroradiometry in the middle ultraviolet 9—53401
Garrison, P.W. A simple transient analysis of the THORS bundle 6A boiling test results 9—54548
Garrison, R.F., Schild, R.E. The main sequence of NGC 6231 9—88709
Garrison, R.F. *see* Seaquist, E.R. 9—88661
Garriss, D.S. Analog sampler for measuring Barkhausen noise 9—82821
Garritz, A., Gazquez, J.L., Castro, M., Keller, J. Space partitioning in multiple scattering techniques. I. Hydrogen molecular ion and hydrogen molecule 9—85883
Garrod, C. *see* Erdahl, R.M. 9—88870
Garron, J.P. *see* Tricoire, H. 9—54448
Garroway, A.N. *see* Bertrand, R.D. 9—78537
Garroway, A.N. *see* Resing, H.A. 9—73843
Garry, G.A. *see* Guichar, G.M. 9—91122
Garsevanishvili, L.P. *see* Atenelashvili, M.I. 9—84626
Garsevanishvili, V.R. *see* Abesalashvili, L.N. 9—80856
Garshelis, I.J. Conditions for stress induced bulk moments 9—78493
Garsia, M. *see* Mashev, L. 9—55204
Garside, B.K. *see* Chapman, G.H. 9—78000
Garside, B.K. *see* El-Sherbiny, M. 9—63993
Garside, B.K. *see* Gouin, F. 9—86181
Garside, B.K. *see* Lim, T.K. 9—76853
Garside, B.K. *see* Reid, J. 9—96497
Garside, B.K. *see* Znotins, T.A. 9—89926
Garside, J., Rusli, I.T., Larson, M.A. Origin and size distribution of secondary nuclei 9—94933
Garside, J. *see* Al-Dibouni, M.R. 9—90330
Garska, E.P. *see* Jucys, A.J. 9—69567
Garstang, M. *see* Ulanski, S.L. 9—88455
Garten, H. *see* Onnasch, D. 9—62360
Garten, R.P.H., Groeneveld, K.O., Konig, K.H., Schader, J. Detection limit and sensitivity in PIXE analysis of thick samples 9—52802
Garth, J.C., Woolf, S. Orders-of-scattering solution of the Spencer-Lewis equation 9—85098
Gartia, R.K., Ratnam, V.V. A note on the paper: Thermoluminescence and electron spin resonance after room-temperature X-ray irradiation of NaCl:Mn^{2+} 9—61444
Gartling, D.K. *see* Nickell, R.E. 9—49053
Gartling, D.K. *see* Ratzel, A.C. 9—79409
Gartner, K., Hehl, K. Theoretical description of elastic atom-atom scattering 9—86029
Gartner, U. *see* Rentsch, I. 9—92333
Garton, G. *see* Maqsood, A. 9—52097
Gartshore, I.S. *see* Pui, N.K. 9—50716
Gartsman, K.G., Dedegkaev, T.T., Kryukov, I.I. Non-steady-state method of local determination of the thermo-EMF coefficient 9—85150
Gartstein, E., Rabinkin, A. On the FCC→HCP phase transformation in high manganese-iron alloys 9—61581
Garusov, E.A. The effect of a horizontal shift of the regulator 9—71877
Garvey, D.M. *see* Sax, R.I. 9—100919
Garvey, J. *see* Hojvat, C. 9—67971
Garvey, J.D. *see* Brown, B.C. 9—72047

Garvey, P.M., Fraser, J.S., Milton, J.C.D., Kiely, F.M., Pate, B.D., Thorson, I.M. Accelerator breeder target neutronics: AECL's underlying research program 9—81060

Garvie, R.C. Improved thermal shock resistant refractories from plasma-dissociated zircon 9—52350

Garvin, R.W., Wigen, P.E. Magnetic properties of crystalline Mg:Mn 9—73804

Garwin, E.L. *see* Prescott, C.Y. 9—75776

Gary, G.A. *see* Fountain, W.F. 9—53869

Gary, S.P. A second-order theory for the ion-acoustic heat flux instability 9—60125

Gary, S.P., Sanderson, J.J. Electrostatic temperature and gradient drift instabilities 9—90400

Gary, S.P. *see* Lemons, D.S. 9—60122, 9—80183

Gary, S.P. *see* Winske, D. 9—60117

Garzarolli, F., Jan, R., Stehle, H. The main causes of fuel element failure in water-cooled power reactors 9—67872

Garzon Ruiperez, L., Gutierrez Alonso, P., Suarez Marcos, A. Utilisation of Th(B) and Rn decay products in the study of the diffusion properties of the lower atmosphere over an urban site. II. Influence of certain meteorological variables 9—84348

Garzon Ruiperez, L., Suarez Marcos, A., Gutierrez Alonso, P. Utilisation of Th(B) and Rn decay products in the study of the diffusion properties of the lower atmosphere over an urban site. I. Influence of the origin of the air masses 9—84347

Garzon Ruiperez, L. *see* Gonzalez Fernandez, C. 9—92560, 9—92561, 9—92562

Garzoyan, M.A. *see* Akimov, Yu.K. 9—49525

Gasan-zade, S.G., Sal'kov, E.A., Shepel'skii, G.A. Photomagnetic effect in the quantum limit under electron heating conditions 9—69553

Gasan-zade, S.G., Sal'kov, E.A., Shepel'skii, G.A. The photomagnetic and photothermomagnetic effects in $Cd_xHg_{1-x}Te$ 9—78137

Gasan-Zade, S.G., Sal'kov, E.A., Shepel'skii, G.A. Recombination heating of current carriers in photoelectric effects 9—78138

Gasanly, N.M., Goncharov, A.F., Dzhavadov, B.M., Melnik, N.N., Tagirov, V.I., Vinogradov, E.A. Optical phonons in layer $TlInSe_2$ single crystals 9—55842

Gasanov, B.G. *see* Dorofeev, Yu.G. 9—70017

Gasanov, I.A. *see* Tagiev, B.G. 9—51517

Gasc, C. *see* Boonchukosol, K. 9—79093

Gasch, R., Markert, R., Pfutzner, H. Acceleration of unbalanced flexible rotors through the critical speeds 9—81783

Gascoigne, S.C.B., Shobbrook, R.R. The tilt of the LMC 9—53912

Gash, J.H.C. An analytical model of rainfall interception by forests 9—79966

Gashimzade, F.M., Seid-Rzaeva, S.M., Shteinshraiber, V.Ya. The influence of the interband scattering on the conductivity in HgTe-type crystals with inverted-band structure 9—51563

Gashin, V.M. *see* Maksimov, S.P. 9—63249

Gasilin, V.V., Kashirin, V.B., Kunchenko, V.V., Romanov, A.A., Skubko, V.A. Microhardness tester recording the indentation diagram 9—57173

Gasiot, J., de Murcia, M., Fillard, J.P., Chen, R. Correlation between simultaneous thermally stimulated conductivity and thermoluminescence transients—experimental case of stannic oxide monocrystals 9—91073

Gaskel, R. *see* Contogouris, A.P. 9—54299

Gaskell, P.H. A new structural model for amorphous transition metal silicides, borides, phosphides and carbides 9—64997

Gaskell, P.H., Mistry, A.B. High-resolution transmission electron microscopy of small amorphous silica particles 9—82157

Gaskell, R. *see* Contogouris, A.P. 9—63438

Gaskell, T. Microdynamics in classical liquids 9—60248

Gaskell, T., Miller, S. On the derivation of the velocity autocorrelation function in liquids from the incoherent scattering function 9—77491

Gaskell, T., Miller, S. Longitudinal modes, transverse modes and velocity correlations in liquids. III 9—94858

Gasnikova, G.P. *see* Men'shikov, A.Z. 9—82759

Gasoyan, M.S. *see* Mukhamedgalieva, A.F. 9—94271

Gaspar, A.V.B. Photovoltaic cells 9—70452

Gaspar, R., Gaspar, R., Jr. Bond orbital model of molecules. The model potential approach 9—49923

Gaspar, R., Koos, I. Calculations in a model potential field for the isoelectronic series of the Li atom 9—59339

Gaspar, R. *see* Gaspar, R. Jr. 9—93905

Gaspar, R., Jr. Ab initio molecular fragment calculations with pseudopotentials: hydrocarbon calculations of double-zeta quality 9—85879

Gaspar, R., Jr. *see* Gaspar, R. 9—49923

Gaspar, R. Jr., Gaspar, R. Ab initio molecular fragment calculations with pseudopotentials 9—93905

Gaspar, Z. An exact analysis of elastic bar-structures 9—81731

Gaspar, Z. Large deflection analysis of bar structures 9—98606

Gaspard, C., Leroy, V., Coheur, L. Sintered ferritic alloys with high mechanical properties and high damping capacity [Fe-Cr-Ti-Mo] 9—91726

Gaspard, C., Messien, P., Mignon, J. Method for orientation distribution function analysis in maximum shear planes 9—82172

Gaspard, C. *see* Messien, P. 9—91704

Gaspard, F., Herino, R. Transport in a nematic liquid crystal 9—90811

Gaspard, J.P. *see* Delanaye, F. 9—87033

Gasparian, A.P. *see* Abdivaliev, L. 9—93568

Gasparini, F. *see* Bobbio, S. 9—68349

Gasparini, F. *see* Fidecaro, G. 9—85343

Gasparini, F. *see* Hancox, R. 9—71976

Gasparini, F.M. *see* Di Pirro, M.J. 9—51380

Gasparini, F.M. *see* Joseph, R.A. 9—56015

Gasparini, P., Mantovani, M.S.M., Corrado, G., Rapolla, A. Depth of Curie temperature in continental shields: a compositional boundary 9—53330

Gasparotto, M. *see* Ascoli-Bartoli, U. 9—60170

Gasparoux, H., Lalanne, J.R., Martin, B. Correlations between the optical and magnetic anisotropies of uniaxial phases in an homologous series of liquid crystals. Application to the optical determination of thermal variations of the order parameter 9—82149

Gasparoux, H. *see* Hardouin, F. 9—60490, 9—69233

Gasparoux, H. *see* Huu Tinh 9—77506

Gasparoux, H. *see* Nguyen Huu Tinh 9—77513

Gasparoux, H. *see* Sigaud, G. 9—95132

Gasparov, V.A., Harutunian, M.H. Precision investigations of the Fermi surface of molybdenum 9—77984

Gasparov, V.A. *see* Arutyunyan, M.H. 9—95311

Gasparyan, A.O. *see* Aleksanyan, A.S. 9—68133

Gasparyan, A.P. *see* Abdivaliev, A. 9—67569, 9—67570

Gasparyan, S.A. *see* Oleinik, N.V. 9—72831

Gasperin, M. *see* Baud, G. 9—90614

Gasperin, M. *see* Bhide, V. 9—69065

Gasperin, M. *see* Cousson, A. 9—55704

Gasperin, M. *see* Tabuteau, A. 9—99133

Gasperini, M. *see* De Sabbata, V. 9—97116

Gasperis, P.de *see* de Gasperis, P.

Gasquet, B.de *see* de Gasquet, B.

Gasquet, D. *see* Nava, F. 9—56233

Gass, V.G. *see* Shur, Ya.S. 9—87286

Gassanov, L.G. *see* Andrushko, L.M. 9—98481

Gasser, R.D., Pratt, W.T. Analysis of LMFBR containment response to a core-disruptive accident 9—49672

Gasser, R.D. *see* Tsai, S.S. 9—54480

Gasser, R.P.H., Green, D.P. The decomposition of ammonia at low pressures by rhenium 9—61906

Gasser, R.P.H., Green, D.P., Holt, D.E. Interactions between hydrogen isotopes and carbon monoxide on rhenium 9—86987

Gasser, R.P.H. *see* Faux, N.A. 9—69358

Gasser, W., Hofling, R. Calculation of the dielectric function of the one-dimensional Hubbard model 9—60740

Gast, R.C. *see* Candelore, N.R. 9—71912

Gast, R.C. *see* Dralle, A.V. 9—67810

Gast, T.J., Burns, S.A. Detection threshold for lights of varying purity 9—74665

Gastaldi, J., Jourdan, C. Observation of the annealing twin growth by synchrotron radiation X-ray topography 9—55753

Gastaldi, L., Scaramuzza, L. On the space groups of two thiospinels 9—99141

Gastaldi, L. *see* Paorici, C. 9—65990

Gastaud, C. *see* Redon, M. 9—81407, 9—86168

Gastaud, G. *see* Platau, G. 9—90011

Gastaut, J.L. *see* Michel, B. 9—83899

Gasteiger, J. A representation of π systems for efficient computer manipulation 9—81148

Gastilovich, E.A., Shigorin, D.N. A study of electronic-vibrational interactions in polyatomic molecules with different disposition of electronic energy levels of different orbital origin and different multiplicity 9—85971

Gastmans, R. *see* Gaemers, K.J.F. 9—49502

Gat, A., Lietoila, A., Gibbons, J.F. A study of the mechanism of CW laser annealing of arsenic-implanted silicon 9—78798

Gat, A. *see* Gibbons, J.F. 9—73182

Gatehouse, B.M. Crystal structures of some niobium and tantalum oxides. V. $CeTa_7O_{19}$ 9—60323

Gatehouse, B.M. *see* Fallon, G.D. 9—60325, 9—90611

Gates, B.C. Liquefied coal by hydrogenation 9—92051

Gates, J.V., Ganfors, P.R., Fraass, B.A., Simmons, R.O. The structure transition in hydrogen below 1K 9—56024

Gates, J.V., Granfors, P.R., Fraass, B.A., Simmons, R.O. X-ray study of the crystallographic transformation in hydrogen below 1.5K 9—73374

Gates, K.B., Batchman, T.E. Waveguide excitation of optical surface waves for metal-barrier-metal devices 9—81567

Gates, O. *see* Warren, S.W. 9—88133

Gates, S.J., Jr. A comment on superspace Bianchi identities and six-dimensional spacetime 9—67204

Gath, I., Stalberg, E. Measurements of the uptake area of small-size electromyographic electrodes 9—74799

Gather, K. *see* Brandelik, R. 9—63491, 9—93441

Gatland, I.R. *see* Thackston, M.G. 9—68896

Gatley, I. *see* Harvey, P.M. 9—53808, 9—58406, 9—92771

Gatley, I. *see* Thronson, H.A., Jr. 9—53932

Gatley, I. *see* Werner, M.W. 9—84842

Gatley, J.A. *see* Bagley, K.Q. 9—97796

Gatos, H.C. *see* Chi, J.Y. 9—82604

Gatos, H.C. *see* Jastrzebski, L. 9—61356

Gatos, H.C. *see* Lagowski, J. 9—82674, 9—99575

Gatos, H.C. *see* Walukiewicz, W. 9—56218, 9—99545

Gatti, E., Longoni, A., Okuno, H., Semenza, P. Optimum geometry for strip cathodes or grids in MWPC for avalanche localization along the anode wires 9—76274

Gatti, E., Padovini, G., Quartapelle, L., Greenlaw, N.E., Radeka, V. Considerations for the design of a time projection liquid argon ionization chamber 9—63868

Gattinger, R.L. *see* Vallance Jones, A. 9—70909

Gattis, J.L., Schmitt, N.M., Frankowski, A.P. Techniques for automatic extraction of the location of surgically implanted markers from radiographic images of the heart 9—88175

Gatto, R., Morchio, G., Strocchi, F. Symmetries leading to flavor conservation in Higgs-induced neutral currents and implications on the Cabibbo angle 9—63407

Gatto, R., Vendramin, I. Testing gluons in QCD by energy-energy correlations in heavy quarkonium decay 9—71690

Gatto, R. *see* Abud, M. 9—71774

Gatzke, H.W. *see* Louisell, W.H. 9—94258

Gau, S.C. *see* Ozaki, M. 9—95474

Gau Ho Fun *see* Fun Gau Ho

Gaubas, E. *see* Vaitkus, Yu. 9—72685

Gaubert, C. *see* Ganachaud, J.P. 9—99996

Gaubert, C. *see* Mischler, J. 9—61475

Gauche, J.P. *see* Gabis, V. 9—96108

Gauckler, L., Hucke, E., Lukas, H.L., Petzow, G. Computer calculations of heterogeneous equilibria in the system C-O-H-N-Si-Ar 9—66044

Gauckler, L.J., Lukas, H.L., Henig, E.-Th., Petzow, G. Representation of phase equilibria in systems with a double exchange reaction 9—66266

Gauckler, L.J. *see* Boskovic, S. 9—52145

Gauckler, L.J. *see* Nakamura, T. 9—79242

Gauckler, L.J. *see* Ruska, J. 9—82174

Gaudart, L., Renucci, P., Rivoira, R. Effects of structure on the work functions of calcium, strontium and barium thin films 9—83107

Gaudart, L. *see* Armand, L. 9—91569

Gaudefroy, A. Some remarks on secondary sources used in active sound absorption 9—90044

Gaudefroy, A. On the use of distributions to account for active absorption via the first order equations of acoustics 9—90045

Gaudette, H.E., Hurley, P.M. Where were the Pan-African mountains? No evidence of 500 MY detrital zircons 9—84213

Gaudig, W., Sass, S.L. X-ray diffraction study of the structure of large-angle [001] twist grain boundaries in gold 9—90672

Gaughan, J.P. *see* Leadbetter, A.J. 9—86707, 9—86780

Gaukler, K.H. *see* Weimer, E. 9—67434

Gaul, G. *see* Lohner, H. 9—93642

Gaul, L. Dynamic half-space relations due to a thrust foundation 9—90177

Gaunand, A., Coeuret, F. Influence of the relative electric conductivity of the two phases on the potential distribution in flow-through porous electrodes under limiting current conditions 9—52679

Gaunaurd, G., Scharnhorst, K.P., Uberall, H. Giant monopole resonances in the scattering of waves from gas-filled spherical cavities and bubbles 9—50476

Gaunaurd, G.C., Uberall, H. Numerical evaluation of modal resonances in the echoes of compressional waves scattered from fluid-filled spherical cavities in solids 9—94529

Gaune-Escard, M. *see* Bros, J.P. 9—70466

Gauneau, M., Le Calvez, Y. Physico-chemical characterisation of copper conductors used in coaxial telephone cables 9—69487

Gaunkar, G.V.P. *see* Ovejero-Garcia, J. 9—83203

Gaunt, D.S., Sykes, M.F., McKenzie, S. Susceptibility and fourth-field derivative of the spin-$^1/_2$ Ising model for $T>T_c$ and d=4 9—61024

Gaunt, P. Temperature dependence of the magnetic properties of ferromagnetic amorphous alloys 9—61186

Gaunt, P., Mylvaganam, C.K. The thermal activation of magnetic domain walls from continuous and discontinuous planar pinning sites 9—87285

Gaunt, P. *see* Hadjipanayis, G. 9—82171

Gauntner, D.J., Nyland, T., Tiefermann, M., Dudzinski, T. Measurements of carbon monoxide, condensation nuclei and ozone on a B-747SP aircraft flight around the world 9—58010

Gaur, G.C.S. *see* Singh, A.K. 9—79821
Gaur, H.C. *see* Bhatia, K. 9—51288
Gaur, H.C. *see* Jain, S.K. 9—90813
Gaur, J.N. *see* Jain, B.L. 9—57146
Gaur, M.D. The slow motion of an axisymmetric body in a viscous, conducting, rotating fluid 9—50805
Gaur, V.P., Pande, M.C., Sah, M. Molecular line haze opacity in sunspots 9—75188
Gause, K.A., Stuart, J.R. Solar Mesosphere Explorer optical-mechanical systems engineering 9—58230
Gauslow, R.W. System 80—standardization with innovation 9—97755
Gauster, W.B. *see* Brown, J.A. 9—56685
Gauster, W.B. *see* Heffner, R.H. 9—56686
Gauster, W.F., Haslacher, H. Superconduction—a survey for the engineer 9—65573
Gautam, V.P., Bagchi, B. Asymptotic SU(5) symmetry and spectral-function sum rules 9—67495
Gautam, V.P. *see* Bagchi, B. 9—63480, 9—93311
Gautherie, M., Edrich, J., Zimmer, R., Guerguin-Kern, J.L., Robert, J. Millimeter-wave thermography—application to breast cancer 9—100693
Gautherie, M. *see* Robert, J. 9—100694
Gauthier, E. *see* Bonissent, A. 9—60622
Gauthier, J.P. *see* Jardin, C. 9—100468
Gauthier, M. *see* Hackett, P.A. 9—89723
Gauthier, N., Rochon, P. Dynamic resistance in a type I superconductor 9—87214
Gauthier, P.S. *see* Blanar, G.J. 9—93473
Gauthier, R. *see* Fillion, G. 9—73647
Gauthier, R.P., Fernie, J.D. The reddening of Polaris 9—58356
Gautier, A. *see* Joubert, M. 9—97842
Gautier, D., Courtin, R. Atmospheric thermal structures of the giant planets 9—84735
Gautier, F. *see* Moraitis, G. 9—99508
Gautier, H., Maerfeld, C., Tournois, P. Theory of the light-sensitive diode acoustic airgap convolver 9—49288
Gautier, H., Maerfeld, C., Tournois, P. Diode acoustic devices applied to optical imaging 9—50524
Gautier, P. *see* Joullie, A. 9—74135
Gautreau, R. *see* Cohen, J.M. 9—71684
Gautron, J., Lemasson, P., Rabago, F., Triboulet, R. Electrochemical behaviour of the ZnSe single crystal electrode 9—52676
Gautron, J. *see* Lemasson, P. 9—82669
Gauvenet, A. Methods for risk estimation in nuclear energy 9—89492
Gauyacq, J.P. A simple approximation for low-energy total detachment cross sections 9—72405
Gauzel'man, V.Ye. *see* Dudkin, K.N. 9—57646
Gava, E., Jengo, R., Omero, C., Percacci, R. Classical solutions for a generally covariant $\mathbb{C}P^2$ non-linear σ-model 9—54020
Gavaler, J.R., Ashkin, M., Braginski, A.I., Santhanam, A.T. Stabilization of high-T_c Nb_3Ge 9—56099
Gavaleshko, N.P. *see* Babii, P.I. 9—73969
Gavaleshko, N.P. *see* Kitsa, M.S. 9—87459
Gavar, V.V. *see* Bulkin, Yu.M. 9—97837
Gavard, P. *see* Aknin, J.P. 9—68001
Gavarri, J.-R., Weigel, D., Carel, C. Contribution to the structural study of solid wustite at high temperature 9—86754
Gavazza, S.D. *see* Altiero, N.J. 9—64508
Gavela, M.B. Semileptonic decays of charmed particles 9—63473
Gavela, M.B., le Yaouanc, A., Oliver, L., Raynal, J.C., Pene, O., Sood, S. Van der Waals-like forces between hadrons induced by color confining potentials 9—49460
Gavela, M.B., Oliver, L. Constraints on the weak isospin of heavy quarks from non-leptonic transitions 9—85257
Gavenda, J.D., Casteel, C.M. Anomalous propagation of ultrasound at Doppler-shifted cyclotron resonances 9—73429
Gavenda, J.D. *see* Theis, W.M. 9—73428
Gavillet, P. *see* Gurtu, A. 9—49517
Gavillet, P. *see* Irving, A.C. 9—93458
Gavillet, P. *see* Mazzucato, M. 9—89148
Gavish, B., Lifson, S. Membrane polarisation at high current densities 9—91962
Gavish, B. *see* Motzkin, D. 9—74770
Gavish, J., Chadwick, R.S., Gutfinger, C. Viscous flow in a partially filled rotating horizontal cylinder 9—77125
Gavison, R. *see* Bresseleers, C. 9—57161
Gavoille, G. *see* Viard, M. 9—78067
Gavrev, V.S., Maranets, E.A., Pasternak, V.B., Shpiner, M.M. Special frequency response of amplifier for ultrasonic flaw detector 9—70276
Gavrikov, V.F., Oraevskii, A.N., Piskunov, A.K., Rodionov, N.B., Shcheglov, V.A. Diffusion, heat-pumped D_2-HCl-Ar and D_2-HCl-He gasdynamic lasers 9—64217
Gavrilas, N., Gusa, M., Olah, R., Dudici-Ruscior, M. Concerning some aspects of electrical discharges in air, in a strong nonuniform field 9—68964
Gavrilenko, A.P., Koval'chenko, M.S., Lapshov, Yu.K., Sereda, N.N. Pressing of tungsten powders with dispersed additions of a strengthening phase 9—70016
Gavrilenko, G.D. Stability of imperfect cylindrical shells 9—94514
Gavrilenko, V.G., Konkov, V.N., Churilina, N.A. Influence of absorption on the statistical characteristics of a wave in a medium with smooth space-time fluctuations 9—81339
Gavrilenko, V.G., Krom, M.N., Stepanov, N.S. Photon interaction with a turbulent medium 9—82068
Gavrilenko, V.G. *see* Barkhatov, A.N. 9—94695
Gavrilenko, V.I., Murzin, V.N., Saunin, S.A., Chebotarev, A.P. Magnetoplasma resonance in electron-hole drops in germanium at arbitrary crystallographic orientation of the magnetic field 9—78018
Gavrilenko, V.I., Zuev, V.A., Katrich, G.A., Tarashchenko, D.T. Electroreflection of hexagonal (6H) and cubic silicon carbide single crystals 9—61340
Gavrilenko, V.I. *see* Almazov, L.A. 9—51983
Gavril'ev, A.I., Karmadonov, I.P., Krivoshapkin, P.A., Kuz'min, A.I., Prikhod'ko, A.N., Skripin, G.V., Filippov, V.A. Energy spectrum of the anisotropy of cosmic rays in 1971-1975 9—80136
Gavril'ev, I.N. New technique for cooling specimens in low-temperature tests on machines of IMASh-5S-65 type 9—52520
Gavrilik, A.M. *see* Klimyk, A.U. 9—97230
Gavrilin, I.V. *see* Leont'ev, Yu.A. 9—78954
Gavrilin, V.I., Gulyaev, A.M., Karpeev, D.V., Akpambetov, V.B. Temperature dependence of the electroacoustic interaction in a structure consisting of lithium niobate and an indium antimonide film 9—69336
Gavrilina, L.Ya., Emel'yanova, O.A., Zheivot, V.I., Kiselev, A.V., Kovaleva, N.V. Preparation of various types of adsorbents for gas chromatography by modification of graphitized carbon black 9—96358
Gavrilko, T.A. *see* Basia, D.F. 9—51965
Gavrilo, V.P. *see* Bogorodskii, P.V. 9—94402
Gavrilov, A.A. *see* Bagatyrev, V.A. 9—73573
Gavrilov, A.G., Men'shonkova, T.N., Piskunkova, N.F., Pospelov, M.E., Fraikin, G.Ya., Rubin, L.B. Specificity of effect of laser UV radiation on survival of microorganisms 9—70586
Gavrilov, F.F. *see* Betenekova, T.A. 9—69416
Gavrilov, G.M. *see* Borodovskii, Ya.A. 9—51598
Gavrilov, G.M. *see* Krishtal, M.A. 9—100231
Gavrilov, K.I., Zubkov, V.N., Fomin, V.G., Shumskii, M.G., Shashkov, Yu.M., Shushlebina, N.Ya., Shchegol'kova, L.A. Variation of tetrahedral bond deformation in silicon carbide crystals with their hexagonality and degree of doping with nitrogen 9—94977
Gavrilov, K.S. *see* Barabanov, V.N. 9—70254
Gavrilov, N.M., Karmov, K.A., Mordvintsev, M.Yu., Semenov, V.K. Coherence of wave variations of O λ5577 Å airglow and wind speed in the meteor zone 9—62637
Gavrilov, S.P., Gitman, D.M., Shvartsman, Sh.M. Green's functions in external electric field 9—49434
Gavrilov, S.P., Gitman, D.M., Shvartsman, Sh.M. Green's functions in external electric field and its combination with magnetic field and plane-wave field 9—54288
Gavrilov, S.V., Zharkov, V.N., Razumaykina, T.V. Convective instability of actual models of the upper mantle 9—88323
Gavrilov, V.B. *see* Bayukov, Yu.D. 9—49538
Gavrilov, V.N. *see* Zolotoyabko, E.V. 9—56644
Gavrilova, I.M. *see* Farsiyants, V.Yu. 9—61527
Gavrilova, N.D., Koptsik, V.A., Novik, V.K., Popova, T.V. The crystal of proustite: A new trigonally reoriented ferroelectric semiconductor 9—61317
Gavrilova, N.D. *see* Popova, T.V. 9—69787, 9—95715
Gavrilyachenko, V.G. *see* Surowiak, Z. 9—69794, 9—69795
Gavrilyachenko, V.G. *see* Turik, A.V. 9—99817
Gavrilyuk, A.V., Tauber, V.V., Kazakov, V.G. Determination of the energy of domain walls in thin ferromagnetic films 9—95620
Gavrilyuk, L.V. *see* Gabovich, A.M. 9—65578
Gavrilyuk, V.D. *see* Barkalov, A.D. 9—55584
Gavrilyuk, V.G., Prokopenko, V.G., Razumov, O.N. Mossbauer study of the effect of alloying elements on the carbide phase in cold-worked steel 9—82900
Gavrilyuk, V.I. *see* Bulgakov, V.V. 9—75909
Gavron, A., Wald, S., Lynen, U. Dead time correction of measurements using scaledown units 9—93892
Gawin, J. *see* Wdowczyk, J. 9—80150
Gawron, M. *see* Przybylski, M. 9—87087
Gawronska, E. *see* Darek, B. 9—78725
Gawronski, R., Macukow, B. The adaptive neuron-like layer net as a control learning system 9—74631
Gawthorpe, P. Pressure vessel proof testing—the British Standard 9—70269
Gawthrop, W. The 1927 Lompoc, California earthquake 9—84127
Gay, C.F. Ultra-thin silicon solar cells for high performance panel applications 9—52938
Gay, J. *see* Assus, P. 9—62755
Gay, J.C., Pendrill, L.R., Cagnac, B. New resonances in the atomic spectra in crossed electric and magnetic fields 9—85943
Gay, N.C. SEM studies on fault gouge formed during rockbursts in mines 9—74891
Gay, N.C. *see* McGarr, A. 9—84152
Gay, R.R. EFLOD code for reflood heat transfer 9—67891
Gay, R.R. EFLOD: gravity-driven reflood hydrodynamics 9—89426
Gay, T.J., Berry, H.G. Temperature dependence of alignment production in He I by beam-foil excitation 9—54956
Gayda, J., Ebert, L.J. The effect of cryogenic cooling on the tensile properties of metal-matrix composites 9—61623
Gayer, K.H. *see* Johnson, G.K. 9—61892
Gayer, S., Kennel, C.F. Possibility of Landau damping of gravitational waves 9—49130
Gayet, J.-F., Soulage, R.G., Bricard, J. Microphysical characteristics of stratocumulus producing anticoronae 9—53488
Gayle, J.B., Bennett, H.D. Consequences of model departures on the resolution of multicomponent spectra by multiple regression and linear programming 9—74443
Gaylor, K., Van Megen, W., Snook, I. Structure of dispersions of small, strongly interacting particles 9—74427
Gayraud, R. *see* Attal, P. 9—54613
Gazaryan, K.A. *see* Asatiani, T.L. 9—68132
Gazda, H.O.E. Enrichment of uranium with the special emphasis on the HAGA radial-separating-nozzle centrifuge 9—67954
Gazdag, J. Wave equation migration with the phase-shift method 9—84132
Gazengel, J., Rivoire, G. Spatial structure of a picosecond laser beam in a non-linear medium 9—94287
Gaziev, U.Kh. *see* Umarov, G.Ya. 9—83621
Gazizov, A.Z. *see* Berezinskii, V.S. 9—67537
Gazley, C., Jr. *see* Wazzan, A.R. 9—81845
Gazova, G.I. *see* Popova, N.N. 9—87786
Gazquez, J.L. *see* Garritz, A. 9—85883
Gazso, J., Kocka, J., Kosek, F. Influence of Te doping on the AC properties of As_2S_3 glasses 9—78106
Gazza, G.E., Knoch, H., Quinn, G.D. Hot-pressed Si_3N_4 with improved thermal stability 9—61613
Gazzaly, M. *see* Adams, G.S. 9—80915
Gazzaly, M. *see* Bayukov, Y.D. 9—85475, 9—93623
Gazzaly, M. *see* Bo Hoistad 9—85463
Gazzaly, M. *see* Hoistad, B. 9—89274
Gazzoli, D. *see* Valigi, M. 9—90792
Gburski, Z., Szczepanski, W. Angular frequency autocorrelation function for a molecular oscillator in liquid nitrogen. Model calculations 9—90511
Gdalevich, G.L., Chapkanov, S.K., Bankov, L.G., Gubskii, V.F., Dachev, Ts.P., Petrunova, Kh.M. Measurements of electron-ion concentration and electron temperature with the rocket Vertikal' 4 9—84566
Gdoutos, E.E. A photoelastic determination of the elastic-plastic boundary 9—81739
Gdoutos, E.E. *see* Theocaris, P.S. 9—64612
Gdula, R.A. *see* Revitz, M. 9—82673
Ge Huan-Chen *see* Dung Sung-Sheng 9—57869
Ge Molin *see* Duanyishi 9—63338
Ge Yun-long, Tong Ying-jie The eutectic transformation during aging of a high aluminium and titanium content cast nickel base superalloy 9—100110
Gea, M. *see* Santamaria, J. 9—81378
Geacintov, N.E., Husiak, D., Kolubayev, T. Exciton annihilation versus excited state absorption and stimulated emission effects in laser studies of fluorescence quenching of chlorophyll in vitro and in vivo 9—98137
Geaga, J.V. *see* Van Bibber, K. 9—97723
Gealy, G. *see* Gray, T.J. 9—69906
Geana, D. *see* Landauer, O. 9—74284
Geard, J. *see* Aknin, J.P. 9—68001
Gearhart, C.A., Jr., Zimmermann, W., Jr. Differential osmotic pressure measurements of the concentration susceptibility of liquid $^3He/^4He$ mixtures near the lambda curve and tricritical point 9—73371
Gearhart, G.A. *see* Rothbart, G.B. 9—59784
Geary, J.M., Holmes, D. Real time interferogram simulation 9—54181
Geary, J.M., Holmes, D.F., Harris, M. Interference problems in a coherent aberration sensor 9—98422
Geary, S. *see* Coates, J.P. 9—49304
Gebala, S. Luminescence of the Fe^{3+} ion in optical glasses 9—69886
Gebala, St., Rysiakiewicz, E. On the mechanism of the radiation resistance of boro-silicate glasses with the admixture of cerium 9—86825
Geballe, T.H. *see* Wernick, J.H. 9—74080
Geballe, T.H. *see* Yamaya, K. 9—91182
Geballe, T.R., Lacy, J.H., Beck, S.C. The 8 micron band of silicon monoxide in the expanding cloud around VY Canis Majoris 9—62840
Geballe, T.R. *see* Beck, S.C. 9—92844
Geballe, T.R. *see* Nadeau, D. 9—71094

Gebauer, A. Radiological/clinical experience with the Optiplanimat 9—62339

Gebauer, D., Orley, H. Analytical determination of the maximum hip joint force by means of a biomechanical model 9—88099

Gebauer, D. *see* Paryjczak, T. 9—79286

Gebauer, R., Salcher, G. Canal rays as atomic light sources. Deuterium and helium as well as 'monochromatic' canal rays and polarization 9—59782

Gebbie, H.A. *see* Irfan, A.Y. 9—54198

Gebhardt, F.G. Experimental demonstration of the use of phase correction to reduce thermal blooming 9—98449

Gebhardt, U., Irnich, W. Interference with cardiac pacemakers by diathermy tested in various simulation models 9—84007

Gebhart, B. *see* Mahajan, R.L. 9—50726, 9—55389

Gebhart, J. *see* Heyder, J. 9—50214

Gebicki, J. Quenching of anthracene fluorescence by triethylamine 9—50057

Gebicki, J.L. *see* Mayer, J. 9—66321

Gebrande, H. *see* Angenheister, G. 9—57889

Geckeler, S. Pulse broadening in optical fibers with mode mixing 9—81516

Geckinli, N.C. *see* Yavuz, D. 9—59878

Gecsei, J. *see* Armstrong, W.W. 9—72524

Ged, P. Thermodynamics of vapor phase Al doped ZnSe 9—90686

Ged, P. *see* Bouley, J.C. 9—98392

Gedalin, E.V. Inclusive spectra of particle production in three-Reggeon limit range 9—54369

Gedalin, E.V. The distribution of partons with respect to transverse impulse in quantum chromodynamics 9—63433

Gedalin, E.V. Transverse impulse of hadrons in streams generated by quarks and gluons 9—85280

Gedalin, E.V. Transversal momenta of particles in quantum chromodynamics 9—93370

Geddes, A.D. *see* Larrabee, A.L. 9—70722

Geddes, H.B. Renormalization of an SU(n) linear σ model in the one-loop approximation for $n \geq 4$ 9—97516

Geddes, J. *see* Hill, J. 9—72386, 9—89764

Geddes, J. *see* McKee, J.D.A. 9—59546

Geddes, L.A. *see* Hughes, D.J. 9—57836

Geden', I. *see* Beke, D.L. 9—69282

Gedeon, G. *see* Tabary, F. 9—53184

Gedevanishvili, L.D. *see* Aglamazov, V.A. 9—84616

Gedgaudas, E. *see* Frick, M.P. 9—88211

Gedgovd, K.N. *see* Gordeeva, L.T. 9—70227

Gedye, J. *see* Dymek, M.S. 9—79676

Gee, A.W.J.de *see* de Gee, A.W.J.

Gee, C.M., Kastner, M. Intrinsic-defect photoluminescence in amorphous SiO_2 9—78740

Gee, C.N.P. *see* Bourquin, M. 9—71768

Geenen, J. *see* Schoeters, E. 9—75836

Geer, J., Keller, J.B. Slender streams 9—77205

Geer, S.H.P. *see* Armstrong, T.A. 9—85344

Geerlings, P. *see* Figeys, H.P. 9—72234

Geesaman, D.F., McGrath, R.L., Noe, J.W., Malmin, R.E. Yrast states in ^{52}Fe, ^{52}Mn and the decay of ^{52}Fe^{m} 9—67631

Geesaman, D.F., Olmer, C., Zeidman, B., Segel, R.E., Swenson, L.W., Boudrie, R.L., Morris, C.L., Thiessen, H.A. Excitation of high-spin particle-hole states in ^{28}Si by pion inelastic scattering 9—85541

Geesaman, D.F. *see* Bowles, T. 9—93663

Geesaman, D.F. *see* Olmer, C. 9—93667

Geetha, P.L., Balasubramanian, S. Screening of impurity ions in germanium 9—99500

Geffen, D.A., Wilson, W.J. Angular correlations in the decay $\tau \to \nu, \rho\pi$ 9—63567

Geffen, N. *see* Lustman, L. 9—98818

Gefter, P.L., Stysis, V.N. Measurements of electrical charge on moving dielectric fibers 9—75549

Gegechkori, T.O., Kachlishvili, Z.S. Influence of the capture of charge carriers upon the I-U curves of hot electron semiconductors with account of phonon heating 9—51589

Gegechkori, T.O., Kachlishvili, Z.S. Current-voltage characteristics of hot electrons under phonon heating and recombination conditions 9—51591

Gegen, D., Simonsen, E. Ken Mattingly Planetarium 9—84921

Gegiadze, G.G. *see* Gvelesiani, G.G. 9—52113

Geguzin, Ya.E., Dzyuba, A.S., Kruzhanov, V.S. Movement of gas-liquid inclusions in crystals in a temperature field gradient 9—55942

Geguzin, Ya.E., Kaganoviskii, Yu.S., Paritskaya, L.N., Solunskii, B.I. Kinetics of the motion of phase boundaries during interdiffusion in a two-component system 9—60559

Geguzin, Ya.E., Kononenko, V.G., Khaikhler, V. Role of extraneous inclusions in formation of nucleating pores in system with excess vacancies 9—73164

Geguzin, Ya.E., Kontorovich, S.I., Shchukin, E.D. Manifestation of Gorskii effect in porous powder structures 9—65109

Geguzin, Ya.E. *see* Boiko, Yu.I. 9—95024

Geguzin, Ya.E. *see* Garbovitskaya, T.G. 9—82502

Geha, A.S. *see* McFarland, W.J., Jr. 9—92459

Gehl, S.M. *see* Rest, J. 9—59189

Gehlen, P.C., Kanninen, M.F., Popelar, C.H. Modeling of dynamic crack propagation. I. Validation of one-dimensional analysis 9—72857

Gehlen, P.C. *see* Popelar, C.H. 9—50662

Gehlhoff, W., Kreissl, J. Investigation of EPR superhyperfine structure for the cubic Gd^{3+} center in CdF_2 9—51851

Gehrels, T., Gradie, J.C., Howes, M.L., Vrba, F.J. Wavelength dependence of polarization. XXXIV. Observations of Venus 9—66942

Gehrels, T., Tedesco, E.F. Minor planets and related objects. XXVIII. Asteroid magnitudes and phase relations 9—88617

Gehren, T. Metal abundances and microturbulence in seven solar-type stars. II. Model atmosphere analyses 9—67002

Gehringer, C. *see* Toulenmonde, M. 9—58998

Gehringer, C. *see* Vivien, J.P. 9—85408

Gehrke, H. A small solar power plant with a freon turbine 9—62020

Gehrke, R.J., Helmer, R.G., Reich, C.W. Emission probability of the 312-keV gamma ray from the decay of protactinium-233 9—59035

Gehrke, R.J. *see* Helmer, R.G. 9—75922

Gehrmann, R. *see* Schramm, B. 9—90754

Geich-Gimbel, C. *see* Blietschau, J. 9—93396

Geichenko, V.V., Kanyuka, A.K., Smirnov, A.A. The theory of ordering alloys with the crystal lattice parameters depending on composition and order 9—77543

Geick, R. *see* Goto, T. 9—60418

Geick, R. *see* Schroder, B. 9—61237

Geicke, J. Causality and fixed points in the renormalization group 9—71597

Geicke, J. Are asymptotically non-free theories with vanishing anomalous dimension really excluded? 9—97506

Geidur, S.A., Prokopenko, V.T., Rondarev, V.S., Yas'kov, A.D. Optical method of estimating the dopant concentration in n-GaAs 9—86811

Geidur, S.A., Prokopenko, V.T., Yas'kov, A.D. Dispersion of birefringence of SiC(6H) 9—69807

Geier, K. *see* Bittrich, H.-J. 9—77762

Geiger, A., Stillinger, F.H., Rahman, A. Aspects of the percolation process for hydrogen-bond networks in water 9—69001

Geiger, A.L. Effects of internal oxidation and nitridation on the magnetic properties of non-oriented electrical steels 9—83336

Geiger, D. *see* Flaud, P. 9—66587

Geiger, H. *see* Dayal, D. 9—91570

Geiger, H. *see* Fischer, W. 9—99452

Geiger, J. The oscillator strength density of the $4s^2$-4snp, 3dnp, $^1P_1$, $^3P_1$ series of calcium as a two-channel case in quantum defect theory 9—81183

Geiger, J., Huck, F. Energy and local variation of the response function of discrete and continuous secondary electron multiplier for 5-50 keV electrons 9—97946

Geiger, J., Moron-Leon, D. Electron-atom shadow scattering 9—59575

Geiger, J. *see* Yaakobi, B. 9—54598

Geiger, W. Deviation and error 9—49188

Geigle, W. *see* Schwan, L.O. 9—99920

Geil, P.H. *see* Hagerling, C.W. 9—87700

Geil, P.H. *see* Lam, R. 9—73296

Geil, W., Schmugge, K. Interaction between technological parameters and crystal quality during the crystal growth of silicon crystals, free from dislocations 9—100030

Geilikman, M.B. Elastic properties of polytypes 9—51187

Geils, R.H. *see* Galeener, F.L. 9—73933

Geis, G.L. Three kinds of behavioral objectives: total, sample and consequence statements 9—92908

Geis, M.W., Flanders, D.C., Smith, H.I. Crystallographic orientation of silicon on an amorphous substrate using an artificial surface-relief grating and laser crystallization 9—95277

Geis, M.W. *see* Dispert, H.H. 9—74365

Geisler, C.D., Sanh Le, Schwid, H. Further studies on the Schroeder-Hall hair-cell model 9—70554

Geisler, C.D. *see* Hubbard, A.E. 9—96566, 9—96567

Geisler, F.H., Siegel, J.H., Shetye, M., Farrell, E.J. A non-invasive method utilizing non-linear computer analysis of respiratory tracer gases to obtain cardiac output, lung tissue volume, and the effective volume of perfused peripheral tissues 9—62395

Geisler, G. Physical effects influencing problems of sound source location 9—57668

Geisler, H., Muller, H.G. Flow activation energy of dilute polymer solutions 9—77191

Geiss, J. *see* Maurer, P. 9—53739

Geiss, R.H. A review of STEM techniques: micro-diffraction...non-standard imaging techniques...micro-analysis with EDS 9—49344

Geiss, R.H. *see* Lee, W.-Y. 9—100286

Geissler, E., Hecht, A.M. Translational and collective diffusion in semi-dilute gels 9—52787

Geist, J. Quantum efficiency of the p-n junction in silicon as an absolute radiometric standard 9—49284

Geist, J. *see* Schaefer, A.R. 9—75593

Geist, W. *see* Drijard, D. 9—89150, 9—89198

Geister, D.E. *see* Brown, G.S. 9—74780

Gekelman, W. *see* Stenzel, R.L. 9—50851

Gelardi, F.M. *see* Boscaino, R. 9—65719

Gelatt, C.D., Jr. *see* Kivelson, S. 9—77992

Gelatt, C.D., Jr. *see* Williams, A.R. 9—94952

Gelb, A., Alper, J.S. Classical rotation cross sections for H_2-HD and HD-HD collisions 9—64078

Gelbard, A.S. *see* Tilbury, R.S. 9—53245

Gelbard, E.M., Hughes, R.P. Lattice eigenvalues as a function of buckling: Correction to first-order perturbation theory 9—59118

Gelbard, E.M., Milton, L.J. Improved Monte Carlo tracking technique for slab cells 9—85580

Gelbard, E.M., Prael, R.E., Reynolds, B.G. Monte Carlo benchmarking of fast reactor computations 9—89405

Gelbard, E.M. *see* Boley, C.D. 9—77340

Gel'berg, M.G., Volkov, N.N., Kukushkina, R.S. Effect of weak large-scale inhomogeneities of the auroral ionosphere on the propagation of radio waves in the shortwave range 9—101017

Gelbin, D. *see* Roethe, K.P. 9—77817

Gelbke, C.K. *see* Egelhof, P. 9—67737

Gelbke, C.K. *see* Shotter, A.C. 9—89275

Gel'chinskii, B.R. *see* Mon'kin, V.D. 9—51549

Geld, P.V. *see* Adamescu, R.A. 9—91700

Gel'd, P.V. *see* Alekseev, Yu.S. 9—69013

Gel'd, P.V. *see* Klyueva, I.B. 9—66174

Gel'd, P.V. *see* Lobanov, V.V. 9—51307

Gel'd, P.V. *see* Petrushevskii, M.S. 9—51277

Geldart, D.J.W. *see* Rasolt, M. 9—85067

Gelder, A.P.Van *see* Van Gelder, A.P.

Gelders, L., Berghmans, J. Solar heating in Belgium: a preliminary economic analysis 9—57443

Geldzahler, B.J. High resolution observations of compact radio sources in the directions of supernova remnants 9—53925

Geldzahler, B.J., Shaffer, D.B. Very high resolution observations of the nearby quasar 0241+622 9—88758

Gelenkov, A.E., Okhlopkov, V.P., Svirzhevskaya, A.K., Svirzhevskii, N.S., Stozhkov, Yu.I. Cosmic-ray albedo obtained from measurements in the stratosphere 9—80134

Geleyn, J.F., Hollingsworth, A. An economical analytical method for the computation of the interaction between scattering and line absorption of radiation 9—100940

Gel'fand, B.E., Gubin, S.A., Timofeev, E.I. Reflection of plane shock waves from a solid wall in a gas bubble-liquid system 9—81952

Gel'fand, B.E., Timofeev, E.I., Stepanov, V.V. Structure of weak shock waves in a gas-bubble-liquid system 9—86492

Gel'fand, B.E. *see* Borisov, A.A. 9—64737

Gelfand, J., Hermina, W., Smith, W.H. Pressure broadening in the 6190 Å vibration-rotation band of methane 9—94033

Gelfand, S.A., Silman, S. Effects of small room reverberation upon the recognition of some consonant features 9—86306

Gel'fgat, Yu.M. Possibility of using constant inhomogeneous fields for the redistribution of liquid metal flows 9—77285

Gel'fgat, Yu.M., Krumin', Yu.K., Plyusnina, L.A. A cylindrical, linear induction pump having coils inclined to its longitudinal axis. II. Calculation of the electrodynamic force and experiments 9—77281

Gel'fgat, Yu.M., Semin, S.I. The calculation of the discrete component motion velocity and distribution in a biphase liquid vortex flow 9—90320

Gel'fgat, Yu.M., Sorkin, M.Z. The motion of a solid spherical particle in an elliptic vortex 9—90261

Gel'fond, Yu.V., Grinberg, A.B., Konopel'ko, L.A., Opelat, T.T., Pakhomova, L.M. Metrological provisions for gas-analyzing instruments for testing microconcentrations of carbon monoxide in air 9—67248

Gelhar, L.W. *see* Gutjahr, A.L. 9—84321

Gelikonov, V.M., Khandokhin, P.A. A nonlinear mode of PMT [photomultiplier tube] operation 9—85183

Gelikonov, V.M., Zaitsev, Yu.I., Malykin, G.B. Laser frequency self-stabilization effect in the presence of rapid perturbations 9—98420

Gelin, P. *see* Breelle, Y. 9—74512

Gelineau, A. *see* Clerjaud, B. 9—69723

Gell, R.A. Shelly beaches on the Victorian coast [Australia] 9—92525

Geller, I.M. *see* Kulagin, V.V. 9—97365

Geller, K. *see* Gill, R. 9—100974

Geller, L. Uranium in 1985: some thoughts on the outlook for resources and supply 9—63795

Geller, M.J., Turner, E.L., Bruno, M.S. Night-to-night variations in the optical continuum flux from the nucleus of NGC 1275 9—71118

Geller, R. Electron cyclotron resonance (ECR) multiply charged ion sources 9—54729

Geller, R. *see* Bliman, S. 9—94080

Geller, R.B. *see* Cotton, W.D. 9—53922

Geller, R.J. *see* Stein, S. 9—84120, 9—96741

Geller, S. Crystal and static magnetic properties of garnets 9—99166

Geller, S., Akridge, J.R., Wilber, S.A. Crystal structure and conductivity of the solid electrolyte α-$RbCu_4Cl_3I_2$ S.A. (Dept. of Electrical Engng., Univ. of Colorado, Boulder, CO, USA) 9—82382
Geller, Yu.I. Effect of stochastic laser radiation on the induction of nonlinear resonances in the continuum 9—64273
Gellert, B., Handke, J., Kronast, B. A simple transition-locked and polarization-forced multiline oscillator for high-power CO_2-laser systems 9—72584
Gellert, R.I. *see* Erdmann, J.C. 9—50831
Gelles, D.S. Solute segregation to point-defect sinks in neutron-irradiated Nimonic PE16 9—78976
Gelletly, W. *see* Neil, D.A. 9—76245
Gellin, S. Effect of an axisymmetric imperfection on the plastic buckling of an axially compressed cylindrical shell 9—64548
Gellings, P.J. Concentration changes due to cathodic protection 9—70181
Gellings, P.J., de Bree, E.W., Gierman, G. Synthesis and characterization of homogeneous intermetallic Fe-Zn compounds. II. The ξ phase 9—83177
Gellings, P.J., de Bree, E.W., Gierman, G. Synthesis and characterization of homogeneous intermetallic Fe-Zn compounds. I. The δ_1 phase 9—87616
Gel'man, A.B. *see* Kriger, Yu.G. 9—69742
Gel'man, B.G., Zolotukhin, V.G., Lamonov, N.I., Levchuk, B.V., Mukhin, L.M., Nenarokov, D.F., Okhotnikov, B.P., Rotin, V.A., Lipatov, A.I. Gas-chromatographical analysis of the chemical composition of the atmosphere of Venus made by the Venera 12 probe 9—66948
Gelman, C., Meltzer, T.H. Membrane filters in air analyses 9—79316
Gel'man, M.M., Zagorskii, Ya.T., Kuznetsov, A.A., Levi, A.M. Multichannel instrument for measuring the energy of pulsed laser radiation 9—76731
Gel'man, M.M. *see* Alekseev, S.G. 9—71431
Gel'miza, V.I. *see* Shur, D.M. 9—64515
Gel'mont, B.L., Efros, Al.L. Effect of nonlocal potential on the spectrum of holes in narrow-gap semiconductors in a magnetic field 9—90959
Gelmont, B.L. *see* Baranovskii, S.D. 9—51465
Gel'mukhanov, F.Kh., Shalagin, A.M. Light-induced diffusion in gases 9—77335
Gelmukhanov, F.Kh., Shalagin, A.M. Diffusion pulling in and pushing out of atoms by a light field [isotope separation appl.] 9—98047
Gel'perin, N.I., Sal'nikov, I.P., Ainshtein, V.G. Estimation of the intensity of longitudinal mixing in a finite channel 9—90336
Gelpi, A. *see* Cozar, R. 9—91713
Gelten, M.J. *see* Blom, F.A.P. 9—69410
Gelyasin, A.E. *see* Vasil'ev, E.A. 9—52159
Gembitskii, P.A., Kleshcheva, N.A., Chmarin, A.I., Zhuk, D.S. On some features of linear polyethylene imine and its oligomers 9—50177
Gemma, A.E. Hold-time effect of a single overload on crack retardation at elevated temperature 9—79068
Gemmell, D.S. *see* Braid, T.H. 9—60414
Gemmell, D.S. *see* Lloyd, E.L. 9—66488
Gemmell, H.G. *see* Martin, C.J. 9—53185, 9—62292
Gemmell, M.A. *see* Lloyd, E.L. 9—66488
Gemmer, R.V., Golub, M.A. ^{13}C NMR spectroscopic study of epoxidized 1,4-polyisoprene and 1,4-polybutadiene 9—51872
Gemperle, A., Gemperlova, J. Measurement of sensitivity of transmission electron microscopes to AC magnetic field 9—75659
Gemperle, R., Novotny, P., Menovsky, A. Bitter figure observations on U_3As_4 at low temperatures 9—65693
Gemperlova, J. *see* Gemperle, A. 9—75659
Gemund, H.-P. *see* Bostanjoglo, O. 9—91249, 9—91266
Gen Chen Kuo *see* Kuo Gen Chen
Gen-Dao Li *see* Li Gen-Dao
Gen-Hua Dai *see* Dai Gen-Hua
Gen-jin Sao *see* Sao Gen-jin
Gence, J.N., Angel, Y., Mathieu, J. Linear parts of correlations placed on pressure fluctuations in a homogeneous turbulence associated with a shear and a gravity effect 9—50708
Gence, J.N., Mathieu, J. On the application of successive plane strains to grid-generated turbulence 9—81858
Genchev, V.I. *see* Birulev, V.K. 9—67547
Genchev, Zh.D., Georgiev, P.G., Stanchev, I.H. On the physical model of a broken oscillating circuit 9—50187
Gendao Li *see* Li Gendao
Gendenshtein, L.E. Renormalization group at finite temperatures and the liberation of quarks 9—67515
Genderen, A.M.van *see* van Genderen, A.M.
Gendreau, G. *see* Chabert, A. 9—54698, 9—72110
Gendrin, R., De Villedary, C. Unambiguous determination of fine structures in multicomponent time-varying signals 9—70921
Gendrin, R., Laurent, G. Investigation of the chevron structure of some Pc 1 pulsations 9—58193
Gendrin, R. *see* Cornilleau-Wehrlin, N. 9—66878
Gendrin, R. *see* Loisier, G. 9—70927
Gendrin, R. *see* Robert, P. 9—70924
Genel', V.A. *see* Goryachev, P.T. 9—96205
Genens, L. *see* Wang, S.-T. 9—52948
Generalova, V.V. *see* Averkiev, V.P. 9—93836
Genet, F. *see* Houdas, Y. 9—62323
Geneux, E., Anliker, P., Weber, H.P. Tunable narrowband subnanosecond dye laser 9—81445
Geng Nai-Guang *see* Chen Rong 9—100825
Gengembre, L. *see* Curru, J.-C. 9—51903
Genicon, J.L., Tholence, J.L., Tournier Nuclear induced ferromagnetism in $PrCu_5$ 9—61069
Genin, E.A. *see* Romanovskii, S.G. 9—68557
Genin, Ya.V. *see* Korshak, V.V. 9—57123
Genin, Ya.V. *see* Rogovina, L.Z. 9—65010
Genio, A.D.Del *see* Del Genio, A.D.
Genkin, M.V. Investigation of the spectral characteristics of immobilized peroxidase 9—57579
Genkin, M.V., Davydov, R.M., Krylov, O.V. Study of the conformation of cytochrome c adsorbed on different carriers 9—53029
Genkin, M.V., Davydov, R.M., Krylov, O.V. Effect of adsorption on the structure and properties of haemoglobin 9—92121
Genkin, V.N. *see* Bityurin, N.M. 9—64277
Genkina, N.A. *see* Verbovetskii, A.A. 9—76639
Genna, S. *see* Sing Chin Pang 9—66530
Gennaro, J.L. *see* Beatty, S.S. 9—83860
Gennaro, S.De *see* De Gennaro, S.
Gennes, P.-G.de *see* de Gennes, P.-G.
Gennes, P.G.de *see* de Gennes, P.G.
Gennes, P.G.De *see* De Gennes, P.G.
Gennow, H. *see* Bakken, V. 9—63549
Gennow, H. *see* Fry, J.R. 9—54366
Genov, P.G. *see* Khristanov, H.A. 9—79666
Gensane, M., Santon, F. Prediction of sound fields in rooms of arbitrary shape: validity of the image sources method 9—81632
Gensch, U. *see* Cochet, C. 9—80854
Gensch, U. *see* Givernaud, A. 9—58982
Gensler, W. Electrochemical healing similarities between animals and plants 9—92316
Gent, A.N., Pulford, C.T.R. Wear of metal by rubber 9—66173
Gent, A.N. *see* Eib, N.K. 9—69375
Genta, G. *see* Belingardi, G. 9—90127
Gentaz, C. *see* Parodi, M. 9—70050
Genter, C.R., II *see* Cabot, R.C. 9—68517
Gentieu, E.P., Feldman, P.D., Meier, R.R. Spectroscopy of the extreme ultraviolet dayglow at 6.5 Å resolution: atomic and ionic emissions between 530 and 1240 Å 9—70904
Gentil, S. A discrete model for the study of a lake 9—96767
Gentile, S. *see* Read, A.L. 9—49510
Gentilini, A., Maisonnier, C., Rager, J.P. On neutron-production mechanisms in a dense plasma focus 9—90435
Gentle, K.W., Bengtson, R., Jancarik, J., Kochanski, T., Patterson, D., Phillips, P., Stinnett, R. Effects of turbulent heating in the Texas turbulent torus 9—90442
Gentry, J.W., Shen, P., Spurny, K. The collection efficiency of an inclined tubular elutriator for spherical particles 9—90354
Gentry, W.R. *see* Bearman, G.H. 9—91911
Gentry, W.R. *see* Ringer, G. 9—100348
Gentsu, A., Fujitani, K. Effect of mean stress on low-cycle torsional fatigue life of piano wires 9—96114
Genty, C. *see* Chardon, J.C. 9—49299, 9—81247
Genuchten, M.T.van *see* van Genuchten, M.T.
Geny, F., Monnerie, L. Simulation of the Brownian motion of macromolecular chains. I. Local motions and chain conformations 9—86098
Geny, F., Monnerie, L. Simulation of the Brownian motion of macromolecular chains. II. Chain dynamics 9—86099
Geny, F., Monnerie, L. Simulation of coordinated motions in macromolecular chains 9—86721
Genz, H., Hoffmann, D.H.H., Low, W., Richter, A. L-shell ionization by relativistic electrons and energy dependence of the $L\beta/L\alpha$ branching ratio 9—98228
Genz, H. *see* Gampp, W. 9—75754
Genz, H. *see* Wastyn, P. 9—59084
Genzel, R., Moran, J.M., Lane, A.P., Predmore, C.R., Ho, P.T.P., Hansen, S.S., Reid, M.J. VLBI observations of the SiO maser in Orion 9—92836
Geoff, R.F.D.Porter *see* Porter Geoff, R.F.D.
Geoffroy, A. *see* Busse, W. 9—78743
Geoffroy, M., Kispert, L.D., Hwang, J.S. An ESR, ENDOR, and ELDOR study of tunneling rotation of a hindered methyl group in X-irradiated 2,2,5-trimethyl-1,3-dioxane-4,6-dione crystals 9—68328
Geoffroy, M. *see* Berclaz, T. 9—56611
Geoola, F. *see* Alizadeh, S. 9—87974
Georg, E.B., Plastinin, Yu.A., Sipachev, G.F., Yakushin, M.I. Radiation parameters of an air flow heated in an electrodeless high-frequency plasma generator 9—68952
Georgalas, C.G., Papargyropoulos, P.H. Possible structure of the Pomeron and its effects on one-particle inclusive cross sections in the central region 9—89210
Georgantopoulos, G.A. Free convection effects on the oscillatory flow in the Stokes's problem past an infinite porous vertical limiting surface with constant suction. I 9—92751
Georgantopoulos, G.A., Douskos, C.N., Katsiaris, G.A. Effects of the hydromagnetic free convection of the oscillatory flow of a viscous incompressible fluid past a porous limiting surface 9—81985
Georgantopoulos, G.A., Douskos, C.N., Vassios, G.L., Katsiaris, G.A. The velocity field in hydromagnetic oscillatory flow past an impulsive started porous limiting surface with variable suction 9—86518
George, A. Measurements of the dislocation velocities in silicon 9—82230
George, A., Champier, G. Velocities of screw and 60° dislocations in n- and p-type silicon 9—86798
George, A.C. *see* Guggenheim, S.F. 9—67962
George, A.J., Jr. *see* Todd, W.J. 9—92116
George, C. *see* Lowrey, A.H. 9—59572
George, E.P., Okamoto, K., Nakamura, Y., Hamada, T. Quantum theory of energy loss by test ions to plasma electrons 9—94804
George, E.V. *see* Ewing, J.J. 9—59757
George, F.St. *see* St. George, F.
George, J., Premachandran, S.K. Growth and perfection of phthalic anhydride single crystals 9—78869
George, J. *see* Sage, K.A. 9—81606
George, K., Nunez, A., Kreider, J. Solar energy training seminars in the developing world—the Jamaican experience 9—57395
George, K.C. *see* McNally, N.J. 9—88116
George, M. *see* Clarke, P.H. 9—58688
George, O., Nethken, R. Moire device for measuring flatness 9—93209
George, P., Bock, C.W., Trachtman, M. Contributions from inner and outer shell electron energies to reaction heats for C_1, C_2 and C_3 hydrocarbons 9—66331
George, R.Y. *see* Emiliana, C. 9—62524
George, S. *see* Rackow, B. 9—88915
George, T.F. Overview of laser applications to chemistry 9—58800
George, T.F. *see* Bellum, J.C. 9—76497
George, T.F. *see* Devries, P.L. 9—59538, 9—94058, 9—98190
George, T.F. *see* Lee, H.W. 9—65965, 9—69941
George, T.F. *see* Lin, J.-t. 9—99407
George, W.K., Jr., Capp, S.P. A theory of natural convection turbulent boundary layers next to heated vertical surfaces 9—68684
Georgelin, Y. *see* Dubois-Violette, M. 9—49379
Georgelin, Y. *see* Stalio, R. 9—101146
Georgeoni, P. Ternary sintering diagram on superstoichiometric uranium dioxide 9—59234
Georgeoni, P. Sintering diagram for stoichiometric uranium dioxide 9—87602
Georges, A.T., Lambropoulos, P., Zoller, P. Saturation and Stark splitting of resonant transitions in strong chaotic fields of arbitrary bandwidth 9—72542
Georges, A.T. *see* Diels, J.-C. 9—72627
Georges, J.M., Martin, J.M., Mathia, T., Kapsa, PH., Meille, G., Montes, H. Mechanism of boundary lubrication with zinc dithiophosphate 9—79120
Georges-Gibert, H. *see* Brand, R.A. 9—61054
Georgescu, S., Totia, H., Domsa, F., Lupei, V. Phase spectroscopy: an improvement to the chronospectroscopic method 9—54199
Georgi, H. A modest proposal for eliminating the gauge hierarchy problem in unified theories 9—75707
Georgi, H. Towards a grand unified theory of flavor 9—89102
Georgi, H., Jarlskog, C. A new lepton-quark mass relation in a unified theory 9—97560
Georgi, H., Nanopoulos, D.V. t-quark mass in a super-unified theory 9—49439
Georgi, H., Nanopoulos, D.V. Ordinary predictions from grand principles: t-quark mass in O(10) 9—75708
Georgi, H., Pais, A. Generalization of the Glashow-Iliopoulos-Maiani mechanism: horizontal and vertical flavor mixing 9—67512
Georgi, H., Sheiman, J. Transverse-momentum distributions in lepton-hadron scattering from quantum chromodynamics 9—89163
Georgi, H. *see* Dawson, S. 9—97556
Georgi, H. *see* Ellis, R.K. 9—58927
Georgiev, G.T. *see* Grozdanov, M.I. 9—63188
Georgiev, G.V. *see* Donev, D.I. 9—96536
Georgiev, J., Petchenjakov, I., Dimova, V., Jatchkov, N. Influence of chromium and manganese on the solubility of nitrogen in solid iron-chromium-manganese alloys at temperatures above 1000°C 9—65203
Georgiev, K.G., Papkov, O.V. Flight trajectories to Jupiter using the Martian gravitational field 9—62712
Georgiev, L. *see* Kartalev, M.D. 9—75092

Georgiev, M.N., Danilov, T.N., Minaev, V.N., Fedorov, V.N. Effect of the coefficient of load-cycle asymmetry on the kinetics of crack development 9—87710

Georgiev, M.N., Danilov, V.N., Mezhova, N.Ya., Minaev, V.N., Rakhmanov, P.A., Roshchin, S.N., Tyablikov, Yu.E. Effect of temperature on resistance to development of fatigue cracks in St.3sp, 18Gps, and 09G2S steels 9—52375

Georgiev, P.G. *see* Genchev, Zh.D. 9—50187

Georgiev, V.K., Petrov, I.N. Effect of high-temperature treatments in oxidative and inert media on the distribution profiles of uniformly boron-doped silicon 9—69150

Georgieva, I.Ya., Matyushenko, L.A. Influence of the initial state of austenite on the kinetics of two-stage martensitic transformation in Fe-Ni-Mn and Fe-Ni-Mo alloys 9—74151

Georgieva, I.Ya. *see* Gulyaev, A.P. 9—56979

Georgieva, L.G. *see* Prodanov, Ja.D. 9—88019

Georgieva, M.K., Misheva, M.A., Toumbev, G.H. Electronic configuration of ^{160}Dy ion after β-decay of ^{160}Tb in $TbSi_2$ 9—59340

Georgieva, M.K., Misheva, M.A., Tumbev, G.Kh. Positron annihilation in deformed zirconium 9—69900

Georgieva, R.A. *see* Penchev, I.I. 9—78723

Georgievskii, V.P. *see* Malyutin, I.S. 9—98596

Georgii, H.W. Local and regional emissions concentrations in the troposphere 9—52973

Georgii, H.W. *see* Nottrodt, K.H. 9—53004

Georgijevic, V. *see* Holclajtner-Antunovic, I. 9—86640

Georgijevic, V.J. *see* Todorovic, M.S. 9—52856

Georgiou, P. *see* Brebbia, C.A. 9—92941

Georgopoulos, P., Cohen, J.B. Direct methods of analyzing diffuse scattering 9—94845

Georgopoulos, P., Cohen, J.B. Omega-like structural defects in β-NiAl 9—95005

Geotis, S.G. Comparison of reflectivity measurements by radar and by disdrometer 9—53546

Geppert, R., Kuhn, M.H., Piotrowsky, H., Tomaschewski, H. An operational system for personnel authentication using long-term averaged voice spectrum 9—94424

Gera, B.S. *see* Singal, S.P. 9—53428

Gerace, W.J. *see* Lindgren, R.A. 9—63626

Geraci, J.P. *see* Todd, P. 9—62307

Geraci, M.J., Luers, J.K. An evaluation of electrochemical concentration cell sonde measurements of atmospheric ozone 9—70860

Geraerts, A.M., Haarhuis, G.J., Visser, J. Cryopumping by means of a Stirling cryogenerator 9—67331

Geramb, H.V. *see* De Leo, R. 9—89304

Geramb, H.V. *see* De Swiniarski, R. 9—54428

Geramb, H.V.von *see* von Geramb, H.V.

Geramb, H.V.Von *see* Von Geramb, H.V.

Gerand, B., Nowogrocki, G., Guenot, J., Figlarz, M. Structural study of a new hexagonal form of tungsten trioxide 9—99157

Gerard, A. *see* Balestri, B. 9—75794, 9—85530

Gerard, A. *see* Grandjean, F. 9—91324

Gerard, H.M. Principles of surface wave filter design 9—50520

Gerard, H.M. *see* Barnoski, M.K. 9—50445, 9—72720

Gerard, J. *see* Maldy, J. 9—73649

Gerard, J.-C. *see* Cravens, T.E. 9—100991

Gerard, K. *see* Conrad, H. 9—52060

Gerard, N., Belkbir, L., Joly, E. High-accuracy volumetric device for hydrogen sorption kinetic studies 9—56071

Gerardin, C. *see* Stoquert, J.P. 9—93637

Gerashchenko, A.N., Kadla, Z.I. A comparison of calculated and observed integral magnitudes for the globular cluster M13 9—97043

Gerashchenko, O.A., Grishchenko, T.G., Gortyshov, Yu.F., Maratkanov, V.I. A pickup for measuring local heat fluxes of high intensity 9—67296

Gerashchenko, O.A., Iordanishvili, E.K., Gudkin, T.S., Fiskind, E.E., Pogurskaya, Zh.L. Heat-flux transducers based on artificially anisotropic thermoelectric materials 9—93136

Gerashchenko, O.A., Lebedev, D.P., Uvarov, V.V. Studying gas flows with the aid of a temperature-gradient meter 9—86539

Gerasimchuk, A.I., Volkov, S.V., Mazurenko, E.A., Maslov, V.G. CNDO calculation of the electronic structures of nickel, copper, and zinc β-diketonate complexes 9—59358

Gerasimchuk, V.S., Gorobets, Yu.I. Stability of the intermediate state in antiferromagnets in high-frequency magnetic field 9—95591

Gerasimchuk, V.S. *see* Bar'yakhtar, V.G. 9—65694

Gerasimenko, A.N. *see* Ganzhenko, A.S. 9—96740

Gerasimenko, N.I. *see* Vasil'ev, Yu.V. 9—94901

Gerasimenko, N.N., Ivanchenko, V.A., Lebedev, G.P. Phase separation and crystallization in silicon oxide films stabilized by irradiation and heat treatment 9—77931

Gerasimenko, N.N., Kovalevskaya, T.I., Tseitlin, G.M. Investigation of hydrogen capture in ion-bombarded silicon dioxide films by the ATR method 9—95863

Gerasimenko, V.P. *see* Bunin, K.P. 9—52449

Gerasimenko, V.S., Khiminets, O.V., Khiminets, V.V., Turyanitsa, I.D. Vibrational spectra of glasses in the As-S-Br system 9—95780

Gerasimenko, V.S. *see* Golovach, I.I. 9—65901

Gerasimenko, V.S. *see* Luksha, O.V. 9—86712

Gerasimenko, V.S. *see* Puga, P.P. 9—51964

Gerasimenko, V.S. *see* Suslikov, L.M. 9—65862

Gerasimenko, V.V., Ivashchenko, A.I., Molodyan, I.P., Solomonov, A.I. Electrolytic cell for the investigation of optical properties of semiconductors 9—93199

Gerasimov, A.B., Gogotishvili, M.K., Dolidze, N.D., Konovalenko, B.M., Magradze, M.V. Investigation of the 300K annealing stage of germanium irradiated with fast electrons at 77K 9—51155

Gerasimov, A.B., Tsertsvadze, A.A. Mechanism of self-diffusion in Ge and Si 9—90824

Gerasimov, A.P. *see* Abalakov, G.V. 9—81945

Gerasimov, E.N. *see* Khvatov, L.A. 9—79211

Gerasimov, G.Ya. Theory of the relaxation pressure in a dissociating gas 9—81994

Gerasimov, G.Ya. Thermal conductivity of partially ionized hydrogen 9—86562

Gerasimov, I.V., Tokhadze, K.G., Tsybulya, V.I. Installation for investigating processes occurring behind a shock wave front on the basis of infrared absorption 9—70389

Gerasimov, M.V. On mechanisms for shock degassing of planetesimals 9—70973

Gerasimov, M.V., Mukhin, L.M. Interstellar molecules and prebiological evolution 9—92842

Gerasimov, M.V., Mukhin, L.M. On the mechanism of forming the atmospheres of Earth and terrestrial planets during their accretion stage 9—101099

Gerasimov, O.I. IR absorption and a hydrodynamic model of a polar liquid 9—78689

Gerasimov, S.A. *see* Neshpor, Yu.I. 9—62932

Gerasimov, V.A. *see* Antonov, A.S. 9—72558

Gerasimov, V.A. *see* Bokhan, P.A. 9—64213

Gerasimov, V.F., Ketkovich, A.A. Optical fiber endoscope type OD-20E for inspecting internal surfaces 9—79216

Gerasimov, V.I., Biyushkin, V.N., Belichuk, N.I., Belov, N.V. Crystal and molecular structure of the coordination compound of cobalt (III) with diacetylmonoxime thiosemicarbazone 9—90641

Gerasimov, V.I. *see* Anisimov, O.K. 9—54633

Gerasimov, V.I. *see* Biyushkin, V.N. 9—94998

Gerasimov, V.M. Gruneisen coefficient of aluminum 9—65165

Gerasimov, Yu.F. *see* Fofanov, O.N. 9—83427

Gerasimova, N.B. *see* Komolov, S.A. 9—99998

Gerasimova, N.G. High-speed vacuum seals 9—93151

Gerasimova, T.I. *see* Bunin, K.P. 9—52224

Gerasimovich, M.N. *see* Ovechkis, N.S. 9—49323

Gerasimtchuk, V.S., Gorobets, Yu.I. Influence of hypersound on domain walls in ferromagnetics 9—51810

Geras'kin, V.V. *see* Blistanov, A.A. 9—64295, 9—67412

Geras'kin, Yu.V. Use of a potentiometric method of measuring microconcentrations of chloride ions in nuclear power station loop waters 9—85599

Gerassimenko, M. *see* Nolte, J.T. 9—75193

Gerassimenko, M. *see* Petrasso, R.D. 9—75194

Gerasyuta, S.M. Physical spectrum of supersymmetrical string model 9—67523

Gerbaldi, M. IUE: An ultraviolet telescope in space 9—84639

Gerbaux, X., Hadni, A. Applicability of the epitaxial nucleation in submicroscopic holes (ENSH) method to vapour growth: preparation of oriented thin films of naphthalene, durene, benzoic acid and tellurium 9—99443

Gerbaux, X. *see* Vergnat-Grandjean, D. 9—95748

Gerber, H.E. Portable cell for simultaneously measuring the coefficients of light scattering and extinction for ambient aerosols 9—62588

Gerber, J. *see* Goldberg, M.B. 9—76313

Gerber, J. *see* Kumbartzki, G.J. 9—99800

Gerber, J.A., Cornelison, S.G., Burmester, W.L., Sellmyer, D.J. Magnetic properties of the rare-earth glasses $(Re_{65}Fe_{35})_{100-x}B_x$ 9—73693

Gerber, J.A. *see* Gruzalski, G.R. 9—73486

Gerber, J.-P. *see* Braun, H. 9—58969, 9—93450

Gerber, K.A. *see* Hammer, D.A. 9—73019

Gerber, M. *see* Miller, D. 9—49353

Gerber, P.R., Buttiker, M. Stability domain of coherent laser waves 9—50280

Gerber, R.A. *see* Hoffman, J.M. 9—86174

Gerber, R.A. *see* Patterson, E.L. 9—76701

Gerber, R.B. *see* Child, M.S. 9—89741

Gerber, S.B. *see* Loomis, B.A. 9—51162

Gerberich, W.W. *see* Israel, S.J. 9—100272

Gerbi, B. *see* Choi, M.C. 9—62350

Gerbrands, J.J. *see* Reiber, J.H.C. 9—70629

Gerc, V. *see* Grabez, B. 9—93671

Gerchikova, N.S. *see* Parkhomenko, N.A. 9—52442

Gerck, E., Cruz, C.H.B. Eigenvalue translation method for mode calculations 9—71515

Gerdau, E. *see* Hannon, J.P. 9—93267

Gerdes, F., Predel, B. Thermodynamic investigation of the GaSb-InSb, AlSb-GaSb and AlSb-InSb systems 9—77755

Gerdes, F., Predel, B. Thermodynamic properties of molten alloys of the InSb-Bi, GaSb-Bi, and AlSb-Bi systems 9—86892

Gerdin, G. *see* Fang, Q.T. 9—85779

Gerdin, G.A. *see* Miley, G.H. 9—76143

Gerdjikova, M.G. *see* Mishev, D.N. 9—58187

Gerdt, D.W., Moody, M.V., Paterson, J.L. A tunnel-junction relaxation oscillator: application to thermometry 9—85138

Gerdyukov, L.N. *see* de Wolf, E.A. 9—49543

Gerdyukov, L.N. *see* Givernaud, A. 9—75801

Gergan, J. *see* Klootwijk, C. 9—88241

Gergei, A. *see* Aleksandrov, E. 9—93166

Gergel, P.I. *see* Evsyukov, V.N. 9—52573

Gergel', V.A., Suris, R.A. Calculation of the mobility and Hall coefficient for a medium with spherical inhomogeneities 9—69533

Gergely, G. *see* Mojzes, I. 9—95495

Gergely, T.E., Kundu, M.R., Munro, R.H., Poland, A.I. Radio and white-light observations of the 1973 August 21 coronal transient 9—71010

Gergely, T.E. *see* Mirabel, I.F. 9—88747

Gergory, B., Arthur, J., Seidel, G. Measurements of the Fermi surface of $SrTiO_3$:Nb 9—65357

Gerhard, G.C., Selikowitz, S.N. An electrosurgical hazard monitor 9—83882

Gerhardt, H., Matthias, E., Rinneberg, H., Schneider, F., Timmermann, A., Wenz, R., West, P.J. Changes in nuclear mean square charge radii of stable krypton isotopes 9—93504

Gerhardt, K.J., Melnick, W., Ferraro, J.A. Reflex threshold shift in chinchillas following a prolonged exposure to noise 9—100631

Gerhardt, P., Van Karick, G., Puhl, W., Prawits, R., Jaschke, W. Computer-tomography of the hip joint 9—83921

Gerhardt, U. *see* Becker, H. 9—69957

Gerhardts, R., Schlottmann, P. Interacting electron gas in a strong magnetic field. I. Parquet equations in leading logarithmic order 9—90980

Gerhardts, R. *see* Schlottmann, P. 9—90981

Gerhardts, R.R. On the Auger effect in narrow gap semiconductors under high magnetic fields 9—82609

Gerhauser, H. Calculation of the feedback control of plasma position in the TEXTOR vessel and the role of response time behaviour of the control systems 9—98959

Gerhold, D. Numerical solution of an initial value problem in the region of a water wave 9—77155

Gerhold, H.R. *see* Fidecaro, G. 9—85343

Gericke, D., Dietzel, F., Ruster, I. Further progress with oncolysis due to local high frequency hyperthermia, local X-irradiation and apathogenic clostridia 9—100662

Gerig, R. *see* Ecklund, S. 9—76187

Gerig, R.E. A report on the operational reliability of the Fermilab main ring magnets 9—72044

Gerikhanov, A.K. *see* Pilyankevich, A.N. 9—52374

Gerilovsky, L., Gydikov, A., Kosarov, D., Radicheva, N. Stimulated myoelectric activity from close lying and remote muscles 9—79501

Geris, J. *see* Barshay, S. 9—71654

Gerischer, H. Solar photoelectrolysis with semiconductor electrodes 9—74533

Gerischer, H. *see* Gobrecht, J. 9—66411, 9—66412

Gerke, C. *see* Berger, C. 9—49519

Gerke, H. *see* Bothe, W. 9—68000

Gerken, G.M. Central denervation hypersensitivity in the auditory system of the cat 9—96575

Gerkin, R.E., Rogers, W.J. A high-precision electron paramagnetic resonance study of Gd^{3+} in single crystals of the lanthanide ethyl sulfate nonahydrates near room temperature 9—69717

Gerko, V.I., Popov, L.S., Alfimov, M.V., Bardamova, M.I., Trotsenko, Z.P., Kotlyarevskii, I.L. Spectral characteristics of acetylene hydrocarbons containing a carbonyl group 9—54865

Gerko, V.I. *see* Popov, L.S. 9—54842

Gerl, M. *see* Bruson, A. 9—95196

Gerlach, A.A. Impact of the ocean acoustic transfer function on the coherence of undersea propagations 9—59861

Gerlach, E. Scattering of charge-carriers by dislocations 9—82583

Gerlach, E., Kluttig, H. Electron scattering by a layer of dislocation lines in a semiconductor 9—78091

Gerlach, E., Paier, K. Dynamical electron scattering by a layer structure. Geometrical resonances 9—56212

Gerlach, U.H., Sengupta, U.K. Gauge-invariant perturbations on most general spherically symmetric space-times 9—71322

Gerlakh, N.I., Zueva, N.M., Solov'ev, L.S. Linear theory of a helical MHD instability 9—94729

Gerland, M. *see* Woirgard, J. 9—74191, 9—77677

Gerlich, D., Kennedy, G.C. The elastic moduli and their pressure derivatives for tungsten carbide with different amounts of cobalt binder 9—83248

Gerlich, D., Kennedy, G.C. Second pressure derivatives of the elastic moduli of copper 9—96058

Gerlich, G., Kagermann, H., Richter, E.W. Anomalous plasma diffusion across a strong magnetic field 9—72994
Gerling, U., Pool, M.J., Predel, B. On the thermodynamic properties of liquid silver-zinc alloys 9—87615
Gerloff, M., Russegger, P., Brickmann, J. On the coupling of vibronic states in NO_2 9—72226
Germain, G. *see* Declercq, J.P. 9—73062
Germain, J.P. *see* Barbarin, F. 9—55874, 9—91297
Germain, P. *see* Hervieu, M. 9—65049
German, A.L. *see* van der Meer, R. 9—91950
German, E.D. Intramolecular intervalence charge transfer in bimolecular mixed-valance complexes of metals 9—76405
German, K.R. Diffraction grating tuners for CW lasers 9—86183
German, M.F. *see* Azhogin, F.F. 9—57174
German, R.M. Some sources of activation energy errors in sintering experiments 9—95958
German, R.M. Surface area reduction kinetics during multiple mechanism sintering 9—100074
German, R.M., Ham, V. Observations on the compaction of binary thermite powder mixtures 9—74125
German, V.N. *see* Ryzhanskii, V.A. 9—52200
Germanishkis, B.M., Ignatavichyus, M.V., Piskaraskas, A.S. Dynamics of stimulated Raman scattering of a picosecond pulse crane [sic] 9—64286
Germano, D.J., Butera, R.A. EPR investigation of LaH_x at varying hydrogen composition ($2.30<x<2.89$) 9—78513
Germano, F.A. *see* Catlow, C.R.A. 9—60547
Germanyuk, N.V. *see* Gurevich, Yu.G. 9—52168
Germer, R. X-ray flash techniques 9—49356
Germer, R. Shock-waves and compression rings 9—81921
Germer, R. *see* Blumich, B.P. 9—72679
Germer, R. *see* Luhrs, O. 9—82001
Germinario, G. *see* Cutts, D. 9—85346
Germond, J.-F., Wilkin, C. Coulomb effects in inelastic pion-nucleus scattering 9—76025
Gerner, E.W. *see* Miller, R.C. 9—57716
Gerola, H. *see* Buff, J. 9—75088
Geronimo, J.S. Szego's theorem for Hankel determinants 9—49106
Geronimus, Ya.L. Some methods of generating focusing fields 9—64164
Gerrard, D. Ultrasonic flowmetering has come of age 9—50832
Gerratt, J. *see* Shalom, A. 9—72380
Gerrits, H.J.M. *see* MacKay, D.M. 9—100620
Gerry, D.J. *see* Horowitz, S.J. 9—71436
Gerry, M.C.L., Yamada, K., Winnewisser, G. Microwave spectra of molecules of astrophysical interest. XIV. Vinyl cyanide (acrylonitrile) 9—59445
Gerry, M.C.L. *see* Kagann, R.H. 9—54845
Gersch, H.A. Effective mass of self-trapped electrons in gases 9—60090
Gersch, H.A. Another derivation of the quantum virial theorem 9—71193
Gersch, W. Automatic classification of electroencephalograms: a Kullback Leibler nearest neighbor approach 9—83975
Gerschel, C. *see* Tricoire, H. 9—54448
Gershbein, E.A., Sukhodol'skaya, E.Ya., Sukhodol'skii, S.L., Tirskii, G.A. Motion of bodies in the Jovian atmosphere, allowing for variation in their mass and shape due to aerodynamic heating 9—84630
Gershberg, R.E. Stellar magnetism: some observable, expected and suggested effects of magnetic field in eruptive variables 9—62845
Gershenson, E.M. *see* Aleksandrov, V.N. 9—95451
Gershenzon, E.M., Gol'tsman, G.N., Elant'ev, A.I. Energy spectrum of shallow donors and acceptors in germanium and the effect of a magnetic field on it 9—82624
Gershenzon, E.M., Gol'tsman, G.N., Orlov, L.A. Population of excited states of shallow impurities in germanium 9—82625
Gershenzon, E.M., Goltsman, G.N., Ptitsina, N.G. Population and lifetime of the excited states of shallow impurities in Ge 9—51532
Gershenzon, E.M. *see* Bannaya, V.F. 9—91069
Gershenzon, E.M. *see* Blagosklonskaya, L.E. 9—82634
Gershenzon, S.M., Borisov, Yu.S., Razikov, M.I., Boronenkov, V.N. The interaction of self-fluxing nickel alloys with oxygen 9—61774
Gershfeld, N.L., Tajima, K. Spontaneous formation of lecithin bilayers at the air-water surface 9—74603
Gershikov, A.G. *see* Spiridonov, V.P. 9—86066
Gershman, B.N., Zhmur, L.E. Effect of gravity on formation conditions of certain instabilities in the ionospheric F region 9—96858
Gershman, M.D., Nagaev, R.F. The problem of the vibrational brachistrone 9—67161
Gershtein, S.S. On the probability of excitation of high-spin states in the capture of π^--mesons by nuclei 9—49570
Gershun, V.V. *see* Galaktionova, N.M. 9—63317
Gershunov, E.M. *see* Azhogin, F.F. 9—57174
Gershuny, E.J. *see* Gough, M.P. 9—70934
Gerson, R. *see* Cooper, C.M. 9—82693
Gerson, S.A. *see* Burgov, N.A. 9—97710
Gerstbach, G. Geophysical interpretation of vertical deflections in fracture zones 9—84087
Gerstein, B.C. *see* Murphy, P.D. 9—69731
Gersten, A., Malin, S. Treatment of divergent expansions in scattering theory 9—67485
Gersten, J.I. *see* Birke, R.L. 9—73926
Gersten, J.L., Birke, R.L., Lombardi, J.R. Theory of enhanced light scattering from molecules adsorbed at the metal-solution interface 9—82989
Gersten, K. *see* Beese, E. 9—50701
Gersten, S.W. *see* Cheng, K. 9—74380
Gerstenberg, K.W. *see* Epperson, J.E. 9—82127
Gerstenberger, R. *see* Flerov, G.N. 9—96781
Gerstenecker, C. Instrumental improvements on a LaCoste-Romberg model G-gravimeter for μGal measurements 9—92606
Gerstenecker, C. *see* Groten, E. 9—79788
Gerstenhauer, E., Bauer, G., Grosse, P., Doukhan, J.C. Influence of dislocations on the cyclotron resonance absorption in tellurium 9—78526
Gerstenkorn, S., Luc, P. Absolute iodine (I_2) standards measured by means of Fourier transform spectroscopy 9—75622
Gerstenkorn, S., Luc, P. Assignments of several groups of iodine (I_2) lines in the B-X system 9—94007
Gerstl, S.A.W. *see* Dubi, A. 9—59283
Gerth, E. On the analytical treatment of blackening curves. III. The reaction tensors of the photographic process 9—83481
Gerthsen, P. *see* Janitzki, A.S. 9—100094
Gertz, E.W. *see* Mitchell, R. 9—70627
Gervais, F., Baumard, J.F. Infrared dispersion of niobium dioxide 9—65854
Gervais, F. *see* Luspin, Y. 9—95750
Gervais, F. *see* Servoin, J.L. 9—87407
Gervais, J. *see* Oualid, J. 9—78163
Gervais, J.L., Jaekel, M.T., Neveu, A. Hadronic and supersymmetric string states in chromodynamics 9—75724
Gervais, J.L., Neveu, A. Local harmonicity of the Wilson loop integral in classical Yang-Mills theory 9—75684
Gervais, R., Pager, J. Combined modulating effects of the general arousal and the specific hunger arousal on the olfactory bulb responses in the rat 9—79565
Gervaise, J. *see* Adams, J.B. 9—68064
Gerven, L.van *see* van Gerven, L.
Gerver, M.J. 'Convective' loss-cone instability is absolute 9—64900
Gerver, M.J. High-frequency convective loss-cone instability in short mirror machines 9—90401
Gerver, M.J., Sudan, R.N. Beam-driven instabilities in a field-reversed ion layer 9—64893
Gervids, V.I. *see* Abramov, V.A. 9—68908
Gerward, L. Investigations of the energy flow of X-ray wavefields in crystals 9—50933
Gerward, L., Thuesen, G., Stibius Jensen, M., Alstrup, I. X-ray anomalous scattering factors for silicon and germanium 9—99980
Gerward, L. *see* Szpunar, J. 9—87818
Gerweck, L.E. *see* Epp, E.R. 9—53194
Gerwer, A. *see* Rescigno, T.N. 9—98163
Gerwin, H., Scherer, W. A diffusion theory simulation method for the treatment of the upper cavity in the pebble-bed HTR 9—93713
Gerwin, R.A. *see* Krakowski, R.A. 9—76119
Gerzberg, L. *see* Gibbons, J.F. 9—73182
Ges', A.P. *see* Falileev, G.N. 9—51775
Geschonke, G. *see* Nolte, E. 9—72004
Geschwind, S., Romestain, R., Devlin, G. The study of electron dynamics in CdS by spin flip Raman scattering (SFRS) 9—95789
Geschwind, S. *see* Walstedt, R.E. 9—78367
Gesell, T.F. *see* De Planque, G. 9—63817
Geselowitz, D.B. Magnetocardiography: an overview 9—92246
Geselowitz, D.B. *see* Ripley, K.L. 9—62391
Geshev, P.I. Influence of heat conduction of the wall on the turbulent Prandtl number in the viscous sublayer 9—94616
Gesi, K. *see* Iizumi, M. 9—95713
Gesmundo, F. Mechanism of the simultaneous formation of oxide and sulfide at the scale surface during the oxidation of a pure metal in mixed atmospheres 9—61788
Gessinger, G., Buxbaum, C. The influence of platinum metal on the work function of lanthanum cathodes 9—74048
Gessinger, G.H., Corti, C.W., Cooper, P.D. Damping of high temperature materials 9—74195
Gessler, A.M., Hess, W.M., Medalia, A.I. Reinforcement of elastomers with carbon black. IV. Interaction between carbon black and polymer 9—83171
Gesztesy, F., Pittner, L. Diffraction of nonrelativistic electron waves by a cylindrical capacitor 9—72473
Geszti-Harkner, O. *see* Barna, A. 9—56993
Getalov, A.L. *see* Barsov, S.G. 9—87370
Gether, J., Seip, H.M. Analysis of air pollution data by the combined use of interactive graphic presentation and a clustering technique 9—83656
Getling, A.V. *see* Pinskaya, G.I. 9—68826
Get'man, V.A., Gorbenko, V.C., Grushin, V.F., Derkach, A.Ya., Zhebrovskii, Yu.V., Karnaukhov, I.M., Kilesnikov, L.Ya., Kyz'menko, V.S., Lukhanin, A.A., Ranyuk, Yu.N., Rubashkin, A.L., Sanin, V.M., Sorokin, P.V., Sporov, E.A., Telegin, Yu.N. Asymmetry of the cross section of photoproduction of positive pions by polarized protons at photon energy 340 MeV 9—63487
Get'man, V.A., Gorbenko, V.G., Grushin, V.F., Derkaya, A.Ya., Zhebrovskii, Yu.V., Karnaukhov, I.M., Kolesnikov, L.Ya., Lukhanin, A.A., Rubashkin, A.L., Sanin, V.M., Sorokin, P.V., Sporov, E.A., Telegin, Yu.N. The reaction $\gamma p \rightarrow n\pi^+$ with polarized protons and photons at energy E_γ=340 MeV 9—89170
Getmanets, V.F. *see* Verkin, B.I. 9—59902, 9—59903
Get'mans'kii, A.P. *see* Kulesko, N.A. 9—76979
Getmantsev, G.G. *see* Belikovich, V.V. 9—75074
Getmantseva, T.N., Raevskii, S.B. Complex waves in a circular dielectric waveguide 9—81337
Getsov, L.B. Strain resistance of heat-resisting alloys under complex loading program conditions 9—57073
Getsov, L.B. Kinetic equations of failure in complex programs of cyclic loading 9—64592
Getsov, L.B., Gorskii, S.V., Kononov, K.M., Rebyakov, Yu.N. Special features of cyclic deformation of heat-resistant materials at elevated temperatures 9—66125
Getsov, L.B., Kabelevskii, M.G. The question of theories of plasticity and creep in cyclic nonisothermal loading 9—57077
Gettner, M.W. *see* Blanar, G.J. 9—93473
Getts, K., Mikhailov, Yu.A., Pikuz, S.A., Sklizkov, G.V., Faenov, A.Ya., Fedotov, S.I., Ferster, E., Tsaumzail, P. Use of high-quality crystals for X-ray spectroscopic diagnostics of a laser plasma 9—68953
Gettys, W.L. *see* Stevens, J.G. 9—87368
Getz, R.R. Dew-monitoring network in the southeast 9—66818
Geui-mu Ye *see* Ye Geui-mu
Geurst, J.A. Mutual friction in the laminar flow of superfluid helium II through capillary tubes 9—55949
Geurst, J.A. *see* Haeringen, W. 9—93150
Geurst, J.A. *see* Van Haeringen, W. 9—97394
Geurts, H. *see* Weyland, A. 9—55947
Gever, E.H., Hopp, U., Kiehl, M., Witzigmann, S. A comparison of the star density distribution of 'red' and 'blue' globular clusters of the Large Magellanic Cloud 9—92811
Gevers, A., Poulis, N.J., Khan, H.R., Raub, Ch.J. Nuclear spin-lattice relaxation and superconductivity in $V_{(1-x)}Ga_x$ compounds 9—56387
Gevers, R. Kinematical theory of electron diffraction 9—68980
Gevers, R. *see* Amelinckx, S. *(editor)* 9—67439, 9—67441
Gevins, A.S., Zeitlin, G.M., Doyle, J.C., Yingling, C.D., Schaffer, R.E., Calloway, E., Yeager, C.L. Electroencephalogram correlates of higher cortical functions 9—100591
Gevorgyan, L.A., Korkhmazyan, N.A. Undulatory radiation in dispersive media 9—59624
Gevorkyan, L.B. *see* Antonov, V.M. 9—64929
Gevorkyan, S.D. *see* Pogosyan, Ya.M. 9—61193
Gevorkyan, S.R., Zhamkochyan, V.M. On the A dependence in leptonic pair production on nuclei at high energies 9—49562
Geweniger, C. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Geweniger, C. *see* Groot, J.G.H. 9—93395
Gewin, R.J. *see* Denman, O.S. 9—52893
Geyer, A. *see* Schmialek, P. 9—70723
Geyer, B., Robashik, D., Wieczorek, E. Theory of deep inelastic lepton-hadron scattering 9—58965
Geyer, F.F., Fan, H.Y. Generation of far-infrared radiation by frequency mixing in insulating GaAs 9—50347
Geyer, H. *see* Doss, E. 9—83604
Geyer, W. The light beam oscillograph, a modern measuring instrument 9—93119
Geyling, F.T. *see* Nagel, S.R. 9—52123
Gfeller, F.R., Bapst, U. Optical-fibre tap with low insertion loss 9—76826
Ghaleb, D. *see* Durham, P.J. 9—83059
Ghali, E., Subrahmanyam, D.V., Legault, J., Tremblay, R. Dissolution behaviour of Ni_3S_2 (heazlewoodite) phase in acidic ferric chloride solutions at 25°C 9—95172
Ghali Oudrhiri Safiani El *see* El Ghali Oudrhiri Safiani
Ghaloun, O.A. *see* Rouxel, J. 9—99156
Ghandhi, S.K., Borrego, J.M., Reep, D., Hsu, Y.-S., Pande, K.P. Thin-film GaAs solar cells with grain-boundary edge passivation 9—83592
Ghandhi, S.K., Siviy, R., Borrego, J.M. The growth of tin oxide films at room temperature 9—91592
Ghandhi, S.K. *see* Baliga, B.J. 9—69289
Ghandhi, S.K. *see* Lender, R.J. 9—61973
Ghandhi, S.K. *see* Pande, K. 9—69988
Gharbi, A. *see* Le Duff, Y. 9—99895

Ghatak, A., Mavaddat, R., Hughes, J.L. Focussing of low-power laser beams in inhomogeneous plasmas with linear dielectric constant variation 9—60146

Ghatak, A.K., Hughes, J.L. Propagation of charged particles in laser beams with parabolic intensity profiles with application to isotope separation 9—54984

Ghatak, A.K., Hughes, J.L. Focusing of low power laser beams in inhomogeneous plasma 9—73014

Ghatak, A.K. *see* Hughes, J.L. 9—81514

Ghatak, A.K. *see* Rohra, A. 9—55219

Ghatak, A.K. *see* Sharma, A. 9—90013

Ghatak, A.K. *see* Sodha, M.S. 9—62117

Ghatikar, M.N. *see* Koul, P.N. 9—78789

Ghatpande, M.G. *see* Rangarajan, L.M. 9—81575

Ghauri, M.A. *see* Hogarth, C.A. 9—70033

Ghazaleh, M.G. *see* Rouvaen, J.M. 9—99850

Ghazali, A. *see* Leroux Hugon, P. 9—65385

Ghazi, A., Ramanathan, V., Dickinson, R.E. Acceleration of upper stratospheric radiative damping: observational evidence 9—84368

Ghazy, M.A. *see* Rashed, M.I.I. 9—77078

Ghedini, S. *see* Harmanec, P. 9—53817

Gheorghe, A.V. Risk-sensitive Markovian policies for detection and maintenance of fatigue cracks in pressure vessels 9—54534

Gheorghiu, O.C., Mandache, C.M. On a hydrogen dissociator for maser 9—86637

Gheorghiu, Z. *see* Balagurov, A.M. 9—51923

Ghersetti, S. *see* Giorgianni, S. 9—72309

Ghesquiere, C. *see* Drijard, D. 9—80853, 9—89150, 9—89198

Ghez, R. *see* Small, M.B. 9—99439

Ghezzi, C. *see* Albanese, G. 9—73864

Ghia, G.C. *see* Bragagnoli, F. 9—97782

Ghidalia, W., Tuchendler, J., Magrino, J. Determination of the $\|g\|$ tensor and the exchange parameters of $CoCl_2 6H_2O$ by antiferromagnetic, spin flop and paramagnetic resonances 9—87324

Ghidini, B. *see* Armstrong, T.A. 9—85344

Ghidini, B. *see* Evangelista, C. 9—75788, 9—80843

Ghiggino, K.P., Phillips, D., Sloman, A.W. Nanosecond pulse stretcher 9—67390

Ghiglione, J. *see* Eljuri, E. 9—74459

Ghijsen, W.E.J.M., Van Os, C.H. Ca-stimulated ATPase in brush border and basolateral membranes of rat duodenum with high affinity sites for Ca ions 9—74613

Ghilardotti, G. *see* Castelli, G. 9—97800, 9—97895

Ghirardi, G.C., Omero, C., Weber, T. Quantum vs. classical laws for sequential-decay processes 9—97242

Ghirardi, G.C., Omero, C., Weber, T., Rimini, A. Small-time behaviour of quantum nondecay probability and Zeno's paradox in quantum mechanics 9—97241

Ghista, D.N., Jayaraman, G., Elangovan, A., Bagavathi Perumal, P., Balasubramaniam, K.V. Stress analysis of human femur—a rotational approach 9—79590

Ghista, D.N., Jayaraman, G., Kasturirangan, S., Srinivasan, H. Biomechanical analysis and guidelines for optimal surgical correction of the claw hand 9—92268

Ghista, D.N., Jayaraman, G., Sandler, H. Analysis for the non-invasive determination of arterial properties and for the transcutaneous continuous monitoring of arterial blood pressure 9—53179

Ghista, D.N., Perkash, I., Connell, C., Ray, G. Determination and clinical application of bladder constitutive properties in subjects with spinal cord injury 9—92265

Ghista, D.N. *see* Chandran, K.B. 9—92281

Ghista, D.N. *see* Ray, G. 9—83875, 9—96601

Ghista, D.N. *see* Reul, H. 9—92432

Ghista, D.N. *see* Shimizu, M. 9—92282, 9—92370

Ghita, C. Magnetic dispersion in iron core coils 9—64139

Ghita, C. *see* Baltog, I. 9—56855

Ghita, C. *see* Pirvulescu, C. 9—82990

Ghita, L. *see* Baltog, I. 9—56855

Ghizdeanu, C. *see* Popescu, M. 9—69088

Ghizdeanu, C.G., Filoti, G. The study of the $CoAl_{2-x}Fe_xO_4$ system using Mossbauer spectroscopy 9—78575

Ghodbane, S. *see* Grenier, J.-C. 9—90619

Ghomi, M., Rzepka, E., Taurel, L. Study of initial stages of F-centre aggregation in NaCl by Raman scattering 9—56791

Ghoneim, N.A., El Batal, H.A., Ahmed, A.A., Khalifa, F.A. Crystallization of lithium trisilicate glasses 9—74141

Ghoneim, S. *see* Moan, M. 9—60033

Ghoniem, N.M., Cho, D.D. The simultaneous clustering of point defects during irradiation 9—95000

Ghoniem, N.M., Kulcinski, G.L. The effect of damage rate on void growth in metals 9—73209

Ghoniem, N.M., Kulcinski, G.L. The use of the fully dynamic rate theory to predict void growth in metals 9—73212

Ghoniem, N.M., Kulcinski, G.L. Point defect kinetics in pulsed fusion reactors 9—93827

Ghoniem, N.M. *see* Griesmeyer, J.M. 9—93722

Ghose, D. On the angular dependence of sputtering yield 9—100005

Ghosh, A., Brown, L.D. A simple screen for minimising radiation doses to nursing staff involved in nuclear medicine procedures 9—53259

Ghosh, A., Sen, S.N. Ultrasonic atomization 9—66360

Ghosh, A. *see* Jain, A.C. 9—77068

Ghosh, A. *see* Jain, K.M. 9—65471

Ghosh, A. *see* Kuju, M.K. 9—79121

Ghosh, A. *see* Mallik, B. 9—51573

Ghosh, A.K., Fishman, C., Feng, T. Theoretical efficiency of SnO_2/Si solar cells 9—83598

Ghosh, A.K., Hamilton, C.H. Mechanical behavior and hardening characteristics of a superplastic Ti-6Al-4V alloy 9—83269

Ghosh, A.K., McMahon, T., Rock, E., Wiesmann, H. Optical and electrical properties of evaporated amorphous silicon with hydrogen 9—82694

Ghosh, A.K. *see* Feng, T. 9—52931, 9—96446

Ghosh, A.K. *see* Fishman, C. 9—52936

Ghosh, A.K. *see* Maruska, H.P. 9—74531

Ghosh, A.K. *see* Sen, S.N. 9—78606

Ghosh, A.K. *see* Wiesmann, H. 9—87585

Ghosh, B., Chatterjee, N., Das, A.N., Chatterjee, A. An anomalous electrical property of $CoSiF_6.6H_2O$ near its transition temperature 9—95401

Ghosh, B. *see* Kothiyal, G.P. 9—82647

Ghosh, B.B., Saksena, R.C. Prediction of atmospheric radio noise field strengths for the Indian subcontinent 9—84578

Ghosh, B.B., Saksena, R.C., Malhotra, V.J. Propagation of atmospheric radio noise through sporadic-E layer in the equatorial region 9—84575

Ghosh, C., Varma, B.P. Optical properties of multialkali photocathodes 9—78827

Ghosh, C., Varma, B.P. Optical properties of amorphous and crystalline Sb_2S_3 thin films 9—91518

Ghosh, C., Varma, B.P. Some optical properties of amorphous and crystalline antimony trisulphide thin films 9—95867

Ghosh, D., Mukherjee, R.K. Magnetic studies on low-spin $K_3Mn(CN)_6$ 9—95582

Ghosh, D. *see* Chaudhuri, S. 9—95615

Ghosh, D.C., Naha, S.C., Roy, T. Heisenberg's model revisited to study the angular distribution in inelastic hadron hadron collision at high energy 9—54362

Ghosh, D.C., Naha, S.C., Roy, T. A study of the sphericity in inelastic hadronic reactions at 24 GeV/c with the help of 'principal axis' variables 9—71767

Ghosh, D.C., Naha, S.C., Roy, T. A comparative study of the p-nucleon interaction data at accelerator energies by a Lorentz-invariant method 9—80848

Ghosh, D.C., Naha, S.C., Roy, T. On the sphericity distribution in inelastic hadron-hadron collision at 70 GeV/c 9—80852

Ghosh, D.C., Naha, S.C., Roy, T. Mean charged hadron multiplicities in high energy collisions—a new approach 9—93467

Ghosh, D.K. *see* Jain, S. 9—56136

Ghosh, G. *see* Bhar, G.C. 9—76752

Ghosh, H. Instability zones due to acoustic pulse striking a vortex sheet on a supersonic stream 9—64689

Ghosh, H. *see* Verma, K.M. 9—70207

Ghosh, J., Varma, V.S. Alpha particle scattering in the rigid projectile approximation 9—63685

Ghosh, M. A preliminary report on the crystal structure of α-α'-dipyridil iminodiacetato oxovanadium (IV) 9—69086

Ghosh, M.K. An approach to a self sufficient domestic solar energy units 9—74510

Ghosh, P.K., Shanker, V. Point defects in polycrystalline calcium sulphide 9—61214

Ghosh, P.K., Shanker, V. Cathodoluminescence of point defects in polycrystalline CaS 9—78759

Ghosh, P.K. *see* Hegde, M.S. 9—55561

Ghosh, R. *see* Prechtel, J. 9—82298

Ghosh, R.N. *see* Sen, A.K. 9—67258

Ghosh, S., Basu, A.N., Sengupta, S. An extended deformable shell model for ionic crystals including quadrupolar deformation of the charge cloud 9—99276

Ghosh, S., Grover, P.D. Analysis and development of heat pipe 9—62153

Ghosh, S. *see* Guha, S. 9—56156, 9—56254, 9—65521, 9—69561

Ghosh, S.K. *see* Bera, S.K. 9—56598

Ghosh, S.N., Banerjee, R.S. Interstellar molecules 9—84836

Ghosh, S.N., Bhaskara Rao, P., Paul, A.K., Raina, K. The chemistry of dicalcium silicate mineral 9—69051

Ghosh, S.N., Das Gupta, S.R. M.N. Saha's work on the effect of solar UV radiations on upper atmosphere and subsequent developments 9—53599

Ghosh, S.N., Paul, A.K., Handoo, S.K. Decomposition of $CaCO_3$ and formation of Ca_3SiO_5 9—52651

Ghosh, S.N., Sarkar, P.K. On collision frequency in the F-region 9—53641

Ghosh, S.N., Van Der Linde, J., Verma, R.D. Confirmation of the SiO^+ spectrum 9—59483

Ghosh, S.N. *see* Dixit, S.D. 9—88520

Ghosh, S.N. *see* Prasad, J. 9—82105

Ghosh, T.B. *see* Misra, N.K. 9—99830

Ghoshal, S.K., Sarkar, S.K., Misra, T.N., Kastha, G.S. On the emission and the excitation spectra of some aromatic esters 9—54899

Ghule, H.M. *see* Swami, N.K. 9—57429

Gi-kai Fu *see* Fu Gi-kai

Gia Ngi Pham *see* Pham Gia Ngi

Giacconi, P., Ruffini, R. *(editor)* Physics and Astrophysics of Neutron Stars and Black Holes. Proceedings of the International School of Physics 'Enrico Fermi', Course LXV 9—80334

Giacconi, R., Brandaurdi, G., Briel, U., Epstein, A., Fabricant, D., Feigelson, E., Forman, W., Gorenstein, P., Grindlay, J., Gursky, H., Harnden, F.R., Jr., Henry, J.P., Jones, C., Kellogg, E., Koch, D., Murray, S., Schreier, E., Seward, F., Tananbaum, H., Topka, K., van Speybroeck, L., Holt, S.S., Becker, R.H., Boldt, E.A., Serlemitsos, P.J., Clark, G., Canizares, C., Markert, T., Novick, R., Helfand, D., Long, K. The Einstein (HEAO 2) X-ray Observatory 9—70941

Giachetti, R., Sorace, E. Nonexistence of two-body interacting Lagrangians invariant under independent reparametrizations of each worldline 9—97491

Giacobino, E. *see* Biraben, F. 9—68307

Giacobino, E. *see* Grynberg, G. 9—68308

Giacometti, A. *see* Bouchard, J. 9—85714

Giacomini, S. *see* Maier, G. 9—68595

Giacomo, P.Di *see* Di Giacomo, P.

Giacovazzo, C. A theoretical weighting scheme for tangent-formula development and refinement and Fourier synthesis 9—99027

Giacovazzo, C., Spagna, R., Vickovic, I., Viterbo, D. A probabilistic theory of two-phase semiinvariants of first rank via the method of representation. IV. Practical aspects and applications 9—50921

Giai Nguyen Van *see* Nguyen Van Giai

Giallorenzi, T.G. *see* Lin, S.C. 9—50379

Giallorenzi, T.G. *see* Sheem, S.K. 9—50433, 9—98473

Giallorenzi, T.G. *see* Villarruel, C.A. 9—50428

Giam Hoang The *see* Hoang The Giam

Giambalvo, A. *see* Siemankowski, R.F. 9—96528

Giambiagi, J.J. *see* Bollini, C.G. 9—63362

Giambiagi, M. *see* Esquivel, D.M.S. 9—76360

Giambiagi, M. *see* Segre de Giambiagi, M. 9—89592

Giambiagi, M.S.de *see* de Giambiagi, M.S.

Giambiagi, M.Segre de *see* Segre de Giambiagi, M.

Giammanco, F., Giulietti, A., Vaselli, M., Einaudi, G. An evolution model for laser-produced plasma. Theory and experiment 9—94808

Giammanco, F. *see* Einaudi, G. 9—73022

Giampapa, M.S., Worden, S.P., Gilliam, L.B. The effects of chromospheric activity on metallicity measurements 9—53784

Giampapa, M.S. *see* Cocke, W.J. 9—53919

Giangrande, A. *see* Bartolini, C. 9—67024

Giangrande, A. *see* Viotti, R. 9—71051

Gianik, T. *see* Karagodin, V.P. 9—92165

Gianik, T. *see* Pasechnik, V.I. 9—57602, 9—92164

Gianino, P.D. *see* Bendow, B. 9—72617

Giannatiempo, A., Liberati, G., Sona, P. The $0_1^+ \rightarrow 0^+$ electric monopole transition in ^{112}Cd 9—54406

Giannini, M.M., Ricco, G., Zucchiatti, A. The isospin dependence of the non-local potential 9—93579

Giannoni, C. Clock retardation, absolute space, and special relativity 9—67156

Giannoni, C., Gron, O. Rigidly connected accelerated clocks 9—58487

Giannuzzi, M.A. On the eclipsing binaries of the Ursa Major stream 9—92800

Gianoli, E. *see* Krebs, K. 9—57436

Gianolio, L. *see* Marziano, G.L. 9—88394

Gianturco, F.A., Lamanna, U.T. Vibrational excitation cross sections and $V \rightarrow T$ rate constants in molecular hydrogen 9—50116

Gianturco, F.A., Lamanna, U.T. Internuclear dependence of static polarisability in hydrogen halides 9—89600

Gianturco, F.A., Semprini, E., Stefani, F. Chain length dependence of relaxation energy in K-shell ions of linear alkanes 9—72252

Gianzero, S. *see* Moran, J.H. 9—92611

Giaquinta, P.V. *see* Rovere, M. 9—60258

Giaquinto, S., Marciano, F., Nolfe, G. Alpha increase in puerperium 9—96534

Giardini Guidoni, A. *see* Stefani, G. 9—86072

Giardini-Guidoni, A. *see* Camilloni, R. 9—98236

Giaretta, D. On the non-linear relationships between N(Ca II), N(K I) and N(H) 9—92832

Giaretta, D.L. Polynomial dispersion relations 9—67141

Giaretta, D.L., ter Haar, D. Radiation-driven instabilities in interstellar space 9—53880

Giaretti, A. *see* Demichelis, F. 9—74767

Giarola, A.J. *see* Brosson, P. 9—98395

Giasbeili, H. *see* Manikatov, Ya. 9—100087

Giazotto, A. *see* Bailey, J. 9—59053
Gibb, O.L. *see* Wang, C.P. 9—59714
Gibbard, B.G., Ahrens, L.A., Hartill, D.L., Humphrey, J.W., White, D.H., Berkelman, K., Cassel, D.G., Day, C.T., Harding, D.J., Kilian, T.J., Klinger, J.S., Linnemann, J.T. Cross sections and possible resonances in $p\bar{p}$ electroproduction 9—71756
Gibbings, J.C. The field-plane method for the design of two-dimensional electrostatic fields 9—50185
Gibbon, J. Poles of the Toda lattice 9—75368
Gibbon, J. The interaction of spin waves in liquid He^3 in several dimensions 9—86957
Gibbon, J.D., James, I.N., Moroz, I.M. An example of soliton behaviour in a rotating baroclinic fluid 9—72898
Gibbons, D.F. Polymeric biomedical materials 9—83998
Gibbons, G.W. Cosmological fermion-number non-conservation 9—80381
Gibbons, G.W., Hawking, S.W. Classification of gravitational instanton symmetries 9—63110
Gibbons, G.W., Pope, C.N. The positive action conjecture and asymptotically Euclidean metrics in quantum gravity 9—58611
Gibbons, J.F., Gat, A., Gerzberg, L., Lietoila, A., Regolini, J.L., Sigmon, T.W., Pease, R.F.W., Magee, T.J., Peng, J., Hong, J., Deline, V., Katz, W., Williams, P., Evans, C.A., Jr. Annealing of ion-implanted Si using scanned laser and electron beams 9—73182
Gibbons, J.F., Lee, K.F. CW laser recrystallization of (100)Si on amorphous substrates 9—90894
Gibbons, J.F., Regolini, J.L., Lietoila, A., Sigmon, T.W., Magee, T.J., Peng, J., Hong, J.D., Katz, W., Evans, C.A., Jr. Amorphous-crystalline transition of arsenic-implanted silicon caused by multiple-based ruby laser 9—90555
Gibbons, J.F. *see* Gat, A. 9—78798
Gibbons, J.F. *see* Gold, R.B. 9—73583
Gibbons, J.F. *see* Johnson, N.M. 9—69457, 9—95361
Gibbons, J.F. *see* Lietoila, A. 9—55757
Gibbons, J.F. *see* Regolini, J.L. 9—60391, 9—73185, 9—99225
Gibbons, J.F. *see* Shibata, T. 9—91163
Gibbons, P.C. *see* Slusky, S.E.G. 9—95359
Gibbs, G.H. *see* Donoghue, E. 9—57303
Gibbs, H.M., Gossard, A.C., McCall, S.L., Passner, A., Wiegmann, W., Venkatesan, T.N.C. Saturation of the free exciton resonance in GaAs 9—61454
Gibbs, H.M., Venkatesan, T.N.C., McCall, S.L., Passner, A., Gossard, A.C., Wiegmann, W. Optical modulation by optical tuning of a cavity 9—64314
Gibbs, J. *see* Brown, R.A. 9—74606
Gibbs, J.F. *see* Brabb, E.E. 9—88273
Gibbs, J.H. *see* Donoghue, E. 9—70324
Gibbs, M.M. A simple method for the rapid determination of iron in natural waters 9—84550
Gibbs, P., Hunt, J.L., Poll, J.D. A note on some integrals useful in collision induced absorption 9—81202
Gibbs, R.A. *see* Young, V.Y. 9—89655
Gibbs, W.R. *see* Giebink, D.R. 9—85286
Giber, J., Kazsoki, J., Koblinger, L. Collision cascades and the disturbed zone during sputtering processes (model computation) 9—74037
Gibert, A., Dupuy, J., Thuilleaux, J.-M. The streamer to spark transition in air subjected to DC voltage 9—73053
Giberti, G. *see* Covello, A. 9—67623
Giboni, K.L., Bohm, A., Dibitonto, D., Barone, M., Block, M.M., Campanini, R., Ceradini, F., Eickmeyer, J., Hanna, D., Irion, J., Kernan, A., Ludwig, H., Muller, F., Naroska, B., Navach, F., Nussbaum, M., O'Connor, J., Rubbia, C., Schinzel, D., Seebrunner, H., Staude, A., Tirler, R., Van Dalen, G., Voss, R., Wojslaw, R. Diffractive production of the charmed baryon Λ_c^+ at the CERN ISR 9—89204
Gibson, A.A.V. *see* Fukushima, E. 9—99777
Gibson, A.G., Ward, I.M. Thermal expansion behaviour of hydrostatically extruded linear polyethylene 9—77776
Gibson, A.G. *see* Chandler, C. 9—75411
Gibson, B.C., Ginsberg, D.M. Specific heat of superconducting In-Mn alloys 9—60971
Gibson, B.C., Ginsberg, D.M., Tai, P.C.L. Specific heat of superconducting films of indium and of indium alloyed with magnetic impurities 9—60969
Gibson, B.F. The bound states of $_{\Lambda}{}^{4}He$-$_{\Lambda}{}^{4}H$ 9—75893
Gibson, B.F. Kaon interactions with very light nuclei 9—85563
Gibson, B.F., Lehman, D.R. The $^{4}He_{\Lambda}$-$^{4}H_{\Lambda}$ binding energy difference 9—63622
Gibson, B.R. *see* Larner, K.L. 9—92500
Gibson, C.H. *see* Schmitt, K.F. 9—66701
Gibson, D. *see* Bugg, D.V. 9—67594
Gibson, D. *see* Miley, G. 9—49844
Gibson, D.M., Owen, F.N., Hjellming, R.M. Radio emission from the RS Canum Venaticorum binary RT Lacertae 9—58379
Gibson, E.D. *see* Finnemore, D.K. 9—78280
Gibson, E.K., Jr., Bogard, D.D. Chemical alterations of the Holbrook chondrite resulting from terrestrial weathering 9—71007
Gibson, E.K., Jr. *see* Herzog, G.F. 9—92732
Gibson, F.H., Smith, L.V., Rutledge, A.R., Merritt, J.S. Results submitted to Bureau International des Poids et Mesures (BIPM) for international comparison of 134 Cs activity 9—59292
Gibson, G. *see* Sink, D.A. 9—76142
Gibson, G. *see* Varljen, T.C. 9—85788
Gibson, G.H. *see* Green, M.A. 9—54219
Gibson, I.P., Dore, J.C. Structural studies of tetrachloride liquids. II. Neutron diffraction by vanadium tetrachloride and vanadium oxytrichloride 9—73088
Gibson, J.A.B., Wrixon, A.D. Methods for the calculation of derived working limits for surface contamination by low-toxicity radionuclides 9—66562
Gibson, J.A.B. *see* Boot, S.J. 9—63875
Gibson, J.E., Anno, J.N. Thermal-neutron flux depression in cylindrical UO_2 fuel rods 9—81010
Gibson, J.W. *see* Palik, E.D. 9—77920
Gibson, R. *see* Doyle, W.T. 9—62967
Gibson, R.D., Young, R.W., Cross, M. Pressure gradients generated during the drying of porous shapes 9—68801
Gibson, R.D. *see* Bush, A.W. 9—72782, 9—82428, 9—91805
Gibson, S.P. *see* Albery, W.J. 9—62412
Gibson, W.M. *see* Bourquin, M. 9—71768
Gibson, W.R. *see* Bugg, D.V. 9—67594
Gicheva, S.Ya. *see* Eremeev, V.S. 9—55816
Giclas, H.L., Bulger, J.H., Shao, C.-Y., Birtwhistle, P., Hoffmann, M., Marsden, B.G., Morris, S., Bortle, J.E. Comet Meier (1979i) 9—101118
Gidal, G. *see* Abrams, G.S. 9—89149, 9—89174
Gidal, G. *see* Kass, R.D. 9—93472
Gidalevich, Ye.Ya. Model of the unstressed deceleration of the solar wind 9—53692
Gidas, B. The Glimm-Jaffe-Spencer expansion for the classical boundary conditions and coexistence of phases in the $\lambda\phi_2{}^4$ Euclidean (quantum) field theory 9—54245
Giddens, D.P. *see* Cassanova, R.A. 9—57688
Giddens, D.P. *see* Klemm, F.J. 9—94665
Gido, R.G., Koestel, A. LOCA-generated drop size prediction—a thermal fragmentation model 9—89422
Gido, R.G. *see* Koestel, A. 9—49657
Gido, R.G. *see* Lamkin, D.E. 9—89423
Gido, R.G. *see* Willcutt, G.J.E. 9—49737
Giebink, D.R., Gibbs, W.R., Siciliano, E.R. A study of the two nucleon mechanism for pion production 9—85286
Gieger, B. *see* Jacobs, H. 9—66043
Giehler, M., Pilz, W. Infrared reflection and Raman scattering studies of the vibrational properties and structure of $As_2S_3Ge_x$ glasses 9—78682
Giehler, M., Pilz, W. Major difference in the vibrational spectra and structure of $(As_2S_3)_{1-x}(GeS_2)_x$ and $As_2S_3Ge_x$ glasses 9—91440
Gielerak, R. Mayer equations for Bose field theoretical models 9—71593
Gielerak, R. Thermodynamic limit for correlation functions in $P(\phi_e)_d$ models 9—93271
Gieraltowski, G.F. *see* Cochrane, J. 9—49915
Gierasch, P., Thomas, P., French, R., Veverka, J. Spiral clouds on Mars: A new atmospheric phenomenon 9—75133
Gierman, G. *see* Gellings, P.J. 9—83177, 9—87616
Giertz, H., Vicins, V. Fibre optic system—a promising link 9—55210
Gies, H. *see* Van de Wiel, H.J. 9—88038
Gies, H.P.F. *see* Lewis, B.R. 9—98120
Gies, J.G. *see* Wecker, C. 9—75623
Giese, D.A., Bourne, J.R., Ward, J.W. Syntactic analysis of the electroencephalogram 9—96697
Giese, R. *see* Beretvas, A. 9—89179
Giese, R.F. *see* Asbury, J.G. 9—57407
Giese, R.H. Zodiacal light and local interstellar dust: predictions for an out-of-ecliptic spacecraft 9—92717
Gieseke, J.A. *see* Lee, K.W. 9—50792
Gieseking, F. Measuring radial velocities with an objective prism 9—84681
Gieseking, F., Hoffmann, M., Nelles, B. Photoelectric photometry of the RRs-variable GP And 9—71044
Giesenbauer, J., Jahne, H.-J. Automatic data acquisition and computation of partial discharge long-time tests 9—71432
Giesinger, N. *see* Weber, H.W. 9—56472
Giesler, G.C. *see* Perry, D.G. 9—88923
Giess, E.A., Faktor, M.M., Frank, F.C. The liquidus temperature and growth-dissolution kinetics of garnet liquid phase epitaxy 9—51028
Giessen, B.C., Barrick, J.C., Tanner, L.E. Formation and structure of a new η phase $Ti_2Be_3(O,N)_x$ 9—73151
Giessen, B.C. *see* Kerns, A.J. 9—52747
Giessen, B.C. *see* Mahy, T.X. 9—51052
Giffon, M. *see* Guichon, P.A.M. 9—85375
Gifford, P.R. *see* Bruckenstein, S. 9—92018
Gigineishvili, A.V. *see* Glurdzhidze, L.N. 9—69897
Giginyak, F.F. *see* Lebedev, A.A. 9—91764
Gigli, G. *see* Balducci, G. 9—66334
Giglio, M. *see* Degiorgio, V. 9—55413
Giglioli, G., Angelino, G., Ferrari, P., Gaia, M., Macchi, E. Tetra-chloroethylene Rankine cycle for waste heat recovery from ceramic tunnel kilns 9—52955
Gignac, W.J. *see* Bartell, L.S. 9—68367
Gignoux, C. *see* Gomez-Sal, J.C. 9—99677
Gignoux, D., Givord, D., Givord, F., Lemaire, R. Invar properties in the rare earth-3d transition metal alloys 9—56593
Gignoux, D., Givord, F. Polarised neutron study of $TbCo_2$ 9—73681
Gignoux, D., Givord, F., Perrier de la Bathie, R., Sayetat, F. Magnetic properties and spontaneous distortion in $TbCo_2$ 9—61096
Gigosos, M.A. *see* Mar, S. 9—97439
Gijbels, R. *see* Van Hoye, E. 9—57314, 9—92045
Gijsbers, J.R.M. *see* Dirks, A.G. 9—87019
Gijsbertse, E.A., van de Klundert, L.J.M., van de Braak, H.P., van der Marel, L.C. The determination of surface and bulk properties of type II superconductors 9—61011
Gijsman, H.M. *see* de Waele, A.T.A.M. 9—58703
Gijzeman, O.L.J., Naqvi, K.R. Use of the time evolution operator 9—58476
Gijzeman, O.L.J. *see* Schouten, F.C. 9—99418
Gil, M. A capacitance/resistance meter 9—88946
Gil, M.A., Simon, J.M. Coma compensation in a parabolized Ebert monochromator 9—81526
Gil Sevillano, J., Van Houtte, P., Aernoudt, E. Plastic anisotropy of pearlitic ferrite 9—91772
Gilabert, A., Van Haesendonck, C., Van den Dries, L., Bruynseraede, Y. Temperature dependence of the maximum DC Josephson current in superconducting proximity junctions 9—78271
Gilabert, A. *see* Laheurte, J.P. 9—51387
Gilabert, A. *see* Van den Dries, L. 9—82719
Gilad, P., Nardi, E., Zinamon, Z. High-current-density relativistic electron beams in conical diodes 9—77416
Gilai, D. *see* Burn, K.W. 9—54608
Gilai, D. *see* Greenspan, E. 9—85791
Gilar, O., Kula, J., Novakova, O., Slezak, V. Solution possibilities of instruments for activity measurements of liquids in Czechoslovakia 9—49873
Gilberg, E. On the use of curved slits in the concave grating grazing incidence mounting 9—58858
Gilbert, B. Procedure for symmetric orientation of hot-wire probes 9—68835
Gilbert, B.K. *see* Robb, R.A. 9—66520
Gilbert, B.L. *see* Foreman, K.M. 9—83556
Gilbert, C.D., Wiesel, T.N. Morphology and intracortical projections of functionally characterised neurones in the cat visual cortex 9—74655
Gilbert, D.A. *see* Strutt, P.R. 9—70086
Gilbert, D.W. *see* Fischbach, D.B. 9—69649
Gilbert, E.R., Chin, B.A. In-reactor creep measurements 9—57082
Gilbert, E.R. *see* McSherry, A.J. 9—61680
Gilbert, G.N. Measuring the growth of science. A review of indicators of scientific growth 9—58519
Gilbert, J.A. Differentiation of holographic-moire patterns 9—59951
Gilbert, J.D. *see* Girardeau, M.D. 9—80505
Gilbert, J.F. High energy flash radiography 9—71581
Gilbert, J.F. High energy flash radiography 9—91860
Gilbert, J.S. *see* Koestel, A. 9—49657
Gilbert, M. *see* Vinit, A. 9—69823
Gilbert, P.T. Corrosion resisting properties of 90/10 copper-nickel-iron alloy with particular reference to offshore oil and gas applications 9—96177
Gilbert, R.J., Richels, R.G. The National Uranium Resource Evaluation program: what is it worth? 9—83547
Gilbert, R.M. *see* Mills, J.H. 9—74688
Gilbert, R.W., Farrell, K., Coleman, C.E. Damage structure in zirconium alloys neutron irradiated at 573 to 923K 9—99247
Gilbert, W.S., Lambertson, G.R., Meuser, R.B. Eight-tesla synchrotron dipoles—design alternatives 9—76201
Gilbert, W.S., Lambertson, G.R., Meuser, R.B., Rechen, J.B. ESCAR, tests of superconducting bending magnets at the accelerator site 9—76202
Gilbody, H.B. *see* Hill, J. 9—72386, 9—89764
Gilbody, H.B. *see* McKee, J.D.A. 9—59546
Gilboy, W.B., Mason, P.I., Tout, R.E. Time variations in environmental pollution 9—92107
Gilbreath, W.P., Billman, K.W., Bowen, S.W. Enhanced solar energy options using earth-orbiting mirrors 9—52901
Gilchriese, M.G.D. *see* Benvenuti, A. 9—49508, 9—58951
Gilchrist, A. Concerning general circulation models 9—84418
Gilchrist, A.L. The perception of surface blacks and whites 9—74673

Gilchrist, J.le G. Low temperature dielectric loss due to antioxidants in polyethylene [superconducting cable] 9—99822
Gilchrist, J.LeG. Low-temperature dielectric spectrum of thermally oxidized polyethylene 9—61304
Gilchrist, K.E. Thermal conductivity of oxide deposited on Zircaloy fuel tube material—A continuation of previous work 9—63745
Gilchrist, W.A., Jr., Reyna, E., Coon, J.B. Geometrical structures, bending potentials, and vibrational frequencies ν_1 for $^1A''$ states of HSiBr, HSiCl, and DSiCl 9—59593
Gilchuk, L.P. *see* Tanashchuk, M.P. 9—72483
Gildener, E., Patrascioiu, A. Fermions coupled to instantons in two dimensions 9—67475
Gil'derman, V.K., Zemtsov, V.I., Neuimin, A.D., Pal'guev, S.F., Rutman, D.S., Toropov, Yu.S., Pliner, S.Yu. Electrical conductivity and gas permeability of ceramic coatings produced by the plasma spraying of ZrO_2 powder 9—82478
Gilding, B.H. Stabilization of flows through porous media 9—72944
Giles, G.L. *see* Tai, C. 9—93984
Giles, K. Collision strengths for [Ne V] 9—50138
Giles, M.J. On the modulational instability of electrostatic ion cyclotron waves 9—62643
Giles, M.K. Grating detectability: a method to evaluate aberration effects in visual instruments 9—55073
Giles, P. *see* Melson, K.E. 9—76159
Giles, R., McLerran, L. Static model of the quark potential 9—85273
Giles, R. *see* Blietschau, J. 9—93396
Gileva, N.A. *see* Riznichenko, Yu.V. 9—79783
Gil'fanov, F.Z., Kvasov, E.L., Stolov, A.L. Influence of the substrate temperature on the structure of impurity centers in thin-film crystal phosphors 9—99943
Gilgenbach, R.M., Marshall, T.C., Schlesinger, S.P. Spectral properties of stimulated Raman radiation from an intense relativistic electron beam 9—64163
Gilgenbach, R.M., Marshall, T.C., Schlesinger, S.P. Cyclotron harmonic damping in stimulated Raman scattering from an intense relativistic electron beam 9—68946
Gilham, D. *see* Walker, D. 9—100509
Gilibert, Y., Rigolot, A. Approximate solution of double-lap adhesive-bonded joints by means of asymptotic expansions 9—90191
Giling, L.J. *see* Bloem, J. 9—69991
Giling, L.J. *see* Rijks, H.J. 9—78035, 9—91818
Giling, L.J. *see* van der Putte, P. 9—96166
Giling, L.J. *see* Verheijen, A.W. 9—66054
Gilinskiy, I.A., Popov, V.V. Theory of wave excitation in piezoelectric crystals by narrow metallic electrodes 9—69777
Gill, A.E. A simple model for showing effects of geometry on the ocean tides 9—92546
Gill, A.E. *see* Anderson, D.L.T. 9—70810
Gill, C.W., Lovrekovich, H., Fischer, C.L. Automated differential cell counting of viable cells [blood] 9—74777
Gill, D. *see* Blackmore, E.W. 9—54699
Gill, D. *see* Johnson, R.R. 9—71872
Gill, D.R. *see* Gyles, W. 9—85534
Gill, D.R. *see* Johnson, R.R. 9—97653
Gill, E. *see* Weng, W.T. 9—72062
Gill, G.P. *see* Wilkins, C.W. 9—87590
Gill, H.S., Judy, J.H. Atomic diffusion in amorphous Gd-Fe thin films 9—73346
Gill, R., Geller, K., Farina, J., Cooney, J., Cohen, A. Measurement of atmospheric temperature profiles using Raman lidar 9—100974
Gill, R.J., Atkinson, G.H. Wavelength dependence of HCO formation in the photolysis of acetaldehyde 9—83490
Gill, R.L. *see* Talbert, W.L., Jr. 9—67956
Gill, S.S., Wilson, I.H. Rutherford backscattering analysis of oxide layers formed by ion implantation into single-crystal silicon 9—51141
Gill, W.D. *see* Macklin, J.W. 9—56781
Gillbro, T. *see* Samskog, P.-O. 9—79265
Gille, J. *see* Thomas, J.P. 9—79551
Gilleland, J.R. Doublet III design and construction 9—49847
Gilleland, J.R. Doublet III design and construction [fusion research device] 9—49854
Gillen, K.T. *see* Coggiola, M.J. 9—54801
Gilles, J.-C. *see* Nanot, M. 9—65039
Gilles, J.M. *see* Debras, G. 9—51165
Gillespie, A.R. Observations of the 5C 1-5 survey areas at 1421 MHz 9—84864
Gillespie, C.J. *see* Chapman, J.D. 9—79609
Gillespie, D.J. *see* Barton, S.S. 9—52404
Gillespie, F.C. *see* Strang, R. 9—92349
Gillespie, G.H. Collisional ionization of H and He by fast, low-charge-state ions 9—86056
Gillespie, H.M. *see* Donovan, R.J. 9—53499
Gillespie, J. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Gillespie, J.B. *see* Jennings, S.G. 9—74956
Gillespie, J.R., List, R. Effects of collision-induced breakup on drop size distributions in steady state rainshafts 9—92574
Gillespie, J.R. *see* Kosch, P.C. 9—83827, 9—83828
Gillespie, J.W., Jr. *see* Pipes, R.B. 9—57095
Gillespie, R. *see* Scholz, G.A. 9—65465
Gillespie, R.J. *see* Razavi, F.S. 9—56115
Gillet, V., Klein, A. Supermultiplet mass predictions for exotic nuclei 9—85359
Gillett, F.C. *see* Soifer, B.T. 9—101181
Gillett, F.C. *see* Tokunaga, A.T. 9—84741
Gillett, P.R.C. A study on solar arrays for programmes leading from the extension of Spacelab towards Space Platforms 9—96884
Gillette, D. Tests with a portable wind tunnel for determining wind erosion threshold velocities 9—70826
Gillette, E.L. *see* Fike, J.R. 9—100672
Gillette, J.L., Tokar, J.V., Chang, L.K., Mohr, D. Experimental determination of decay power in EBR-II 9—85652
Gillette, J.L. *see* Singer, R.M. 9—85653
Gilliam, L.B. *see* Giampapa, M.S. 9—53784
Gilliam, O.R. *see* Bossoli, R.B. 9—77597
Gilliam, T.H., Ryan, J.C. The infusion drop-rate calibrator: a functional tester for drop-counting IV administration 9—96705
Gillies, D.C. *see* Koishi, Y. 9—82124
Gillies, R., Spendel, W.U., Ponte Goncalves, A.M. Nanosecond-resolved optically detected magnetic resonance: application to the study of triplet-state spin-lattice relaxation in benzil crystals 9—97409
Gilligan, J. *see* Miley, G. 9—49844
Gilligan, J.G. *see* Miley, G.H. 9—85786
Gilliland, R.L. *see* Faulkner, J. 9—88674
Gillin, M.T. *see* Kline, R.W. 9—88198
Gillis, A. *see* Cushley, R.J. 9—83713
Gillis, J., Mestel, L., Paris, R.B. Magnetic braking during star formation. II 9—58319
Gillis, P.P. *see* Jones, S.E. 9—81737
Gillispie, G.D., Lim, E.C. An energy-gap correlation of internal conversion rates 9—54901
Gillispie, G.D., Lim, E.C. Further results on the triplet-triplet fluorescence of anthracenes 9—59501
Gillman, G.B. Reconstruction accuracy of 2-D emissive intensity contours from a limited number of their 1-D projections 9—77422
Gillman, L.K. *see* McKenzie, J.M. 9—85679
Gillmor, W.R. *see* Alperin, H.A. 9—78314
Gillot, B. Electrical conductivity of aluminium or chromium slightly substituted and slightly oxidized magnetites and the Verwey transition temperature 9—60878
Gillott, L. *see* Cowlam, N. 9—73697
Gillott, L. *see* Lisher, E.J. 9—55701
Gilman, C. John Goodricke and his variable stars 9—49005
Gilman, D., Metzger, A.E., Parker, R.H., Trombka, J.I. The galactic gamma-ray flux in the 0.06-5 MeV range 9—53933
Gilman, F.J., Wise, M.B. The $\Delta I = 1/2$ rule and violation of CP in the six-quark model 9—54323
Gilman, F.M., Lambert, H.E., Lim, J.J. The results of a directed graph and fault tree assessment of a MC&A system 9—85673
Gil'man, I.Ya. *see* Andreeva, A.F. 9—51441, 9—95864
Gilman, J.J. Resistance to shock-front propagation in solids 9—90728
Gilman, P.A. Nonlinear dynamics of Boussinesq convection in a deep rotating spherical shell. II. Effects of temperature boundary conditions 9—64655
Gilman, P.A. Nonlinear dynamics of Boussinesq convection in a deep rotating spherical shell. III. Effects of velocity boundary conditions 9—64656
Gilman, P.A. Model calculations concerning rotation at high solar latitudes and the depth of the solar convection zone 9—101129
Gilman, P.A., Foukal, P.V. Angular velocity gradients in the solar convection zone 9—53787
Gilman, S., Bramhall, P. Electrochemical heaters utilizing aluminum alloy and magnesium anodes 9—61964
Gilman, S. *see* Dirks, D.D. 9—96572
Gilmartin, H., Klein, A., Ching-teh Li Application of Hamilton's principle to the study of the anharmonic oscillator in classical mechanics 9—84896
Gilmartin, T.J., Godwin, R.O., Holzrichter, J.F. Nova the laser fusion scientific feasibility experiment 9—49863
Gilmer, G.H. *see* Tully, J.C. 9—99411
Gilmore, C.M. *see* Imam, M.A. 9—61662
Gilmore, D.J. *see* Arndt, U.W. 9—55610
Gilmore, G. Optical monitoring of southern quasars. I. Data reduction and first results 9—58439
Gilmore, G.R. A least squares spectrum fitting method for the measurement of Ge(Li) gamma-ray peak areas 9—85854
Gilmore, G.R. *see* Duffield, J. 9—88491
Gilmore, P.T. *see* Price, F.P. 9—69271
Gilmore, R. The classical limit of quantum nonspin systems 9—63134
Gilmore, R., Da Hsuan Feng Ground state phase transitions in multilevel extensions of the Lipkin-Meshkov-Glick model 9—85404
Gilmore, R. *see* Agarwal, G.S. 9—59663
Gilmore, R. *see* Narducci, L.M. 9—98435
Gilmore, T., Jr., Park, J. Superselection rules in quantum theory. I. A new proposal for state restriction violation 9—84980
Gilmour, A.E. Ross Ice Shelf sea temperatures 9—88362
Gilmour, D.A., Bonnel, M. Six-minute rainfall intensity data for an exceptionally heavy tropical rainstorm 9—100937
Gilot, J.F. *see* Bosman, M. 9—49627, 9—67581
Gilquin, B. *see* Larher, Y. 9—86994
Gilra, N.K. Disclination dipole of infinitesimal width and straight dislocations 9—51104
Gilra, N.K. Elastic interaction of straight disclinations with dislocations and dilatation centres 9—55740
Gilroy, J.E. *see* Craig, E. 9—97766
Gils, H.J., Rebel, H., Friedman, E., Majka, Z. Fourier-Bessel-analysis of alpha-particle scattering optical potentials and nuclear matter densities 9—97716
Giltrap, J.W. *see* Farren, J. 9—63195
Gilvin, P.J., Mathieson, E., Smith, G. Anode modulation effects in multi-wire chambers 9—76282
Gilyarov, O.N., Zhabotinskii, M.E., Kulikovskii, B.N., Lebedev, V.G., Levkin, L.V., Ral'chenko, V.I. Changes in the active centers in the liquid laser material $(POCl_3+SnCl_4):Nd^{3+}$ in relation to temperature 9—50287
Gilyarov, O.N., Zhabotinskii, M.E., Kulikovskii, B.N., Lebedev, V.G., Levkin, L.V., Ral'chenko, V.I. Changes in the active centers in the liquid laser material $(POCl_3+SnCl_4):Nd^{3+}$ and their relations with the crystallization process 9—50288
Gimanov, V.P., Goganov, D.A., Kos'yankov, A.P., Vazina, A.A., Matyushin, A.M., Shelestov, V.M., Kulipanov, G.N. Use of the semiconductor spectrometer SERP-1 (M) in low angle diffractometry of biological specimens 9—53288
Gimanov, V.P., Goganov, D.A., Voznesenskii, L.I., Ochkur, A.P. Application of a semiconductor spectrometer to the X-ray spectral analysis of ores 9—87902
Gimblett, C.G., Peckover, R.S. On the mutual interaction between rotation and magnetic fields for axisymmetric bodies 9—94130
Gimbutis, G.I., Sapola, V.J., Simkiavicius, V.J. Local heat transfer in crossflow of a liquid film around a cylinder 9—98711
Gimbutis, G.I. *see* Babezha, A.V. 9—94618
Gimel'farb, F.A. *see* Uffmtsev, V.B. 9—87589
Gimel'farb, F.A. *see* Ukhorskaya, T.A. 9—52813
Gimel'farb, F.A. *see* Verner, A.I. 9—52819
Gimpel'son, V.B. *see* Gol'den, A.D. 9—52585
Gimranov, F.M. *see* Zinnatullin, N.Kh. 9—77097
Ginatempo, B. *see* Cubiotti, G. 9—90937
Ginaven, R. *see* Orphan, V. 9—54748
Gindin, I.A., Starodubov, Ya.D., Sokolenko, V.I., Starolat, M.P., V'yuogov, P.N. Variation in the yield stress and electrical resistance of polycrystalline zirconium during low-temperature alternating deformation and annealing 9—74199
Gindler, J. Dependence of neutron yield on fragment mass for several low-energy fissioning systems 9—67787
Gindler, J.E., Glendenin, L.E. Calculated fission product yields for fast-neutron fission of ^{238}U 9—67796
Gindoyan, S.G. *see* Avakyan, R.O. 9—59051
Ginell, W.S. *see* McNichols, J.L. 9—92060
Ginestet, N. *see* Carquillat, J.-M. 9—53854
Ginet, G.L., Lucken, E.A.C. ESR spectra of X-irradiated methylene diphosphonic acid. III. The barrier to rotation of the methylene group in $(OH)_2(O)P\text{-}CH_2$ 9—74409
Ginet, L. *see* Berclaz, T. 9—56611
Ginevskiy, A.S. *see* Vlasov, Ye.V. 9—98681
Gingell, D., Todd, I. Interference reflection microscopy. A quantitative theory for image interpretation and its application to cell-substratum separation measurement 9—80677
Gingerich, K.A. *see* Gupta, S.K. 9—81297
Gingerich, K.A. *see* Kingcade, J.E., Jr. 9—70360
Gingerich, K.A. *see* Miedema, A.R. 9—74411, 9—83497
Gingerich, M.E. *see* Friebele, E.J. 9—50419
Gingold, R.A., Monaghan, J.J. Binary fission in damped rotating polytropes. II 9—71016
Gingold, R.A., Monaghan, J.J. A numerical study of the Roche and Darwin problems for polytropic stars 9—75202
Gingold, R.A., Perrenod, S.C. The evolution of cluster X-ray sources: subcluster collisions 9—53915
Ginibre, J., Velo, G. The classical field limit of scattering theory for non-relativistic many-boson systems. I 9—49103
Ginibre, J., Velo, G. Nonlinear Schrodinger equation with nonlocal interaction 9—63061
Ginibre, J., Velo, G. The classical field limit of scattering theory for non-relativistic many-boson systems. II 9—80501
Ginibre, J., Velo, G. On a class of nonlinear Schrodinger equations. I. The Cauchy problem, general case 9—84994

Ginibre, J., Velo, G. On a class of nonlinear Schrodinger equations. II. Scattering theory, general case 9—84995
Ginier, R., Robin, M.G., Gonnet, B. The thermohydraulics of steam generators 9—63727
Giniger, R. *see* Alfassi, Z.B. 9—94224
Ginley, D.S., Butler, M.A. Flatband potential of cadmium sulfide (CdS) photoanodes and its dependence on surface ion effects 9—62013
Ginley, D.S. *see* Seager, C.H. 9—56158, 9—91559
Ginneken, A.Van *see* Van Ginneken, A.
Ginocchio, J.N. On a generalization of quasispin to monopole and quadrupole pairing 9—80886
Ginodman, V.B., Zherihina, L.N., Inyushkin, A.V. Superconductivity in the PdH system below 1.5K 9—91178
Ginsberg, D.M. *see* Gibson, B.C. 9—60969, 9—60971
Ginsberg, J.H. Finite amplitude two-dimensional waves in a rectangular duct induced by arbitrary periodic excitation 9—72739
Ginsberg, J.H. A new viewpoint for the two-dimensional non-linear acoustic wave radiating from a harmonically vibrating flat plate 9—81597
Ginsberg, J.H. *see* Klahs, J.W., Jr. 9—64504
Ginsberg, T. *see* Greene, G.A. 9—49757, 9—49778
Ginsburg, A.P. *see* Furchner, C.S. 9—53148
Ginsburg, C.A. Method for obtaining formulae for eigenvalue bounds 9—75392
Ginsburg, M.D., Pargamanik, L.E. The quantum-statistical theory of the recombination continuum of optically thin hydrogen plasma 9—77348
Ginstler, Ya., Tsobol, E. Device for high-temperature short-term fatigue tests and some test results with unalloyed boiler steel 9—66233
Ginstler, Ya. *see* Prokhaska, Ya. 9—68542
Ginsztler, J. *see* Ivanova, V.Sz. 9—83293
Ginther, D.L. *see* Abegg, R. 9—80934
Ginzberg, A.V. *see* Tikhomirova, N.A. 9—94899
Ginzburg, A., Makris, J. Gravity and density distribution in the Dead Sea Rift and adjoining areas 9—57893
Ginzburg, A., Makris, J., Fuchs, K., Prodehl, C., Kaminski, W., Amitai, U. A seismic study of the crust and upper mantle of the Jordan-Dead Sea rift and their transition toward the Mediterranean Sea 9—79766
Ginzburg, B.M., Asherov, B.A., Tuichiev, Sh. The effect of the plastic deformation of high-oriented amorphous-crystalline polymers on their supermolecular structure as studied by the X-ray method 9—51010
Ginzburg, E.I. *see* Zadorozhnyy, A.M. 9—53424
Ginzburg, I.F., Panfil, S.L. Comments on the phase transitions in a system of two interacting fields 9—80556
Ginzburg, I.P. *see* Belov, I.A. 9—98774
Ginzburg, M.D., Pargamanik, L.E. Calculation of many-electron atoms energy levels for quantum-statistical theory of the recombination continuum 9—63907
Ginzburg, N.S. *see* Bratman, V.L. 9—60157, 9—98331
Ginzburg, S.L. Theory of ferromagnets containing an admixture of antiferromagnetic bonds 9—87224
Ginzburg, V.L. On superfluid flow induced by crossed electric and magnetic fields 9—55946
Ginzburg, V.L., Slutskin, A.A. On the 'anomalous' behaviour of the quantum oscillations of transport kinetic coefficients in the magnetic breakdown regime 9—91035
Gioia, I.M., Gregorini, L. Studies of polarization of 1.4 GHz of 66 low luminosity radio galaxies 9—71141
Giordano, J., El Alaoui-Bichri, Benoit, C., Almairac, R., Bon, A.M. Infrared spectrum of FeF_2 9—51952
Giordano, M., Lazzareschi, A., Pardi, L., Santucci, S., Veracini, C.A. Spin-probe longitudinal relaxation in a smectic A mesophase 9—94871
Giordano, M., Momo, F., Sotgiu, A. An easily constructed ENDOR cavity 9—80653
Giordano, N. *see* Steiner, M. 9—61067
Giordano, P., Di Leo, S., Canani, S.B., Piana, F. The contribution of Italian industry to the development of reactor components and fuel-handling systems of fast reactors 9—97875
Giorgi, A.L. *see* Stewart, G.R. 9—82356, 9—87190
Giorgi, M. *see* Fidecaro, G. 9—85343
Giorgi, M.A. *see* Bailey, J. 9—59053
Giorgianni, S., Gambi, A., Franco, L., Ghersetti, S. Infrared spectrum and molecular force field of CF_2Cl_2 9—72309
Giorgianni, U., Grasso, V., Mondio, G., Perillo, P., Saitta, G. Optical transitions in the modulated reflectivity spectrum of ion-implanted GaAs 9—73972
Giorgilli, A. A computer program for integrals of motion 9—58239
Giorgilli, A. *see* Benettin, G. 9—54056
Giovanardi, U. *see* Amaldi, E. 9—67217
Giovanelli, F. *see* Bartolini, C. 9—67024
Giovanelli, R., Haynes, M.P. Neutral hydrogen in supernova remnants: IC 443 and the Cygnus Loop 9—71083
Giovanelli, R.G. The lack of chemical separation during the diffusion of gas into solar magnetic tubes 9—75184
Giovanelli, R.G. On radiative dissipation of sinusoidal compressive waves in the chromosphere 9—84770
Giovannini, B., Weiss, L. Relation between the critical current and the order parameter in a Josephson array 9—87197
Giovanoli, F. A comparison of the magnetization of detrital and chemical sediments from Lake Zurich 9—70787
Gippius, E.F., Kolesnikov, V.N. Diagnostics of the nonequilibrium plasma of a high-current pulse discharge in helium 9—64942
Gipson, G.S., Yannitell, D.W., Eaton, H.C. On the electric field distribution within the field ion microscope and near the surface of field emitters 9—75658
Gir, R., Mohan, S., Subhash, G., Subhash, G., Choudhury, M.A. Investigation of crustal structure by the analysis of reverberation periodicities 9—66820
Giral, L. *see* Bernier, P. 9—82859
Giral, L. *see* Devreux, F. 9—82883
Giramonti, A.J., Lessard, R.D., Blecher, W.A., Smith, E.B. Conceptual design of compressed air energy storage electric power systems 9—88006
Giramonti, A.J. *see* Smith, E.B. 9—83638
Girard, A., Besson, J., Giraudet, R., Gramont, L. Correlated seasonal and climatic variations of trace constituents in the stratosphere 9—84433
Girard, A., Chin, S.L., Delisle, C. Penetration depth of 10.6-μm radiation in Plexiglas 9—74010
Girard, A. *see* Besson, J. 9—80202
Girard, A. *see* Cailleau, H. 9—51255
Girard, B., Kunstreich, S. Hydrogen production by KOH-electrolysis at 200°C under pressure and high current density 9—74397
Girard, C. *see* Ansara, I. 9—60512
Girard, F. *see* Mousty, F. 9—85813
Girard, J. *see* Lucas, R. 9—63710
Girard, J.P. *see* Paumier, E. 9—61001
Girard, M. *see* Accensi, A. 9—63239
Girard, M.C. Teledetection for soil moisture surveys 9—96772
Girard, P. *see* Lauzier, J. 9—51150
Girard, S., Leveque, G., Robin, J. Ultraviolet light source study in the 20-100 nm range 9—71537
Girard, T.A., Avignone, F.T., III, Huntsberger, T.L. Absolute pair production cross section measurements in Z=92 at energies near threshold 9—63973
Girardeau, M.D., Gilbert, J.D. Fock-Tani representation for the quantum theory of reactive collisions 9—80505
Girardello, L., Montaldi, E., Zanon, D. Local dynamic charges from asymptotic expansions of partition functions 9—58582
Girardello, L. *see* Ferrara, S. 9—97535
Girardet, C. *see* Maillard, D. 9—89667, 9—93996
Girardi, F. *see* Bresesti, M. 9—85808
Girardi, G. *see* Binetruy, P. 9—63447, 9—75762
Girardin, N., Jacoby, W.R. Rayleigh wave dispersion along Reykjanes Ridge 9—88267
Giraud, A., Petit, M. Ionospheric techniques and phenomena 9—75040
Giraud, B.G., Rowe, D.J. Curvature of the Slater determinant manifold 9—54396
Giraud, G. On the integrability of the Int(g)-structure on a Lie group 9—71221
Giraud, N., Avishai, Y., Fayard, C., Lamot, G.H. Detailed calculations of π-d elastic scattering at medium energies 9—75791
Giraud, N., Lamot, G.H., Fayard, C. Approximate treatment of Coulomb effects in πd elastic scattering at low energy 9—85548
Giraud, N. *see* Avishai, Y. 9—75792
Giraudet, R. *see* Girard, A. 9—84433
Gire, A., Labrune, J.-C., Miller, J.-J., Theobald, J.-G. Calibration of a vacuum gauge by means of attenuation measurements on a molecular beam scattered by a buffer gas 9—58669
Girei, E.I. *see* Lobanov, E.M. 9—70412
Gires, F. *see* Azema, A. 9—72458
Gires, F. *see* Saissy, A. 9—78674
Girgis, K. Crystallographic studies on ternary superconductors of the A15 type: $V_{3-x}Me_xGa$ (Me=Ti, Cr, Mn, Fe, Co, Ni) 9—86740
Girgis, K. *see* Gubser, D.U. 9—60952
Girgorovich, S.L., Lygin, V.I. Investigation of sintering of microporous silicon dioxide films by IR ATR and transmission spectroscopy 9—66031
Giri, M.R. *see* Chalupa, J. 9—51794
Giri, M.R. *see* Morii, Y. 9—60598
Giriat, W. *see* Stankiewicz, J. 9—96440
Girich, B.G. *see* Stafeev, V.I. 9—51664
Giridhar, A., Rao, K.J. High-field behaviour of amorphous As-Se films 9—87172
Giridhar, A. *see* Ramani, G. 9—82592
Girifalco, L.A. *see* Alonso, J.A. 9—73129
Girifalco, L.A. *see* Visnov, R. 9—90991
Girin, O.P. Effect of intermolecular relaxation on the luminescence spectra of solutions under powerful excitation 9—85985
Girlanda, R. *see* Antonangeli, F. 9—65976
Girlanda, R. *see* Doni, E. 9—65376
Girlando, A. *see* Bozio, R. 9—99869
Giro, G., Di Marco, P. Photoemission of electrons from metal electrodes into poly-N-vinylcarbazole 9—91142
Girol', A.P. Calculation of the initial part of a semi-infinite jet on a porous surface 9—77203
Girouard, F.E. *see* Chee, K.T. 9—78767
Giroud d'Argoud, G. *see* Robert, C. 9—84220
Girschweiler, G. Atom culture. How does an atomic power station function? 9—63763
Girschweiler, G. Gigantic TV screens 9—80660
Girshovich, T.A. *see* Voitovich, L.N. 9—94690
Girt, E. Anomalous thermal dilatation of amorphous $Fe_{40}Ni_{40}B_{20}$ 9—55668
Girtler, P., Otter, G., Rudolph, G., Bottcher, H., Nahnhauer, R., Eigiel, J., Morrison, D.R.O., Wernhard, K.L., Barnham, K.W.J., Eason, R.M., Pollock, B., Buschbeck, B., Markytan, M., Mitaroff, W., Macnaughton, J., Rohringer, H. Multiplicity structure of proton and kaon diffractive dissociation in 10 and 16 GeV/c K^-p interactions 9—89197
Girtler, P. *see* Armstrong, T.A. 9—85344
Girvin, S.M., Mahan, G.D. Thermoelectric power in half-filled bands 9—60859
Gishutin, M.M. *see* Grilikhes, V.A. 9—83618
Gisler, G.R., Miley, G.K. 610 MHz observations of the Perseus cluster of galaxies with the Westerbork Synthesis Radio Telescope 9—75283
Gismatullin, Yu.R. On mechanisms of (π, πp) reaction on light nuclei at 60-170-MeV pion energies. Analysis of experiment at 112 MeV 9—97733
Gismatullin, Yu.R., Lantsev, I.A. On mechanism (π,πp) reactions on light nuclei at 60-170 MeV pion energies. Analysis of 60-MeV experiment 9—54461
Gisolfi, A. *see* Caianiello, E.R. 9—84061
Gispert, R. *see* Querci, M. 9—88670
Gispert, R. *see* Serra, G. 9—88742
Gisser, D.G. *see* Lukasiewicz, M. 9—83981
Gissler, W. A desk calculator controlled measuring system for the determination of the differential capacitance of semiconductor-liquid junctions 9—78170
Gissler, W. *see* Curran, J.S. 9—70355
Gitgarts, M.I., Tolstoi, A.V. Volume changes in a copper-beryllium alloy 9—100179
Gitin, V.Ya. *see* Kaplyanskiy, A.A. 9—81475
Gitis, E.I. *see* Vostroknutov, N.N. 9—80564
Gitlovich, A.E. *see* Lazarenko, B.R. 9—83146
Gitman, D.M. *see* Gavrilov, S.P. 9—49434, 9—54288
Gitomer, S.J. A fast Fourier transform technique applied to subnanosecond laser fusion diagnostics 9—71945
Gitsu, D.V., Dolma, V.A., Muntyanu, F.M. Magnetoresistance of $Bi_{1-x}Sb_x$ ($0<x\leq0.2$) alloy wires in high longitudinal fields 9—87113
Gitsu, D.V., Muntyanu, F.M., Onu, M.I., Russu, A.I. Magnetoresistance anisotropy of $Bi_{0.91}Sb_{0.09}$ alloy in strong magnetic field 9—82613
Gitsu, D.V. *see* Bodiul, P.P. 9—82615
Gittings, M.A., Hirst, D.M. Classical trajectory calculations for the reaction $N^+ + H_2 \rightarrow NH^+ + H$ 9—100337
Gittleman, J.I., Sichel, E.K., Arie, Y. Composite semiconductors: selective absorbers of solar energy 9—56876
Gittus, J.H. Theoretical relationship between free energy and dislocation cell diameter during creep 9—91756
Giuliani, G., Tosatti, E., Tosi, M.P. Quasi-one-dimensional excitonic insulator 9—90966
Giuliano, C.R. *see* Lind, R.C. 9—64271
Giuliano, F. *see* Bragagnoli, F. 9—97782
Giulietti, A. *see* Einaudi, G. 9—73022
Giulietti, A. *see* Giammanco, F. 9—94808
Giulio, L. Dynamic aspects of the molecular texture of photoreceptor membranes 9—79519
Giuntini, J.C. *see* Flandrois, S. 9—73122
Giurgea, M. *see* Nasta, L. 9—90542
Giuricin, G., Mardirossian, F., Mezzetti, M., Cester, B. Revised photometric elements of the eclipsing binaries IU Aur and δ Lib 9—101175
Giuricin, G. *see* Cester, B. 9—58371
Giuricin, G. *see* Crivellari, L. 9—58267
Giusti, C. *see* Boffi, S. 9—59054
Giusti, P. *see* Basile, M. 9—76275
Giutronich, J.E., Mills, D.R. Manufacture of curved glass mirrors for linear concentrators 9—62124
Giutronich, J.E. *see* Mills, D.R. 9—55200, 9—62119
Givan, A., Loewenschuss, A. Raman spectra of matrix isolated molecular zinc and cadmium species 9—50024
Givan, A., Loewenschuss, A. Raman and infrared spectra of monomeric $InCl_3$ in krypton matrices 9—89671
Givargizov, E.I. Growth of whiskers by the vapor-liquid-solid mechanism 9—69383
Givens, F.L., Daughton, W.J. On the uniformity of thin films: a new technique applied to polyimides 9—58672

Givernaud, A., Cochet, C., Denegri, D., Mosca, L., Saudraix, J., Blumenfeld, H., Laberrigue, J., Dujardin, C., Skura, J., Windmolders, R., Barth, M., Dumont, J.J., Verbeure, F., Chliapnikov, P.V., Gerdyukov, L.N., Kniazev, V.V., Perevoztchikov, V.M., Tchikilev, O.G., Uvarov, V.A. Non-diffractive two-body channels in reactions $K^+p \rightarrow K^0\pi^+p$ and $K^+p \rightarrow K^+\pi^-\pi^+p$ at 32 GeV/c 9−75801

Givernaud, A., Saudraix, J., Cochet, C., Denegri, D., Lewin, C., Turluer, M.L., Grassler, H., Gensch, U., Nowak, S., Walter, M., Kellner, G., Porth, P., Triantis, F.A., Bumazov, V.A., Patalakha, D.I., Starchenko, E.A., Vlasov, E.V., Markytan, M. Single and double diffractive dissociation in K^-p interactions at 32 GeV/c 9−58982

Givernaud, A. *see* Cochet, C. 9−80854

Givoletti, M. *see* Apel, W.D. 9−58978

Givord, D., Laforest, J., Schweizer, J., Tasset, F. Temperature dependence of the samarium magnetic form factor in $SmCo_5$ 9−78329

Givord, D., Morin, P., Schmitt, D. Unusual form factor in SmZn 9−99684

Givord, D. *see* Fuess, H. 9−78326

Givord, D. *see* Gignoux, D. 9−56593

Givord, F. *see* Gignoux, D. 9−56593, 9−61096, 9−73681

Giwa, F.B.A. On the reliability of iterative solutions for Poisson's type equation 9−96837

Gizatulin, Sh.Kh. *see* Arinkin, F.M. 9−97835

Gizhevskii, B.A. *see* Solin, N.I. 9−69544

Gizon, A. *see* Shoker, I. 9−75813

Gizon, J. *see* Shoker, I. 9−75813

Gjeldum, R.J. *see* Myers, W.J. 9−80077

Gjelsvik, N. Halo over Oslo district 9−84475

Gklatson, J.K. Isotope relations for centrifugal constants of tetrahedral XY_4 molecules 9−59427

Glaberson, W.I. *see* Ahston, R.A. 9−51323

Glaberson, W.I. *see* Yarmchuk, E.J. 9−55966, 9−86946

Glachant, A., Bardi, U. Thermodynamics and kinetics of Xe monolayer adsorption on Cu(100) by LEED and AES 9−99423

Gladchenko, G.O. *see* Blagoi, Yu.P. 9−70514

Gladd, N.T., Huba, J.D. Finite beta effects on the drift-cyclotron instability 9−64856

Gladd, N.T., Liu, C.S. Current-driven drift modes in sheared magnetic field 9−77366

Gladd, N.T. *see* Ng, P.H. 9−68904

Gladding, G. *see* Atiya, M.S. 9−80831

Gladisch, M., Orth, H., zu Putlitz, G., Wahl, W., Wigand, M., Herlach, D., Metz, H., Seeger, A., Teichler, H. Muon spin rotation in superconductors 9−56446

Gladisch, M. *see* Herlach, D. 9−56701

Gladisch, M. *see* Metz, H. 9−56693

Gladkii, V.V., Kirikov, V.A., Magataev, V.K. Piezoelectric effect in NaCl crystals 9−69779

Gladkii, V.V., Shuvalov, L.A. Determination of the monoclinic distortion of the crystal lattice of $RbH_3(SeO_3)_2$ by phase transition from the results of electrical measurements 9−73887

Gladkii, V.V. *see* Rokos, I.A. 9−87396

Gladkii, Ya.N. *see* Romaniv, O.N. 9−52434

Gladkin, V.V., Kallaev, S.N., Kirikov, V.A., Shuvalov, L.A., Izrailenko, A.N. Macroscopic quadrupole moment anomalies in an incommensurable phase of a crystal bounding a nonpolar and a polar phase 9−65808

Gladkov, L.L., Gradyushko, A.T., Ksenofontova, N.M., Solov'ev, K.N., Starukhin, A.S., Shul'ga, A.M. Resonance Raman spectra of metal complexes of porphin and its deutrerium derivatives 9−64010

Gladkov, S.O. Problem of the ground state of the nuclear magnetization of ferromagnets 9−73703

Gladkovskii, I.P., Dyachenko, V.V., Ivanov, V.I., Larionov, M.M., Levin, L.S., Lebedev, A.D., Serebrenyi, G.A., Tokunov, A.I., Shcherbinin, O.N. Experiments on low-hybrid plasma heating in the FT-1 Tokamak using a decelerating system 9−98927

Gladman, D.G. *see* Sims, G.D. 9−87814

Gladney, E.S., Curtis, D.B., Jurney, E.T. Multielement analysis of major and minor elements by thermal neutron induced capture gamma-ray spectrometry 9−52836

Gladney, E.S., Goode, W.E. Preparation of carrier-free ^{47}Sc by the $^{47}Ti(n,p)$ reaction with epithermal neutrons 9−79652

Gladskoi, V.M., Nevolin, V.N., Shpak, L.P., Belousov, V.I. Ion energy distribution in a spark 9−55596

Gladskoi, V.M. *see* Bykovskii, Yu.A. 9−83532

Gladtsin, M.M., Gurov, S.E. Optoelectronic vibration transducer based on a coordinate photodetector 9−75495

Gladush, G.G., Samokhin, A.A. The thermal discharge contraction in a CO_2 laser with fast gas flow 9−99009

Gladush, G.G. *see* Barkalov, A.D. 9−55584

Gladyshev, G.P. *see* Budtov, V.P. 9−62764

Gladyshev, V.M. *see* Naidenova, G.P. 9−57268

Gladyshevskii, E.I., Kotur, B.Ya. Crystal structures of $Sc_3Co_2Si_3$ and Sc_2CoSi_3 9−60343

Gladyshevskii, E.I. *see* Bodak, O.I. 9−52158

Gladyshevskii, E.I. *see* Yarmolyuk, Ya.P. 9−60342

Gladysz, E. *see* Baiburina, S.G. 9−80156, 9−80170

Glaefeke, H. *see* Fitting, H.-J. 9−51702, 9−99994

Glaefeke, H. *see* Rudlof, G. 9−65984

Glagola, B.G. *see* Breuer, H. 9−76020

Glagolev, A.I., Panov, Yu.A. Interaction of a sonic boundary-layer counterjet with a supersonic flow 9−64728

Glagolev, V.M., Shafranov, V.D. Inductorless excitation of an ohmic heating current in stellarators 9−98864

Glagolev, V.V. *see* Pustogarov, A.V. 9−100229

Glagoleva, N. *see* Aksinenko, V. 9−97713

Glagoleva, N.S. *see* Volodin, V.D. 9−68135, 9−97940

Glajch, J.L., Warren, D.C., Kaiser, M.A., Rogers, L.B. Effects of operating variables on peak shape in gel permeation chromatography 9−74433

Glandt, E.D., Myers, A.L. Two-dimensional equations of state: a comparison with experiment 9−69223

Glangeaud, F., Latombe, C., Lacoume, J.-L. Identification of ULF magnetospheric waves by using the cross-spectral matrix 9−70929

Glangeaud, F. *see* Fargetton, H. 9−70920

Glantz, L., Koersner, I., Johansson, A., Sundqvist, B. Low-energy alpha-induced deuteron breakup studied with a six-detector system and a Faddeev analysis 9−76008

Glanz, J. *see* Hershkowitz, N. 9−64863

Glanzer, K. *see* Astholz, D.C. 9−57214

Glardon, R., Kurz, W. The cobalt-samarium-copper phase diagram 9−91632

Glaros, S.S., Mayo, S.E., Campbell, D., Holeman, D. Shiva and Argus target diagnostics vacuum systems 9−81079

Glaros, S.S. *see* Auerbach, J.M. 9−98979

Glasbeek, M. *see* Gravesteijn, D.J. 9−87336

Glasby, F. The influence of planetary bodies on earthtides and earthquakes 9−100817

Glascock, M.D., Hornyak, W.F., Chang, C.C., Quickle, R.J. Reaction $^{27}Al+\alpha$ at E_α=140 MeV: I 9−63682

Glascock, M.D. *see* Hornyak, W.F. 9−63683

Glascock, M.D. *see* Schneider, E.W. 9−63628

Glaser, E.R., Silver, C.A. The use of stratification to improve the design efficiency of community noise surveys 9−81623

Glaser, I., Barrett, H.H. Halftone screen techniques for photographic film response shaping with application to optical processing of medical X-ray images 9−83895

Glaser, J. *see* Lederman, S. 9−68778

Glaser, P.E. The development of solar power satellites 9−100494

Glasgow, G.P. *see* Choi, M.C. 9−62350

Glasgow, L.C., Gumerman, P.S., Meakin, P., Jesson, J.P. The fluorocarbon-ozone theory. IV. Fluorocarbon mixing and photolysis. The effects of eddy diffusion and tropospheric lifetime on stratospheric odd chlorine mixing ratios 9−62551

Glasgow, L.C., Jesson, J.P., Filkin, D.L., Miller, C. The stratospheric abundance of hypochlorous acid (HOCL) 9−84427

Glasgow, L.C. *see* Jesson, J.P. 9−53496, 9−53497

Glasgow, L.R. *see* Gough, R.A. 9−54677

Glashausser, C. *see* King, H.T. 9−67657

Glashow, S.L. Theoretical ideas about charm and the theory of flavour mixing 9−49486

Glashow, S.L. The unmellisonant quark 9−63414

Glashow, S.L. Scenarios for physics at LEP 9−93848

Glasko, V.B. *see* Sviridov, D.T. 9−51986

Glasko, V.B. *see* Trapeznikova, N.A. 9−74859

Glasner, A. *see* Sarig, S. 9−52101

Glasper, J.L. *see* Robbins, D.J. 9−61443, 9−99952, 9−99953

Glass, A.M., Negran, T.J. A note on the origin of pyroelectricity in polyvinylidene fluoride 9−99828

Glass, A.M. *see* Fork, R.L. 9−87439

Glass, B. *see* Roessler, J. 9−78302

Glass, B.P., Zwart, P.A. The Ivory Coast microtektite strewnfield: new data 9−66697

Glass, C.E. Application of regionalized variables to microzonation 9−88288

Glass, E.N. Shear-free gravitational collapse 9−97013

Glass, G. *see* Bonner, B.E. 9−67572, 9−75783

Glass, G. *see* Hollas, C.L. 9−75786

Glass, H.L. *see* Speriosu, V.S. 9−69116

Glass, I.I. *see* Ben-Dor, G. 9−68746

Glass, I.I. *see* Liu, W.S. 9−60144

Glass, I.I. *see* Sislian, J.P. 9−81992

Glass, I.S. Infrared photometry of stars in the Chamaeleon T association 9−58384

Glass, I.S. Infrared observations of galactic X-ray sources 9−71155

Glass, I.S., McGraw, J., Starrfield, S., Angel, R., Carleton, N. SS 433 9−58346

Glass, I.S. *see* Wegner, G. 9−84837

Glass, J. *see* Mendlowitz, H. 9−99969

Glass, J.C., McMahon, P.L., Graf, G. Positron annihilation in ribonuclease 9−66448

Glass, J.C. *see* McMahon, P.L. 9−88061

Glass, M. *see* Massebeuf, M. 9−75003

Glass, R. Excited states of Be-like ions: wavefunctions and oscillator strengths of transitions for C III, N IV, O V and Ne VII 9−59367

Glass-Maujean, M., Breton, J., Guyon, P.M. A Fano-profile study of the predissociation of the $3p\pi D^1\Pi_u^+$ state of H_2 9−68274

Glass-Maujean, M., Kollmann, K., Ito, K. Upper limit of the cross section for photodissociation of H_2 into excited atoms in the range 620-350 Å 9−86018

Glasscock, R.B. *see* Garland, D.L. 9−97786

Glassel, P. *see* von Harrach, D. 9−76044

Glasser, F.P., Marr, J. Phase relations in the system Na_2O-TiO_2-SiO_2 9−61567

Glasser, F.P. *see* Cervantes Lee, F. 9−94975

Glasser, J., Chapelle, J. Free-free Gaunt factor for dense low temperature plasmas 9−60113

Glasser, K.S. *see* Crosby, D.S. 9−80025

Glasser, L. Rates of bimolecular heterogeneous reactions following the Langmuir-Hinshelwood mechanism 9−84907

Glasser, L.A. *see* Ho, P.-T. 9−50329

Glasser, L.D. *see* Nevskii, N.N. 9−86766, 9−94983

Glasser, M.L. Determining the energy levels of composite potential wells 9−97148

Glassey, R.T., Strauss, W.A. Conservation laws for the classical Maxwell-Dirac and Klein-Gordon-Dirac equations 9−49066

Glassey, R.T., Strauss, W.A. Decay of a Yang-Mills field coupled to a scalar field 9−67459

Glasunova, V.I., Ivanov, A.A., Nikiforov, V.F., Rakovitskii, G.R., Chesnokova, L.V. The equipment complexes for recording control motion picture on photographic film 9−89024

Glatte, R., Suss, R., Lowe, W. Evaluation of the specific resistance of normal concretes 9−97406

Glatter, O. The interpretation of real-space information from small-angle scattering experiments 9−50925

Glattli, H., Bacchella, G.L., Fourmond, M., Malinovski, A., Meriel, P., Pinot, M., Roubeau, P., Abragam, A. Experimental values of spin dependent nuclear scattering lengths of slow neutrons 9−75982

Glauber, R. *see* Haake, F. 9−76651

Glauber, R.J. *see* Osland, P. 9−97696

Glauberman, M.A. *see* Vikulin, I.M. 9−60918

Glaubman, M.J. *see* Blanar, G.J. 9−93473

Glaunsinger, W.S., Horowitz, H.S., Longo, J.M. Preparation and magnetic properties of manganite 9−87310

Glaunsinger, W.S. *see* Guen, L. 9−65660

Glaunsinger, W.S. *see* White, T.R. 9−78339, 9−91215

Glauz, R.D. Viscoelastic vibrating reed under gravity 9−90169

Glavanakov, I.V., Stibunov, V.N. Investigation of the reaction $^{12}C(\gamma,\pi^-p)$ in region of $\Delta(1232)$ 9−67744

Glavas, S. *see* Simonaitis, R. 9−74931

Glazachev, V.S., Borovkova, L.B., Lukin, E.S. Some problems in the technology of translucent Y_2O_3 ceramics 9−87601

Glaze, D.J. *see* Barger, R.L. 9−85925

Glaze, D.J. *see* Bergquist, J.C. 9−54204

Glaze, S.A., Schneiders, N.J., Bushong, S.C. Use of gypsum wallboard for diagnostic X-ray protective barriers 9−70650

Glazer, A.A., Tagirov, R.I. Amorphous magnetic materials 9−82839

Glazer, A.A. *see* Shur, Ya.S. 9−87286

Glazer, A.M. *see* Whatmore, R.W. 9−61312

Glazer, I. Stability analysis of the charged homogeneous model 9−70949

Glazkov, A.Ya. *see* Popova, N.N. 9−87786

Glazkov, V.V., Gusev, M.D., Zhestkov, B.A. Composite cooling of perforated plates in turbulent gas flow 9−98716

Glaznev, V.N., Demin, V.S., Yakushev, A.M. Self-oscillations in an underexpanded jet flowing into a barrier 9−68773

Glazov, A.A. *see* Vasilyev, A.A. 9−54655

Glazov, G.N., Tuzova, S.I. On the possibility of coherent Doppler determination of the aerosol-size spectrum in a turbulent flow 9−96841

Glazov, V.M., Grabachak, N.M. Electrotransfer in silver chalcogenide melts 9−51640

Glazov, V.M., Grabchak, N.M. Change in the short-range order structure when silver chalcogenide melts are heated 9−50973

Glazov, V.M., Pavlova, L.M., Karagodin, Yu.A. Dissociation of ternary congruently melting compounds formed in systems of analogous chalcogenides of Cu and Ge (Sn) 9−87832

Glazov, V.M., Shvedkov, E.I. Donor-acceptor interaction in an InAs-based solid solution during doping with zinc, sulfur, selenium, and tellurium 9−95038

Glazovskaya, M.A. Capacity of the environment for self-purification 9−88044

Glazunov, A.A., Rychkov, A.D. Investigation of nonequilibrium two-phase flows in axisymmetric Laval nozzles 9−68820

Glazunov, M.G., Minakov, V.N., Turtsevich, E.V., Yakushina, A.I. Structural sensitivity of mechanical characteristics of Nb-1% Zr-0.1% C alloy in strained state 9−52301

Glazunov, Yu.T. A complimentary form of the variational principle for nonlinear simultaneous transport processes 9—54076
Glazunov, Yu.T. A variational principle for nonlinear anisotropic simultaneous transport processes 9—88893
Glazunov, Yu.T. Variational solution of heat and mass transfer problem 9—88894
Glazunov, Yu.T. *see* Mikhailov, Yu.A. 9—58653
Glazyrina, M.I. *see* Rudchenko, V.V. 9—90726
Gleason, G.I. *see* Duffey, D. 9—63820
Glebov, V.Yu. *see* Bozhko, N.I. 9—97936, 9—97937
Glechnikov, V.A., Sidorov, V.A. Transient sounding in a thin conducting layer with disseminated inhomogeneities 9—84530
Gledhill, A.R. *see* Hawkesworth, C.J. 9—66658
Gledhill, R.A., Kinlock, A.J., Shaw, S.J. A self-toughening mechanism in epoxide resins 9—70293
Gleeson, L.J. *see* Yong-Chia Thio 9—66828
Gleeson, P.F., Helmy, E.M., Goshorn, D.P., Onn, D.G. Low-temperature specific heat of two platinum-based ternary alloy systems 9—73320
Gleichmann, R. *see* Heydenreich, J. 9—82217
Gleiser, R.J. Small amplitude oscillations on a quasi-ideal pendulum 9—84897
Gleiser, R.J. Doppler shift for a radar echo 9—97147
Gleiter, H. Recent developments in the understanding of the structure and properties of grain boundaries in metals 9—99217
Gleiter, H. *see* Kuhn, H. 9—60377
Gleiter, H. *see* Malis, T. 9—95717, 9—95718
Gleiter, H. *see* Miles, M. 9—69241
Gleiter, H. *see* Mykura, H. 9—60385
Gleiter, H. *see* Petermann, J. 9—86718
Gleiter, R. *see* Thulstrup, E.W. 9—72360
Gleitzer, C. *see* Parmentier, M. 9—99125
Gleize, A. *see* Pujol, L. 9—93932
Glemba, P.Ya. *see* Alekseev, E.N. 9—80163, 9—80164
Glembotskii, I.I. *see* Savukynas, A. 9—63972
Glen, J.S. *see* Lepp, R.M. 9—97852
Glendenin, L.E. *see* Gindler, J.E. 9—67796
Glendenning, N.K. *see* Baltz, A.J. 9—97689
Glendenning, N.K. *see* Garpman, S.I.A. 9—75887, 9—93651
Glenn, J.W., Smith, G.A., Sandberg, J.N., Repeta, L., Weisberg, H. AGS slow extraction improvements 9—72045
Glenn, J.W. *see* Allinger, J. 9—76203
Glenn, L. *see* Hovingh, J. 9—89499
Glenn, L.A., Young, D.A. Dynamic loading of the structural wall in a lithium-fall fusion reactor 9—93821
Glenn, L.A. *see* Rossmanith, H.P. 9—83296
Glenn, W.V. *see* Reed, I.S. 9—66557, 9—83946
Glezer, A.M., Mal'tsev, E.I., Molotilov, B.V. Effect of vanadium on atomic order parameters, dislocation structure, and mechanical properties of the alloy FeCo 9—91762
Glezer, A.M. *see* Borodkina, M.M. 9—79006
Glezer, A.M. *see* Vasil'ev, V.P. 9—91707
Glezer, V.D., Kuperman, A.M. Model of the local spectral description of the images in the visual system 9—79545
Glezer, V.D. *see* Dudkin, K.N. 9—57646
Glibert, J., Loix, G.Y., Culot, R., Claes, P. Conductivity and viscosity of systems composed of the NH_4NO_3-$LiNO_3$-NH_4Cl eutectic mixture and water 9—51286
Glibert, J. *see* Dauby, C. 9—82365
Glicksman, A.S. *see* McShan, D.L. 9—62336
Glickson, J.D. *see* Rama Krishna, N. 9—83692
Gliem, F.O. *see* Musmann, G. 9—92679
Gliemann, G. *see* Daniels, W. 9—60506
Gliemann, G. *see* Holzapfel, W. 9—51070
Gliemann, G. *see* Yersin, H. 9—61436
Gliemeroth, G. *see* Marquardt, C.L. 9—94310
Gliezes, A. *see* Kafrouni, H. 9—64940
Glijer, J. *see* Sokolowski, M. 9—52686
Glikman, E.E., Cherepakov, A.I., Tuzov, L.V. Kinetics of crack propagation and fracture of copper in creep 9—52342
Glikman, E.E. *see* Zenkova, E.K. 9—96148
Glikman, L.G. On the problem of two bodies of variable mass 9—62730
Glimcher, M.J. *see* Lipshitz, H. 9—74714
Glimm, J., Jaffe, A. The resummation of one particle lines 9—71589
Glimois, J.L., Becle, C., Develey, G., Moreau, J.M. Crystal structure of the intermetallic compound $Ni_{11}Zr_9$ 9—65035
Glinchuk, K.D., Prokhorovich, A.V., Vovnenko, V.I. Study of non-linear extrinsic luminescence in GaAs. II. The role of Auger recombination 9—52010
Glinchuk, K.D., Prokhorovich, A.V., Vovnenko, V.I. Study of non-linear extrinsic luminescence in GaAs. III. Sublinear emissions due to Auger transitions in radiative centers 9—95833
Glinchuk, K.D. *see* Vovnenko, V.I. 9—91495
Glinchuk, M.D., Deigen, M.F., Rozhko, V.S. Local fields and electric dipole moment of localized impurities in crystals 9—90992
Gliner, E.B., Mitrofanov, I.G. Asymmetric rotator as a detector of monochromatic gravitational waves 9—85054
Gliner, R.E. Some points regarding the use of the method of foil samples for testing the cementation process of steel 9—70238
Glinik, R.A. *see* Gostishchev, V.I. 9—91754
Glinka, G. Effect of the form of residual stress distribution on the growth of fatigue cracks 9—57111
Glinskaya, V.V. *see* Orekhov, Yu.I. 9—93762
Glinski, J. *see* Ernst, S. 9—60436, 9—94686, 9—94687
Glinski, J. *see* Godlewski, J. 9—83009
Glinski, M. *see* Alekseevskii, N.E. 9—63280
Glinskii, A.A. Diffraction of Gaussian light beams by acoustic waves 9—64173
Glinskii, G.F. Birefringence in moving anisotropic media 9—80432
Glinskii, G.F., Kopylov, A.A., Pikhtin, A.N. Indirect exciton dispersion in III-V semiconductors. 'Camel's back' in GaP 9—73447
Glin'skii, M. *see* Gostishchev, V.I. 9—60801
Glinsky, H.W., Mehren, F., Voj, P., Hoffmann, H., Marten, K. The shutdown systems of KNK and SNR 300 9—97866
Glisson, A.W. *see* Rao, S.M. 9—89825
Glisson, T.H. *see* Hauser, J.R. 9—73522
Glitsch, L., Allegre, C.J. Determination of crystallization temperatures in fractional crystallization series by nickel partitioning equations 9—88343
Globe, M. *see* Omaggio, J.P. 9—78461
Globe, M.P. *see* Mier, M.G. 9—78462
Glober, G. *see* Wasnich, R. 9—83909
Glock, G., Metauer, G., Gantois, M., Schley, R. New thermoelectric alloys for temperature measurements in pile 9—67894
Glocker, R. *see* Fritsche, L. 9—51468
Glockle, W. Is there a three neutron resonance? 9—67680
Glockle, W. *see* Adhikari, S.K. 9—75402
Glockle, W. *see* Neghabian, A.R. 9—54352
Glockle, W. *see* Offermann, R. 9—67676
Glockner, P.G. *see* Chowdhury, K.L. 9—67164
Glodeanu, F., Spinzi, A., Nicolaescu, I.V., Galatchi, G., Spinzi, M. Sintering oxide powders based on Fe_2O_3 9—61551
Glodis, P. *see* Minehart, R. 9—76032
Glodis, P.F. *see* Sadler, M.E. 9—85328
Gloeckler, G., Hovestadt, D., Fisk, L.A. Observed distribution functions of H, He, C, O, and Fe in corotating energetic particle streams: implications for interplanetary acceleration and propagation 9—70938
Gloeckler, G. *see* Ipavich, F.M. 9—58198
Gloeckler, G. *see* Mason, G.M. 9—92739
Gloeckler, G. *see* Scholer, M. 9—53667
Gloer, U. *see* Frese, H. 9—72083
Glogar, D. *see* Joskowicz, G. 9—70681
Glogarova, M., Janovec, V., Tikhomirova, N.A. Alignment of nematic liquid crystals controlled by ferroelectric domain structure 9—99068
Glogovskii, V.M., Gogonenkov, G.N. Convergence of an iterative method for determining stratum velocities using seismic data 9—74982
Glorieux, P. Time-resolved microwave double resonance in four level systems: H_2CO 9—59493
Glorieux, P. *see* Arimondo, E. 9—54844
Glos, J. *see* Benes, P. 9—79278
Glotov, E.P., Danillychev, V.A., Kruglyi, A.E., Pustovalov, V.V., Soroka, A.M., Cheburkin, N.V. Influence of gasynamic motion of the active medium during a pump pulse on the angular divergence of radiation emitted from electron-beam-controlled lasers 9—59668
Glotov, V.P. Low-frequency sound scattering by wind-generated air bubbles below a sea surface with large-scale roughness 9—86285
Glotova, L.M. *see* Novik, F.S. 9—49322
Glotova, N.N., Kazanskii, V.I., Kirdyashev, K.P., Ostretsov, I.N., Porotnikov, A.A., Utkin, Yu.A. Anomalous operation of an electrodynamic plasma accelerator 9—55575
Glotowa, N.A. *see* Meshikowski, S.M. 9—70097
Glova, A.F. *see* Barkalov, A.D. 9—55584
Glover, J.E. *see* Barley, M.E. 9—57926
Glover, K. New techniques for approximate realisation 9—70898
Glover, P. *see* McCowan, D.W. 9—84187
Glowienka, J.C. *see* Cobble, J.A. 9—94815
Glowinski, R. *see* Bristeau, M.O. 9—49054
Gloyna, D. *see* Alder, L. 9—81225
Glozman, E.A., Ignatchenko, V.A., Tsifrinovich, V.I. Nuclear secondary echo in ferromagnets and antiferromagnets 9—73852
Glubokovskii, S.I. *see* Tsegel'skii, V.G. 9—50820
Glubrecht, H. Dose comparisons in the effects of radiation and of chemical pollutants 9—88115
Gluchowski, W. *see* Galkowski, A. 9—67940, 9—67941
Gluck, M. On the free parton model for weak semileptonic decays of charmed particles 9—75766
Gluck, M. Target-mass effects in hadronic lepton-pair production 9—89139
Gluck, M., Berlad, G., Eilam, G. Reconciling high-transverse-momentum dimuon production with quantum chromodynamics 9—49478
Gluck, M., Reya, E. Deep inelastic quantum chromodynamic charm leptoproduction 9—54312
Gluck, M., Reya, E. Discriminative deep inelastic tests of strong interaction field theories 9—89105
Gluck, M. *see* Eilam, G. 9—75727
Glukhikh, V.A. *see* Balbekov, V.I. 9—63829
Glukhikh, V.A. *see* Baldin, A.M. 9—72125
Glukhikh, V.A. *see* Basargin, Yu.G. 9—54628
Glukhikh, V.A. *see* Burtsev, V.A. 9—72475
Glukhikh, V.A. *see* Velikhov, E.P. 9—71954, 9—76122
Glukhov, I.S. *see* Krivulin, V.N. 9—100368
Glukhov, V.A. *see* Arabei, B.G. 9—78931
Glukhov, Yu.M., Kulinich, Yu.V., Rykov, G.V. Results of experimental investigations of the mechanical characteristics of a sandy soil under static loadings. Pickup construction 9—88345
Glukhov, Yu.P., Ostankov, B.S., Birzgal, A.M. Mobile test laboratory type PPLII-3 9—74761
Glukhova, N.P. *see* Ivlev, S.A. 9—71435
Glumov, A.V. *see* Murin, I.V. 9—95705
Glurdzhidze, L.N., Gigineishvili, A.V., Bzhalava, T.L., Dzhabua, Z.U., Pagava, T.A., Sanadze, V.V., Oskotskii, V.S. Optical properties of samarium monosulfide at 300K 9—69897
Glushchenko, A.A. *see* Bezdetnyi, B.P. 9—58534
Glushchenko, V.G., Kravtseva, A.I. Nonstationary motion of particles in a liquid in a gravitational force field 9—84955
Glushchenko, V.G., Mokeev, Yu.G., Kravtseva, A.I. Deformation and fragmentation of spherical bodies in a stream of liquid with change in their phase state 9—90308
Glushko, A.A. *see* Arapova, E.Y. 9—52021
Glushko, G.S., Traskovskii, V.D. A method of calculating the energy spectral density of homogeneous isotropic turbulence 9—86410
Glushko, Yu.V. *see* Plekhanov, G.A. 9—77760
Glushkov, A.V. *see* Grigor'ev, V.M. 9—80168
Glushkov, A.V. *see* Stroikovskii, A.K. 9—71411
Glushkov, E.A., Yatsenko, O.B., Zlomanov, V.P. Influence of In, Ga, and Al on the electrical properties of solid solutions $Pb_{1-x}Sn_xTe$ 9—51599
Glushkov, E.D. *see* Pazin, A.V. 9—50996
Glushkov, I.S. *see* Alikhanov, S.G. 9—90444
Glushkov, M.V. *see* Anzin, V.B. 9—76714
Glushkov, V.N. *see* Tsaune, A.Ya. 9—54990
Glushkova, V.B., Osiko, V.V., Shcherbakova, L.G., Aleksandrov, V.I., Paputskii, Yu.N., Tatarintsev, V.M. Characteristics of monocrystalline solid solutions in the system ZrO_2-Y_2O_3 9—52188
Glushkova, V.B., Sazonova, L.V., Hanic, F. Lattice parameters of cubic solid solutions in the systems uR_2O_3-$(1-u)MO_2$ 9—82186
Glushneva, I.N., Kharitonov, A.V. Comparison of independent stellar spectrophotometry at Moscow and Alma-Ata 9—58273
Gluskin, E.S. *see* Zhurakovskii, A.P. 9—95841
Glynn, C.C. *see* Crespo da Silva, M.R.M. 9—64494, 9—64495, 9—64558
Glynn, I.M. *see* Beauge, L.A. 9—88065
Glynn, S.M. Capturing readers' attention by means of typographical cuing strategies 9—48988
Gmelin, E., Gorzellik, P., Muller, A. Application of evaporation cryostats to experiments in solid state physics 9—58708
Gmelin, E. *see* Haag, J. 9—91991
Gmelin, E. *see* Hilscher, G. 9—61153
Gmitro, M., Mach, R. Low energy pion-nucleus scattering in the coupled-channel model 9—76040
Gmitro, M., Ovchinnikova, A.A. On the rate of μe conversion in the reaction $^{16}O(\mu^-,e^-)^{16}O^*$ 9—89300
Gmuer, K., McCombie, C., Richmond, R., Schmocker, U., Seth, S. Testing of ENDF/B-IV thorium data in a GCFR lattice 9—67836
Gmuer, K. *see* McCombie, C. 9—81037
Gnada, B.E., Braga, R.A., Western, W.R., Wood, J.L., Fink, R.W. Determination of corrections for tailing in low energy coincidence intensity measurements 9—81141
Gnanamuthu, D.S., Shaw, C.B., Jr., Lawrence, W.E., Mitchell, M.R. Laser transformation hardening 9—70198
Gnanapragasam, B., Srinivas, M.D. Uncertainty relation for successive measurements 9—75396
Gnatak, A.K., Thyagarajan, K. Contemporary optics 9—81353
Gnatenko, Yu.P. *see* Babii, P.I. 9—73969
Gnatovskii, A.V., Loginov, A.P., Medved, N.V., Nikolaev, M.V., Shpak, M.T. Formation of laser beams with improved angular characteristics 9—89950
Gnatovskii, A.V., Zubrilin, N.G., Loginov, A.P., Nikolaev, M.V., Shpak, M.T. Intraresonator formation of laser fields 9—50327
Gnatyuk, A.D. *see* Beletskii, V.M. 9—100262
Gnedin, Yu.N. *see* Pavlov, G.G. 9—89089
Gnedov, Yu.A., Romanov, Yu.I. On the possible manifestation of weak interaction effects in electron-electron (muon) scattering 9—75755
Gnesin, B.A., Karpov, M.I., Fedyaeva, L.G., Yashnikov, V.P. Distribution function of the orientations of longitudinally- and cross-rolled molybdenum 9—70076

Gnesin, G.G., Gridneva, I.V., Dyban', Yu.P., Kurdyumova, G.G., Paderno, V.N., Mil'man, Yu.V., Chugunova, S.I. Effect of temperature on the character of fracture of self-bonded silicon carbide 9—96136

Gnesin, G.G., Osipova, I.I., Yaroshenko, V.P., Rontal', G.D. Optimization of the properties of a tool material based on silicon nitride 9—95987

Gnesin, G.G., Zakharenkov, V.K., Shipilova, L.A. Volume electrical resistivity of silicon carbide heating elements 9—69510

Gnettner, W. *see* Ehrhart, P. 9—99519

Gnettner, W. *see* Koran, P. 9—54408

Gnezdilov, V.I. *see* Tazenkov, B.A. 9—69557

Gnieser, J. *see* Morgerli, B. 9—79892

Gnilov, S.V., Nashel'skii, A.Ya. Computing impurity distribution coefficients in crystals obtained by directed crystallization 9—51133

Gnilov, S.V. *see* Veinger, A.I. 9—91135

Gninninvi, L. *see* Bouillot, J. 9—69213

Gnobloch, H., Kellermann, W., Nischik, H., Pantel, K. Electrochemical method for the detection of heavy metal ions in waters 9—92039

Gnuchii, Yu.B. Numerical integration over a surface in the finite-element method 9—53967

Gnugesser, E., Mukherjee, S.K. Utilization of solar energy at a low-temperature range. I. Solar collectors and utilization of them for domestic water and swimming-pool water heating as well as space heating 9—57442

Gnuni, V.Ts. *see* Belubekyan, E.V. 9—59934

Gnusin, N.P. *see* Shel'deshov, N.V. 9—91970

Gnyp, A.W. *see* Wasfi, A.K. 9—70482

Gnyp, I.P. On brittle fracture in ductile metals 9—52345

Go, S. *see* Kloos, F. 9—94920

Goad, J.W., De Veny, J.B., Goad, L.E. Velocities of the gas in M51 9—75268

Goad, L.E. *see* Goad, J.W. 9—75268

Goates, S.R. *see* Bartell, L.S. 9—68316

Gobbi, A. *see* Berlanger, M. 9—67636

Gobbi, A. *see* Lynen, U. 9—72202

Gobbi, B. *see* Biel, J. 9—89309

Gobbi, B. *see* Chaney, D. 9—89308

Gobbi, B. *see* Piccolo, M. 9—93439

Gobbi, B. *see* Rapidis, P.A. 9—75780

Gobby, P.L. *see* Grimsrud, E.P. 9—92017

Gobin, D. *see* Benard, C. 9—57484, 9—57485, 9—62032

Gobin, P.F. *see* Guenin, G. 9—55807, 9—77696

Gobin, P.F. *see* Malaprade, G. 9—57056

Gobin, P.F. *see* Vigier, G. 9—52288

Gobl, G. *see* Bernemyr, R. 9—55209

Gobl-Wunsch, A., Heppke, G. Temperature dependence of the induced helical pitch of a nematic phase using several chiral additives 9—60277

Gobl-Wunsch, A., Heppke, G., Oestreicher, F. Temperature independent threshold voltage for an electrooptic effect 9—91405

Goble, J.H., Winn, J.S. Analytic potential functions for weakly bound molecules: the X and Z states of NaAr and the A state of NaNe 9—54785

Goble, J.H., Winn, J.S. Estimation of the dissociation energy of weakly bound molecules from spectroscopic data 9—54988

Gobov, G.V., Konashenko, V.I. Triplet-triplet energy transfer under Shpol'skii effect conditions 9—64031

Gobrecht, J., Gerischer, H., Tributsch, H. Electrochemical solar cell based on the d-band semiconductor tungsten-diselenide 9—66411

Gobrecht, J., Tributsch, H., Gerischer, H. Performance of synthetical n-$MoSe_2$ in electrochemical solar cells 9—66412

Gobsch, G. *see* Haberlandt, H. 9—78520

Goch, G. *see* Weckenmann, A. 9—49197

Gochanour, C.R., Andersen, H.C., Fayer, M.D. Electronic excited state transport in solution 9—68994

Gochitashvili, M.R. *see* Kikiani, B.I. 9—76512

Godard, P., Biebuyck, J.J., Daumerie, M., Naveau, H., Mercier, J.P. Crystallization and melting of acqueous gelatin 9—61914

Godbee, H.W., Kibbey, A.H., Joy, D.S. Assessment of the loss of radioactive isotopes from solidified wastes 9—54541

Godbee, H.W., Kibbey, A.H., Kee, C.W., Blomeke, J.O. US nuclear fuel cycle: an introductory overview 9—54585

Godbee, H.W. *see* Moghissi, A.A. *(editor)* 9—54568

Godbole, S.S. *see* Broadwater, R.P. 9—71931

Godchikov, U. *see* Razhenov, V.G. 9—68618

Goddard, A.J.H. *see* Duggan, F. 9—85706

Goddard, A.J.H. *see* Head, J.L. 9—81032

Goddard, A.J.H. *see* Strachan, S.J. 9—66561

Goddard, J.D., Csizmadia, I.G. Ab initio configuration interaction calculations on the hydrogen molecular excimer, H_4^* 9—76348

Goddard, J.D., Handy, N.C., Schaefer, H.F., III Gradient techniques for open-shell restricted Hartree-Fock and multiconfiguration self-consistent-field methods 9—98004

Goddard, J.D., Schaefer, H.F., III The photodissociation of formaldehyde: potential energy surface features 9—79271

Goddard, J.D. *see* Daudel, R. 9—59345

Goddard, J.D. *see* Handy, N.C. 9—85908

Goddard, M.C., Key, A.W., Luste, G.J., Prentice, J.D., Yoon, T.-S., Gordon, H.A., Lai, K.W. Y*K and Y*K* production in π^+p interactions at 10.3 GeV/c 9—49544

Goddard, P. *see* Corrigan, E. 9—54252

Goddard, R.E. *see* Fabricant, D.G. 9—74273

Goddard, W.A., III *see* Upton, T.H. 9—82445

Godefroy, G. *see* Anguilar, M. 9—69885

Godefroy, H.W.H.E. Application of the laser-Doppler velocity measurement method in open and closed conduits 9—68882

Godel, J.B. *see* Schuchman, J.C. 9—81106

Godenko, L.P. *see* Mashkevich, V.S. 9—69472

Godeny, I. *see* Beke, D.L. 9—95204

Godeny, I. *see* Erdelyi, G. 9—51313

Godet, M. *see* Play, D. 9—96149

Godfrey, B.B. Linear theory of radially inhomogeneous, unneutralized, relativistic electron beams 9—50201

Godfrey, B.B., Newberger, B.S. Wave amplitude variation and energy flow in autoresonant collective ion acceleration 9—76176

Godfrey, B.B. *see* Faehl, R.J. 9—72017

Godfrey, B.B. *see* Kwan, T. 9—68376

Godfrey, B.B. *see* Shanahan, W.R. 9—72022

Godfrey, B.B. *see* Thode, L.E. 9—59625

Godfrey, G. *see* Chestnut, R. 9—89531

Godfrey, L. *see* Angelini, C. 9—67548

Godfrey, L.A., Nodwell, R.A., Curzon, F.L. Experiments on the mixing of electromagnetic waves in a plasma 9—98920

Godfrey, R. *see* Velkoff, H.R. 9—77112

Godfrey, R.B., Green, M.A. 655 mV open-circuit voltage, 17.6% efficient silicon MIS solar cells 9—79391

Godfrey, R.B., Green, M.A. High-temperature lifetesting of Al/SiO_x/p-Si contacts for MIS solar cells 9—87988

Godfrin, H., Frossati, G., Thoulouze, D., Chapellier, M., Clark, W.G. NMR measurements on liquid ^{3}He confined in alumina and platinum powders and Grafoil 9—51371

Godfrin, H. *see* Clark, W.G. 9—63217

Godfrin, H. *see* Hebral, B. 9—55999

Godfrin, H. *see* Holtzberg, F. 9—78386

Godfrin, H. *see* Tholence, J.L. 9—61174

Godfrin, J. *see* Mousty, F. 9—85813

Godik, E.E., Kuznetsov, A.I. The photodielectric effect associated with the excitation of impurities in semiconductors 9—82630

Godik, E.E., Kuznetsov, A.I., Sinis, V.P. Impurity photoconductivity when the energies of the quanta are lower than the ionization energy of the impurities 9—82631

Godlevskii, A.P., Kapitanov, V.A. Changes in the line shapes of water vapor due to broadening by foreign gases 9—54863

Godlevskii, A.P., Kopytin, Yu.D. Laser intracavity adsorption spectroscopy of surface-active substances, adsorbed gases and aerosols 9—57343

Godlevskii, A.P. *see* Belyaev, E.B. 9—92040

Godlewski, J., Glinski, J., Kalinowski, J. Method for determining the spatial distribution of emitting species 9—83009

Godlewski, J., Kalinowski, J. Photo-enhanced currents in organic insulators 9—82599

Godlewski, M. Microwave conductivity measurements in CdTe 9—51620

Godlove, T.F. Recent progress and plans for heavy ion fusion 9—71992

Godone, A., Bava, E., De Marchi, A. Milliwave Fabry-Perot tuning and modulation by electrically variable external reactance 9—68409

Godot, J.-C. *see* Brunet, J.-C. 9—76211

Godot, J.M. *see* Comar, D. 9—83730

Godovskii, Yu.K., Braude, L.M., Shibanov, Yu.D., Levin, E.I., Valetskii, P.M., Vinogradova, S.V., Korshak, V.V. The comparative study of phase separation in block-copolymers and mixtures of polyarylate and polyethylene oxide 9—55895

Godsil, C.D., Gutman, I. Topological resonance energy is real 9—81145

Godwal, B.K. X-ray transport in a Ni plasma 9—64837

Godwin, J.G. *see* Bucknell, M.J. 9—88752

Godwin, J.G. *see* Carter, D. 9—67105

Godwin, L.M., White, H.W., James, W.J. The low-temperature specific heats of $Y_2(Co_{1-x}Al_x)_{17}$ alloys 9—56541

Godwin, R.O. *see* Gilmartin, T.J. 9—49863

Godyak, V.A., Ganna, A.Kh. The effect of a self-acting field on the spatial distribution of an HF discharge plasma 9—99007

Godyak, V.A., Popov, O.A. Experimental investigation of resonant HF radiation 9—55580

Godzhaev, E.M., Orudzhev, K.D., Mamedov, V.A., Mamedov, Z.F. Electrophysical investigations of alloys of the system $TlInSe_2$-$TlPrSe_2$ 9—87119

Godzhaev, M.O. *see* Belenkii, G.L. 9—83022

Godzik, K., Jortner, J. Electronic energy transfer in an impurity band 9—51513

Godzik, K., Jortner, J. Dispersive diffusion of electronic energy in an impurity band 9—69458

Goebbels, K., Romer, M., Crostack, H.-A. Quantitative comparison of different ultrasonic inspection methods to improve the signal-to-noise ratio for materials exhibiting coherent noise 9—83416

Goebel, C.J., Hammel, T.E. Selenide isotope generator for the Galileo Mission 9—52951

Goebel, C.J., Harris, S.M., Johnson, E.A. Near-normal behavior of disparate mass gas mixtures 9—94762

Goebel, D.M. *see* Crow, J.T. 9—49888

Goebel, E., Hildebrand, O., Romanek, K.M. Thermalization of the electron-hole plasma in GaAs 9—95439

Goebel, E.O., Luz, G., Schlosser, E. Optical gain spectra of InGaAsP/InP double heterostructures 9—98356

Goebel, F. *see* Schlaikjer, C.R. 9—100504

Goebel, R.W. *see* Pasachoff, J.M. 9—84920

Goebel, U. *see* Buschow, K.H.J. 9—78546

Goedgebuer, J.-P. *see* Spajer, M. 9—94195

Goedsche, F., Richter, R., Vojta, G. Force-force correlation function approach to the electrical resistivity of disordered transition metal alloys 9—51541

Goedsche, F. *see* Richter, A. 9—99711

Goeje, M.P.de *see* de Goeje, M.P.

Goeke, K. *see* Reinhard, P.-G. 9—97690

Goeke, W.C. *see* Saleh, B.E.A. 9—98302

Goel, A., Dayal, B., Mohan, S. Lattice dynamics of vanadium and niobium by a modified Sharma-Joshi model 9—51221

Goel, N.C. *see* Jain, G.C. 9—61550

Goel, P.S. *see* Kosta, S.P. 9—96474

Goel, R. *see* Gupta, S.K. 9—59607

Goel, R.K., Sharma, S.D., Sharma, S.N. Vibrational spectra of 2-fluoro-5-chloro- and 3-fluoro-6-chloro-toluene 9—68232

Goel, R.K., Sharma, S.D., Sharma, S.N. Vibrational spectra of 2-chloro-6-methyl benzonitrile 9—89665

Goel, R.K. *see* Sanyal, N.K. 9—81198

Goel, S.C., Nanda, V.S. Application of a low temperature equation of state for monovalent metals 9—60476

Goel, S.K., Gupta, P.D., Bhatnagar, R. Comment on 'The significance of the distribution of hot spots on the interpretation of laser-produced plasma experiments' 9—98945

Goel, S.K. *see* Sinha, B.K. 9—50895

Goel, T.C. *see* Akhtar, D. 9—52268, 9—56974, 9—87018

Goel, T.C. *see* Mohan, B. 9—71454

Goeler, E.von *see* von Goeler, E.

Goeler, S.von *see* von Goeler, S.

Goeler, S.Von *see* Von Goeler, S.

Goer, A.M.de *see* de Goer, A.M.

Goerke, J. *see* Schurch, S. 9—92257

Goertz, C.K. The Jovian magnetodisk 9—58297

Goertz, C.K., Thomsen, M.F. Radial diffusion of Io-injected plasma 9—75144

Goertz, C.K., Van Allen, J.A., Parish, J.L., Schardt, A.W. Plasma in the Jovian current sheet 9—84731

Goertz, C.K., Van Allen, J.A., Thomsen, M.F. Further observational support for the lossy radial diffusion model of the inner Jovian magnetosphere 9—53764

Goertz, C.K. *see* D'Angelo, N. 9—75053

Goeschl, J.D. *see* DeMichele, D.W. 9—62209

Goethals, R. *see* Thiebaut, P. 9—77166

Goettel, K.A. *see* Bernatowicz, T.J. 9—79761

Goetz, F. *see* Corfu, R. 9—85538

Goetz, J., Hausler, G., Sesselmann, R. Television-optical operational amplifier 9—94327

Goetzberger, A., Baur, G., Wittwer, V. Solar energy conversion with fluorescent collectors 9—70462

Goetzberger, A., Schirmer, O. Second stage concentration with tapers for fluorescent solar collectors 9—61945

Goff, J.-J.Le *see* Le Goff, J.-J.

Goff, P.Le *see* Le Goff, P.

Goffe, R.A., Tseung, A.C. Internally charged palladium hydride reference electrode. I. The effect of charging current density on long-term stability 9—57251

Goffe, R.A. *see* Tseung, A.C.C. 9—52687

Goforth, T., Herrin, E. Phase-matched filters. Application to the study of Love waves 9—92602

Goganov, D.A. *see* Gimanov, V.P. 9—53288, 9—87902

Gogarty, W.B. *see* Dreher, K.D. 9—61841

Goggi, G. Study of heavy-lepton polarization in e^+e^- annihilation at the Z^0 pole 9—97615

Gogichaishvili, Sh.M., Gogishvili, O.Sh., Lalykin, S.P. Device for continuous elongation of profiled crystalline ingots from a melt 9—69975

Gogish, L.V., Pokrovskii, O.S. Base pressure at the ends of blunt bodies of rotation in a supersonic turbulent stream 9—86455

Gogishvili, O.Sh. *see* Gogichaishvili, Sh.M. 9—69975

Gogna, P.K., Chopra, K.L. Structure-dependent thermal and optical properties of black nickel coatings 9—79404

Gogna, P.K., Pandya, D.K., Chopra, K.L. Selective coatings for solar energy conversion 9—62028

Gogol, C.A. Rate controlling and composition analysis of Si/Al-Si processes by electron impact emission spectroscopy (EIES) 9—91591

Gogolak, C.V. *see* Beck, H.L. 9—84383

Gogolev, I.G., Korolev, P.V. Conditions for the appearance of backflow in a rotating fluid 9—86439

Gogolin, A.A. Localization of electrons in a one-dimensional strongly disordered conductor 9—78046

Gogolin, O.V. *see* Bagdavadze, V.N. 9—69812

Gogonenkov, G.N. *see* Glogovskii, V.M. 9—74982

Gogoshev, M. *see* Serafimov, K. 9—53602

Gogoshev, M.M., Chapkunov, S.K. First observations of red oxygen emission λ6300 Å in Guinea 9—58146

Gogosheva, Ts. *see* Serafimov, K. 9—53602

Gogotishvili, M.K. *see* Gerasimov, A.B. 9—51155

Gogotsi, G.A., Grushevskii, Ya.L. Classification of refractories in terms of brittleness and the determination of their thermal-shock resistance 9—83321

Goh, T.N. Statistical study of solar radiation information in an equatorial region (Singapore) 9—87972

Goh, T.N., Tan, K.J. Solar radiation studies for utilization of flat-plate collectors in an equatorial region 9—57402

Gohar, Y., Abdou, M. MACKLIB-IV, a new library of nuclear response functions 9—67950

Gohda, N. Interaction between a shock-heated plasma and a nozzle-shaped magnetic field 9—55478

Goheen, M.W. *see* Lambert, M.C. 9—81066

Gohel, V.K., Laufer, I. Double-contrast examination of the postoperative stomach 9—92359

Gohil, R.M. *see* Petermann, J. 9—100105

Gohn, G.S., Gottfried, D., Lanphere, M.A., Higgins, B.B. Regional implications of Triassic or Jurassic age for basalt and sedimentary red beds in the South Carolina coastal plain 9—74879

Gohn, G.S. *see* Lyttle, P.T. 9—79790

Gohrbandt, B., Gorgens, B. The electrical power interface between solar array and power conditioning 9—96460

Goin, G. Status report on the CNRS Orleans' cyclotron 9—54637

Goin, J.E. *see* Morin, R.L. 9—81122

Goins, N.R., Lazarewicz, A.R. Martian seismicity 9—80262

Goisa, S.N. *see* Koval', I.V. 9—69365

Gokan, H., Esho, S. Pattern fabrication by oblique incident ion-beam etching 9—74271

Gokay, M.C. *see* Cross, L.A. 9—55118

Gokce, A.T. *see* Bammert, K. 9—87936

Gokcen, N.A., Loferski, J.J. Efficiency of tandem solar cell systems as a function of temperature and solar energy concentration ratio 9—74516

Gokcen, N.A. *see* Schaefer, S.C. 9—91619

Gokhale, B.G. *see* Misra, U.D. 9—68208

Gokhale, G.S. *see* Appa Rao, M.V.K. 9—84636

Gokhale, M.H. Fundamental flux tubes in the solar magnetic fields I. Significance of the flux-amount; possibility of rising and durability 9—53791

Gokhale, M.H. Fundamental flux tubes in the solar magnetic fields II. Generation of the 'FET's and the periodic field reversal 9—53792

Gokhale, V.V. Longitudinal instabilities in exit flow from a slit 9—98684

Gokhberg, M.B. *see* Buloshnikov, A.M. 9—53659

Gokhberg, Ya.A., Polyakov, V.N., Val'kovoi, V.S., Mamaev, Yu.D. Method of fatigue testing for wire 9—52493

Gokieli, B. *see* Sokolowski, M. 9—95938

Gokieli, B. *see* Drijard, D. 9—80853, 9—89150, 9—89198

Gokieli, V.D. *see* Aglamazov, V.A. 9—84616

Gola, M. *see* Belingardi, G. 9—90127

Gola, M.M., Gugliotta, A.A. Analytical estimate of stresses in bones and prosthesis stems 9—92250

Golabek, J. Piezometric holes position and form of the annular Venturi tube applied to measurement of air-transported dust concentration 9—72971

Golanski, M. *see* Babicz, B. 9—85113

Golay, M. *see* Goy, G. 9—84682

Golban, G.N. *see* Bulyarskii, S.V. 9—90923

Gold, E. *see* Kasper, P. 9—93447

Gold, L.P. *see* Bernheim, R.A. 9—81220

Gold, R.B., Powell, R.A., Gibbons, J.F. Laser alloying of Au-Ge ohmic contacts on GaAs 9—73583

Gold, R.B. *see* Johnson, N.M. 9—69457, 9—95361

Gold, R.E. *see* Roelof, E.C. 9—58204

Gold, S.H., DeSilva, A.W. Observation of an ion-beam-driven instability in a magnetized plasma 9—77424

Gold, T. *see* Dermott, S.F. 9—96967

Gold, V. The definition of terms related to 'rate' and 'order of reaction' 9—52625

Goldacker, H. *see* Schmieder, H. 9—85718

Goldanskii, V.I. Facts and hypotheses of molecular chemical tunnelling 9—59520

Gol'danskii, V.I. *see* Podoplelov, A.V. 9—59604

Gol'danskii, V.I. *see* Vasil'kov, R.G. 9—59099

Goldbach, C. *see* Mazure, A. 9—82049

Goldbart, Z. *see* Horowitz, Y.S. 9—97948

Goldbeck, O.von *see* von Goldbeck, O.

Goldberg, A., Owen, L.B. Pitting corrosion and scaling of carbon steels in geothermal brine 9—91843

Goldberg, A.D. *see* Walsh, J.T. 9—62390

Goldberg, B., Klein, W.H. A simplified model for determining the spectral quality of daylight and the availability of solar energy at any location 9—58067

Goldberg, B. *see* Klein, W.H. 9—58070

Goldberg, B. *see* Sager, J.C. 9—62044

Goldberg, B.H. 35 mm optics and the biological photographer 9—71551

Goldberg, E. *see* Hansen, L.F. 9—93612

Goldberg, E.D. *see* Koide, M. 9—88027

Goldberg, H. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Goldberg, H.A. *see* Ho, E. 9—61589

Goldberg, H.A. *see* Reifenberger, R. 9—74068

Goldberg, H.I., Filly, R.A., Korobkin, M., Moss, A.A., Kressel, H.Y., Callen, P.W. Capability of CT body scanning and ultrasonography to demonstrate the status of the biliary ductal system in patients with jaundice 9—92310

Goldberg, I.B. Improving the analytical accuracy of electron paramagnetic resonance spectroscopy 9—52827

Goldberg, I.B., Crowe, H.R., Housley, R.M., Cirlin, E.H. Effect of sample quantity on the results of ferromagnetic resonance studies of lunar samples 9—70971

Goldberg, J. Observation of preequilibrium pion evaporation from excited hadrons? 9—80850

Goldberg, J. *see* Berny, L. 9—63524

Goldberg, L., Lee, S.H. Integrated optical half adder circuit 9—76877

Goldberg, M. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347

Goldberg, M. *see* Stuchly, S.S. 9—96647

Goldberg, M.B., Knauer, W., Kuhnen, R., Klumbartzki, G.J., Rosendaal, H.-D., Speidel, K.-H., Gerber, J., Kuntz, F. A curved plunger for time-differential PAC measurements on recoil into gas 9—76313

Goldberg, M.M. Use of Pourbaix diagrams to formulate chemical cleaning treatments for aluminum alloys 9—83380

Goldberg, P. *see* Samson-Dollfus, D. 9—96532

Goldberg, R.M. Information capacity of the radiographic viewbox 9—74746

Goldberg, R.M., Beiber, I. A portable REM-detecting machine 9—92410

Goldberg, R.N. *see* Smith-Magowan, D. 9—100429

Goldberg, V.M., Yarlykov, B.V., Paverman, N.G., Berezina, E.I., Akutin, M.S., Vinogradov, G.V. Mechanical degradation of low density polyethylene under flow conditions 9—50691

Goldberg, V.Z. *see* Artemov, K.P. 9—63688

Goldberg, W. Colour reversal films for 3200K? 9—54207

Gol'dberg, Ye.N. *see* Andreyev, P.A. 9—90333

Goldberger, J. *see* Abshire, G. 9—81124

Goldblum, A., Perahia, D., Pullman, A. Use of the overlap multipole expansion for approximating molecular electrostatic potentials 9—63931

Goldburg, W.I., Schwartz, A.J., Kim, M.W. Spatial and temporal fluctuations in a phase-separating system near the critical point 9—82346

Goldelius, R., Kleinemeier, B., Wiegand, G. Process computers for the control and measurement of the results of the laboratory testing of plastic materials 9—61821

Gol'den, A.D., Bulgakov, V.E., Gimpel'son, V.B., Burd, M.B. The UD-22UM flaw detector for the inspection of materials with large ultrasonic attenuation 9—52585

Golden, D.E. *see* Steph, N.C. 9—54966

Golden, D.M. *see* Chang, J.S. 9—100350

Golden, D.M. *see* Rossi, M. 9—100406

Golden, J. *see* Eden, J.G. 9—98344

Golden, J.M. The problem of a moving rigid punch on an unlubricated viscoelastic half-plane 9—64598

Golden, K.I. Approximation scheme for strongly coupled plasmas: Dynamical theory 9—82059

Golden, K.I. *see* Bakshi, P. 9—90379

Golden, K.I. *see* Calinon, R. 9—94770

Golden, L.M. The effect of surface roughness on the transmission of microwave radiation through a planetary surface 9—75126

Golden, R. *see* Nishimura, J. 9—80153

Golden, S., Tuttle, T.R., Jr. Nature of solvated electron absorption spectra 9—72301

Golden, S. *see* Ingels, F.M. 9—81643

Golden, W.G., Dunn, D.S., Pavlik, C.E., Overend, J. The observation of the 1875 cm^{-1} band in the IR spectrum of CO on polycrystalline Pt 9—65852

Goldenbaum, G.C. *see* Allen, A.W. 9—60182

Goldenberg, D.J., Russell, C.D., Mihas, A.A., Dubovsky, E.V., Logic, J.R. Value of gallium-67 citrate scanning in Crohn's disease: concise communication 9—100719

Goldenberg, T. *see* Lee, T.D. 9—52363, 9—61716

Golder, D.G. *see* Hayashi, Y. 9—79927

Goldfarb, D., Brown, C.W. Collection of gas chromatographic fractions on activated charcoal and identification by infrared spectroscopy 9—79328

Goldfarb, R.B. *see* White, G.O. 9—82762

Goldfarb, W. *see* Frank, J. 9—92452

Goldfeld, A.L. *see* Batuner, Yu.D. 9—49324

Gol'dfel'd, M.G., Khangulov, S.V. Effect of ferricyanide, dark adaptation and ageing on the properties of the EPR signal I of chloroplasts 9—57607

Gol'dfel'd, M.G., Tsapin, A.I., Vozvyshayeva, L.V., Khalilov, R.I. Paramagnetic centres and photochemical reactions of photosystem-2 in sub-chloroplast fragments 9—53061

Gol'dfel'd, M.G. *see* Khangulov, S.V. 9—53062

Goldfinch, A.L. *see* Mikielewicz, J. 9—98790

Goldflam, P. *see* Angenheister, G. 9—57889

Goldflam, R. Quantum mechanical inversion of atom-rigid rotor differential cross sections. The infinite order sudden approximation 9—89736

Goldflam, R., Kouri, D.J. On angular momentum decoupling approximations and factorization in diatom-diatom scattering 9—72397

Goldflam, S. *see* Snoeck, M. 9—66661

Goldfuss, G.T. *see* Spencer, B.W. 9—85669, 9—85671

Goldhaber, G. Psion spectroscopy and charmed particles, a review of e^+e^- annihilation experiments at SPEAR 9—49533

Goldhaber, G. From the ψ/J to charmed mesons. Three years of e^+e^- research at SPEAR 9—63490

Goldhaber, G. Charmed mesons produced in e^+e^- annihilations 9—93444

Goldhaber, G. *see* Abrams, G.S. 9—89149, 9—89174

Goldhaber, G. *see* Rapidis, P.A. 9—75780

Goldhaber, M. *see* Stelts, M.L. 9—54440

Goldhar, J. *see* Murray, J.R. 9—59756

Goldhirsch, I., Levich, E., Yakhot, Y. Exact boson representation of quantum spin systems and investigation of their critical behavior 9—78423

Goldhirsh, J. Predictive methods for rain attenuation using radar and in-site measurements tested against the 28-GHz Comstar beacon signal 9—70839

Goldhirsh, J., Katz, I. Useful experimental results for Earth-satellite rain attenuation modeling 9—70841

Goldina, N.D., Zakharov, M.I. Possibility of designing a reflecting interferometer with predetermined characteristics 9—93206

Golding, B. *see* Graebner, J.E. 9—65163

Golding, B. *see* Schickfus, M.V. 9—61300

Golding, D.L. Calculated snowpack evaporation during chinooks along the eastern slopes of the Rocky Mountains in Alberta 9—79883

Golding, L. *see* Biel, J. 9—89309

Golding, R.M. *see* Bergen, H.A. 9—73841

Goldman, A., Murcray, D.G., Murcray, F.J., Cook, G.R., Van Allen, J.W., Bonomo, F.S., Blatherwick, R.D. Identification of the ν_3 vibration-rotation band of CF_4 in ballon-borne infrared solar spectra 9—100894

Goldman, A.M. *see* Aspen, F. 9—56409, 9—78267

Goldman, A.M. *see* Buitrago, R.H. 9—56084, 9—56344

Gol'dman, A.Ya., Soshina, O.A., Blyakhman, E.M., Gvadybadze, L.B. Prediction of long-term plasticity for a rheologically complex polymer 9—91730

Gol'dman, A.Ya., Tsygankov, S.A. Estimated stress state in the description of the viscoelastic properties of partly crystalline polymers (polytetrafluorethylene) 9—66099

Gol'dman, A.Ya. *see* Matveev, V.V. 9—66191

Gol'dman, A.Ya. *see* Ol'khovik, O.E. 9—57065

Goldman, A.Ya. *see* Tsygankov, S.A. 9—64521

Gol'dman, B.M. *see* Ankilov, A.N. 9—93270

Goldman, D.S., Rossman, G.R. Channel constituents in beryl 9—69863

Goldman, E.B., Delettrez, J.A., Thorsos, E.I. A theoretical interpretation of exploding pusher laser fusion experiments 9—54596

Goldman, J.C., Quinby, H.L., Capuzzo, J.M. Chlorine disappearance in sea-water 9—88372

Goldman, L. Laser effects on blood vessels 9—66505

Goldman, L.M. *see* Berwald, D.H. 9—85790

Goldman, M. *see* Abragam, A. 9—65654

Goldman, M. *see* Bitter, M. 9—82098

Goldman, S.J. *see* Allison, R. 9—55289

Goldman, T., Duong-van, M., Blankenbecler, R. Low-mass lepton pairs from hadron and neutrino beams 9—93401

Goldman, T., Stephenson, G.J., Jr. Is the muon-neutrino mass in the range 100-500 keV? 9—63570

Goldman, T.J., Ross, D.A. A new estimate of the proton lifetime 9—71749

Goldman, V.V. *see* Jochemsen, R. 9—56023, 9—56788, 9—91430

Goldman, Y. *see* Arbib, H.A. 9—66297

Goldmann, A.M. *see* Buitrago, R. 9—56401

Goldoviskii, V.D., Shimon, L.L., Zapesochnyi, I.P., Solomon, A.M. Observation of a 2-electron single-photon transition in Eu III in electron-atom collisions 9—68319

Goldowsky, M. Development of a rigid-vane artificial heart 9—84025

Goldring, G. *see* Niv, Y. 9—85368

Goldsberry, T.G. *see* Reeves, C.R. 9—64469

Goldsberry, T.G. *see* Rohde, D.F. 9—90086
Goldschmidt, Y.Y. *see* Chadha, S. 9—71621
Goldschmidt, Z.B. Atomic properties (free atom) 9—68204
Goldschmidt-Clermont, Y. *see* Deutschmann, M. 9—85345
Gol'dshtein, A.F. *see* Danilevskii, L.D. 9—79005
Gol'dshtein, M.D., Kondrat'ev, V.A., Bagdasar'yan, Kh.S. Study of silverless physical development processes by electrochemical methods. I. Copper ascorbic acid physical developer 9—67413
Gol'dshtein, N.L. *see* Velyus, L.M. 9—52824
Gol'dshtein, R.V. A plane crack of arbitrary fracture in an elastic medium 9—81805
Gol'dshtein, R.V., Osipenko, N.M. Fracture and formation of structures 9—86385
Gol'dshtein, S.L. *see* Alekseenko, N.N. 9—70006
Gol'dshtein, Ya.E., Chuvatina, S.N., Shmatko, M.N., Sergeeva, L.V. Effect of small yttrium additions on the hot plasticity of corrosion-resistant steels and an alloy of the austenitic class 9—83270
Gol'dshtik, M.A., Khanin, V.M. Interaction of a cylinder with a free surface and a jet 9—64725
Gol'dshtik, M.A., Lebedev, A.V., Sorokin, V.N. Valve effect in a granular bed 9—72938
Gol'dshtik, M.A., Shtern, V.N. The functional smoothing method in turbulence problems 9—86407
Gol'dshtik, M.A., Shtern, V.N. The single-harmonic theory of wall turbulence 9—98699
Gol'dshtik, M.A., Zametalin, V.V. Reduction of turbulent friction in viscoelastic fluids 9—86408
Gol'dshtik, M.A. *see* Vaisman, A.M. 9—77236
Goldsmid, H.J., Goldsmid, S.E. A simple thermal comparator for testing gemstones 9—80613
Goldsmid, H.J., Gray, A.S. Thermoelectric refrigeration at very low temperatures 9—93147
Goldsmid, H.J. *see* Knittel, T. 9—65263
Goldsmid, S.E. *see* Goldsmid, H.J. 9—80613
Goldsmith, J.E.M., Ferguson, A.I., Lawler, J.E., Schawlow, A.I. Doppler-free two-photon optogalvanic spectroscopy 9—89656
Goldsmith, J.E.M., Weber, E.W., Kowalski, F.V., Schawlow, A.L. Precision interferometer calibration technique for wavelength measurements: iodine wavelengths at 633 nm and Hα 9—80696
Goldsmith, J.E.M. *see* Lawler, J.E. 9—50169
Goldsmith, M. *see* Damadian, R. 9—62327
Goldsmith, N. *see* Berkman, S. 9—82498
Goldsmith, P.F., Litvak, M.M., Plambeck, R.L., Williams, D.R.W. Carbon monoxide mixing ratio in the mesosphere derived from ground-based microwave measurements 9—58036
Goldsmith, S., Brite, D.W. Fabrication of metal-clad thorium ceramic recycle fuels 9—59244
Goldsmith, W. *see* Barez, F. 9—64562, 9—64604
Goldsmith, W. *see* Reber, J.G. 9—79579
Goldstein, B.E. *see* Suess, S.T. 9—96936
Goldstein, B.E. *see* Wolff, R.S. 9—75128
Goldstein, Ch. *see* Arianer, J. 9—72166
Goldstein, D.A. Calculation of the concentrations of free cations and cation-ligand complexes in solutions containing multiple divalent cations and ligands 9—62169
Goldstein, G., Scheid, M.P., Boyse, E.A., Schlesinger, D.H., Van Wauwe, J. Antibody-selective membrane electrodes 9—84058
Goldstein, G.R., Haridas, P. Duality, exchange-degeneracy breaking, and exotic states 9—93387
Goldstein, G.R., Maharana, J. Diquark constituents of baryons and baryonium 9—93383
Goldstein, G.W. *see* Betz, A.L. 9—57616
Goldstein, J.A., Knill, R.J. Fixed point theorems involving radial compactness and angle conditions 9—71228
Goldstein, J.A., Sandefur, J.T., Jr. Abstract equipartition of energy theorems 9—71273
Goldstein, J.C. *see* Bohachevsky, I.O. 9—86602
Goldstein, J.I. *see* Moren, A.E. 9—66964
Goldstein, J.I. *see* Hren, J.J. *(editor)* 9—97479
Goldstein, J.L., Anderson, R.G.W., Brown, M.S. Coated pits, coated vesicles, and receptor-mediated endocytosis 9—74611
Goldstein, L. Formal treatment of some low-temperature properties of melting solid helium-3 9—69315
Goldstein, L. *see* Nogues, M. 9—78374
Goldstein, L.S., Phillips, T.L., Ross, G.Y. Enhancement by fractionation of biological peak-to-plateau relative biological effectiveness ratios for heavy ions 9—62309
Goldstein, M., Greenspan, E. Geometrical imaging and surface sources in the recursive Monte Carlo method 9—85578
Goldstein, M., Shvarts, D. A recursive Monte Carlo technique for generating importance functions 9—59272
Goldstein, M. *see* Oron, M. 9—67438
Goldstein, M.E. Scattering and distortion of the unsteady motion on transversely sheared mean flows 9—59997
Goldstein, M.E. Turbulence generated by the interaction of entropy fluctuations with non-uniform mean flows 9—81851
Goldstein, M.L., Eviatar, A. An emission mechanism for the Io-independent Jovian decameter radiation 9—62788
Goldstein, M.L., Eviatar, A., Thieman, J.R. A beaming model of the Io-independent Jovian decameter radiation based on multipole models of the Jovian magnetic field 9—53755
Goldstein, N., Ragle, J.L. Deuteron quadrupole coupling in hydrogen-bonding systems. III. Pyridinium salts 9—78563
Goldstein, N.P. Statistical errors in radiation monitoring using continuous collecting and counting 9—54603
Goldstein, R., Goss, W.C. Fiber optic rotation sensor (FORS) laboratory performance evaluation 9—98497
Goldstein, R. *see* Goss, W.C. 9—54111
Goldstein, R. *see* Gutnick, H.N. 9—96576
Goldstein, R. *see* Vivion, M.C. 9—100632
Goldstein, R.J. *see* Kuehn, T.H. 9—55382
Goldstein, S.A. *see* Humphries, S., Jr. 9—89512
Goldstein, S.A. *see* Widner, M.M. 9—86591
Goldstein, S.J., Rood, R.T., Turner, K.C. Fluctuations in the background radiation at 1394 MHz 9—53941
Goldstein, S.R., Bonner, R.F., Dedrick, R.L., Grantham, F.H., Gullino, P. A fiber optic microfluorimeter for acute and chronic in-vivo animal studies 9—92455
Goldstein, Y., Grinshpan, Y., Many, A. Negative magnetoresistance in quantized accumulation layers on ZnO surfaces 9—69529
Goldstein, Y. *see* Eger, D. 9—60920
Goldstein, Y. *see* Grinshpan, Y. 9—60909
Goldstein, Y. *see* Nitzan, M. 9—73509
Goldstick, J. *see* Batchelor, K. 9—72086
Goldston, R. *see* Eubank, H. 9—82074
Goldston, R.J. *see* Suckewer, S. 9—77400
Goldstone, P.D. *see* Blann, M. 9—54452
Goldstraw, D. Surface treatment for iron and steel in a nontoxic salt bath 9—83398
Gole, J.L. *see* Lindsay, D.M. 9—50033
Gole, S. *see* Ito, K. 9—100170
Golebiewska, A.A. The problem of wave propagation in periodically reinforced elastic body: plane strain 9—81803
Golebiewski, A. New iterative scheme for a simultaneous calculation of m first eigenstates of a real symmetric matrix 9—85888
Golechek, L.I. *see* Tischenko, Z.V. 9—69034
Golecki, I., Chapman, G.E., Lau, S.S., Tsaur, B.Y., Mayer, J.W. Ion-beam induced epitaxy of silicon 9—69378
Golecki, I., Kennedy, E.F., Lau, S.S., Mayer, J.W., Tseng, W.E., Eckardt, R.C., Wagner, R.J. Heteroepitaxy of a deposited amorphous germanium layer on a silicon substrate by laser annealing 9—77952
Golecki, I. *see* Kennedy, E.F. 9—51152, 9—69134
Golecki, I. *see* Lau, S.S. 9—69374
Golecki, I. *see* Liau, Z.L. 9—69147
Golenetskii, S.P. *see* Zaletin, V.M. 9—72203
Golenetskii, S.V. *see* Mazets, E.P. 9—58449, 9—88765, 9—88766
Golenia, W. *see* Sostarich, M. 9—91014
Golenishchev-Kutuzov, V.A. *see* Vladimirtsev, Yu.V. 9—73893
Golestaneh, A.A. *see* Amir-Arjomand, S. 9—54342
Golger, A.L., Gudzenko, L.I., Yakovlenko, S.I. Direct conversion of solar energy into laser radiation 9—59688
Golic, L. *see* Drofenik, M. 9—60318
Golikov, A.M. *see* Yalamov, Yu.I. 9—55408
Golikov, A.P. *see* Gurari, M.L. 9—76796
Golikov, Yu.K., Kolomenkov, V.Yu. Invariance of the order of focusing of two-dimensional streams of particles 9—94140
Golionko, I.Yu., Ignat'ev, E.B. Autocollimation equipment for testing surveyors' levels 9—67369
Golitsyn, G.S. Estimates of the turbulent state of the atmosphere near the surface of Venus from the data of Venera 9 and Venera 10 9—62780
Golitsyn, G.S. Atmospheric dynamics on the outer planets and some of their satellites 9—75125
Golitsyn, G.S. Convection in the ice crusts of satellites and its effect on surface relief 9—84730
Golitsyn, G.S. Convection energy of a viscous fluid 9—86436
Golizdra, G.Ya. Combined application of gravity and seismic methods in the study of the Earth's crust 9—74987
Golizdra, G.Ya. The interpretation of residual gravity anomalies 9—88232
Golja, B., Nassibian, A.G. Ar ion implant damage gettering of generation impurities in silicon employing voltage ramping and nitrogen backscattering 9—95502
Goljer, I. *see* Valko, L. 9—59356
Golka, J. Interaction between shallow hydrogen-like donors, diatomic and triatomic impurity molecules 9—82541
Golka, J., Pavlidou, E., Piela, L. Far-infrared absorption in highly doped semiconductors 9—95787
Gollan, F. *see* Kizakevich, P.N. 9—70668
Golli, B. *see* Erdahl, R.M. 9—88870
Golli, S.El *see* El Golli, S.
Gollin, G.D. *see* Clark, A.R. 9—75779
Gollisch, H., Fritsche, L. Binding energy calculations for metal aggregates 9—51464
Gollon, P.J. *see* Dris, M. 9—49491
Gollub, J.P. *see* Fenstermacher, P.R. 9—94630
Golmayo, D. *see* Briones, F. 9—78225
Golnik, A. *see* Wojtal, R. 9—65908
Golo, V.L., Monastyrsky, M.I. Chiral fields and ^{3}He 9—55991
Golo, V.L., Monastyrsky, M.I. Gauge group and phases of superfluid ^{3}He 9—55992
Golob, J.E. *see* Lyons, P.B. 9—50420
Golob, J.E. *see* Nelson, M.A. 9—54173
Golod, I.S., Kossarskii, Yu.S., Shurbelev, P.A. Acousto-optical light modulator 9—89027
Golod, M.I. *see* Rokityanskii, I.I. 9—96737
Golokhvastov, A. *see* Aksinenko, V. 9—97713
Golokhvastov, A.I. On energy dependence of multiplicity of negative particles in pp interactions 9—80860
Gololobov, E.M. *see* Pan, V.M. 9—78076
Gololobov, I.M., Granovskii, E.A. Limit of the propagation of a luminescing flame with respect to the pressure 9—100376
Golomazov, V.M. *see* Funke, V.F. 9—66097, 9—69267
Golombek, M.P. *see* Wise, D.U. 9—75134
Golonzhka, V.N., Gorban', I.S., Gumenyuk, A.F. Influence of electrical surface properties on thermally stimulated effects in ferroelectric $Ba_2NaNb_5O_{15}$ 9—73885
Goloshchapov, S.I. *see* Chekmarev, V.P. 9—78566
Golosinskii, S.Ya. *see* Voronov, N.I. 9—76800
Goloskokov, E.G. *see* Beshenkov, S.N. 9—64396
Goloskokov, S.V., Koudinov, A.V., Kuleshov, S.P. Nonautomodel corrections in the large angle scattering of particles with spin 9—54360
Golovach, I.I., Gerasimenko, V.S., Slivka, V.Yu., Dovgoshei, N.I., Bogdanova, A.V., Golovei, M.I. Vibrational spectra of glasses in Ag-As-S system 9—65901
Golovach, I.P. *see* Kharitinych, N.E. 9—70272
Golovachev, M.G. *see* Timokhin, A.N. 9—70243
Golovachik, V.T., Kustarjev, V.N., Lebedev, V.N., Chimankov, M.N. Interpretation of multidetector technique readings for dose equivalent determination 9—49875
Golovanenko, S.A., Popova, L.V., Zikeev, V.N., Malkin, V.I., Izvol'skii, V.V., Kalner, D.B. Relationship between susceptibility to hydrogen sulfide embrittlement and the mechanical properties of steel 09G2 with differences in alloying 9—91797
Golovanenko, Yu.S. *see* Gulyaev, A.P. 9—96054
Golovanev, Yu.M. *see* Kuz'menko, V.A. 9—83426
Golovanov, A.L., Klipov, A.D., Permitin, V.E., Trukhin, M.K., Senopal'nikov, V.M. Crystallisation under conditions of forced mixing of liquid metal in ingot mould 9—52192
Golovanov, L.B., Mazarskii, V.L., Tsvinev, A.P. Cryogenic target containing liquid helium, hydrogen, and deuterium 9—68111
Golovanov, V.P. *see* Mazur, A.I. 9—64730
Golovanov, V.V. *see* Kebadze, B.V. 9—97839
Golovanova, N.F., Il'in, I.M. Spectroscopic data on the quasielastic ejection of nucleon clusters from 1p-shell nuclei 9—80931
Golovanova, N.F. *see* Neudatchin, V.G. 9—75874
Golovashkin, A.I., Levchenko, I.S., Motulevich, G.P. Correlation of the critical temperature of superconductors with their electronic and phonon properties 9—69620
Golovashkin, A.I., Lykov, A.N., Prishchepa, S.L. Applicability of the vortex model for bridge junctions of superconductors with an A15 lattice 9—60986
Golovashkin, A.I., Pechen', E.V. Role of oxygen in the formation of the structure of Nb_3Ge films with high critical temperatures 9—60950
Golovashkin, A.I., Shelekhov, A.L. Determination of the electronic characteristics of metals and alloys from their modulation optical spectra in the interband absorption band region 9—87421
Golovchenko, J. *see* Andersen, S.K. 9—97482
Golovchenko, J.A. *see* Auston, D.H. 9—69117, 9—69121, 9—78796
Golovchenko, J.A. *see* Surko, C.M. 9—69918, 9—74023
Golovchenko, J.A. *see* Venkatesan, T.N.C. 9—73198, 9—95036
Golovchenko, O.L. *see* Tovbin, M.V. 9—51395
Golovchenko, Yu.M. *see* Voloshchuk, A.I. 9—74226
Golovei, M.I. *see* Golovach, I.I. 9—65901
Golovicher, L.E. *see* Zhuk, I.P. 9—61301, 9—87383
Golovichev, V.I., Grishin, A.M., Agranat, V.M., Bertsun, V.N. Thermokinetic oscillations in distributed homogeneous systems 9—79253
Golovin, A.E., Zadokhin, G.I., Zemlyanov, M.G., Karpov, N.I., Krasnikov, Yu.M., Moryakov, V.P., Naumov, I.V., Parshin, P.P., Rumyantsev, A.Yu., Somenkov, V.A., Chernoplekov, N.A. Fully automatized triaxial crystal neutron spectrometer 9—97925
Golovin, A.M. A phenomenological theory of turbulence 9—98700
Golovin, I.N., Kolbasov, B.N., Orlov, V.V., Pistunovich, V.I., Shatalov, G.E. The nuclear fuel problem and fusion-fission hybrid reactors 9—76123
Golovin, V.N. *see* Somov, A.I. 9—100128
Golovin, Yu.M. *see* Moroz, V.I. 9—66949
Golovin, Yu.M. *see* Moshkin, B.E. 9—88612

Golovina, N.I. *see* Atovmyan, L.O. 9—86781

Golovinskii, P.A., Zon, B.A. Dynamic polarizability of the negative hydrogen ion 9—76526

Golovkin, S.V., Dzhelyadin, R.I., Zaitsev, A.M., Konstantinov, V.F., Kubarovskii, V.P., Landsberg, L.G., Leontiev, V.M., Mukhin, V.A., Obraztsov, V.F., Petrunina, T.I., Pokrovskii, N.S. Muon pair production with low masses, $M(\mu^+\mu^-)<1$ GeV/c^2 in π^-N collisions for momenta 27 and 40 GeV/c 9—89212

Golovkin, S.V. *see* Dzhelyadin, R.I. 9—67556

Golovkin, S.V. *see* Victorov, V.A. 9—67546

Golovko, A.G. Temperature dependence of low-frequency voltage fluctuations in direct-biased p-n junctions 9—56298

Golovko, A.G. The 1/f noise in barrier layers 9—82666

Golovko, E.I. *see* Voitovich, R.F. 9—52460, 9—74301, 9—96172, 9—100298

Golovko, V.F. *see* Budov, V.M. 9—97785

Golovkov, A.A. *see* Volkonskii, V.B. 9—72689

Golovkov, N.A. *see* Vylov, Ts. 9—75917

Golovner, T.M. *see* Bordina, N.M. 9—83594, 9—96441

Golovnina, I.P. *see* Pugina, L.I. 9—96070

Golovyashkina, L.V., Nakhodkin, N.G. Prediction of characteristics of medium energy electrons inelastic scattering in multicomponent targets 9—91548

Golton, E., Dunford, E. Image processing for the IUE satellite 9—80234

Gol'tsev, A.V., Lang, I.G., Pavlov, S.T. Zero-phonon Raman scattering of light in semiconductors 9—69843

Goltsev, A.V., Lang, I.G., Pavlov, S.T. Electron-phonon and electron Raman scattering in polar semiconductors in high magnetic fields 9—91438

Goltsev, V.P. *see* Bulyga, B.B. 9—67870

Gol'tsev, V.P. *see* Drugachenok, M.A. 9—61907

Gol'tsman, B.M. *see* Boikov, Yu.A. 9—69304

Gol'tsman, F.M. Problems of the statistical information theory of the interpretation of geophysical observations 9—84510

Gol'tsman, F.M., Kut'ina, O.G., Pakhomov, A.A., Sergeeva, N.M. Boundary delineation with respect to preassigned parameters of reflecting areas 9—74857

Gol'tsman, G.N. *see* Blagosklonskaya, L.E. 9—82634

Goltsman, G.N. *see* Gershenzon, E.M. 9—51532, 9—82624, 9—82625

Gol'tsman, G.V. Problem of the thermodynamic cycles of muscle 9—53049

Goltz, G. *see* Lubitz, K. 9—74086

Goltz, G. *see* Munzing, W. 9—60359

Goltzene, A., Poiblaud, G., Schwab, C. EPR investigations of the defect chemistry of semi-insulating GaAs:Cr 9—99754

Goltzene, A., Schwab, C. Impurity scattering effect on the cyclotron resonance of carriers in Cu_2O 9—56614

Golub, A.A. *see* Eselson, B.N. 9—55985

Golub, L., Davis, J.M., Krieger, A.S. Anticorrelation of X-ray bright points with sunspot number, 1970-1978 9—53789

Golub, M.A. *see* Gemmer, R.V. 9—51872

Golub, R. Parity violation in the neutron's gravitational interaction 9—58617

Golub, R. On the storage of neutrons in superfluid ^{4}He 9—86948

Golub, V.P. Determining the cyclic creep deformations of heat-resistant nickel alloys 9—100234

Golubenko, G.S. *see* Es'kova, N.F. 9—61776

Golubenko, Yu.G. *see* Nemirovskii, A.Z. 9—60204

Golubev, A.I. *see* Sadovoi, A.A. 9—54756

Golubev, A.N. *see* Prilepin, M.T. 9—80057

Golubev, E.G., Zinchenko, A.I. Accuracy of industrial geophysical data processing using a special purpose digital computer 9—62587

Golubev, L.I., Berezovets, A.M., Eremin, A.N., Ignatenko, E.M., Inikhov, A.G., Kruglov, V.P., Lobov, V.I., Lomakin, S.S., Panfilov, G.G., Petrov, V.I., Fursov, V.V. Study of neutron fields in channels of ionization chambers of water-moderated-water-cooled power reactors 9—71878

Golubev, L.I., Ilyasov, V.M., Novikov, Yu.B., Belysheva, L.Yu., Suprun, N.N. Estimation of tritium buildup in water-moderated-water-cooled power reactors with allowance for ^{6}Li contribution 9—97833

Golubev, L.I., Lyukov, V.F., Plotnikov, I.M., Sedov, V.K., Smirnov, A.A., Sotnikov, A.F. Deactivation of stream generators of Novovoronezhskaya atomic power plant 9—71921

Golubev, L.I. *see* Zykov, K.I. 9—97933

Golubev, L.V. *see* Abdullaev, G.B. 9—99883

Golubev, L.V. *see* Allakhverdiev, K.R. 9—56804

Golubev, L.V. *see* Vodop'yanov, L.K. 9—69846

Golubev, N.F., Latyshev, A.V., Tkachev, V.D. Interaction of primary radiation defects with gold atoms in p-type Ge:Au 9—51145

Golubev, S.G., Lokhov, Yu.N., Fiveiskii, Yu.D. Absorption of energy of single laser pulse focused into body of solid optically transparent dielectric 9—55167

Golubev, V.A., Klimkin, V.F. Investigation of submerged turbulent gas jets with different densities 9—72922

Golubev, V.A., Klimkin, V.F., Makarov, I.S. Trajectories of single jets of different densities propagating in a deflecting airstream 9—86480

Golubev, V.G. Some estimates in the unbounded three-body problem in the case where the motion of one of a pair of bodies is absolutely stable in the sense of Hill 9—84946

Golubev, V.G., Emel'yanenko, O.V., Ivanov-Omskii, V.I. Photoelectric investigation of cyclotron resonance in GaAs 9—82638

Golubev, V.G., Zakharov, P.N., Mokrov, A.P. Calculation of diffusion coefficient constants for a multi-component system 9—90815

Golubev, V.G. *see* Barannikov, A.L. 9—55579

Golubev, V.P., Vasichev, B.N., Buklova, O.A. Connection between the spatial frequency distortions and the resolution of a raster electron microscope operating in the secondary-electron-emission regime 9—93259

Golubev, V.S. Plasma propagation in gas breakdown close to a target irradiated by a CO_2 laser pulse 9—55476

Golubev, V.S. *see* Abil'siitov, G. 9—94254

Golubev, V.S. *see* Barkalov, A.D. 9—55584

Golubev, V.S. *see* Bondarenko, A.V. 9—55582, 9—99010

Golubev, Yu.M. Statistics of the electromagnetic field radiated in a two-photon process 9—98334

Golubeva, N.G. *see* Kondilenko, I.I. 9—73924

Golubitsky, M., Schaeffer, D. Imperfect bifurcation in the presence of symmetry 9—72828

Golubkin, V.N. Effect of slip on the aerodynamic characteristics of a wing at hypersonic speed 9—81917

Golubkov, G.V., Yegorov, V.V., Kuznetsov, N.M. The role of direct transitions into a continuum during thermal ionizations of atoms by electrons 9—98858

Golubkov, V.V., Petrov, V.I., Spivak, G.V. Dynamics of Neel wall transitions into cross-tie walls 9—95619

Golubkov, Yu.A., Konoplich, R.V., Nikitin, Yu.P. Production of vector mesons in hadron-nucleon collisions and transversal motion of partons 9—67617

Golubnichii, P.I., Kalyuzhnyi, G.S., Kudlenko, V.G., Savchenko, R.T., Yakovlev, V.I. Cavitation detection of heavy nuclei and multiparticle effects in the interaction of ultrarelativistic particles 9—84617

Golubovskii, E.R., Trunin, I.I. Temperature-time dependence of long-time structural strength 9—100232

Golubtsov, A.A. *see* Pilipetskii, N.F. 9—86207

Golubtsov, K.V. *see* Byzov, A.L. 9—57645

Golubyatnikov, M.I. *see* Shstopal, Yu.T. 9—52526

Golushko, V.V. *see* Adamovskii, L.A. 9—93761

Golushko, V.V. *see* Afanas'ev, V.A. 9—97832

Golushko, V.V. *see* Kebadze, B.V. 9—71924

Golyak, I.G. *see* Takibaev, Zh.S. 9—49560

Golynskiy, S.M. Anisotropy of scattering of rays in a linear layer with ellipsoidal inhomogeneities 9—62662

Golynskiy, S.M., Gusev, V.D. Frequency dependence of angular wave fluctuations in a plane-stratified isotropic medium 9—53627

Gol'zand, I.V., Chursin, V.I., Astapov, Yu.V. Computer analysis of echohepatograms in children 9—57728

Gomaa, M.A., Kasim, S.A., Abu-el Ela, M.A. Development of albedo track dosimeter 9—85816

Gomaa, M.A., Mohamed, E.J. Neutron dosimetric measurements using ^{3}He detectors 9—63819

Goman, V.G., Dymov, G.D., Shipunov, M.N. Characteristics of local heat exchange during interaction of an axisymmetrical jet with the lateral surface of a cylinder 9—60043

Goman'kov, V.I., Mokhov, B.N. Concentration ferro-antiferromagnetic transition and magnetic structure of the γ-phase in the Fe-Ni system 9—91231

Gomankov, V.I., Mokhov, B.N., Nogin, N.I. Concentration ferro-antiferromagnetic transitions in systems based on Fe 9—99699

Goman'kov, V.I., Ravdel', M.P., Nogin, N.I., Petrova, O.N., Evdokimova, O.I. Magnetic and crystal structure of alloys of the Mn-Ga system 9—65649

Gomati, M.M.El *see* El Gomati, M.M.

Gomay, Y., Clausing, R.E., Colchin, R.J., Emerson, L.C., Heatherly, L., Namkung, W., Simpkins, J.E. Wall conditioning by low power discharge in the ISX-A Tokamak 9—90438

Gomay, Y., Konoshima, S., Fujisawa, N., Kasai, S., Maeno, M., Suzuki, N., Hirayama, T., Shimada, M. Molybdenum, carbon and silicon carbide limiter experiment in the JFT-2 tokamak 9—85768

Gomay, Y. *see* Maeno, M. 9—98984

Gomayurov, A.I. *see* Velyus, L.M. 9—52824

Gombosi, T., Cravens, T.E., Nagy, A.F., Brace, L.H., Owens, A.J. Plasma diffusion into the wake of Venus 9—80257

Gombosi, T., Kecskemety, K., Pinter, S. On the connection of interplanetary shock wave parameters and energetic storm particle events 9—70935

Gombosi, T. *see* Gringauz, K.I. 9—80259

Gomelauri, G.V., Manenkov, A.A. Investigation of damage induced in crystals by radiation from a CaF_2:Er^{3+} laser (λ=2.76 μ) 9—91539

Gomer, R. Recent applications of field emission microscopy 9—65982

Gomer, R. On the mechanism of liquid metal electron and ion sources 9—85845

Gomer, R. *see* Horne, K. 9—80321

Gomer, R. *see* Richter, L. 9—65983

Gomer, R. *see* Wang, C. 9—82464

Gomes, J.C. *see* Guimarães, J.R.C. 9—56978

Gomes, M. *see* El Afioni, M. 9—49397, 9—63368

Gomes, R.P. *see* Lordello, A.R. 9—59232

Gomez, F.Norte *see* Norte Gomez, F.

Gomez, G. *see* Boya, L.J. 9—63422

Gomez, J.M. *see* Luque, A. 9—61999

Gomez, M.T. The infrared solar spectrum: the continuous spectrum 9—88638

Gomez, R. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Gomez, R.B. A modeling program for the prediction of atmospheric effects on E-O sensor performance 9—53522

Gomez, R.B. *see* Pierluissi, J.H. 9—58095, 9—76400

Gomez Balboa, A.M. *see* Marques Dos Santos, P. 9—75286

Gomez del Campo, J., Dayras, R.A., Biggerstaff, J.A., Shapira, D., Snell, A.H., Stelson, P.H., Stokstad, R.G. Comparison of fusion cross sections for $^{16}B+^{16}O\rightarrow^{26}Al$ and $^{12}C+^{14}N\rightarrow^{26}Al$ 9—71873

Gomez del Campo, J., Stokstad, R.G., Biggerstaff, J.A., Dayras, R.A., Snell, A.H., Stelson, P.H. Fusion and peripheral reactions of $^{12}C+^{14}N$ at energies up to 13 MeV/A 9—67771

Gomez del Campo, J. *see* Bair, J.K. 9—71860

Gomez Del Campo, J. *see* Cordell, K.R. 9—75815

Gomez del Campo, J. *see* Moak, C.D. 9—51178

Gomez Del Campo, J. *see* Shapira, D. 9—76250

Gomez Ordonez, J. *see* De La Rubia, J. 9—90502

Gomez R., A. *see* Yacaman, M.J. 9—90659

Gomez Sal, J.C. Special magnetic behaviour of Ho $Ni_{0.7}$ $Cu_{0.3}$ in the Ho Ni_{1-x} Cu_x series of compounds 9—99688

Gomez-Reino, C., Mejias Arias, P.M. Optical determination of the real or complex correlation functions between two signals 9—76611

Gomez-Reino Carnota, C., Benito, M.A.V. The unique Kirchhoff solution 9—59628

Gomez-Reino Carnota, C., Martinez Herrero, M.R. Scalar diffraction model for small apertures 9—59629

Gomez-Sal, J.C., Gignoux, C. Ferromagnetic behaviour of $Ho_{1-x}Y_xNi$ ternary compounds 9—99677

Gomi, M., Abe, M., Nomura, S. Anisotropy of the Faraday rotation in the orthoferrites $SmFeO_3$ and $YFe_{1-x}Co_{x/2}Ti_{x/2}O_3$ 9—61341

Gomi, M. *see* Abe, M. 9—65661

Gomi, T. *see* Shirai, K. 9—81656

Gomis, J. *see* Benavent, F. 9—63025

Gomoyunova, M.V., Zaslavskii, S.L., Pronin, I.I. Orientation effects in Auger electron spectroscopy of single-crystal molybdenum 9—69928

Gomoyunova, M.V., Zaslavskii, S.L., Pronin, I.I. Anisotropic ionization loss of electrons in a molybdenum single crystal 9—69935

Gomoyunova, M.V., Zaslavskii, S.L., Pronin, I.I. Anisotropy of secondary electron emission from oblique incidence of electrons on Mo{100} 9—99999

Gompels, B.M. High definition imaging of carotid arteries using a standard commercial ultrasound 'B' scanner. A preliminary report 9—88142

Gompf, F. *see* Weber, W. 9—99283

Goncalves, A.M.Ponte *see* Ponte Goncalves, A.M.

Goncalves, F.A., Kestin, J. The viscosity of $CaCl_2$ solutions in the range 20-50°C 9—77792

Goncalves, L.L., Elliott, R.J. Thermal properties of the XY model on a linear chain in random fields with application to PrES 9—65679

Goncalves, N.F., Charry, E. Influence of Φ_{MS} (T) in the determination of the Si-SiO_2 surface states 9—99597

Goncalves da Silva, C.E.T. Disordered Ising spin system on a Cayley tree 9—51783

Goncalves da Silva, C.E.T. Sum rules and inelastic neutron scattering in paramagnetic intermediate-valence compounds 9—61037

Goncalves da Silva, C.E.T. Single-ion approach to the susceptibility of an intermediate valence compound paramagnetic TmSe 9—61042

Goncalves da Silva, C.E.T. Heuristic model for magnetic-nonmagnetic transitions in intermediate-valence systems 9—73718

Gonchar, N.A., L'vov, Yu.M., Samsonidze, T.G., Semina, L.A., Feigin, L.A. Quarternary structure of histidine decarboxylase as shown by the results of X-ray low angle scatter and electron microscopy 9—92129

Gonchar, N.A. *see* Feigin, L.A. 9—55613

Gonchar, N.A. *see* L'vov, Yu.M. 9—53025

Gonchar, N.I. *see* Mitin, R.V. 9—55568
Gonchar, S.T. *see* Volgin, L.I. 9—67244
Gonchar, V.Yu. *see* Kirichenko, Yu.V. 9—49577, 9—59030
Goncharov, A.F. *see* Gasanly, N.M. 9—55842
Goncharov, E.E., Gruzintsev, A.I., Ryabova, G.G. Device for determining track density in a solid-state detector 9—85859
Goncharov, E.N. Problem of planning statistical acceptance monitoring when using flaw detection methods 9—91901
Goncharov, I.G., Garchev, A.P., Dedushenko, K.B., Zverkov, M.V., Kovalenko, V.A., Konyaev, V.P. Temporal and spectral characteristics of a distributed-feedback semiconductor laser pumped by an electron beam 9—94238
Goncharov, I.G., Grachev, A.P., Dedushenko, K.B., Zverkov, M.V., Konyaev, V.P. Coupling radiation out of a distributed-feedback semiconductor laser excited by an electron beam 9—90038
Goncharov, I.G. *see* Borodulin, V.I. 9—89933
Goncharov, L.A., Egorov, K.G., Kervalishvili, P.D., Leonov, P.A., Orlov, P.B., Khorvat, A.M. Behavior of boron in Ge single crystals grown by the Czochralski method 9—95042
Goncharov, L.A., Kervalishvili, P.D. Behavior of Be as an impurity during crystallization of Ge by the Czochralski method 9—95043
Goncharov, L.A. *see* Borodovskii, Ya.A. 9—51598
Goncharov, N.Yu. *see* Abranin, E.P. 9—75195
Goncharov, V.A. *see* Feldman, Y.D. 9—85149
Goncharov, V.F. *see* Apollonov, V.V. 9—72603
Goncharov, V.F. *see* Bystrov, P.I. 9—55867, 9—81683, 9—86329
Goncharov, V.G. *see* Novikov, I.I. 9—51282
Goncharov, V.K. *see* Min'ko, L.Ya. 9—74031
Goncharov, V.N. Optimisation of parameters of a wideband UHF light modulator in a cylindrical waveguide 9—94344
Goncharov, V.N. Effect of light beam parameters on the modulation coefficient of a UHF optical modulator in a cylindrical waveguide 9—94345
Goncharov, V.V. *see* Vintman, Z.L. 9—54189
Goncharov, Yu.V. *see* Volkonskii, V.B. 9—72689
Goncharova, G.I., Kuchumov, E.V. An investigation of the acoustic characteristics of work rooms 9—81636
Goncharova, V.A. *see* Voronov, F.F. 9—60434, 9—95073
Goncharskii, A.V., Tivkov, S.M., Khromov, G.S., Yagola, A.G. Investigation of the spatial structure of a planetary nebula by mathematical modelling 9—101188
Goncharuk, I.N., Davydov, V.Yu., Ivanova, E.A., Chisler, E.V. Second-order vibrational spectra and dispersion of phonon branches of ferroelectric $NaNO_2$ 9—69847
Gonchukov, S.A., Kornilov, S.T., Protsenko, E.D. Tunable CO_2 waveguide laser 9—64249
Gonda, S. *see* Mukai, S. 9—78117
Gonda, S. *see* Yoshida, S. 9—83038
Gonder, A. *see* Basar, E. 9—74627
Gondhalekar, A., Overskei, D., Parker, R.R., West, J. Classical energy confinement in Alcator 9—60172
Gondhalekar, A. *see* Overskei, D.O. 9—60173
Gondi, P., Cavallini, A., Castaldini, A. Hall effect results on Ge deformed at relatively low temperatures 9—82612
Gondi, P. *see* Bonetti, E. 9—91727
Gondo, Y. *see* Kakuno, K. 9—65705
Gondra, A.D., Kozlov, N.A. Divergence of the radiation emitted by an organic dye laser 9—94228
Gondra, A.D., Kozlov, N.A. Hydroacoustic perturbations of the active medium of liquid lasers 9—94229
Gonfalone, A. *see* Mozer, F.S. 9—70930
Gong Chang-de *see* Cai Jun-dao 9—91177
Gong Changde *see* Cai Jundao 9—78251
Gong-ou Xu *see* Xu Gong-ou
Gonidec, A. *see* Prescott, C.Y. 9—75776
Gonnard, P. *see* Eyraud, L. 9—51908
Gonnenwein, F. *see* Weissenberger, E. 9—76260
Gonnet, B. *see* Ginier, R. 9—63727
Gonopol'skii, A.M., Dautov, A.I., Ismagilov, R.Kh., Slobodkina, F.A. Applicability of a one-dimensional model to the calculation of the properties of a plasma generator 9—64881
Gonor, A.L., Yakovlev, V.Ya. Impact of a drop on a solid surface 9—64747
Gonor, A.L., Yakovlev, V.Ya. Dynamics of the impact of a drop on a solid surface 9—86488
Gonsalves, J.W., Moss, R.E. On the relativistic corrections for H_2^+ 9—54985
Gonsalves, R.J. *see* Celmaster, W. 9—63416
Gonser, U., Nasu, S., Kappes, W. Mossbauer spectroscopy of Fe-Ni and Fe-Pt alloys 9—56639
Gontar', A.G. *see* Vishnevskii, A.S. 9—69550
Gontier, Y., Trahin, M. Multiphoton ionisation and light statistics: application to the caesium atom 9—72287
Gontovaya, L.I., Kalyuzhnaya, L.T. Distinguishing of abyssal fractures in the north-western part of the Ukrainian Shield (as based on DSS data) 9—96746
Gonukova, N.O., Rekhson, S.M. Deformation of glass in the glass-transition interval 9—66137
Gonusek, M. *see* Vylov, Ts. 9—75917
Gonzales, C.A. *see* Kelley, M.C. 9—70914
Gonzales-Arroyo, A., Lopez, C., Yndurain, F.J. Second-order contributions to the structure functions in deep inelastic scattering. I. Theoretical calculations 9—71688
Gonzales-Gomez, C. *see* Lopez-Gonzales, J. de D. 9—76268
Gonzalez, A.C. *see* Freiman, S.W. 9—79083
Gonzalez, A.C. *see* Kottle, S.P. 9—92312
Gonzalez, A.Moreno *see* Moreno Gonzalez, A.
Gonzalez, C., Herrera, L., Jimenez, J. Radiating Kerr-Newman metric 9—63107
Gonzalez, D., Bartolome, J., Navarro, R., Greidanus, F.J.A.M., de Jongh, L.J. Magnetic specific heat of $CoCl_2.2$ pyrazine below 2K 9—61152
Gonzalez, D.J. *see* Alonso, J.A. 9—74412
Gonzalez, J. *see* Huertas, M.L. 9—70829
Gonzalez, J.A., Los Arcos, J.M., Gaeta, R. Offline system to treat two dimensional spectral data 9—97960
Gonzalez, J.L.Bozal *see* Bozal Gonzalez, J.L.
Gonzalez, L., Gaeta, R., Vano, E., Los Arcos, J.M. Excited levels of ^{233}Pa by alpha decay of ^{237}Np 9—80876
Gonzalez, L., Vano, E. Experimental determination of XL-ray intensities in thorium, uranium and lead 9—98016
Gonzalez, L. *see* Vano, E. 9—97682
Gonzalez, M.A. *see* Martin, P. 9—82040
Gonzalez, R. *see* Victoria, J. 9—91732
Gonzalez, R.D. *see* Ramamoorthy, P. 9—80703
Gonzalez, R.R., Berglund, L. Prescription and proscription of heat stress by assessment of heat exchange and a new effective temperature 9—92159
Gonzalez, R.R. *see* Berglund, L.G. 9—92158
Gonzalez Arias, A. On the theory of broadening in X-ray diffraction peaks caused by substitutional disorder 9—77454
Gonzalez Fernandez, C., Garzon Ruiperez, L. Use of atmospheric radon in the determination of the vertical stability of the lower atmosphere in an urban centre. I. Influence of air flow on the radon content 9—92560
Gonzalez Fernandez, C., Garzon Ruiperez, L. Use of atmospheric radon in the determination of the vertical stability of the lower atmosphere in an urban centre. II. Statistical analysis of stability indexes 9—92561
Gonzalez Fernandez, C., Garzon Ruiperez, L. Use of atmospheric radon in the determination of the vertical stability of the lower atmosphere in an urban centre. III. Influence of meteorological parameters 9—92562
Gonzalez Maroto, J.R., Posadas, D. Critical analysis of the data on the adsorption of water vapour on mercury 9—82435
Gonzalez-Basurto, J., Diaz-Gongora, A., Burshtein, Z., Williams, D.F. DC photoconductivity of para-terphenyl 9—82644
Gonzalez-Cascon, F. Special relativity with a discrete spectrum of singular velocities. II 9—97189
Gonzalez-Diaz, P.F. Some additional results on the directional relationships between forces and accelerations in special relativity 9—63028
Gonzalez-Fernandez, F. *see* Nelson, D.J. 9—96516
Gonzalo, C. *see* Anguilar, M. 9—69885
Gonzalo, J. *see* Vieira, S. 9—82929
Gooch, T.G., Booth, G.S. Corrosion fatigue of offshore structures 9—79170
Good, M.L. *see* Jostlein, H. 9—89310
Good, R., Mellon, E.K., Kromhout, R.A. The work of Jean Piaget 9—49000
Good, R.H., Jr. *see* Schmit, J. 9—78852
Good, R.J., Kotsidas, E.D. Contact angles on swollen polymers: the surface energy of crosslinked polystyrene 9—73379
Goodale, J.W. *see* Norton, P.R. 9—65322, 9—77905, 9—77915
Goodarz-Nia, I. Floc simulation: prolate spheroidal particles 9—79302
Goodbrake, C.J., Young, J.F., Berger, R.L. Reaction of beta-dicalcium silicate and tricalcium silicate with carbon dioxide and water vapor 9—79219
Goodby, J. *see* Leadbetter, A.J. 9—86707
Goodby, J.W., Gray, G.W. Classification of smectic polymorphic phases 9—55661
Goodby, J.W., Gray, G.W. Smectic F trends in the 4-(2'-methylbutyl)phenyl esters of 4'-n-alkoxybiphenyl-4-carboxylic acids and 4'-n-alkylbiphenyl-4-carboxylic acids 9—86684
Goodby, J.W., Gray, G.W. Tilted smectic B phase or smectic H phase? 9—94881
Goodby, J.W., Gray, G.W. Smectic F phases exhibited by the N-(4-n-alkoxybenzylidene)-4'-n-alkylanilines 9—94891
Goodby, J.W. *see* Barrall, E.M., II 9—77508
Goodby, J.W. *see* Leadbetter, A.J. 9—94896
Goode, A.R., Burden, M.St.J. Inert gas handling in ion plating systems 9—69994
Goode, J.S. *see* Thompson, G.E. 9—70229
Goode, S.R. *see* Caldwell, W.E. 9—71463
Goode, W.E. *see* Gladney, E.S. 9—79652
Goodenough, D.J., Weaver, K.E. Overview of computed tomography 9—53225
Goodenough, F. Multi-channel measurement and display 9—58684
Goodenough, J.B. *see* Anderson, S. 9—91964
Goodfriend, P.L. Pseudopotentials for excited states of hydrogen: a vivid illustration of limitations to the use of pseudopotential results 9—84893
Goodhall, P.W. Digital displays: demand stimulates the technology 9—80587
Goodhew, P.J. *see* Manning, M.I. 9—54227
Goodhew, P.J. *see* Pumphrey, P.H. 9—90674
Goodings, A. Experience with high-temperature radiation detectors and cables for reactor instrumentation systems 9—76111
Goodisman, J. Determination of surface thickness assuming a linear-density profile 9—69324
Goodison, B.E. Accuracy of Canadian snow gage measurements 9—70818
Goodison, C.E., Sowden, R.J. AUTOPREP—the Meteorological Office data preparation and telecommunication terminal for use at Collecting Centres 9—100923
Goodkin, E. *see* Cundy, S.L. 9—64358
Goodkind, J.M. Continuous measurements with the superconducting gravimeter 9—79725
Goodman, A.L. Hartree-Fock-Bogoliubov theory with applications to nuclei 9—75881
Goodman, A.L. Angular momentum fluctuation energy in the cranking model 9—89254
Goodman, A.M. *see* McGinn, J.T. 9—69371
Goodman, A.S. *see* Alsop, L.E. 9—65605
Goodman, B. *see* Nusair, M. 9—49159
Goodman, C.D., Foster, C.C., Greenfield, M.B., Goulding, C.A., Lind, D.A., Rapaport, J. A facility for studying neutron energy spectra at intermediate energies 9—54738
Goodman, D. *see* Kelso, J.A.S. 9—57636
Goodman, D.W. *see* Madey, T.E. 9—79290
Goodman, F.O., Garcia, N. Sticking coefficients of atoms on solid surfaces at low temperatures 9—95263
Goodman, F.O. *see* Garcia, N. 9—60624, 9—69944
Goodman, G.L. *see* Berkowitz, J. 9—98048
Goodman, J., Elias, E. Heat transfer in the inverted annular flow regime during reflooding 9—49731
Goodman, J.A., Ellsworth, R.W., Ito, A.S., MacFall, J.R., Siohan, F., Streitmatter, R.E., Tonwar, S.C., Vishwanath, P.R., Yodh, G.B. Composition of primary cosmic rays above 10^{13} eV from the study of time distributions of energetic hadrons near air shower cores 9—62697
Goodman, J.A., Ellsworth, R.W., Ito, A.S., MacFall, J.R., Siohan, F., Streitmatter, R.E., Tonwar, S.C., Vishwanath, P.R., Yodh, G.B. Observation of energetic delayed hadrons in extensive air showers—new massive particles? 9—66897
Goodman, J.A., Ellsworth, R.W., Ito, A.S., MacFall, J.R., Siohan, F., Streitmatter, R.E., Tonwar, S.C., Vishwanath, P.R., Yodh, G.B. Observation of energetic delayed hadrons in air showers—new massive particles? 9—75065
Goodman, J.W. *see* Huang, A. 9—76886
Goodman, L. The meshless cold trap: a performance evaluation 9—54488
Goodman, L. *see* Hankin, S.H. 9—56771
Goodman, L. *see* Krogh-Jespersen, K. 9—86021
Goodman, L. *see* Ozkan, I. 9—76461
Goodman, L.S. *see* Childs, W.J. 9—81178
Goodman, M.A. *see* Gumerman, L.W. 9—70613
Goodman, M.F. *see* Stephenson, J.C. 9—68257
Goodman, M.F. *see* Stone, J. 9—87862
Goodman, M.S. *see* Sessoms, A.L. 9—63870
Goodman, N.B., O'Gallagher, J., Pereira, M., Rabl, A., Wharton, L., Winston, R. Nonevacuated solar collectors with compound parabolic concentrators 9—62069
Goodman, N.B. *see* Collares-Pereira, M. 9—62105
Goodman, R.K. *see* Turner, W.C. 9—86589
Goodman, R.R. *see* Ali Khattak, M. 9—69423
Goodmann, F.O., Garcia, N., Celli, V. Model of the interaction potential of an atom with a hard corrugated surface incorporating a stationary potential well 9—91555
Goodrich, R.G. *see* Kimball, J.C. 9—69541
Goodson, J.E. Dynamics of an image viewed through a rotating mirror 9—76790
Goodson, R.E., Palimaka, J.J., Bridle, A.H. Extended radio sources and elliptical galaxies. III. Optical positions for galaxy centers 9—97074
Goodstein, D.L. *see* Cole, M.W. 9—51382
Goodwin, A.R., Kirkby, P.A., Davies, I.G.A., Baulcomb, R.S. The effects of processing stresses on residual degradation in long-lived $Ga_{1-x}Al_xAs$ lasers 9—72567
Goodwin, B.W., Wallace, R. Relaxation studies using saturated bandshapes in high-resolution NMR. III. Analysis of coupled multispin systems using the simple line approximation 9—75561
Goodwin, C.A. Prevention of dislocation arrays in thermally annealed, high dose, phosphorus-implanted Si by prior laser annealing 9—73187
Goodwin, D.W. An interferometer for the measurement of small angular displacements 9—49276

Goodwin, M.W. *see* Seiler, D.G. 9—73529
Goodwin, R.D. Specific heats of saturated and compressed liquid propane 9—86898
Goodwin, R.M., Mapes, J., Wisner, J.A. Kodak 2610 color printer quality and productivity improvements 9—93245
Goody, R. *see* Apt, J. 9—101102
Googan, C.G. *see* Ashworth, V. 9—96181
Goold, E.L. *see* Cunningham, J. 9—91998
Gooseus, I., Van-Haute, A. The use of direct osmosis tests as complementary experiments to determine the water and salt permeabilites of reinforced cellulose acetate membranes 9—96359
Goossens, M. *see* Hensberge, H. 9—67013
Goossens, M. *see* Smeyers, P. 9—66997
Goossens, W.J.A. Temperature dependence of the pitch in cholesteric liquid crystals: a molecular statistical theory 9—86703
Gopal, E.S.R. *see* Kumar, A. 9—51565, 9—60884, 9—65527
Gopal, R., Smith, J.R., Rao, G.V. Acoustic monitoring instrumentation for pressurized water reactors 9—89488
Gopal-Krishna The radio source projected near the absorption-line QSO PHL 5200 9—88760
Gopala Rao, A.V. Some properties of duality-rotated Maxwell fields 9—84974
Gopala Rao, R.V., Joarder, R.N. Some acoustical properties of square-well liquids 9—99270
Gopalakrishnan, J. *see* Ramadass, N. 9—86748
Gopalakrishnan, K.V., Murthy, B.S. Bio-mass energy for rural areas 9—61961
Gopalan, M.K. Influence of surface texture on hysteretic friction of rubber 9—61741
Gopel, W. 'Magnetic dead layers' on chemisorption at ferromagnetic surfaces 9—91261
Gopel, W. *see* Hotan, W. 9—65321
Gopi, N. *see* Sinha, B.K. 9—50895, 9—90427
Gopikanth, M.L., Sathyanarayana, S. Impedance parameters and the state-of-charge. II. Lead-acid battery 9—96436
Gopikanth, M.L. *see* Sathyanarayana, S. 9—57423
Gopinathan, C. *see* Pandit, S.K. 9—79239
Gopinathan, K.K., Lakshminarayanan, R., Rajaram, N., Siddiqi, M.I.A., Suryanarayana, C.V. Magnesium fluogermanate red phosphor: temperature dependence of the emission spectra 9—83005
Gopinathan, M.S. *see* Bogdanovic, R. 9—84991
Gopinathan Sarada *see* Sarada Gopinathan
Goptarev, N.P., Avdeev, G.N. Application of semiempirical turbulence theory to calculate water salinity in an estuary 9—57967
Goradia, C. *see* Sater, B.L. 9—62010
Goradia, Y., Arndt, R.A. Interference of isobars in $\pi N \rightarrow \pi\pi N$ 9—63519
Goradia, Y.N. *see* Arndt, R.A. 9—93456
Gorb, M.L. *see* Pugina, L.I. 9—96070
Gorbach, V.G. *see* Pan, V.M. 9—78076
Gorbach, V.N., Mamaluy, Yu.A. A low temperature phase transition in the hexaferrite $Zn_2Ba_2Fe_{12}O_{22}$ 9—51837
Gorbach, V.N. *see* Beznosov, A.B. 9—73434
Gorbachev, A.F. *see* Lyk'yanov, V.F. 9—91794
Gorbachev, L.P., Fedorov, V.F. Perturbation of a weak magnetic field by a compression shock generated at the front of a thermal wave 9—77292
Gorbachev, S.F., Kislovskii, I.L., Nagulin, Yu.S., Smolyak, E.L. Spectrometer with a vidicon for investigation of the contours of spectral lines 9—93226
Gorbachev, V.A., Maizel', G.M., Shavrin, S.V., Abzalov, V.M. Distribution of internal stresses in bodies with extremely simple shape 9—68569
Gorbachev, Yu.E. Force between components in a mixture 9—55439
Gorbacheva, L.G. *see* Presnyakov, A.A. 9—87790
Gorbacheva, L.K. *see* Presnyakov, A.A. 9—79033
Gorbacheva, N.A. *see* Arkhangel'skii, G.E. 9—60389
Gorbachova, E.N. *see* Rozhdestvenskaya, N.B. 9—99896
Gorbai, Z.V. *see* Yashchishin, I.N. 9—61554
Gorban', A.N. *see* Savchenko, N.M. 9—91125, 9—91126
Gorban', I.A., Lipovtsev, Yu.V. Influence of the temperature field and of multiple internal and total internal reflection effects on the spatial distribution of thermal radiation in a plane layer of condensed medium 9—59913
Gorban, I.S., Gorynya, V.A., Lugovoi, V.I., Krasnolob, N.P., Salivon, G.I., Tychina, I.I. One- and two-phonon Raman scattering in ternary phosphides $ZnSiP_2$, $ZnGeP_2$, $GdSiP_2$ 9—78681
Gorban', I.S., Tkachenko, A.K., Tychina, I.I., Chukichev, M.V. Cathodoluminescence of zinc diphosphide crystals 9—52028
Gorban, I.S. *see* Angert, N.G. 9—69842
Gorban', I.S. *see* Belyi, N.M. 9—69433, 9—73950
Gorban', I.S. *see* Golonzhka, V.N. 9—73885
Gorbatenko, A.I. *see* Bichkov, Y.I. 9—94250
Gorbatov, A.M., Krylov, Yu.N., Solovei, A.B. II model and spectrum of ^{6}Li 9—49585
Gorbatov, A.M. *see* Bursak, A.V. 9—89243
Gorbatov, A.V., Samuilov, E.V. Determining the conductivity of an aerosol plasma 9—55464
Gorbatov, G.Z. Growth of a dislocation loop during the formation of mobile complexes of intrinsic point defects and impurity atoms 9—90653
Gorbatsevich, S.V., Dolinskii, E.F., Yudin, M.F. The system of units and counting units 9—97338
Gorbatyi, L.V., Nakhmanson, M.S., Kheiker, D.M. Determination of the absorption factor for single crystals of any shape in an inclined X-ray diffractometer 9—64959
Gorbenko, V.C. *see* Get'man, V.A. 9—63487
Gorbenko, V.G., Zhebrovskii, Yu.V., Karnaukhov, I.M., Kolesnikov, L.Ya., Rubashkin, A.L., Sorokin, P.V., Telegin, Yu.N. Coherent bremsstrahlung beam used in experiments of polarized proton target 9—80830
Gorbenko, V.G., Zhebrovskii, Yu.V., Kolesnikov, L.Ya., Omelaenko, A.S., Rubashkin, A.L., Sorokin, P.V. Study of cross-section asymmetry in coherent pion production on deuteron by polarized photons 9—89171
Gorbenko, V.G., Zhebrovskii, Yu.V., Kolesnikov, L.Ya., Rubashkin, A.L., Sorokin, P.V. Study of asymmetry of the cross section of the reaction $d \rightarrow np$, using polarized photons in the 400-600 MeV energy range 9—89294
Gorbenko, V.G. *see* Bratashevskii, A.S. 9—85305
Gorbenko, V.G. *see* Get'man, V.A. 9—89170
Gorbik, P.P. *see* Budennaya, L.D. 9—95488
Gorbunov, A.A. *see* Skvortsov, A.M. 9—56077, 9—66392
Gorbunov, B.Z., Kakutkina, N.A., Koutzenogii, K.P., Makarov, V.I., Sakharov, V.M. Studies of silver iodide ice-forming activity. I. Influence of the aerosol particle size on the ice-forming activity at −20°C 9—53465
Gorbunov, I.P. *see* Kidin, I.N. 9—52457
Gorbunov, L.M., Polyanichev, A.N. The spectrum of induced Mandel'shtam-Brillouin scattering from a laser plasma 9—98876
Gorbunov, N.S. *see* Baidak, N.P. 9—52459
Gorbunov, N.S. *see* Goryachev, P.T. 9—96205
Gorbunov, V.I., Kurapov, V.N., Pekarskii, G.Sh. Characteristics of screens containing lithium for neutron introscopy 9—76302
Gorbunov, V.I., Lukin, A.L. Nondestructive testing of materials and articles with heavy charged particles 9—91896
Gorbunov, V.I., Pekarskii, G.Sh., Elagin, V.B., Chislov, N.N., Katsman, Yu.Ya., Kucher, G.A. Neutron radiometric monitoring of the thickness and continuity of thick steel articles 9—93100
Gorbunov, V.I., Popov, A.A., Stoyanov, A.K. Linear filtration in a three-dimensional image of radiographic information 9—66243
Gorbunov, V.I. *see* Storozhenko, V.A. 9—70282
Gorbunov, Yu.A., Dranishnikov, S.V. Temperature and speed conditions in the rolling of aluminum alloy granules 9—70015
Gorbunova, Yu.E. *see* Linde, S.A. 9—86767
Gorbunova, Z.N. Clay minerals in the Cenozoic bottom sediments of the Indian Ocean 9—53335
Gorchak, L.V., Negreskul, V.V. Thermoelectric figure of merit of $GaAs_{1-x}P_x$ solid solutions 9—69538
Gorcharuk, I.M., Kotomtseva, L.A., Samson, A.M. Output spectrum of lasers and some problems in intracavity spectroscopy 9—55155
Gorczyca, I. Spin dependent wave functions at some points of the Brillouin zone of InSb 9—56126
Gorczyca, S., Pietrzyk, J., Osuch, W., Siwecki, T. Application of internal friction measurements to investigation of dislocation arrangements in ferrite 9—95026
Gorczyca, S. *see* Dubiel, S.M. 9—61272
Gordeev, A.N. Description of the electromagnetic interaction of relativistic particles by means of a universal laboratory time 9—71672
Gordeev, A.V. Structure of the front of a magnetic-insulation wave 9—55517
Gordeev, A.V. Distribution of heat fluxes in grinding zone 9—79132
Gordeev, G.P. *see* Akselrod, L.A. 9—95577
Gordeev, I.V. *see* Kesler, Ya.A. 9—52737
Gordeev, I.V. *see* Rozantsev, A.V. 9—86904
Gordeev, I.V. *see* Tret'yakov, Yu.D. 9—86905
Gordeev, I.V. *see* Zygan, V.N. 9—95166
Gordeev, V.A., Kruglov, S.P., Kudinov, B.I., Kuz'min, L.A., Mikirtichyants, S.M., Minaichev, E.V., Obukhov, Yu.V., Saveliev, G.I., Firsov, V.G., Scherbakov, G.V. Processes of μ^+-meson depolarization in silicon single crystals 9—56675
Gordeev, V.A. *see* Barsov, S.G. 9—87370
Gordeev, Yu.M., Zaitsev, V.N., Kitaev, K.N. Instrument for studying the sorption of liquid low-molecular substances by polymer films 9—100305
Gordeeva, I.A. *see* Vas'kovskii, Yu.M. 9—60165
Gordeeva, L.T., Gedgovd, K.N., Krasovskii, A.I., Morozov, V.I., Rybas, N.B., Elkin, N.A. Effect of processing parameters on some properties of detonation-deposited alumina coatings 9—70227
Gordeeva, N.M., Zel'dovich, M.A., Kuzhevskii, B.M. The zone structure of the interplanetary magnetic field and energetic particles in interplanetary space 9—80267
Gordeeva, N.P. *see* Shtern, E.N. 9—53014
Gordetsky, G. *see* Atzmony, U. 9—99707
Gordienko, B.A. Dynamics of orthotropic cylindrical shells under an axial impact 9—59936
Gordienko, E.V. *see* Kornitskii, A.G. 9—87493
Gordienko, P.S. *see* Sergienko, V.I. 9—73945
Gordienko, V.A., Guseinov, M.M., Korchazhkin, V.V., Nikolaev, V.I., Rusakov, V.S., Tereshonok, V.A. Spontaneous magnetostriction in dysprosium orthoferrite 9—56599
Gordienko, V.M. Mixed problem for the vectorial wave equation: cases with dissipative energy—cases not well posed 9—49058
Gordienko, V.M., Reshilov, A.B., Shmal'gauzen, V.I. Role of temperature nonlinearity in thermal generation of acoustic pulses by laser radiation 9—99271
Gordienko, Yu.E., Gud, Yu.I., Popov, Yu.V. Electrodeless measurement of electrophysical parameters of semiconductor structures 9—49252
Gordiets, B.F., Kosma, B., Sviridov, A.G., Sobolev, N.N. High-pressure wire-triggered pulsed CO_2 laser 9—89935
Gordin, V.I. *see* Vaganov, A.K. 9—54718
Gordon, A. *see* Baisa, D. 9—77746
Gordon, A.Fleming *see* Fleming Gordon, A.
Gordon, A.L. *see* Jacobs, S.S. 9—88363
Gordon, A.R., Samoilov, G.V., Starodubov, L.S. Refined calculation of supersaturation during heat and mass exchanges in a stationary gas medium 9—94480
Gordon, A.R. *see* Mataruev, V.N. 9—72943
Gordon, B.A. *see* Loomis, W.A. 9—71757
Gordon, D.C., Jr., Longhurst, A.R. The environmental aspects of a tidal power project in the upper reaches of the Bay of Fundy [Canada] 9—92093
Gordon, H. *see* Abshire, G. 9—81124
Gordon, H.A. *see* Goddard, M.C. 9—49544
Gordon, H.R. Diffuse reflectance of the ocean: the theory of its augmentation by chlorophyll a fluorescence at 685 nm 9—66700
Gordon, H.R. Estimation of the depth of sunlight penetration in natural waters for the remote sensing of chlorophyll a via in vivo fluorescence 9—79874
Gordon, J. *see* Evangelista, C. 9—75788, 9—80843
Gordon, J.E., SubbaRao, G.N. Fused organic salts. VIII. Properties of molten straight-chain isomers of tetra-n-pentylammonium salts 9—55639
Gordon, J.G., II, Philpott, M.R., Santo, R., Swalen, J.D. Optical fibers with graded refractive index 9—76836
Gordon, J.G., II *see* Pockrand, I. 9—69569
Gordon, J.M. Electric field dependence of the glass temperature 9—86875
Gordon, J.M. *see* Rouse, G.B. 9—77525
Gordon, J.P., Nahory, R.E., Pollack, M.A., Worlock, J.M. Low-noise multistage avalanche photodetector 9—88999
Gordon, J.P. *see* Ashkin, A. 9—72291
Gordon, K.S. Impact of joints on the design of optical-fiber systems 9—50435
Gordon, L.H. *see* Edsinger, R.W. 9—52872
Gordon, M.B., Villain, J. Commensurate-incommensurate phase transition of a physisorbed layer on an elastic substrate 9—56074
Gordon, M.J.V., Williams, G.A., Packard, R.E. Vortex photography: a progress report 9—55968
Gordon, M.J.V. *see* Yarmchuk, E.J. 9—77851
Gordon, M.M., Fabrici, E.M. Beam extraction system for the K=500 superconducting cyclotron 9—54666
Gordon, M.S., Caldwell, J.W. Excited states and photochemistry of saturated molecules. VII. Potential energy surfaces in excited singlet states of methane 9—83440
Gordon, P. Quasisteady primitive equations with associated upper boundary conditions 9—62563
Gordon, R. *see* McAfee, R.D. 9—53191
Gordon, R. *see* Samir, U. 9—53647
Gordon, R.A., Frandsen, J.B. The effect of k_H-broadening on surface Landau level resonances 9—65533
Gordon, R.B. Denudation rate of central New England determinated from estuarine sedimentation 9—92550
Gordon, R.D., Luck, P. Conformational changes accompanying electronic excitation of CD_3NO 9—98233
Gordon, R.G. *see* Colonomos, P. 9—88924
Gordon, R.G. *see* Mingelgrin, U. 9—68224
Gordon, R.G. *see* Schulten, Z. 9—58562
Gordon, R.G. *see* Shirts, R.B. 9—78161
Gordon, R.G. *see* Waldman, M. 9—98181, 9—98182, 9—98183
Gordon, R.L. *see* Lessor, D.L. 9—54185
Gordon, R.S. *see* Miller, M.L. 9—87597
Gordon, R.S. *see* Shetty, D.K. 9—100200
Gordon, R.S. *see* Singh, J.P. 9—79081
Gordon, S.K. *see* Barrett, H.H. 9—94163
Gordon, S.P. A discrete approach to the calculus 9—80398

Gordon, V.G. *see* Barykin, B.M. 9—87603
Gordon, W. *see* Katz, M. 9—92325
Gordon, W.C. *see* Basinger, S.F. 9—92447
Gordon, W.L. *see* Schirber, J.E. 9—65366
Gordyunin, S.A., Dorokhov, O.N. Theoretical-group analysis of the electron spectrum in some quasi-one-dimensional structures 9—82511
Gore, D.M. *see* Minns, R.J. 9—74789
Gore, J.C., Orr, J.S. Image formation by back-projection: a reappraisal 9—83916
Gore, J.C. *see* Marshall, C.H. 9—83918
Gore, T.A., Flynn, M., Stevens, J. Measurement and analysis of hip joint movements 9—74766
Gorea, A. Directional and nondirectional coding of a spatio-temporal modulated stimulus 9—74676
Goreaud, M., Desgardin, G., Raveau, B. The rubidium tungstate $Rb_{20+x}(W_4O_6)_{1/3-x/12}W_{32}O_{108}$: pyochlore deficient host net 9—60321
Goreaud, M. *see* Labbe, P. 9—73141
Gorecki, T., Krol, S. Phase transformations during continuous cooling of a Cu-Al-Fe-Mn alloy 9—70044
Gorel, G.K. Photographic observations of the positions of Venus in Nikolaev 9—92689
Gorel', G.K. Some comments on the phase reduction formulae for observations of planets 9—96891
Gorelenko, A.Ya. *see* Borisevich, N.A. 9—94213
Gorelenok, A.T. *see* Alferov, Zh.I. 9—64346, 9—89910
Gorelik, G.N. *see* Feting, N.A. 9—64617
Gorelik, M.S. *see* Malamed, E.R. 9—50404
Gorelik, O.S. *see* Suvorov, E.V. 9—95013
Gorelik, S.S., Dubrovina, A.N., Kosheleva, M.N., Leksina, R.Kh. Deformation and recrystallization structures and electrical properties of extruded $(Sb, Bi)_2Te_3$ 9—96038
Gorelik, S.S., Dubrovina, A.N., Vlasova, E.S. Deformation and annealing of deformation defects induced in Cu_2Te by phase work-hardening during thermal cycling 9—52230
Gorelik, S.S., Dubrovina, A.N., Vlasova, E.S., Drozdova, G.A. Effect of phase hardening in polymorphic transition and subsequent annealing on the microstructure of copper chacogenides 9—52199
Gorelik, S.S., Sagalova, T.B., Safonov, Y.S. Study of the texture formation in silicon polycrystalline films 9—87662
Gorelik, V.A., Rustamov, Kh.Sh., Kuzminov, Yu.S., Sushchinskii, M.I. Effect of rare-earth additives on the Raman spectrum of a $Ba_{0.50}Sr_{0.50}Nb_2O_6$ crystal 9—78678
Gorelik, V.S., Zolotukhin, O.G., Sushchinskii, M.M. Raman scattering cross section and its connection with the nonlinear coefficients in a GaP single crystal 9—56784
Gorelik, V.S. *see* Khalezov, A.A. 9—95779
Gorelik, V.S. *see* Klimenko, V.M. 9—52262
Gorelikov, A.I. *see* Vasil'ev, E.N. 9—81327
Gorelov, A.N. *see* Malakhov, B.A. 9—78197
Gorelov, D.N., Guseva, L.A. Calculation of the free vibrations of a slab sector of variable thickness 9—64571
Gorelov, V.P., Il'in, V.I. Calculation of auxiliary functions of transfer theory in homogeneous media 9—88580
Gorelov, V.Yu. *see* Galaktionov, I.I. 9—68379
Gorelyi, K.I., Pirov, O.M. Observations of hydrogen auroras and of sporadic E-region ionization 9—62659
Goren, Y. *see* Segalov, Z. 9—89840
Gorenberg, V.L. *see* Sobolev, V.V. 9—73448
Gorenstein, P., Fabricant, D., Topka, K., Harnden, F.R., Jr. Soft X-ray structure of the Coma cluster of galaxies 9—62918
Gorenstein, P. *see* Fabricant, D.G. 9—74273
Gorenstein, P. *see* Giacconi, R. 9—70941
Gorenstein, P. *see* Parsignault, D.R. 9—49901
Gorev, V.S., Kozhemyakin, V.A., Fominykh, V.I., Shvydchenko, A.G., Shul'govich, G.I., Yuryatin, E.N. Energy dependence of the sensitivity of gamma-radiation dosimeters with silicon detectors 9—68146
Gorey, E.F., Poponiak, M.R. Method of characterizing probe points 9—96243
Gorgen, R., Hinterberger, F., Jahn, R., Von Rossen, P., Schuller, B. Optical model analysis of the elastic scattering of 45 MeV ^3He particles on 1p shell nuclei 9—59078
Gorgens, B. *see* Gohrbandt, B. 9—96460
Gori, F. *see* De Santis, P. 9—76783
Gorichev, A.P. *see* Ammosov, V. 9—71737
Gorichev, P.A. *see* Berge, J.P. 9—71741
Gorichev, P.A. *see* Efremenko, V.I. 9—75763
Gorina, I.I., Rubtsova, M.Ju., Chistjakov, I.G. The effect of the molecular structure of the cholesteric component on the composition dependence of the reciprocal helical pitch in binary cholesteric mixtures 9—90528
Gorina, I.I. *see* Govorkov, V.G. 9—82278
Gorina, N.B., Kondrasheva, V.S., Polyakova, V.P., Savitskii, E.M., Skundin, A.M., Yakushev, V.V. Hydrogen and oxygen sorption of osmium single crystals 9—61873
Gorina, Yu.I., Kalyuzhnaya, G.A., Kiseleva, K.V., Sal'man, V.M., Strogankova, N.I. Investigation of epitaxial PbTe:Bi-PbSnTe-PbTe laser structures 9—89908
Gorina, Yu.I. *see* Anzin, V.B. 9—76714
Gorina, Yu.I. *see* Britov, A.D. 9—75628
Gorinas, G. *see* Maurice, L. 9—80636
Goring, S. *see* Bekk, K. 9—72436
Goringe, M.J. *see* Parkinson, G.M. 9—69115
Gorinov, A.S., Magomedov, K.M., Magomedova, N.M. Gasdynamic problems in the calculation of reactors for the growing of crystalline films 9—83130
Goris, M.L., Buda, A.J., Briandet, P., Relat, C., Kriss, J.P. Automation during the analysis of first pass nuclear angiocardiography 9—70625
Goris, M.L. *see* Buda, A.J. 9—62356
Goritskii, V.N. *see* Sagalevich, V.M. 9—90155
Gorkom, J.H.van *see* van Gorkom, J.H.
Gorkov, L.P., Dolgov, E.N. Frohlich mode motion and the conductivity of $NbSe_3$ 9—95395
Gor'kov, L.P., Larkin, A.I., Khmel'nitskii, D.E. Conductivity of particles in a 2-dimensional random potential 9—99523
Gorkovets, M.S. *see* Anisimov, O.K. 9—54633
Gorkunov, E.S. *see* Mikheev, M.N. 9—70277
Gorkusha, P.M. *see* Yakovlev, A.P. 9—66098
Gorler, G.P., Klein, F.G. Simulated geomagnetic substorm charging conditions for testing photovoltaic generators and other satellite surface materials 9—96886
Gorley, P.N. *see* Shenderovskii, V.A. 9—91066
Gorlich, L., Niczyporuk, B., Polok, G., Rozanska, M., Rybicki, K., Turala, M., Turnau, J., Kulakov, B., Nigmanov, T., Tsyganov, E., Vodopyanov, A. A study of the low mass $\pi^-\pi^-$ system produced in the reaction $\pi^-p \to \pi^-\pi^-+$anything at 50 GeV/c 9—71766
Gorlich, L. *see* Becker, H. 9—54363, 9—63533
Gorlov, A.D., Sherstkov, Yu.A., Potapov, A.P. Spectral diffusion in coherent effects of gadolinium in $Pb_5Ge_3O_{11}$, SrF_2, β-PbF_2, and BaF_2 crystals 9—51852
Gorlov, A.D., Sherstkov, Yu.A., Potapov, A.P. Structure of trigonal Gd^{3+} centers in $Pb_5Ge_3O_{11}$ 9—69720
Gorlov, A.D. *see* Abdulsabirov, R.Yu. 9—73856
Gorlov, A.D. *see* Vazhenin, V.A. 9—95639
Gorlov, V.I. *see* Zotov, Yu.P. 9—87751
Gorlov, Yu.I. *see* Mironov, S.L. 9—91123
Gorman, D.G. Initiation of transverse vibration in rotating discs 9—68633
Gorman, D.G., Kennedy, W. Membrane effects upon the transverse vibration of linearly varying thickness discs 9—55334
Gorman, M.R. *see* Zipf, E.C. 9—80064
Gormley, M. *see* Atiya, M.S. 9—80831
Gorn, W. *see* Fancher, D. 9—68148
Gornert, P. *see* Simsova, J. 9—82848
Gornik, E. Far infrared cyclotron emission in semiconductors 9—61226
Gornitskiy, A.B. *see* Anufriyeva, N.M. 9—53011
Gornostaev, A.N. *see* Gribov, L.A. 9—67129
Gornostaev, B.D., Gur'ev, V.V., Epinat'ev, A.M., Kuz'min, E.M., Kolbasov, B.N., Kotov, V.V., Orlov, V.V., Smetannikov, V.N., Ulasevich, V.K., Shatalov, G.E., Shchipakin, O.L., Fomenko, A.N. Gas-cooled blanket for a fusion-fission reactor. Possible designs and heat flow diagrams 9—76130
Gornov, M.G. *see* Biryukov, Yu.A. 9—89332
Gorobchenko, V.S., Naboikin, Yu.V., Ogurtsova, L.A., Podgornyi, A.P. Determination of the relaxation times for vibrational levels in the ground state of extrinsic molecular crystals at 4.2K from their emission spectra under powerful excitation 9—87484
Gorobei, N.N. *see* Petrov, V.A. 9—72861
Gorobei, N.N. *see* Vladimirov, V.I. 9—73166, 9—99190
Gorobets, A.P. *see* Anikin, V.I. 9—55227
Gorobets, B.R. *see* Shchetanov, B.V. 9—97343
Gorobets, B.S., Gaft, M.L., Laverova, V.L. Photoluminescence of manganese minerals 9—95829
Gorobets, Yu.I. *see* Bar'yakhtar, V.G. 9—65694
Gorobets, Yu.I. *see* Gerasimchuk, V.S. 9—95591
Gorobets, Yu.I. *see* Gerasimtchuk, V.S. 9—51810
Gorochov, O. *see* Le Nagard, N. 9—55714, 9—60334
Gorodetskii, D.A., Mel'nik, Yu.P., Sklyar, V.K. Structure of thin barium oxide films on the (110) face of tungsten 9—60659
Gorodetskii, V.S., Egerev, S.V., Naugol'nykh, K.A. Generation of sound by laser pulses 9—64393
Gorodetskii, V.V., Sobyanin, V.A., Bulgakov, N.N., Knor, Z. Low temperature reaction of hydrogen with preadsorbed oxygen on iridium surfaces 9—52774
Gorodetsky, D.A., Melnik, Yu.P., Sklyar, V.K., Usenko, V.A. Structure of barium films on W (100) 9—90902
Gorodga, L.V. *see* Emets, Y.P. 9—60862
Gorodinskii, E.M. *see* Belyaevskii, A.I. 9—84597
Gorodinskii, G.M., Protsenko, M.A., Mikhailov, O.M. Reflection coefficient measurement with FM-89 photometers 9—71507
Gorodnichii, O.P. *see* Baranskii, P.I. 9—51612
Gorodnichii, O.P. *see* Belyaev, A.E. 9—95407
Gorodyskii, N.I. *see* Novikov, N.V. 9—57070
Gorokhov, L.N. *see* Kudin, L.S. 9—87867
Gorokhov, S.N., Solov'ev, G.I. Interaction of U_3Si with zirconium 9—90831
Gorokhov, Yu.V., Potemkin, V.V. Low-temperature depression of the magnetic noise of oxidised films 9—99734
Gorokhova, E.I. *see* Baiburina, S.G. 9—80156, 9—80170
Gorokhovskii, A.A., Kikas, Ya.V. Effects of dip shape saturation in nonuniformly broadened spectra 9—95799
Gorokhovsky, G.A. *see* Kuznetsov, Ye.A. 9—52471, 9—79122
Goroncek, K. *see* Smulek, W. 9—97811
Gorowski, T. *see* Blinowska, K.J. 9—83966
Gorr, G.V. Precessions of a gyrostat in a potential force field 9—63017
Gorre, L.E. *see* Pastor, R.C. 9—65821
Gorre, L.E. *see* Tangonan, G.L. 9—50429
Gorry, A. *see* Aknin, J.P. 9—68001
Gorry, P.A., Grice, R. Microwave discharge source for the production of supersonic atom and free radical beams 9—80720
Gorschkow, W.S. *see* Meshikowski, S.M. 9—70097
Gorshenina, I.V., Detinenko, N.E., Ivanov, A.A., Nechaev, Yu.S. Automatic measurements of reference crosses on photographs from bubble chambers in a spiral-meter system 9—67403
Gorshkov, A.I. *see* Chukhrov, F.V. 9—74892
Gorshkov, A.V. *see* Zaitov, F.A. 9—95213
Gorshkov, B.G., Epifanov, A.S., Manenkov, A.A. Avalanche ionization in solids for large radiation quanta and the relative role of multiphonon ionization in laser induced breakdown 9—51906
Gorshkov, B.L. *see* Andronenko, L.N. 9—59103
Gorshkov, G.F. *see* Belov, I.A. 9—98774
Gorshkov, N.N. *see* Mogilevskii, M.A. 9—100209
Gorshkov, V.G., Labzovskii, L.N., Moskalev, A.N. Space and time parity nonconservation effects in the spectra of diatomic molecules 9—50098
Gorshkov, V.G., Mikhailov, A.I., Sherman, S.G. Contour of the K-electron Compton line 9—93959
Gorshkov, V.N. *see* Vladimirov, V.V. 9—65508
Gorshkova, A.V. *see* Korshak, V.V. 9—55017
Gorshkova, I.A. *see* Savitskii, A.V. 9—61670
Gorshunov, N.M. *see* Bashkin, A.S. 9—89902
Gorska, M., Beaulieu, R., Loferski, J.J., Roessler, B. $CuInS_2$ films prepared by spray pyrolysis 9—73609
Gorska, M. *see* Rauluszkiewicz, J. *(editor)* 9—82582
Gorskaya, N.V., Kazantsev, Yu.Ye., Nizhnii, S.V., Savenkova, I.A., Ushakova, T.V. Composition and structure of the phospholipids of the hydrocarbon yeasts. I. Phosphantidylcholine and phosphatidylethanolamine 9—53028
Gorski, A.J. *see* Graven, R.M. 9—61998
Gorski, P. *see* Jamroz, W. 9—82951
Gorskii, S.V. *see* Getsov, L.B. 9—66125
Gorskii, V.B. Bernoulli integral and conservation of velocity circulation in polarizing or magnetizing fluid 9—90341
Gorskii, V.V., Popov, V.K., Semenov, N.N., Shlepnev, I.O. An eddy-current unit for inspecting the quality of fuel elements 9—100315
Gorss, G.W. Simultaneous single unit recording in vitro with a photoetched laser deinsulated gold multimicroelectrode surface 9—57824
Gortyshov, Yu.F., Varfolomeev, I.M., Yaushev, R.A. On the study of heat transfer with the aid of a local heat flux sensor 9—82015
Gortyshov, Yu.F. *see* Gerashchenko, O.A. 9—67296
Gorya, O.S., Lupashko, E.F. Optimization of the figure of merit of a thermoelement with a deliberately induced anisotropy 9—95433
Goryachev, D.N. *see* Belyakov, L.V. 9—74276
Goryachev, M.Yu., Kovenskaya, B.A., Samsonov, G.V. Electronic spectrum calculation of transition metal compounds by GO-LCAO method 9—73420
Goryachev, P.T., Aleshin, N.I., Genel', V.A., Gorbunov, N.S. Obtaining carbide-free chromium diffusion coatings on gray cast iron 9—96205
Goryachev, V.I., Shevchenko, V.G. Compton scattering and monochromatization of gamma photons 9—89516
Goryachev, V.N. *see* Burgorskii, A.P. 9—97641
Goryachev, Yu.M., Podchernyaeva, I.A., Siman, N.I., Sinel'nikova, V.S., Timofeeva, I.I. The work function anisotropy of electrons in ZrC_x and NbC_x monocrystals 9—73568
Goryaev, G.A., Baranova, L.V. Method for determining the density of porous briquets 9—49203
Goryaev, M.A. *see* Demidov, K.N. 9—78135
Goryainov, N.A. *see* Bayukov, Yu.D. 9—49538
Gorynya, V.A. *see* Gorban, I.S. 9—78681
Goryunov, E.P. *see* Baldin, A.M. 9—72125
Goryunov, O.Yu. *see* Stepanenko, V.A. 9—68112
Goryunov, V.A., Chaldyshev, V.A., Chernyshov, V.N. Surface states in silicon 9—69574
Goryunov, V.K. Spatial fluctuations of neutron and powder distribution in critical reactor 9—71917
Goryunov, Yu.V., Den'shchikova, G.I., Soldatchenkova, L.S., Summ, B.D. The intermittent growth of cracks in single crystals of zinc during strain at a contact with mercury and gallium 9—87757

Goryushin, V.V. *see* Komissarova, L.A. 9—74174
Gorzellik, P. *see* Gmelin, E. 9—58708
Gorzkowski, S. *see* Slowikowska, I. 9—70108
Gosavi, R.K. *see* Strausz, O.P. 9—49959
Goschy, B. Stability of core-supported structures 9—98607
Goscinski, O., Palma, A. Electron and nuclear density matrices and the separation of electronic and nuclear motion 9—59332
Goscinski, O. *see* Lozes, R.L. 9—54765
Goscinski, O. *see* Muller, J. 9—59512
Goscinski, O. *see* Palma, A. 9—50002, 9—54911
Gose, E.E. *see* Nejdl, I.F. 9—88181
Gosele, U. *see* Strunk, H. 9—65541
Goshaw, A.T. *see* Biswas, N.N. 9—63556
Goshchitskii, B.N. *see* Karkin, A.E. 9—91024
Goshorn, D.P. *see* Gleeson, P.F. 9—73320
Goske Rudick, M. *see* Westcott, J.L. 9—92259
Gos'kov, P.I., Shelkovnikov, Yu.K., Yakunin, A.G. Use of a scanistor for noncontact measurement of instantaneous linear velocities 9—67261
Gos'kov, P.I., Shelkovnikov, Yu.K., Yakunin, A.G. Precision scanistor instrument for measuring linear velocity 9—71425
Goslar, J. *see* Hoffmann, S.K. 9—61204
Goslin, J. Gravity results above the Marion Dufresne, Lena and Ob seamounts (Southern Indian Ocean) 9—74884
Gosling, J.T. *see* Bame, S.J. 9—58197, 9—75197
Gosling, J.T. *see* Lemons, D.S. 9—80183
Gosling, J.T. *see* Paschmann, G. 9—58209
Gosmanova, G., Kraus, I. A qualitative model of the distribution of stresses in oxidized Zr-alloys 9—49694
Gosnell, T.R., Hudson, H., Puetter, R.C. Ground-based observations of sources in the AFGL infrared sky survey 9—71150
Gospodinov, P., Radev, S., Penchev, I. Velocity profiles and form of a laminar jet in immiscible liquid-liquid systems 9—64752
Goss, L.P. *see* Butler, J.E. 9—61842
Goss, W.C., Goldstein, R. Fiber optic rotation sensor (FORS) signal detection and processing 9—54111
Goss, W.C. *see* Goldstein, R. 9—98497
Goss, W.M., Shaver, P.A., Zealey, W.J., Murdin, P., Clark, D.H. Optical identification and spectrum of the supernova remnant G 292.0+1.8 9—84839
Goss, W.M. *see* Danziger, I.J. 9—84854
Goss, W.M. *see* Hawarden, T.G. 9—80348
Goss, W.M. *see* Longmore, A.J. 9—71127
Goss, W.M. *see* Mebold, U. 9—53908
Goss, W.M. *see* Milne, D.K. 9—84841
Goss, W.M. *see* van Gorkom, J.H. 9—75260
Gossard, A.C. GaAs/AlAs layered films 9—77950
Gossard, A.C. *see* Gibbs, H.M. 9—61454, 9—64314
Gossard, A.C. *see* Stormer, H.L. 9—65530
Gossard, T.W. Applications of DTM in the Forest Service 9—84086
Gosse, B. *see* Denat, A. 9—91064
Gosse, J., Schiestel, R. Forced turbulent convection in tube bundles with longitudinal driving 9—86333
Gosse, J.P. *see* Denat, A. 9—91064
Gosse, J.P. *see* Felici, N. 9—51289
Gossedge, G.M. *see* Cadman, P. 9—66349
Gosselin, C. *see* Guidoin, R. 9—53278
Gosselin, R.N. *see* Pinnington, E.H. 9—81173, 9—93964
Gosset, J. *see* Wolf, K.L. 9—63693
Gossett, B., Simpson, M., Cave, L., Chan, C.K., Okrent, D., Catton, I. Post-accident filtration design for PWR and BWR containments 9—49739
Gossett, C.R. *see* Lloyd, J.N. 9—73819
Gossink, R.G., De Grefte, H.A.M., Werner, H.W. SIMS analysis of aqueous corrosion profiles in soda-lime-silica glass 9—66182
Gossink, R.G., Lommen, T.P.A. Secondary-ion mass spectrometry (SIMS) analysis of electron-bombarded soda-lime-silica glass 9—66376
Gossman, D. *see* Miller, P. 9—54668
Gostev, A.V., Reikhrudel, E.M., Rukhlyada, N.Ya., Shishkin, B.B. Universal instrument for the investigation of local and integral electron emission 9—93258
Gostintsev, Yu.A., Uspenskii, O.A. Theory of vortical helical ideal gas flows in Laval nozzles 9—81943
Gostintsev, Yu.A. *see* Afanasenkov, A.N. 9—64734
Gostishchev, V.I., Dem'yanov, S.E., Glin'skii, M., Drozd, A.A. Oscillations of the thermo-e.m.f. in cadmium on magnetic breakdown 9—60801
Gostishchev, V.I., Glinik, R.A., Petrovskii, M.L., Khazov, V.N. Effect of a magnetic field on the plastic deformation of Al at 4.2K 9—91754
Goswami, A.K. *see* Bhattacharyya, T.K. 9—74504
Goswami, B., Nanda, R.S. Oscillating radial flow between two parallel rotating disks 9—55393
Goswami, G.K. *see* Johri, V.B. 9—88768
Goswami, J.N., Lal, D., Rao, M.N., Venkatesan, T.R. Depositional history of Luna 24 drill core soil samples 9—88608
Goswami, K. *see* Basu, C. 9—82203
Goswami, K.K. *see* Parakash, S. 9—84637
Goswami, T.D. *see* Bhattacharya, K. 9—63708
Goswamy, S.K. *see* Jain, R.K. 9—66107
Goszczynski, S., Szymanowski, J. Actual state and developmental prospects in the fields of new reagents and technological operations for copper extraction from aqueous solutions 9—74115
Got, Y. *see* Wakasugi, S. 9—94553
Gotay, M.J., Nester, J.M. Presymplectic Lagrangian systems. I. The constraint algorithm and the equivalence theorem 9—75377
Gotlib, B.M., Rybalko, F.P., Kaganovich, A.Z. Investigation into plastic microstrains during rolling of titanium alloy sheets under industrial conditions 9—52263
Gotlib, J.M. *see* Woskressenski, W.A. 9—100106
Gotlib, V.Yu., Kagan, B.A. On parameterization of the shelf effects in modeling the ocean tides 9—100843
Goto, E. *see* Aguirre, C. 9—62699
Goto, H., Adachi, T., Utsunomiya, T., Nakano, H., Chin, K. EEG evoked response, P300 and CNV during processing of sentence information: clinical application 9—57626
Goto, H., Adachi, Y., Ikoma, T. How to determine parameters of deep levels by DLTS single temperature scanning 9—99506
Goto, H., Shiozawa, T. Propagation of space charge waves along a rotating relativistic electron beam 9—55047
Goto, H. *see* Hiramatsu, T. 9—65553
Goto, K., Ishikawa, K., Wolfe, R.G., Grant, J.T. Quantitative AES analysis of Cu-Ni systems using M_1 VV transitions (90-110 eV); computer simulation 9—91542
Goto, K. *see* Ito, M. 9—61181
Goto, K. *see* Kamiya, T. 9—91032
Goto, M., Grenness, M., Oldham, K.B. Voltammetry with diminished supporting electrolyte 9—70339
Goto, M., Ikenoya, K., Ishii, D. Anodic stripping semidifferential electroanalysis with thin mercury film electrode formed in situ 9—79324
Goto, N., Ohta, Y., Kagami, H. Deep shear wave velocity measurement for evaluation of 1-10 sec seismic input motions 9—88304
Goto, S., Kato, H. The measurement of normal stresses in polymer solutions 9—77039
Goto, S. *see* Zaima, S. 9—100181
Goto, T. Microstructure and tensile strength of silver-copper filaments produced by glass-coated melt spinning 9—91667
Goto, T., Luthi, B., Geick, R., Strobel, K. Elastic properties of the layer-structure material $(CH_3NH_3)_2MnCl_4$ 9—60418
Goto, T., Nishina, Y. Resonant Raman scattering of red-HgI_2 in B-exciton and band-to-band transition regions 9—61381
Goto, T., Nishina, Y. Multiple-phonon scattering near the direct absorption edge in 2H-PbI_2 9—87448
Goto, T. *see* Fritz, J.J. 9—56542
Goto, T. *see* Kawakami, M. 9—65760
Goto, Y., Sawaguchi, E. Electric conductivity of ferroelectric $Pb_5Ge_3O_{11}$ 9—65472
Goto, Y. *see* Nishikawa, T. 9—56948
Goto, Y. *see* Wakasugi, S. 9—96119
Gotoda, T. *see* Tazaki, S. 9—68507
Gotoh, A., Yamakawa, K., Fujita, F.E. On the low temperature recovery stages of excess solute hydrogen in niobium 9—73342
Gotoh, H. *see* Yamamoto, S. 9—54433
Gotoh, K., Jodrey, W.S., Tory, E.M. Average nearest-neighbor spacing in a random dispersion of equal spheres 9—58639
Gotoh, N. *see* Yamamizu, F. 9—62457
Gotoh, T. *see* Nakamura, K. 9—90683
Gotovac, V., Lovrecek, B. The proposed energy diagram model of disordered system Al_2O_3+xAl 9—56110
Gotovac, V. *see* Zanchi, I. 9—54154
Gotow, K. *see* Dam, S.H. 9—85536
Gotsman, E., Levy, A. Heavy quarks and the measured surplus in the high-energy total photoproduction cross section 9—49497
Gott, A.H. *(editor)* Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol.148. Computers in Optical Systems 9—76356
Gott, C.O. *see* Dowling, J.A. 9—53521
Gott, J.R. Computer simulation of the Universe 9—97114
Gott, J.R., III, Turner, E.L. An extension of the galaxy covariance function to small scales 9—101197
Gotta, D. *see* Backenstoss, G. 9—76035
Gottardi, N. Evaluation of electron density profiles in plasma from integrated measurements 9—77418
Gottardi, S. *see* Bortolotti, G. 9—80032
Gottarelli, G., Samori, B., Folli, U., Torre, G. Induction of cholesteric mesophases in nematic liquid crystals by some optically active sulphoxides: relationship between the absolute configurations, the dimensions of the substituents and the handness of the induced mesophases 9—86683
Gottarelli, G. *see* Baraldi, L. 9—87415
Gottdiener, L., Carmona, R. Energy transfer in high-energy atom-oscillator collisions 9—68296
Gottel, P. *see* Van den Cruyce, J.M. 9—93491
Gottesfeld, S. *see* Laser, D. 9—91094
Gottfried, Ch. *see* Fidecaro, G. 9—85343
Gottfried, D. *see* Gohn, G.S. 9—74879
Gottfried, K. *see* Hand, L. 9—75979
Gottifredi, J.C., Quiroga, O.D. Gas absorption into a turbulent falling film 9—50714
Gottifredi, J.C., Quiroga, O.D. Gas absorption accompanied by first-order reversible and irreversible reactions in turbulent liquid films 9—69327
Gottikh, B.P. *see* Gurskaya, G.V. 9—88051
Gottlieb, A.M., Dunlap, R. Zero wave vector kinetic coefficient in the isotropic ferromagnet EuO near T_c 9—73714
Gottlieb, B. Ultralow frequency oscillations of the high-latitude ionospheric electric field 9—75025
Gottlieb, E.W., Liller, W., Milone, E.F. SS 433 9—53821
Gottlieb, E.W. *see* Gregory, P.C. 9—88755
Gottlieb, H.P.W. Harmonic properties of the annular membrane 9—94425
Gottlieb, M. Zero-shear-rate viscosity measurements for polymer solutions by falling ball viscometry 9—90293
Gottlieb, M. *see* Feichtner, J.D. 9—72716
Gottlieb, S. *see* Garrar, G.R. 9—89180
Gottschalk, A. *see* Johnstone, D.E. 9—100714
Gottschalk, B. *see* Becker, H. 9—54363, 9—63533
Gottschalk, B. *see* Blanar, G.J. 9—93473
Gottschalk, H. Motion of partial dislocations 9—82229
Gottschalk, T. *see* Barger, V. 9—49461
Gottscho, R.A. The lowest energy excited electronic state of BaO 9—68254
Gottscho, R.A., Field, R.W., Dick, K.A., Benesch, W. Deperturbation of the N_2^+ first negative group $B^2\Sigma_u^+$-$X^2\Sigma_g^+$ 9—59481
Gottstein, G. Recent aspects in the understanding of recrystallization texture development 9—87654
Gottstein, G., Murmann, H.C., Renner, G., Simpson, C., Lucke, K. The anisotropy of plane grain growth in cold rolled aluminium 9—91686
Gottstein, G. *see* Karduck, P. 9—90667
Gottstein, G. *see* Stuitje, P.J.T. 9—91685
Gottstein, G., Lucke, K. *(editor)* Textures of materials 9—83217
Gottula, R.C., Eide, S.A., Howe, T.M., Tolman, B.L. Effect of rod external thermocouple simulators on steady-state and transient CHF 9—49734
Gotuk Ali Alaric, Babanly, M.B., Kuliev, A.A. Phase equilibria in the systems Tl_2Se-SnSe and Tl_2Se-PbSe 9—52181
Gotwols, B.L. *see* Cronyn, W.M. 9—58214
Gotz, A. *see* Knauer, K. 9—87962
Gotz, D., Lee, M.W., Bigeleisen, J. $^{13}C/^{12}C$ and $^{18}O/^{16}O$ liquid-vapor isotopic fractionation factors in CO as a function of temperature 9—90770
Gotz, J., Hausler, G., Lohmann, A.W., Simon, M. Solving differential equations with TV-optical feedback 9—76869
Gotze, H.G. Intra-operative X-ray diagnostics in orthopaedics 9—92341
Gotze, W. A theory for the conductivity of a fermion gas moving in a strong three-dimensional random potential 9—56130
Gotze, W., Lucke, M., Szprynger, A. The scattering function S_{33} (q,ω) of dilute He II-He^3 mixtures 9—56010
Gotze, W., Lucke, M., Szprynger, A. Excitation spectrum of a ^{3}He atom moving in He II at zero temperature 9—60592
Gotze, W., Prelovsek, P., Wolfle, P. Localization of particles in a two-dimensional random potential 9—60672
Gotze, W., Zippelius, A. van Hove's dynamical structure factor for classical liquids 9—55631
Gotze, W. *see* Bosse, J. 9—55630
Gotzmann, O. Effect of impurities on the clad corrosion of steel-coated oxide fuel rods 9—49693
Gotzmann, O. A thermodynamic model for the attack behaviour in stainless steel clad oxide fuel pins 9—97807
Gouault, J. *see* Hubin, M. 9—87021
Gouault, J. *see* Richon, G. 9—78226
Goubau, W.M., Gamble, T.D., Clarke, J. Magnetotelluric data analysis: removal of bias 9—53530
Goubau, W.M. *see* Gamble, T.D. 9—88245
Goube, J. *see* Jouve, G. 9—95512
Goud, S.Lacha *see* Lacha Goud, S.
Goudis, C. A classification of the available astrophysical data of particular H II regions. VIII. W3 complex: mapping and physical parameters of various sources 9—58392
Goudmand, P. *see* Bridoux, M. 9—86040
Goudonnet, J.P. *see* Chabrier, G. 9—61489
Gouesbet, G., Berlemont, A. The dispersive approach for modelling the behaviour of particles in a turbulent field 9—72882
Gough, M.P., Christiansen, P.J., Martelli, G., Gershuny, E.J. Interaction of electrostatic waves with warm electrons at the geomagnetic equator 9—70934
Gough, M.P. *see* Hartman, D.H. 9—66895
Gough, P.S. Modeling heterogeneous two-phase reacting flow 9—94737

Gough, R.A., Clark, D.J., Glasgow, L.R. Recent developments in high charge state heavy ion beams at the LBT 88-inch cyclotron 9—54677

Gough, R.A., Mallory, M.L. Charge exchange losses during cyclotron acceleration: Experiment and theory 9—54713

Gough, R.A. *see* Elo, D. 9—54681

Gough, S.R. *see* Garg, S.K. 9—91300

Gough, T.E. *see* Bales, F.E. 9—95679

Gough, W. *see* Evans, W.D. 9—81186, 9—98206

Gouguenheim, L. *see* Bottinelli, L. 9—62906, 9—80347, 9—97066, 9—97067

Gouin, F., Shewchun, J., Garside, B.K. Effects of transient and permanent optical confinement on the far-field radiation pattern from electron-beam-pumped semiconductor lasers 9—86181

Goula, X., Pascal, G. Structure of the upper mantle in the convex side of the New Hebrides island arc 9—74861

Goulart Rosa, S., Jr. *see* Rino, J.P. 9—54050

Goulburn, J.R., Fearon, J. Deep ground coil evaporators for heat pumps 9—87967

Gould, A.J. *see* Paduano, H.N. 9—54556

Gould, C.M., Lee, D.M. Order parameter singularities in superfluid ^{3}He confined to small cylinders 9—55994

Gould, C.R., Jensen, M., Roberson, N.R., Edwards, S.E., Wender, S.A. Proposed computing facilities for Triangle Universities Nuclear Laboratory 9—89527

Gould, H. *see* Alonso, J. 9—68073

Gould, H. *see* Bergstresser, T.K. 9—87267

Gould, H.J. *see* Staynov, D.Z. 9—62179

Gould, J.M., Patterson, L.K., Ling, E., Winget, G.D. Phosphorylation in a simple system of lipids and chloroplast ATP synthetase driven by pulsed ionising radiation 9—92298

Gould, K.L. *see* Hamilton, G.W. 9—88170

Gould, R.D. Relationship of the current-voltage characteristics to the distribution of filament resistances in electroformed MIM structures 9—78204

Gould, R.G. *see* Boyd, D.P. 9—66521

Gould, R.J. Soft-photon emission effects and radiative corrections for electromagnetic processes at very high energies 9—71752

Gould, R.J. Compton and synchrotron processes in spherically-symmetric non-thermal sources 9—88583

Gould, R.O. *see* Beurskens, P.T. 9—99028

Gould, T. *see* Stassis, C. 9—86859

Goulding, C. *see* Blanpied, G.S. 9—85518

Goulding, C.A. *see* Boyer, K.G. 9—85539

Goulding, C.A. *see* Davis, J. 9—93662

Goulding, C.A. *see* Goodman, C.D. 9—54738

Goulding, C.A. *see* Kallne, J. 9—85521

Goulding, C.A. *see* McAdams, R.E. 9—85498

Goulding, C.A. *see* Otteson, O.H. 9—85519

Goulding, F.S. Ion identification with detector telescopes 9—72180

Gouleau, D. *see* Jusserand, C. 9—79811

Goulon, J., Greffe, J.-L., Oxtoby, D.W. Droplet model for the analysis of the dielectric properties of critical binary mixtures 9—69762

Goulty, N.R. Tidal triggering of deep moonquakes 9—66938

Goumiri, L., Joud, J.C., Desre, P. Surface tensions of binary liquid alloys having characteristic immiscibilities: Al-Pb, Al-Bi, Al-Sn and Zn-Bi 9—69325

Gounand, F. Calculation of radial matrix elements and radiative lifetimes for highly excited states of alkali atoms using the Coulomb approximation 9—59375

Gounand, F. *see* Hugon, M. 9—89761

Gounaris, G.J., Schildknecht, D., Renard, F.M. Test of Higgs boson nature in $e^+e^- \to HHZ$ 9—63405

Gounaris, G.J. *see* De Groot, E.H. 9—89096

Gourber, J.P., Resegotti, L. Implications of the low field levels in the LEP magnets 9—72051

Gourdin, W.H., Kingery, W.D. The defect structure of MgO containing trivalent cation solutes: shell model calculations 9—99180

Gourdin, W.H., Kingery, W.D., Driear, J. The defect structure of MgO containing trivalent cation solutes: the oxidation-reduction behaviour of iron 9—99181

Gourdon, J., Barbier, G., Peirano, F., Jeannot, A., Le Bourhis, A. Evolution of the core surveillance and protection system in fast reactors 9—76099

Gourdon, J., Penet, F., Savineau, M. Safety aspects of fast reactor core operation 9—97864

Gourdon, J. *see* Lavison, P. 9—81044

Goure, J.P. *see* Gagnaire, H. 9—89991

Gourier, D., Sapoval, B. Jump diffusion and rotational tunnelling of ammonium in β-alumina by NMR 9—99778

Gournier, G. *see* Balestri, B. 9—75794

Gourvez, P., Hanbaba, R. Calculation of the maximum usable frequency in the presence of steep gradients [HF propagation] 9—58177

Gouse, S.W. Potential resource surprises 9—79368

Gouskov, A. *see* Camassel, J. 9—61401

Gouskov, A. *see* Gouskov, L. 9—51581

Gouskov, L., Gouskov, A. Resistivity anisotropy in the layer plane of GaTe 9—51581

Goutelard, C., Caratori, J. Modelling of the ionosphere in problems of administration of HF transmission networks 9—58175

Gouteron, J. *see* Zarembowitch, J. 9—87440

Goutorbe, J.P. *see* Weill, A. 9—66762

Goutte, D. *see* Platchkov, S.K. 9—93541

Gouvras, G. Numerical calculations of annihilation radiation from point isotropic photon sources 9—85096

Goux, C. Model and properties of grain and phase boundaries 9—99216

Gouyet, J.F. Magnetic properties of dislocations, spin polarons 9—82531

Gouyet, J.-F. *see* Vazquez, G.J. 9—100405

Gouzou, J. *see* Wegria, J. 9—79004

Govardovskii, V.I. Mechanism of the generation of the early receptor potential and an electrical model of the rod of the rat retina 9—57647

Gove, H.E., Fulton, B.R., Elmore, D., Litherland, A.E., Beukens, R.P., Purser, K.H., Naylor, H. Radioisotope detection with tandem electrostatic accelerators 9—52806

Gove, H.E. *see* Eswaran, M.A. 9—89321

Gove, H.E. *see* Purser, K.H. 9—72182

Govers, T.R. *see* Baer, T. 9—50092

Govil, I.M. Vacuum pumps 9—75541

Govila, R.K., Kinsman, K.R., Beardmore, P. Phenomenology of fracture in hot-pressed silicon nitride 9—57090

Govind *see* Sodha, M.S. 9—50865

Govind, M.S.Sodha *see* Sodha Govind, M.S.

Govinda Raju, G.R., Guru Murthy, G.R. Wire-cylinder corona discharge with the wire at positive potential 9—94831

Govinda Raju, G.R., Rajapandian, S. Cross-field gas breakdown in a coaxial cylinder geometry 9—82029

Govinda Raju, S.P., Narasimha, R. Windmills for rural use 9—57353

Govinda Thirtha, D. *see* Mittal, M.L. 9—98884

Govindacharyulu, P.A., Bose, D.N. Silver iodide-growth, electrical and optical properties 9—77805

Govindacharyulu, P.A., Bose, D.N. Photoconductivity in β-AgI 9—95449

Govindarajan, J. *see* Pant, M.M. 9—83830

Govindarajan, R. *see* Neelakantaswamy, P.S. 9—70728

Govindarajan, T.R. *see* Mathews, P.M. 9—67207

Govor, L.I., Demidov, A.M., Komkov, M.M. On level excitation cross sections in the (n,n'γ) reaction with spherical doubly even nuclei with $28 \leq A \leq 152$ 9—67707

Govor, L.I. *see* Avchukhov, V.D. 9—75842

Govor, L.I. *see* Avchukov, V.D. 9—75841

Govor, L.I. *see* Demidov, A.M. 9—89268

Govorkov, A.V. *see* Bol'sheva, Yu.N. 9—52017

Govorkov, S.A., Tulin, V.A. Domain structure of antiferromagnetic $RbMnF_3$ in fields exceeding spin-flop value 9—69693

Govorkov, V.G., Chistyakov, I.G., Sizova, N.L., Gorina, I.I., Petuchov, B.V., Akchurin, M.S. On the investigation of temperature fields arising during plastic deformation of crystals 9—82278

Govorkov, V.G. *see* Stepantsov, E.A. 9—56053

Govyadovskii, Yu.B. *see* Balashov, A.P. 9—73217

Gow, R.S. *see* Dixon, F. 9—89453

Gowan, E., III *see* Deschamps, G.A. 9—50197

Gowda, B.K. *see* Biswas, D.K. 9—62089

Gowda, L.S. Vibrational constants of the electronic states of 2-atom molecule 9—93967

Gowda, R. *see* Ranganathaiah, C. 9—72285

Gowdy, G.M. *see* Braga, R.A. 9—67719

Gowdy, J.N. *see* Rochester, L.R. 9—76917

Gowdy, R.H. Projection tensor hydrodynamics: generalized perfect fluids 9—85029

Goy, G., Golay, M. Seven-colour photometry at the Geneva Observatory by means of an electronic camera 9—84682

Goy, P. *see* Gross, M. 9—86153

Goyal, A.K. *see* Murthy, I.S.N. 9—74768

Goyal, D.P. *see* Mozumder, A. 9—93469

Goyal, D.P. *see* Sengupta, P.K. 9—63547, 9—93471

Goyal, I.C. *see* Sharma, A. 9—76803

Goyal, I.C. *see* Sodha, M.S. 9—59980

Goyal, M.C., Jain, N.C. An integral approach for the flow along a porous vertical wall 9—77059

Goyal, M.C. *see* Purohit, G.N. 9—77105

Goyal, R.P., Singhal, M.K. Dispersion of phonons in transition metal oxides (FeO) 9—90743

Goyal, S.C., Kumar, V. Strain derivatives of the static dielectric constant of silver halides 9—56710

Goyal, S.C., Ram Prakash, Bakhshi, P.S., Sharma, O.P. Theory of the photoelastic constants of solids with ZnS structure 9—61335

Goyal, S.C. *see* Kumar, V. 9—60421

Goyal, S.C. *see* Prakash, R. 9—65837

Goypiron, A., de Villepin, J. Vibrational spectra of potassium fluorosulphate 9—95742

Gozani, T. Evaluation and vulnerability analysis of portal monitors 9—49722

Gozani, T. The development of continuous nuclear analyzer of coal 9—52851

Gozani, T., Bozorgmanesh, H., Abbott, G., Elias, E. Nondestructive examination of B_4C absorber rods with dual-energy gamma gauge and multigauge scanners 9—93721

Gozani, T., Bozorgmanesh, H., Brown, D., Elias, E., Maung, T., Reynolds, G. Coal elemental analysis by prompt-neutron activation analysis 9—52848

Gozani, T., Zebroski, E. Perimeter monitors as a supplement to materials accounting 9—89509

Gozani, T. *see* Elias, E. 9—52852

Gozens, J.R. Higher-mode cutoff in elliptical dielectric waveguides 9—98479

Graaf, A.M.de *see* de Graaf, A.M.

Graaf, E.J.de *see* de Graaf, E.J.

Graaf, L.A.de *see* de Graaf, L.A.

Graaf, P.de *see* de Graaf, P.

Graaff, C.S.de *see* de Graaff, C.S.

Grabachak, N.M. *see* Glazov, V.M. 9—51640

Graban, W. *see* Lachnik, E. 9—96650

Grabaric, B.S. *see* Bond, A.M. 9—79326

Grabbe, C.L. Energy flow and absorption along resonance cones near the lower hybrid 9—77405

Grabbe, E., Bucheler, E. Radiological small intestine diagnosis 9—100726

Grabchak, N.M. *see* Glazov, V.M. 9—50973

Grabenko, N.M. *see* Trefilov, V.I. 9—65084

Grabenstatter, K. *see* Gallenberger, H. 9—87943

Grabenstetter, J.E., Le Roy, R.J. Widths lifetimes and energies for metastable levels of atom-diatom complexes 9—89727

Graber, N., Wagner, H.J., Schwerdtfeger, C.F. On the site symmetry of Co^{2+} in $CdIn_2S_4$ 9—78729

Grabert, H. Fluctuations in nonlinear Markovian systems 9—75460

Grabert, H., Green, M.S. Fluctuations and nonlinear irreversible processes 9—67229

Grabert, H., Hanggi, P., Talkner, P. Is quantum mechanics equivalent to a classical stochastic process? 9—80468

Grabez, B., Todorovic, Z., Antanasijevic, R., Gerc, V. The binary decay of U, Th, Pb and Au induced by 380 MeV K^- mesons 9—93671

Grabinska, T., Heller, M., Zabierowski, M. Local electromagnetic field propagation in the imperfect fluid Friedman cosmology 9—84872

Grabis, Ya.P. *see* Kuzenkova, M.A. 9—100097

Grabitz, G., Hiller, W.J., Meier, G.E.A. On the wave structure of a weakly or under-expanded, stationary, rotationally symmetric, supersonic free jet 9—86483

Grabko, D.Z. *see* Boyarskaya, Yu.S. 9—51114

Grabmaier, J. *see* Aulich, H. 9—50427

Graboski, M.S., Daubert, T.E. A modified Soave equation of state for phase equilibrium calculations. III. Systems containing hydrogen 9—95118

Grabowski, M. A-entropy for spectrally absolutely continuous observables 9—54087

Grabowski, M. A-Entropy for generalized observables 9—71389

Graboys, T.B. *see* Armington, R.M. 9—66573

Grabski, M.W. *see* Lojkowksi, W. 9—77609

Gracey, B. Which meter? 9—50546

Grach, P.K. *see* Rogal', V.F. 9—52579

Grachev, A.A., Dudin, V.E., Zuykova, E.M., Tkhamokov, B.Kh. Optical spectra processing of meteoradiolocator echo signals 9—100968

Grachev, A.I., Kukharskii, A.A., Smirnov, I.A., Shul'man, S.G. Amplitude-phase holograms in samarium monosulphide films 9—94192

Grachev, A.I. *see* Petrov, M.P. 9—91095

Grachev, A.P. *see* Borodulin, V.I. 9—89933

Grachev, A.P. *see* Goncharov, I.G. 9—90038

Grachev, L.I. *see* Barabanov, V.N. 9—70254

Grachev, M.I. *see* Apel', V.D. 9—67609

Grachev, M.I. *see* Apel, W.D. 9—58978

Grachev, M.L. *see* Posyado, V.P. 9—90800

Grachev, V.M. *see* Gal'per, A.M. 9—80133

Gracheva, G.G., Zaid, E.G., Kompanets, I.N., Kotyrev, E.A., Sobolev, A.G., Shatov, V.A. A one-dimensional spatial light modulator using PZT ceramics 9—55240

Gracheva, G.M. *see* D'yakanov, M.N. 9—61539

Gracheva, L.I. *see* Tret'yachenko, G.N. 9—65226, 9—66232

Gracovetsky, S., Moses, R., Harfan, H., Lamy, C. Modelling and simulation of the human lumbar spine 9—83840

Gradari, L. *see* Bragagnoli, F. 9—97782

Grade, J.S., Arandes, J.H. Harnessing solar energy for use in hospital buildings 9—79383

Gradie, J.C. *see* Gehrels, T. 9—66942

Gradl, D.A. *see* Linnenbrink, T.E. 9—89540

Gradman, A.H., Lewis, J.W. YALECG: a new system for computer analysis of ambulatory electrocardiograms 9—70661

Gradoboev, A.V., Peshev, V.V. Measurement of the resistivity of epitaxial layers using a mercury-gallium arsenide barrier contact 9—60945

Gradov, O.M., Eyunder, D., Karl, P. Parametric turbulence of inhomogeneous plasma layer 9—68921

Gradsztajn, E. *see* Radin, J.R. 9—93625

Grady, D.E., Hollenbach, R.E. Dynamic fracture strength of rock 9—62486

Grady, L.M. *see* Chapman, L.D. 9—85674

Gradyushko, A.T., Dvornikov, S.S., Knyukshto, V.N., Solovev, K.N. Effect of deuteration of additional ligands on the probability of radiationless deactivation of the lowest triplet state of magnesium prophyrins 9—99932

Gradyushko, A.T., Dvornikov, S.S., Solov'ev, K.N., Tsvirko, M.P. Polarization of the phosphorescence of chlorophyll-like molecules 9—85980

Gradyushko, A.T., Solovev, K.N., Tsvirko, M.P. Polarization of the phosphorescence of chlorophyll-like molecules. III. Metal complexes of octaethylchlorin and octaethylisobacteriochlorin 9—54906

Gradyushko, A.T., Solov'yev, K.N., Tsvirko, M.P. Effect of molecular structure on the probabilities of radiation and nonradiation transitions in the molecules of chlorophyll derivatives 9—92138

Gradyushko, A.T. *see* Gladkov, L.L. 9—64010

Graebner, J.E., Golding, B. Phonon echoes in a glass at low temperatures 9—65163

Graebner, J.E. *see* Cheng, L.S. 9—73427

Graedel, T.E. Reduced sulfur emission from the open oceans 9—70805

Graedel, T.E., Farrow, L.A. The effects of entrained species on urban photochemical product concentrations 9—92566

Graedel, T.E. *see* Cleveland, W.S. 9—83677

Graef, H.D. *see* Axel, P. 9—72042

Graeff, J.de *see* de Graeff, J.

Graeff, W. *see* Badurek, G. 9—50950

Graeffe, G. *see* Putila, P. 9—85934

Graessley, W.W. *see* Cozewith, C. 9—79246

Graf, A., Rauch, H., Stern, T. Diffraction of cold neutrons by ruled gratings 9—94139

Graf, F. Dynamics of proton tautomerism in 2,5-dihydroxy-p-benzoquinone: a ^{13}C NMR and CNDO study 9—52632

Graf, F. *see* Meyer, R. 9—97986

Graf, G. Optical memory disks for information processing systems 9—68364

Graf, G. *see* Glass, J.C. 9—66448

Graf, G. *see* McMahon, P.L. 9—88061

Graf, H., Holzschuh, E., Recknagel, E., Weidinger, A., Wichert, T. Anomalous muonium in germanium 9—56677

Graf, H., Holzschuh, E., Recknagel, E., Weidinger, A., Wichert, T. Diffusion of positive muons in nickel and iron 9—56688

Graf, H. *see* Boekema, C. 9—56674

Graf, H. *see* Echt, O. 9—56702

Graf, H. *see* McCombie, C. 9—81037

Graf, I.F. *see* Flaminio, V. 9—89187

Graf, J.L., Jr. Rare earth elements, iron formations and sea water 9—66715

Graf, M.C. *see* White, F.R. 9—56936, 9—78903

Graf, V. *see* Reinhart, K.F. 9—87328

Graf, W.L. The development of montane arroyos and gullies 9—74905

Grafagnini, R. *see* Balestra, F. 9—85437

Grafarend, E.W. Criterion matrices. I. Two dimensional homogeneous and isotropic geodetic networks 9—100983

Grafe, A., Pudovkin, M.I., Troshichev, O.A. Do DP11-variations exist in the polar cap? 9—62677

Grafe, A. *see* Lauter, E.A. 9—88523

Graff, H., Earle, M.D. Stratospheric radiance variations as seen by horizon sensors 9—100957

Graff, K., Fischer, H. Carrier lifetime in silicon and its impact on solar cell characteristics 9—74521

Graff, K.F. *see* LeMaster, R.A. 9—50561

Graffi, S., Grecchi, V. Confinement of the resonances in hydrogen Stark effect 9—49982

Graffi, S., Grecchi, V., Levoni, S., Maioli, M. Resonances in one-dimensional Stark effect and continued fractions 9—59395

Graffi, S., Grecchi, V., Simon, B. Complete separability of the Stark problem in hydrogen 9—68209

Graffi, S. *see* Benassi, L. 9—49086

Graffi, S.D. *see* Arlotti, L. 9—93083

Grafov, B.M. *see* Vorotyntsev, M.A. 9—94590

Grafov, V.S. *see* Satarov, V.V. 9—75546

Graftieaux, J., Donguy, R., Douet, P., Riquois, G. Effect of measurement conditions on the design of delayed-neutron detector units 9—97855

Gragert, P.K.H. *see* van de Braak, H.P. 9—78293

Gragg, R.F., Schieve, W.C., Bulsara, A.R. Stochastic-master-equation description of an optical bistability: A comparison with the microscopic theory 9—76652

Graham, C.D., Jr., Egami, T. Magnetic properties of amorphous alloys 9—65665

Graham, C.D., Jr *see* Blundell, M. 9—73776

Graham, C.D., Jr. *see* Notis, M.R. 9—51815

Graham, C.D., Jr. *see* Trout, S.R. 9—82779

Graham, D.E., Phillips, M.C. Proteins at liquid interfaces. I. Kinetics of adsorption and surface denaturation 9—79460

Graham, D.E., Phillips, M.C. Proteins at liquid interfaces. II. Adsorption isotherms 9—79461

Graham, D.E., Phillips, M.C. Proteins at liquid interfaces. III. Molecular structures of adsorbed films 9—79462

Graham, E.K. *see* Shimada, M. 9—60498

Graham, G.M. *see* Caporaletti, O. 9—56517

Graham, G.M. *see* Lahoz, D.G. 9—55027, 9—64141

Graham, J.A. The premaximum spectrum of a Magellanic Cloud nova 9—62853

Graham, J.A. *see* Rose, J.A. 9—92872

Graham, K.J. *see* Perkins, J. 9—96238

Graham, M.J. *see* Caplan, D. 9—61790

Graham, M.R. *see* Wasylishen, R.E. 9—56621

Graham, R. Short time propagators in Riemann geometries 9—63129

Graham, R. *see* Brand, H. 9—82406

Graham, R. *see* Deininghaus, U. 9—84945

Graham, R.A., Asay, J.R. Measurement of wave profiles in shock-loaded solids 9—94564

Graham, R.A. *see* Bowen, W.W. 9—89479

Graham, R.E., Gutman, D. Measurement of branching ratios for the $O+Cs_2 \rightarrow OCS+S$ reaction 9—52656

Graham, T.S. *see* Pierucci, M. 9—72748

Graham, W.G. Negative hydrogen ion production by low energy hydrogen atom bombardment of surfaces 9—100006

Graham, W.G., Ruby, L. Radiation-induced degassing of cryopumps 9—85780

Graham, W.G., Ruby, L. Cryopump measurements relating to safety, pumping speed, and radiation outgassing [neutral beam injectors] 9—88968

Grainger, F., Gale, I.G. Direct analysis of solid cadmium mercury telluride by flameless atomic absorption using interactive computer processing 9—66380

Graja, A. *see* Przybylski, M. 9—87087

Gralnick, S.L., Ojalvo, I.U., Zatz, I.J., Balderes, T. Compatibility consideration for zero moment Tokamak toroidal field coils 9—93824

Gralnick, S.L. *see* Jassby, D.L. 9—50898

Gram, P.A.M. *see* Bolger, J. 9—85515

Gram, P.A.M. *see* Frank, J.S. 9—85329

Gram, P.A.M. *see* Leon, M. 9—76534

Gram, P.A.M. *see* McAdams, R.E. 9—85498

Gram, P.A.M. *see* Otteson, O.H. 9—85519

Grama, C., Grama, N., Voiculescu, G. A cooling system for silicium detectors 9—85867

Grama, C. *see* Abou-Leila, M.A.A. 9—85576

Grama, N. *see* Grama, C. 9—85867

Gramaccioli, C.M., Filippini, G. Calculation of Coulombic energy for molecular crystals 9—99104

Gramaccioli, C.M. *see* Filippini, G. 9—86966

Gramann, R.H. Synthesis of physical security assessment results [nuclear facility] 9—85740

Gramari, N. *see* Coxon, J.A. 9—59470

Gramberg, U., Gunther, T. Strain measurements with resistance strain gauges subjected to high pressures 9—49245

Gramenitskii, I.M. *see* Abdivaliev, L. 9—93568

Gramenitsky, I.M. *see* Boos, E.G. 9—49548, 9—67611, 9—89203

Grammaticos, B., Liu, K.F. Cranking calculations with self-consistent symmetries in a triaxial basis 9—54374

Grammaticos, B., Vautherin, D. Hartree-Fock calculations of crystalline structure of nuclear matter with hard-core potentials 9—93543

Grammaticos, B. *see* Bonche, P. 9—93676

Grammatin, A.P. Modern computer optics 9—94322

Grammer, G., Jr. *see* Bitar, K.M. 9—49399

Gramont, L. *see* Girard, A. 9—84433

Grams, G.W. Laser atmospheric studies: an overview of recent work and potential contributions to the atmospheric sciences 9—66789

Grams, J. *see* Rose, H. 9—97846

Gramz, M. *see* Sikora, R. 9—94123

Grana, F. *see* Sanchez, C. 9—96447

Granada, J.R., Stanton, G.W., Clarke, J.H., Dore, J.C. Structural studies of tetrachloride liquids. III. Molecular structure of CCl_4, $SiCl_4$, $TiCl_4$, $GeCl_4$ and $SnCl_4$ 9—73089

Granada, J.R. *see* Clarke, J.H. 9—69004

Granados, C.E. *see* Brosed, A. 9—92377

Granata, G. *see* Fidone, I. 9—55473

Granata, R.D. *see* Sarada, T. 9—61969

Granati, P. *see* Borgianni, C. 9—60256

Grand, G., Demit, J., Ruste, J., Torre, J.P. Composition and stability of Y-Si-Al-O-N solid solutions based on α-Si_3N_4 structure 9—74136

Grand, J.J.Le *see* Le Grand, J.J.

Grand, P. The use of high energy accelerators in the nuclear fuel cycle 9—49814

Grand, P., Powell, J.R., Steinberg, M., Takahashi, H. Linear accelerator driven and regenerative reactor systems 9—81062

Grand, P. *see* Steinberg, M. 9—67980

Grandchamp, J.P. *see* Lejeune, C. 9—49889

Grandclaude, P. The nature of the environmental information consequences for data collection, banking, processing and display in information systems 9—57500

Grande, M.J. *see* Bate, H. 9—83834

Grandi, T.A. *see* Kunzler, J.V. 9—91020

Grandin, J.P. *see* Husson, X. 9—68211

Grandjacques, M. Unsteady measurements in an air intake 9—72963

Grandjean, D. *see* Fourrier-Lamer, A. 9—49264

Grandjean, F., Gerard, A. Mossbauer spectra of several ternary silicides, germanides, and antimonides of transition metals 9—91324

Grandjean, P. *see* Devaux, C. 9—75096

Grandon, D.G. *see* Ari-Gur, P. 9—91691

Grandori, F., Pedotti, A. A model for the stimulus processing in mechano-receptors (Pacinian corpuscles) 9—74633

Grandpierre, A. *see* Kovacs, I. 9—85944

Grandpre, C.de Borne de *see* de Borne de Grandpre, C.

Granceau, P. *see* Ames, E.E. 9—88969

Graneli, A. *see* Andersson, L. 9—49267

Graner, G., Anttila, R., Kauppinen, J. High-resolution infrared spectrum of the ν_3 and ν_6 bands of HCF_3 and of their hot bands 9—81204

Graner, G. *see* Anttila, R. 9—64000

Granfors, P.R. *see* Gates, J.V. 9—73374

Grange, P. *see* Delannay, F. 9—61898

Grange, P. *see* Gajardo, P. 9—52755

Grange, P. *see* Thakur, D.S. 9—79289

Grange, Y. *see* Le Gal, H. 9—95921

Granger, R.J., Male, D.H. Melting of a prairie snowpack 9—84310

Granger, W.C., Jr. *see* Fay, F.S. 9—88064

Granier, B. *see* Coutures, J.P. 9—70268

Granier, J. Elaboration of titanium nitride coatings by reactive evaporation and activated reactive evaporation 9—57126

Granier, J.P. *see* Saab, A. 9—84398

Granier, W. *see* Al Oraibi, Z. 9—51060

Grankin, I.M. *see* Bidenko, V.A. 9—68521

Grannan, D.M. *see* Schmidt, M.P. 9—89146

Granneman, E.H.A. *see* Wijnakker, M.M.B. 9—82122

Grannis, P. *see* Abshire, G. 9—81124

Granovskii, A.B., Rukman, G.I., Stepanov, B.M., Shelemin, E.B. Spectral conversion of optical radiation in a thin magnetic film 9—64344

Granovskii, A.B. *see* Abakumov, B.M. 9—67417

Granovskii, A.B. *see* Rukman, G.I. 9—67250

Granovskii, E.A. *see* Gololobov, I.M. 9—100376

Granqvist, C.G. Photothermal conversion of solar energy by gold cermet coatings: applicability of the Bruggeman effective medium theory 9—83627

Granqvist, C.G., Calander, N., Hunderi, O. Optical properties of ultrafine silver particles 9—78772

Granqvist, C.G., Hunderi, O. Selective absorption of solar energy in ultrafine metal particles model calculations 9—57440

Granqvist, C.G., Hunderi, O. Size effects in the optical absorption of ultrafine aluminium particles 9—99965

Granqvist, C.G. *see* Hunderi, O. 9—79405

Granqvist, C.G. *see* Niklasson, G.A. 9—62035, 9—100538

Grant, A. Problems with polymers in dentistry 9—83434

Grant, A. *see* Blietschau, J. 9—93396

Grant, A.J. *see* Farrow, R.F.C. 9—87016

Grant, B., Clecak, N.J., Cox, R.J. Novel liquid crystalline materials. Synthesis and preliminary characterization of new 4,4'-disubstituted diphenyldiacetylene, tolane and stilbene derivatives 9—82148

Grant, C.J. Electrochemical corrosion measurements on IN 738 and FSX 414 gas turbine alloys in molten sulphates 9—96178

Grant, D.C., Jr The Litton LC-2717 laser gyro 9—72598

Grant, D.M. *see* Zilm, K.W. 9—59491

Grant, I.D.R., Chisholm, D. Two-phase flow on the shell-side of a segmentally baffled shell-and-tube heat exchanger 9—77233

Grant, I.P. Relativistic atomic structure calculations 9—59379

Grant, I.P. *see* Beatham, N. 9—54816

Grant, J.R. *see* VanZandt, T.E. 9—84367

Grant, J.T., Hartnagel, H.L., Schuermeyer, F.L., Bayraktaroglu, B., Mays, D. Multiple insulator layers on GaAs studied by Auger analysis 9—83345

Grant, J.T. *see* Goto, K. 9—91542

Grant, J.T. *see* Park, Y.S. 9—55774

Grant, K.R. *see* Borrell, P. 9—89618

Grant, M.A. Two-phase linear geothermal pressure transients: a comparison with single-phase transients 9—66664

Grant, M.C. *see* Lewis, W.M., Jr. 9—84329

Grant, N.J. *see* Megusar, J. 9—57057

Grant, N.R. *see* Feldman, M.J. 9—89476

Grant, P.J. *see* Head, J.L. 9—81032

Grant, P.M., Batra, I.P. Band structure of polyacetylene $(CH)_x$ 9—51477

Grant, P.M., Whipple, R.E., O'Brien, H.A., Jr., Kulprathipanja, S. The influence of carrier strontium level and eluant volume on the performance of (Sr-82)-(Rb-82) biomedical generators 9—53247

Grant, P.M. *see* Corl, P.D. 9—52611

Grant, R.J., Ingram, M.D., Turner, L.D.S., Vincent, C.A. Optimized ionic conductivity in glass. Vitreous $Ag_7I_4AsO_4$ electrolytes 9—77807

Grant, R.W. *see* Harrison, W.A. 9—51657

Grant, R.W. *see* Waldrop, J.R. 9—74049

Grant, W.A., Christodoulides, C.E., Pogarides, D.Ch., Williams, J.S. Thermal oxidation of silicon studied by high resolution Rutherford backscattering 9—87911

Grant, W.A. *see* Grundy, P.J. 9—91272

Grant, W.D., Madsen, O.S. Combined wave and current interaction with a rough bottom 9—70808

Grant, W.H. *see* Almond, P.R. 9—53244

Grant, W.H. *see* Graves, R.G. 9—62347

Grant, W.P., Arango, I., Clayton, D.N. Geotechnical data at selected strong motion accelerograph station sites 9—88310
Grant Athay, R., White, O.R. Chromospheric oscillations observed with OSO 8. IV. Power and phase spectra for C IV 9—53785
Grantham, D.D. *see* Lund, I.A. 9—53480
Grantham, D.W., Wightman, F.L. Detectability of a pulsed tone in the presence of a masker with time-varying interaural correlation 9—88080
Grantham, F.H. *see* Goldstein, S.R. 9—92455
Granzer, E. *see* Bonsor, D.H. 9—51013
Granzini, R., Guarro, S., Santinelli, A. Two-phase flow rods for CIRENE reactor control 9—59217
Grard, F. *see* de Wolf, E.A. 9—49543
Grasdalen, G.L., Sneden, C. Highly reddened M-type supergiants from the IRC catalog 9—84796
Grase, F. *see* Bridoux, M. 9—86040
Graser, M., Jr. *see* Berzins, G.J. 9—64313
Grasmueck, B. *see* Chestnut, R. 9—89533
Grass, F. *see* Schonhofer, F. 9—57334
Grassano, U.M. *see* Baldacchini, G. 9—61350
Grassano, U.M. *see* Casalboni, M. 9—73991, 9—78745
Grasselli, P. *see* Rigler, R. 9—62193
Grassi Strini, A.M., Strini, G., Tagliaferri, G. Sensitivity of laboratory tests of gravitation beyond the geometrical optics limit 9—85053
Grassiani, M. The effect of cold work on the corrosion behaviour of ferrous alloys 9—74299
Grassie, A.D.C., Boakye, F. The low temperature resistivity of α-manganese films and its relationship to deposition conditions 9—78223
Grassie, A.D.C., Wale-Evans, G. Evaporated thin films of $Sn_{1-x}Ge_xTe$ 9—60944
Grassino, A. *see* Gross, D. 9—88069
Grassl, E. *see* Winzer, G. 9—72704
Grassl, H.-P., Maier, M. Efficient stimulated Raman scattering in silicon 9—94289
Grassler, H. *see* Blietschau, J. 9—93396
Grassler, H. *see* Givernaud, A. 9—58982
Grassmann, P.P. Applications of the electrolytic method. I. Advantages and disadvantages, mass transfer between a falling film and the wall 9—68827
Grassmann, P.P., Tuma, M. Applications of the electrolytic method. II. Mass transfer within a tube for steady, oscillating and pulsating flows 9—68828
Grasso, M. *see* Nassau, K. 9—61568
Grasso, V. *see* Antonangeli, F. 9—65976
Grasso, V. *see* Doni, E. 9—65376
Grasso, V. *see* Giorgianni, U. 9—73972
Grasty, R.L. Estimates of ground concentration from airborne radiometric data 9—53575
Grasty, R.L. Estimating the fallout on Great Slave Lake from Cosmos-954 9—85830
Grasyuk, A.E. *see* Vasil'ev, B.I. 9—89721
Grasyuk, A.Z., Grebenyuk, V.N., Efimkov, V.F., Izgorodin, V.M., Kormer, S.B., Yushko, K.B. Influence of the degree of polarization on the gain in stimulated Raman scattering 9—89965
Grasyuk, A.Z., Karev, Yu.I., Losev, L.L., Smirnov, V.G. Composite tunable laser at 1.89, 3.39, and 16 μ 9—72596
Grasyuk, A.Z. *see* Vasil'ev, B.I. 9—72557
Gratias, D. *see* Guymont, M. 9—94960, 9—95175
Gratreau, P., Robouch, B.V. Analysis of particle orbits in an ultra-high-current plasma column 9—64824
Gratsianov, K.V., Ivanov, Yu.P., Kolesnikov, B.N., Malinin, B.G., Perlov, D.I., Stepanov, A.I. Method of regulating the power of a solid-state laser by Q-switching using an optomechanical shutter 9—72609
Gratsianov, Yu.A. *see* Prokoshin, A.F. 9—78441
Gratton, E., Delgado, R.L. Use of synchrotron radiation for the measurement of fluorescence lifetimes with subpicosecond resolution 9—72447
Gratzel, M. *see* Lachish, U. 9—50032
Gratzer, W.B. *see* Ungewickell, E. 9—96514
Graubmann, S., Berghaus, U., Bruckmann, H., Lara, P., Korber, H.G., Meyer-Rassow, H.P., Sinram, K., Wick, K. The total reaction cross section for α-induced deuteron break-up in the energy range 20-28 MeV 9—89317
Grave, T., Keilmann, F. Relaxation dynamics and photoconductivity in p-type germanium 9—51636
Graven, R.M., Gorski, A.J., McIntire, W.R. On the design of CPC photovoltaic solar collectors 9—61998
Graven, R.M., Hunn, B.D., Roschke, M.A., Rosenfeld, A.H., Cumali, Z.O., Lokmanhekim, M. Analysis and design of solar buildings using the Cal-ERDA computer programs 9—57456
Gravenor, C.P. The nature of the Late Paleozoic glaciation in Gondwana as determined from an analysis of garnets and other heavy minerals 9—100874
Gravenor, C.P. *see* Stupavsky, M. 9—70745
Graves, J.S. The chemical cleaning of Dresden Unit 1 9—54591
Graves, R. *see* Almond, P.R. 9—53244
Graves, R.E. *see* Corrigan, D.A. 9—91288
Graves, R.G., Smathers, J.B., Almond, P.R., Grant, W.H., Otte, V.A. Neutron energy spectra of d(49)-Be and p(41)-Be neutron radiotherapy sources 9—62347
Graveson, R.T. *see* Guggenheim, S.F. 9—67962
Gravesteijn, D.J., Glasbeek, M. Optically detected magnetic resonance and spin coherence in the phosphorescent state of exchange-coupled F^+-center pairs in CaO 9—87336
Gravier, P., Chassaing, G., Sigrist, M. Optical properties of thin films of BCC transition metals 9—78781
Graw, G. *see* Schiemenz, P. 9—85450
Gray, A.H., Jr. *see* Buzo, A. 9—59881
Gray, A.H., Jr. *see* Wong, D.Y. 9—86304
Gray, A.M. *see* Gray, D.M. 9—82510
Gray, A.S. *see* Goldsmid, H.J. 9—93147
Gray, C.G. Magnetic multipole expansions using the scalar potential 9—58493
Gray, C.G. *see* Murad, S. 9—86662
Gray, C.M., Compston, W. A rubidium-strontium chronology of the metamorphism and prehistory of central Australian granulites 9—53326
Gray, D.C. *see* Dzikowski, K.J. 9—67917
Gray, D.D. The laminar flat radial jet of an incompressible power law fluid 9—64731
Gray, D.D. The laminar wall plume in a transverse magnetic field 9—86398
Gray, D.F., Martin, B.E. A comparison of turbulence in normal and super-metal-rich K giant stars 9—92756
Gray, D.L., Robiette, A.G. The anharmonic force field and equilibrium structure of methane 9—76365
Gray, D.L., Robiette, A.G., Pine, A.S. Extended measurement and analysis of the ν_3 infrared band of methane 9—98098
Gray, D.M., Gray, A.M. Calculated shifts in electronic states for FCC hydrogen 9—82510
Gray, D.R. Microstructure of crenulation cleavages: an indicator of cleavage origin 9—70784
Gray, E.L. *see* Wouch, G. 9—70052
Gray, E.M. The alternating magnetisation of 16.7 at.% CuMn 9—91241
Gray, E.R. *see* Cline, D.B. 9—68004, 9—68005
Gray, E.R. *see* Gannon, J.C. 9—72139
Gray, F.G. *see* Meadows, D.N. 9—80590
Gray, G. *see* Coates, G. 9—100655
Gray, G.R. *see* Dennison, R.W. 9—80629
Gray, G.W., Hannant, M. The crystalline state and the mesophases of cholesteryl oleyl carbonate 9—95143
Gray, G.W., McDonnell, D.G. Liquid crystal compounds incorporating the trans-1,4-substituted cyclohexane ring system 9—90543
Gray, G.W. *see* Barrall, E.M., II 9—77508
Gray, G.W. *see* Goodby, J.W. 9—55661, 9—86684, 9—94881, 9—94891
Gray, G.W. *see* Leadbetter, A.J. 9—86707, 9—94896
Gray, H.B. *see* Dooley, D.M. 9—92125
Gray, H.B. *see* Tyler, D.R. 9—59480
Gray, J.C., Garrett, B.C., Truhlar, D.G. Detailed balance in quasiclassical trajectory calculations of thermal rate constants for chemical reactions 9—87822
Gray, J.E. *see* Stein, S.R. 9—54109
Gray, J.H. *see* Hofstetter, K.J. 9—81070
Gray, J.R., Yardley, B.W.D. A Caledonian bluesschist from the Irish Dalradian 9—53348
Gray, K.E., Willemsen, H.W. Experimental determination of the quasiparticle distribution function in non-equilibrium superconductors 9—56413
Gray, L.J. *see* Hemenger, R.P. 9—70523
Gray, P., Johnson, S.M. Comparison of theoretical and experimental higher order structure factors and their inverses, for liquid Ne 9—55646
Gray, R.I., Wexler, J.P., Byrd, W.E. A microprocessor based cardiac probe for gated equilibrium and beat-by-beat left ventricle function 9—62396
Gray, R.J. Failure analyses of surgical implants from the human body can improve product and performance reliability 9—62407
Gray, R.J., Sikka, V.K., King, R.T. Detecting transformation of delta-ferrite to sigma-phase in stainless steels by advanced metallographic techniques 9—61816
Gray, R.J. *see* Baker, R.D. 9—89182
Gray, R.J. *see* Bourquin, M. 9—71768
Gray, R.J. *see* Brown, R.M. 9—71761
Gray, R.M. *see* Buzo, A. 9—59881
Gray, S. A crater reveals an enigma. The evolution of the planets explained by the analysis of rocks? 9—88355
Gray, S. *see* Polvado, R. 9—63543
Gray, S.W. *see* Court, G.R. 9—63832
Gray, S.W. *see* Ems, S.C. 9—63541
Gray, S.W. *see* Polvado, R.O. 9—58983
Gray, T.J., Richard, P., Gealy, G., Newcomb, J. Al K X-ray production for incident ^{16}O ions: the influence of target thickness effects on observed target X-ray yields 9—69906
Gray, T.J. *see* Gardner, R.K. 9—54947, 9—78794
Gray, T.J. *see* Schmiedekamp, A. 9—81269
Gray, T.J. *see* Tawara, H. 9—76379, 9—83060
Gray, W.G. *see* Lynch, D.R. 9—84282
Gray, W.H., Stoddart, W.C.T., Akin, J.E. A derivation of bending free toroidal shell shapes for Tokamak fusion reactors 9—64503
Gray, W.M. Hurricanes: their formation, structure and likely role in the tropical circulation 9—88462
Graybeal, L. *see* Litton, C.D. 9—75672
Grayer, G. *see* Becker, H. 9—54363, 9—63533
Grayson, J. *see* Johnson, W.R. 9—92456, 9—96598
Grayson, M.A. The formation of rhenium compounds in a mass spectrometer with a rhenium filament 9—74465
Grayzeck, E.J., Fitzgerald, M.P., Luiken, M. Study of the open cluster NGC 6546 and Cepheid AV Sagittarii 9—58387
Grazhulene, S.S. *see* Musikhin, L.A. 9—95020
Grazhulis, V.A. Application of EPR and electric measurements to study dislocation energy spectrum in silicon 9—82547
Graziani, F. *see* Cassen, P. 9—84690
Graziano, J. *see* Piomelli, S. 9—92190
Grdlichko, E.M. *see* Budov, V.M. 9—97785
Greatbatch, W., McLean, R., Holmes, W., Holmes, C. A microcalorimeter for nondestructive analysis of pacemakers and pacemaker batteries 9—57813
Greaves, G.N. Intrinsic and modified defect states in silica 9—60756
Greaves, G.N., Elliott, S.R., Davis, E.A. Amorphous arsenic 9—51935
Greb, D.J. Calibration intervals specification and instrument quality 9—93090
Grebe, G. *see* Weyer, G. 9—51891
Grebe, S.F. *see* Siemsen, J.K. 9—57771
Greben, J.M., Levin, F.S. On the description of direct nuclear rearrangement reactions using various coupled channel equations 9—89271
Greben, J.M., Levin, F.S. Test of bound-state approximations in a three-body model of rearrangement collisions 9—93595
Greben, J.M., Woloshyn, R.M. A study of non-relativistic approximations to the pion production operator in $^4He(p,n\pi^+)^4He$ 9—85500
Greben, J.M. *see* Levin, F.S. 9—75937
Grebenik, V.M., Tolstikov, G.I. On the spread of parameters of the fatigue curve 9—98667
Grebenkin, M.F. *see* Barnik, M.I. 9—55803
Grebennik, I.P. Electrical resistance of polycrystalline silver films with artificial surface roughness 9—82688
Grebennik, V.N. *see* Legasev, V.A. 9—97886
Grebennikov, V.I. *see* Matveev, Yu.A. 9—91560
Grebenyuk, V.N. *see* Grasyuk, A.Z. 9—89965
Grebinnik, V.G., Gurevich, I.I., Klimov, A.I., Majorov, V.N., Manych, A.P., Melnikov, E.V., Nikolsky, B.A., Pirogov, A.V., Ponomarev, A.N., Selivanov, V.I., Suetin, V.A., Zhukov, V.A. μSR investigation of metals: antiferromagnetic Cr and superconducting V_3Ga 9—56667
Grebinnik, V.G., Gurevich, I.I., Klimov, A.I., Majorov, V.N., Manych, A.P., Melnikov, E.V., Nikolsky, B.A., Pirogov, A.V., Ponomarev, A.N., Selivanov, V.I., Suetin, V.A., Zhukov, V.A. μSR investigation of metals: localisation of the μ^+ and lattice dilation 9—56694
Grebinnik, V.G., Gurevich, I.I., Zhukov, V.A., Manych, A.P., Nikolskii, B.A., Selivanov, V.I., Suetin, V.A. Relaxation of the μ^+-meson spin in the rare earth metals at various temperatures 9—87369
Grebionkin, Yu.P., Kryachko, V.M. On gas bubble kinematics under strong acoustic wave pressure in a liquid 9—94708
Grebnev, N.I. *see* Algazin, Yu.B. 9—65823
Grebowicz, J. *see* Pakula, T. 9—70107
Grec, G., Fossat, E. Comment about phase coherence of solar diameter pulsations 9—92747
Grec, G., Fossat, E. Calculation of pseudo solar narrow band oscillations produced by atmospheric differential extinction 9—101131
Grec, G., Fossat, E., Brandt, P., Deubner, F.L. Solar pulsations and angular coherence of atmospheric transparency fluctuations 9—101130
Grecchi, V. *see* Benassi, L. 9—49086
Grecchi, V. *see* Graffi, S. 9—49982, 9—59395, 9—68209
Grecescu, M. *see* Galatanu, V. 9—61931
Grechannyi, O.A. Stochastic approach and functional models in the kinetic theory of gases 9—60091
Grechishkin, V.S. *see* Anferov, V.P. 9—95683
Grechishnyi, V.V. *see* Velyus, L.M. 9—52824
Grechko, V.E. *see* Boos, E.G. 9—49548, 9—89203
Grechnev, K.V. *see* Istomin, V.G. 9—66947
Grechukhin, D.P., Soldatov, A.A. Orientation of nuclei excited on annihilation of positrons in heavy atom shells 9—49602
Grechukhin, D.P., Soldatov, A.A. Probabilities of mono-energy pair conversion of nuclear multipoles 9—93555
Grechushnikov, B.I. *see* Kachalov, O.V. 9—65858
Grechushnikov, B.N., Kaldybaev, K.A., Konstantinova, A.F., Perekalina, Z.B. Determination of linear birefringence in a benzyl crystal in the absorption band 9—56761

Grechushnikov, B.N., Kalinkina, I.N. Single-valued breakdown of a complex spectral contour into two components 9−49989
Grechushnikov, B.N., Veremeichik, T.F. A method for checking energy matrices in crystal field theory 9−56173
Grechushnikov, B.N. *see* Kaldybaev, K.A. 9−61328
Grechushnikov, B.N. *see* Karpov, I.I. 9−65080, 9−78719, 9−95843, 9−95924
Grechushnikov, B.N. *see* Parshin, A.Ya. 9−75609
Grechyshnikov, B.N. *see* Veremeichik, T.F. 9−54829
Greco, E.C. *see* Clark, J.W., Jr. 9−62223
Greco, M. *see* Curci, G. 9−97580
Greco, R. *see* Costagliola, M. 9−57053
Grecos, A.P. *see* Theodosopulu, M. 9−77054
Grecu, D. *see* Croitoru, M. 9−86862
Greday, T. *see* Messien, P. 9−91704
Gredeskul, O.A. Parametric amplification of spin-helicon waves in ferromagnetic semiconductors 9−69665
Greef, J.van der *see* van der Greef, J.
Greeff, K. *see* Hafner, D. 9−53167, 9−83817
Greegor, R.B. *see* Lytle, F.W. 9−72256
Greeley, D.A., Crapo, J.D. Practical approach to the estimation of the overall mean caliper diameter of a population of spheres and its application to data where small profiles are missed 9−70719
Green, A.E.S., Singhal, R.P. Microplume model of spatial-yield spectra 9−98235
Green, A.E.S. *see* Ganas, P.S. 9−81286
Green, A.E.S. *see* Garrison, L.M. 9−53401
Green, A.E.S. *see* Jackman, C.H. 9−100992
Green, A.E.S. *see* Spinhirne, J.D. 9−70883
Green, A.J., Christopoulos, C. Plasma buildup and breakdown delay in a triggered vacuum gap 9−73048
Green, A.M. The nucleon-nucleon potential, isobar configurations in nuclei and pion production 9−63666
Green, A.M. The nucleon-nucleon potential (a review) 9−71795
Green, A.M. Isobar configurations in nuclei 9−71799
Green, A.M. Nuclear physics with Ns and Δ's: the coupled channels method 9−97667
Green, A.M., Sainio, M.E. A microscopic model for the pd→tπ$^+$ reaction using realistic nuclear wavefunctions 9−85465
Green, A.R. *see* Cradock, S. 9−98096
Green, B.A. *see* Hazen, W.E. 9−62703
Green, C.A. *see* Walker, A.D.M. 9−96862
Green, C.H. Radius optimisation in an ultrasonic specimen with a circular gauge profile 9−79190
Green, D.G. *see* Cicerone, C.M. 9−53124
Green, D.G. *see* Powers, M.K. 9−53102
Green, D.J., Nicholson, P.S., Embury, J.D. Fracture of a brittle particulate composite. I. Experimental aspects 9−66141
Green, D.J., Nicholson, P.S., Embury, J.D. Fracture of a brittle particulate composite. II. Theoretical aspects 9−70156
Green, D.J. *see* Sattelle, D.B. 9−66465
Green, D.M. *see* Weber, D.L. 9−74690
Green, D.P. *see* Faux, N.A. 9−69358
Green, D.P. *see* Gasser, R.P.H. 9−61906, 9−86987
Green, D.W., Reedy, G.T. Identification of matrix-isolated thorium nitride and the thorium-dinitrogen complex 9−59457
Green, D.W.E. *see* Russell, K.S. 9−84748
Green, E.A. A new statistical model for describing errors in isomorphous replacement data: The case of one derivative 9−50920
Green, F.H.W., Harding, R.J. The effects of altitude on soil temperature 9−100828
Green, J. *see* Nielsen, D. 9−60185
Green, J.A.S. *see* Sun, T.S. 9−86975
Green, J.C., Taylor, G.H. A review of the performance of the station computer since the commencement of power operation 9−89457
Green, J.L. *see* VanZandt, T.E. 9−84367
Green, J.Lauer *see* Lauer Green, J.
Green, J.M. Operation and performance of optically pumped rotovibrational molecular lasers at low temperatures 9−50315
Green, J.M. A new generation of ultraviolet/visible gas lasers 9−55123
Green, J.M. *see* Stamatakis, T. 9−98405
Green, J.S.A. Topics in dynamical meteorology. VIII. Trough-ridge systems as slantwise convection (1) 9−79993
Green, J.S.A. Topics in dynamical meteorology. VIII. Trough-ridge systems as slantwise convection. (2) 9−84456
Green, K.A., Luks, K.D., Kozak, J.J. Precise determination of the critical exponent γ for the Yvon-Born-Green square-well-potential fluid 9−65169
Green, L.L. *see* Behbehani, A.H. 9−67621, 9−80896
Green, L.L. *see* Rammo, N.R.F. 9−59318
Green, M. Comment on radiative corrections in the large-Higgs-mass limit 9−67557
Green, M. Heavy Higgs scalars and the renormalization of spontaneously broken gauge theories 9−71607
Green, M., Radjy, N.A. Electrical transport in chalcogenide (Se-Te-As-Ge) glasses 9−60833
Green, M.A. The short-wavelength response of MIS solar cells 9−57428
Green, M.A., Burns, W.A., Eberhard, P.H., Gibson, G.H., Miller, P.B., Ross, R.R., Smits, R.G., Taylor, J.D. A large high current density superconducting solenoid for the Time Projection Chamber experiment 9−54219
Green, M.A., Pines, H.S. Computer design and optimization of cryogenic refrigeration systems 9−58750
Green, M.A., Pines, H.S., Doyle, P.A. Computer design and optimization of cryogenic refrigeration systems 9−71457
Green, M.A. *see* Godfrey, R.B. 9−79391, 9−87988
Green, M.B., Parsons, N.H., Senjanovic, P. The quantum mechanics of the gauge-invariant O(2) Heisenberg model 9−58875
Green, M.B., Sneddon, L., Stinchcombe, R.B. Equivalence of (d+1)-dimensional Ising systems of arbitrary spin to a d-dimensional spin-$^1/_2$ quantum system 9−73657
Green, M.C. *see* Pile, P.H. 9−63667
Green, M.I., Dols, C.G., Henderson, T.F., Nelson, D.H. Precision magnetic measurements by the floating wire analog technique 9−67354
Green, M.L., Cohen, M. Pseudotwinning and pseudoelasticity in β Fe-Be alloys 9−96056
Green, M.S. *see* Grabert, H. 9−67229
Green, M.V. *see* Bacharach, S.L. 9−100715
Green, M.V. *see* Douglas, M.A. 9−70626
Green, P. *see* Brookes, C.A. 9−96130
Green, R. *see* Boggess, A. 9−71149
Green, R.B., Hanko, L., Davis, S.J. Laser induced fluorescence studies of the $A^2\Sigma$ state of PbF. [Chemical laser evaluation] 9−81222
Green, R.E., Jr., Duke, J.C., Jr. Ultrasonic and acoustic emission detection of fatigue damage 9−100326
Green, R.J. *see* Bailin, D. 9−59025
Green, R.W.E. *see* McGarr, A. 9−84125
Green, S. Vibrational dependence of pressure induced spectral linewidths and line shifts: application of the infinite order sudden scattering approximation 9−68267
Green, S. Surprisal analysis of rotational-translational energy transfer: non-linear versus linear rotors 9−76492
Green, S., Truhlar, D.G. Rotational excitation of hydrogen molecules by collisions with hydrogen atoms 9−89746
Green, S. *see* Zoloth, S.R. 9−79563
Green, T., Houk, D.F. The mixing of rain with near-surface water 9−53371
Green, W.L., Hunter, J.J. The design and evaluation of a pulsating flow facility together with some results obtained from tests on a drag plate flow-meter 9−68863
Green, W.R., Lukasik, J., Willison, J.R., Wright, M.D., Young, J.F., Harris, S.E. Measurement of large cross sections for laser-induced collisions 9−64075
Green, W.R., Wright, M.D., Lukasik, J., Young, J.F., Harris, S.E. Observation of a laser-induced dipole-quadrupole collision 9−98207
Green, W.R., Wright, M.D., Young, J.F., Harris, S.E. Laser-induced charge transfer to an excited ionic state 9−81274
Greenaway, A.H. The interferometric observing efficiency of arrays of large aperture telescopes 9−80238
Greenaway, A.H. *see* Dainty, J.C. 9−76608
Greenaway, A.H. *see* Fiddy, M.A. 9−76612
Greenberg, A.S. *see* Armstrong, G. 9−56034
Greenberg, J.B., Stavsky, Y. Flexural vibrations of certain full and annular composite orthotropic plates 9−94528
Greenberg, J.H., Reivich, M. A model of cerebral blood flow control in hypercapnia 9−100641
Greenberg, J.H. *see* Lazarev, V.B. 9−69258
Greenberg, J.M. Pre-stellar interstellar dust 9−84844
Greenberg, J.M. *see* Allamandola, L.J. 9−88716
Greenberg, J.M. *see* Minn, Y.K. 9−88715
Greenberg, O.W., Hietarinta, J. Permanent quark confinement without van der Waals forces 9−97582
Greenberg, R. Growth of large, late-stage planetesimals 9−96931
Greenberg, W., Voigt, J., Zweifel, P.F. Convergence of a lattice model of the Boltzmann equation 9−97314
Greenberg, W. *see* Arthur, M.D. 9−90398
Greenberg, W. *see* Bowden, R.L. 9−76051
Greenberg, W. *see* Burnap, C. 9−58530
Greenberg, W. *see* Cercignani, C. 9−80536
Greenberg, W. *see* Dietz, D. 9−80555
Greenberg, W.L. *see* Derenzo, S.E. 9−66533
Greenberger, A. *see* Hill, K.W. 9−68956
Greenberger, D.M. A critique of the major approaches to damping in quantum theory 9−63070
Greenberger, D.M. A new approach to the problem of dissipation in quantum mechanics 9−63071
Greenberger, D.M., Overhauser, A.W. Coherence effects in neutron diffraction and gravity experiments 9−58616
Greenblatt, M., Kuo, J.-M., Pifer, J.H. Electron spin resonance of CrO_4^{3-} in strontium chloroapatite, $Sr_5(PO_4)_3Cl$ 9−87309
Greenborg, J. *see* Burkholder, H.C. 9−49714
Greene, B.I., Hochstrasser, R.M., Weisman, R.B. Spectroscopy study of the picosecond photoisomerization of stilbene 9−57252
Greene, B.I., Hochstrasser, R.M., Weisman, R.B. Picosecond dynamics of the photoisomerization of trans-stilbene under collision-free conditions 9−91975
Greene, B.I., Hochstrasser, R.M., Weisman, R.B., Eaton, W.A. Spectroscopic studies of oxy- and carbonmonoxyhemoglobin afer pulsed optical excitation 9−92150
Greene, C., Fano, U., Strinati, G. General form of the quantum-defect theory 9−68177
Greene, C.H. *see* Burns, D.J. 9−94071
Greene, D. *see* Davis, J.G. 9−57730
Greene, D. *see* Walker, P.S. 9−92431
Greene, D.E., Ward, F.E. Human eye tracking as a sequential input adaptive process 9−88074
Greene, E.R., Histand, M.B. Ultrasonic assessment of simulated atherosclerosis: in-vitro and in-vivo comparisons 9−96639
Greene, G.A., Ginsberg, T., Jones, O.C., Jr. Design and operational evaluation of a differential pressure local void fraction probe 9−49778
Greene, G.A., Jones, O.C., Jr., Ginsberg, T., Barry, J.J., Kazimi, M.S. Analysis and measurement of solidification dynamics of flowing two-phase noncondensable mixtures 9−49757
Greene, G.A., Jones, O.C., Jr., Leonhardt, W.J., Kazimi, M.S. Transient fuel solidification and relocation from core during transition-phase conditions 9−85616
Greene, G.L. The magnetic moment of the neutron 9−58962
Greene, G.L. *see* Pendlebury, J.M. 9−67359
Greene, J.E., Klinger, R.E., Barr, T.L., Welsh, L.B. Auger and X-ray photoelectron spectroscopy studies of preferential sputtering in Y_2O_3-doped ZrO_2 films 9−52071
Greene, J.E. *see* Bajor, G. 9−91087
Greene, J.E. *see* Barr, T.L. 9−87561
Greene, J.E. *see* Clarke, J.R. 9−78233
Greene, J.E. *see* Eltoukhy, A.H. 9−56930, 9−83120
Greene, J.E. *see* Wu, L.C. 9−100051
Greene, J.M. A method for determining a stochastic transition 9−71366
Greene, J.M. Ideal MHD-equilibrium and spectrum 9−98883
Greene, J.M. *see* Johnson, J.L. 9−82091
Greene, J.M. *see* Todd, A.M.M. 9−64846
Greene, P.D., Wheeler, S.A., Adams, A.R., El-Sabbahy, A.N., Ahmad, C.N. Background carrier concentration and electron mobility in LPE $In_{1-x}Ga_xAs_yP_{1-y}$ layers 9−95523
Greene, R.L. Inclusion of ion dynamics in the unified classical path theory of Stark broadening 9−76382
Greene, R.L., Kwak, J.F., Fuller, W.W. Superconducting properties of brominated $(SN)_x$ 9−65581
Greene, R.L. *see* Aldrich, C. 9−77973
Greene, R.L. *see* Dee, R.H. 9−56375
Greene, R.L. *see* Kwak, J.F. 9−87121
Greene, R.L. *see* Yamaya, K. 9−91182
Greene, S. *see* Blanpied, G.S. 9−85518
Greene, S.J. *see* Boyer, K.G. 9−85539
Greene, S.J. *see* Cottingame, W.B. 9−85535
Greene, S.J. *see* Morris, C.L. 9−93505
Greenfield, A.J. *see* Levy, B. 9−67289
Greenfield, A.J. *see* Zair, E. 9−56362
Greenfield, M. *see* McAdams, R.E. 9−85498
Greenfield, M. *see* Otteson, O.H. 9−85519
Greenfield, M.B. *see* Goodman, C.D. 9−54738
Greenfield, R.J. Seismic radiation from a point source on the surface of a cylindrical cavity 9−53308
Greenhalgh, G. International concensus sought on plutonium storage 9−67848
Greenhalgh, S.A. *see* Merrick, N.P. 9−74839
Greenhaus, M.R., Cox, A. Paleomagnetism of the Morro Rock-Islay Hill complex as evidence for crustal block rotations in central coastal California 9−84106
Greenhill, J.G., Thomas, R.M., Duldig, M.L., Jernigan, J.G., Murdin, P.G., Haynes, R.F. X-ray, optical and radio observations of A1710−34 9−71158
Greenhill, J.G. *see* Duldig, M.L. 9−53939
Greenhill, J.G. *see* Haynes, R.F. 9−71143
Greenhut, G. *see* Riehl, H. 9−79989
Greenhut, G.K. Correlations between rainfall and sea surface temperature during GATE 9−79864
Greenhut, G.K., Intemann, G.W. δ(980) as a four-quark state and the radiative decays of vector and scalar mesons 9−93422
Greeniaus, L.G., Hutcheon, D.A., Miller, C.A., Moss, G.A., Roy, G., Dubois, R., Amsler, C., Koene, B.K.S., Murdoch, B.T. Measurements of p-p and p-^{4}He analyzing powers at medium energies 9−75961

Greeniaus, L.G. *see* Besset, D. 9—67593
Greenisen, M.C. *see* Broomen, L.J. 9—83761
Greenlaw, N.E. *see* Gatti, E. 9—63868
Greenleaf, J.F., Johnson, S.A., Bahn, R.C., Rajagopalan, B. Quantitative cross-sectional imaging of ultrasound parameters 9—53277
Greenleaf, J.F. *see* Johnson, S.A. 9—53202, 9—53282, 9—66496
Greenleaf, J.F. *see* Kenue, S.K. 9—66515
Greenlees, G.W. *see* Clark, D.L. 9—93943
Greenlees, G.W. *see* Lewis, D.A. 9—72446
Greenler, R.G. *see* Campuzano, J.C. 9—69355, 9—77903
Greenler, R.G. *see* Mallmann, A.J. 9—96821
Greenler, R.G. *see* Mueller, J.R. 9—96820
Greenman, P. *see* Collares-Pereira, M. 9—62105
Greenough, C. *see* Belmont, M.R. 9—95420
Greenough, R.D. The influence of hexagonal anisotropy on the thermal expansion of antiferromagnetic single-crystal Tb-50% Ho 9—51283
Greenslade, D.J. *see* Eaton, S.S. 9—95647
Greenslade, E. *see* Dennis, J.A. 9—59268
Greenspan, D. *see* Schultz, D. 9—81892
Greenspan, E., Schneider, A., Gilai, D., Misulovin, A. Constant-power hybrid reactor blankets and lithium control 9—85791
Greenspan, E. *see* Burn, K.W. 9—54608
Greenspan, E. *see* Goldstein, M. 9—85578
Greenspan, M. Piston radiator: some extensions of the theory 9—50478
Greenspan, M. *see* Robertson, S.H. 9—73037
Greenspan, M.A., Hammer, D.A., Sudan, R.N. Production of intense focused ion beams in a spherical magnetically insulated diode 9—85200
Greenspoon, S. Finite-size effects in one-dimensional percolation: a verification of scaling theory 9—54064
Greenstadt, E.W., Olson, J.V. Geomagnetic pulsation signals and hourly distributions of IMF orientation 9—75046
Greenstadt, E.W., Singer, H.J., Russell, C.T., Olson, J.V. IMF orientation, solar wind velocity, and Pc 3-4 signals: a joint distribution 9—53672
Greenstadt, E.W. *see* Paschmann, G. 9—58209
Greenstadt, E.W. *see* Russell, C.T. 9—58196
Greenstein, G. Pulsar timing observations, X-ray transients, and the thermal/timing instability in neutron stars 9—92795
Greenstein, J.L., Oke, J.B. Ultraviolet spectrophotometry of degenerate stars 9—53810
Greenstein, J.L., Vauclair, G. Hydrogen line strengths in degenerate stars. II 9—96998
Greenville Whittaker, A. Carbon: Occurrence of carbyne forms of carbon in natural graphite 9—77450
Greenwald, A.C., Kirkpatrick, A.R., Little, R.G., Minnucci, J.A. Pulsed-electron-beam annealing of ion-implantation damage 9—55768
Greenwald, A.C. *see* Kirkpatrick, A.R. 9—69159
Greenwald, A.C. *see* Little, R.G. 9—52254
Greenwald, A.C. *see* Wilson, S.R. 9—52256
Greenwald, L.E., Breinan, E.M., Kear, B.H. Heat transfer properties and microstructures of laser surface melted alloys 9—70085
Greenwald, R.A. An alternative explanation of the Doppler spectra of current-driven plasma instabilities 9—58163
Greenwald, R.A. *see* Walker, A.D.M. 9—96862
Greenwald, S.A. *see* Batuner, Yu.D. 9—49324
Greenwell, D.W. *see* Abernathey, J.R. 9—78859
Greenwell, E.N. *see* Miller, D.M. 9—98517
Greenwood, B., Davidson-Arnott, R.G.D. Sedimentation and equilibrium in wave-formed bars: a review and case study 9—92521
Greenwood, D. *see* Liska, D. 9—76160
Greenwood, D.J. *see* Verges, J. 9—59504
Greenwood, D.P. Power spectra of turbulence-induced wave-front errors 9—66800
Greenwood, D.P. Mutual coherence function of a wave front corrected by zonal adaptive optics 9—72490
Greenwood, L.R., Chellew, N.R. Improved ^{10}B-loaded liquid scintillator with pulse-shape discrimination 9—59309
Greenwood, L.R., Chellew, N.R. ^{6}Li-salicylate neutron detectors with pulse shape discrimination 9—97950
Greenwood, L.R., Chellew, N.R., Zarwell, G.A. ^{6}Li-loaded liquid scintillators with pulse-shape discrimination 9—59310
Greenwood, L.R. *see* Kirk, M.A. 9—61470
Greenwood, Z.D. *see* Avignone, F.T., III 9—49892
Greer, A.L., Leake, J.A. Structural relaxation and crossover effect in a metallic glass 9—86715
Greer, R.G.H. *see* Thomas, L. 9—75008
Greeuw, G. *see* Hillen, M.W. 9—95206
Greffe, J. An acupuncture diagnostic system 9—62397
Greffe, J.-L. *see* Goulon, J. 9—69762
Grefte, H.A.M.De *see* De Grefte, H.A.M.
Gregg, E.C. *see* Ort, M.G. 9—62349
Gregg, M., Meagher, T., Pederson, A., Aagaard, E. Low noise temperature microstructure measurements with thermistors 9—58104
Gregg, M.C. *see* Desaubies, Y.J.F. 9—57942
Gregg, M.C. *see* Pederson, A.M. 9—74970
Gregg, M.G., McKenzie, J.H. Thermohaline intrusions lie across isopycnals 9—84289
Gregg, W.J. The redistribution of pre-cleavate clastic dikes by folding a New Paltz, New York 9—100837
Gregoire, G. *see* Delbar, T. 9—76000
Gregoire, K.E., Atcheson, D.B. BEHAVE-SST interpretation of TREAT experiments HUT 5-5A and HUT 5-5B 9—85659
Gregoire, P. *see* Annenkoff, A. 9—99102
Gregor, I.K. *see* Bell, J. 9—67422
Gregor, J. *see* Broj, K. 9—66558
Gregor, J. *see* Senk, J. 9—68958
Gregora, I., Vorlicek, V., Zavetova, M. Investigation of phase transition in Hg_2Cl_2 crystals. I. Temperature dependence of refractive index 9—82941
Gregori, M. *see* Ludena, E.V. 9—97984
Gregorini, L. *see* Gioia, I.M. 9—71141
Gregory, A.R. *see* Fuess, H. 9—78326
Gregory, C. Extra dimensionality in cosmology and the generation of matter 9—101231
Gregory, C.V. *see* Smith, D.C.G. 9—97779
Gregory, D., Dunn, G.H., Phaneuf, R.A., Crandall, D.H. Absolute cross sections for 2s-2p excitation of N^{4+} by electron impact 9—94087
Gregory, E. *see* Sanger, P.A. 9—54144
Gregory, G.A. *see* Nicholson, M.K. 9—64740
Gregory, J.B. *see* Meek, C.E. 9—53539
Gregory, M.L. *see* Kemp, A.L.W. 9—79419
Gregory, M.V. A correlation technique for resonance calculations 9—59129
Gregory, M.V. A correlation technique for resonance calculations 9—71875
Gregory, N.L. *see* Cunningham, A.D. 9—57797
Gregory, P. *see* Stenbacka, R. 9—63507
Gregory, P.C., Taylor, A.R., Crampton, D., Hutchings, J.B., Hjellming, R.M., Hogg, D., Hvatum, H., Gottlieb, E.W., Feldman, P.A., Kowk, S. The radio, optical, X-ray(?), γ-ray(?) star LS I+61°303 9—88755
Gregory, P.C. *see* Seaquist, E.R. 9—88661
Gregory, R.D. The edge-cracked circular disc under symmetric pin-loading 9—50595
Gregory, R.D. Green's functions, bi-linear forms, and completeness of the eigenfunctions for the elastostatic strip and wedge 9—97205
Gregory, S. Magnetic susceptibility as a probe of oxygen systems of restricted geometry 9—51436
Gregory, S.A. *see* Thompson, L.A. 9—58434
Gregory, S.A. *see* Tifft, W.G. 9—92871
Gregory, W.S., Horak, H.L., Smith, P.R., Ricketts, C.I. HEPA filter efficiency during large pressure transients 9—81020
Greguss, P. Phosphenes in the light of bioholographic models 9—74632
Greguss, P., Waidelich, W. Possibility of coherent ultrasonic data processing in health care systems 9—66499
Greidanus, F.J.A.M. *see* Gonzalez, D. 9—61152
Greidanus, J.H. A fundamental theory of the relation between mind and brain 9—100592
Greig, D. Thermoelectricity in transition metals 9—65443
Greig, D. *see* Calwell, W. 9—60802
Greig, W.R. *see* Fogelman, I. 9—83904
Greigarn, K., Fannin, D.R., White, D.R. Adaptive control of a cloud chamber expansion system 9—93889
Grein, F. *see* Lawlor, L.J. 9—76342
Grein, F. *see* Vasudevan, K. 9—49942
Greiner, D.E. *see* Westfall, G.D. 9—54453
Greiner, G., Menzel, D., Klein, R. Field-induced redistribution processes in adsorption layers of hydrogen on ruthenium 9—78854
Greiner, G. *see* Illies, J.H. 9—79801
Greiner, J.D., Carlson, O.N., Smith, J.F. Single-crystal elastic constants of vanadium and vanadium with oxygen additions 9—90712
Greiner, W. *see* Heinz, U. 9—93538
Greiner, W. *see* Hofmann, J. 9—49594
Greiner, W. *see* Kruse, H. 9—67783
Greiner, W. *see* Park, J.Y. 9—89325
Greiner, W. *see* Soff, G. 9—89817
Greiner, W. *see* Stocker, H. 9—49578
Greiner, W. *see* Terlecki, G. 9—97730
Greis, O. Powder photography and single crystal electron diffraction examination of tveitite $Ca_{13+\delta}(Y,SE)_{6-\delta}F_{44-\delta}$ 9—99160
Greisen, E.W. *see* Dickel, J.R. 9—67074
Greisukh, G.I. *see* Bobrov, S.T. 9—98321
Greita, S. *see* McEachran, R.P. 9—98008
Grek, B. *see* Mitchel, G.R. 9—89016
Grekhov, A.M. On the theory of low symmetry effects in paramagnetic resonance 9—61202
Grekhov, I.V., Kireev, O.A., Shorokhova, V.S. Field profile in a reverse-bias silicon p^+nn^+ structure with a confined space-charge region 9—73581
Grekhov, I.V., Liniychuk, I.A., Palko, E.V., Uvarov, A.I., Shulekin, A.F. Forced current pinching in a p-n-p-n structure due to the action of base current turning off the structure 9—95487
Grekhov, V.M., Suleimanov, Yu.M., Vronskaya, E.V., Luchinin, V.V., Peev, N.S., Tairov, Yu.M. Influence of synthesis conditions on the energy distribution in photoluminescence spectra of SiC epitaxial layers 9—52009
Grekin, R.J. *see* Freitas, J.E. 9—79634
Grekov, A.A. *see* Tatarenko, L.N. 9—78632
Grekov, F.F. *see* Guyader, J. 9—69093
Grekov, M.A. On the plastic zones at the tip of a crack during uniaxial deformation 9—50655
Grekova, G.V., Lapshin, E.I., Okhmatovskii, G.V. Mass composition of the ions in a hallow-cathode discharge 9—68969
Grekova, I.I. *see* Bakhtiyarov, A.Sh. 9—87636
Grelaud, B. *see* Cosme, G. 9—58968
Grella, G., Parmentier, R.D. Solutions of the sine-Gordon equation in 2+0 dimensions 9—71258
Grellmann, K.H., Scholz, H.-G. Determination of decay constants with a sampling flash apparatus. The triplet state lifetimes of anthracene and pyrene in fluid solutions 9—51998
Grellner, W. *see* Puppel, D. 9—74331
Grelot, D. *see* Casanovas, J. 9—91112
Gremillet, N. *see* Thomin, G. 9—50441
Gremlich, H.-U. *see* Ha, T.-K. 9—85948
Grenacs, L. *see* Truttmann, P. 9—54429
Grenet, G., Kibler, M. On the off-diagonal operator equivalents 9—67186
Grenet, G. *see* Churassy, S. 9—81234
Grenier, C.G. *see* Tsai, C.L. 9—73507
Grenier, J.-C., Ghodbane, S., Demazeau, G., Pouchard, M., Hagenmuller, P. The strontium cobaltite $Sr_2Co_2O_5$: characterisation and magnetic properties 9—90619
Grenier, J.-C., Pouchard, M. The various phases formed by a calcium and lanthanum ferrite $Ca_2LaFe_3O_8$ 9—73712
Grenishin, S.G. *see* Anokhin, Yu.A. 9—58821
Grenness, M. *see* Goto, M. 9—70339
Grenon, M. Concerning future fuels. II 9—92055
Grenon, M., Katsonis, F. An all-solar power supply for France 9—100497
Greschner, J. *see* Brandeis, C. 9—77618
Gresham, M.S. *see* Hubbard, E.N. 9—53721
Gres'kov, I.M., Smirnov, B.V., Solov'ev, S.P., Stuk, A.A., Kharchenko, V.A. Influence of growth defects on the electrical properties of radiation-doped silicon 9—69144
Greskovich, C., O'Clair, C. Effect of impurities on sintering Si_3N_4 containing MgO or Y_2O_3 additives 9—61543
Gresnigt, A.M. *see* Zuidema, P. 9—53118
Gresset, C., Daveloose, D., Leterrier, F., Bazin, M., Santus, R. 265 nm laser flash spectroscopy of indoles in the presence of nitroxide radicals. A model for probing protein-membrane interactions 9—87855
Gressett, J.D. *see* Button, T.M. 9—49975
Gressett, J.D. *see* McDaniel, F.D. 9—69907
Gressmann, K.H. *see* Benndorf, C. 9—90879
Gressus, C.le *see* le Gressus, C.
Gressus, C.Le *see* Le Gressus, C.
Grest, G.S., Nagel, S.R. Effective-field distributions and resistivity minima in amorphous ferromagnets 9—73501
Grest, G.S. *see* Levin, K. 9—78382
Gresteau, F., Hall, R.I., Hetz, A., Vichon, D., Mazeau, J. Decay of Feshbach resonances in NO. I. Energy dependence of the electronic coupling to the ground state 9—89616
Gresteau, F., Hall, R.I., Huetz, A., Vichon, D., Mazeau, J. Decay of Feshbach resonances in NO. II. Dynamic coupling to Rydberg states 9—89617
Gretillat, P. *see* Corfu, R. 9—85538
Gretillat, P. *see* Lunke, C. 9—85537
Gretillat, P. *see* Piffaretti, J. 9—85511
Gretillat, P. *see* Preedom, B.M. 9—97677
Gretler, W. A generalised indirect method for the calculation of plane subsonic flow with circulation around closed profiles 9—86452
Greulich, F., Murr, L.E. Effect of grain size, dislocation cell size and deformation twin spacing on the residual strengthening of shock-loaded nickel 9—91744
Greunke, R.G. *see* Earnshaw, K.B. 9—70893
Greuter, F., Oelhafen, P. Conduction electrons in solid and liquid gallium 9—87566
Greuter, F. *see* Eib, W. 9—52074
Greuter, F. *see* Erbudak, M. 9—65978, 9—78831
Greve, J.P.De *see* De Greve, J.P.
Greve, P.F. *see* Braat, J.J.M. 9—81500
Grevisse, Ph. *see* Demeester, M. 9—62404
Grevtsev, S.N. *see* Barinov, S.M. 9—57170, 9—87712
Grewe, H.G. *see* Schnell, C. 9—90678
Grewe, N., Entel, P. Lattice dynamics in mixed valent rare earth compounds 9—73268
Grewe, N., Entel, P. Renormalization of transversal phonons in mixed valent rare earth compounds 9—90749
Grewe, N. *see* Entel, P. 9—91002
Grewen, J. *see* Noda, T. 9—91680
Grey, D.S. The inclusion of tolerance sensitivities in the merit function for lens optimization 9—86236
Grey, I.E. *see* Bursill, L.A. 9—99220
Grey, L.D. *see* Arguello, R.J. 9—94378
Greytak, T.J. *see* Crampton, S.B. 9—50155
Greytak, T.J. *see* Vidal, F. 9—55960
Greywall, D.S. Measurements of the second-sound damping in dilute ^{3}He-^{4}He solutions 9—73370
Greywall, M.S., Pian, C.C.P. Velocity, temperature, and electrical conductivity profiles in hydrogen-oxygen MHD duct flows 9—83605

Grib, A.A., Mostepanenko, V.M., Frolov, V.M. Spontaneous breaking of CP symmetry in a nonstationary isotropic metric 9—89079

Grib, A.A., Mostepanenko, V.M., Frolov, V.M. Breaking of conformal symmetry and quantization in curved spacetime 9—97523

Grib, A.A. *see* Bogatko, V.I. 9—86457

Grib, B.N. *see* Kondilenko, I.I. 9—94342

Gribanova, E.V., Molchanova, L.I. Dependence of wetting angle on rate of meniscus movement capillary rise of aqueous electrolyte solutions in cylindrical glass capillaries 9—65292

Gribauskas, P.S., Pukas, E.Yu. Electronic device for precision temperature regulation in laboratory thermostats 9—88931

Gribbin, J. Monitoring halocarbons in the atmosphere 9—57555

Gribbin, J. Woodman, spare that tree [implications for atmospheric CO_2] 9—74572

Gribbin, J. Disappearing threat to ozone 9—79963

Gribkova, N.Ya. *see* Vesnaya, T.M. 9—52150

Gribkova, P.N. *see* Korshak, V.V. 9—57123

Gribkovskii, V.P., Ivanov, V.A., Parashchuk, V.V., Ryabtsev, G.I., Yablonskii, G.P. Stimulated emission from gallium arsenide excited by high-voltage pulses 9—59704

Gribnikov, Z.S., Kozlovskii, S.I., Romanov, V.A. Drift of intrinsic and injected carriers in a semiconductor with a layer inhomogeneity 9—51140

Gribnyak, L.G., Sadlii, A.V. Influence of deviations from stoichiometry on the properties of single crystals of $(Sb_2Se_3)_x$-$(Bi_2S_3)_{1-x}$ 9—60870

Griboedov, Yu.N. Kinetics and mechanism of diffusion saturation of steel with chromium in a closed reaction space 9—52458

Gribov, I.V., Minin, V.I., Finkel'shtein, L.D. Atomic interaction effects in X-ray emission spectra of rare-earth and alkali-earth elements 9—69905

Gribov, L.A., Dement'ev, V.A., Todorovskii, A.T. Determination of the electrooptical parameters of paraffins, benzene, and alkylbenzenes on the basis of the intensities in their infrared spectra 9—54835

Gribov, L.A., Elyashberg, M.E., Raikhshtat, M.M. A new approach to the determination of molecular spatial structure based on the use of spectra and computers 9—49962

Gribov, L.A., Gornostaev, A.N. A simple demonstration of Newton's laws 9—67129

Gribov, L.A., Prokofeva, N.I. Algorithm for calculating the corrections to the kinematic anharmonicity in the theory of the vibrations of polyatomic molecules 9—76415

Gribov, L.A. *see* Baranov, V.I. 9—63981

Gribov, L.A. *see* Perevozchikov, V.I. 9—49968, 9—63979

Gribov, L.A. *see* Todorovskii, A.T. 9—54921

Gribova, I.A. *see* Korshak, V.V. 9—57123

Grice, K.E. *see* Holcombe, J.A. 9—74445

Grice, R. *see* Gorry, P.A. 9—80720

Grice, R. *see* Nowikow, C.V. 9—55000

Grichuk, V.V. *see* Polesskaya, L.M. 9—66239

Gridin, V.A., Maimistov, A.I., Manykin, E.A., Minasyan, V.V., Petrovskii, A.N. Self-induced transparency on two-photon resonance for a inhomogeneous broadened line 9—86221

Gridin, V.A. *see* Ashmarin, I.I. 9—91541

Gridnev, G.F. *see* Artukh, A.G. 9—67766

Gridnev, K.A., Semenov, V.M., Hefter, E.F. Analysis of $^{14}N(d, p)^{15}N$ stripping 9—80948

Gridnev, K.A., Semjonov, V.M., Subbotin, V.B., Hefter, E.F. The effective surface potential for α particles and its OCM justifications 9—97715

Gridnev, S.A., Darinskii, B.M., Fedosov, V.N. Contribution made by dynamics of domain boundaries to dielectric permittivity of ferroelectrics in vicinity of Curie point 9—73875

Gridnev, S.A. *see* Andreev, G.Ya. 9—64513

Gridnev, V.N. *see* Baklanova, L.M. 9—55907

Gridneva, I.V., Milman, Yu.V., Trefilov, V.I., Chugunova, S.I. Analysis of dislocation mobility under concentrated loads at indentations of single crystals 9—95015

Gridneva, I.V. *see* Gnesin, G.G. 9—96136

Griebel, R. *see* Weinzierl, G. 9—59372

Grieco, P.A. *see* Fortier, S. 9—77589

Grieger, G.R. *see* Blaisdell, J.M. 9—96383

Griem, H.R. Broadening of the Lyman-α line of hydrogen by low-frequency electric fields in dense plasmas 9—98026

Griem, H.R., Blaha, M., Kepple, P.C. Stark-profile calculations for Lyman-series lines of one-electron ions in dense plasmas 9—82048

Griem, H.R. *see* Chiang, W.T. 9—86615

Griem, H.R. *see* Datla, R.U. 9—81181

Grieneisen, H.P. *see* Chakraborty, B.P. 9—68289

Grieneisen, H.P. *see* Gallas, J.A.C. 9—49999

Griersmith, D. *see* Visvanathan, N. 9—62917

Gries, W.H. Quantitative ion implantation: theoretical aspects 9—69140

Gries, W.H. Quantitative ion implantation: the practice 9—69141

Griesacker, C.H., Eichenlaub, D.P. Signal processing by distributed microcomputer data modules 9—59279

Griesacker, C.H. *see* Einolf, C.W., Jr. 9—49866

Griesemann, J.C., Decroisette, M. Thermal wave propagation and shock formation in ultrashort optical breakdown 9—90455

Griesmeyer, J.M., Ghoniem, N.M. The effect of point defects on nonequilibrium bubble behavior in UO_2 9—93722

Griessen, R. *see* Ruesink, W. 9—65364

Griessen, R. *see* Venema, W.J. 9—65365

Grieve, R.A.F., Dence, M.R. The terrestrial cratering record. II. The crater production rate 9—66699

Grieve, R.A.F., Robertson, P.B. The terrestrial cratering record. I. Current status of observations 9—66698

Griewank, A.O. *see* Craig, D.P. 9—51099

Griffen, N.C. *see* Heer, C.V. 9—89957

Griffin, A. Sum rules for superfluid ^{4}He at finite temperatures 9—65270

Griffin, A. Density fluctuation spectrum of superfluid ^{4}He at finite temperatures 9—82403

Griffin, A.C., Havens, S.J. Polymeric liquid crystals structurally related to 4-alkoxyphenyl 4′-alkoxybenzoates 9—60267

Griffin, J. *see* Cline, D.B. 9—68004

Griffin, J.A., Folkins, J., Ferre, J., Regis, M., Royce, B.S.H. Field dependent magnetic behavior in $CsNiF_3$ 9—73903

Griffin, J.A., Litster, J.D. Optical study of the spontaneous magnetization at marginal dimensionality 9—73699

Griffin, J.E. The effect of large delays on beam RF phase lock loops 9—68046

Griffin, J.E., Mills, F.E. Azimuthal redistribution of beam in the Fermilab main ring 9—72103

Griffin, J.E., Nicholls, G. A review of some dynamic loss properties of Ni-Zn accelerator RF system ferrite 9—68053

Griffin, J.E. *see* Meisner, K.G. 9—76205

Griffin, J.J., Kit-Keung Kan The single-particle Schrodinger fluid: the shell model basis for nuclear fluid dynamics 9—93484

Griffin, J.J., Lichtner, P.C., Dworzecka, M. Fermidynamics and commensurability; TDHF restructured into TD-S-HF 9—93539

Griffin, J.J. *see* Lichtner, P.C. 9—93535, 9—93536

Griffin, M.D., Jones, E., Anderson, J.D., Jr. A computational fluid dynamic technique valid at the centerline for non-axisymmetric problems in cylindrical coordinates 9—55419

Griffin, O.M. Some early and recent novel OTEC systems 9—83612

Griffin, O.M. *(editor)* Ocean Thermal Energy Conversion 9—83611

Griffin, P. *see* Johns, O.T. 9—57799

Griffin, R.F. Spectroscopic binary orbits from photoelectric radial velocities. XXIII. HD 143313 9—62873

Griffin, R.F. Spectroscopic binary orbits from photoelectric radial velocities. XXIV. HD 137126 9—84824

Griffin, R.F. Spectroscopic binary orbits from photoelectric radial velocities. XXV. HD 179558 9—101177

Griffin, R.F. *see* Gunn, J.E. 9—75251

Griffin, R.F. *see* Heard, J.F. 9—101141

Griffin, W.G. Renormalization theory of Brownian motion 9—54060

Griffin, W.G. *see* Edwards, S.F. 9—75437

Griffith, J.M., Peterson, J.N. Filter design for estimating human blood-flow velocity 9—62325

Griffith, J.M. *see* Peterson, J.N. 9—100686

Griffith, J.S. An addendum to note on central dynamical configurations 9—66911

Griffith, R.F. *see* Cladis, P.E. 9—77730

Griffith, R.V., Hankins, D.E., Gammage, R.B., Tommasino, L., Wheeler, R.V. Recent developments in personnel neutron dosimeters—a review 9—63818

Griffith, R.W. Amorphous semiconductors in photovoltaic and solar thermal conversion 9—61981

Griffith, T.C., Heyland, G.R., Lines, K.S., Twomey, T.R. Total cross-sections for the scattering of positrons by helium, neon, and argon at intermediate energies 9—86065

Griffith, W.T. On the transition from faceted to non-faceted growth in melt-grown crystals 9—95922

Griffiths, B.W. *see* Head, P.V. 9—63245

Griffiths, D. *see* Cundall, R.B. 9—71538

Griffiths, D.J., Chen, W.-H. Kapitza limited spin-bath relaxation in CaF_2:Ce^{3+} 9—95642

Griffiths, D.J., Rollema, H.J. Urine flow curves of healthy males: a mathematical model of bladder and urethral function during micturition 9—88110

Griffiths, D.J., van Mastrigt, R., van Duyl, W.A., Coolsaet, B.L.R.A. Active mechanical properties of the smooth muscle of the urinary bladder 9—92252

Griffiths, J.E. *see* Schwartz, G.P. 9—77928

Griffiths, J.R. *see* Owen, M.J. 9—91776

Griffiths, J.W., Bashford, C.C. Time correction and two channel recording in 24 hour electrocardiographic analysis 9—70658

Griffiths, L.J. *see* Dirwish, M. 9—79189

Griffiths, R.B., Pearce, P.A. Mathematical properties of position-space renormalization-group transformations 9—75466

Griffiths, R.B. *see* Butler, D.M. 9—60621

Griffiths, R.B. *see* Das, B.K. 9—86868

Griffiths, R.E., Briel, U., Schwartz, D.A., Schwarz, J., Doxsey, R.E., Johnston, M.D. Observations of Type I Seyfert galaxies with the HEAO-1 scanning modulation collimator 9—92864

Griffiths, R.E., Schwartz, D.A., Schwarz, J., Doxsey, R.E., Johnston, M.D., Blades, J.C. X-ray observations of high-excitation emission-line galaxies with the HEAO 1 scanning modulation collimator 9—62907

Griffiths, R.E., Ward, M.J., Blades, J.C., Wilson, A.S., Chaisson, L., Johnston, M.D. The optical identification of 2A 0311—227 with a new AM Herculis-type object 9—101211

Griffiths, R.E. *see* Johnston, M.D. 9—62933

Griffiths, R.E. *see* Schwarz, J. 9—97090

Griffiths, R.J. *see* Clarke, N.M. 9—85442

Griffiths, R.T., Woollard, M.G. Performance of the optimal wind turbine 9—87957

Griffiths, R.W. The influence of a third diffusing component upon the onset of convection 9—72889

Grifols, J.A. *see* Fernandez-Pacheco, A. 9—54340

Grigalashvili, N. *see* Abdivaliev, L. 9—93568

Grigalashvili, T.S. *see* Birulev, V.K. 9—67547

Grigale, D.A. *see* Bochkans, P.Ya. 9—70192, 9—87009

Grigas, I., Belyatskas, R. Microwave resonant dielectric dispersion in the paraelectric phase of SbSI crystals 9—99839

Grigas, I., Davidovich, R.L., Urbonavichus, V. Dielectric properties and phase transitions of $M_6Sb_4(SO_4)_3F_{12}$ crystals 9—69765

Grigas, I. *see* Brilingas, A. 9—65518

Grigas, J. *see* Brilingas, A. 9—69511

Grigg, P., Fogarty, K.E., Hoffman, A.H. Relationship between stress and neuronal response of receptors in posterior knee joint capsule 9—92212

Grigoleit, H.-G., Leonhardt, H., Schroer, R., Lehrach, F. The erythrocyte ageing as a model for the pharmacological influence of erythrocyte flexibility 9—79583

Grigolini, P. Emission spectrum in the presence of strong driving fields as a new tool for the study both of 'intramolecular' and 'external' relaxation processes 9—59503

Grigolini, P. *see* Ferrario, M. 9—49156

Grigonis, A. *see* Bruzas, S. 9—70197

Grigoras, M. *see* Dumitrescu, S. 9—98256

Grigorenko, Ya.M. On the temperature field effect on the long flexible cylindrical panel deformation 9—90128

Grigorenko, Ya.M., Kryukov, M.M., Akhalaya, T.G. On nonlinear deformation of round plates of variable thickness 9—98618

Grigor'ev, A.P. *see* Shamaev, P.P. 9—67333

Grigor'ev, E.I., Nozdrachev, S.Yu., Yaryna, V.P. Estimate of the ^{235}U fission neutron spectrum from the results of integral experiments 9—97736

Grigor'ev, E.P., Zolotavin, A.V., Kamynov, Sh.V., Sergeev, V.O. Gamma-ray spectra meausred at a small distance between the source and the detector. ^{147}Gd decay 9—93520

Grigor'ev, G.I., Dokuchaev, V.P. Mechanisms of generation of acoustogravity waves in the Earth's atmosphere 9—66776

Grigor'ev, N.A., Doronin, G.S., Odinokii, V.L. Action of a pressure pulse on a cavity in a viscous liquid 9—68769

Grigor'ev, N.I. *see* Chernyi, Yu.F. 9—96053

Grigor'ev, N.N. *see* Almazov, L.A. 9—69551

Grigor'ev, N.N. *see* Arkhangel'skii, G.E. 9—60389

Grigor'ev, P.A. *see* Tyazhelov, V.V. 9—79483

Grigor'ev, S.B., Mikhailov, I.G., Safina, E.B. Investigation of acoustic relaxation in the solvents and solution of cellulose 9—90733

Grigor'ev, V.A. *see* Belyakov, V.V. 9—71922

Grigor'ev, V.A. *see* Bondarenko, V.G. 9—84676

Grigor'ev, V.A. *see* Donin, V.I. 9—89937

Grigor'ev, V.G., Samsonov, I.S., Samsonova, Z.N. Degree of inhomogeneity of interplanetary magnetic field in the period of the Forbush effect from measurements of galactic cosmic-ray currents 9—80124

Grigor'ev, V.M., Efimov, N.N., Kalmykov, N.N., Nechin, Yu.A., Prosin, V.V., Khristiansen, G.B. Further researches on the Cherenkov pulse shapes produced by extensive air showers in the Yakutsk system 9—80169

Grigor'ev, V.M., Glushkov, A.V., Diminshtein, O.S., Efimov, N.N., Kaganov, L.I., Makarov, I.T., Maksimov, S.V., Pravdin, M.I., Sokurov, V.F. Sea-level characteristics of very large extensive air showers 9—80168

Grigor'ev, V.M. *see* Berezhko, I.A. 9—96870

Grigor'ev, V.P., Didenko, A.N., Isaev, G.P. Synchrotron radiation from a charge in a circular orbit in a magnetized plasma 9—55474

Grigor'ev, V.P., Didenko, A.N., Shulaev, N.S. Stationary states of an electron beam with return current in a plasma channel 9—55046

Grigor'ev, V.P., Potashev, A.G., Shulaev, N.S. Numerical modelling of a plasma channel formed by the injection of a powerful electron beam into a neutral gas 9—55540

Grigor'ev, V.S. High-speed cinephotography aids investigation of the chip-formation process 9—63319

Grigor'ev, Yu.M., Sarkusyan, A.A. Kinetics and mechanism of high-temperature interaction of niobium with oxygen 9—100432

Grigor'ev, Yu.M. *see* Vadchenko, S.G. 9—74300

Grigor'ev, Yu.S. *see* Perminov, A.N. 9—86327

Grigor'eva, E.E., Semenov, A.T. Waveguide image transmission in coherent light 9—59831

Grigor'eva, G.M. *see* Bordina, N.M. 9—96441

Grigor'eva, L.B. *see* Somogy, A. 9—80173

Grigor'eva, O.A. *see* Parfenov, A.I. 9—66187

Grigor'eva, V.P., Kaplan, S.A. Observations of type III bursts in interplanetary space on the Prognoz and Prognoz 2 stations 9—62805

Grigorevskii, V.M., Kolesnik, S.Ya. The reflection of light by space objects with a regular specular surface 9—68363

Grigoriev, E. *see* Jonker, M. 9—93399

Grigoriev, E.P. *see* Adam, J. 9—93556

Grigoriev, V.A., Pavlov, Yu.M., Klimenko, A.V., Antipov, V.I. Certain peculiarities of heat transfer in nucleate boiling in capillary tubes 9—59915

Grigoriev, V.N. *see* Eselson, B.N. 9—56029

Grigoriu, C. *see* Badescu, St. 9—86199

Grigorov, A.I. *see* Voronin, N.A. 9—52522

Grigorov, L. *see* Nikolov, I. 9—52925

Grigorov, N.L. *see* Somogy, A. 9—80173

Grigorovich, V.K., Sheftel', E.N., Usmanova, G.Sh. Phase composition of niobium alloys with zirconium, hafnium, carbon, and nitrogen 9—56983

Grigorvan, A.M. *see* Egiazaryan, A.M. 9—93266

Grigoryan, E.A. *see* Korshak, V.V. 9—55017

Grigoryan, G.V., Chirkov, G.G., Shutov, V.A. Effectiveness of ultrasonic inspection by the differential method using binary-comparative probes 9—70285

Grigoryan, G.V., Mul'ko, G.N., Chirkov, G.G., Shutov, V.A. Automatic ultrasonic macrostructure monitoring of steel-strip components 9—79203

Grigoryan, L.Sh., Saakyan, G.S. Pionization effect and its astrophysical aspects 9—96907

Grigoryan, P.A., Karakhanyan, R.K. Lines of deficiency with black-white contrast on Kikuchi electron diffraction patterns of silicon 9—55614

Grigoryan, P.A. *see* Karakhanyan, R.K. 9—94850

Grigoryan, S.S., Evterev, L.S., Zamyshlyaev, B.V., Krivosheev, S.G. Shock-wave processes in silicate rocks taking phase transitions into account 9—88347

Grigoryan, S.S., Kameneva, M.V., Meshcheryakova, O.D., Rodionov, I.M., Shakhnazarov, A.A. Lowering of the hydrodynamic friction in the perfusion of the posterior rat extremity with a polymer solution 9—79586

Grigor'yants, V.V., Kuzyakov, B.A., Sinitsyn, A.M. Saturation in waveguide CO_2 lasers 9—94209

Grigor'yants, V.V., Zhabotinskii, M.E., Ivanov, G.A., Chamorovskii, Yu.K. Influence of the length of a fiber waveguide on the determination of its losses 9—59836

Grigoryants, V.V., Zhahotinski, M.E., Maltsev, V.P., Chamorovski, Y.K., Shatrov, A.D. The influence of the cladding on light attenuation of multimode fibres 9—76855

Grigor'yants, V.V. *see* Andrushko, L.M. 9—59833

Grigor'yants, V.V. *see* Galduk, M.I. 9—98377

Grigor'yev, V.A., Klimenko, A.V., Pavlov, Y.M. Determination of the boundary of the region of self-similarity of nucleate boiling in terms of the thickness of the heating wall 9—90245

Grigo'yan, G.M., Dymshits, B.M., Ivanov, G.V., Koretskii, Ya.P., Kochetov, I.V., Lamonov, V.M., Pevgov, V.G., Sharkov, V.F. Some results of optimization of the compositions of active media and working parameters of a gas-discharge CO laser 9—64216

Grilhe, J. *see* Cartraud, M. 9—66035

Grilhe, J. *see* Rabier, J. 9—90658

Grilikhes, V.A., Gishutin, M.M., Evseev, V.S. Vapor-turbine units with organic working fluids and prospects for their use in solar power generation (survey) 9—83618

Grilitskii, D.V., Dragan, M.S., Opanasovich, V.K. Bending of a plate with a rectilinear thin-walled inclusion 9—81736

Grill, C., Bastide, G., Sagnes, G., Rouzeyre, M. A study of the deep electron traps in semiconducting CdS 9—78036

Grillet, Y., Rouquerol, F., Rouquerol, J. Two-dimensional freezing of nitrogen or argon on differently graphitized carbons 9—77896

Grilli, A. *see* Balestrino, G. 9—58790

Grilli, E. *see* Anedda, A. 9—56757

Grilli, M. *see* Celio, R.B. 9—93425

Grillo, A. *see* del Papa, C. 9—49528

Grillo, A.F., Srivastava, Y. Intrinsic temperature of confined systems 9—85271

Grillo, L. *see* Acerbi, E. 9—54669

Grimaldi, M.G., Baeri, P., Campisano, S.U., Foti, G., Rimini, E. Laser induced As profile broadening in amorphous silicon layers 9—95045

Grimeland, B., Veseth, L. Ab initio calculation of a new spin-spin coupling constant for $^4\Pi$ states in diatomic molecules: the $a^4\Pi_u$ state in O_2^+ and $B^4\Pi$ state in VO 9—97981

Grimes, C.C. Cyclotron resonance in a two-dimensional electron gas on helium surfaces 9—60566

Grimes, C.C. Structure of the electron gas at the surface of liquid helium 9—65400

Grimes, C.C. *see* Fleming, R.M. 9—60808

Grimes, N.W. *see* Cheary, R.W. 9—73178

Grimes, S.M., Bloom, S.D., Hausman, R.F., Jr., Dalton, B.J. Method for calculating operator traces 9—71791

Grimes, S.M., Haight, R.C., Alvar, K.R., Barschall, H.H., Borchers, R.R. Charged-particle emission in reactions of 15-MeV neutrons with isotopes of chromium, iron, nickel, and copper 9—67750

Grimes, S.M. *see* Haight, R.C. 9—93831

Grimes, S.M. *see* Wong, C. 9—89277

Grimley, A.J., Houston, P.L. Electronic to vibrational energy transfer from $I(5^2P_{1/2})$. III H_2, HD, and D_2 9—68259

Grimley, A.J., Houston, P.L. Electronic to vibrational energy transfer from $Br(4^2P_{1/2})$ to H_2, HD, and D_2 9—72347

Grimley, R.T., Forsman, J.A. Mass spectrometric determination of the heats of slow transitions: the orthorhombic-monoclinic sulfur system 9—73302

Grimm, E., Otto, A. The influence of a turbulent atmosphere on an optical information carrier 9—89861

Grimm, F., Torri, A. Natural-convection effects in a blocked GCFR fuel assembly 9—49755

Grimm, F.A. *see* Allen, J.D., Jr. 9—97472

Grimm, K.N. Radial-reactivity-coefficient weighting schemes for a fast reactor 9—80998

Grimm, K.N., Kerr, W. Properties of local and general coincidence schemes assuming two failure modes 9—49787

Grimm, R., Wess, J., Zumino, B. A complete solution of the Bianchi identities in superspace with supergravity constraints 9—58610

Grimm, R.C. *see* Johnson, J.L. 9—82091

Grimm, R.C. *see* Todd, A.M.M. 9—64846

Grimmeiss, H.G. *see* Kosai, K. 9—99572

Grimmer, D.P. A comparison of compound parabolic and simple parabolic concentrating solar collectors 9—64304

Grimmer, D.P., Zinn, K.G., Herr, K.C., Wood, B.E. Augmented solar energy collection using different types of planar reflective surfaces; theoretical calculations and experimental results 9—83574

Grimmer, H. The distribution of disorientation angles if all relative orientations of neighbouring grains are equally probable 9—61560

Grimsditch, M. *see* Canal, F. 9—51929

Grimsditch, M.H., Anastassakis, E., Cardona, M. Piezobirefringence in diamond 9—73899

Grimshaw, R. Mean flows induced by internal gravity wave packets propagating in a shear flow 9—98740

Grimshaw, R.H.J. On resonant over-reflexion of internal gravity waves from a Helmholtz velocity profile 9—50740

Grimsrud, E.P., Kim, S.H., Gobby, P.L. Measurement of ions within a pulsed electron capture detector by mass spectrometry 9—92017

Grimus, W., Baier, H. Relativistic corrections to weak exchange currents and the muon-proton capture 9—75756

Grimvall, G. Energy dependent relaxation times in electronic transport properties of metals 9—60804

Grin', L.E. *see* Afonnikov, N.A. 9—68424

Grin, L.E. *see* Korolev, F.A. 9—55161

Grin', N.E., Chernyavskaya, E.I. Estimation and certain properties of absorption-conditioned transition functions 9—53318

Grin', Yu.I. *see* Testov, V.G. 9—68388

Grin', Yu.N. *see* Kripyakevich, P.I. 9—94941

Grin, Yu.T. Dispersion of pion multiplicity in nuclear collisions 9—54443

Grin', Yu.T. Multiplicity of pions in central nuclear collisions 9—59079

Grinberg, A.A., Belorusets, E.D. Two-electron model for deep impurity centers in semiconductors 9—65411

Grinberg, A.A., Belorusets, E.D. Energy spectrum of multiply charged impurity centers in semiconductors 9—69469

Grinberg, A.A. *see* Bulyanitsa, D.S. 9—61410

Grinberg, A.B. *see* Gel'fond, Yu.V. 9—67248

Grinberg, B.I. *see* Mirotvorskii, V.S. 9—70021

Grinberg, E.S., Deminov, R.G., Kochelaev, B.I. Theory of phonon avalanche due to nonequilibrium dipole reservoir 9—99751

Grinberg, N.M., Serdyuk, V.A., Zmeevets, S.G. Effect of structural state upon fatigue fracture in MA12 magnesium alloy in air and in vacuo. I. Life and fatigue crack generation 9—87728

Grinberg, N.M., Serdyuk, V.A., Zmeevets, S.G. Effect of structural state on the fatigue fracture of magnesium alloy MA12 in air and in a vacuum. Microscopic and macroscopic features of fatigue crack growth in air 9—91796

Grinberg, N.M., Serdyuk, V.A., Zmeevets, S.G. Influence of structural condition on the fatigue failure of MA12 magnesium alloy in air and in vacuum. III. The influence of a vacuum medium on the growth of a fatigue crack 9—91800

Grinberg, S.D. *see* Tolchinskaya, O.E. 9—95703

Grinberg, S.M. *see* Kandyrin, L.B. 9—57030

Grinberg, V.Ya. *see* Tsitsishvili, V.G. 9—51290

Grinchenko, V.T., Meleshko, V.V. Axisymmetric vibrations of an elastic cylinder of finite length 9—86383

Grinchenko, V.T. *see* Vovk, I.V. 9—86278

Grinchenko, Yu.A., Savvin, Yu.N., Timan, B.L. Characteristic features of the behavior of the width of the NMR line of ^{27}Al in ruby 9—69734

Grinchenko, Yu.V. *see* Aleksandrov, Yu.I. 9—92241

Grindborg, J.E. *see* Rapp, O. 9—56183

Grindlay, J. *see* Giacconi, R. 9—70941

Grindlay, J. *see* Redlack, A. 9—77546, 9—77547

Grindlay, J. *see* Trombka, J. 9—80373

Grindlay, J.E. The optical counterpart of GX 339—4, a possible black hole X-ray source 9—101220

Grindlay, J.E. *see* Harris, D.E. 9—71144

Grindlay, J.E. *see* McClintock, J.E. 9—58442

Grindle, S.P., Smith, C.W., Mittleman, S.D. Preparation and properties of $CuInS_2$ thin films produced by exposing RF-sputtered Cu-In films to an H_2S atmosphere 9—95926

Grindle, S.P. *see* White, F.R. 9—78903

Grindley, T. Application of soft-sphere equation of state to liquid mercury 9—55863

Grine, M.M. Quartz spring vacuum microbalance 9—49204

Griner, D. *see* Calvert, J. 9—80225

Grinevitskaya, L.K., Polyakhova, E.N. On the errors of trajectories prediction analytical method in the case of geocentric motion of an apparatus with a solar sail 9—88576

Grinfel'dt, A.E. *see* Shchagina, L.V. 9—70528

Gringarten, A.C. Reservoir lifetime and heat recovery factor in geothermal aquifers used for urban heating 9—74492

Gringauz, G.D. *see* Vishnyakov, N.A. 9—52488

Gringauz, K.I., Verigin, M.I., Breus, T.K., Gombosi, T. The interaction of electrons in the optical umbra of Venus with the planetary atmosphere—the origin of the nighttime ionosphere 9—80259

Grinin, V.P. Radiation pressure in spectral lines in envelopes with axisymmetric motions. I. Kinematics with local radiative coupling 9—88579

Grinin, V.P., Fabrica, S.N. On the interpretation of line profiles in the spectra of Seyfert galaxies and quasars 9—101203

Grinnell, A.D., Brown, P. Long-latency 'subthreshold' collicular responses to the constant-frequency components emitted by a bat 9—79562

Grinolds, H.R., Robinson, G.Y. Low-temperature sintering of Pd/Ge films on GaAs 9—69581

Grinshpan, Y., Nitzan, M., Goldstein, Y. Hall mobility of electrons in quantized accumulation layers on ZnO surfaces 9—60909

Grinshpan, Y. *see* Goldstein, Y. 9—69529

Grinshpan, Y. *see* Nitzan, M. 9—73509

Grinshtein, I.L. *see* Katskov, D.A. 9—96389

Grinstein, G., Jayaprakash, C., Wortis, M. Ising magnets with frustration: Zero-temperature properties from series expansions 9—61129

Grinstein, G., Minnhagen, P., Rosengren, A. Bosonisation without bosons in the one-dimensional electron gas 9—54041

Grion, N., Saitta, B. Description of a plastic scintillator telescope used as a pion beam monitor in experiments of negative pion capture at rest in nuclei 9—49913

Gripps, W. *see* Rajagopalan, I. 9—62031

Grisar, R., Burkhard, H., Bauer, G., Zawadzki, W. Magneto-optical transitions and band parameters of PbTe 9—82961

Grisaru, M.T., Schnitzer, H.J. Reggeization of gauge vector mesons and unified theories 9—97562

Grisaru, M.T. *see* Christensen, S.M. 9—75429

Grischkowsky, D. *see* Fan, B. 9—89627

Griscom, D.L., Friebele, E.J., Shinn, D.B. Ferromagnetic resonance of spherical particles of α-iron precipitated in fused silica 9—82876

Griscom, D.L. *see* Friebele, E.J. 9—61222

Griscom, D.L. *see* Stapelbroek, M. 9—65729

Grisell, R.D., Andresen, M.C. Multicompartment diffusion and reaction modeling system applied to transmitter-mediated photoreception 9—70547

Grisendi, T. *see* Jannitti, E. 9—93947

Grishaev, I.A., Kovalenko, G.D., Kulibaba, V.I., Morokhovskii, V.L., Shramenko, B.I. Electron and positron bremsstrahlung spectra in germanium crystal at temperatures of 293 and 77K 9—91522

Grishaev, I.A. *see* Batygin, Yu.V. 9—63856

Grishaev, V.I., Demchenko, V.V., Omel'chenko, A.Ya. Action of an external electric field on the dynamics of Langmuir turbulence in the region of upper hybrid resonance 9—73010
Grisham, D.L., Ekberg, E.L., Lambert, J.E., Meyer, R.E., Stroik, P.J., Wickham, M.D. Monitor 1979 9—71997
Grisham, D.L. *see* Agnew, L. 9—68107
Grisham, L. *see* Eubank, H. 9—82074
Grisham, L. *see* Strachan, J.D. 9—68954
Grishanov, B.I., Zhukov, V.M., Polezhayev, S.A., Fursey, G.N., Chibukov, Yu.Ya., Yasnov, G.I. The change in the shape and the electron field emission of micron-size metallic points 9—74067
Grishanov, N.I., Elfimov, A.G., Nekrasov, F.M., Udovichenko, S.Yu. Parametric excitation of potential oscillations with $\nu_0 \sim \nu_{Ti}$ in a magnetized collisionless plasma 9—55484
Grishanova, L.V. *see* Kolesnikov, P.M. 9—81695
Grishchenko, E.K. Disparity between estimates of the parameters of piezoelectric transducers by the specified-field and self-consistent field methods 9—94442
Grishchenko, L.V. *see* Ekimov, S.P. 9—94980
Grishchenko, T.G. *see* Gerashchenko, O.A. 9—67296
Grishchenko, V.I. *see* Verlin, B.I. 9—57807
Grishin, A.M., Agranat, V.M., Bertsun, V.N. Diffusion-thermal instability of laminar flames in tubes 9—86320
Grishin, A.M., Lutsishin, P.P., Ostroukhov, Yu.S., Panchenko, O.A. Multiple Sondheimer oscillations in tungsten plates with atomically pure surfaces 9—60796
Grishin, A.M. *see* Agranat, V.M. 9—77104
Grishin, A.M. *see* Bezuglyi, P.A. 9—99771
Grishin, A.M. *see* Golovichev, V.I. 9—79253
Grishin, A.N., Dadashev, R.S., Utyamyshev, R.I. Condition and development prospects of the medical measuring-equipment state testing system 9—96701
Grishin, A.N. *see* Aref'ev, K.P. 9—51530
Grishin, A.N. *see* Dadashev, R.S. 9—96700, 9—96703
Grishin, A.N. *see* Utyamyshev, R.I. 9—96699, 9—96702
Grishin, S.A. *see* Pustovoit, V.N. 9—87630
Grishin, S.D., Erofeev, V.S., Zharinov, A.V., Naumkin, V.P., Safronov, I.N. Characteristics of a two-stage ion accelerator with an anode layer 9—71561
Grishin, S.F. *see* Chernyshenko, V.Ya. 9—88963
Grishin, V.G. Multiparticle reactions at high energies 9—63546
Grishin, V.G. *see* Angelov, N. 9—59094, 9—89335
Grishin, V.G. *see* Angelov, N.S. 9—97638
Grishin, V.M. *see* Asoskov, V.S. 9—60102, 9—86554
Grishin, V.P. *see* Bagraev, N.T. 9—78568
Grishin, Yu.A. *see* Ankilov, A.N. 9—67455
Grishina, I.A. *see* Vasileva, A.N. 9—99011
Grishina, O.A. *see* Verlin, B.I. 9—57807
Grishina, T.F. *see* Buzanov, V.I. 9—75552
Grishina, V.M. *see* Elagin, V.I. 9—52607
Grishkov, A.I. Rate of flow of metal in plastic zone during rolling under conditions of two-dimensional strain 9—52264
Grison, P., Lauro, J.F. The operation of pumps with two-phase water-steam flow 9—63726
Gritsenko, A.P., Petrov, G.D. Multiple scattering in inverse problems of the optics of coarsely dispersed aerosols 9—98289
Gritsenko, B.P. *see* Lisitsyn, V.M. 9—65079
Gritsenko, N.A., Nisht, M.I. Calculation of the aerodynamic characteristics of a wing moving with subsonic velocity under a slight effect of a shock wave 9—64684
Gritsenko, V.A., Meerson, E.E., Mogilnikov, K.P., Sinitsa, S.P. High-field conductivity of amorphous insulator films 9—56320
Gritsinin, S.I. *see* Askar'yan, G.A. 9—76548
Gritsishin, P.M. *see* Mikitishin, S.I. 9—52252
Gritsuk, M.V. *see* Dzhelyadin, R.I. 9—67556
Gritsuk, M.V. *see* Victorov, V.A. 9—67546
Gritsyna, V.T. *see* Sikora, A.V. 9—56868
Gritsyna, V.T. *see* Voitsenya, T.I. 9—65938
Gritsyuk, V.E. Calculation of a bar with concentrated masses by the action of longitudinal impact 9—50627
Gritz, R.W. *see* Caruthers, G.F. 9—59230
Gritzner, M.L., Scott, W.H., Albert, T.E. Detector perturbations to neutron and gamma-ray spectra measurements in liquid air 9—59314
Gritzner, M.L. *see* Woolson, W.A. 9—53565
Grivas, D., Murty, K.L., Morris, J.W., Jr. Deformation of Pb-Sn eutectic alloys at relatively high strain rates 9—57042
Grivin, V.P. *see* Ankilov, A.N. 9—93270
Grivtsov, A.C., Ergunova, R.M., Zorin, Z.M., Krykin, M.A., Mikhailovskii, Yu.N., Nechaev, A.A., Timashev, S.F., Chalykh, A.E. Ellipsometric study of the initial stages of metal deposition onto dielectric substrates 9—74011
Grizzard, T.J. *see* Randall, C.W. 9—57508
Grman, D., Jesenak, V. Interdiffusion study in the system Ni-Fe_3O_4 9—69301
Grman, D. *see* Kovacova, K. 9—91637
Grob, R. *see* Casanovas, J. 9—91112
Grober, D. Supersymmetry in de Sitter space 9—93305
Grobner, O. *see* Brunet, P. 9—72052
Grobner, O. *see* Laurent, J.-M. 9—67325
Grochalska, B. *see* Wdowczyk, J. 9—80150
Grochalski, B., Halary, J.-L., Noel, C., Monnerie, L. Pressure dependence of cellulose diacetate membrane, permeabilities in presence of various solutes 9—52756
Grodecki, D.E. *see* Hennessy, W.P. 9—86131
Grodkiewicz, W.H. *see* Gyorgy, E.M. 9—78120
Grodnenskii, I.M., Lutskii, V.N., Savchenko, A.K., Elinson, M.I., Krupennikova, V.A. Quantum size effects in high-mobility bismuth films 9—91174
Grodowski, M., Liu, R.S.H., Herkstroeter, W.G. A study of isomeric retinal triplets by low temperature spectroscopic and kinetic flash photolysis 9—85972
Grody, N.C., Hayden, C.M., Shen, W.C.C., Rosenkranz, P.W., Slaelin, D.H. Typhoon June winds estimated from scanning microwave spectrometer measurements at 55.45 GHz 9—100906
Grody, N.C. *see* Westwater, E.R. 9—58226
Grodzinsky, A.J. *see* Nussbaum, J.H. 9—79489
Groen, J.P., Klaassen, T.O., Poulis, N.J. Proton relaxation near the saturation field in an $S=^1/_2$ antiferromagnetic chain system 9—61256
Groen, J.P. *see* Diederix, K.M. 9—51793, 9—61136
Groenendijk, H.A. *see* van Duyneveldt, A.J. 9—86726
Groeneveld, D.C. *see* Chen, W.J. 9—67814
Groeneveld, K.O. *see* Garten, R.P.H. 9—52802
Groeneveld, K.O. *see* Nottrodt, K.H. 9—53004
Groenink, J.A., Binsma, H. Electrical conductivity and defect chemistry of $PbMoO_4$ and $PbWO_4$ 9—91107
Groenink, J.A., Hakfoort, C., Blasse, G. The luminescence of calcium molybdate 9—95835
Groenink, J.A., Janse, P.H. A generalized approach to the defect chemistry of ternary compounds 9—90648
Groenou, A.Broese van *see* Broese van Groenou, A.
Groff, E.G. *see* Liburdy, J.A. 9—81890
Grogan, A.F. *see* Button, B.L. 9—98693
Groger, V. Influence of grain boundaries on the low temperature thermal conductivity of copper 9—51546
Groger, V. Precision table for surface scattering in foils 9—60907
Grogler, N. *see* Maurer, P. 9—53739
Grohmann, K., Hahlbohm, H.-D., Hechtfischer, D. The cryo current comparator as a calculable DC ratio standard 9—88977
Grois, L.V., Kvantaliani, N.E. Problem of dissolving gas bubbles in a liquid 9—90319
Groke, U. *see* Lang, H. 9—67847
Grokhovskii, S.L. *see* Gurskaya, G.V. 9—88051
Groleau, R. *see* Lanford, W.A. 9—87877
Grolier, J.-P.E., Wilhelm, E., Hamedi, M.H. Molar heat capacity and isothermal compressibility of binary liquid mixtures: carbon tetrachloride+benzene, carbon tetrachloride+cyclohexane and benzene+cyclohexane 9—66328
Grolleau, B. *see* Turban, G. 9—95944
Grolli, M. *see* Ascoli-Bartoli, U. 9—60170
Grolmes, M.A. *see* Chen, W.L. 9—49660, 9—89396
Grom, V.S. *see* Troitskii, V.A. 9—91900
Gromakovskii, D.G. *see* Terminasov, Yu.S. 9—83329
Gromme, A.E. *see* Chao, A.W. 9—72208
Gromov, A.G. *see* Manin, V.N. 9—64973
Gromov, A.K. *see* Alekseev, N.E. 9—89914
Gromov, K.Ya., Kretsu, T., Kuznetsov, V.V., Makarie, G. On the β-decay of ^{137}Cs 9—75918
Gromov, K.Ya. *see* Alikov, B.A. 9—75919
Gromov, K.Ya. *see* Alkhazov, G.D. 9—75957
Gromov, K.Ya. *see* Bonch-Osmolovskaya, N.A. 9—75912, 9—75913
Gromov, K.YA. *see* Adam, J. 9—93556
Gromov, S.N., Pasechnik, L.L., Semenyuk, V.F. Observation of the soliton structure of parametric plasma turbulence at the lower hybrid resonance 9—60143
Gromov, V.E., Seliverstov, N.M., Semakin, E.V., Gurevich, L.I. Equipment for pulse-loading crystals while passing a current through the sample 9—52532
Gromov, V.G., Miroshnikov, V.P. Effects of thermomechanical coupling in the theory of viscoelasticity 9—86355
Gromov, V.G. *see* Afonina, N.E. 9—77171
Gromov, Yu.A. *see* Atenelashvili, M.I. 9—84626
Gromova, G.P. *see* Timoshenko, N.N. 9—87770
Gromova, I.I. *see* Bonch-Osmolovskaya, N.A. 9—75912, 9—75913
Gromovoi, A.P., Del', G.D. Stability of extension of a round heated specimen 9—68601
Gron, O. Relativistic description of a rotating disk with angular acceleration 9—67154
Gron, O. The weight of extended bodies in a gravitational field with flat spacetime 9—85015
Gron, O. *see* Giannoni, C. 9—58487
Gronchi, M. *see* Bonifacio, R. 9—86204
Grone, R., Hascik, J., Topolsky, J. The measurement of annihilation photons 9—49890
Gronenschild, E.H.B.M. X-ray observations of some radio supernova remnants by ANS 9—92833
Gronlund, J. *see* Lundsgaard, J.S. 9—53264, 9—83967
Gronningsaeter, T. Supernovae 9—80329
Gronostajski, J., Ziemba, H. Phenomena occurring during deformation of BA1032 aluminium bronze at high temperatures 9—79023
Gronskii, V.I., Son'ko, V.N., Tsevelev, G.S., Litvin, P.V. Compiling programs for metrological certification of measurement techniques 9—67243
Gronsky, R., Thomas, G. Electron microscopy of spinodal structures at high resolution 9—95996
Gronvold, K. *see* Larsen, G. 9—53332
Grood, E.S. *see* Suntay, W.J. 9—92269
Groom, A.C. *see* Ohta, Y. 9—84069
Groot, E.H.De *see* De Groot, E.H.
Groot, J.de *see* de Groot, J.
Groot, J.De *see* De Groot, J.
Groot, J.G.H., Hansl, T., Holder, M., Knobloch, J., May, J., Palazzi, P., Para, A., Ranjard, F., Savoy-Navarro, A., Schlatter, D., Steinberger, J., Von Ruden, W., Wahl, H., Eisele, F., Kleinknecht, K., Lierl, H., Willutzki, H.J., Dydak, F., Geweniger, C., Hepp, V., Wotschack, J., Bloch, P., Devaux, B., Loucatos, S., Merlo, J.P., Peyaud, B., Rander, J., Turlay, R., Navarria, F.L. Investigation of like-sign dimuon production in neutrino and antineutrino reactions 9—93395
Groot, J.G.H.de *see* de Groot, J.G.H.
Groot, J.H.de *see* de Groot, J.H.
Groot, S.R.de *see* de Groot, S.R.
Grootenboer, H.J. Finite element analysis of two-dimensional reinforced concrete structures, taking account of nonlinear physical behaviour and the development of discrete cracks 9—57121
Gropsian, Z., Kohn, D., Jascanu, V., Iovi, A. Heat transfer during boiling in a vessel of aqueous solutions for substances with limited solubility. II 9—81693
Gropyanov, V.M., Abbakumov, V.G. Problems in non-isothermal kinetics of sintering 9—74112
Grorud, E., Laclare, J.L., Leleux, G. Crossing of depolarization resonances in strongly modulated structures 9—72057
Grorud, E. *see* Aknin, J.P. 9—68001
Gros, C.M. *see* Lang, J. 9—62319
Gros, C.M. *see* Zimmer, R. 9—100697
Gros, J. *see* Takahashi, H. 9—66966
Gros, M., Van Tuan, N., Bertrand, P., Baumann, G. Damping of solitons in plasmas 9—64869
Grosberg, A.J., Head, J.L., Tregonning, K. Analysis of a hypothetical LMFBR accident using the codes FUTURE and FRUMP 9—85661
Grosberg, A.Yu. Simple interpolation formula for the energy of the Van der Waal's interaction of two parallel cylinders 9—92122
Grosch, E., Lambert, H.E. The treatment of difficult cutaneous basal and squamous cell carcinomata with electrons 9—62335
Grosescu, R., Velter-Stefanescu, M. Experimental set-up for NMR double resonance in rotating frame 9—58763
Groshev, K.N. *see* Lemberskii, V.B. 9—96268
Grosjean, F., Tournemine, G. Simulation of inviscid free air flows with the help of perforated walls 9—90276
Grosjean, P. *see* Azam, N. 9—90558
Gross, B. Polarisation phenomena in dielectrics: a comment 9—61295
Gross, B., Ferreira, G.F.L. Analytic solution for radiation-induced charging and discharging of dielectrics 9—78612
Gross, B., Sessler, G.M., von Seggern, H., West, J.E. Hole transit in Teflon films 9—69616
Gross, C.E. *see* Kieffer, S.A. 9—92361
Gross, D., Grassino, A., Ross, W.R.D., Macklem, P.T. Electromyogram pattern of diaphragmatic fatigue 9—88069
Gross, D.A. *see* Wake, M. 9—68087
Gross, D.H. Microscopic, quantal theory of Brownian motion applied to deep inelastic heavy-ion collisions 9—67774
Gross, D.J., Treimann, S.B., Wilczek, F. Light-quark masses and isospin violation 9—63385
Gross, D.J. *see* Callan, C.G. 9—97594
Gross, D.J. *see* Callan, C.G., Jr. 9—58932
Gross, E.E. *see* Baker, F.T. 9—63689, 9—97721
Gross, E.E. *see* Cleary, T.P. 9—54404
Gross, E.E. *see* Dam, S.H. 9—85536
Gross, E.K.U., Rafelski, J. Electromagnetic potential in Thomas-Fermi-Dirac atoms 9—89614
Gross, E.K.U. *see* Dreizler, R.M. 9—59355
Gross, F. Unit of relativistic corrections and meson exchange currents 9—67553
Gross, H. *see* Kubler, O. 9—62205
Gross, J.G., Lewonczuk, S., Khan, M.A., Ringeissen, J. The reflection spectra of cuprous halides in the 4.5-7.5 eV range 9—61402
Gross, J.T. *see* Cheung, P.W. 9—79494
Gross, K.C. Concentric-sphere design for spacing of tag-gas isotopic ratios 9—80983

Gross, K.C., So, B.Y.C. Incorporation of isotopic weighting factors for improved gas-tagging analytical procedures 9—59221

Gross, K.C. *see* Brigger, B. 9—59222

Gross, K.P., Guthals, D.M., Nibler, J.W. Electronic three wave mixing spectra of transient species produced by UV laser photolysis of benzene 9—68223

Gross, K.P. *see* Guthals, D.M. 9—54860

Gross, L. Decay of correlations in classical lattice models at high temperature 9—80534

Gross, L.G. *see* Bogush, G.E. 9—75553

Gross, L.G. *see* Moshkov, A.G. 9—75550

Gross, M., Goy, P., Fabre, C., Haroche, S., Raimond, J.M. Maser oscillation and microwave superradiance in small systems of Rydberg atoms 9—86153

Gross, M.C. *see* Adkins, C.R. 9—49678

Gross, M.D. *see* Freitas, J.E. 9—79634

Gross, S.H., Eun, H. Relative phase and amplitude response to gravity waves of minor species in the thermosphere 9—58140

Gross, W., Meuer, D., Richter, A., Spamer, E., Titze, O., Knupfer, W. A strong magnetic dipole excitation in ^{40}Ca observed in high-resolution inelastic electron scattering and coherent spin-flip transitions due to ground-state correlations 9—71817

Gross, W. *see* Knoor, K. 9—51536

Grossbard, M.I. The magnetoresistance of aluminium 9—91026

Grossberg, S. Adaptive pattern classification and universal recoding: parallel development and coding of neural feature detectors 9—74626

Grosse, H. On the construction of Moller operators for the nonlinear Schrodinger equation 9—97250

Grosse, H.H. *see* Krekh, W. 9—82715

Grosse, P. Submillimeter spectroscopy on epitaxial lead telluride crystals 9—83048

Grosse, P. *see* Faymonville, R. 9—78118

Grosse, P. *see* Gerstenhauer, E. 9—78526

Grosser, A.E. *see* Porter, A. 9—89742

Grosser, D. The mass of the t-quark from discrete symmetries 9—63462

Grosser, D. Natural flavour conservation and the fourth generation 9—97561

Grosser, J. *see* Aberle, W. 9—89754

Grosshoeg, G.R. Neutron ionization chambers 9—68157

Grossi, R.O. *see* Laura, P.A.A. 9—72844, 9—81774, 9—86373, 9—94536

Grossin, R. *see* Boy-Marcotte, J.L. 9—100493

Grossiord, J.Y. *see* Bedjidian, M. 9—63621

Grossiord, Y.J. *see* Van Bibber, K. 9—97723

Grosskreuz, G. *see* Hausler, K.-G. 9—57223

Grossman, B. Correlated ejection of electron-hole drops from a continuously generated electron-hole liquid in Ge 9—78017

Grossman, G. *see* Shitzer, A. 9—70464

Grossman, J. *see* Striffler, C.D. 9—72020

Grossman, J.N., Kracher, A., Wasson, J.T. Volatiles in Chainpur chondrules 9—101121

Grossman, L. *see* Lattimer, J.M. 9—58365

Grossman, S. Memory effects and mode coupling near the laser threshold 9—55107

Grossman, V.I. *see* Voronin, I.V. 9—56067

Grossmann, P. *see* Barnham, K.W.J. 9—85293

Grossmann, P. *see* Blietschau, J. 9—93396

Grossmann, P. *see* Gurtu, A. 9—49517

Grosso, G.Del *see* Del Grosso, G.

Grosso-Pilcher, C. *see* Shochet, M.J. 9—63474

Grosul, V.P. *see* Mikhailenko, V.I. 9—94030

Grot, V.V. *see* Merenkova, R.F. 9—57071, 9—66132

Grotch, H., Ridener, F.L., Jr. Nuclear recoil effects on the polarization of spin-1/2 particles 9—67738

Grote, H. *see* Jonker, M. 9—93399

Groten, E. Local studies of non-tidal gravity variations in the Rhinegraben zone 9—92470

Groten, E., Gerstenecker, C., Hein, G. Geodetic high-precision measurements in active tectonic areas; example: the Rhinegraben 9—79788

Groten, E. *see* Schaab, H. 9—57839

Groth, H. Photovoltaic energy supply installations 9—79398

Groth, W. The early years of photochemistry in the vacuum ultraviolet 9—49006

Grotowski, K. *see* Planeta, R. 9—93640

Grotzbach, G. Numerical investigation of radial mixing capabilities in strongly buoyancy-influenced vertical, turbulent channel flows 9—93751

Grousson, R., Mallick, S. Study of the distribution of velocities in a fluid by speckle photography 9—86543

Grout, P.J., Leech, J.W. The lattice dynamics of crystalline carbon disulphide 9—73269

Grover, A.K., Dhar, S.K., Sampathkumaran, E.V., Gupta, L.C., Malik, S.K. Paramagnetic state NMR and susceptibilty measurements in cobalt based Heusler alloys 9—65643

Grover, A.K., Gupta, L.C., Vijayaraghavan, R., Matsumura, M., Nakano, M., Asayama, K. Host and impurity NMR studies in CoGa alloys—a cluster spin glass system 9—65745

Grover, C.P., Van Driel, H.M. A variable shear interferometer employing correlated diffusers for measuring optical transfer functions 9—97419

Grover, J.R. The IAEA coordinated research programme on the hazard assessment of actinide separation 9—85806

Grover, O.P. *see* Chopra, K.N. 9—76770

Grover, O.P. *see* Kumar, K.L. 9—70419

Grover, O.P. *see* Sachdeva, R.C. 9—74505

Grover, P.D. *see* Ghosh, S. 9—62153

Grover, S.N. *see* Wang, P.K. 9—53459

Groves, B.M. *see* Eubig, C. 9—92397

Groves, D.I. *see* Barley, M.E. 9—57926

Groves, E.S. *see* Baker, R.D. 9—89182

Groves, E.S. *see* Brown, R.M. 9—71761

Groves, K.S., Tuck, A.F. Simultaneous effects of CO_2 and chlorofluoromethanes on stratospheric ozone 9—74940

Groves, S.H. *see* Alavi, K. 9—60707

Groves, S.H. *see* Donnelly, J.P. 9—95473

Groves, T.K., Bishnoi, P.R., Wallbridge, J.M.E. Decompression wave velocities in natural gases in pipe lines 9—68807

Grozdanov, M.I., Bonchev, T., Georgiev, G.T. Determination of thin-layer thickness by in-depth-selective Mossbauer spectroscopy 9—63188

Grozev, G. *see* Anastasov, A. 9—66268

Grozeva, M.G., Sabotinov, N.V., Vuchkov, N.K. CW laser generation on Tl II in a hollow-cathode Ne-Tl discharge 9—76675

Grozhik, V.A., Adomenas, P.V. Birefringence of liquid-crystal 4-cyanophenyl esters of 4'-n-alkylcinnamic acids 9—64991

Groznova, A.A., Troshkov, G.A. Elements of methods for determining numerical characteristics of singular points of composite potential fields in three-dimensional space 9—96833

Gruba, V.D. *see* Kir'yanov, V.A. 9—91966

Grubb, D.P., Emmert, G.A. Trapped electron instability in a linear multi-mirror experiment 9—60181

Grube, W.L. Direct-current glow discharge furnace for high-rate carburizing 9—83370

Grubelashvili, G.A. *see* Barnaveli, T.T. 9—84603

Gruber, C., Lugrin, C., Martin, P.A. Equilibrium equations for classical systems with long range forces and application to the one dimensional Coulomb gas 9—85087

Gruber, E. *see* Krozer, S. 9—77051

Gruber, E.E. Modeling breeder reactor transient fission gas behavior: bubble equilibration effects 9—59168

Gruber, J., Holz, M., Petschacher, R., Russer, P., Weidel, E. Digital optical fibre communication link for 1 Gbit/s 9—81565

Gruber, J. *see* Forster, S. 9—71970

Gruber, J.B. *see* Ho, J.C. 9—60518

Gruber, O.H. Solar cell arrays in unsteady electrical operation 9—96461

Grubina, L.A. *see* Gurinovich, I.F. 9—53020

Gruda, J. *see* Brostow, W. 9—64128

Grudinin, M.M., Klochko, A.V., Lukshin, Yu.V., Klochko, E.V. Study of the kinetics of the functioning of a population of haemopoietic stem cells using analogue modelling devices 9—53063

Grudtsin, S.N. *see* Barinov, N.U. 9—54356

Grudzinski, J. *see* Brzosko, J.S. 9—99012

Grudzinski, K., Labuc, L., Burda, T. Axisymmetrical glue joints with optimal shearing stress distribution within the glue layer 9—66256

Gruebler, W., Burgi, H.R., Konig, V., Schmelzbach, P.A., Jenny, B. On the asymptotic normalization of the deuteron D-state by p-d elastic scattering 9—71858

Gruebler, W., Jenny, B., Konig, V., Schmelzbach, P.A., Burgi, H.R. Investigation of resonances in d-α elastic scattering 9—75953

Gruebler, W. *see* Burgi, H.R. 9—67756

Gruebler, W. *see* Jenny, B. 9—76006, 9—85443

Gruebler, W. *see* Konig, V. 9—75964

Gruebler, W. *see* Sanada, J. 9—71857

Gruebler, W. *see* Schmelzbach, P.A. 9—71830

Gruebler, W. *see* White, R.E. 9—63653, 9—71833

Grueff, G., Perugini, F., Vigotti, M., Zanni, M. Photometry with a television SEC camera at the Loiano telescope 9—58272

Grueff, G. *see* Smith, H.E. 9—92876

Gruehn, R. *see* Spiess, M. 9—51089

Gruen, D.M. *see* Bates, J.K. 9—64014

Gruen, D.M. *see* Mendelsohn, M.H. 9—52761

Gruen, D.M. *see* Steinbruchel, C. 9—78809

Gruenebaum, J. *see* Sahni, V. 9—69570

Gruev, D.I. Effect of relaxation processes on the coherent interaction between radiation and a two-level medium 9—59774

Gruhn, H.H. Temperature recording at the Effelsberg radiotelescope 9—84669

Gruia, S. *see* Abdivaliev, A. 9—67569, 9—67570

Grujic, D., Stamenkovic, S. The numerical estimates of energy and soft-mode parameters of ADA-ADP antiferroelectric solutions on the basis of dielectric measurements 9—56743

Grujic, P.V., Koledin, D. Low-energy electron-excited-atom scattering: quasi-degenerate case 9—76515

Grujic, P.V. *see* Dimitrijevic, M.S. 9—64108

Grum-Grzhimailo, A.N. *see* Balashov, V.V. 9—72425

Grum-Grzhimailo, O.S., Kvyatkovskaya, K.K., Savvateeva, L.M. Effect of alkaline-earth oxides on crystallization of zirconium compounds in low-melting glazes 9—60279

Grum-Grzhimailo, O.S., Kvyatkovskaya, K.K., Savvateeva, L.M. Structure of low-melting borozirconia glazes 9—60282

Grum-Grzhimailo, O.S. *see* Rokhvarger, E.L. 9—61616

Grumbach, R. *see* Beraha, D. 9—97860

Grumbach, R. *see* Felkel, L. 9—76098

Grumboski, L. *see* Awschalom, M. 9—79628

Grummer, F., Schmid, K.W., Faessler, A. The physical nature of the strange oscillating behaviour of the yrast-yrare interaction in the $i_{13/2}$ shell 9—93481

Grummer, F. *see* Schmid, K.W. 9—93537

Grun, A. On the use of modem precision photogrammetry in network densification and land register surveying 9—92633

Grun, J.B. *see* Levy, R. 9—69883

Grun, N. *see* Maruhn-Rezwani, V. 9—89774

Grunau, M.W.Von *see* Von Grunau, M.W.

Grunbaum, A., Janis, A.I. Retrocausation and the formation assimilation of classical electrodynamics to Newtonian mechanics: a reply to Nissim-Sabat's 'On Grunbaum and retrocausation 9—97175

Grunbaum, E. *see* Shapira, Y. 9—69986

Grunbaum, F.A. *see* Davison, M.E. 9—66509

Grunderbeeck, P.Van *see* Van Grunderbeeck, P.

Grundevik, P., Gustavsson, M., Lindgren, I., Olsson, G., Robertsson, L., Rosen, A., Svanberg, S. Precision method for hyperfine-structure studies in low-abundance isotopes: The quadrupole moment of ^{43}Ca 9—63940

Grundevik, P., Lundberg, H., Martensson, A.-M., Nystrom, K., Svanberg, S. Hyperfine-structure study in the P sequence of ^{23}Na using quantum-beam spectroscopy 9—89632

Grundlingh, M.L. Drift of a satellite-tracked buoy in the southern Agulhas Current and Agulhas Return Current 9—74895

Grundlingh, M.L. Observation of a large meander in the Agulhas Current 9—100851

Grundner, M. *see* Citron, A. 9—81113

Grundy, B.R. *see* Wu, P.C.S. 9—57151

Grundy, P.J., Ali, A., Christodoulides, C.E., Grant, W.A. Amorphous transition metal-metalloid alloy films prepared by ion implantation 9—91272

Grundy, P.J. *see* Biesterbos, J.W.M. 9—91273

Grune, H. Thermoanalytic investigation of nickel catalysts for fuel cells 9—74420

Gruner, G. *see* Holczer, K. 9—69501, 9—73500, 9—78608, 9—91340

Gruner, G. *see* Kamaras, K. 9—61403, 9—73970

Gruner, G. *see* Mihaly, G. 9—78088, 9—87089

Gruner, W., Mann, K.-D., Muller, N., Schiek, O. The JENA-made SPEKOL 20 routine spectrophotometer 9—54167

Grunett, D.A., Shaw, R.R., Anderson, R.R., Kurth, W.S., Scarf, F.L. Whistlers observed by Voyager 1: detection of lightning on Jupiter 9—84733

Grunewald, D., Wieland, G. The construction and initial startup of an onfloated pulver resin filter equipment for condensate treatment at a boiling water reactor 9—76116

Grunewald, G., Grunewald-Zuberbier, E., Netz, J., Homberg, V., Sander, G. Relationships between the late component of the contingent negative variation and the Bereitschaftspotential 9—100589

Grunewald, G., Schopohl, R. Influence of many-electron exchange and correlation effects on the vibrational properties of substitutional alloys 9—69443

Grunewald, K. *see* Wachutka, H. 9—90804

Grunewald, M., Thomas, P. Percolation and effective medium theory of conductivity and thermopower in the hopping transport regime 9—78103

Grunewald, M., Thomas, P. A hopping model for activated charge transport in amorphous silicon 9—87099

Grunewald, M., Thomas, P., Wurtz, D. Simple calculation of the hopping conductivity for an exponential band tail 9—87100

Grunewald-Zuberbier, E. *see* Grunewald, G. 9—100589

Grunhaus, J. *see* Berny, L. 9—63524

Grunzweig-Genossar, J. *see* Steinitz, M.O. 9—51256

Grupen, C. *see* Berger, C. 9—49519

Grupen, C. *see* Stamm, W. 9—66902

Grus, M., Horodecki, A.J., Jankowska, A. Dielectric anomaly in copper doped zinc sulphide 9—51897

Gruschinske, J., Kudritzki, R.P. Spherical extended non-LTE model atmospheres of low gravity subluminous O-stars 9—101149

Grush, W.H., White, J.R. Prediction of LOFT core fluid conditions during blowdown and refill 9—89440

Grusha, G.V. *see* Amirkhanov, I.V. 9—71663, 9—75701

Grushevskii, Ya.L. *see* Gogotsi, G.A. 9—83321

Grushin, V.F. *see* Get'man, V.A. 9−63487, 9−89170
Grushina, N.M. *see* Iogansen, A.V. 9−54856
Grusinskii, V.V. *see* Borisevich, N.A. 9−54908
Gruters, H., Muller, C.H. Experimental and numerical investigation of self-stresses 9−90142
Gruttner, A. *see* Chevrel, R. 9−65056
Gruver, R.M. *see* Kirchner, H.P. 9−100243
Gruz, E.A. *see* Bogomolov, K.S. 9−68370
Gruzalski, G.R., Gerber, J.A., Sellmyer, D.J. Electronic properties and superconductivity of Zr-Pd glasses 9−73486
Gruzalski, G.R., Sellmyer, D.J. Magnetically dilute metallic glasses. I. 3d moments 9−95574
Gruzalski, G.R., Sellmyer, D.J. Magnetically dilute metallic glasses. II. 4f moments 9−95575
Gruzalski, G.R. *see* Hu, C.-K. 9−78786
Gruzdev, A.A. Form of free vortices of a wing of finite span 9−64685
Gruzdev, A.D. *see* Kishchenko, G.P. 9−92140
Gruzdev, F.A. *see* Tazenkov, B.A. 9−69557
Gruzdev, P.F., Afanaseva, N.V. Oscillator strengths of the lines and lifetimes of the levels of aluminium, gallium, indium, and thallium 9−54811
Gruzdev, P.F., Afanaseva, N.V. Isoelectronic series of sodium. Radiative lifetimes. I. Na I-S VI 9−72276
Gruzdev, P.F., Loginov, A.V. Refined values of radiation lifetimes of levels of the Ne I atom and Na II and Mg III ions 9−98037
Gruzdev, P.F., Loginov, A.V. Transition probabilities and radiative lifetimes of levels in the spectrum of the Si V ion 9−98041
Gruzdev, P.F. *see* Loginov, A.V. 9−76372
Gruzdev, V.A., Zlobina, A.F., Kreindel', Yu.E. Gas generator 9−88927
Gruzdev, V.P. *see* Ermolaev, V.L. 9−54880
Gruzdev, V.V. *see* Alekseev, N.E. 9−64236
Gruzdev, Yu.V. *see* Vyaznikov, V.V. 9−53624
Gruzinov, B.F., Drabkin, I.A., Zakharyugina, G.F., Matveenko, A.V., Nel'son, I.V. High-temperature position of the Fermi level of In-doped PbTe alloys 9−90948
Gruzinov, V.A., Sokhranov, N.N., Strukov, A.S. Practical interpretation of results of borehole geophysical investigations using logging minicomputers 9−84538
Gruzinov, V.A. *see* Sokhranov, N.N. 9−62625
Gruzinskii, V.V., Barkova, L.A., Stratskevich, L.K., Shisklo, P.M. Fluorescence of a polyatomic compound in a discharge 9−54891
Gruzinskii, V.V., Davydov, S.V. Features of the spectral kinetics of lasers based on polyatomic organic molecules 9−55132
Gruzinskii, V.V., Staneva, T.G., Suchkov, V.A. The kinetics of stimulated radiation of phthalimides with lamp pumping 9−51987
Gruzinskii, V.V. *see* Borisevich, N.A. 9−94031
Gruzintsev, A.I. *see* Goncharov, E.E. 9−85859
Gryadunov, A.I., Mamatisakov, D. Quadratic form of generalized thermoelectric converter surface heat balance equations 9−83609
Gryaev, V.M., Afanas'ev, V.A., Gadzhiev, G.I., Efimov, V.N., Markin, S.A., Nigmatullin, N.R., Teikovtsev, A.A. Study of the operational characteristics of the core and irradiated fuel parameters in the BOR 60 reactor 9−97877
Gryazev, V.M., Antipin, G.K., Afanas'ev, V.A., Britov, V.N., Efimov, B.N., Kondrat'ev, B.I., Kon'kov, V.F., Smirnov, A.M. Safe operation of the BOR-60 experimental fast reactor in power plant conditions 9−97865
Gryazev, V.M. *see* Afanas'ev, V.A. 9−89400, 9−97832
Gryaznov, O.S., Moizhes, B.Ya., Nemchinskii, V.A. Generalized thermoelectric efficiency 9−56253
Gryaznov, O.S. *see* Averkin, A.A. 9−73536
Gryaznov, V.L., Polezhaev, V.I. Numerical modeling of the turbulent convection mode in a vertical layer 9−64653
Grygorczyk, R., Lewowski, T. Temperature dependence of Ag photocathode work function decrease due to the adsorption of alkali halide molecules 9−78824
Grynberg, G. Doppler-free multi-phonon excitation: light shift and saturation 9−76399
Grynberg, G. Three-photon absorption: selection rules and line intensities 9−98054
Grynberg, G., Giacobino, E., Biraben, F., Beroff, K. Relaxation of the sodium atom in the 4D level by collisions with noble gases. II. Theoretical aspects 9−68308
Grynberg, G. *see* Biraben, F. 9−68307
Grynberg, G. *see* Chase, L.L. 9−56138
Grynberg, M. *see* Pastor, K. 9−61351, 9−82984
Grynberg, M. *see* Stepniewski, R. 9−69813
Grynberg, M. *see* Witowski, A.M. 9−55847
Gryning, S.E., Lyck, E., Hedegaard, K. Short-range diffusion experiments in unstable conditions over inhomogeneous terrain 9−58059
Grynpas, M.D. *see* Bonfield, W. 9−57690, 9−79592
Grynszpan, R.J. *see* Nishida, N. 9−56687
Gryntakis, E.M., Kim, J.I. Activation cross-sections for some (n,2n),(n,p) and (n,γ)-reactions 9−57335
Grysa, K., Jankowski, J. Summation of certain Dini and trigonometric series occurring in problems of the theory of continuous media 9−63032
Gryvnak, D.A. *see* Burch, D.E. 9−64005
Gryzina, V.V. *see* Gabeskiriya, V.Ya. 9−71938
Gryzlov, A.V., Davituri, A.D., Zakharov, M.A. Injection system of the Elektronika linear accelerator 9−67978
Grzedzinski, J., Nowak, M. Elimination of rigid-body degrees of freedom in flutter eigenvalue problem 9−98651
Grzelak, J. *see* Krajewski, T. 9−90833
Grzelak, M., Letowski, T., Rakowski, A. A comparison of sound projection systems. I 9−55288
Grzeta-Plenkovic, B. *see* Popovic, S. 9−50941, 9−55710
Grzybowski, J.M., Sugamori, S.E., Williams, D.F., Yip, R.W. On the wavelength dependence of picosecond relaxation in crystal violet 9−99921
Grzywacz, J. *see* Taszner, S. 9−59377
Gschneidner, K.A., Jr. *see* Beaudry, B.J. 9−69969
Gschneidner, K.A., Jr. *see* Forgan, E.M. 9−51788
Gschneidner, K.A., Jr. *see* Ho, J.C. 9−60518
Gschneidner, K.A., Jr. *see* Petersen, T.S. 9−78080
Gschneidner, K.A., Jr. *see* Stassis, C. 9−86859
Gschneidner, K.A., Jr., Eyring, L. *(editor)* Handbook on the physics and chemistry of rare earths, vol.1. Metals 9−69384
Gschwandtner, A. *see* Feichtinger, H. 9−82200
Gspann, J., Vollmar, H. Momentum transfer to helium-3 and helium-4-microdroplets in heavy atom collisions 9−50113
Gspann, J., Vollmar, H. Mass dependent molecular beam focusing by cross-jet deflection 9−93257
Gu Ben-yuan, Zhang An-dung, Zhang Zhi-cheng, Yu Feng-chun The optical SHG from powder samples as a method for detecting 20 crystal classes of non-centrosymmetry 9−81490
Gu Ben-yuan *see* Zhao Shi-fu 9−91404
Gu Chao-hao, Hou He-shen On the gauge conditions for gauge fields 9−93281
Gu Hao-Ding *see* Chen Yun-Tai 9−57842
Gu Hwan Cher *see* Hwan Cher Gu
Gu Ji-Cheng, Xie Xiao-Bi, Zhao Li On temporal distribution of large aftershocks of the sequence of a major earthquake and preliminary theoretical explanation 9−88253
Gu Jin-nan *see* Wang Zheng-da 9−80864
Gu Jin-Ping *see* Feng De-Yi 9−62435
Gu Ming-gao Proposal of a $SU_L(24)\times SU_R(24)$ model for the unification of interactions 9−54291
Gu Shi-Jie, Huo Chong-Ru Profiles of junction current and carrier-concentration in GaAs injection lasers with filament 9−50292
Gu Yi-dong *see* Zhao Jing-lun 9−59308
Gu Zi-Ming, Huang He-Ling The fluxgate magnetometer and its orientation error in inclination measurements 9−88477
Gualdi, C. *see* Baroni, L. 9−75236
Gualtieri, D.M. Flux growth of (Ca,Ge)-substituted rare-earth iron garnets in the regular solution approximation 9−78907
Gualtieri, G.J. *see* Schwartz, G.P. 9−77928
Guan, D.Y., Sass, S.L. X-ray diffraction study of the structure of small- and large-angle [001] tilt boundaries in gold 9−82238
Guan Dexiang *see* Li Yinting 9−100824
Guan-da Ze *see* Ze Guan-da
Guan-Mian Chen *see* Chen Guan-Mian
Guan-ping Feng *see* Feng Guan-ping
Guang-chang Xia *see* Xia Guang-chang
Guang-cheng Shi *see* Shi Guang-cheng
Guang-Da Ji *see* Ji Guang-Da
Guang-jiong Ni *see* Ni Guang-jiong
Guang-lie Li *see* Li Guang-lie
Guang-Yu Zhou *see* Zhou Guang-Yu
Guang-zhao Liu *see* Liu Guang-zhao
Guang-Zhao Zhou *see* Zhou Guang-Zhao
Guang-zhong Xie *see* Xie Guang-zhong
Guangda Ji *see* Ji Guangda
Guaraldo, C. *see* Balestra, F. 9−85427, 9−85437, 9−85495, 9−85513, 9−85517
Guaraldo, C. *see* Capitani, G.P. 9−72034
Guardiola, R. High energy electron and hadron collisions on ^{12}C in a deformed translationally invariant model 9−58996
Guardiola, R. Recoil corrections in electric gamma transitions 9−89263
Guardo, R. *see* de Guise, J. 9−79677
Guardo, R. *see* Savard, P. 9−70671
Guarini, G. *see* Donzelli, G.P. 9−87170
Guarini, G.G.T. *see* Donati, D. 9−83019
Guariso, G. *see* Ambrosino, G. 9−96768
Guarlado, C. *see* Balestra, F. 9−76041
Guarnieri, A., Nicolaisen, R. A contribution to the structure of N-nitroso-dimethylamine microwave spectra of isotopic substituted forms 9−59446
Guarnieri, A. *see* Bartolini, C. 9−67024
Guarnieri, C.R. *see* Samuelson, L. 9−59805
Guarnieri, C.R. *see* Wieder, H. 9−61450
Guarro, S. *see* Granzini, R. 9−59217
Guary, J.-C., Fowler, S.W. Uptake from water and tissue distribution of neptunium-237 in crabs, shrimp and mussels 9−74765
Guaschino, L. *see* Bellobono, I.R. 9−96175
Guattari, G. *see* Cesini, G. 9−72505
Guattari, G. *see* De Santis, P. 9−76783
Guazzoni, P. *see* Roaf, D. 9−89238
Gubaidullin, A.A., Ivandaev, A.I., Nigmatulin, R.I. Nonsteady shock waves in gas-liquid mixtures of bubble structure 9−68792
Gubaidullin, A.A. *see* Ivandaev, A.I. 9−81711
Gubankov, V.A. *see* Blonskii, I.V. 9−82334
Gubankov, V.N., Margolin, N.M. Nonlinear electric phenomena at superconductor-normal metal contacts 9−78268
Gubankov, V.N. *see* Vystavkin, A.N. 9−73644
Gubankow, V.N., Koshelets, V.P., Ovsyannikov, G.A. Nonequilibrium phenomena in variable thickness bridges of submicron dimensions 9−56421
Gubanov, A.I., Dunaevskii, S.M. Crimping of the electron density at the metal surface 9−82653
Gubanov, V.A., Ivanovskii, A.L., Shveikin, G.P., Weber, J. Electronics structure and X-ray photoelectron spectra of TiC and ZrC cluster and band structure approaches 9−60710
Gubanov, V.A., Ryzhkov, M.V., Zhukov, V.P. Luminescence and optical spectra of Tb and Ce in matrices of orthovanadates and orthophosphates 9−65921
Gubanov, V.A. *see* Angert, N.G. 9−69842
Gubanov, V.A. *see* Anisimov, V.I. 9−51481
Gubanov, V.A. *see* Belyi. N.M. 9−69433, 9−73950
Gubanov, V.A. *see* Ivanovskii, A.L. 9−59513
Gubanov, V.A. *see* Kurmaev, E.Z. 9−59488
Gubanov, V.A. *see* Sidorov, A.A. 9−69666
Gubanov, V.S. A priori estimate of the accuracy of the absolute chain method for equalizing results of observations of star right ascensions with the large transit instrument 9−96887
Gubar, N.E. *see* Baiburina, S.G. 9−80156, 9−80170
Gubareva, T.F. *see* Fridlyander, I.N. 9−83238
Gubaryenko, L.A., Ivankin, L.G., Kossova, K.A., Simakov, V.S., Staklo, A.V. On allowing for the variations of the Eotvos effect 9−74969
Gubatenko, V.P. Approximate analysis of problems of magnetic field probing 9−84108
Gubatenko, V.P. Detail and depth of investigations by the EM field formation method in the case of a conducting semi-space 9−84110
Gubbins, D. *see* Carrigan, C.R. 9−74837
Gubbins, K.E. *see* Dufty, J.W. 9−77326
Gubbins, K.E. *see* Holland, P.M. 9−77332
Gubbins, K.E. *see* Murad, S. 9−50976, 9−86662
Gubbins, K.E. *see* Nicolas, J.J. 9−73083
Gubbins, K.E. *see* Thompson, S.M. 9−73377
Gubel', N.N. Computing the air angles of components 9−76799
Gubenko, S.I. *see* Bel'chenko, G.I. 9−96127
Guberina, B., Tadic, D., Trampetic, J. QCD calculation of the parity-violating NNπ amplitude in the Weinberg-Salam model and flavor-symmetry breaking 9−67520
Guberina, B. *see* Galic, H. 9−80780
Guberman, A. *see* Batty, C.J. 9−76535
Guberman, S. *see* Kirby, K. 9−68272
Gubernatis, J.E. Long-wave approximations for the scattering of elastic waves from flaws with applications to ellipsoidal voids and inclusions 9−86368
Gubernatis, J.E., Domany, E. Rayleigh scattering of elastic waves from cracks 9−55343
Gubernatis, J.E., Krumhansl, J.A., Thomson, R.M. Interpretation of elastic-wave scattering theory for analysis and design of flaw-characterization experiments: the long-wavelength limit 9−83408
Gubin, M.A., Nikitin, V.V., Petrovskii, V.N., Protsenko, E.D., Tyurikov, D.A., Yatsenko, L.P. Investigation of the stability and frequency shifts of a two-mode He-Ne-CH_4 laser 9−89934
Gubin, S.A. *see* Gel'fand, B.E. 9−81952
Gubkin, A.N. *see* Boguslavskii, L.I. 9−69770
Gubkin, Yu.S., Nagibina, I.M. Method of determining the relative m[numbers of bands in holographic interferometry 9−55083
Gubler, H.P. *see* Kiebele, U. 9−85483
Gubser, D.U., Ott, H.R., Girgis, K. Superconducting properties of A-15 $V_{75-x}M_xGa_{25}$ compounds: M=Ti, Cr, Mn, Fe, Co, and Ni 9−60952
Gubser, D.U., Wolf, S.A. Phase transition between incoherent and coherent superconducting states in granular NbN films 9−56394
Gubser, D.U., Wolf, S.A., Cox, J.E. Shielding of longitudinal magnetic fields with thin, closely spaced, concentric cylinders of high permeability material 9−71499
Gubser, D.U. *see* Kwasnitza, K. 9−60979
Gubskii, V.F. *see* Gdalevich, G.L. 9−84566
Gucev, V. Electrical properties of the alloys of the system Cd-Sb with the composition near to the intermetallic compound CdSb 9−56216
Guckel, H., Thomas, D.C., Demirkol, A. An alternative to angle lap and stain analysis of Gaussian diffusions 9−86925
Guckel, H., Thomas, D.C., Demirkol, A. Comment on 'A note on the assumption of quasiequilibrium in semiconductor junction devices 9−91128
Gud, Yu.I. *see* Gordienko, Yu.E. 9−49252

Gudas, J.P., Hack, H.P. Sulfide induced corrosion of copper nickel alloys 9—91836
Gudat, W. *see* Bringer, A. 9—74054
Gudder, S.P. Algebraic conditions for a function on an Abelian group 9—54007
Gudehus, D.H. A larger and more turbulent Universe 9—58453
Gudel, H.U. *see* Furrer, A. 9—78359
Gudenko, A.V., Tsymbalenko, V.L. Effect of plastic deformation on the motion of charges in solid He^4 9—60599
Guderjahn, C.A., Morewitz, H.A. Interactions of molten UO_2 with steel and graphite 9—49700
Gudinitsa, E.N. *see* Maidukova, T.P. 9—95980
Gudkin, T.S., Fiskind, E.E. Response time of a thermal converter with a synthetic anisotropy 9—70454
Gudkin, T.S. *see* Bytenskii, L.I. 9—91172
Gudkin, T.S. *see* Gerashchenko, O.A. 9—93136
Gudkov, A.I. *see* Eremeev, V.S. 9—95963
Gudkov, L.D., Tsarfin, V.Ya. Application of active Q-modulators in pulse holography 9—68371
Gudkov, N.D. Balance of entropy in photosynthesis 9—92181
Gudkov, N.D., Stolovitskii, Yu.M., Yevstigneyev, V.B. Pulse photoconductivity of solutions of chlorophyll and its analogues. IV. Absolute quantum yield of formation of ion-radicals on photo-oxidation of chlorophyll a by p-benzoquinone 9—79447
Gudkov, O.I. *see* Potapov, A.A. 9—80642
Gudkov, S.I. *see* Sokolov, V.I. 9—57064
Gudkova, L.V. *see* Melik-Adamyan, V.R. 9—66444
Gudkova, V.A. One possibility for studying plasma turbulence in the magnetosphere 9—62676
Gudmundsson, H., Astrom, H.U., New, D., Rao, K.V., Chen, H.S. Resistance minima in amorphous mixed magnetic system Fe-Mn-PBAl 9—60784
Gudmundsson, H. *see* Dierker, S.B. 9—56187
Gudmundsson, H. *see* Rao, K.V. 9—73483
Gudovich, O.D. *see* Primenko, V.I. 9—95181
Gudramovich, V.S., Diskovskii, I.A., Konovalov, N.A. Application of high speed cine-filming to the experimental investigation of local loss of stability of films 9—58822
Guds, E.S. *see* Dzhafarov, T.D. 9—56333
Gudym, V.K. Normalization of the measurement error in optical density 9—54091
Gudzenko, A.I., Deryugin, L.N., Pogosov, G.A., Terichev, V.F. Corrugated planar waveguides in the mid-IR region 9—98494
Gudzenko, A.I. *see* Bessonov, A.F. 9—50443
Gudzenko, A.I. *see* Bikeev, O.N. 9—55224
Gudzenko, L.I., Guro, G.M. Inverse problem for a model with distributed parameters 9—75322
Gudzenko, L.I., Malyshevskii, V.S., Yakovlenko, S.I. CO laser pumping with high-energy particles 9—64211
Gudzenko, L.I. *see* Golger, A.L. 9—59688
Guechi, L. *see* Balestri, B. 9—75794, 9—85530
Guedalia, D. *see* Druilhet, A. 9—66749
Guedes, J. *see* Cuden, C.B. 9—51925
Guedes, J.M.P., Slayman, C.W., Gustafson, T.K., Jain, R.K. Internal photoemission in Ag-Al_2O_3-Al junctions 9—82683
Guegan, G. *see* Rossel, P. 9—78196
Gueguen, Y. High temperature olivine creep: evidence for control by edge dislocations 9—79815
Guegueniat, P., Auffret, P., Baron, Y. Evolution of artificial gamma radioactivity in coastal sediments of the English Channel during the years 1976, 1977 and 1978 9—84219
Guekos, G. *see* Jackel, H. 9—89919
Guel-Sandoval, S., Ojeda-Castaneda, J. Quasi-Fourier transform of an object from a Fresnel hologram 9—59652
Guelachvili, G. Absolute wavenumbers and molecular constants of the fundamental bands of $^{12}C^{16}O$, $^{12}C^{17}O$, $^{12}C^{18}O$, $^{13}C^{16}O$, $^{13}C^{17}O$, $^{13}C^{18}O$ and of the 2-1 bands of $^{12}C^{16}O$ and $^{13}C^{16}O$, around 5 μm, by Fourier spectroscopy under vacuum 9—59458
Guelachvili, G. Absolute wavenumbers of the ν_3 band of $^{16}O^{12}C^{32}S$ by Fourier spectroscopy 9—98099
Guemas, L. *see* Meerschaut, A. 9—90599
Guen, L., Glaunsinger, W.S., Wold, A. Physical properties of the quarternary chalcogenides $Cu_2{}^{II}B^{II}C^{IV}X_4$ (B^{II}=Zn, Mn, Fe, Co; C^{IV}=Si, Ge, Sn; X=S, Se) 9—65660
Guen, L., Marchand, R., Jouini, N., Verbaere, A. Crystal structure of $CsCrI_3$ 9—73140
Guenard, C. *see* Gabis, V. 9—96108
Guenard, H. *see* Crouzel, C. 9—57775
Guenault, A.M. Homovalent noble metal alloys 9—65437
Guenault, A.M., Hawksworth, D.G. Pure noble metals 9—65436
Guenault, A.M., Pegrum, C.M., Webster, K.A. Thermoelectric flux generation in superconducting loops 9—65596
Guenault, A.M., Webster, K.A. Thermally generated magnetic flux in superconducting loops 9—56452
Guenault, A.M. *see* Dee, R.H. 9—65620
Guendelman, E. Gauge invariance and mass without spontaneous symmetry breaking 9—89088
Guengant, L. *see* Vidal, D. 9—82027
Guenin, G., Gobin, P.F., Hautecler, S., Pynn, R., Delaey, L. Lattice dynamical study of the premartensitic state in Cu-Zn-Al alloy 9—77696
Guenin, G., Gobin, P.F., Rios Jara, D., Murakami, Y., Delaey, L. Some elastic properties of a single crystal of Cu-Zn-Al martensite 9—55807
Guenin, G. *see* Fribourg-Blanc, P.N. 9—50683
Guenin, M., Simon, J. Space-like fields and non-unitary representations of the Poincare group 9—85238
Guenin, M. *see* Breysse, M. 9—73399
Guennou, H., Sureau, A., Carillon, A., Jamelot, G. New spectroscopic results in the $2s2p^5$-$2s2p^43s$ transition array of Mg^{4+}, Al^{5+} and Si^{6+} ions 9—59384
Guenole, J.-P. *see* Robert, A. 9—72675
Guenot, J. *see* Gerand, B. 9—99157
Guenot, R. *see* Bryselbout, J. 9—74260
Guenther, A.H. *see* Bettis, J.R. 9—89948
Guenther, P.R. *see* Lowe, D.C. 9—100931
Guenzburger, D. *see* Esquivel, D.M.S. 9—60777
Gueret, P., Merat, P., Moles, M., Vigier, J.P. Stable states of a relativistic harmonic oscillator imbedded in a random stochastic thermostat 9—49033
Guerguin-Kern, J.L. *see* Gautherie, M. 9—100693
Guerin, R., Leard, M. Variable-temperature infrared cell for studies of adsorption on alkali halides and other uses 9—80604
Guernsey, D.L. *see* Tabrah, F.L. 9—83814
Guernsey, R.W., Jr. *see* Steinback, M. 9—51351
Guerra, A.Del *see* Del Guerra, A.
Guerra, D.A., Durand, J., Johnson, W.L., Panissod, P. NMR study of ^{31}P in an amorphous superconducting $(Mo_{0.5}Ru_{0.5})_{80}P_{20}$ alloy 9—87193
Guerra, E.M.de *see* de Guerra, E.M.
Guerra, M. *see* Pedulli, G.F. 9—50051
Guerrero, G., Mantegazza, L. New photoelectric observations of the shell star *o* And 9—71046
Guerriero, L. *see* Cutts, D. 9—85346
Gueschir, R. Shot-blasting, a modern technique of surface treatment 9—96170
Guesnier, G. *see* Peinturier, P. 9—76110
Guest, J.A. *see* Lee, L.C. 9—64060
Guest, J.N., Rees, N.J.M., Smith, A.V., Wells, P. The effects of the reflection of an underwater shock at a free surface [fast reactor safety applications] 9—68751
Guest, M.F. *see* Clark, D.T. 9—97982
Guest, M.F. *see* Doran, M. 9—68194
Guest, M.F. *see* Kulander, K.C. 9—89795
Guest, M.F. *see* Murrell, J.N. 9—68203
Guette, J.-P. *see* Spassky, N. 9—66438
Guette, M. *see* Spassky, N. 9—66438
Gueugnon, J.F. *see* Boeuf, A. 9—78332
Gueury, M.J., Dieudonne, R.V. A new method for the exploration and measurement of crack growth using a thin conductor film 9—74324
Guevremont, R., Rabenstein, D.L. Application of the Osterberg-Sarkar-Kruck method for obtaining free ion concentrations in solutions of complex equilibria 9—87892
Guex, L.H. *see* Tran, M.T. 9—93665
Guey-Kuen Yu, Mitchell, B.J. Regionalized shear velocity models of the Pacific upper mantle from observed Love and Rayleigh wave dispersion 9—53321
Gufan, Yu.M., Larin, E.S. Phenomenological analysis of isostructural phase transitions 9—90757
Gufel'd, I.L., Postnov, V.V. Effect of electrostatic forces in vacuum breakdown 9—56724
Guga, K.Yu. *see* Malyutenko, V.K. 9—78199
Gugan, D., Michel, G.W. Dielectric constant gas thermometry and the equation of state of helium 9—63222
Gugel, E., Hauck, N., Florke, O.W. Reactions during silicon nitriding 9—74414
Gugelot, P.C. *see* Faessler, M.A. 9—93664
Gugelot, P.C. *see* Kallne, J. 9—85503
Guggenheim, H.J. *see* Lyons, K.B. 9—87406
Guggenheim, S. Polytype transformations in experimentally deformed wollastonite 9—65021
Guggenheim, S.F., George, A.C., Graveson, R.T., Breslin, A.J. A time-integrating environmental radon daughter monitor 9—67962
Gugliotta, A.A. *see* Gola, M.M. 9—92250
Guha, A. Liquids and liquid mixtures. I 9—77473
Guha, B.K. *see* Bhatnagar, S.S. 9—70118
Guha, J.P. Phase equilibria in the system BaO-GeO_2 9—70047
Guha, R.M., Head, J.L., Mathews, J.R. Analysis of crack patterns in fast reactor fuel pellets 9—54497
Guha, S., Apte, N. Effect of nonparabolic band structure of semiconductors on acoustoelectric instability 9—60875
Guha, S., Ghosh, S. Longitudinal phonon-plasmon interaction in inhomogeneous semiconductors 9—56156
Guha, S., Ghosh, S., Apte, N. Amplification of an acoustic wave in inhomogeneous piezoelectric semiconductors 9—69561
Guha, S., Sen, P.K. Carrier wave instability in the presence of electric and magnetic fields 9—82617
Guha, S., Sen, P.K. Modulational instability of a laser beam in a piezoelectric semiconductor 9—99570
Guha, S., Sen, P.K., Ghosh, S. Modulational instabiltiy of a laser beam in a longitudinally magnetized piezoelectric semiconductor 9—56254
Guha, S., Sen, P.K., Ghosh, S. Parametric instability of acoustic waves in transversely magnetised piezoelectric semiconductors 9—65521
Guha, S. *see* Mandal, P. 9—55006, 9—89772
Guha, S.K. Premonitory crustal deformations, strains and seismotectonic features (b-values) preceding Koyna earthquakes 9—79755
Guharay, S.K., SenGupta, S.N. Investigation of an m=0 mode instability in a cold-cathode Penning discharge 9—98894
Guhathakurta, B.K., Bhattacharyya, G.N., Basu, S., Das Gupta, A. Measurement of electron content and slab thickness near the crest of equatorial anomaly by Intelsat 2F2 9—84574
Guhler, M., Sallet, D.W. The formation of vortex rings and their initial motion 9—77139
Gui-Fen Liu *see* Liu Gui-Fen
Gui-zhen Dong *see* Dong Gui-zhen
Guiasu, I., Radescu, E.E. Higher multipole polarizabilities of hadrons from Compton scattering amplitudes 9—85301
Guibaly, F.El. *see* Young, L. 9—94190
Guichar, G.M., Garry, G.A., Sebenne, C.A. Photoemission yield spectroscopy of electronic surface states on germanium (111) surfaces 9—91122
Guichard, A. *see* Bedjidian, M. 9—63621, 9—85393
Guichard, J.C., Lamauve, M. Measurement of the chemical diameter of particles with a scintillation analyser—application to the study of atmospheric aerosol 9—88036
Guichard, M., Tubiana, M., Malaise, E.P. Changes in repair of potentially lethal damage with culture age in EMT6 cells 9—74723
Guichon, D. *see* Chardon, J.C. 9—81247
Guichon, P.A.M., Giffon, M., Samour, C. The problem of exchange currents in the transition: $^{16}O(0^+) \rightleftarrows {}^{16}N(0^-)$ 9—85375
Guichon, P.A.M. *see* Desgrolard, P. 9—54413
Guicking, D., Boisch, R. Simplified calculation of natural frequencies of thick-walled cylinders in air and water 9—50619
Guidetti, M. *see* Quarati, P. 9—86087
Guidez, J. *see* Vial, B. 9—97780
Guidi, G. *see* Bucci, C. 9—57210
Guidi-Morosini, C. *see* Rigoult, J. 9—68973
Guido, M. *see* Balducci, G. 9—66334
Guidoin, R., Martin, L., Levaillant, P., Gosselin, C., Domurado, D., Marois, M., Awad, J., Blais, P. Endothelial lesions associated with vascular clamping—surface micropathology by scanning electron microscopy 9—53278
Guidoni, A.Giardini *see* Giardini Guidoni, A.
Guidotti, C.V. Compositional variation of muscovite in medium- to high-grade metapelites of northwestern Maine 9—62493
Guidotti, R. *see* Rigaud, F. 9—93617
Guidotti, R. *see* Saporetti, F. 9—67727
Guidry, M.W. *see* Neese, R.E. 9—85362
Guiducci, S., Martinelli, G., Preger, M.A. ALFA, feasibility study of an electron pulse stretcher to increase the duty factor of the Frascati Linac 9—72135
Guiducci, S. *see* Bassetti, M. 9—72066
Guieu, R., Rosso, J.-C., Carbonnel, L. Binary systems of water-ethylenediamine and water-propylene 1,3-diamine 9—51236
Guigas, R. *see* Backenstoss, G. 9—68336
Guignard, G. *see* Borer, J. 9—72151
Guignard, J. *see* Peltre, M.-J. 9—78670
Guilbault, F. *see* Lebrun, C. 9—54390
Guilbaut, F. *see* Vergnes, M.N. 9—54392
Guilbert, Y., Brossas, J. Synthesis and characterization of copolymers grafted with oxirane 9—69032
Guild, F.J. *see* Harris, B. 9—83262
Guilfoyle, P.S., Kastner, C.J. Optical processing of spread spectrum signals 9—72518
Guilhaus, M. *see* Bell, J. 9—67422
Guiliano, M., Mille, G., Chouteau, J. Study by infrared spectroscopy of molecular association of thiazolidine 9—50178
Guillaume, A. *see* Desvignes, G. 9—66600
Guillaume, A. *see* Froidevaux, P. 9—57896
Guillaume, B. *see* Bathellier, A. 9—85811
Guillaume, C.Benoiot a la *see* Benoiot a la Guillaume, C.
Guillaume, G., Fintz, P., Gallmann, A., Jundt, F., Riedinger-Ordonez, I., Sioshansi, P. High spin states in ^{53}Mn 9—67627
Guillaume, G. *see* Fintz, P. 9—67711, 9—76501
Guillemet, B., Jouvenaux, S., Mascart, P., Isaka, H. Normalization of the second order moments of the vertical velocity of the air and of the temperature in the convective boundary layer 9—88447
Guillemet, B. *see* Mascart, P. 9—53417
Guillen, F. *see* Delmas, C. 9—77810
Guillen, F. *see* Fouassier, C. 9—95719
Guillen, F. *see* Latourrette, B. 9—91490

Guillermo, R., Conflant, P., Boivin, J.-C., Thomas, D. The solid state phase diagram of system Bi_2O_3-SrO 9—65190
Guillez, A. Analytical study and physiological consequences of a respiration model 9—79574
Guillez, A. *see* Cherruault, Y. 9—62283
Guillo, M., Mercey, B., Deschanvres, A. The systems CuX (X=Cl, Br)—HgS. Study of the composition CuHgSX (X=Cl, Br) 9—90620
Guillon, D., Cladis, P., Stamatoff, J., Aadsen, D., Daniels, W.B. X-ray study of a smectic C* liquid crystal under pressure 9—99061
Guillon, D., Seurin, P., Skoulios, A. Volume and X-ray diffraction study of cyanobenzylidene p,n octyloxyaniline (CBOOA) 9—55659
Guillon, D. *see* Cladis, P.E. 9—77730
Guillory, W.A. *see* Mitchell, M.B. 9—68228
Guillot, B., Bratos, S. Comparison of mono- and multi-molecular correlation functions of liquids and solutions 9—50971
Guillot, C. *see* Duc, T.M. 9—100020
Guillot, C. *see* Thiry, P. 9—74056
Guillot, G., Nouailhat, A. Dynamic equilibrium between F and F_2 centres in alkali halides at room temperature 9—51103
Guillot, G., Nouailhat, A. Kinetics of F-center formation and interstitial stabilization mechanism in alkali halides irradiated at 77K 9—69103
Guillot, G. *see* Nouailhat, A. 9—83036
Guillot, J. *see* Astre, P. 9—72862
Guillot, J. *see* Cartraud, M. 9—66035
Guillot, J.P. *see* Fumeron, M. 9—87640
Guillot, M., Feldmann, P., Le Gall, H., Minella, D. Temperature and high magnetic field dependence of the Faraday rotation in the terbium iron garnet 9—95736
Guillot, M., Marchand, A., Feldmann, P., Le Gall, H., Desvignes, J.M. Magnetic properties of single crystal erbium iron garnet 9—78341
Guillot, M. *see* Fadly, M. 9—82955
Guillot, M. *see* Picard, J. 9—61039, 9—65841
Guillot, P. *see* Marbouty, D. 9—96770
Guilmin, P. *see* Turban, L. 9—49174
Guimaraes, J.R.C. An analysis of the kinetics of athermal martensitic transformation in Fe-31.1% Ni-0.02%C 9—78965
Guimaraes, J.R.C., De Oliveira, F.F. Work-hardening and martensitic transformation in Fe-27% Ni-0.23% C at 263K 9—100143
Guimaraes, J.R.C., Gomes, J.C. Microstructural aspects of martensite transformation in coarse-grained Fe-31.1 pct Ni-0.02 pct C 9—56978
Guimaraes, J.R.C. *see* Meyers, M.A. 9—57039
Guimaraes, W.O.N. *see* Lin, C.T. 9—78661
Guin, J.A. *see* Chang, C.Y. 9—52750
Guin, M.S. A note on bending vibration of a viscoelastic tube containing flowing fluid 9—94521
Guinan, E.F., McCook, G.P. Analyses of the λ6575 and λ4870 light curves of 32 Cygni 9—88700
Guinan, E.F. *see* Dorren, J.D. 9—53820
Guinan, M.W., Violet, C.E., Kinney, J.H., Damask, A.C. Simulation of fusion reactor first wall enhanced diffusion by fission fragment irradiation of α-brass 9—63810
Guinet, P., Halotier, D., Perroud, P. Hydrogen storage by means of reversible magnesium alloys 9—74547
Guinier, A. Advances in X-ray and neutron diffraction techniques 9—67453
Guinier, A. General review of the experimental methods for the determination of atomic structures 9—68970
Guinn, J.A., Jr., Plass, G.N., Kattawar, G.W. Sunlight glitter on a wind-ruffled sea: further studies 9—53349
Guinn, V.P. *see* Izak-Biran, T. 9—52850
Guinness, E.A. *see* Jones, K.L. 9—80265
Guinot, J.C., Baerd, B., Billard, M. Ultrasonic imaging by Bragg diffraction 9—81664
Guiraldenq, P. *see* Juve-Duc, D. 9—55921, 9—95272
Guiraldenq, P. *see* Marze, A. 9—91615
Guiraldenq, P. *see* Treheux, D. 9—60542
Guiraldenq, P. *see* Vincent, L. 9—66056
Guiraud, F.O. *see* Decker, M.T. 9—84392
Guiraud, F.O. *see* Hogg, D.C. 9—66773
Guiraud, J.-P. Radiation condition for the three dimensional version of Longs model of lee waves 9—64674
Guiraud, J.-P. Potential of velocities generated by a localized vortex distribution 9—77134
Guiraud, J.-P., Zeytounian, R.Kh. Note on the formation and nonlinear evolution of a Tollmien-Schlichting wave packet 9—50739
Guiraud, J.-P., Zeytounian, R.Kh. A note on an instability mechanism for the core of a rolled vortex sheet 9—81901
Guiraud, R. *see* Delaunay, J. 9—74838
Guise, J.de *see* de Guise, J.
Guissani, Y. *see* Bouteiller, Y. 9—89672
Guitel, J.C. *see* Averbuch-Pouchot, M.T. 9—77560
Guitel, J.C. *see* Durif, A. 9—69077
Guitel, J.C. *see* Masse, R. 9—65051, 9—69071
Guittard, M. *see* Alapini, F. 9—78946
Guittard, M. *see* Barnier, S.B. 9—99080
Guittard, M. *see* Dugue, J. 9—73139
Guittard, M. *see* Flahaut, J. 9—86757
Guittard, M. *see* Tomas, A. 9—60335
Guittard, M. *see* Vovan, T. 9—77575
Guitton, J. *see* Barral, G. 9—83385
Guitton, J. *see* Ben Rais, A. 9—96224
Guiu, F. *see* Anglada, M. 9—59955
Guiu, F. *see* Shadrake, L.G. 9—90656
Guivarc'h, A. *see* Le Contellec, M. 9—90906
Guizzetti, G. *see* Nosenzo, L. 9—56770
Gujral, V.K. *see* Thompson, R.C. 9—82767
Guk, A.V., Kolennikov, P.I., Pilipovich, V.A. Device for data input to a holographic store based on a mosaic liquid-crystal controlled transparency 9—94182
Guk, Yu.N. *see* Lobanov, V.V. 9—51307
Gukasov, A.G. *see* Okorokov, A.I. 9—87257
Gukasov, A.G. *see* Toperverg, B.P. 9—65652
Gukhman, A.A., Kazenin, D.A. A contribution to the theory of the distributed thermocouple 9—93138
Gukhman, A.A., Vodynets, A.Z., Postnikov, V.M. Desublimation of vapour from the exhaust mixture during transverse flow around a circular cylinder 9—60051
Gukov, O.Ya. *see* Domashevskaya, E.P. 9—99984
Gukov, O.Ya. *see* Ugai, Ya.A. 9—95911
Gul, K., Waheed, A., Ahmad, M., Saleem, M., Khan, N.A. Inelastic scattering of 14.8 MeV neutrons from deuterons 9—80932
Gulacsik, C., Auth, D.C., Silverstein, F.E. Ophthalmic hazards associated with laser endoscopy 9—79598
Gulakov, I.P., Katushonok, S.S. A functional analog-digital converter for a pulsed atomic-absorption spectrophotometer taking nonselective absorption into account 9—57331
Gulakov, I.R., Katushonok, S.S., Klishchenko, A.P. Use of a pulsed lamp supply in atomic-absorption spectroscopy 9—57329
Gulamov, K.G. *see* Azimov, S.A. 9—67782
Gulamov, Sh.A. *see* Azimov, S.A. 9—51658
Gulari, E., Gulari, Er., Tsunashima, Y., Chu, B. Photon correlation spectroscopy of particle distributions 9—67456
Gulari, E., Gulari, Es., Tsunashima, Y., Chu, B. Polymer diffusion in a dilute theta solution. I. Polystyrene in cyclohexane. [Rayleigh spectroscopy] 9—90812
Gulari, E. *see* Chu, B. 9—58801, 9—58801
Gulari, Er. *see* Gulari, E. 9—67456
Gulari, Es. *see* Gulari, E. 9—90812
Gulati, S.T. *see* Duckworth, W.H. 9—96233
Gulbekyan, G.G. *see* Druin, V.A. 9—59101
Gul'binas, I.A. *see* Bal'kyavichyus, P.I. 9—56890
Gulbis, A.V. On the two-channel vibronic mechanism of the ferroelectric phase transitions in doped narrow gap semiconductors 9—56745
Gulbis, A.V., Kristofel', N.N. Estimation of the light induced refractive index change in a vibronic ferroelectric 9—91399
Gulbransen, E.A. *see* Huang, T. 9—96200
Gul'chuk, P.F. *see* Odarich, V.A. 9—73894
Guldbakke, S. *see* Klein, H. 9—81096
Guldbrandsen, T., Pedersen, H.J., Jacobsen, C.S. Error suppression in cavity perturbation measurements 9—88979
Guldner, Y., Rigaux, C., Dobrowolska, M., Mycielski, A., Dobrowolski, W. Interband $\Gamma_6 \rightarrow \Gamma_8$ magnetoabsorption in HgSe and $Hg_{0.985}Cd_{0.015}Se$ 9—82960
Gulens, J. *see* Champ, D.R. 9—84303
Gulev, I.A., Sidorin, Ya.S. Machine for testing materials under biaxial cyclic stress 9—52537
Gulgazaryan, K.A., Sarkisyan, S.T. Error monitor for photoelectric tracking systems 9—97373
Gulian, A.M., Zharkov, G.F. On the thermoelectric effect in a superconducting ring 9—65597
Guliev, N.A., Dzhafarov, I.G., Mekhtiev, B.I., Mustafaev, Kh.A. Experimental data and structure of neutral weak currents 9—49446
Gulis, I.M., Komyak, A.I., Demchuk, M.I., Dmitriev, S.M. Fluorescence decay of complex molecules with energy transfer in nonhomogeneous level broadening conditions 9—50073
Gulis, I.M., Komyak, A.I., Tomin, V.I. Electronic-excitation transport in inhomogeneously broadened levels in polyatomic organic molecules 9—54884
Gulish, O.K., Polandov, I.N. Phase transitions in triglycine sulfate-selenate solid solution under hydrostatic pressures 9—99840
Gulko, A.G. The spin of the charged particles 9—97542
Gull, T.R., Sofia, S. Discovery of two distorted interstellar bubbles 9—71088
Gull, T.R. *see* Feibelman, W.A. 9—58380
Gullberg, G.T. *see* Budinger, T.F. 9—66524
Gullino, P. *see* Goldstein, S.R. 9—92455
Gulliver, A.F., Bolton, C.T. Observations of *o* Andromedae. I. Radial velocities 9—58355
Gully, W.J. *see* Ahonen, A.I. 9—58704
Gully, W.J. *see* Edwards, D.O. 9—69312
Gulshani, P. Oscillator-like coherent states of an asymmetric top 9—58579
Gulshani, P. Generalized Schwinger boson realizations and the oscillator-like coherent states of the rotation groups and the asymmetric top 9—80743
Gulyaenko, A.B. *see* Bukreev, E.N. 9—87987
Gulyaev, A.M. *see* Gavrilin, V.I. 9—69336
Gulyaev, A.P., Fonshtein, N.M., Matrosov, Yu.I., Zhukova, E.N. Influence of sulphur on parameters of failure of lightly-alloyed pipe steel following controlled rolling 9—57086
Gulyaev, A.P., Golovanenko, Yu.S., Zikeev, V.N. Effect of the quantity of nonmartensitic transformation products on the resistance to fracture of quenched and tempered structural steels 9—96054
Gulyaev, A.P., Volynova, T.F., Georgieva, I.Ya. Phase transformations in high-purity Fe-Mn alloys 9—56979
Gulyaev, I.B., Zhdan, A.G. Nature of recombination barriers responsible for frozen-in conductivity 9—56245
Gulyaev, I.B. *see* Aleksandrov, A.L. 9—93113
Gulyaev, R.A. Properties of chromospheric formations observed in sodium D emission lines beyond the Sun's limb 9—96987
Gulyaev, S.A. Profile of the Hnβ radio lines in a static ion field 9—62740
Gulyaev, Y.V., Plessky, V.P. Shear surface acoustic waves in periodic structures on solids 9—90055
Gulyaev, Yu.V., Chusov, I.I. High-frequency effects in semiconductors with a strongly anisotropic distribution of electrons 9—65509
Gulyaev, Yu.V., Dvoryankina, G.G., Dvoryankin, V.F., Cherevatskii, N.Ya. Molecular beam epitaxy—a promising method for fabrication of integrated-optics devices. I. Injection lasers 9—90042
Gulyaev, Yu.V., Kurach, T.N., Plesskii, V.P. Interconversion of shear volume and surface acoustic waves at a periodically perturbed solid body surface 9—69332
Gulyaev, Yu.V., Zil'berman, P.E. Interpretation of experiments on spin-wave amplification 9—65668
Gulyaev, Yu.V., Zilberman, P.E., Raevskii, A.O. Theory of electron dragging by a spin wave in a layered medium 9—78124
Gulyaev, Yu.V. *see* Andreev, A.S. 9—76863
Gulyaev, Yu.V. *see* Bugaev, A.S. 9—51637
Gulyaeva, L.Yu. *see* Ishchenko, Zh.N. 9—94809
Gulyaeva, V.V. *see* Murashov, V.V. 9—52586
Gulyanitskaya, Z.F. *see* Zviadadze, G.N. 9—52758
Gulyayev, Yu.V., Zil'berman, P.Ye. Interaction of SHF spin waves and electrons in semiconductor-ferrite layered structures (review) 9—95507
Gul'yel'mi, A.V., Dovbnya, B.V., Klayn, B.I., Parkhomov, V.A. Stimulated excitation of Alfven waves in the near-Earth plasma by pulsed radio emission 9—58192
Guly'yel'mi, A.V., Zolotukhina, N.A. Generation of MHD waves of increasing frequency in the Earth's magnetosphere 9—62680
Gumanskii, G.A. *see* Sirota, N.N. 9—82469
Gumanskii, G.A. *see* Sud, P.K. 9—60660
Gumbs, G., Mavroyannis, C. A microscopic model for the three low-temperature phases of TTF-TCNQ 9—73303
Gumenyuk, A.F. *see* Golonzhka, V.N. 9—73885
Gumenyuk, B.P., Karnaukhov, V.G. On Parametric oscillations of viscoelastic rod 9—50624
Gumenyuk, V.A., Sukhorukov, B.I. Content of water in thin films of nitrogenous bases of nucleic acids. Ultramicro-quantitative determination using a quartz resonator 9—92439
Gumerman, L.W., Fogel, S.R., Goodman, M.A., Hanley, E.N., Jr., Kappakas, G.S., Rutkowski, R., Levine, G. Experimental fracture healing: evaluation using radionuclide bone imaging: concise communication 9—70613
Gumerman, P.S. *see* Glasgow, L.C. 9—62551
Gumhalter, B. Shake up and relaxation effects in core level photoelectron spectra of chemisorbed species 9—56910
Gumhalter, B. Line shapes and relaxation effects in core-level photoelectron spectra of chemisorbed species 9—69956
Gumhalter, B., Zlatic, V. Spatial variation of the extraorbital screening charge around chemisorbed atoms 9—60886
Guminetskii, S.G., Marchuk, Ya.P. Action spectrum of the nonlinear optical effect in plant leaves 9—57707
Guminetskii, S.G. *see* Zhitaryuk, V.G. 9—99961
Gumlich, H.-E. *see* Busse, W. 9—78743
Gummerson, R.J., Hall, C., Hoff, W.D., Hawkes, R., Holland, G.N., Moore, W.S. Unsaturated water flow with porous materials observed by NMR imaging 9—98840
Gummlich, H., Reich, H. German Federal regulation for sound insulation against aircraft noise 9—90083
Gumnitskiy, Ya.M. *see* Aksel'rud, G.A. 9—83443
Gumplinger, P., Schonfelder, V. Application of the Anger camera principle in a Compton telescope 9—80223
Gun, G.S. *see* Kandaurov, L.E. 9—52539
Gunder, O.A. *see* Biteman, V.B. 9—95825
Gundermann, S. *see* Bartels, W. 9—86608
Gundersen, H.J.G. *see* Jensen, E.B. 9—74804
Gundersen, M. *see* Bushnell, A.H. 9—50283
Gundersen, M. *see* Dougal, R.A. 9—72579
Gunderson, L.C. *see* Morrow, A.J. 9—50426
Gundlach, E.R., Hayes, M.O. Vulnerability of coastal environments to oil spill impacts 9—57509

Gundlach, K.H. *see* Kuriki, S. 9—87198
Gundry, P.M. *see* Holtom, R. 9—78836
Gunduz, E. *see* Scudieri, F. 9—86695, 9—94895
Gung Wei *see* Wei Gung
Gung-fu Dong *see* Dong Gung-fu
Gunion, J. *see* Brodsky, S.J. 9—49565
Gunion, J.F. *see* Frazer, W.R. 9—71706, 9—89129
Gun'ko, L.P., Kokorin, V.V., Nemoshkalenko, V.V., Tomashevskii, N.A., Khar'kova, L.E., Chuistov, K.V. Peculiarities in structural state of aged Fe-30% Ni-4% Al alloy 9—57008
Gunn, D.J. *see* Farid, M.M. 9—86502
Gunn, J.E., Griffin, R.F. Dynamical studies of globular clusters based on photoelectric radial velocities of individual stars. I. M3 9—75251
Gunn, J.E., Knapp, G.R., Tremaine, S.D. The global properties of the Galaxy. II. The galactic rotation parameters from 21-cm H I observations 9—97079
Gunn, J.E. *see* Schechter, P.L. 9—53902
Gunn, J.E., III *see* Fulghum, D.P. 9—64417
Gunn, J.M.F., Inkson, J.C. Collective excitations in tighly bound insulators 9—51492
Gunnarsson, G. *see* Altman, L.J. 9—76447
Gunner, C.W., Hulton, W.C., Burlin, T.E. An apparatus for measuring the recoil characteristics of human skin in vivo 9—57698
Gunner, C.W., Hutton, W.C., Burlin, T.E., Williams, E.W. The effects of some clinical treatments on the mechanics of skin 9—100644
Gunnerson, F.S., Cronenberg, A.W. A thermodynamic prediction of the temperature for film boiling destabilization and its relation to vapor explosion phenomena 9—49667
Gunnerson, F.S., Cronenberg, A.W. On the thermodynamic superheat limit for liquid metals and its relation to the Leidenfrost temperature 9—55325
Gunning, W.J., Heeger, A.J. Infrared reflectance of irradiated TTF-TCNQ: a comparison of the optical and low frequency transport 9—51961
Gunnink, R. Gamma spectrometric methods for measuring plutonium 9—81068
Gunter, P. Near-infrared noncritically phase-matched second-harmonic generation in $KNbO_3$ 9—72620
Gunter, P. *see* Krumins, A. 9—72528
Gunthard, H.H. *see* Luntz, A.C. 9—83446
Gunthard, H.H. *see* Meyer, R. 9—97986
Gunthard, H.H. *see* Schweiger, A. 9—72341
Gunthard, Hs.H. *see* Dubs, M. 9—76425
Gunthard, Hs.H. *see* Kuhne, H. 9—93997
Gunther, H. Geometrical theory of the structural defects of solids 9—84954
Gunther, K. The contribution of lines to the total emission coefficient of xenon plasmas 9—77346
Gunther, M. *see* Scherf, G. 9—75588
Gunther, N.J. Unitary declension of dynamical symmetries for the time-dependent harmonic oscillator 9—89074
Gunther, T. *see* Gramberg, U. 9—49245
Gunther, W., Huber, K., Kneissl, U., Krieger, H., Schulz, S. Applicability of a simple parallel plate avalanche detector to photofission experiments 9—76263
Gunther, W. *see* Stein, G. 9—96256
Guntherodt, G. Light scattering in magnetic semiconductors 9—61372
Guntherodt, G. *see* Keller, R. 9—56272
Guntherodt, G. *see* Merlin, R. 9—95782, 9—95784
Guntherodt, H.-J. *see* Oelhafen, P. 9—74062
Guntherodt, H.-J. *see* Schlegel, A. 9—87464
Gunton, J.D. *see* Kawasaki, K. 9—60480
Gunyaev, G.M. Polycomponent high-modulus composites 9—52329
Gunyaev, G.M. Improving transverse tensile, interlaminar shear, and compressive strengths of karbovoloknits 9—87691
Gunyaev, G.M., Makhmotov, I.M., Sorina, T.G., Stepanychev, E.I., Surgucheva, A.I., Finogenov, G.N. Effect of whiskerization of a polymer matrix on the creep resistance of carbon plastics under tensile stress 9—87699
Gunye, M.R., Warke, C.S. Effect of number conservation on high spin states and nuclear deformation 9—89225
Gunzig, E., Nardone, P. Role of conformal (non) invariance in graviton production by cosmological background 9—49131
Gunzig, E. *see* Brout, R. 9—53945
Guo, J.C. *see* Barber, D.P. 9—89175, 9—97631
Guo Ben-yu Difference method for solving two-dimensional vorticity equation 9—50729
Guo Ben-yu On difference methods in fluid dynamics. I. Numerical solution of two-dimensional vorticity equation 9—72895
Guo Han-Ying *see* Chen Shi 9—93021, 9—93027
Guo Han-Ying *see* Yan Mu-Lin 9—93026
Guo Hanying *see* Zou Zhenlong 9—80493
Guo Hoi-Qun, Zhao Jian-Gao, Wang Zhen-Xi, Xie Kan, Shen Bao-Gen The giant magnetostriction of $(Tb,Dy)Fe_2$ alloys 9—51830
Guo Jinji Analysis of fluid flowing between two flat [plates] for fluid control measurement 9—81997
Guo Ke-Xin, Lin Bao-Jun Movement and interactions of dislocations in nickel-chromium alloys 9—51110
Guo Ke-xin *see* Zhou Jing 9—74178
Guo Ke-xin *see* Zou Ben-san 9—90669
Guo Shuohong, Li Huazhong Pseudoparticle physics 9—63378
Guo Ten-Huei *see* Ten-Huei Guo
Guo Yong-fen *see* Wei Ming-xiu 9—90616
Guo Yuan-Heng, Wu Si-Cheng An approach to the nonlinearity of ionization vacuum gauge at upper pressure limit 9—71471
Guo Zhong-Heng Similar isoparametric elements 9—92943
Guo Zhong-heng, Zhang Yan Finite-amplitude shearing oscillations of a thick-walled cylindrical tube made of elastic incompressible material 9—64555
Guo Zi-Qiang *see* Wang Shui 9—88238
Guo-bin Liu *see* Liu Guo-bin
Guo-Dong Zhang *see* Zhang Guo-Dong
Guo-Liang Zhu *see* Zhu Guo-Liang
Guo-ping Liang *see* Liang Guo-ping
Guo-ren Dou *see* Dou Guo-ren
Guo-Sheng Zhou *see* Zhou Guo-Sheng
Guo-shui Pan *see* Pan Guo-shui
Guo-ying Fan *see* Fan Guo-ying
Guo-Ying Sheng *see* Sheng Guo-Ying
Guo-Zheng Yang *see* Yang Guo-Zheng
Guo-zhong Xia *see* Xia Guo-zhong
Guozhi Zhou *see* Zhou Guozhi
Gupalo, Yu.P., Polyanin, A.D., Ryazantsev, Yu.S. Mass transfer interaction of moving particles in a reactive dispersive system 9—64738
Gupalo, Yu.P., Polyanin, A.D., Ryazantsev, Yu.S. Diffusion to a chain of drops (bubbles) at large Peclet numbers 9—86489
Gupalo, Yu.P., Ryazantsev, Yu.S., Sergeev, Yu.A. Growth of bubbles in a fluidized bed with a nonlinear interphase interaction 9—68798
Gupt, C., Shivpuri, R.K. Dependence of cluster size on inelasticity and strength of correlation on inelasticity and dispersion in rapidity in cosmic-ray interactions 9—63566
Gupt, C., Shivpuri, R.K. Cluster size and strength of correlation dependence on multiplicity in cosmic-ray interactions 9—101038
Gupt, C. *see* Shivpuri, R.K. 9—63550
Gupta, A. *see* Kirfel, A. 9—55702
Gupta, A.B. *see* Shih Yi Wang 9—53186
Gupta, A.Das *see* Das Gupta, A.
Gupta, A.K., Rao, K.V. Some physical properties of hot-pressed CaF_2 9—56720
Gupta, A.K., Singh, K. Influences of primary coma on partially coherent imagery: truncated bar targets 9—76609
Gupta, A.K., Srivastava, A. Feasibility study of a reverse flow sensing probe 9—98838
Gupta, A.K., Veena An anomaly in the viscosity behavior of poly-γ-benzyl-L-glutamate in dioxane 9—82371
Gupta, A.K. *see* Rao, K.V. 9—99814
Gupta, A.N. Effect of halide ions on cathodic characteristics of germanium electrode 9—57238
Gupta, A.S. *see* Annapurna, N. 9—72953
Gupta, A.S. *see* Chakrabarti, A. 9—72956
Gupta, B.K., Raza, A., Mathur, S.S., Agnihotri, O.P. Preparation and properties of pure and tin doped indium oxide selective coatings 9—62034
Gupta, B.K. *see* Agnihotri, O.P. 9—56926, 9—60917
Gupta, B.K. *see* Gupta, S.K. 9—96186
Gupta, B.K. *see* Lacha Goud, S. 9—76417
Gupta, B.K. *see* Sodha, M.S. 9—68959
Gupta, B.M., Sharma, K.D. Data activities in science and technology 9—49012
Gupta, C.L., Jauhri, S.M. Passive solar heating and cooling for poultry sheds 9—70437
Gupta, C.L., Santhanam, V.C., Reddy, T.A. Performance prediction model for a solar pump 9—70460
Gupta, C.L. *see* Garg, H.P. 9—62087
Gupta, C.P. *see* Saini, J.S. 9—62080, 9—62136
Gupta, D. A review of physical protection program in the Federal Republic of Germany [nuclear facilities safety] 9—89450
Gupta, D., Prasad, R.S. Electrical conductivity of shellac platina 9—99645
Gupta, D. *see* Bham, W. 9—85747
Gupta, D.K., Sharma, D.K., Lal, K.B. Mossbauer studies of europium compounds 9—99801
Gupta, G.D. *see* Narayanan, T.V. 9—66410
Gupta, G.P. Solar X-ray control of the ionospheric absorption measured by the sweep frequency method 9—84582
Gupta, G.P., Dickson, D.P.E., Johnson, C.E. Temperature variation of the field-dependent spin reduction in the one-dimensional antiferromagnets: K_2FeF_5 and Rb_2FeF_5 9—78586
Gupta, G.P., Dickson, D.P.E., Johnson, C.E. Magnetic and electric-field gradient axes in the one-dimensional antiferromagnet K_2FeF_5 9—78587
Gupta, G.P., Mathur, K.C. Electron impact excitation of the 2^1S state of helium at intermediate energies 9—59583
Gupta, G.P., Mathur, K.C. Differential cross sections for the elastic scattering of positrons by hydrogen atoms 9—86028
Gupta, G.P., Mathur, K.C. Differential cross section for the elastic scattering of electrons and positrons by helium atoms at intermediate energies 9—98221
Gupta, G.P. *see* Ilias, D.J. 9—75029
Gupta, G.S., Chopra, V.K. Biological damage in spleen by iodine-125 after partial blockage of thyroid of rats 9—96631
Gupta, H.M., Leal Ferreira, G.F. On the theory of bleaching of WO_3 electrochromic films by an electric field 9—99852
Gupta, H.M. *see* Tripathi, K.C. 9—65776
Gupta, H.M.Sen *see* Sen Gupta, H.M.
Gupta, H.N., Upadhyaya, R.S. A critical study of dynamical properties of ionic crystals 9—77702
Gupta, H.V. *see* Mukherjee, A.K. 9—100845
Gupta, J. *see* Banerjee, M.B. 9—77267
Gupta, J.C., Loomer, E.I. Influence on AE index of substorms appearing north of Cambridge Bay 9—75054
Gupta, J.J., Trikha, S.K. Rethermalization of neutrons in water-graphite system 9—97806
Gupta, J.P. *see* Narsimhan, G. 9—77219
Gupta, J.R. *see* Banerjee, M.B. 9—55311, 9—55312, 9—77128, 9—77286
Gupta, K. *see* Saha, A.K. 9—88536
Gupta, K.C., Mirakhur, R.K., Sathe, A.P. A simple solar tracking system 9—62122
Gupta, K.D. *see* Bahgat, A.A. 9—89052
Gupta, K.K. *see* Bahuguna, R.D. 9—81373
Gupta, K.S. *see* Basuray, A. 9—81543
Gupta, L.C. *see* Grover, A.K. 9—65643, 9—65745
Gupta, L.C. *see* Sampathkumaran, E.V. 9—61246
Gupta, M. Resonances in generalized susceptibility and phonon anomalies in YS 9—60443
Gupta, M., Dubey, G.K., Sharma, H.S. Laminar free convection flow with and without heat sources through coaxial circular pipes 9—86431
Gupta, M. *see* Daley, C.G. 9—83930
Gupta, M.C., Ruoff, A.L. Film-thickness effect on the calculation of pressure using Hertz's law 9—55821
Gupta, M.C., Ruoff, A.L. Static compression of Al_2O_3 to 1.2 Mbars (120 GPa) 9—55822
Gupta, M.C. *see* Domkundwar, V.M. 9—50764
Gupta, M.C. *see* Gandhidasan, P. 9—57464, 9—62025, 9—68709
Gupta, M.H. *see* Mohana Shankar, P. 9—76606
Gupta, M.K., Gupta, V.D. Vibrational spectra of oligomers of glycine, alanine and proline in relation to their polymeric forms 9—83695
Gupta, M.L. *see* Bansal, J.L. 9—55424, 9—77261
Gupta, M.L. *see* Bhatia, A.L. 9—57719
Gupta, M.M., Manohar, R.P. Boundary approximations and accuracy in viscous flow computations 9—64621
Gupta, M.P., Sinha, A.P.B., Kanetkar, S.M., Date, S.K., Nigavekar, A.S. Evidence of electron exchange between Fe^{2+} and Fe^{3+} ions on tetrahedral and octahedral sites in Fe_2MoO_4 9—78585
Gupta, M.R. Exact inverse scattering solution of a non-linear evolution equation in a non-uniform medium 9—84965
Gupta, M.R. *see* Som, B.K. 9—77362
Gupta, M.S. Thermodynamic limits to nonlinearity: lossless energy-storing systems [varactors] 9—54090
Gupta, M.Sen *see* Sen Gupta, M.
Gupta, N., Martis, R.J.J., Sankar, S.G., Rao, V.U.S. Ternary and quaternary rare earth cobalt magnetic materials with low reversible temperature coefficients 9—82822
Gupta, N. *see* Martis, R.J.J. 9—51814
Gupta, N.D.Sen *see* Sen Gupta, N.D.
Gupta, N.K., Kumar, A. Giant cells in the liver of Indian desert gerbil (Meriones hurrianae jerdon) following radiocalcium administration 9—92299
Gupta, N.K. *see* Mitchell, R. 9—70627
Gupta, N.P. The effect of 3-body forces and anharmonicity on the phonon spectrum of solid argon 9—77706
Gupta, O.P. *see* Kharoo, H.L. 9—73270, 9—99278
Gupta, P.C., Arrawatia, M.L., Sisodia, M.L. Microwave absorption and relaxation processes of some simple liquids and their mixtures 9—82920
Gupta, P.D. *see* Goel, S.K. 9—98945
Gupta, P.K. *see* Bhargava, R.D. 9—72808
Gupta, P.N. A few materials for acoustic lenses for use in acoustic imaging 9—72771
Gupta, P.N., Tolpadi, S.K. Electromagnetic wave propagation in rectangular waveguide containing an inhomogeneous semiconductor plasma 9—68928
Gupta, R. Lattice vibrational spectrum of diamond 9—90741
Gupta, R.C. *see* Misra, V. 9—82881
Gupta, R.G., Mendiratta, R.G., Sekhon, S.S., Kamal, R., Suri, S.K., Ahmad, N. Magnetic resonance studies on $(PbO.2B_2O_3)_{1-x}(Fe_2O_3)_x$ glasses 9—78509
Gupta, R.K. Potential feedback in field-effect devices 9—56290
Gupta, R.K. Current carrying non-Newtonian fluid past a nonconducting sphere at low Reynolds number 9—64784

Gupta, R.K., Deshpande, A.M., Barve, K.M. Development of 1 kW solar powered reciprocating engine for rural applications 9—74536
Gupta, R.K., Mohan, B., Vernekar, K.G. Thermal structure features of double stratopauses over Thumba 9—100901
Gupta, R.K., Singh, A.K. Modes of vibrations due to single ion substitutional impurities in alkali halides 9—51225
Gupta, R.K., Singh, A.K. Enhancement in specific heat due to anion impurities in KCl 9—51274
Gupta, R.K., Singh, A.K. Modes of vibrations due to (U-center+additive cation impurities) in alkali halides 9—77710
Gupta, R.P., Benedek, R. Impurity scattering and residual resistivity of transition metals 9—56192
Gupta, R.P., Chandra, S.K. Development of 1 kW vertical axis wind generator 9—61940
Gupta, R.S. *see* Vora, R.A. 9—90546
Gupta, S., Mueller, A.H. High-energy predictions in quantum chromodynamics 9—89128
Gupta, S. *see* Johri, G.K. 9—98073
Gupta, S. *see* Pearl, J. 9—92704
Gupta, S.C. Unsteady flow of a dusty gas in a channel whose cross-section is an annular sector 9—77247
Gupta, S.C. *see* Bennikutty, S. 9—93522
Gupta, S.C. *see* Dham, A.K. 9—98848, 9—98849
Gupta, S.C. *see* Rao, N.K. 9—76024
Gupta, S.Das *see* Das Gupta, S.
Gupta, S.K. Periodogram analysis of light curves of 44 Tau 9—84799
Gupta, S.K., Dharmani, R.L., Rana, V.D. Creep transition in torsion 9—59929
Gupta, S.K., Gingerich, K.A. Knudsen effusion mass spectrometric determination of the dissociation energy of diniobium, Nb_2(g), and the heat of sublimation of solid niobium 9—81297
Gupta, S.K., Gupta, B.K. The critical soil moisture content in the underground corrosion of mild steel 9—96186
Gupta, S.K., Kapil, A.K., Singal, C.M., Srivastava, V.K. Measurement of the work function of some metals using internal voltage in MIM structures 9—82684
Gupta, S.K., Kumar, A., Goel, R. Chain length effects in the excluded volume of polymer chains having a generalized molecular architecture 9—59607
Gupta, S.K., Pandey, S.D. Dielectric loss in RbCl crystals doped with Co^{2+} ions 9—91348
Gupta, S.K., Prasad, M.A. Electron transport in one-dimensional finite systems 9—54077
Gupta, S.K., Tiwari, S.N. Estimation of surface temperature in remote pollution measurement experiments 9—70854
Gupta, S.K. *see* Banerjee, M.B. 9—77267
Gupta, S.K. *see* Chakrabarty, D.R. 9—63668
Gupta, S.K. *see* Kapil, A.K. 9—76532
Gupta, S.K. *see* Kingcade, J.E., Jr. 9—70360
Gupta, S.K. *see* Sootha, G.D. 9—65738
Gupta, S.K. *see* Soundalgekar, V.M. 9—50724, 9—90347
Gupta, S.N., Radford, S.F. Improved gravitational coupling of scalar fields 9—49151
Gupta, S.N. *see* Mishra, P. 9—68813, 9—68814
Gupta, S.N. *see* Pandey, D.K. 9—68552
Gupta, S.P.Sen *see* Sen Gupta, S.P.
Gupta, S.R.Das *see* Das Gupta, S.R.
Gupta, S.S., Srivastava, N.C. Physics of microwave reflection at a dielectric-ferrite interface 9—76557
Gupta, S.S.das *see* das Gupta, S.S.
Gupta, T.K. *see* Santhanam, A.T. 9—55750
Gupta, U.C. *see* Kondal Rao, N. 9—49806
Gupta, U.C. *see* Misra, S.C. 9—59055
Gupta, U.S., Lal, R. Vibrations and buckling of parabolically tapered circular plates 9—64540
Gupta, U.S., Lal, R. Axisymmetric vibrations of linearly tapered annular plates under an in-plane force 9—94537
Gupta, U.S. *see* Laura, P.A.A. 9—81774
Gupta, V.B., Kumar, S. The elastic modulus of poly(ethylene terephthalate) fibers 9—79019
Gupta, V.B., Kumar, S. Orientation distribution of crystallites in polyethylene terephthalate fibers 9—86722
Gupta, V.D. *see* Gupta, M.K. 9—83695
Gupta, V.D. *see* Mehrotra, C. 9—77745
Gupta, V.K., Tiwari, N.K., Tyagi, H.R. Heat transfer analysis of flat plate type domestic solar water heater 9—62141
Gupta, V.K., Tyagi, H.R., Tiwari, N.K. Single room heating by solar radiation 9—62142
Gupta, V.K. *see* Daftari, I.K. 9—89302
Gupta, Y.P., Singh, D.P., Singh, Y.P., Singh, N.B. Zone melting studies of $FeCl_3$ impurity in $ZnCl_2$ 9—52111
Gupta, Y.P. *see* Daljit Singh 9—62088
Gur, D., Bukovitz, A.G., Rosen, J.C., Holmes, B.G. Relative measurements of fast neutron contamination in 18-MV photon beams from two linear accelerators and a betatron 9—59284
Gur, D., Bukovitz, A.G., Serago, C. Photon contamination in 8-20-MeV electron beams from a linear accelerator 9—59285
Guralnik, G.S. *see* Bender, C.M. 9—58880, 9—89063
Guram, G.S., Anwar, M. Steady flow of a micropolar fluid due to a rotating disc 9—72897
Gurari, M.L., Golikov, A.P., Prytkov, S.I. Measurement of the curvature radii and local distortions of mirror surfaces 9—76796
Gurari, M.L., Khodorkov, I.L., Rukman, G.I., Potekhin, G.S., Lushchikov, I.I., Suedova, L.M. Technique and equipment for dispersion analysis of cryosols and suspended microadmixtures in cryogenic liquids 9—75535
Gurbatov, S.N., Malakhov, A.N. Feasibility of using parametric mode interaction for the enhancement of weak acoustic signals 9—94391
Gurbatov, S.N., Pelinovskii, E.N., Saichev, A.I. Problem of closure of the equations for the average fields in nonlinear media containing chaotic inhomogeneities 9—81601
Gurbatov, S.N., Shepelevich, L.G. Spectra of discontinuous noise waves 9—94389
Gurbich, A.F. *see* Gyarmati, B. 9—85469
Gurbich, G.S. *see* Vygodskii, Ya.S. 9—57231
Gurebich, L.Z., Dynkin, S.D. Effect of a gravitational field on the motion and radiation of relativistic particles in a magnetic field and an electric field parallel to it 9—97269
Gureev, D.M., Zasavitskii, I.I., Matsonashvili, B.N. Dismountable magnetooptical cryostat with superconducting solenoid at 83 kOe 9—71461
Gureev, D.M., Zasavitskii, I.I., Matsonashvili, B.N., Shotov, A.P. Radiative recombination in $Pb_{1-x}Sn_xTe$ solid solutions 9—52016
Gureev, D.M., Zasavitsky, I.I., Matsonashvili, B.N., Shotov, A.P. Photoluminescence of $Pb_{1-x}Sn_xTe$ solid solutions in magnetic field 9—83033
Gureev, K.G., Petviashvili, V.I. Heating a plasma column by a powerful, shaped pulse of magneto-acoustic waves 9—55522
Gureev, K.G. *see* Vikhrev, V.V. 9—77354
Gurei, V.M. *see* Babei, Yu.I. 9—52435
Gur'ev, A.V., Mitin, V.Ya. Features of development of nonuniform microscopic strains and fatigue damage accumulation in carbon steels 9—91770
Gur'ev, A.V., Savkin, A.N. Summation of fatigue damage accompanying nonstationary modes of cyclical loading of carbon steels 9—52349
Gur'ev, A.V., Savkin, A.N. Effect of short-term cyclic overloads on the fatigue strength and damping capacity of carbon steels 9—66157
Gur'ev, K.I., Martynov, A.S., Kovner, M.A. Theory of the vibronic luminescence and absorption spectra of molecules with hindered internal rotation 9—54883
Gur'ev, V.N. 2^+-resonances in two-particle photodecomposition reactions of the ^{4}He nucleus 9—59052
Gur'ev, V.V. *see* Gornostaev, B.D. 9—76130
Gur'ev, V.V. *see* Velikhov, E.P. 9—71954, 9—76122
Gur'ev, Yu.L., Chubarov, D.N. Determination of thermal conductivity and diffusivity from measurements of unsteady temperatures 9—94476
Gurevich, A.G., Anisimov, A.N. Spin-wave relaxation processes 9—82771
Gurevich, A.G. *see* Nikiforov, K.G. 9—69730
Gurevich, A.V., Dimant, Ya.S., Dnestrovskii, Yu.N., Smirnov, A.P. Influence of an electric field on the distribution function of fast electrons 9—98860
Gurevich, A.V., Krylov, A.L. Electric field and currents in the high-latitude ionosphere 9—80075
Gurevich, A.V. *see* Vas'kov, V.V. 9—58159
Gurevich, G.L., Kogan, A.L. Nonlinear effects in amplifying Gunn diodes 9—51622
Gurevich, G.L. *see* Aleksandrovich, G.Ye. 9—81640
Gurevich, G.M., Danilyuk, Yu.L., Kovarskii, A.P. Plasma source for bombardment of solids by positive and negative ions 9—85196
Gurevich, I.G. On the theory of stabilising fuel cell battery voltage on the basis of the electrolyte. I. Stabilisation methods and relations describing them 9—70467
Gurevich, I.I., Ivanter, I.G., Nikolsky, B.A., Ponomarev, A.N., Roganov, V.S., Selivanov, V.I., Suetin, V.A. The paramagnetic states (μ^+e^-) in silicon and tellurium at high temperature 9—56676
Gurevich, I.I., Klimov, A.I., Maiorov, V.N., Meleshko, E.A., Nikol'skii, B.A., Selivanov, V.I. Exact determination of the hyperfine splitting frequency of muonium in quartz 9—91332
Gurevich, I.I. *see* Grebinnik, V.G. 9—56667, 9—56694, 9—87369
Gurevich, L.I. *see* Gromov, V.E. 9—52532
Gurevich, M.E., Dubovitskaya, N.V., Zakharov, S.M., Larikov, L.N. Dislocation-free channels produced in deformed molybdenum single crystal under the influence of heat pulses 9—52251
Gurevich, M.E., Larikov, L.N., Tyshkevich, V.M., Fal'chenko, V.M. Studies of krypton diffusion in aluminium by the method of radioactive isotopes 9—65258
Gurevich, M.E., Mitsek, A.I., Zhuravlev, A.F. Anomalies in thermal expansion and heat capacity of ferromagnets 9—73744
Gurevich, M.M., Bernotas, V. Measurement of color contrasts 9—71508
Gurevich, N.Yu. *see* Tsirlin, Yu.A. 9—72204
Gurevich, V.A., Ivanov, B.A., Sukstanskii, A.L. Dynamics of domain walls in a cubic ferromagnet 9—73770
Gurevich, V.L. *see* Gantsevich, S.V. 9—54043
Gurevich, V.M., Lifanov, I.I., Posnov, N.P. An extrapolated estimate for calculating the thermal expansion of solids at high temperatures 9—86909
Gurevich, V.M., Pitskel', B.S., Ratmirov, V.A. An information criterion for selecting the number of points in workpiece monitoring 9—67274
Gurevich, Yu.G., Frage, N.R., Germanyuk, N.V. Thermodynamic analysis of process of chlorination of Fe-Cr alloy 9—52168
Gurevich, Yu.G., Shal'man, E.Yu. Certain effects occurring during boundary-layer control on a section of a surface 9—77060
Gurevich, Yu.G. *see* Vakser, A.I. 9—91127
Gurevich, Yu.M. Frequency dependence of parameters measured by a method of induced polarisation 9—74836
Gurevich, Yu.Ya., Ivanov-Shits, A.K. Electronic self-discharge currents in systems with solid electrolytes 9—100502
Gurevich, Yu.Ya., Kharkats, Yu.I. Temperature behavior of adsorption as described by the generalized Frumkin isotherm 9—90886
Gurew, W.W. *see* Berlin, A.A. 9—56951
Gurewitz, E., Shapiro, S.M., Kupferberg, L.C., Parks, R.D. Evidence of a multiple q structure in $CeAl_2$ 9—78330
Gurewitz, E. *see* Atzmony, U. 9—99707
Gurewitz, E. *see* Pinto, H. 9—69059
Gurganus, E.A. *see* Whitlock, C.H. 9—66832
Gurgiolo, C., Lin, C.S., Mauk, N., Parks, G.K., McIlwain, C. Plasma injection and diamagnetism 9—80085
Gurgiolo, C. *see* Parks, G.K. 9—75014
Gurin, V.N. *see* Weill, G. 9—87101
Gurinovich, G.P. *see* Bondarev, S.L. 9—56837
Gurinovich, G.P. *see* Shul'ga, A.M. 9—53019
Gurinovich, G.P. *see* Timinskii, Yu.V. 9—57582
Gurinovich, I.F., Grubina, L.A. Dark transition of the products of the first level of reduction of the porphyrins to the second 9—53020
Gurm, H.S. *see* Jain, A.R. 9—84576, 9—88539
Gurmukh Singh *see* Bhatia, V.S. 9—84671
Gurnett, D.A. Electromagnetic plasma wave emissions from the auroral field lines 9—88556
Gurnett, D.A., Anderson, R.R., Scarf, F.L., Fredricks, R.W., Smith, E.J. Initial results from the ISEE-1 and -2 plasma wave investigation 9—58199
Gurnett, D.A., Kurth, W.S., Scarf, F.L. Auroral hiss observed near the Io plasma torus 9—92709
Gurnett, D.A., Marsch, E., Pilipp, W., Schwenn, R., Rosenbauer, H. Ion acoustic waves and related plasma observations in the solar wind 9—80182
Gurnett, D.A., Neubauer, F.M., Schwenn, R. Plasma wave turbulence associated within an interplanetary shock 9—53700
Gurnett, D.A. *see* Kurth, W.S. 9—84590, 9—96878
Gurnett, D.A. *see* Scarf, F.L. 9—96954
Guro, G.M. *see* Gudzenko, L.I. 9—75322
Gurol, H. Validity of rate theory as used in irradiation studies 9—55777
Gurol, H. Application of the Langevin method to void growth 9—77632
Gurol, H. Transport theory formulation of the rate equations 9—95050
Gurov, G.G. Recapture and moderation of protons on the decay of the magnetic field in the acceleration of the Institute of High-Energy Physics 9—68062
Gurov, G.G. Controlling the energy distribution of the beam at the plateau of the magnetic field of the Institute of High-Energy Physics Proton Synchrotron 9—72128
Gurov, K.P. *see* Belyaev, G.V. 9—78243
Gurov, K.P. *see* Neverov, V.I. 9—99373
Gurov, S.E. *see* Gladtsin, M.M. 9—75495
Gurov, V.V. *see* Fedorova, Zh.N. 9—52640
Gurov, Yu.V. *see* Bogatov, A.P. 9—64227, 9—68394, 9—76713
Gurr, H.S. *see* Pasierb, E. 9—80828
Gursakas, A.A. *see* Pelikh, L.N. 9—95702
Gurskaya, G.V., Grokhovskii, S.L., Zhuze, A.L., Gottikh, B.P. Crystal and molecular structure of an analog of distamycin A 9—88051
Gurskii, G.V., Zasedatelev, A.S. Exact relations for calculating the binding of the regulatory proteins and other lattice ligands in double-stranded polynucleotides 9—92123
Gursky, H. *see* Dupree, A.K. 9—67067
Gursky, H. *see* Giacconi, R. 9—70941
Gursky, H. *see* Raymond, J.C. 9—67051
Gursky, Z.A. On coordinated account of all contributions of the same order of smallness in analysis of atomic properties of solid states by the pseudopotential method 9—60674

Gurtin, M.E. On the energy release rate in quasi-static elastic crack propagation 9—68661
Gurtin, M.E. Thermodynamics and the Griffith criterion for brittle fracture 9—77020
Gurtin, M.E., Yatomi, C. On a model for two phase diffusion in composite materials 9—55936
Gurtler, J., Dorschner, J., Friedemann, C. Dust temperatures in infrared sources showing the 10-micrometer silicate feature in absorption 9—101217
Gurtler, J. *see* Dorschner, J. 9—80344
Gurtler, R. *see* Legge, R. 9—100048
Gurtovoi, K.G. Phase transition in CoF_2 subjected to a transverse magnetic field 9—65676
Gurtsiev, S.I. *see* Berlin, A.A. 9—65461
Gurtu, A., Gavillet, P., Armenteros, R., Diaz, J., Dionisi, C., Mazzucato, M., Montanet, L., Trepagnier, P., Blokzijl, R., Jongejans, B., Metzger, W.J., Pols, C.L., Schotanus, D.J., Foster, B., Grossmann, P., Wells, J. Production and decay properties of the D(1285) meson in K^-p interactions at 4.2 GeV/c 9—49517
Gurtu, A. *see* Mazzucato, M. 9—89148
Gurtu, A. *see* Rangaswamy, T.N. 9—54351
Guru Murthy, G.R. *see* Govinda Raju, G.R. 9—94831
Gururaja, J. *see* Ramachandran, A. 9—57365
Gururaja, J. *see* Srinivas, K. 9—64649
Guruswamy, P., Yang, T.Y. A sector finite element for dynamic analysis of thick plates 9—72845
Guruswamy, V., Bockris, J.O'M. Towards the design of contrived photosynthesizers 9—52953
Gurvich, A.K. Principles for recording of the nominal length and nominal height of defects in the ultrasonic inspection of welded joints 9—52577
Gurvich, A.K., Shcherbinskii, V.G. Progress of ultrasonic flaw detection in welded joints in the USSR (survey) 9—87768
Gurvich, A.S., Ershov, A.T. On the radiothermal radiation of the atmosphere during waveguide propagation 9—88406
Gurvich, A.S., Kan, V., Pokasov, V.V. Two-frequency fluctuations of light intensity in a turbulent medium 9—98280
Gurvich, A.S., Kan, V., Tatarskii, V.I., Zavorotnyi, V.U. Four-point field coherence function in a turbulent medium 9—98279
Gurvich, A.S. *see* Tatarskii, V.I. 9—98278
Gurvich, Ya.A. *see* Chetkina, L.A. 9—86783
Gurvich, Ye.G. *see* Katargin, N.V. 9—52841
Gurvitz, S.A. Large-angle pd scattering cross section and analyzing power 9—80917
Gurvitz, S.A. Noneikonal approach to the scattering of hadrons for nuclei. II. pd scattering at intermediate energy 9—80930
Gur'yan, Yu.A., Mazets, E.P., Sokolov, I.A., Aptekar', R.L., Panov, V.N. Gamma telescope of the 'Kosmos-461' satellite 9—97480
Gur'yan, Yu.A. *see* Mazets, E.P. 9—58449, 9—88765, 9—88766
Gur'yanov, A.N., Devyatykh, G.G., Dianov, E.M., Kornienko, L.S., Nikitin, E.P., Prokhorov, A.M., Rybaltovskii, A.O., Chernov, P.V., Yushin, A.S. Radiation-optical stability of low-loss glass-fiber waveguides 9—64345
Gur'yanov, A.N. *see* Alferov, Zh.I. 9—64346
Gur'yanov, A.N. *see* Belov, A.V. 9—59857
Guryanov, V.M., Karev, E.A., Pyatnitsyna, V.M. Digital processing of CDP seismic data for curvilinear reflecting boundaries 9—84534
Gur'yanov, V.V. *see* Maksimov, S.P. 9—63249
Gurylev, V.V., Pronyakina, L.S., Seliverstov, V.P. Determining the porosity of copper platings on thin steel filament 9—70239
Gurzadyan, G.A. On the infrared observations of stellar flares 9—75216
Gurzadyan, G.A. On the far-ultraviolet radiation of the T Tauri-type stars 9—75217
Gurzadyan, G.A. Ultraviolet spectra of planetary nebulae 9—92843
Gurzadyan, G.A. Circumstellar clouds derived from the 2800 Mg II data 9—96992
Gurzadyan, V.G., Ozernoy, L.M. Accretion on massive black holes in galactic nuclei 9—80335
Gurzan, M.I. *see* Popova, T.V. 9—95715
Gurzan, M.I. *see* Slivka, V.Yu. 9—99836
Gurzan, M.I. *see* Vysochanskii, Yu.M. 9—95778
Gurzhei, V.I. *see* Bondarev, N.K. 9—59158
Gurzhi, R.N., Maksimov, A.O. Nonlocal hydrodynamics of phonon gas in insulators 9—65158
Gusa, M. *see* Gavrilas, N. 9—68964
Gusak, N.A. Influence of end effects on the operating quality of electrooptic deflectors 9—55223
Gusak, N.A. *see* Sevruk, B.B. 9—98493
Gusakov, E.Z., Fedorov, V.I. Parametric excitation of oblique Langmuir waves localized in a layer of inhomogeneous plasma 9—98885
Gusakov, E.Z., Fedorov, V.I. Decay instabilities in an inhomogeneous plasma in the presence of trapped waves 9—98893
Gusakov, V.I. *see* Subbotin, V.I. 9—98803
Gusakovskaya, I.G., Larkina, T.I., Pirumova, S.I., Ovanesyan, N.S., Trukhtanov, V.A. Investigation of the dynamics of protein-solvent systems by the method of nuclear gamma-resonance 9—62166
Gusakow, M. *see* Bedjidian, M. 9—63621, 9—85393
Gusar, V.A. *see* Anistratov, A.T. 9—99318
Gusarov, A.V. *see* Kudin, L.S. 9—87867
Gusarov, A.V. *see* Stafeev, V.I. 9—51662
Gusarov, V.V. *see* Kaplan, A.A. 9—87776
Gusarskaya, N.L. *see* Treushnikov, B.M. 9—97464
Guschin, E.M., Kruglov, A.A., Litskevich, V.V., Lebedyev, A.N., Obodovskii, I.M., Somov, S.V. Electron emission by condensed noble gases 9—78855
Gusdal, I. *see* Anderson, J. 9—54646
Gusdal, M.I., McKee, J.S.C., Billinghurst, M., Sutherland, J.B., Sharma, G.P. The production of ^{123}I and ^{84}Rb at the university of manitoba cyclotron laboratory 9—54695
Guseinov, D.T. *see* Aliev, F.I. 9—87006
Guseinov, G.G. *see* Aliev, O.M. 9—100033
Guseinov, G.G. *see* Rustamov, P.G. 9—78857
Guseinov, M.B., Guseinov, N.G. Energetic spectrum of uniaxial weak ferromagnet 9—51762
Guseinov, M.M. *see* Gordienko, V.A. 9—56599
Guseinov, M.S. *see* Aliev, O.M. 9—100033
Guseinov, N.G. *see* Guseinov, M.B. 9—51762
Guseinov, O.H. *see* Amnuel, P.R. 9—84867
Guseinova, M.K. *see* Rodin, N.P. 9—94990
Gusenkov, A.P., Kazantsev, A.G. Method of investigating strain relations and criteria of failure during low cycle nonisothermal loading 9—52486
Gusev, A.A., Kruzhalov, S.V., Pakhomov, L.N., Petrun'kin, V.Yu. Self-locking of longitudinal modes in a CW linear Nd^{3+}:YAG laser 9—72611
Gusev, A.A., Semenov, A.N., Sinelnikova, L.G. The earthquake spectral anomaly estimate by the M_{LH} to m_B relation and its possible application to earthquake prediction 9—57871
Gusev, A.A., Zatsepin, V.I., Pugacheva, G.I., Titenkov, A.F. Recording transient radiation from cosmic ray electrons 9—66896
Gusev, A.I. *see* Krymskii, G.F. 9—80122
Gusev, A.P. *see* Bogatyrev, L.S. 9—82398
Gusev, A.V., Rudenko, V.N. Quantum mechanical anlysis of the sensitivity of a gravitational antenna 9—75436
Gusev, A.V. *see* Bashkov, B.I. 9—92671
Gusev, B.A. *see* Matyushenko, N.N. 9—99114
Gusev, E.A., Egorov, I.V., Musyankov, S.I., Sokolov, V.A. Analysis of the effect of the factors that determine the measurement error in X-ray thickness gauges 9—88911
Gusev, M.D. *see* Glazkov, V.V. 9—98716
Gusev, O.A. *see* Balbekov, V.I. 9—63829
Gusev, O.A. *see* Baldin, A.M. 9—72125
Gusev, O.A. *see* Basargin, Yu.G. 9—54628
Gusev, O.A. *see* Burtsev, V.A. 9—72475
Gusev, O.B. *see* Bresler, M.S. 9—50341, 9—59749
Gusev, V.D. Propagation of radio waves in a statistically inhomogeneous medium 9—92638
Gusev, V.D. *see* Golynskiy, S.M. 9—53627
Gusev, V.M., Guseva, M.I., Martynenko, Yu.V., Mansurova, A.N., Morosov, V.N., Chelnokov, O.I. Helium blistering at high irradiation doses 9—51167
Gusev, V.N., Ryabov, V.V. Spherical expansion of a binary gas mixture into a flooded space 9—81948
Gusev, V.P. *see* Antropov, A.E. 9—67753
Guseva, E.K., Maraev, S.E., Yakovlev, L.A. Ultrasonic inspection of the purity of A999 aluminum 9—70286
Guseva, L.A. *see* Gorelov, D.N. 9—64571
Guseva, M.I. *see* Gusev, V.M. 9—51167
Guseva, T.V. *see* Pevnev, A.K. 9—79792
Guseva, V.M. *see* Vlasova, N.I. 9—50361
Guseva, Z.M. *see* Baiburina, S.G. 9—80156, 9—80170
Gush, H.P. Optical imaging using aperture synthesis 9—58244
Gushchin, V.V., Erokhin, N.S., Moiseev, S.S. Possibility of collapse of nonlinear ion Langmuir waves in a nonisothermal plasma 9—77380
Gushchina, R.T. *see* Belov, A.V. 9—80135
Gushcin, V.S. *see* Shvarev, K.M. 9—87412
Gusinow, M.A. *see* Anthes, J.P. 9—87528
Gusinskaya, V.A. *see* Sidorovich, A.V. 9—57029
Gusinskii, G.M. *see* Andreev, D.S. 9—68138
Gus'kov, B.N. *see* Birulev, V.K. 9—67547
Gus'kov, Yu.K., Savvov, R.V., Slobodyanyuk, V.A. Scattering of electrons with E=0.04-3.7 eV by N_2 molecules 9—54978
Gus'kova, E.I. *see* Barasheva, T.V. 9—51312
Gusman, G. *see* Audenaert, M. 9—73606
Gusman, N.O., Popisar, E.L., Chernykh, V.A., Chernyavets, A.N. Failure energy of polycrystalline graphite considered as a heterogeneous medium 9—96138
Gusmao, M.A., Scherer, C. Reaction field approximation for the ordered phase of Heisenberg systems 9—61030
Gussoni, M. *see* Abbate, S. 9—65851, 9—86082
Gust, W., Nguyen-Tat, T., Predel, B. The discontinuous precipitation in Ni-rich Ni-G alloys 9—91653
Gust, W., Thinh Nguyen-Tat, Predel, B. Investigation of the discontinuous precipitation reaction in a Ni-Mo alloy containing 17.5 at.% Mo 9—87643
Gustafson, D.E. *see* Censor, Y. 9—66531
Gustafson, D.E. *see* Singh, M. 9—79638
Gustafson, G. *see* Andersson, B. 9—75733, 9—89202
Gustafson, G. *see* Nilsson, G. 9—63660
Gustafson, H.R. *see* Burke, D.L. 9—49554
Gustafson, H.R. *see* Roe, B.P. 9—63537
Gustafson, S.-A. *see* Anderssen, R.S. 9—88239
Gustafson, T.K. *see* Guedes, J.M.P. 9—82683
Gustafson, T.K. *see* Yasuoka, Y. 9—81411, 9—87161
Gustafson, T.K. *see* Yee, T.K. 9—64240
Gustafsson, B., Bell, R.A. The colours of G and K type giant stars. I 9—62827
Gustafsson, B. *see* Dickens, R.J. 9—97000
Gustafsson, H.-A. *see* Andersson, G. 9—76311
Gustafsson, I. On modified incomplete Cholesky factorization methods for the solution of problems with mixed boundary conditions and problems with discontinuous material coefficients 9—81715
Gustafsson, I. *see* Axelsson, O. 9—77107
Gustafsson, S., Hamdani, A.J., Karawacki, E. New method for measuring thermal properties of transparent solids 9—50572
Gustafsson, T. *see* Levinson, H.J. 9—54923
Gustavsen, J.E. *see* Bakke, A. 9—59436
Gustavsen, J.E. *see* Cyvin, S.J. 9—81201
Gustavson, D.B. Summary of IEEE Computer Standards Committee activities 9—89544
Gustavson, D.B. *see* Johnson, J.R. 9—63838
Gustavson, F.G. *see* Alsop, L.E. 9—65605
Gustavsson, I. *see* Bergman, S. 9—63730
Gustavsson, L.H. Initial-value problem for boundary layer flows 9—94588
Gustavsson, M., Lundberg, H., Nilsson, L., Svanberg, S. Lifetime measurements for excited states of rare-earth atoms using pulse modulation of a cw dye-laser beam 9—89636
Gustavsson, M., Olsson, G., Rosen, A. Hyperfine-structure investigation in the 6s5d configuration of ^{135}Ba and ^{137}Ba 9—49971
Gustavsson, M. *see* Grundevik, P. 9—63940
Gusteri, M. *see* Marassi, R. 9—57244
Gustinetti, A. *see* Campagnoli, G. 9—95738
Gustomesov, V.A. *see* Starodubtsev, Yu.N. 9—91709
Gustova, L.V. *see* El'Ashri, F.M. 9—80939
Gusyatnikov, P.B. *see* Galakhov, M.A. 9—86387
Gut, S.B. *see* Averkin, B.A. 9—100221
Gutay, L.J. *see* Gaidos, J.A. 9—85440
Gutbrod, F., Rek, Z.J. QED background to heavy lepton production in e^+e^- annihilation 9—75706
Gutbrod, F. *see* Kopp, G. 9—63495
Gutbrod, H.H. *see* Blann, M. 9—54452
Gutbrod, H.H. *see* Wolf, K.L. 9—63693
Gutdeutsch, R. *see* Seiberl, W. 9—53327
Gutenev, M.S. *see* Bal'makov, M.D. 9—65828
Guteva, E.S. *see* Stefanov, G.I. 9—87929
Gutfeld, R.J.von *see* von Gutfeld, R.J.
Gutfinger, C. *see* Gavish, J. 9—77125
Gutfreund, H. The one-dimensional Fermi gas 9—58635
Gutfreund, H. *see* Kaveh, M. 9—78086, 9—95394
Guth, T.D. *see* Schrauzer, G.N. 9—83483
Guthals, D.M., Gross, K.P., Nibler, J.W. Resonant CARS spectra of NO_2 9—54860
Guthals, D.M., Nibler, J.W. Tuning ranges of 355 nm pumped dyes from 410 to 715 NM 9—76683
Guthals, D.M. *see* Gross, K.P. 9—68223
Guthmann, E., Kessler, G., Stohr, H. Past and present role of fast breeder reactors in the Federal Republic of Germany 9—97891
Guthmann, E. *see* Marth, W. 9—97778
Guthrie, B.N.G. Orientations of radio galaxies 9—53911
Guthrie, J.E., Acres, O.E. Organic coolant in Winnipeg riverbed sediments 9—66425
Guthrie, K.M. *see* Bannister, R.W. 9—72744
Guthrie, R.I.L. *see* Davis, K.G. 9—49360
Gutierrez, A.M. *see* Martinez, A.C. 9—74693, 9—79566
Gutierrez, G.H. *see* Laura, P.A.A. 9—55310
Gutierrez, J. *see* Burgan, J.R. 9—49099
Gutierrez, J.-M. *see* Fouassier, C. 9—95719
Gutierrez, R.H. *see* Leissa, A.W. 9—86366
Gutierrez Alonso, P. *see* Garzon Ruiperez, L. 9—84347, 9—84348
Gutierrez-Moreno, A. The intrinsic color indices of early-type stars 9—84794
Gutierrez-Moreno, A., Moreno, H. Spectrophotometry in the upper Scorpius region 9—88647
Gutierrnez, R.H. *see* Laura, P.A.A. 9—68612
Gutjahr, A.L., Gelhar, L.W., Bakr, A.A., MacMillan, J.R. Stochastic analysis of spatial variability in subsurface flows. II. Evaluation and application 9—84321
Gutjahr, H.-J. *see* Bosek, S. 9—72501
Gutkin, A.A. *see* Ashirov, T.K. 9—51529
Gutkin, B.S. Electric testing of film resistance thermometers 9—67298
Gutkin, E. Coefficients of Clebsch-Gordan for the holomorphic discrete series 9—71282
Gutkina, N.G., Nemilov, S.V., Polozok, N.V., Chernysheva, E.O. Effect of composition of silicate glasses on their light scattering 9—99899

Gutkowicz-Krusin, D. On the phenomenological rate equation in a model exchange reaction 9—87824
Gutkowicz-Krusin, D., Collins, M.A., Ross, J. Rayleigh-Benard instability in nonreactive binary fluids. I. Theory 9—90225
Gutkowicz-Krusin, D., Collins, M.A., Ross, J. Rayleigh-Bernard instability in nonreactive binary fluids. II. Results 9—90226
Gutkowski, D., Masotto, G., Valdes, M.V. On the sufficiency of Bell's conditions 9—54010
Gutlich, P., Koppen, H., Link, R., Steinhauser, H.G. Interpretation of high spin ⇌ low spin transition in iron (II) complexes. I. A phenomenological thermodynamic model 9—69675
Gutman, A. *see* Butrimas, P. 9—92203
Gutman, D. *see* Graham, R.E. 9—52656
Gutman, I. Topological studies on heteroconjugated molecules. Alternant systems with one heteroatom 9—89586
Gutman, I., Randic, M. A correlation between Kekule valence structures and conjugated circuits 9—89582
Gutman, I., Rouvray, D.H. An approximate topological formula for the HOMO-LUMO separation in alternant hydrocarbons 9—49928
Gutman, I. *see* Godsil, C.D. 9—81145
Gutman, M. *see* Smith, K.K. 9—83475
Gutmanas, E.Y., Haasen, P. Photoplastic effect in CdTe 9—82277
Gutmanas, E.Y., Travitzky, N., Haasen, P. Negative and positive photoplastic effect in CdTe 9—51192
Gutmanas, E.Y., Travitzky, N., Plitt, U., Haasen, P. The mechanical behavior of CdTe 9—60427
Gutmann, A., Hayek, K. The microstructure and orientation of silver on NaCl: The influence of surface conditions 9—82486
Gutmann, R.L., Michel, A.N. Stability of interconnected systems described by stochastic nonlinear Volterra integral equations 9—71368
Gutmann, V. *see* Schmid, R. 9—70300
Gutner, B.M. *see* Baldin, A.M. 9—72125
Gutnick, H.N., Goldstein, R. Effect of contralateral noise on the middle components of the averaged electroencephalic response 9—96576
Gutovski, R.V. Sensitivity of the solutions of the equation for the nonlinear oscillations of a string to variation of the coefficients in the linear part of the equation 9—88805
Gutowski, H., Schroder, E. Low-temperature technology for the separation of krypton in reprocessing plants under nuclear conditions 9—85719
Gutowski, R. Mathematical models of dynamical processes and stability of motion 9—63012
Gutsche, E. *see* Henneberger, F. 9—83010
Gutschie, B., Herrmann, R., Hohne, M., Rudiger, K. Development of spectroscopic detection for high pressure liquid chromatography (HPLC) for the detection of Cl, Br, and I 9—87920
Gutsol, A.D. *see* Vaninov, V.L. 9—65829
Gutsulyak, V.G., Kondratenko, M.M., Orletskii, V.B. Effect of the structure of the valence band on the ratio of mobility to inherent concentration as a function of temperature in solid solutions of $Pb_{1-x}Sn_xSe$ 9—73437
Gutt, S. Equivalence of deformations and associated *-products 9—97237
Guttenplan, J.D. SPD—A NDT method for detecting surface contamination 9—83424
Gutti, A.I. *see* Aleksakhin, I.S. 9—86073
Guttman, A. *see* Dowling, J.A. 9—53521
Guttman, J.L., Hendricks, C.D., Kim, K., Turnbull, R.J. An investigation of the effects of system parameters on the production of hollow hydrogen droplets 9—85766
Guttman, L., Rothstein, J.A. Computation of elastic moduli from interatomic forces 9—95071
Guttmann, J. *see* Eickhoff, W. 9—55252
Guttmann, M. *see* Dumoulin, Ph. 9—91788
Guttmann, M. *see* Lemble, Ph. 9—87722
Guttner, K. *see* Marx, D. 9—76241
Guttner, K. *see* Munzenberg, G. 9—49893
Guttormsen, M. *see* Rekstad, J. 9—58999
Gutul, M. *see* Muntean, M. 9—73149
Gutzler, D.E. The efficiency of Y_2O_2S:Tb under low energy electron bombardment 9—99951
Gutzwiller, M.C. The numerical evaluation of Eckert's lunar ephemeris 9—75124
Guven, R. *see* Dereli, T. 9—67471
Guy, A.G., Cooper, W.D., Poole, R.L. Demonstration by computer simulation of the inequality of the flux of vacancies and the counter flux of atoms 9—73332
Guy, C.N., Strom-Olsen, J.O. Magnetic anisotropy in manganese silicide 9—73708
Guy, J., Sales, A., Abitbol, C. Optical optimization of the inversion of convolution products f=g*u when the unknown u is space-limited 9—76601
Guy, J.G., Suk, M., Dhar, I., Tuli, S., Borreani, G., Marchetto, F., Rinaudo, G. Gamma and π^o production by 4 GeV/c π^+p interactions 9—54357
Guy, J.G., Suk, M., Dhar, I., Tuli, S., Borreani, G., Marchetto, F., Rinaudo, G. Gamma and π^0 production by 4 GeV/c π^+p interactions 9—80844
Guy, R.W. The response of a cavity backed panel to external airborne excitation: A general analysis 9—50511
Guyader, J., Grekov, F.F., Marchand, R., Lang, J. New series of silicoapatites enriched with nitrogen 9—69093
Guyader, J.Le *see* Le Guyader, J.
Guyer, R.A., Miller, M.D. Interaction of atomic hydrogen with the surface of liquid ^{4}He 9—77850
Guymont, M., Gratias, D., Portier, R. Rational and irrational long period structure in ordered alloys 9—95175
Guymont, M., Portier, R., Gratias, D., Stobbs, W.M. Structure of long period ordered Ag_3Mg 9—94960
Guyon, E., Pieranski, P., Salan, J. Overstability and inverted bifurcation in homeotropic nematics heated from below 9—77501
Guyon, E. *see* de Gennes, P.G. 9—50791
Guyon, E. *see* Raffy, H. 9—60992
Guyon, E. *see* Riviere, D. 9—64986
Guyon, P.M. *see* Glass-Maujean, M. 9—68274
Guyon, P.-M. *see* Baer, T. 9—50092
Guyon, X., Prum, B. Markov properties in the Hida sense and Goursat representations for index process in R or R^2 9—71230
Guyonnet, J.L. *see* Armenise, N. 9—67533
Guyonnet, J.L. *see* Bonetti, S. 9—49509
Guyot, G. Determination of the force exerted by the wind on a windbreak 9—53418
Guyot, H. *see* Maneval, J.P. 9—69495
Guyot, J. *see* Alkhazov, G.D. 9—75883
Guyot, P. *see* Papon, A.M. 9—82244
Guyton, A.C. *see* Jaros, G.G. 9—83725
Guyton, D.L., Crane, H.D. An optical system with continuously variable spherocylindrical power 9—62385
Guz, A.N. On constructing the stability theory for thin-walled cylindrical shells under external pressure 9—94515
Guz, A.N. Stability of a thin-walled cylindrical shell under the effect of external pressure in the form of 'tracking load' 9—98645
Guz', A.N., Kuliev, G.G., Zeinalov, N.K. Buckling of a stretched thin plate with curvilinear holes 9—68607
Guz', I.S., Fedorchenko, A.S. An algorithm for computing the coordinates of an acoustic-emission source 9—94432
Guz, O.M. On the problem on constructing the stability theory for thin shells 9—76970
Guz, W. Filter theory and covering law 9—58860
Guzanov, B.N. *see* Sorokin, V.G. 9—66163
Guzeeva, L.S. *see* Chudinova, N.N. 9—52641
Guzei, L.S. *see* Evans, J. 9—77557
Guzei, L.S. *see* Kut'enkov, V.A. 9—66201
Guzman, G.L., Wolf, E.E. Effect of nonuniform activity distribution on catalyzed gas-solid reactions 9—96362
Guzman, G.M. *see* Calleja, R.D. 9—61291, 9—61294, 9—68613
Guzman, I.Ya., Polyak, B.I. Theoretical and graphic interpretation of the process of reactive sintering and its practical utilization 9—83150
Guzman, M.S. *see* Singh, S.K. 9—88247
Guzzi, G. *see* Peroni, P. 9—85754
Guzzi, M. *see* Anedda, A. 9—56757
Gvadybadze, L.B. *see* Gol'dman, A.Ya. 9—91730
Gvakhariya, T.V. *see* Birulev, V.K. 9—67547
Gvardzhaladze, L.K. *see* Veinger, A.I. 9—51590, 9—56239
Gvelesiani, G.G., Rtskhiladze, V.G., Kandelaki, A.Z., Abashidze, T.D., Gegiadze, G.G. Growth of NiO single crystals by transfer of the substance in DC arc, and their X-ray analysis 9—52113
Gvozd', A.M. *see* Nikitin, V.I. 9—52433
Gvozdev, A.A., Nesterenko, V.B., Nichipor, G.V., Trubnikov, V.P. Kinetics of nitric oxide thermal decomposition in the region of medium pressure 9—70321
Gvozdev, A.A., Nesterenko, V.B., Nichipor, G.V., Trubnikov, V.P. Investigation of irreversible thermal decomposition of dissociating nitrogen oxides 9—70322
Gvozdev, M.I., Mikhailichenko, O.M., Putilovskii, M.Yu. Compensation of beam deflection caused by errors in the right angles of a triple prism, by means of a wedge compensator 9—75105
Gvozdkov, Yu.V. *see* Artemenkov, L.I. 9—55546
Gwiazda, J., Brill, S., Mohindra, I., Held, R. Infant visual acuity and its meridional variation 9—53113
Gwiazda, J. *see* Mohindra, I. 9—57642
Gwinn, D. *see* Schuss, J.J. 9—82078
Gwinner, D., Labusch, R. Electrical effects of dislocations in gallium arsenide 9—82586
Gyarmati, B., Kruppa, A.T., Revai, J. A rigorous foundation of an easy-to-apply approximation method for bound state problems 9—92979
Gyarmati, B., Vertse, T., Zolani, L., Baryshnikov, A.I., Gurbich, A.F., Titarenko, N.N., Yadrovsky, E.L. Low-energy behaviour of the proton optical potential of Sn 9—85469
Gyarmati, E. *see* Penkalla, H.J. 9—59247
Gyarmati, E. *see* Putter, B. 9—71941
Gydikov, A. *see* Gerilovsky, L. 9—79501
Gyeney, L., Satori, G. New-type rhinomanometer and the relating test experiences 9—100768
Gyergyek, L., Vezjak, M., Ribaric, S., Turkulin, K., Pavesic, N., Valencic, V. Review of results of recognition and analysis of ECG signals by a group of the Faculty of Electrical Engineering of Ljubljana 9—83958
Gygax, F.N. *see* Camani, M. 9—56663, 9—56692, 9—56699, 9—57279
Gygax, F.N. *see* Camania, M. 9—56656
Gygax, S. Low-field magnetization measurements on small TaS_2 (aniline)$_{3/4}$ crystals 9—87188
Gyles, W., Johnson, R.R., Masterson, T., Bassalleck, B., Marks, T., Erdman, K.L., Thomas, A.W., Gill, D.R., Sabev, C., Arvieux, J., Rost, E., Kraushaar, J.J., Alster, J., Krell, M. π^- elastic scattering on ^{12,13}C and ^{16,18}O at low energies 9—85534
Gyles, W. *see* Johnson, R.R. 9—71872, 9—97653
Gymoese, E., Damgaard Andersen, J., Sandoe, E. Random access mass storage ECG-analysis system (RAMSES): a new system for quantitative analysis of long-term ECGs 9—70663
Gyoda, N. *see* Kagiyama, T. 9—70760
Gyoda, N. *see* Miyazaki, T. 9—70731
Gyoda, N. *see* Shimozuru, D. 9—70773
Gyoda, N. *see* Takeda, T. 9—70732
Gyorffy, B.L. *see* Black, J.L. 9—60817
Gyorffy, B.L. *see* Da Silva, E.Z. 9—56393, 9—95545
Gyorffy, B.L. *see* Durham, P.J. 9—83059
Gyorgy, E.M., LeCraw, R.C., Blount, E.I., Jones, W.R., Blank, S.L., Grodkiewicz, W.H. Magnetoresistance of rare earth iron garnets 9—78120
Gyorgy, E.M., Nassau, K., Eibschutz, M., Waszczak, J.V., Wang, C.A., Shelton, J.C. The magnetic properties of amorphous $Y_3Fe_5O_{12}$ 9—78345
Gyorgy, E.M. *see* Chien, C.L. 9—95693
Gyorgy, E.M. *see* Dillon, J.F., Jr. 9—73796
Gyorgy, E.M. *see* Gallagher, P.K. 9—96298
Gyorgy, I., Freeman, G.R. Effects of density and temperature on mobilities of electrons in vapors and liquids of pentane isomers: molecular structure effects 9—72984
Gyorgy, I., Freeman, G.R. Effects of density and temperature on electron transport in hydrocarbon fluids 9—91114
Gyrbu, I.N. Temperature dependences of the elastic moduli of gallium phosphide 9—73245
Gysen, M. *see* de Wolf, E.A. 9—49543
Gyulai, J. *see* Somogyi, M. 9—96173
Gyulassy, M. Multipion production in nuclear collisions 9—85485
Gyulikhandanov, E.L. *see* Khoroshailov, V.G. 9—52450
Gyul'khandanyan, A.M. *see* Balbekov, V.I. 9—63829
Gyul'khandanyan, G.V., Sukhanov, V.A. Binding of spin-labelled stearic acid by bovine serum albumin 9—96506
Gyung Park Chan *see* Chan Gyung Park
Gyunter, V.E., Khachin, V.N., Sivokha, V.P., Dudarev, E.F. Plasticity of titanium nickelide 9—61652
Gyuring, V.Kh. Methods and apparatus for measuring the thickness of metal coatings 9—88906
Gyuzalian, R.N., Sogomonian, S.B., Horvath, Z.G. Background-free measurement of time behaviour of an individual picosecond laser pulse 9—59758
Gzovski, O., Kozlovski, K., Muravski, L. Effect of heat-treatment conditions on ESR spectra of iron phosphate glasses 9—65722
Gzyl, H. On Blume's integration of Schrodinger's equation for a quantum system subject to random pulses 9—97232

H. Oh Se *see* Se H. Oh
H. Park Young *see* Young H. Park
Ha, K. *see* Yeh, C. 9—76804
Ha, T.-K., Gremlich, H.-U., Buhler, R.E. A theoretical study of the electronic spectrum of CCl_2 9—85948
Ha, T.-K. *see* Kuhne, H. 9—93997
Ha, T.-K. *see* Meyer, R. 9—97986
Ha Cho Eung *see* Eung Ha Cho
Ha Chung Woo *see* Chung Woo Ha
Ha Lee Kyoon *see* Lee Kyoon Ha
Haacke, A.C. Calibration of electromagnetic flowmeters using a flow simulator 9—68854
Haacke, E.M., Moffat, J.W. Scaling violations and the proton-neutron mass difference 9—97628

Haag, G., Hanggi, P. Exact solutions of discrete master equations in terms of continued fractions 9—88882

Haag, J., Alpen, U.V., Gmelin, E., Rabenau, A. Electrochemical and specific heat measurements on tellurium-halogen systems 9—91991

Haagenson, P.L. Meteorological and climatological factors affecting Denver air quality 9—84350

Haak, E.D., Petrovick, M.L., Beadles, R. An interactive echocardiographic and systolic time interval processor 9—83869

Haake, F., King, H., Schroder, G., Haus, J., Glauber, R., Hopf, F. Macroscopic quantum fluctuations in superfluorescence 9—76651

Haaks, D. *see* Buck, U. 9—54799

Haan, C.D.de *see* de Haan, C.D.

Haan, H.J.de *see* de Haan, H.J.

Haan, O. Consequences of crossed channel structure for high energy elastic scattering 9—58906

Haan, O., Mutter, K.H. A new perturbative approach for the anharmonic oscillator 9—80464

Haar, D.ter *see* ter Haar, D.

Haar, D.Ter *see* Ter Haar, D.

Haar, G.Ter *see* Ter Haar, G.

Haar, H.-P. *see* Klein, U.K.A. 9—56839

Haar, T.H.Vonder *see* Vonder Haar, T.H.

Haarer, D. *see* Castro, G. 9—81371

Haarhuis, G.J. The MC 80—a magnetically driven Stirling refrigerator 9—58697

Haarhuis, G.J. The MC 80—a magnetically driven Stirling refrigerator 9—58724

Haarhuis, G.J. *see* Geraerts, A.M. 9—67331

Haas, A., Willner, H. Chalcogenide-fluorides in low oxidation states. II. Matrix IR and Raman spectra of SSF_2, FSSF, and ^{34}S isotropic isomers 9—89674

Haas, B., Andrews, H.R., Hausser, O., Horn, D., Sharpey-Schafer, J.F., Taras, P., Trautmann, W., Ward, D., Khoo, T.L., Smither, R.K. Single particle nature of the yrast line at high angular momentum in ^{152}Dy 9—71783

Haas, B. *see* Hausser, O. 9—63578

Haas, B. *see* Toulenmonde, M. 9—58998

Haas, C. *see* Kuindersma, S.R. 9—61063

Haas, F. *see* Freeman, R.M. 9—93492

Haas, F. *see* Kolata, J.J. 9—67808

Haas, F.A. *see* Fielding, P.J. 9—73027

Haas, H.A.de *see* de Haas, H.A.

Haas, K.A. *see* Teuchert, E. 9—63799

Haas, P.A. *see* Notz, K.J. 9—89482

Haas, R.A. *see* Ewing, J.J. 9—59757

Haas, S.A. *see* Poche', A.J. 9—52898

Haas, S.Sperber *see* Sperber Haas, S.

Haas, T.W. *see* Park, Y.S. 9—55774

Haas, W. Investigation of Arc-motion between closely spaced insulating walls 9—90488

Haase, E.L. *see* Bassalleck, B. 9—67780

Haase, R., Jansen, H.-J., Puder, K., Winter, B. Enthalpies of mixing for the liquid system formic acid+acetic acid 9—60515

Haase, R.W. *see* Butler, P.H. 9—93330

Haase, W. *see* Ibrahim, I.H. 9—86704

Haasen, P. Kink formation and migration as dependent on the Fermi level 9—82218

Haasen, P. *see* Gutmanas, E.Y. 9—51192, 9—60427, 9—82277

Haasen, P. *see* Mahajan, S. 9—79025

Haaser, F.G., Jester, W.A., Heald, W.R. Tracing underground water movement using three NAA-detected halogen tracers 9—88014

Haasz, A.A. *see* Johnston, G.W. 9—86288

Haatuft, A. *see* Morfin, J.G. 9—71740

Haavasoja, T. *see* Ahnonen, A.I. 9—51362

Haba, P., Alexandru, N., Cosma, V. On the possibility of using a ring core flux-gate circuit as a thickness transducer 9—67280

Haba, Y., Kawata, Y., Terashita, Y. Atmospheric effects on the classification of remotely sensed Earth's imageries 9—58091

Haba, Y. *see* Kusaka, T. 9—88517

Habal, M.B., Karlan, M.S., Leake, D. Direction or inertia: the future for regulation of surgical implant devices 9—92917

Habash, T.S. *see* Garn, P.D. 9—96300

Habashi, F. Aqueous oxidation of chalcopyrite in hydrochloric acid 9—61764

Habashi, W.G. A finite element approach to subsonic aerodynamics 9—55399

Habashi, W.G. The finite element method in the solution of unbounded potential flows 9—88813

Habata, O. *see* Tokumaru, H. 9—57537

Habbal, F., Joiner, W.C.H. Flux pinning and flux flow noise in $Pb_{80}In_{20}$ samples exhibiting a double peak in the volume pinning force 9—56473

Habbal, F. *see* Bevk, J. 9—95557

Habbal, F. *see* Scott, J.F. 9—73928

Habbal, F. *see* Thompson, J.D. 9—49238

Habbal, F. *see* Zvirgzds, J.A. 9—56795

Habenicht, H. Description of joint systems taken from drill cores 9—66690

Habenschuss, A., Spedding, F.H. The coordination (hydration) of rare earth ions in aqueous chloride solutions from X-ray diffraction. I. $TbCl_3$, $DyCl_3$, $ErCl_3$, $TmCl_3$, and $LuCl_3$ 9—64975

Habenschuss, A., Spedding, F.H. The coordination (hydration) of rare earth ions in aqueous chloride solutions from X-ray diffraction. II. $LaCl_3$, $PrCl_3$, and $NdCl_3$ 9—69000

Haber, B. *see* Eisenberg, Y. 9—54367, 9—75804

Haber, I. Space charge limited transport and bunching of non K-V beams 9—76227

Haber, I., Maschke, A.W. Steady-state transport of high-current beams in a focused channel 9—63325

Haberda, F. Concentration fluctuations and intermittency in turbulent, isothermal fuse jets 9—64732

Haberger, C.C., Mann, R.W., Baum, G.A. Ultrasonic plate waves in paper 9—68460

Haberkorn, R., Michel-Beyerle, M.E. On the mechanism of magnetic field effects in bacterial photosynthesis 9—83810

Haberkorn, W., Richter, J. Theoretical investigation of the transition temperature of dirty proximity-effect sandwich systems 9—73638

Haberland, C., Nitsche, W. A simple analytical method to calculate the turbulent heat transfer behind a hydrodynamic starting length 9—72892

Haberland, D. *see* Anderson, H. 9—79361

Haberland, H. *see* Brutschy, B. 9—81167

Haberland, H. *see* Conrad, H. 9—52060

Haberlandt, H., Weckner, H.-J., Gobsch, G., Reinhold, J. The g-tensor of the interstitial oxygen and the broken Si-O bond in silicon dioxide—a MO model calculation 9—78520

Haberle, K., Froschle, E. Electrical properties and structure of boron-doped sputter-deposited polycrystalline silicon films 9—95298

Haberle, K. *see* Frenzel, H. 9—91827

Haberle, R.M. The influence of the Martian polar caps on the diurnal tide 9—96943

Haberle, R.M., Leovy, C.B., Pollack, J.B. A numerical model of the Martian polar cap winds 9—96942

Haberlen, U. *see* Brown, M.F. 9—79485

Habermeier, H.U., Klein, W., Kronmuller, H. Flux density gradients in plastically deformed niobium single crystals 9—61010

Habermeier, H.U., Klein, W., Kronmuller, H., Aoki, R. Magneto-optical investigation of flux penetration in plastically deformed niobium monocrystals 9—82731

Haberzettl, G. Considerations for application of strain-gauge rosettes 9—67294

Haberzettl, G. Principles of the design of diaphragm pressure sensors with wire strain gauges 9—80569

Habets, A.H.M., Beijerinck, H.C.W., Verster, N.F., de Warrimont, J.P.L.M.N. Non-Maxwellian velocity distributions in supersonic expansions of argon 9—98762

Habets, P. On relaxation oscillations in a forced van der Pol oscillator 9—49089

Habib, S.E-D., Simmons, J.G. Theory of switching in p-n-insulator (tunnel)-metal devices. I. Punchthrough mode 9—60926

Habib-Zade, S.M. *see* Shamiev, F.G. 9—50586

Habibulloev, H. *see* Saidov, D. 9—52706

Habing, H.J. *see* Baud, B. 9—58395

Habra, N.R. *see* Soll, D.B. 9—70879

Habraken, F.H.P.M., Kieffer, E.Ph., Bootsma, G.A. A study of the kinetics of the interactions of O_2 and N_2O with a Cu(111) surface and of the reaction of CO with adsorbed oxygen using AES, LEED and ellipsometry 9—65317

Habraken, L. *see* Cosse, P. 9—52325

Habrman, D., Vychytil, F. Other dosimetric parameters of MDS transistors 9—49874

Habs, D. *see* Korner, H.J. 9—89221

Habs, D. *see* Ulfert, G. 9—71856

Hachimura, K., Kuwahara, M., Kinoshita, M. Left ventricular contour extraction from radioisotope angiocardiograms and classification of left ventricular wall motion 9—88180

Hacinliyan, A., Saclioglu, C. List of grand unification gauge groups 9—71338

Hack, H.P. *see* Gudas, J.P. 9—91836

Hack, M. IUE observations of the symbiotic star CH Cygni during an active phase 9—62846

Hack, M., Selvelli, P.L. The ultraviolet spectrum of the eclipsing binary epsilon Aurigae 9—71071

Hack, S., Cooksey, J.D., Bomze, H. Microcomputer analysis of the exercise electrocardiogram 9—70683

Hack, W., Preuss, A.W., Wagner, H.Gg. Rate measurement of the reaction of OH and HO_2 radicals with laser magnetic resonance technique 9—52629

Hack, W. *see* Davies, P.B. 9—76454

Hackbarth, D.A. Groundwater temperatures in the Athabasca Oil Sands area, Alberta 9—62465

Hackel, L.A., Bender, C.F., Johnson, M.A., Rushford, M.C. Hyperfine structure measurements of high-lying levels of uranium 9—54796

Hackel, R.P., Ezekiel, S. Observation of subnatural linewidths by two-step resonant scattering in I_2 vapor 9—76419

Hackenbracht, D., Kubler, J. Cohesive and superconducting properties of La-In compounds from electronic-structure calculations 9—99113

Hackenburg, R. *see* Marlow, D. 9—85564

Hacker, M.P., Lax, B., Metz, R.N., Temkin, R.J. Cyclotron resonant gas breakdown with a 1.22-mm $^{13}CH_3F$ laser 9—55549

Hackerman, N. Interdisciplinary chemistry 9—70295

Hackerman, N. *see* Ray Yeh, L.-S. 9—96322

Hackerman, N. *see* Wilhelm, S.M. 9—91093

Hackeschmidt, M. The present state and prsopects of mathematical modelling of flow in three dimensions 9—64636

Hackeschmidt, M. Concerning the physical similarity of turbulent flame to isothermal free jet 9—74387

Hackett, P.A., Gauthier, M., Willis, C., Pilon, R. The selective decomposition of $CF_3{}^{13}COCF_3$ molecules at natural abundance: multiphoton dissociation at threshold 9—89723

Hackmack, E. *see* Berger, C. 9—49519

Hackman, R.H. Pion absorption by deuterons in field theory 9—67779

Hackman, R.H. A generalized Low equation approach to $\pi D \rightarrow pp$ 9—85491

Hackman, R.H. *see* Arndt, R.A. 9—93456

Hackmann, J., Yong Che Kim, Reuters, H., Uhlenbusch, J. Magnetohydrodynamic calculations of high-temperature, rotary symmetry plasma, with consideration of plasma-wall effect 9—68909

Hackstein, K. *see* Rober, E. 9—82525

Hackstein, K. *see* Soller, F.X. 9—63214

Hacyan, S. *see* Plebanski, J.F. 9—75419

Hada, T. *see* Iiata, T. 9—78877

Hadap, R.G. *see* Jayadevon, N.G. 9—66210

Hadari, Z. *see* Gal, J. 9—51887

Hadari, Z. *see* Mintz, M.H. 9—52760

Hadari, Z. *see* Schwartz, I. 9—63787

Haddad, A.G., Pimmel, R.L., Scaperoth, D.D., Bromberg, P.A. Forced oscillatory respiratory parameters following papain exposure in dogs 9—88105

Haddad, M.H.El *see* El Haddad, M.H.

Haddad, M.M., Kowalczyk, R.J. Gold-plated nickel powder for conductive pastes 9—95957

Haddock, F.T. *see* Benvenuti, P. 9—71048

Haddock, R. *see* Minehart, R. 9—76032

Haddock, R.P. Experiments on the conservation or non-conservation of isospin, parity, and charge conjugation and time reversal invariance 9—80772

Haddock, R.P. *see* Sadler, M.E. 9—85328

Haddow, J.B. *see* Mioduchowski, A. 9—64520

Hadeishi, T. *see* Koizumi, H. 9—49983, 9—59508

Hadenfeldt, C. *see* Jacobs, H. 9—66043

Hadermann, J. *see* Mukhopadhyay, N.C. 9—59097

Hadi, S. *see* Sobur, A.S. 9—53556

Hadj-Salem, R., Berger-Vachon, C. Adjustment of an electronic machine built for electrocardiogram simulation 9—83968

Hadjimichael, E. Siegert's theorem revisited: applications to the forward angle cross section and the sum rule for $^2H(\gamma, n)p$ 9—80925

Hadjioannou, F.T., Lahanas, A.B., Vayonakis, C.E. On the gauge hierarchy in the SU(5) model 9—75711

Hadjipanayis, G., Gaunt, P. An electron microscope study of the structure and morphology of a magnetically hard PtCo alloy 9—82171

Hadjistamov, D., Degen, K. Flow behaviour of disperse systems, the thixotropic compromise 9—77232

Hadley, D., Kanamori, H. Recent seismicity in the San Fernando region and tectonics in the west-central Transverse Ranges, California 9—66634

Hadley, D., Kanamori, H. Regional S-wave structure for southern California from the analysis of teleseismic Rayleigh waves 9—92510

Hadley, J.H., Jr., Hsu, F.H., Yei, W. Positron annihilation in alpha-cyclodextrin: effects of adsorbed gases 9—65952

Hadni, A. *see* Gerbaux, X. 9—99443

Hadni, A. *see* Vergnat-Grandjean, D. 9—95748

Hadrian, U. *see* Panagiotopoulos, P.D. 9—66119

Hadsell, R. *see* Chestnut, R. 9—89533

Hadziahmetovic, D., Marinkovic, M., Djordjevic, R., Tosic, B. On a possibility of metastable exciton-phonon hybridization 9—51493

Haeberlen, U. *see* Aravamudhan, S. 9—87326

Haeberli, W. Polarized-ion sources 9—63841

Haeberli, W., Henneck, R., Jacquemart, C., Lang, J., Muller, R., Simonius, M., Reichart, W., Weddigen, C. A quantitative monitor for beam intensity and polarization profiles 9—76251

Haefner, B. *see* Franz, G. 9—67802

Haefner, R., Schoembs, R., Vogt, N. The outburst of the dwarf nova VW Hydri: a comparative study of short and long eruptions 9—88669

Haegi, M. *see* Ascoli-Bartoli, U. 9—60170

Haelbich, R.-P. *see* Predehl, P. 9—98466

Haen, P., Lapierre, F., Mignot, J.M., Tournier, R., Holtzberg, F. Divergence of the very-low-temperature residual resistivity of Tm_xSe as $x \rightarrow 1$ 9—82588

Haen, P., Mignot, J.M., Monceau, P., Nunez Regueiro, M. Electrical resistivity anomalies in the linear compound $NbSe_3$ down to 7 mK 9—60811

Haen, P. *see* Meerschaut, A. 9—51086

Haendler, H.M., Carkner, P.M., Boudreau, S.M., Boudreau, R.A. The crystal structure of copper bromide triselenide, $CuBrSe_3$ 9—86750

Haensel, P. Tensor quasiparticle interaction and spin-isospin sound in nuclear matter 9—63618

Haensel, P. On the charge-asymmetric term in the nuclear binding energies of heavy nuclei 9—75826

Haensel, P. Charge asymmetry of nuclear forces and binding energies of heavy nuclei 9—75866

Haensel, P. Waves in dense nucleon matter 9—93540

Haenssler, F. *see* Waterstrat, R.M. 9—95538

Haering, K.H. *see* Fischer, H. 9—82076

Haering, R.R. *see* Berlinsky, A.J. 9—77580

Haering, R.R. *see* Tiedje, T. 9—72775

Haeringen, H.van *see* van Haeringen, H.

Haeringen, W., Staas, F.A., Geurst, J.A. On ^{3}He-^{4}He dilution refrigerators 9—93150

Haeringen, W.Van *see* Van Haeringen, W.

Haerten, R. *see* Zurinski, V. 9—62314

Haese, R.L. *see* Ewbank, W.B. 9—80862

Haesendonck, C.Van *see* Van Haesendonck, C.

Haesner, B. *see* Fischer, R. 9—71835

Haesner, B. *see* Klages, H.O. 9—75965

Haessner, F., Hoschek, G., Tolg, G. Stored energy and recrystallization temperature of rolled copper and silver single crystals with defined solute contents 9—96037

Haeuseler, H. X-ray investigations in the system $CdIn_2S_4$-$CdIn_2Se_4$ 9—86756

Haeussler, C. *see* Turk, R.R. 9—59849

Hafele, H.G. *see* Pascher, H. 9—94284

Hafele, W. Reactor strategies in a global context 9—87937

Hafele, W. World energy resources, demand and supply of energy, and the prospects for the fast breeder reactor 9—97888

Hafele, W. *see* Kulcinski, G.L. 9—59114

Hafemeister, D. Science and society test IV: the 94th congress 9—97176

Hafen, E.S. *see* Brick, D. 9—58980

Hafez, A.M. *see* Sadek, H. 9—95194

Hafez, M.B., Nazmy, A.F., El Desoky, M.M. Adsorption of radioactive elements on silica gel and its uses for determination of gross activity in urine 9—88155

Haffty, B.G. *see* Spodick, D.H. 9—66574

Hafiz, M.M., Ammar, A.A., Hammad, F.H. Observations of thermally induced transformations in amorphous chalcogenide films using transmission electron microscopy 9—94917

Hafner, D., Hoffmann, H. Microscopic and macroscopic inhomogeneity of magnetization and anisotropy in amorphous rare earth/transition metal films 9—65698

Hafner, D., Neubauer, M., Borchard, U., Greeff, K. Viscoelastic properties, analysis of isolated heart muscle preparations: measurement and mathematical model. I 9—53167

Hafner, D., Neubauer, M., Borchard, U., Greeff, K. Viscoelastic properties, analysis of isolated heart muscle preparations: measurement and mathematical model. II 9—83817

Hafner, G.W., Lee Hamilton, C., Steiner, W.W., Thompson, T.J., Winn, H.E. Signature information in the song of the humpback whale 9—88093

Hafner, H. *see* Fuchs, H. 9—59076

Hafner, H. *see* Szanto De Toldeo, A. 9—63572

Hafner, J. Charge densities and bonding in K_2Cs and K_7Cs_6 9—77549

Hafner, P., Schwarz, W.H.E. Molecular spinors from the quasi-relativistic pseudopotential approach 9—97963

Hafner, S. *see* Amthauer, G. 9—73862

Hafner, T. *see* Krolikiewicz, H. 9—74738

Haftel, M. *see* Zingl, H. *(editor)* 9—67567, 9—80880

Haftel, M.I. *see* Bassel, R.H. 9—76009, 9—76010

Haftel, M.I. *see* Karaoglan, E. 9—76011

Haga, E., Kato, T., Aisaka, T. Effect of interatomic interaction on dynamic susceptibility 9—65662

Hagan, C. *see* Pop, I. 9—65034

Hagan, D.E., Olson, D.B., Schmitz, J.E., Vastano, A.C. A comparison of cyclonic ring structures in the northern Sargasso Sea 9—79855

Hagan, J.T., Swain, M.V., Field, J.E. Fracture-strength studies on annealed and tempered glasses under dynamic conditions 9—96132

Hagan, L. *see* Kaufman, V. 9—54797

Hagan, M.E. *see* Forbes, J.M. 9—66847

Hagan, M.P., Elkind, M.M. Changes in repair competency after 5-bromodeoxyuridine pulse labeling and near-ultraviolet light 9—83854

Hagan, M.P. *see* Sugiura, M. 9—75015

Hagan, P.S., Cohen, D.S. Josephson point-contact resonance responses 9—99658

Hagan, W.K. *see* Hammelman, J.E. 9—89419

Hagan, W.K. *see* May, R.S. 9—59137

Hagan, W.K. *see* Mosteller, R.D. 9—89475

Hagar, R.C. *see* Lykoudis, P.S. 9—81938

Hagberg, E. *see* Carraz, L.C. 9—85407

Hagberg, E. *see* Dam, P. 9—68116

Hagberg, E. *see* Ewan, G.T. 9—71820

Hagberg, E. *see* Schardt, D. 9—93567

Hage, H., Muller, G. Changes in dimensions, stresses and gravitational energy of the Earth due to crystallization at the inner-core boundary under isochemical conditions 9—84191

Hage, H. *see* Muller, G. 9—84102

Hage, J.C.H.Van Der *see* Van Der Hage, J.C.H.

Hage, W., Hettinger, H., Kappeler, F., Kumpf, S., Wisshak, K. Measurement of the fission cross section of Am-241 9—85569

Hage, W., Schmidt, E. Reactor physics aspects of burning actinides in a nuclear reactor 9—85700

Hage-Ali, M., Stuck, R., Saxena, , A.N., Siffert, P. Studies of CdTe surfaces with secondary ion mass spectrometry, Rutherford backscattering and ellipsometry 9—56046

Hagebo, E. *see* Andersson, G. 9—76311

Hagedoorn, H.L. *see* Backer, W.H. 9—72109

Hagedoorn, H.L. *see* Schulte, W.M. 9—54700, 9—54714, 9—54715

Hagedorn, F.B. *see* Vella-Coleiro, G.P. 9—78459

Hagedorn, G.A. Born series for (2 cluster)→(2 cluster) scattering of two, three, and four particle Schrodinger operators 9—49072

Hagege, R., Jarrin, M., Sotton, M. Direct evidence of radial and tangential morphology of high-modulus aromatic polyamide fibres 9—73107

Hagelberg, R. *see* Badier, J. 9—93460

Hagemaier, D.J., Fassbender, R.H. Nondestructive testing of advanced composites 9—96254

Hageman, D.C.J.M., de Voigt, M.J.A., Jansen, J.F.W. Search for high-spin isomeric states in the rare-earth region 9—71784

Hageman, D.C.J.M. *see* Saha, A. 9—85474

Hageman, L., Mubarak, A., Woodriff, R. Comparison of interference effects for manganese in constant temperature vs pulse-type electrothermal atomization 9—83521

Hagemann, G.B. *see* Hillis, D.L. 9—89320

Hagemann, K. *see* Meyer, J. 9—70628

Hagemann, P., Reimer, L. An experimental proof of the dependent Bloch wave model by large-angle electron scattering from thin crystals 9—99257

Hagemann, R.F. Compensatory proliferative response of the colonic epithelium to multifraction irradiation 9—88128

Hagemann, U., Keller, H.-J., Protochristow, C., Stary, F. $\Delta J=1$ band structures on ns-isomeric states in odd mass ^{117,119,121}Te nuclei 9—54382

Hagemeyer, K. *see* Kumbartzki, G.J. 9—99800

Hagen, C.R. Action-principle quantization of the antisymmetric tensor field 9—71623

Hagen, D.L. Optimum insulation with internal and solar heat gains 9—62147

Hagen, H. *see* Barberis, D. 9—78507

Hagen, W. Simultaneous microwave and infrared observations of stellar water maser sources 9—67037

Hagen, W. Broad-band 10 μm and 20 μm photometry of southern sources from the AFGL Infrared Sky Survey 9—97097

Hagen, W. *see* Boesgaard, A.M. 9—92755

Hagen, W. *see* Strunk, H. 9—82222

Hagenah, W.-D. *see* Bubert, H. 9—87926

Hagenmuller, P. *see* Berrada, A. 9—69950

Hagenmuller, P. *see* Bressel, B. 9—95920

Hagenmuller, P. *see* Chevalier, B. 9—78104

Hagenmuller, P. *see* Darriet, B. 9—66419, 9—74549

Hagenmuller, P. *see* Delmas, C. 9—65244, 9—77810

Hagenmuller, P. *see* Demazeau, G. 9—86760

Hagenmuller, P. *see* Doumerc, J.-P. 9—60879

Hagenmuller, P. *see* Grenier, J.-C. 9—90619

Hagenmuller, P. *see* Levasseur, A. 9—90823

Hagenmuller, P. *see* Lucat, C. 9—99360

Hagenmuller, P. *see* Maazaz, A. 9—60546

Hagenmuller, P. *see* Ravez, J. 9—99834

Hagenmuller, P. *see* Simon, A. 9—55886

Hagenmuller, P. *see* Videau, J.J. 9—65820

Hagenson, R.L., Krakowski, R.A., Thomassen, K.I. A toroidal fusion reactor based on the reversed-field pinch (RFP) 9—71977

Hager, B.H., O'Connell, R.J. Kinematic models of large-scale flow in the Earth's mantle 9—70777

Hager, G.D., Wood, L.M., Chazen, M.L., Bossler, F.B., Shub, L., Solomon, W.C. Operating characteristics of a high pressure DF-CO_2 CW chemical transfer laser 9—81449

Hager, G.D. *see* Blauer, J.A. 9—81422

Hager, J., Krieger, W., Ruegg, T., Walther, H. Vibrational energy transfer in ethylene and ethylene-rare-gas mixtures 9—64026

Hager, R.J. *see* Scott, W. 9—100040

Hager, S.L. *see* Dismukes, G.C. 9—52722

Hagerling, C.W., Hasegawa, H., Andeen, C.G., Geil, P.H., Hoffman, R.W. Force elongation measurements of single polyethylene crystals 9—87700

Hagerman, D.C. *see* Jeppesen, R.H. 9—85533

Hagg, G., Ersson, N.O., Rudenholm, G., Sellberg, B. A high-temperature focusing X-ray powder camera with new features 9—50942

Haggag, M.H. *see* El Wakil, S.A. 9—54467

Haggerty, H. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Haggerty, J.S. *see* Danforth, S.C. 9—74119

Haggstrom, L. *see* Le Caer, G. 9—91323

Hagi, H., Hayashi, Y., Ohtani, N. Effect of cathodic hydrogen charging on the flow stress of electrolytic iron and Fe-Cr alloys 9—52313

Hagi, H., Hayashi, Y., Ohtani, N. Diffusion coefficient of hydrogen in pure iron between 230 and 300K 9—95220

Hagihara, N. *see* Unno, K. 9—100552

Hagino, M. *see* Kan, H. 9—69965

Hagino, M. *see* Miyao, M. 9—87559

Hagino, M. *see* Sukegawa, T. 9—87558

Hagins, W.A. *see* Robinson, W.E. 9—83773

Hagio, T. *see* Miyazaki, K. 9—78923

Hagiwara, K. Opposite-side angular correlation of high-p_T particles as a probe of gluons 9—71703

Hagiwara, M. *see* Shimozuru, D. 9—70773

Hagiwara, T. Quark mass formulae and the number of quark flavors 9—75730

Hagiwara, T. *see* Frampton, P.H. 9—97507

Hagiwara, T. *see* Fukugita, M. 9—93412

Hagiwara, Y. Recent non-tidal gravity changes during earthquake activities in Japan 9—92471

Hagler, M.O., Kral, E.L., Walkup, J.F., Marks, R.J., II Linear coherent processing using an input scanning technique 9—76622

Hagler, M.O. *see* Dollinger, R.E. 9—50854

Hagler, M.O. *see* Marks, R.J., II 9—50229

Haglund, R.H., Jr. *see* Schmelzbach, P.A. 9—75966

Hagman, V.M. *see* Aahlin, P. 9—93468

Hagmann, M.J. *see* Barber, P.W. 9—70580

Hagmann, S., Cocke, C.L., Justiniano, E., Macdonald, J.R., Schmidt-Bocking, H. Impact-parameter dependence of K-vacancy production in Cu^{9+}-Kr collisions 9—72390

Hagmann, S. *see* Heitz, Ch. 9—63948

Hagn, E., Leuthold, K., Zech, E., Ernst, H. Measurement of the ground-state spectroscopic quadrupole moment of ^{192}Ir 9—89235

Hagn, E. *see* Ernst, H. 9—78565, 9—82884, 9—93506

Hagrman, D. *see* Oehlberg, R.N. 9—89435

Hagrman, D.L. *see* Cook, T.F. 9—89443

Hagrman, D.L. *see* Falotico, R.N. 9—89436

Hagston, W.E., Sutherland, H.H. Calculation of the binding energies of doubly ionizable centres in II-VI compounds 9—65405

Hagston, W.E. *see* Holmes, B.J. 9—49184, 9—82894

Hagston, W.E. *see* Roberts, M. 9—88871, 9—88872, 9—92973

Hagstrom, A.L. *see* Ivanovskii, A.L. 9—59513

Hagstrom, S.B.M. *see* Bianconi, A. 9—69595

Hagstrum, H.D. Excited-atom deexcitation spectroscopy using incident ions 9—100010

Hague, C.F. *see* Durham, P.J. 9—83059

Haguenauer, M. *see* Armenise, N. 9—67536, 9—93397, 9—93398

Haguri, K. *see* Motojima, S. 9—66009

Hagy, H.E. The trident seal—a rapid and accurate expansion differential test 9—61815

Hahlbohm, H.-D. *see* Grohmann, K. 9—88977

Hahn, A. Shared clinical engineering in a rural setting 9—83978

Hahn, A.W. *see* Tang, T.E. 9—84043

Hahn, C.E.W. *see* Albery, W.J. 9—62412

Hahn, D., Terlecki, G., Scheid, W. Theory of molecular collective excitation in the scattering of identical nuclei 9—89256

Hahn, D. *see* Terlecki, G. 9—97730

Hahn, E.W. *see* Kim, J.H. 9—92157

Hahn, F.F. *see* Benjamin, S.A. 9—88135

Hahn, G.M. *see* Marmor, J.B. 9—62290, 9—62315

Hahn, H., Zatz, S. The longitudinal coupling impedance of step discontinuities in a circular beam tube 9—72115

Hahn, H.M. Threat to the ozone layer not yet averted 9—96492

Hahn, H.T. *see* Awerbuch, J. 9—57093

Hahn, H.T. *see* Witt, W.P. 9—77006

Hahn, J. The cycle of atmospheric nitrous oxide 9—70871

Hahn, K., Reyher, H.J., Vetter, T., Winnacker, A. Evidence for a second relaxed excited state of the F-centre in alkali halides from optically detected electron spin resonance 9—87335

Hahn, K. *see* Reyher, H.J. 9—73812

Hahn, N. *see* Marmor, J.B. 9—62290

Hahn, Y., Retter, J.A. Modified multiple scattering expansion with strong three-particle correlations 9—54416

Hahne, E. *see* Arafa, A. 9—62045

Hahne, E. *see* Schwaigerer, W. 9—62048

Hahne, H.J. *see* Brennecke, R. 9—70624

Hai-Fu Fan *see* Fan Hai-Fu

Hai-Kuin Ch'ang *see* Ch'ang Hai-Kuin

Hai-Lung Dai, Kung, A.H., Moore, C.B. Resonant multiphoton dissociation and mechanism of excitation of ethyl chloride 9—100414

Hai-tao Cai *see* Cai Hai-tao

Hai-yang Cheng, Fischbach, E. Analysis of weak-interaction effects in high-transverse-momentum hadron-hadron collisions. II. Implications of quantum chromodynamics 9—63559

Haidar, N.H.S. Sensitivity of the break-even rating of nuclear power with conventional power to the variation of certain technico-economic parameters 9—79362

Haider, G., Happ, H. Far infrared investigation of the dielectic function of KNO_3 by asymmetric Fourier spectroscopy 9—51947

Haidt, D. *see* Blietschau, J. 9—93396

Haidt, D. *see* Bonetti, S. 9—49509

Haidt, D. *see* Ciampolillo, S. 9—71739

Haidt, D. *see* Pohl, M. 9—49507

Haiduc, C., Bercovici, D., Munteanu, C. Heat transfer through forced convection in the curvature area of the vertical steam generator tubes for nuclear electric plants 9—98729

Haiduk, M. *see* Somogy, A. 9—80173

Haidvogel, D.B., Zang, T. The accurate solution of Poisson's equation by expansion in Chebyshev polynomials 9—49023

Haig, C.M. *see* Haig, D.C. 9—88178

Haig, D.C., Kulick, J.H., Haig, C.M., Challis, T.W. Automated screening of chest X-rays: image segmentation and cardiac silhouette analysis 9—88178

Haigh, J. *see* Elliott, C.R. 9—74106

Haigh, J.D., Pyle, J.A. A two-dimensional calculation including atmospheric carbon dioxide and stratospheric ozone 9—62564

Haight, R.C., Dalgas, D.R. A secondary-electron time pickoff for pulsed charged-particle beams 9—97957

Haight, R.C., Grimes, S.M., Alvar, K.R., Barschall, H.H. Production of hydrogen, deuterium, and helium by 15-MeV neutrons 9—93831

Haight, R.C., Rambo, C., Cormier, J., Garibaldi, J.L. A high-pressure thin-window gas cell 9—93859

Haight, R.C. *see* Grimes, S.M. 9—67750

Haigler, H., Cohen, S., Ash, J.F., Singer, S.J. Visualization by fluorescence of the binding and internalization of epidermal growth factor in human carcinoma cells A-431 9—92189

Haijima, K. *see* Tokita, S. 9—96304

Haik, M. *see* Appel, B.R. 9—83668

Haile, J.M. *see* Holland, P.M. 9—77332

Haim, E. *see* Albert, R. 9—56965

Haimson, J. X-ray source without moving parts for ultra-high speed tomography 9—66541

Haine, F., Bruneel, C., Torguet, R., Bridoux, E. New sector-scan imaging devices 9—86311

Haine, F. *see* Cauvard, P. 9—55266

Haines, C.R. *see* Bryan, A.C. 9—97215

Haines, J.W. *see* Crawley, F.E.H. 9—62366

Haines, R.A. *see* Candela, G.A. 9—87292

Haire, M.J., Wichner, R.P. ^{90}Sr migration in Peach Bottom HTGR fuel element graphite 9—67869

Haisch, B.M. *see* Van Der Hucht, K.A. 9—71028

Haisler, R.L. *see* Sakurada, Y. 9—54680

Haissinski, J. *see* Courau, A. 9—67529

Haitsma, Y. *see* Blommestijn, G.J.F. 9—76003

Hajdo, L.E., Eringen, A.C. Theory of light reflection by cholesteric liquid crystals possessing a pitch gradient 9—91396

Hajdu, F. *see* Babic, E. 9—73489

Hajduk, C., Sauer, P.U. Effect of the $\Delta(1236)$ isobar on the three-nucleon bound states 9—75858

Hajduk, Ch., Sauer, P.U. The three-nucleon bound state computed with explicit $\Delta(1236)$ components 9—67673

Hajduk, J.C. *see* Kiefer, J.H. 9—61854

Hajduk, J.-C.J. *see* Truhlar, D.G. 9—61850

Hajdukova, M. *see* Stohl, J. 9—84752

Hajek, J. Non-autonomous clocks 9—49208

Hajek, M. *see* Potucek, J. 9—96500

Hajela, G.P., Katz, B. Effect of noncondensable gases on geothermal power generation 9—52878

Hajicek, P. *see* Farrugia, C.H. 9—88855

Hajimoto, Y., Matsushima, M., Ogura, S. Solid state electrochromism in WO_3 9—78655

Hajj, F.Y. A simple method for the potential in ionic crystals 9—65026

Hajjar, V. *see* Roussel, J. 9—63882

Hajra, J.P. Thermodynamics of Cu-Mn alloys 9—66339

Hajto, J., Ewen, P.J.S. Natural optical activity and related phenomena in As_2S_3 glasses 9—73895

Hajto, J., Ewen, P.J.S. Natural optical activity and related phenomena in As_2S_3 glasses 9—95727

Hakakeyama, I., Tsuchiya, H. Fusion splices for single-mode optical fibers by discharge heating 9—90021

Hakala, D. *see* Baldwin, G.C. 9—50153

Hakanson, L. Optimization of lake hydrographic surveys 9—53378

Haken, H. Synergetics: some recent trends and developments 9—75480

Haken, H., Olbrich, H. Analytical treatment of pattern formation in the Gierer-Meinhardt model of morphogenesis 9—62210

Hakfoort, C. *see* Groenink, J.A. 9—95835

Hakim, R. Infinite diffusion velocity and causality in special relativity 9—63027

Hakim, R. Relativistic quantum statistical mechanics 9—67225

Hakim, R. Could the coherence of the 3K black body radiation give indications on cosmological models? 9—97108

Hakim, R. *see* Alvarez, E. 9—63424

Hakim, S.J., Abramson, P.B. Effect of fluid-to-structure heat transfer on the structural damage potential to a liquid-metal fast breeder reactor 9—81023

Hakim, S.J., Bauer, T.H., McNary, R.O. Thermal conditions controlling subassembly failure propagation during the transition phase in an LMFBR 9—49758

Hakim, S.J., Kennedy, J.M. Mechanical failure of subassembly ducts and its effects on transition-phase analysis 9—85667

Hakim, T.S. *see* Maron, M.B. 9—88108

Hakkila, E.A., Cobb, D.D., Dietz, R.J., Shipley, J.P., Smith, D.B. Requirements for near-real-time accounting of strategic nuclear materials in nuclear fuel reprocessing 9—85755

Hakkila, E.A. *see* Dayem, H.A. 9—85738

Hakl, J. *see* Bina, V. 9—91740

Hakla, J.P. *see* Narasimham, V.M.L. 9—72645

Hakomori, K. *see* Igata, N. 9—70077

Hakuno, M. *see* Fujino, Y. 9—70748, 9—70753

Hakuno, M. *see* Sasaki, Y. 9—70752

Hakuta, K., Uehara, H. Laser magnetic resonance spectra of ClO_2 tuned by the avoidance of Zeeman level crossing: perpendicular spectra of $^{R}R_1(1)(\nu_1=1\leftarrow0)$ 9—68229

Hakuta, K., Uehara, H. Laser magnetic resonance spectra of ClO_2 tuned by the avoidance of Zeeman level crossing: high-field spectra of $^{P}P_2(2)(\nu_1=1\leftarrow0)$ 9—76424

Halama, H.J. Performance of vacuum components operating at 1×10^{-11} Torr 9—81105

Halama, H.J. *see* Aggus, J. 9—76199

Halamkova, P. *see* Sebkova, J. 9—91626

Halary, J.L., Noel, C., Monnerie, L. Analysis of transport phenomena in cellulose diacetate membranes. II. Pressure effects on permeability characteristics in reverse osmosis 9—96361

Halary, J.-L. *see* Grochalski, B. 9—52756

Halas, S. An automatic inlet system with pneumatic changeover valves for isotope ratio mass spectrometer 9—49333

Halasa, R. *see* Ram, B. 9—93392

Halaxova, Z. *see* Keprt, J. 9—72534

Halbach, K. Strong rare earth cobalt quadrupoles 9—68083

Halbach, K. *see* Avery, R.T. 9—68105

Halbach, K. *see* Main, R.M. 9—68104

Halbach, K. *see* Reimers, R. 9—68103

Halbach, R.E., Battocletti, J.H., Sances, A., Jr., Bowman, R.L., Kudravcev, V. Cylindrical crossed-coil NMR limb blood flowmeter 9—62328

Halbach, R.E. *see* Battocletti, J.H. 9—83880

Halbert, M.L. Nuclear data sheets for A=62 9—71777

Halbert, T.R., Scanlon, J. Organometallic interaction compounds of FeOCl 9—65066

Halbig, J.K. *see* Duke, C.L. 9—67663

Halbig, M. *see* Bame, S.J. 9—58197

Halbleib, J.A., Morel, J.E. TIGERP 9—54079

Halbleib, J.A., Sr. *see* McArthur, D.A. 9—49777

Halbout, J.M. *see* Cassidy, C. 9—59759

Halbritter, J. On weak superconducting spots in Nb_3Sn 9—56386

Halbritter, J. *see* Yoshida, K. 9—68059

Haldeman, J.K. *see* Baldwin, T.O. 9—86821

Haldeman, M. *see* Barsotti, E. 9—49919

Halder, N.C. Self-consistency in the calculation of electron effective mass 9—77990

Halder, N.C. *see* Li, P.L. 9—56334

Halderson, D., Philpott, R.J. Recoil corrected continuum shell model calculations for four-nucleon systems 9—67684

Hale, E.B. *see* Cooper, C.M. 9—82693

Hale, G.M., Dodder, D.C. Charge-independent R-matrix analysis of the four-nucleon system 9—85479

Hale, P.G. *see* Almeida, J.B. 9—72723

Haleem Ain el Hiah Abd el *see* Ain el Hiah Abd el Haleem

Halen, P.van *see* van Halen, P.

Hales, J.M. *see* Miller, D.F. 9—74575

Hales, J.W. Second-phase precipitation in irradiated Type 316 stainless-steel cladding 9—54501

Halevi, P., Fuchs, R. Excitons and nonlocal optical properties of semiconductors 9—95345

Halfdanarson, J., Hauffe, K. On the electrokinetic properties of positively charged toner dispersions and electrostatic image development 9—80713

Halfdanarson, J., Hauffe, K. Triboelectric effects of Li_2O-doped zinc oxide 9—82663

Halff, A.F. The ionic conductivity of PbFBr 9—60545

Halff, A.F., Schoonman, J. Lead fluorohalides (PbFX): ionic conductivity and deviations from molecularity 9—51305

Halff, A.F., Schoonman, J. The ionic conductivity of PbFCl 9—55927

Halford, D. *see* VandeVoorde, P. 9—73555

Halg, W. *see* Auerbach, T. 9—81082

Halg, W. *see* Brandt, D. 9—97746

Halg, W. *see* Buhrer, W. 9—77699

Halg, W. *see* Furrer, A. 9—78352

Halgas, F.A. *see* Larsen, L.E. 9—88216

Halgren, E., Babb, T.L., Crandall, P.H. Activity of human hippocampal formation and amygdala neurons during memory testing 9—62225

Halicioglu, T., Pound, G.M. A calculation of the diffusion energies for adatoms on surfaces of FCC metals 9—77923

Halicioglu, T. *see* Yang, C.Y. 9—77957

Halil, M. *see* Yalcin, C. 9—89161

Halim Demirci, A. *see* Krause, H. 9—91699

Halitsky, J. Wind tunnel modeling of heated stack effluents in distributed flows 9—92564

Hall, A.N. Finite ion Larmor radius modifications to the firehose and mirror instabilities 9—73003

Hall, A.R. *see* Malow, G. 9—49790

Hall, A.S. *see* Rangan, B.V. 9—96087

Hall, C. *see* Ferriss, D.H. 9—98737

Hall, C. *see* Gummerson, R.J. 9—98840

Hall, C.A., Raymund, M., Palusamy, S. A macro element approach to computing stress intensity factors for three dimensional structures 9—72854

Hall, D.G., Rice, R.R., Zino, J.D. Simple Gaussian-beam model for GaAlAs double-heterostructure laser-diode-to-diffused-waveguide coupling calculations 9—94372

Hall, D.J., Mash, C.J., Pemberton, R.C. Vapour-liquid equilibrium for the systems water+methanol, water+ethanol, methanol+ethanol and water+methanol+ethanol 9—99305

Hall, D.N.B. *see* Scoville, N.Z. 9—101184

Hall, D.O., McVeigh, J.C. The UK solar energy programme in 1977 9—57369

Hall, D.S. *see* Lovell, L.P. 9—62823

Hall, D.S. *see* Zeilik, M. 9—84826

Hall, E.J., Astor, M. The oxygen enhancement ratio for negative pi mesons 9—88126

Hall, E.J., Kellerer, A.M., Rossi, H.H., Lam, Y.D. The relative biological effectiveness of 160 MeV protons. II. Biological data and their interpretation in terms of microdosimetry 9—62306

Hall, E.L. *see* Kingery, W.O. 9—70069

Hall, E.L. *see* Sande, J.B.V. 9—87796

Hall, F.F., Jr. Twilight sky colors: observations and the status of modeling 9—100944

Hall, F.M. *see* Wells, C.P. 9—74744

Hall, G.L. Correction to Fuchs' calculation of the electrostatic energy of a Wigner solid 9—73130

Hall, H.E. A phenomenological model of collapsed superflow and orbital relaxation in superfluid ^{3}He-A 9—51348

Hall, H.E. *see* Bagley, M. 9—51347

Hall, H.E. *see* Hook, J.R. 9—51337

Hall, H.T., Jr. *see* Stringfellow, G.B. 9—78899

Hall, I.H., Rammo, N.N. The structure and properties of oriented fibers of poly(pentamethylene terephthalate). II. Structural analysis of two different crystalline phases by X-ray crystallography 9—73108

Hall, J., Simmons, G. Seismic velocities of Lewisian metamorphic rocks at pressures to 8 kbar: relationship to crustal layering in North Britain 9—84137

Hall, J.A., Hall, P.C. A multiple volume blowdown experiment and comparison with RELAP-UK predictions 9—93814

Hall, J.L. Stabilized lasers and precision measurements 9—55151

Hall, J.L. *see* Seemuth, D.P. 9—84918

Hall, J.L. *see* Uehara, K. 9—76470

Hall, J.M., Jamison, K.A., Weaver, O.L., Richard, P. Internal resonance Raman scattering of characteristic target K X-rays in thick silicon targets 9—61465

Hall, J.M. *see* Clark, M.J. 9—84215

Hall, J.M. *see* Gardner, R.K. 9—78794

Hall, J.R., Johnson, R.A., Shurvell, H.F. Raman and infrared spectra of potassium nitrilosulphonate dihydrate, $K_3N(SO_3)_3.2H_2O$, and its ^{15}N derivative: a normal coordinate analysis of the ion, $N(SO_3)_3^{3-}$ 9—91433

Hall, J.R. *see* Kuhlmann, E. 9—89266

Hall, J.R. *see* Phillips, T.W. 9—67743

Hall, K.R. *see* Walton, C.W. 9—51271

Hall, L.S. *see* Neil, V.K. 9—72031

Hall, M.A. Electrostatic application of red dye penetrants and dry powder developers to massive nuclear components 9—91872

Hall, M.M., Jr. Multiaxial in-reactor creep in the presence of significant swelling 9—55818

Hall, M.M., Jr. Multiaxial creep equations for nonlinear and volume-nonconservative in-reactor creep 9—59164

Hall, M.M., Jr. *see* Summers, J.R. 9—54478

Hall, M.O., Jules, C. Phagocytosis of light- and dark-adapted rod outer segments by cultured pigment epithelium 9—62249

Hall, M.W. *see* Marks, R.J., II 9—94158

Hall, N.F.T. *see* Petersson, L.-G. 9—65314

Hall, N.W., Dalrymple, J.B. A method for making serial thin sections of soils and other unconsolidated materials 9—80040

Hall, P., Walton, I.C. Benard convection in a finite box: secondary and imperfect bifurcations 9—50725

Hall, P.C. *see* Hall, J.A. 9—93814

Hall, P.G., Leadbetter, A.J., Pidduck, A., Wright, C.J. Quasi-elastic scattering from thin films of water adsorbed at a silica surface 9—60643

Hall, P.M., Morabito, J.M. Compositional depth profiling by Auger electron spectroscopy 9—52053
Hall, P.M., Morabito, J.M. Matrix effects in quantitative Auger analysis of dilute alloys 9—69927
Hall, R.B., Kaldor, A. Multiple IR photon laser induced reactions of cyclopropane 9—66312
Hall, R.B. *see* McKay, J.A. 9—86595
Hall, R.I. *see* Gresteau, F. 9—89616, 9—89617
Hall, R.L. Non-local interactions and the N-boson problem 9—71296
Hall, R.L., Kalman, C.S. Extension of the logarithmic potential to multiquark systems: dependence of the energy of depth and range 9—54309
Hall, R.M. Liquid nitrogen in the reclamation industry 9—58712
Hall, R.W., Board, S.J. The propagation of large scale thermal explosions 9—86449
Hall, S.A. Geomagnetic secular variation and secular acceleration in the Red Sea area 9—88248
Hall, S.J. Opto-coupled system for photomultiplier blanking 9—81137
Hall, S.W. *see* Ropp, R.C. 9—99595
Hall, T.J. High-linearity multimode optical fibre sensor 9—68429
Hall, T.J. *see* Kingsley, S.A. 9—72717
Hall, T.M. *see* Wagner, A. 9—67437
Hall, W.C. Modulatable acousto-optical variable ratio laser-beam splitter 9—81538
Hall, Z.W. *see* Maxwell Cowan, W. *(editor)* 9—96540
Hallam, J., Clarke, R.H. The use of census data in assessing collective doses from airborne discharges of radioactivity 9—59271
Halle, H. *see* Chung, H. 9—49665
Haller, E.E. Photoelectric spectroscopy of remanent impurities in ultrapure germanium and silicon 9—87125
Haller, E.E., Hubbard, G.S. The formation of impurity groups in ultrapure germanium 9—82627
Haller, E.E., Hueschen, M.R., Richards, P.L. Ge:Ga photoconductors in low infrared backgrounds 9—63305
Haller, E.E. *see* Hubbard, G.S. 9—81130
Haller, G.L. *see* Prada-Silva, G. 9—74376
Haller, H. *see* Frese, H. 9—72083
Haller, W. *see* Jednacak-Biscan, J. 9—78152
Hallett, J. *see* Sax, R.I. 9—100920
Hallett, W.L. *see* Raithby, G.D. 9—66751
Halley, J.W., Mai, T. Numerical estimates of the Hausdorff dimension of the largest cluster and its backbone in the percolation problem in two dimensions 9—97316
Halley, J.W. *see* Bowman, D. 9—73726
Hallgren, A. *see* Ingemarsson, A. 9—59060
Halliburton, L.E., Perison, B.D., Weeks, R.A., Weil, J.A., Wintersgill, M.C. EPR study of the E_4' center in α-quartz 9—73810
Halliday, A.N. ^{40}Ar-^{39}Ar stepheating studies of clay concentrates from Irish orebodies 9—66684
Halliday, B. A cryo pump system developed for use in the high voltage centre terminal of a tandem Van de Graaff 9—63253
Halliday, B.S. *see* Bradshaw, D.J. 9—67988
Halliday, D. Automatic enlarger timer 9—67406
Halliday, I.G., Suranyi, P. Convergent perturbation series for the anharmonic oscillator 9—88836
Halliday, J.W., Caspersen, J.M., Nickerson, C.L., Rees, C.W., Taub, I.A. ESR studies of transient free radicals in irradiated food components 9—52699
Halliday, R.J. *see* Shannon, W.E. 9—66837
Hallidy, W., Ludvigsen, M. Momentum and angular momentum in the H-space of asymptotically flat, Einstein-Maxwell space-times 9—49137
Hallin, R. *see* Alvarez, E. 9—93945, 9—93951
Hallinan, T.J. *see* Stenbaek-Nielsen, H.C. 9—96851
Halling, J. *see* El-Sherbiny, M. 9—82427
Halliwell, N.A. Laser-Doppler measurement of vibrating surfaces: a portable instrument 9—68666
Hallmann, D. Digital illumination clock with TTL ICs 9—49315
Hallock, R.B. *see* Brooks, J.S. 9—51381
Hallock, R.B. *see* Ekholm, D.T. 9—51378, 9—73360
Hallock, R.B. *see* Weiss, B.L. 9—51322
Halloran, B.P., Kirk, R.G., Spurr, A.R. Quantitative electron probe microanalysis of biological thin sections: the use of stem for measurement of local mass thickness 9—62416
Halloran, M. *see* Fulton, J. 9—83980
Halls, H.C. The structural relationship between Archean granite-greenstone terrains and late Archean mafic dikes 9—57881
Halls, H.C. Separation of multicomponent NRM: combined use of difference and resultant magnetization factors 9—66826
Halls, N.A., Tallentire, A. A centrifugal method for bacteriological testing of medical grade papers 9—84045
Hallstadius, L. Extended measurements of isotope shifts in Mg I 9—72279
Hallwachs, H. *see* Eckl, W. 9—53501
Halmai, E. Ceramic base length comparator 9—80570
Halme, S.J. *see* Sharma, A.B. 9—76809
Halmshaw, R. The present role of radiological methods in engineering 9—79191
Halmshaw, R. Defect size measurement by radiography 9—91858
Halonen, V., Williams, B. Multiple scattering in the Compton effect. Relativistic cross section for double scattering 9—69898
Halotier, D. *see* Guinet, P. 9—74547
Halouani, F.E. *see* Traore, H. 9—79259
Halperin, A. Primary regulated dual power supply [for laser] 9—98396
Halperin, A. *see* Lepek, A. 9—69546
Halperin, A. *see* Roth, M. 9—83011
Halperin, B., Englman, R. On the relation between the Huang-Rhys number and properties of the host lattice 9—83018
Halperin, B.I. *see* Nelson, D.R. 9—73287
Halperin, B.I. *see* Pelcovits, R.A. 9—77497, 9—77514
Halperin, B.I. *see* Petschek, R.G. 9—61251
Halperin, J. *see* Macklin, R.L. 9—80933, 9—80935, 9—85471
Halperin, J. *see* Perez, R.B. 9—93590
Halperin, W.P. On the use of CMN thermometry in specific heat measurements below 10 mK 9—88955
Halperin, W.P. *see* Bastuscheck, C.M. 9—63219
Halpern, A.M., Thomas, B.K. Physically sound orthogonality procedures for atomic physics calculations 9—72429
Halpern, B.L. *see* Prada-Silva, G. 9—74376
Halpern, D. Comparison of low-level cloud motion vectors and moored buoy winds 9—84394
Halpern, G. *see* Yaakobi, B. 9—54598
Halpern, G.M. *see* Deckman, H.W. 9—54594
Halpern, I. *see* Aniol, K. 9—85516
Halpern, I. *see* Jeppesen, R.H. 9—85533
Halpern, J.B. *see* Jackson, W.M. 9—54928
Halprin, A. *see* Barnhill, M.V. 9—93378
Halsall, D. *see* Delpy, D.T. 9—100783
Halsall, H.B. *see* Heineman, W.R. 9—79709
Halsey, G.W. *see* Fox, K. 9—72363
Halstead, T.K. *see* Slade, R.C.T. 9—87329
Halsteinslid, A. *see* Armenise, N. 9—67533
Halsteinslid, A. *see* Morfin, J.G. 9—71740
Halter, E. *see* Ploke, G. 9—91879
Haltom, T.L., Arakawa, E.T., Williams, M.W., Kretschmann, E. Refractive index of LiF films as a function of time 9—65940
Haltsonen, S., Bry, K.J. Automatic selection of phonemes from an equally spaced quasi-phoneme string by the entropy principle 9—59891
Haluk, M. *see* Krizancic, I. 9—80717
Halverson, J.E., Johnson, W.H., Jr. Atomic masses of selected isotopes of erbium, hafnium, and osmium 9—89228
Halverson, W. *see* Karmendy, C. 9—60162
Halverson, W. *see* Loter, N.G. 9—60192
Halzen, F. Hadronic production of charmed and other favorite particles 9—67610
Ham, D.O. *see* Wei-shin Tsay 9—68283
Ham, F.S. *see* Thomchick, J. 9—56857
Ham, T.E. *see* Chia-Ren Hu 9—55993
Ham, V. *see* German, R.M. 9—74125
Ham, W.E. The electrical characterization of heteroepitaxial semiconducting films 9—82699
Ham, W.T., Jr. *see* Moon, M.E. 9—53114
Hama, S. *see* Kitazoe, T. 9—63496
Hama, Y. Large-$p_\perp$ distributions of particles in the hydrodynamical approach 9—49490
Hama, Y. Hydrodynamical description of the missing-mass clusters 9—71728
Hama, Y. *see* Franca, H.M. 9—89190
Hamada, F., Shimoda, K., Hirano, K. Streak mode interferometric study of plasma focus 9—73042
Hamada, K., Takahashi, H., Sato, H., Suwa, A. Present situation of earthquake prediction research in Japan 9—62456
Hamada, N. Local environment effect on the atomic magnetic moment in ferromagnetic transition-metal alloys. I 9—82763
Hamada, T. *see* George, E.P. 9—94804
Hamada, Y. *see* Kawahata, K. 9—50891
Hamagaki, H., Nojiri, Y. Study of hyperfine interactions of ^{12}B and ^{12}N in ferromagnetic nickel with use of a new NMR method 9—51865
Hamagaki, M. *see* Hara, T. 9—86169
Hamaguchi, C. *see* Adachi, S. 9—51971, 9—56802, 9—61390, 9—65887, 9—78696, 9—91456
Hamaguchi, C. *see* Itoh, Y. 9—78695
Hamaguchi, C. *see* Kasai, K. 9—51614
Hamaguchi, C. *see* Okuda, R. 9—51213
Hamaguchi, C. *see* Senda, K. 9—82600, 9—91080
Hamaguchi, C. *see* Wasa, K. 9—51974
Hamaguchi, Y. *see* Hiramatsu, S. 9—63238
Hamajima, T. *see* Irisawa, J. 9—86598
Hamakawa, Y., Okamoto, H., Nitta, Y. A new type of amorphous silicon photovoltaic cell generating more than 2.0 V 9—100518
Hamakawa, Y. *see* Nakagawa, T. 9—69780
Hamakawa, Y. *see* Okamoto, H. 9—87098
Hamakawa, Y. *see* Okuyama, M. 9—78164, 9—100052
Hamakawa, Y. *see* Sasai, Y. 9—87058
Hamaker, H.C., Woolf, L.D., MacKay, H.B., Fisk, Z., Maple, M.B. Possible observation of the coexistence of superconductivity and long-range magnetic order in $NdRh_4B_4$ 9—82730
Hamaker, H.C. *see* Woolf, L.D. 9—60948
Hamaker, J. Calculations of the heat balances of an apartment house 9—61948
Hamaker, J., de Wit, M. Tilt, orientation and overshadowing of solar collectors in the Netherlands 9—62073
Hamal, K. Current status and future prospects of the technology of laser tracking of satellites 9—66906
Hamal, K., Krajicek, V., Kubecek, V., Novotny, A., Vrbova, M., Schelev, M.Ya., Serduchenko, J.N., Vorobjov, N.S. Nearly online picosecond streak camera diagnostics of the CW mode-locked YAG laser radiation 9—49314
Hamalainen, R.P. Optimization concepts in models of phsyiological systems 9—74591
Hamamoto, I., Sagawa, H. E1 polarization charge in rotating nuclei 9—85405
Hamamoto, K. *see* Waka, Y. 9—50063
Hamamoto, S. Nonlinear realization of general covariance group: theory with massless tensor graviton and massive vector tordion 9—54030
Hamamsy, M.E. *see* Elnahwy, S.A. 9—60709
Hamamura, K., Takenouchi, K. Growth and morphology of copper-nickel alloys crystal by hydrogen reduction of a CuI-$NiBr_2$ mixture 9—60665
Hamana, S. *see* Hirayama, T. 9—80292
Hamankiewicz, M.S. *see* Ciach, R. 9—56980
Hamann, D. *see* John, W. 9—82532
Hamann, D.R. *see* Feibelman, P.J. 9—91120
Hamann, D.R. *see* Safran, S.A. 9—60306
Hamann, S.D. Infrared spectra and phase transitions of solids under pressure. VII 9—95743
Hamano, A. *see* Kawaguti, M. 9—55418
Hamano, H., Arai, G. Discrimination between exposed and unexposed silver halide grains in photographic development 9—83447
Hamano, K. *see* Hirotsu, S. 9—55833
Hamano, K. *see* Kamizono, H. 9—74124
Hamano, K. *see* Kanzaki, S. 9—74188
Hamano, K. *see* Yamaguchi, T. 9—63270
Hamanoue, K., Okamoto, M., Teranishi, H., Hirayama, S., Nakayama, T. Picosecond laser photolysis and the time resolved absorption spectrum of the organic molecules 9—79272
Hamasaka, N. *see* Tanaka, K. 9—65959
Hamasaki, K. *see* Irie, F. 9—65612
Hamasaki, M. *see* Shi-Chien Lin 9—76072, 9—76073
Hamashima, K. *see* Miura, S. 9—66116
Hamashima, M. *see* Ajiro, Y. 9—78414
Hamashima, S. *see* Inoue, Y. 9—52733
Hamdani, A.J. *see* Gustafsson, S. 9—50572
Hamed, A. *see* Tabakoff, W. 9—61745
Hamedi, M.H. *see* Grolier, J.-P.E. 9—66328
Hamedoun, M. *see* Boccara, N. 9—61121
Hameed, S., Pinto, J.P., Stewart, R.W. Sensitivity of the predicted CO-OH-CH_4 perturbation to tropospheric NO_x concentrations 9—58043
Hameetman, G.J. IRAS on-board software 9—80192
Hameiri, E., Hammer, J.H. Unstable continuous spectrum in magnetohydrodynamics 9—94779
Hameka, H.F. *see* McIntyre, E.F. 9—54786
Hameka, H.F. *see* Zamani-Khamiri, O. 9—98242
Hamel, B.B. Disparate mass mixture flows 9—94657
Hamel, F., Bailon, J.P., Bassim, M.N. Constructive and destructive interference in acoustic emission during fatigue crack propagation 9—86313
Hamel, J.L. *see* Aknin, J.P. 9—68001
Hamelin, B., Lambret, B., Joron, J.-L., Treuil, M., Allegre, C.J. Geochemistry of basalts from the Tyrrhenian Sea 9—53329
Hamelin, B. *see* Manhes, G. 9—88315
Hamelin, J., Mabboux, C., Pajot, C., Sourice, J. Observation of the shadow of O_3 on the D layer in the ionospheric VLF guide over the Atlantic Ocean 9—58161
Hamer, C.J., Kogut, J.B., Susskind, L. Strong-coupling expansions and phase diagrams for the O(2), O(3), and O(4) Heisenberg spin systems in two dimensions 9—71378
Hamer, N.D. *see* Freasier, B.C. 9—59526
Hamernik, R.P. *see* Henderson, D. 9—74687
Hamersky, J., Zalis, K. Investigation of metal film deposition properties on a specially prepared substrate 9—90917
Hamersky, M. *see* Maksimyuk, P.A. 9—87673
Hamid, S.A. Pyroelectric infrared radiation detector using $Ba(NO_2)_2.H_2O$ 9—80685
Hamil, R.A., Drummond, D.L., Schlie, L.A., Benedict, R.P. UV preionized thallium-mercury discharge 9—55119
Hamill, G.P., Vreeland, T., Jr. Diffracted beam-transmitted beam Borrmann X-ray topography in copper. A novel method of stereo depth topography 9—86795
Hamill, P. Particle deposition due to turbulent diffusion in the upper respiratory system 9—66478
Hamill, P. *see* Cuzzi, J.N. 9—53769
Hamill, T.A. *see* Dunwoody, N.T. 9—98810

Hamill, W.H. Debye-Edwards electron recombination kinetics 9—87495
Hamill, W.H. *see* Funabashi, K. 9—78697
Hamilton, B. *see* Brunwin, R. 9—65402
Hamilton, B. *see* Peaker, A.R. 9—99560
Hamilton, C.H. *see* Ghosh, A.K. 9—83269
Hamilton, C.H. *see* Paton, N.E. 9—52323
Hamilton, C.J. *see* Brogli, R.H. 9—49696
Hamilton, C.Lee *see* Lee Hamilton, C.
Hamilton, D. *see* Ammosov, V. 9—71737
Hamilton, D. *see* Berge, J.P. 9—71741
Hamilton, D. *see* Efremenko, V.I. 9—75763
Hamilton, D.L., Freestone, I.C., Dawson, J.B., Donaldson, C.H. Origin of carbonatites by liquid immiscibility 9—57928
Hamilton, D.S., Heiman, D., Feinberg, J., Hellwarth, R.W. Spatial-diffusion measurements in impurity-doped solids by degenerate four-wave mixing 9—64274
Hamilton, D.S. *see* Heiman, D. 9—95792
Hamilton, E.L. Sound velocity gradients in marine sediments 9—68465
Hamilton, G.W., Trobaugh, G.B., Ritchie, J.L., Gould, K.L., DeRouen, T.A., Williams, D.L. Myocardial imaging with ^{201}thallium: an analysis of clinical usefulness based on Bayes' theorem 9—88170
Hamilton, G.W. *see* Bacal, M. 9—64825, 9—73045
Hamilton, G.W. *see* Fink, J.H. 9—49836
Hamilton, G.W. *see* Moir, R.W. 9—71972
Hamilton, J. *see* Hui, W.H. 9—77147
Hamilton, J.C. Prediction of surface segregation in binary alloys using bulk alloy variables 9—65300
Hamilton, J.F. *see* Apai, G. 9—81317
Hamilton, J.F. *see* Bunch, P.C. 9—74752
Hamilton, J.H., Robinson, R.L., Ramayya, A.V. Discovery of multiple collective band structures in nuclei with A=60-80 9—80865
Hamilton, J.H. *see* de Lima, A.P. 9—54377
Hamilton, J.H. *see* Peker, L.K. 9—93503, 9—93548
Hamilton, J.H. *see* Piercey, R.B. 9—54393
Hamilton, J.M., Jr. *see* Bailey, C.D. 9—91875
Hamilton, J.R. *see* Houlihan, J.F. 9—96479
Hamilton, K.P. A variational principle for the acoustic attenuation of metals in the collision regime 9—82648
Hamilton, P.J., Evensen, N.M., O'Nions, R.K., Smith, H.S., Erlank, A.J. Sm-Nd dating of Onverwacht Group Volcanics, southern Africa 9—62469
Hamilton, P.J. *see* Carter, S.R. 9—66693, 9—100821
Hamilton, R.A. Geomagnetic polarisation anomaly at South Georgia 9—74835
Hamilton, T.T. *see* Anderson, D.F. 9—80222
Hamilton, W.D. Time-reversal invariance in the hadronic interaction 9—63386
Hamilton, W.D. *see* Rikovska, J. 9—59031
Hamilton, W.D. *see* Scott, S.M. 9—93499
Hamilton, W.O. *see* Blair, D.G. 9—51704
Hamlen, S.S., Hamlen, W.A., Jr., Tschirhart, J.T. Geometric Brownian distribution of solar radiation with an economic application 9—83571
Hamlen, W.A., Jr. *see* Hamlen, S.S. 9—83571
Hamlet, R. *see* Carr, K.E. 9—62300
Hamlet, S.L., Cullison, B.L., Stone, M.L. Physiological control of sibilant duration: insights afforded by speech compensation to dental prostheses 9—74692
Hamlin, A.G. The new challenge 9—97817
Hamm, M.E. *see* Carrington, R.L. 9—76257
Hamm, M.E. *see* Clark, D.A. 9—71995
Hamm, M.E. *see* Dam, S.H. 9—85536
Hamm, R.N., Wright, H.A., Turner, J.E. Influence of beam characteristics and detector size in negative-pion dose studies 9—53253
Hamm, R.N. *see* Turner, J.E. 9—67961
Hamm, R.W. *see* Clark, D.A. 9—71995
Hammad, F.H., Shaaban, H.I., Baron, J.L. Hydriding behaviour of Zircaloy-4/stainless steel type 304 diffusion couples 9—65200
Hammad, F.H. *see* Hafiz, M.M. 9—94917
Hammann, J. *see* Azevedo, L.J. 9—56356
Hammaren, E., Liukkonen, E., Piiparinen, M., Kownacki, J., Sujkowski, Z., Lindblad, Th. Ryde, H. Structural connections between ^{148}Sm and ^{149}Sm nuclei 9—63576
Hammaren, E. *see* Katajanheimo, R. 9—89231
Hamme, W.van *see* van Hamme, W.
Hammeke, K. *see* Banerjea, A. 9—69266
Hammel, E., Baier, H., Rinat, A.S. Relativistic corrections on three nucleon observables 9—85383
Hammel, G. *see* Fischer, Th. 9—75782
Hammel, G. *see* Hurster, W. 9—67571, 9—75784
Hammel, G. *see* Kleinschmidt, M. 9—75785
Hammel, J. Plastic over-bending and 'over-springing' of windings 9—90156
Hammel, J.J. *see* Makishima, A. 9—66394
Hammel, T.E. *see* Goebel, C.J. 9—52951
Hammelman, J.E., Nguyen, T.D., Mosteller, R.D., Hagan, W.K., Finn, S.P. Coprocessing: Technical feasibility and radioactivity impacts of partial plutonium-uranium separation 9—89419
Hammer, C. *see* Roll, K. 9—78800
Hammer, C.T., Wills, E.D. The effect of ionizing radiation on the fatty acid composition of natural fats and on lipid peroxide formation 9—96623
Hammer, D.A., Gerber, K.A., Ali, A.W. Beam-plasma heating model 9—73019
Hammer, D.A. *see* Greenspan, M.A. 9—85200
Hammer, J.H. *see* Cary, J.R. 9—64859
Hammer, J.H. *see* Hameiri, E. 9—94779
Hammer, J.W., Fischer, B., Hollick, H., Trautvetter, H.P., Kettner, K.U., Rolfs, C., Wiescher, M. Beam properties of the 4 MV Dynamitron accelerator at Stuttgart 9—54736
Hammer, P. *see* Bouget, Y.H. 9—59124
Hammer, R. *see* Ulmschneider, P. 9—62825
Hammer, S. Relative precision of vertical and horizontal gravity gradients measured by gravimeter 9—84500
Hammer, W. *see* Baglin, J. 9—99376
Hammer, W. *see* Petersson, S. 9—82471
Hammer, W.C. *see* Olsen, R.G. 9—96521
Hammer, W.N. *see* Baglin, J.E.E. 9—51443
Hammer-Wilson, M. *see* Berns, M.W. 9—66599
Hammerschlag-Hensberge, G. γCassiopeiae 9—84802
Hammerschlag-Hensberge, G., van den Heuvel, E.P.J., Zuiderwijk, E.J., de Loore, C. Spectroscopic observations of the early type B-supergiant Wray 977 (4U 1223—62): description of the spectrum and classification 9—80305
Hammerschmidt, H., Saiger, S. Determination of the homogeneity of sintered $(U,Cd)O_2$ mixed-oxide pellets 9—49804
Hammitt, F.G., De, M.K. Cavitation damage prediction 9—74265
Hammitt, F.G. *see* Steller, K. 9—61819
Hammon, R.W. *see* Baron, W.S. 9—74660
Hammon, R.W. *see* Scobey, R.P. 9—79537
Hammond, D.B. *see* Barnes, W.H. 9—92396
Hammond, E.J., Silva, D.A., Klein, A.J., Teas, D.C. A technique for separating endogenous from exogenous human cortical potentials 9—100794
Hammond, G.P. *see* O'Callaghan, P.W. 9—86476
Hammond, J.A. The AFGL absolute gravity system. A progress report 9—92607
Hammond, P. *see* Darby, C.F. 9—57800
Hammond, P.R. Self-absorption of molecular fluorescence, the design of equipment for measurement of fluorescence decay, and the decay times of some laser dyes 9—68255
Hammond, P.R. Laser dye DCM, its spectral properties, synthesis and comparison with other dyes in the red 9—76684
Hammond, P.R. Spectra of the lowest excited singlet states of rhodamine 6G and rhodamine B 9—81424
Hammond, R.H. *see* Collver, M.M. 9—60953
Hammond, R.P. Nuclear wastes and public acceptance 9—97820
Hammond, S.R., Seyb, S.M., Theyer, F. Geomagnetic polarity transitions in two oriented sediment cores from the northwest Pacific 9—88243
Hamnett, A. *see* Anderson, S. 9—91964
Hamon, O. *see* Corden, M.J. 9—75768
Hamouda, I. *see* Adib, M. 9—85466
Hamoui, A. *see* Papapetrou, A. 9—49134
Hampel, F. *see* Federer, B. 9—84542
Hampshire, J.M. *see* Hardie, D. 9—61625
Hampshire, M.J. *see* Thwaites, M.J. 9—87416
Hampshire, R. *see* Smith, D.C.G. 9—97897
Hampson, D.C. *see* Feldman, M.J. 9—89476
Hampson, N.A., Lakeman, J.B. Fundamentals of lead-acid cells. VIII. Potential step studies on the oxidation of porous lead electrodes in sulphuric acid 9—96438
Hampson, N.A., Lakeman, J.B. The oxidations of porous lead electrodes in sulphuric acid solutions 9—100514
Hampson, N.A. *see* Allen, P.D. 9—83384
Hampson, N.A. *see* Edwards, W.H. 9—96437
Hampson, W.G.J. *see* Shah, J.S. 9—100646
Hampton, R.R. Circuit based graphs for renormalized perturbation theory 9—71266
Hampton, S.J. *see* Mikosz, R.P. 9—92270
Hamrock, B.J., Dowson, D. Elastohydrodynamic lubrication of elliptical contacts for materials of low elastic modulus. II. Starved conjunction 9—90198
Hamstad, M.A. *see* Ono, K. 9—83419
Hamza, M.A. *see* Delpuech, J.-J. 9—65749
Hamza, V.M. Variation of continental mantle heat flow with age: possibility of discriminating between thermal models of the lithosphere 9—70764
Hamza, V.M., Eston, S.M., Araujo, R.L.C. Geothermal energy prospects in Brazil: a preliminary analysis 9—74487
Hamzeh, F.M. An analytic model of the minimum-average-B levitron 9—50876
Hamzeh, F.M. Calculations of the critical levitron's tilts 9—73025
Hamzic, A. *see* Babic, E. 9—60785
Hamzic, A. *see* Marohnic, Z. 9—56196
Han, C.C. Concentration dependence of the diffusion coefficient of polystyrene at theta-condition 9—77790
Han, C.C., McCrackin, F.L. Molecular weight and polydispersity measurements of polystyrene by quasielastic light scattering 9—96376
Han, J.T., Tomlinson, E.T. SAS3A simulations for a 19-pin dryout experiment 9—54547
Han, J.T. *see* Hanus, N. 9—85656
Han, J.T. *see* Machbitz, M. 9—85596
Han, K.N. *see* Vu, C. 9—61535
Han, K.S., Berzins, G.J. Application of a nonredundant pinhole array to a test fuel element at TREAT 9—93781
Han, S.H. *see* Lee, H.C. 9—66114
Han, S.M., Wu, S.T., Nakagawa, Y. Numerical study of an explosion in a non-homogeneous medium with and without magnetic fields 9—64778
Han, T. *see* Chow, W.L. 9—64773
Han, Y.H., Kreidl, N.J., Day, D.E. Alkali diffusion and electrical conductivity in sodium borate glasses 9—51300
Han Bao-shan, Jia Ke-chang, Lis Ying-lie, Li Jing-yuan Method for measuring the coercivity of magnetic bubble materials 9—71429
Han Bao-shan, Liu Ying-lie, Yu Zhe-hon Dynamic measurements of magnetic bubbles 9—99741
Han Chang Yo *see* Yo Han Chang
Han Fuk Vo *see* Vo Han Fuk
Han Kai, Xu Shao-lin, Pu Da-chun, Feng Hong-yuan, Cai Yong-xin, Xie Ren-kui, Yang Zhang-jun The laser coupled out as much net second harmonic energy from intracavity as obtained at the laser wavelength at the optimum coupling 9—64269
Han Kyu Park *see* Park Han Kyu
Han Ru-gi Conductivity of amorphous semiconductors 9—82581
Han Ru-Shan *see* Zhao Zhong-Xian 9—69623
Han Shing-fang *see* Chang Pei-lin 9—72578
Han Taeyoung *see* Taeyoung Han
Han Wei-ping, Hua Ming-chi Calculation of the heat of formation and dissociation energy for free radicals and organic compounds from dynamic electronegativity 9—96351
Han Zong-lai *see* Zhao Jing-lun 9—59308
Han-chien Shih *see* Shih Han-chien
Han-Ching, W., Chin-Jung, T. Electron spin resonance of NH_3^+ in γ-irradiated VO^{2+} doped Tutton salt 9—69722
Han-Jong Yu, Wolfstieg, U., Macherauch, E. Calculation of residual stresses with a special finite element program 9—66075
Han-Lin Lu *see* Lu Han-Lin
Han-Ru Cho, Cheng, L., Bloxam, R.M. The representation of cumulus cloud effects in the large-scale vorticity equation 9—88436
Han-Sheng Lee Effect of substrate generation current on oxide I-V measurement on p-type MOS structures 9—73594
Han-Ying Guo *see* Guo Han-Ying
Han-ying Kuo *see* Kuo Han-ying
Han-Zhao Liu *see* Liu Han-Zhao
Hanack, M., Seelig, F.F., Strahle, J. Synthesis and properties of a new kind of one-dimensional conductors. I. General aspects 9—90940
Hanada, S., Yamamoto, H., Izumi, O. Deformation behavior and slip systems of quenched β-CuZn single crystals 9—79026
Hanada, T. *see* Soga, N. 9—91819
Hanafusa, H. *see* Miyata, K. 9—68779
Hanafusa, K. *see* Iseki, T. 9—70131
Hanai, T. *see* Hibino, M. 9—71567
Hanai, Y., Suto, H. The relationship between the over-heating embrittlement and the behavior of sulphur in a low alloy steel 9—79088
Hanaki, K. *see* Kato, K. 9—52241
Hanamura, E., Takagahara, T. Resonant Raman scattering and luminescence due to excitonic molecule 9—91425
Hanamura, E., Takagahara, T. Resonant Raman scattering and luminescence due to excitonic molecule 9—95763
Hanamura, E. *see* Kubo, R. 9—94201
Hanan, N.A., Borg, R.C., Ott, K.O. Interpretation of the isotopic breeding worth 9—49655
Hanani, M. *see* Normann, R.A. 9—74653
Hanappe, F. *see* Berlanger, M. 9—67636
Hanappe, F. *see* Lebrun, C. 9—63707
Hanasz, J. *see* Aksenow, W.I. 9—62646
Hanawa, M. *see* Saito, S. 9—56002
Hanawa, R., Nakajima, H. Annealing effects on the electrical conduction in the quench-condensed mercury-argon system 9—60880
Hanawa, T. *see* Oura, K. 9—51457
Hanazawa, K. *see* Ukai, K. 9—83372
Hanbaba, R. *see* Gourvez, P. 9—58177
Hancart, J., Liege, C.R.M. Study of isoformation of powder samples for X fluorescence spectrometry 9—87930
Hance, R. *see* Barsotti, E. 9—49919
Hancock, D. *see* Marlow, D. 9—85564
Hancock, J.K. *see* Miller, R.G. 9—64086
Hancox, R., Bagatin, M., Baker, L.J., Bobbio, S., Crawley, H.J., Davenport, P.A., Gasparini, F., Hollis, A.A., Lawson, J.D., Martone, R., Mitchell, J.T.D., Newton, A.A., Reynolds, P., Rostagni, G., Shercliff, J.A., Spears, W.R. A 600 MW(e) reversed field pinch reactor study 9—71976

Hand, J.W., Hume, S.P., Marigold, J.C.L., Field, S.B., Robinson, J.E. A microwave heating system for improving temperature uniformity in heated tissue 9—100795
Hand, L., Petersen, D., Scott, H., Gottfried, K., Atac, M., Read, A.L., Voyvodic, L., Czyz, W., Furmanska, B., Holynski, R., Jurak, A., Krzywdzinski, S., Nowak, G., Wilczynski, H., Wolter, W., Wosiek, B., Ball, R., Kiley, J., Kotlewski, A., Litt, L., Florian, J., Lord, J.J., Wilkes, R.J. Intra-nuclear cascading in deep inelastic scattering of 150 GeV muons in emulsion 9—75979
Handa, H. *see* Mitaku, S. 9—55432
Handa, H. *see* Sato, M. 9—83833
Handa, S. *see* Kondo, M. 9—53230
Handa, S.K., Bhushan, B., Rao, K.S. Honeycomb type flat plate collectors: experiments leading to drinking straw 9—62086
Handa, T. *see* Suda, K. 9—75674
Handa, V.K. *see* Roy, B.N. 9—99093
Handa, Y., Suhara, T., Nishihara, H., Koyama, J. Characteristics of SEM-written gratings for integrated optical circuits 9—68450
Handa, Y. *see* Suhara, T. 9—81542
Handa, Y.P., Benson, G.C. Volume changes on mixing two liquids: a review of the experimental techniques and the literature data 9—90782
Handbury, M.J., Simons, S., Williams, I.P. The breakdown in kinetic energy equipartition in colliding systems with fragmentation 9—88586
Handel, E.D., Ache, H.J. Positronium formation in aqueous micellar solutions of sodium dodecylsulfate 9—96345
Handel, R., Dillig, M., Huber, M.G. Investigation of the ΔN interaction in the deuteron 9—67597
Handerek, J. *see* Badurski, M. 9—82584
Handke, J. *see* Gellert, B. 9—72584
Handler, A.M., Konopka, R.J. Transplantation of a circadian pacemaker in Drosophila 9—62234
Handler, E., Roder, U. Flexible bandpass filtering using a coherent optical feedback technique 9—94166
Handler, T. *see* Brick, D. 9—58980
Handley, C.D. *see* Le Bas, M.J. 9—57929
Handley, G.R. Quality assurance for computer programs used in criticality analysis 9—63766
Handojo, A. Quasistatic theory of frost deformation in thermoplastic films 9—56052
Handoo, B.B. *see* Zadoo, T.K. 9—97573
Handoo, S.K. *see* Ghosh, S.N. 9—52651
Handrich, K. Rotons in amorphous ferromagnets 9—61087
Hands, B.A. Some effects of heater geometry on the flow stability of a liquid nitrogen thermosiphon 9—58728
Handschug, L., Backe, H., Bokemeyer, H. A kinematic Doppler correction method for high resolution in-beam conversion electron spectroscopy after (HI,xn) reactions 9—54739
Handschuh, M. *see* Lorenz, W. 9—52689
Handsworth, R.J. *see* King, W.D. 9—88489
Handwerk, V., Zellner, R. Kinetics of the reactions of OH radicals with some halocarbons ($CHClF_2$, CH_2ClF, CH_2ClCF_3, CH_3CClF_2, CH_3CHF_2) in the temperature range 260-370K 9—52622
Handy, N.C., Goddard, J.D., Schaefer, H.F. Generalization of the direct configuration interaction method to the Hartree-Fock interacting space for doublets, quartets, and open-shell singlets. Applications to NO_2 and NO_2^- 9—85908
Handy, N.C. *see* Goddard, J.D. 9—98004
Haneczok, G. Numerical analysis of internal friction curves 9—95079
Hanel, R. *see* Pearl, J. 9—92704
Hanely, S.T. *see* Dowling, J.A. 9—66798
Haneman, D., Holmes, P. Preparation of titanium dioxide films as solar photocatalysts 9—74530
Haneman, D. *see* Miller, D.J. 9—51405
Haneoka, S. *see* Kobayashi, S. 9—53373
Hanes, D.A. A new determination of the Hubble constant 9—92902
Hanes, G.R. *see* Baird, K.M. 9—93104
Hanes, L.K. *see* Seiler, D.G. 9—73529
Haney, R.L., Shiver, W.S., Hunt, K.H. A dynamical-numerical study of the formation and evolution of large-scale ocean anomalies 9—79852
Hanft, R. *see* Ammosov, V. 9—71737
Hanft, R. *see* Berge, J.P. 9—71741
Hanft, R. *see* Efremenko, V.I. 9—75763
Hang-Sheng Wu *see* Wu Hang-Sheng
Hanggi, P. Note on the evaluation of the memory-kernel occurring in generalized master equations 9—93044
Hanggi, P. *see* Grabert, H. 9—80468
Hanggi, P. *see* Haag, G. 9—88882
Hangsheng Wu *see* Wu Hangsheng
Hanham, S.D., Heinrich, B., Arrott, A.S. Domain structure and the approach to saturation in [111] oriented iron whiskers 9—82814
Hanham, S.D. *see* Heinrich, B. 9—78432
Hanic, F., Majling, J., Chemekova, T.Yu. X-ray powder diffraction data for strontium aluminate, $SrAl_2O_4$ 9—51071
Hanic, F. *see* Glushkova, V.B. 9—82186
Hanic, F. *see* Majling, J. 9—51072
Hanic, F. *see* Pavelcik, F. 9—99174
Hanisch, R.J., Matthews, T.A., Davis, M.M. Diffuse radio emission in the Coma cluster of galaxies 9—88750
Hanke, G. *see* Lang, E. 9—73074
Hanke, G. *see* Uelhoff, W. 9—74081
Hanke, P. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Hanke, W., Sham, L.J. Many-particle effects in the optical excitations of a semiconductor 9—87046
Hankin, S.H., Khalil, O.S., Goodman, L. Low temperature Raman evidence for two crystalline phases of methylcyclohexane 9—56771
Hankins, D.E. Cadmium-capture gamma-ray exposure from personnel dosimeters 9—67963
Hankins, D.E. *see* Griffith, R.V. 9—63818
Hanko, L., Benard, D.J., Davis, S.J. Observation of superfluorescent emission of the B-X system in I_2 9—81412
Hanko, L. *see* Green, R.B. 9—81222
Hanks, R.W., Larsen, K.M. The flow of power-law non-Newtonian fluids in concentric annuli 9—94681
Hanks, R.W., Peterson, J.M., Narvaez, C. The influence of inlet flow disturbances on transition of Poiseuille pipe flow 9—90216
Hanks, T.C. b values and $\omega^{-\gamma}$ seismic source models: implications for tectonic stress variations along active crustal fault zones and the estimation of high-frequency strong ground motion 9—84150
Hanks, T.C. Deviatoric stresses and earthquake occurrence at the outer rise 9—84196
Hanks, T.C., Kanamori, H. A moment magnitude scale 9—84157
Hanle, P.A. The Schrodinger-Einstein correspondence and the sources of wave mechanics 9—84898
Hanley, D. *see* Brown, G.J. 9—49877
Hanley, E.J., Boyd, R.K., DeWitt, D.P. Screening for neonatal jaundice using skin reflectance 9—92328
Hanley, E.N., Jr. *see* Gumerman, L.W. 9—70613
Hanley, G.M. Evolution of satellite power system (SPS) concepts 9—52891
Hanley, H.G. *see* Hartley, C.J. 9—62318
Hanley, H.J.M. *see* Holland, P.M. 9—77332
Hanley, S.T. *see* Dowling, J.A. 9—53521
Hanlon, C.M. *see* Janini, G.M. 9—90763
Hanly, J.M. *see* Coope, D.F. 9—54405
Hann, C.R. *see* Bradley, E.R. 9—93697
Hann, C.R. *see* Cunningham, M.E. 9—93698
Hann, C.R. *see* Lanning, D.D. 9—93767
Hann, C.R. *see* Williford, R.E. 9—49743
Hanna, D. *see* Giboni, K.L. 9—89204
Hanna, F.K. *see* Fitzgerald, M.C. 9—83962
Hanna, G.R. *see* Nowack, W.J. 9—83759
Hanna, O.T. *see* Sandall, O.C. 9—90230
Hanna, S. *see* Theodorakopoulos, N. 9—75692
Hanna, S.S. *see* Cheng, V.K.C. 9—67804
Hanna, S.S. *see* Kuhlmann, E. 9—89266
Hanna, S.S. *see* Ventura, E. 9—63650
Hannaford, J.F. *see* Elliott, R.D. 9—53468
Hannah, E.C. *see* Joly, R. 9—93089
Hannakam, L., Boulahia, K. Eddy currents induced in a solid cylinder fixed in the air gap 9—89827
Hannakam, L., Nolle, E. Eddy currents induced in a plate fixed in the air gap between salient poles 9—86106
Hannakam, L., Tepe, R. The field weakening effect of rectangular conducting cylinders in the air gap 9—86105
Hannant, M. *see* Gray, G.W. 9—95143
Hannay, M.H., Myers, C.E. Sublimation pressures and thermodynamics of praseodymium trichloride 9—99307
Hannell, C.B. *see* Hannell, F.G. 9—88954
Hannell, F.G., Hannell, C.B. A thermocouple rod designed for the measurement of subsurface temperatures 9—88954
Hannesson, T., Blinder, S.M. Finite nucleus model for the Fermi contact interaction 9—63887
Hannibal-Friedrich, O. *see* Sernetz, M. 9—100799
Hannon, D.M., Hu, H.L. Bubble wall-state coding 9—73785
Hannon, J.P., Trammell, G.T., Mueller, M., Gerdau, E., Winkler, H., Ruffer, R. Impedance-matched grazing-incidence films: pure nuclear reflections, resonant filtering of synchrotron radiation, and X-ray interferometry 9—93267
Hannoyer, M.J., Paidoussis, M.P. Dynamics of slender tapered beams with internal or external axial flow. I. Theory 9—64499
Hannoyer, M.J., Paidoussis, M.P. Dynamics of slender tapered beams with internal or external axial flow. II. Experiments 9—64500
Hannula, E. *see* Boos, E.G. 9—49548, 9—89203
Hannula, T. *see* Leppavuori, S. 9—93137
Hanono, F. *see* Lerner, E. 9—69350
Hanratty, T.J. *see* Henstock, W.H. 9—94696
Hanratty, T.J. *see* Zilker, D.P. 9—50715
Hans, E.M., Scarfe, C.D., Fletcher, J.M., Morbey, C.L. The orbit of δ Equulei in three dimensions 9—53852
Hans de Raedt Comparison between continued-fraction and computer-simulation methods applied to a classical Heisenberg chain 9—78294
Hansack, P., Kummel, R. On the theory of quantized resistances in superconducting-normal-superconducting film structures 9—56426
Hansborough, L., Hart, V., Bush, E., Jr. Mechanical technologies for PIGMI 9—72008
Hansch, T.W., Schawlow, A.L., Series, G.W. The spectrum of atomic hydrogen 9—72267
Hansch, T.W. *see* Jackson, D.J. 9—76706
Hanscomb, J.R., Kaahwa, Y. High-temperature electrical conduction in polyethylene-terephthalate. I. Experiment 9—51588
Hansel, C.E.M., Mahmud, S.H. Comparable retention times for the negative colour afterimage and the McCollough effect 9—53146
Hansel, T. *see* Schumann, B. 9—65564
Hansen, A.D.A. *see* Yasa, Z. 9—96493
Hansen, A.E., Bouman, T.D. Hypervirial relations as constraints in calculations of electronic excitation properties: the random phase approximation in configuration interaction language 9—76413
Hansen, B.L. *see* Clough, J.W. 9—88366
Hansen, C. *see* Strom, R.G. 9—92698
Hansen, C.H., Bies, D.A. Near field determination of the complex radiation efficiency and acoustic intensity distribution for a resonantly vibrating surface 9—55262
Hansen, C.H. *see* Bies, D.A. 9—50510
Hansen, C.W. *see* Stockero, L.J. 9—89546
Hansen, D.V. *see* Mayer, D.A. 9—70806
Hansen, E.B. Diffusion through a medium containing a rectangular array of elliptical cylinders 9—80550
Hansen, E.Kjaersgaard *see* Kjaersgaard Hansen, E.
Hansen, E.L. *see* Nicolaisen, F.M. 9—59450
Hansen, F.Y., Taub, H. Application of empirical interatomic potentials to the calculation of the structure and dynamics of paraffin molecules adsorbed on graphite 9—99417
Hansen, G. THe apochromat planar lens 133 mm f/6.3 by Carl Zeiss of Jena 9—75636
Hansen, G.E., Paxton, H.C. Thor, a thorium-reflected plutonium-metal critical assembly 9—76061
Hansen, G.E. *see* Byers, C.C. 9—63742
Hansen, H.H. Nuclear structure effect on internal conversion of l-forbidden transitions in ^{139}La, ^{141}Pr and ^{203}Tl 9—63632
Hansen, I., Hoinghaus, K., Zetzsch, C., Stuhl, F. Detection and reactions of $NH(X^3\Sigma^-)$ radicals in the vacuum UV flash photolysis of NH_3 using resonance fluorescence 9—64036
Hansen, J.Bindslev *see* Bindslev Hansen, J.
Hansen, J.D. *see* Flaminio, V. 9—89187
Hansen, J.E., Persson, W. The influence of relativistic effects on the lifetime of the $5s5p^6\ ^2S_{1/2}$ state of Xe II 9—72274
Hansen, J.E., Persson, W. Comments on reported discrepancies between optical data and Auger results for Xe and Kr 9—93944
Hansen, J.E. *see* Fischer, C.F. 9—76351
Hansen, J.J.R. *see* Jacobsen, G. 9—98464
Hansen, J.P. *see* Levesque, D. 9—82140
Hansen, J.P. *see* Mazighi, R. 9—58631
Hansen, J.P. *see* Mochkovitch, R. 9—97330
Hansen, K.H. *see* Albrow, M.G. 9—75805
Hansen, L.E. *see* Brown, C.O. 9—63777
Hansen, L.F., Wong, C., Komoto, T.T., Pohl, B.A., Goldberg, E., Howerton, R.J., Webster, W.M. Neutron and gamma-ray spectra from ^{232}Th, ^{235}U, ^{238}U, and ^{239}Pu after bombardment with 14-MeV neutrons 9—93612
Hansen, N. *see* Bay, B. 9—56999
Hansen, O., Jensen, J., Norby, J.G., Ottolenghi, P. A new proposal regarding the subunit composition of $(Na^+ + K^+)$ATPase 9—83704
Hansen, O. *see* Hanson, D.L. 9—63585
Hansen, O. *see* Vold, P.B. 9—63591
Hansen, O.P. *see* Heremans, J. 9—99539
Hansen, P. Magnetic anisotropy and magnetostriction in garnets 9—99748
Hansen, P. *see* Heitmann, H. 9—51829
Hansen, P.G. *see* Azuma, R.E. 9—93550
Hansen, P.G. *see* Ewan, G.T. 9—71820
Hansen, P.H. *see* Ratner, L.G. 9—67608
Hansen, R.G. *see* Steele, T.W. 9—88356
Hansen, R.J. *see* Ni, C.C. 9—98679
Hansen, R.M. *see* Skavenski, A.A. 9—100595
Hansen, R.S. *see* Jakobsen, H.J. 9—81219
Hansen, R.S. *see* Mahaffy, P. 9—100436
Hansen, S. *see* Falth, L. 9—90605
Hansen, S.S. *see* Genzel, R. 9—92836
Hansen, S.S. *see* Moran, J.M. 9—92779
Hansen, T.E. Fiber optic sensors: new possibilites 9—93121
Hansen, T.E. *see* Nyberg, B.R. 9—97367
Hansen, W.N. Reflection spectroscopy of optical coatings 9—61448
Hanser, A. *see* Bekk, K. 9—72436
Hansl, T. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Hansl, T. *see* Groot, J.G.H. 9—93395
Hansma, P.K. *see* Adams, A. 9—51685

Hansmann, D.R. High-speed Holter ECG analysis—what we have learned 9—66568
Hansmann, I., Zmarsly, R., Probeck, H.D., Schafer, J., Jenderny, J. Aneuploidy in mouse fetuses after paternal exposure to X-rays 9—79607
Hanson, A.J. *see* Eguchi, T. 9—85037
Hanson, A.J. *see* Sobur, A.S. 9—53556
Hanson, A.O. *see* Axel, P. 9—72042
Hanson, D.B., Fink, M.R. The importance of quadrupole sources in prediction of transonic tip speed propeller noise 9—55263
Hanson, D.L., Baldwin, N.L. Fission gas release from core 2 of the Peach Bottom HTGR 9—67908
Hanson, D.L., Stein, N., Sunier, J.W., Woods, C.W., Hansen, O. High resolution study of the reactions $^{54,\ 56,\ 58}Fe(^{16}O,\ ^{12}C)^{58,\ 60,\ 62}Ni$ and a comparison with (^{6}Li, d) α-transfer spectroscopy 9—63585
Hanson, D.L. *see* Ajzenberg-Selove, F. 9—63581, 9—63595
Hanson, D.L. *see* Cindro, N. 9—67629
Hanson, D.L. *see* Lebrun, C. 9—54390
Hanson, D.L. *see* Peng, J.C. 9—63694
Hanson, D.L. *see* Vergnes, M.N. 9—54392
Hanson, D.W. Temperature turbulence measurements at AMOS 9—53503
Hanson, G. *see* Abrams, G.S. 9—89149, 9—89174
Hanson, G. *see* Martin, J.F. 9—89167
Hanson, G. *see* Piccolo, M. 9—93439
Hanson, G. *see* Rapidis, P.A. 9—75780
Hanson, G.H., Merrill, B.J., Atkinson, S.A., Siefken, L.J. Reactor vessel design-basis-accident presure-pulse prediction using SPIRT code 9—89361
Hanson, H.W. *see* Beamish, D. 9—84588
Hanson, J.C., Watenpaugh, K.D., Sieker, L., Jensen, L.H. A limited-range step-scan method for collecting X-ray diffraction data 9—73069
Hanson, K.J. *see* Mendonca, B.G. 9—62585
Hanson, K.M. Proton computed tomography 9—53223
Hanson, L.B. *see* Clark, T.A. 9—88920
Hanson, M. The magnetic susceptibility of AgPd alloys with Mn and Fe impurities 9—73677
Hanson, P. *see* Kass, R.D. 9—93472
Hanson, W.B. *see* Johnson, F.S. 9—96937
Hanson, W.B. *see* Mantas, G.P. 9—53751
Hanson, W.B. *see* Torr, D.G. 9—58141, 9—96848, 9—96856
Hanson, W.F. Linacs for radiation therapy: physical characteristics, marketing parameters and the 'ideal accelerator' 9—53226
Hansroul, M. *see* Badier, J. 9—93460
Hanssen, J.E. *see* Schjoldager, J. 9—74567
Hanssgen, T., Modersitzki, W., Wiemann, H.-J. Dust control equipment 9—74571
Hansson, T.H. *see* Fukugita, M. 9—75772, 9—75773
Hanstead, P.D. A new technique for ultrasonic imaging 9—83403
Hanstead, P.D. *see* Hayman, A.J. 9—87811
Hansteen, J.M. *see* Bang, J. 9—76502
Hantman, R.P. *see* Kieffer, S.A. 9—92361
Hanumantha Rao, G. *see* Raghavaiah, C.V. 9—51246
Hanumath Sastri, J., Sasidharan, K., Subrahmanyam, V., Srirama Rao, M. Equatorial spread-F configurations and geomagnetic activity 9—101007
Hanus, N., Han, J.T., Fontana, M.H., Wantland, J.L. Maximum sodium temperature correlation for six-channel FBR subassembly blockages 9—85656
Hanying Guo *see* Guo Hanying
Hanzel, D., Sevsek, F. Debye Waller factor for ^{57}Fe in $K(Fe(N_2H_3COO)_3)$, determined by Mossbauer effect 9—56627
Hanzel, D., Sevsek, F. Single crystal study of $N_2H_5(Fe(N_2H_3COO)_3).H_2O$ by Mossbauer effect 9—56628
Hanzel, D., Sevsek, F. The Fe^{2+} chelate of hydrazinecarboxylic acid studied by the Mossbauer effect 9—78591
Hao Nan-juin *see* Zhao Yan-zeng 9—77308
Hao-Ding Gu *see* Gu Hao-Ding
Haouat, G., Lachkar, J., Lagrange, C., McEllistrem, M.T., Patin, Y., Shamu, R.E., Sigaud, J. Optical potential and nuclear deformation for even Nd isotopes from fast neutron scattering 9—89230
Haouat, G. *see* Aniol, K. 9—85516
Hapke, B., Ithakissios, D. Radioiodinated nucleic acids for tumor imaging 9—96651
Happ, H. *see* Haider, G. 9—51947
Happer, D.A.R. *see* Blunt, J.W. 9—84913
Happer, W. *see* Bhaskar, N.D. 9—76459, 9—89974
Haq, S. *see* Gambhir, Y.K. 9—89253
Hara, A., Yamamoto, T., Tobioka, M. Effect of some properties of cemented carbide substrates on the chemical vapour deposition of titanium carbide 9—74096
Hara, A. *see* Yokota, M. 9—99396
Hara, H. Spatial structure and stability based on random walks 9—49169
Hara, H. *see* Wakabayashi, S. 9—68378
Hara, K. *see* Fujiwara, H. 9—77967
Hara, K. *see* Fukurotani, K. 9—83782
Hara, K. *see* Iguchi, I. 9—56417
Hara, K. *see* Masaki, S. 9—100603
Hara, M., Ishibe, S., Akazaki, M. Corona discharge and electrical charge on water drops dripping from DC transmission conductors—an experimental study in laboratory 9—82114
Hara, M., Ishii, S. Microwave scattering from density fluctuations externally excited in a plasma 9—98985
Hara, M. *see* Katsube, T. 9—93222
Hara, M. *see* Shinohara, A. 9—50582
Hara, S. *see* Koike, F. 9—81265
Hara, S. *see* Terai, R. 9—93745
Hara, T., Hamagaki, M., Matsunaga, K., Dote, T. Effects of a transverse magnetic field on He-Cd^+ laser output 9—86169
Hara, T., Shibuya, T., Koizumi, T., Nakahara, I. The effect of bending on the infinite elastic solid with an annular crack 9—72806
Hara, T., Shibuya, T., Koizumi, T., Nakahara, I., Mizuno, T. The indentation of a thick elastic plate by rigid punches in the arbitrary shape 9—72807
Hara, T. *see* Inada, T. 9—91158
Hara, T. *see* Takahashi, H. 9—70071
Hara, T. *see* Toyoda, N. 9—95288
Hara, Y. Nonleptonic decays of charmed mesons 9—89132
Hara, Y., Nicol, M. Raman spectra and the structure of rutile at high pressures 9—87442
Haracz, R.D. *see* Rosenthal, C.M. 9—67177
Harada, H. Characteristics of wood. I. Fine structure of wood cell wall 9—96283
Harada, I., Nagai, O. Spin-wave excitations in ferromagnetic thin films with nearest-neighbor and next-nearest-neighbor exchange interactions 9—73783
Harada, I. *see* Ozaki, N. 9—49793
Harada, I. *see* Tokoi, H. 9—50737
Harada, J. *see* Kashihara, Y. 9—55679
Harada, J. *see* Ogino, M. 9—49313
Harada, J. *see* Ohshima, K. 9—95176
Harada, J. *see* Sakata, M. 9—90609, 9—99033
Harada, J. *see* Tanaka, N. 9—95030
Harada, K., Kaneko, T., Sakai, N. Hadronic lepton-pair production beyond the leading order in perturbative QCD 9—80810
Harada, K. *see* Suematsu, H. 9—49223
Harada, K. *see* Ueno, S. 9—83974
Harada, R. *see* Yokota, M. 9—99374, 9—99375
Harada, S. *see* Nakatsuji, H. 9—98002
Harada, S. *see* Ohji, K. 9—61706
Harada, S. *see* Yoshino, K. 9—51592, 9—51905
Harada, T., Shimura, M. Horizontal deformation of the crust in western Japan revealed from first-order triangulation carried out three times 9—79727
Harada, T. *see* Asano, M. 9—78822
Harada, Y., Takahashi, T., Fujisawa, S., Kajiwara, T. Application of photoelectron spectroscopy to the study of photochemical reactions of solids. Photooxidation of rubrene (5,6,11,12-tetraphenylnaphthacene) 9—52693
Harada, Y. *see* Munakata, T. 9—81237
Harada, Y. *see* Takahashi, T. 9—74061
Haradome, M. *see* Kanefusa, S. 9—56219
Haradome, M. *see* Nitta, M. 9—97372
Haraguchi, H., Weeks, S.J., Winefordner, J.D. Selective excitation of molecular species in flames by laser-excited molecular fluorescence 9—68260
Harak, A.E. *see* Dockter, L. 9—87953
Harakawa, K. *see* Muto, S. 9—55136
Harakeh, M.N. *see* Van Der Borg, K. 9—89315
Harakeh, M.N. *see* van der Plicht, J. 9—54419
Harami, T. Mossbauer spectroscopic studies of ferric myoglobin single crystals in a small applied magnetic field 9—100571
Haran, M.E. Visualization and measurement of ultrasonic wavefronts 9—64459
Haran, M.E. *see* Smith, S.W. 9—64471
Harao, M. *see* Noguchi, S. 9—74630
Harari, H. Beyond charm 9—80805
Harari, H. A schematic model of quarks and leptons 9—93353
Harary, H.H., Brown, J.E., Pinto, L.H. Rapid light-induced changes in near infrared transmission of rods in Bufo marinus 9—74658
Harasawa, S. Medical application of nuclear reactors 9—83913
Harasawa, S. *see* Hayakawa, Y. 9—92352
Harashima, F. *see* Yamaguchi, K. 9—58770
Harasyn, D.E., Schaffhauser, A.C. Grain growth in Ir-0.3 pct W alloys 9—100186
Haraux, A. *see* Cazenave, T. 9—53993
Harback, E.R. *see* Doblar, D.D. 9—100652
Harbec, J.Y. *see* Jandl, S. 9—87447
Harbeke, G. *see* de Crescenzi, M. 9—95870
Harbert, E.V., Jr. Photo-optic measuring systems 9—81569
Harbison, J.P. *see* Bevk, J. 9—65625, 9—95557
Harbord, R. Application oriented triangular elements for analysis of thin shell structures 9—84956
Harbort, R.A., Jr. *see* Dalgetty, R.G. 9—74776
Harbottle, J.E. *see* Fisher, S.B. 9—51147
Harbour, P.J., Harrison, M.F.A. An analysis of the exhaust of a fusion reactor to a divertor target by collisionless processes 9—63808
Harcourt, R.D. 'Increased valence' when the octet rule is obeyed. A reply to a challenge 9—76323
Hardcastle, K. *see* Smith, G.I. 9—100918
Hardek, T.W., Brandeberry, F.E. Intense Pulsed Neutron Source (IPNS-1) accelerator RF system 9—67998
Hardek, T.W., Chyna, W.E. Common anode amplifier development 9—68051
Hardekopf, R.A. *see* Burgi, H.R. 9—67756
Hardekopf, R.A. *see* Konig, V. 9—75964
Harden, E.H. *see* Bance, U.R. 9—63259
Harder, C.R., Kearney, D.W., Purcell, J.R. Doublet Tokamak devices. TNS to demo 9—71968
Harder, J.E. *see* Ahlman, R.S. 9—67991, 9—72012
Harder, J.M., Silbert, M., Yokoyama, I., Young, W.H. The thermal pressure coefficients and heat capacities of simple liquid metals 9—65207
Hardesty, R.L. *see* Borovetz, H.S. 9—84024
Hardie, D., Hampshire, J.M. Behaviour of quenched-in defects in magnesium alloys and its effect on flow stress 9—61625
Harding, D.J. *see* Gibbard, B.G. 9—71756
Harding, G.A., Mack, B., Smith, F.G., Stokoe, J.R. On the avoidance of bad seeing conditions within telescope domes 9—70960
Harding, G.J. *see* Bartle, K.D. 9—48996
Harding, G.L., Craig, S. Magnetron-sputtered metal carbide solar selective absorbing surfaces 9—92079
Harding, G.L., Ritchie, I.T. DC reactively sputtered metal carbide and metal silicide selective absorbing surfaces 9—62029
Harding, G.L. *see* Ritchie, I.T. 9—79407
Harding, J.M. *see* Beardsley, R.C. 9—77217
Harding, M.J. The application of calculations of complex solubility to the interpretation of crystal growth phenomena in silver halide emulsions 9—83516
Harding, R.B. *see* Prigo, R.B. 9—97154
Harding, R.J. *see* Green, F.H.W. 9—100828
Hardman, K. *see* Delapalme, A. 9—78322
Hardman, K. *see* James, W.J. 9—78328
Hardouin, F., Achard, M.F., Sigaud, G. Critical behaviour of dynamic twist viscosity γ_1 near polycritical points 9—95133
Hardouin, F., Levelut, A.M., Nguyen Huu Tinh, Sigaud, G. Polymorphism and X-ray diffraction of some cyano biphenyl-substituted benzoates exhibiting reentrant nematic phases 9—94890
Hardouin, F., Sigaud, G., Achard, M.F., Gasparoux, H. Measurements in a pure compound exhibiting an enantiotropic reentrant nematic behavior at atmospheric pressure 9—60490
Hardouin, F., Sigaud, G., Achard, M.F., Gasparoux, H. Enantiotropic nematic reentrant behaviour at atmospheric pressure in a pure compound 9—69233
Hardouin, F. *see* Sigaud, G. 9—82324, 9—95132
Hardt, A., Martin, S., Meissburger, J., Retz, R., Wimmer, J. The cryopump system of the QQDDQ magnet spectrometer Big Karl 9—63257
Hardt, D.E. A bond graph model of muscle 9—92260
Hardt, H.D., Weber, P. Dimorphism of copper (I)-butyrate 9—51090
Hardt, P.von der *see* von der Hardt, P.
Hardwick, C.J. *see* Bussey, P.J. 9—75778, 9—80829
Hardwick, J.L., Till, S.M. Laser excited resonance fluorescence in formaldehyde 9—54993
Hardy, D.A., Hills, H.K., Freeman, J.W. Occurrence of the lobe plasma at lunar distance 9—53666
Hardy, D.A., Reiff, P.H., Burke, W.J. Response of magnetotail plasma at lunar distance to changes in the interplanetary magnetic field, the solar wind plasma, and substorm activity 9—70932
Hardy, D.G., Wood, J.C., Bain, A.S. CANDU fuel performance and development 9—49701
Hardy, G.E., Zink, J.I., Kaska, W.C., Baldwin, J.C. Structure and triboluminescence of polymorphs of $(Ph_3P)_2C$ 9—61447
Hardy, G.W. *see* Banks, R.D. 9—74595
Hardy, J. *see* Marquet, L.C. 9—59793
Hardy, J., Jr., Ullo, J.J., Steen, N.M. Integral testing of thorium and ^{233}U data for thermal reactors 9—67833
Hardy, J.C. *see* Carraz, L.C. 9—85407
Hardy, J.C. *see* Smith Jordan, L. 9—57670
Hardy, J.M. Three-dimensional internal blocking in a converging bi-conical pipe [aerodynamical flow] 9—50751
Hardy, J.R. *see* Cunningham, S.L. 9—68284
Hardy, J.R. *see* Karo, A.M. 9—64554
Hardy, J.W., Hudgin, R.H. A comparison of wavefront sensing systems 9—58766
Hardy, R.J. *see* Ramakrishnan, J. 9—60467
Hardy, R.L. *see* Holdahl, S.R. 9—79787
Hardy, W.N., Berlinsky, A.J., Whitehead, L.A. Magnetic resonance studies of gaseous atomic hydrogen at low temperatures 9—50053
Hardy, W.N. *see* Tiedje, T. 9—72775

Hares, J.D., Kilkenny, J.D., Key, M.H., Lunney, J.G. Measurement of fast-electron energy spectra and preheating in laser-irradiated targets 9—55528
Harfan, H. *see* Gracovetsky, S. 9—83840
Harget, P.J. *see* Cline, C.F. 9—52353
Hargittai, I. Group electronegatives: as empirically estimated from geometrical and vibrational data on sulphones 9—81300
Hargittai, I. *see* Domenicano, A. 9—59573
Hargittai, I. *see* Mayer, I. 9—81295
Hargittai, I. *see* Rozsondai, B. 9—81296
Hargittai, I. *see* Schultz, G. 9—89783
Hargrove, C.K. *see* Leon, M. 9—76534
Hargroves, D.W. *see* Metcalfe, L.J. 9—49738
Hari Om Vats *see* Deshpande, M.R. 9—84581
Hari Rao, C.V., Surek, T., Mackintosh, B., Ravi, K.V., Wald, F.V. Large area silicon sheet by EFG 9—61982
Haridas, P. *see* Goldstein, G.R. 9—93387
Haridasan, T.M. *see* Kalyani, S. 9—77709
Haridasan, T.M. *see* Ramachandran, K. 9—77697
Haridoss, S. *see* Radhakrishna, S. 9—78201
Harigel, G. *see* Ammosov, V. 9—71737
Harigel, G. *see* Berge, J.P. 9—71741
Harigel, G. *see* Efremenko, V.I. 9—75763
Harihar, P. *see* Suffivan, N.B. 9—59058
Hariharan, A.V. *see* Franzen, H.F. 9—73325
Hariharan, K. *see* Radhakrishna, S. 9—65909, 9—99355
Hariharan, P. Intermodulation noise in amplitude holograms: the effect of hologram thickness 9—50249
Hariharan, P., Hegedus, Z.S., Steel, W.H. One-step multicolour rainbow holograms with wide angle of view 9—72535
Hariharan, R. *see* Menon, K.A.P. 9—71438
Harinath, K.S., Muthuswamy, V.P. A note on waves generated at a liquid-solid interface. II. (Viscous effects) 9—68729
Hariri, A. *see* Barber, D.P. 9—97631
Haritonidis, J.H. *see* Wygnanski, I. 9—68733
Hariu, T. *see* Suzuki, N. 9—99603
Harjunmaa, H., Lehto, A. Infrared detection using delayed breakdown 9—58786
Harker, A.B. *see* Wodarczyk, F.J. 9—57208
Harker, A.H., Larkins, F.P. A large unit cell semiempirical molecular orbital approach to the properties of solids. I. General theory 9—87029
Harker, A.H., Larkins, F.P. A large unit cell semiempirical molecular orbital approach to the properties of solids. II. Covalent materials: diamond and silicon 9—87036
Harker, A.H., Larkins, F.P. A large unit cell semiempirical molecular orbital approach to the properties of solids. III. Ionic crystals: lithium fluoride and potassium chloride 9—87037
Harker, A.H. *see* Adam, C.D. 9—51535
Harker, D. Colored lattices 9—90586
Harker, D. Effect of rotational symmetry on colored lattices 9—90587
Harker, K.J., Ilic, D.B., Crawford, F.W. Ionospheric wave spectrum measurements 9—70912
Harker, Y.D. *see* Anderl, R.A. 9—67843
Harker, Y.D. *see* Stepan, I.E. 9—93720
Harkness, S.D. *see* Majumdar, S. 9—76132
Harkness, S.D. *see* Stacey, W.M., Jr. 9—71967
Harkrider, D.G. *see* Bache, T.C. 9—66632
Harlan, E. *see* Kemp, J.C. 9—84801
Harlan, E.A., Miller, J.S. A possible identification of the central star of NGC 7027 9—67008
Harlan, R.A. Experiences with a counter for plutonium in crates 9—85716
Harland, D.M. *see* Hilditch, R.W. 9—67055
Harland, P.W. *see* Freeman, C.G. 9—57221, 9—87828
Harleman, D.R.F. *see* Jirka, G.H. 9—90302
Harlen, F., McKinlay, A.F. Hazards of non-ionising radiations in the laboratory 9—57708
Harley, R.T. *see* Catlow, C.R.A. 9—60547
Harlingen, D.J.Van *see* Van Harlingen, D.J.
Harlow, D.G., Phoenix, S.L. Bounds on the probability of failure of composite materials 9—87716
Harlow, F.H. *see* Travis, J.R. 9—72929
Harlow, G.E., Nehru, C.E., Prinz, M., Taylor, G., Keil, K. Pyroxenes in Serra de Mage: cooling history in comparison with Moama and Moore County 9—66963
Harmalker, S.P., Pope, M.T. Hydrodynamic radii of heteropoly tungstovanadate anions from electron spin resonance line widths 9—78504
Harman, T.C. Optically pumped LPE-growth $Hg_{1-x}Cd_xTe$ lasers 9—68397
Harman, T.L. *see* Clark, J.W., Jr. 9—62223
Harmanec, P., Horn, J., Koubsky, P., Kriz, S., Zdarsky, F., Papousek, J., Doazan, V., Bourdonneau, B., Baldinelli, L., Ghedini, S., Pavlovski, K. Properties and nature of Be and shell stars. VIII. Light and colour variations of 88 Herculis 9—53817
Harmann, H., Paradies, K. A simple preparation technique for incident light fluorescence microscopy 9—97429
Harmat, P., Major, J. A high-temperature dilatometer for thin wires 9—97380
Harmatz, B. Nuclear data sheets for A=154 9—71781
Harmelin, M. *see* Chappuis, G. 9—52214
Harmer, A.L. Effect of drawing conditions on the mechanical strength of fibers pulled in a graphite furnace 9—50469
Harmer, D.E., Anders, O.U. A prototype operation for the Dresden-1 decontamination 9—54538
Harmer, D.L., Lawson, P.A., Stickland, D.J. The spectrum of the G supergiant HR 8752 9—62828
Harmer, G.R. *see* Cowlam, N. 9—73697
Harmer, M., Roberts, E.W., Brook, R.J. Rapid sintering of pure and doped α-Al_2O_3 9—74123
Harmon, B.N. *see* Peterman, D.J. 9—78006
Harmon, B.N. *see* Stassis, C. 9—60447
Harmon, D., Morency, D., Soluch, W., Vetelino, J.F., Mittleman, S.D. Experimental determination of the SAW properties of X-axis boule cuts in berlinite 9—56061
Harmon, D. *see* Jhunjhunwala, A. 9—56064
Harmon, D. *see* Morency, D.G. 9—56056
Harmon, D.F. NRC regulations for nuclear power plant decommissioning 9—67905
Harmon, G.S. Multipacting mechanism as the origin of breakdown in high-frequency electrical discharges in gases 9—97144
Harmony, M.D., Mathur, S.N., Merdian, S.J. Microwave spectrum and substitution structure of methylene chloride 9—63990
Harmony, M.D. *see* Wiberg, K.B. 9—59440
Harms, A.A. *see* Schoepf, K.F. 9—81081
Harms, H. *see* Aulich, H. 9—50425
Harms, H.-H., Prinke, D. Measurement procedure to ascertain acoustic velocity in mineral oils 9—93106
Harms, J. Lidar return signals for coaxial and noncoaxial systems with central obstruction 9—76744
Harms, P. *see* Berger, C. 9—49519
Harms, R. *see* Endres, H. 9—90636
Harnack, P.M. *see* Fitzpatrick, B.J. 9—69881
Harnad, J., Shnider, S., Vinet, L. The Yang-Mills system in compactified Minkowski space; invariance conditions and SU(2) invariant solutions 9—63342
Harnden, F.R., Jr. *see* Fabricant, D.G. 9—74273
Harnden, F.R., Jr. *see* Giacconi, R. 9—70941
Harnden, F.R., Jr. *see* Gorenstein, P. 9—62918
Harness, J.B., Neumann, P.E.L. A thermally activated closed-cycle regenerative cryogenerator 9—58742
Harness, J.B. *see* Hitchen, M. 9—66576
Harney, H.L. *see* Gamp, A. 9—76021
Harney, H.L. *see* Oeschler, H. 9—97720
Harney, R.C. Forbidden Raman scattering processes. I. General considerations and E1-M1 scattering 9—54814
Harnik, E. *see* Bar-Cohen, Y. 9—70289
Harnik, E. *see* Chernobelskaya, T. 9—57182
Harnisch, G. *see* Elstner, C.L. 9—92469
Harnoy, A. The role of the fluid relaxation time in laminar elastico-viscous boundary layers 9—81829
Haro, M.Lopez De *see* Lopez De Haro, M.
Haroche, S. *see* Gross, M. 9—86153
Harold, M.R. *see* Elliott, R.T. 9—68039
Harp, E.L., Wilson, R.C., Keefer, D.K., Wieczorek, G.F. Landslides from the February 4, 1976 Guatemala earthquake: implications for seismic hazard reduction in the Guatemala City area 9—88276
Harp, E.L. *see* Brabb, E.E. 9—88273
Harper, D.A. *see* Thronson, H.A., Jr. 9—62883
Harper, D.A. *see* Whitcomb, S.E. 9—53743
Harper, D.A. *see* Wright, E.L. 9—75267
Harper, E.P. Some considerations of the nucleon as a bound triquark 9—67517
Harper, E.P., Kim, Y.E., Tubis, A. Formalism for including the $\Delta(1236)$ resonance in bound trinucleon systems 9—54397
Harper, E.P., Kim, Y.E., Tubis, A. Solution of the sound trinucleon including the effects of the isobar $\Delta(1236)$ 9—67674
Harper, E.P., Lehman, D.R., Prats, F. The n-d and n-d* momentum distributions 9—67639
Harper, J.M.E. *see* Cuomo, J.J. 9—75510
Harper, J.M.E. *see* Kaufman, H.R. 9—78880, 9—89841
Harper, J.M.E. *see* Molzen, W.W. 9—75657
Harper, N. *see* Nriagu, J.O. 9—83644
Harper, R.M. A semidiurnal tide in the meridional wind at F region heights at low latitudes 9—53596
Harpole, G.M., Aroesty, J., Berger, S.A. Approximate methods for calculating heated water laminar boundary-layer properties 9—64628
Harpur, N.F. Applications of titanium [the Chester Beatty lecture] 9—66104
Harrach, D., Specht, H.J. A square meter position sensitive parallel plate detector for heavy ions 9—93879
Harrach, D.von *see* von Harrach, D.
Harrand, M. Raman study of p-nitroaniline: molecular structure in the molten phase 9—91435
Harrell, E.M. The band-structure of a one-dimensional, periodic system in a scaling limit 9—80454
Harries, D.R. Neutron irradiation-induced embrittlement in type 316 and other austenitic steels and alloys 9—65120
Harries, J.E. The temperature dependence of collision-induced absorption in gaseous N_2 9—62584
Harries, W.L. *see* Wilson, J.W. 9—76668
Harriman, J.E. Limitation on the density-equation approach to many-electron problems 9—76328
Harriman, J.E. Geometry of density matrices. III. Spin components 9—84986
Harrington, B.J., Shepard, H.K. Superconducting properties of pion condensates. II 9—59029
Harrington, J.A. Surface absorption in KCl and CaF_2 at 2.8 μm and 3.8 μm 9—94267
Harrington, J.A. *see* Pastor, R.C. 9—65821
Harrington, J.A. *see* Rudisill, J.E. 9—64262
Harrington, J.A. *see* Turk, R.R. 9—59849
Harrington, J.K. *see* Bruno, G.V. 9—50985
Harrington, J.M., Rowlinson, J.S. The gas-liquid surface of the penetrable sphere model. III 9—73380
Harrington, R. *see* Kemp, J.C. 9—84801
Harrington, R.F., Couch, R.H., Fedors, J.C. An airborne remote sensing 4.5 to 7.2 gigahertz stepped frequency microwave radiometer 9—80062
Harrington, R.F. *see* Stanley, W.D. 9—80686
Harrington, R.S., Van Flandern, T.C. The satellites of Neptune and the origin of Pluto 9—84743
Harris, A.B. The abundance of the elements from hydrogen to nickel and the symmetries of unit cubes in a cube of side three 9—97541
Harris, A.W., Young, J. Photoelectric lightcurves of asteroids, 42 Isis, 45 Eugenia, 56 Melete, 103 Hera, 532 Herculina, and 558 Carmen 9—53752
Harris, A.W. *see* Lemke, D. 9—67084
Harris, B. Corrosion of stainless steel surgical implants 9—70706
Harris, B., Guild, F.J., Brown, C.R. Accumulation of damage in GRP laminates 9—83262
Harris, C.B., Zwemer, D.A., Gallo, A.R., Robota, H.J. Optical spectroscopy of aromatic hydrocarbons on the Ni(111) surface 9—86997
Harris, C.B. *see* Zwemer, D.A. 9—52000
Harris, C.G., Evans, W.A.B. Static and dynamic structure factors for modelled normal ^{4}helium 9—51321
Harris, C.G. *see* Evans, W.A.B. 9—55977
Harris, C.J. River quality models near effluent outfalls 9—62157
Harris, C.M. *see* Metzler, D.E. 9—53110
Harris, D.E., Grindlay, J.E. The prospects for X-ray detection of inverse-Compton emission from radio source electrons and photons of the microwave background 9—71144
Harris, D.R. *see* Becker, M. 9—80987
Harris, D.R. *see* Husseiny, A.A. 9—86588, 9—90418
Harris, D.R. *see* Menezes, A.DaC. 9—81040
Harris, D.R. *see* Quan, B. 9—89369
Harris, E.G. *see* Spong, D.A. 9—55469
Harris, E.J.R. *see* Crawford, F.W. 9—72381
Harris, E.P., Hauge, P.S., Kircher, C.J. Optical properties of ultrathin PbO layers grown on Pb films 9—83042
Harris, E.W. *see* Taylor, D.G. 9—49295
Harris, F.E. *see* Reschke, R. 9—91006
Harris, F.S., Jr. Atmospheric aerosol measurement problems 9—66839
Harris, F.S., Jr. Unusual solar halo complex 9—100943
Harris, G.P. *see* Davies, P.G. 9—84333
Harris, G.W., Pitts, J.N., Jr. Rate constant for the reaction of OH radicals with hydrogen peroxide at 298K 9—57215
Harris, G.W., Sakai, Y. The variation of V/T and Politzer's k due to change of molecular geometry: the water molecule 9—54766
Harris, G.W. *see* Burrows, J.P. 9—94020
Harris, I. *see* Mayr, H.G. 9—75005, 9—84556
Harris, I.J. *see* Tang, T.O. 9—92160
Harris, I.R. *see* Evans, J. 9—77557
Harris, I.R. *see* Pountney, J.M. 9—82181
Harris, J., Jones, R.O. Bonding trends in the group-IVA dimers C_2-Pb_2 9—76367
Harris, J.E. *see* Bartlett, B.E. 9—55684, 9—91578
Harris, J.G. *see* Achenbach, J.D. 9—64397
Harris, J.H. Electron density measurements in vacuum arcs at anode spot formation threshold 9—55552
Harris, J.M. *see* Dorsey, C.C. 9—50072
Harris, J.S., Fusek, R.L., Marcheski, J.S. Stroboscopic interferometer 9—85164
Harris, J.S., Hopkins, H.H. Technique for absolute definition of spherical surface errors: its use in interferogram analysis 9—86268
Harris, J.S. *see* Garner, C.M. 9—69586
Harris, J.W. Characteristic time scales in deep inelastic heavy ion collisions 9—71869
Harris, J.W. *see* Cheung, P.W. 9—79494
Harris, K.S. *see* Bell-Berti, F. 9—72764
Harris, L.A., Cavin, O.B. Interference of intruded epoxy mounting on X-ray diffraction results from carbonaceous materials 9—90495
Harris, L.A., Wilson, R.H. Semiconductors for photoelectrolysis 9—65547
Harris, L.D. *see* Robb, R.A. 9—53224, 9—66520

Harris, M., Macleod, H.A., Ogura, S., Pelletier, E., Vidal, B. The relationship between optical inhomogeneity and film structure 9—83047

Harris, M. *see* Geary, J.M. 9—98422

Harris, M.J. *see* Chance, E.M. 9—62795

Harris, P.A., Welland, H.J. Analysis of secondary coolant system influence on a LOCE 9—89431

Harris, R., Barrett, E.C. Toward an objective nephanalysis 9—53541

Harris, R. *see* Smith, R.A. 9—68480

Harris, R.A., Stodolsky, L. Neutron optical activity 9—64111

Harris, R.A., Swope, W.C. A harmonic oscillator model for the magnetic properties of a closed-shell system. II. The magnetic shielding 9—81299

Harris, R.E. *see* Richards, P.L. 9—56395

Harris, R.J. EHT inverter for Geiger-Muller tubes 9—81120

Harris, S.E. *see* Green, W.R. 9—64075, 9—81274, 9—98207

Harris, S.E. *see* White, J.C. 9—63944

Harris, S.J., Natzle, W.C., Moore, C.B. Zero pressure lifetimes and fluorescence quenching of $ICl(A^3\Pi_1)$ 9—68266

Harris, S.M. Note on properties on spin-1 matrices 9—67128

Harris, S.M. *see* Goebel, C.J. 9—94762

Harris, T.R. *see* Higgins, S.B. 9—70677

Harris, W.E., Canterna, R. On the abundance gradient in the galactic halo 9—92857

Harris, W.H. *see* Oh, I. 9—79688, 9—79692

Harris, W.L. *see* Aravamudan, K.S. 9—90057

Harris, W.L. *see* Tunstall, J.N. 9—94753

Harris-Lowe, R.F. *see* Arajs, G.A. 9—51377

Harrison, A.W. Quiescent boundary layer thickness in aerosol enclosures under convective stirring conditions 9—66364

Harrison, A.W. Midsummer stratospheric NO_2 at latitude 45°S 9—96784

Harrison, A.W., Mathai, C.V. Size distribution of winter continental-mountain aerosols 0.07-1.5 μm 9—100887

Harrison, B.H. *see* Barton, S.S. 9—52404

Harrison, C.G.A., Watkins, N.D. Comparison of the offset dipole and zonal nondipole geomagnetic field models using Icelandic paleomagnetic data 9—57852

Harrison, D. What you see is what you get 9—84883

Harrison, D.C. *see* Buda, A.J. 9—62356

Harrison, D.C. *see* Spitz, A.L. 9—66566

Harrison, D.E. On the equilibrium linear basin response to fluctuating winds and mesoscale motions in the ocean 9—57965

Harrison, D.E., Jr. *see* Garrison, B.J. 9—87543, 9—100011

Harrison, D.E., Jr. *see* Winogard, N. 9—78810

Harrison, D.E., Jr. *see* Winograd, N. 9—100007

Harrison, D.K. Tissue pH electrodes for clinical applications 9—100780

Harrison, D.P. *see* Ranade, P.V. 9—70297

Harrison, E.C. *see* Yoganathan, A.P. 9—57814, 9—74706, 9—74707, 9—83829

Harrison, F. *see* Baker, B. 9—74973

Harrison, G.F. *see* Eyans, W.J. 9—52321, 9—74219

Harrison, G.H., Cox, C.R. Gamma dose measurement in a d(80)+Be neutron beam 9—70648

Harrison, G.H. *see* McCulloch, D. 9—70584

Harrison, H. *see* Baker, M.B. 9—100930

Harrison, H.R. *see* Nagata, S. 9—69684

Harrison, I.R., Runt, J. The heating rate dependence of polymer melting points 9—99296

Harrison, I.R., Runt, J., Stanislow, L.J., Bell, D.A. The heat of fusion of polymer crystals: polyethylene crystals in suspension 9—87870

Harrison, J. *see* Bresseleers, C. 9—57161

Harrison, J.F. *see* Vogel, J.M. 9—53218

Harrison, J.P. Appraisal of the CMN/helium Kapitza resistance 9—51414

Harrison, J.R. *see* Floyd, R. 9—72157

Harrison, J.S. *see* Merrick, D. 9—74483

Harrison, L. *see* Smith, W.M. 9—70672

Harrison, L.C., Flier, J., Itin, A., Ronald, C., Roth, J. Radioimmunoassay of the insulin receptor: a new probe of receptor structure and function 9—88164

Harrison, M.F.A., Smith, A.C.H., Brook, E. Electron energy calibration in the Culham crossed-beams experiments: a reply to the letter of Mark and de Heer 9—81284

Harrison, M.F.A. *see* Harbour, P.J. 9—63808

Harrison, N. *see* Bilen, C.S. 9—73984

Harrison, R. *see* Brough, R. 9—52540

Harrison, R.E., Hyman, E. Electromagnetic field scattering by a triangular aperture 9—50192

Harrison, R.G. Separating isotopes by laser 9—76148

Harrison, R.G., Butcher, S.R., Wood, R.A. High power widely tunable infra-red generation from four-wave mixing in germanium 9—98444

Harrison, R.G., Johnston, A.M., Butcher, S.R. Tunable simultaneous double-wavelength operation of a CW CO_2 laser 9—72583

Harrison, R.J., Bishop, G.H., Jr., Yip, S., Kwok, T. Grain boundaries as solitary waves 9—77610

Harrison, R.J. *see* Hoshen, J. 9—75465

Harrison, R.M., Holman, C.D., McCartney, H.A., McLiveen, J.F.R. Nocturnal depletion of photochemical ozone at a rural site 9—57527

Harrison, S.J. A weather station on the South Downs: Butser Hill 1972-1976 [England] 9—58128

Harrison, W.A., Kraut, E.A., Waldrop, J.R., Grant, R.W. Polar heterojunction interfaces 9—51657

Harrison, W.W. *see* Smyth, K.C. 9—86633

Harrod, D.L., Kaminski, D.A. Stress-strain behavior of micron thickness 316 SS foils 9—52327

Harry, J.E. Magnetically scanned plasma surface heater 9—94826

Harry, J.E., Hobson, L. A multiple-arc system 9—50906

Harry, J.E., Hobson, L. Production of a large volume discharge using a multiple arc system 9—94832

Harsdorff, M. *see* Anton, R. 9—77956

Harsdorff, M. *see* Knabbe, E.-A. 9—77924

Harsh, O.K. *see* Srivastava, K.S. 9—52044, 9—74020, 9—83057, 9—91534

Harshbarger, W.R. *see* Porter, R.A. 9—90458

Hart, A.M. *see* Adcock, C.C.F. 9—53305

Hart, A.W.A.van der *see* van der Hart, A.W.A.

Hart, B.A. *see* Dougherty, H.T. 9—84374

Hart, B.L., Masson, V.K. Measurement of low-current beta of a bipolar junction transistor 9—63268

Hart, C.F. *see* DeWitt, B.S. 9—63353

Hart, D.F. *see* Craig, E. 9—97766

Hart, E.W. Zoning for the hazard of surface rupture in California 9—88293

Hart, H.R., Jr. *see* Fleischer, R.L. 9—53574

Hart, J.C. *see* Brandelik, R. 9—63491, 9—93441

Hart, J.E. *see* Radford, K.C. 9—97879

Hart, M. Crystal wavelength calibrators for synchrotron X-ray spectrometers 9—89051

Hart, M. *see* Hudson, J.L. 9—100380

Hart, P.E. *see* Freshley, M.D. 9—49684

Hart, R. *see* Akutagawa, W. 9—55772

Hart, R.E. *see* Weizer, V.G. 9—92078

Hart, R.W. *see* Koval, T.M. 9—74725

Hart, S.C., Wigen, P.E., Malozemoff, A.P. Anomalous resonance field shifts in amorphous $Gd_{37}Al_{63}$ 9—73821

Hart, S.R. *see* Clarke, D.B. 9—88318

Hart, V. *see* Hansborough, L. 9—72008

Harte, G.A., Nair, S. Some preliminary investigations of the incineration of actinide waste from the UK and European nuclear power programmes 9—85702

Harte, W.E., Szczepanek, P.S. M-series soft-X-ray appearance-potential spectroscopy of Yb_2O_3 9—54866

Hartel, K. *see* Rehm, K.E. 9—97725

Hartemann, P. *see* Cauvard, P. 9—55266

Harter, M.R., Previc, F.H. Size-specific information channels and selective attention: visual evoked potential and behavioral measures 9—62246

Harter, W.G., Patterson, C.W. Theory of hyperfine and superfine levels in symmetric polyatomic molecules: Trigonal and tetrahedral molecules: Elementary spin-1/2 cases in vibronic ground states 9—85954

Harter, W.G., Patterson, C.W. Asymptotic eigensolutions of fourth and sixth rank octahedral tensor operators 9—93975

Harter, W.G. *see* Patterson, C.W. 9—98009

Hartfield, G.L. *see* Natelson, M. 9—67931

Hartford, A., Jr. *see* Tuccio, S.A. 9—94096

Harth, E. A dynamic theory of visual perception 9—74681

Harthill, N. A quadripole resistivity survey of the Imperial Valley, California 9—84096

Hartill, D.L., Rice, D.H. The CESR magnet power supply system 9—76210

Hartill, D.L. *see* Gibbard, B.G. 9—71756

Harting, D. *see* van Apeldoorn, G.W. 9—89177

Hartittai, I. *see* Tremmel, J. 9—94108

Hartl, H. Comet on Palomar Sky Survey 9—96974

Hartl, I. *see* Stary, V. 9—52126

Hartland, S. The effect of gravity on the drainage of thin films in two-dimensional dense-packed dispersion 9—86486

Hartley, C.J., Hanley, H.G., Lewis, R.M., Cole, J.S., Cole, J.S. Synchronized pulsed Doppler blood flow and ultrasonic dimension measurement in conscious dogs 9—62318

Hartley, N.E.W. *see* Singleton, J.F. 9—92036

Hartley, P., Sturgess, C.E.N., Rowe, G.W. Friction in finite-element analyses of metalforming processes 9—81818

Hartline, F.F. Biological applications for voltage sensitive dyes 9—57833

Hartline, R.A. *see* Farrell, S.R. 9—72028

Hartman, D.H., Fan, C.Y., Gough, M.P., Turver, K.E., Weekes, T.C. The primary cosmic-radiation spectrum from 10^{12} eV to 10^{15} eV from atmospheric Cerenkov-radiation measurements 9—66895

Hartman, J.S. *see* Lessor, D.L. 9—54185

Hartman, R.C., Kniffen, D.A., Thompson, D.J., Fichtel, C.E., Ogelman, H.B., Tumer, T., Ozel, M.E. Galactic plane gamma-radiation 9—71105

Hartman, R.L., Logan, R.A., Koszi, L.A., Tsang, W.T. Pulsation and absorbing defects in (Al,Ga)As injection lasers 9—94234

Hartman, R.L. *see* Nash, F.R. 9—81452, 9—86185

Hartman, R.L. *see* Van Der Ziel, J.P. 9—65913

Hartman, S.R. *see* Mossberg, T. 9—76503

Hartmann, B. Casing materials for sodium/sulfur cells 9—52924

Hartmann, B. Potential energy effects on the sound speed in liquids 9—81595

Hartmann, E., Der, R., Nagel, M. X_α-SW-calculation of the chemically induced decay constant variation of Tc-99m in the tetrahedral oxy-complex ion and the octahedral halogen-complex ions 9—54769

Hartmann, F. *see* Cachenaut, J. 9—63194

Hartmann, F.J. *see* Bergmann, R. 9—68335

Hartmann, G. *see* Scholer, M. 9—53667

Hartmann, G.K. *see* Davies, K. 9—75020

Hartmann, H. *see* Arends, J. 9—75971

Hartmann, H. *see* Brandelik, R. 9—63491, 9—93441

Hartmann, J. *see* Fuss, W. 9—81245

Hartmann, K. Development of a dry-mechanical procedure for separating a mixture of two non-uniform grain fractions of HTR feed and breed particles 9—93807

Hartmann, K. *see* Tischer, H. 9—93800

Hartmann, L., Rosner, R. Stellar luminosity stability: luminosity variations and light curve period changes in BY Draconis stars 9—71039

Hartmann, L. *see* Dupree, A.K. 9—67067

Hartmann, L. *see* MacGregor, K.B. 9—96999

Hartmann, L. *see* Raymond, J.C. 9—67051

Hartmann, M. *see* Korting, H.J. 9—53290

Hartmann, O. Current state of μ^+SR diffusion investigations 9—56680

Hartmann, O., Karlsson, E., Norlin, L.-O., Pernestal, K., Borghini, M., Niinikoski, T.O. Temperature and magnetic field dependence of the muonic Knight shift in antimony 9—56659

Hartmann, O., Karlsson, E., Norlin, L.O., Richter, D. Some aspects of muon diffusion in face-centred cubic metals 9—56696

Hartmann, O. *see* Borghini, M. 9—91331

Hartmann, O. *see* Niinikoski, T.O. 9—56684

Hartmann, R. *see* Barnham, K.W.J. 9—85293

Hartmann, R. *see* Engfer, R. 9—85497

Hartmann, S.R. *see* Chen, Y.C. 9—59771

Hartmann, S.R. *see* Flusberg, A. 9—72409

Hartmann, S.R. *see* Kachru, R. 9—81258

Hartmann, S.R. *see* Mossberg, T.W. 9—98447

Hartmann, U. *see* Auth, J. 9—75613

Hartmanova, M. *see* Vlasak, G. 9—60510

Hartnagel, H.L. *see* Bayraktaroglu, B. 9—83344

Hartnagel, H.L. *see* Breeze, P.A. 9—61767

Hartnagel, H.L. *see* Grant, J.T. 9—83345

Hartnagel, H.L. *see* Weiss, B.L. 9—66190

Hartnell, J.A. *see* Smith, E.I. 9—66936

Hartner, G. *see* Biswas, N.N. 9—63556

Hartnett, J.P. *see* Cho, Y.I. 9—94565

Hartog, A.H., Conduit, A.J., Payne, D.N. Variation of pulse delay with stress and temperature in jacketed and unjacketed optical fibres 9—55232

Hartog, A.H. *see* Conduit, A.J. 9—64350

Hartog, H.W.den *see* den Hartog, H.W.

Hartoog, A., Van Beelen, H., de Bruyn Ouboter, R., Taconis, K.W. Persistent capillary flow of He II 9—55955

Hartoog, M.R. Helium-3 in the horizontal-branch star Feige 86 9—92774

Hartquist, T.W. A comment on a mechanism for pumping OH masers 9—98328

Hartquist, T.W., Oppenheimer, M., Elmegreen, B.G. The effect of cosmic ray screening upon the stability of interstellar clouds 9—67077

Hartquist, T.W. *see* Rosner, R. 9—92837

Hartrott, M.von *see* von Hartrott, M.

Hartshorn, J.H. Time-lapse infrared spectroscopy 9—74458

Hartstein, A., Fowler, A.B., Albert, M. Variation of the conductivity in a 2-D impurity band with Fermi level position 9—95510

Hartung, E., Heide, K. Investigation of phase transitions of hydrated borates at non-isothermal conditions 9—52205

Hartung, H., Fricke, B. Prediction of the azimuth angle dependence of the quasimolecular anisotropy in heavy ion collisions 9—68298

Hartung, H., Fricke, B., Morovic, T., Sepp, W.-D., Rosen, A. Interpretation of the anisotropy of M MO radiation in slow I on Au collisions 9—72269

Hartung, H. *see* Aveni, A.F. 9—53954

Hartung, R.W. *see* Chen, K.W. 9—67983

Hartwig, E.C. PEP II RF system 9—72113

Hartwig, H. Review of the X-ray diffraction in extreme asymmetric cases 9—50934

Hartwig, P., Weppner, W., Wichelhaus, W. Fast ionic lithium conduction in solid lithium nitride chloride 9—65247

Hartwig, P., Weppner, W., Wichelhaus, W., Rabenau, A. Ionic transport in the lithium nitride bromides, Li_6NBr_3 and $Li_{13}N_4Br$ 9—73336

Hartwig, S., Heimlich, F.H., Huber, G., Rossle, E., Bleckwenn, J., Kobberling, M., Moritz, J., Schmidt, K.H., Wegener, D., Zeller, D., David, P., Mommsen, H. Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al 9—49621

Hartwig, W.H., Woltman, A.W., Masson, J.P. Design theory and performance of cryogenic molecular adsorption refrigeration systems 9—58722

Hartzell, S. *see* Brune, J.N. 9—84153

Hartzell, S.H., Brune, J.N., Prince, J. The October 6, 1974 Acapulco earthquake an example of the importance of short-period surface waves in strong ground motion 9—84124

Hartzuiker, J.P., North, R.J. The European transonic wind-tunnel project 9—58713

Harumoto, I. *see* Mukai, J. 9—89021

Harutunian, G.M. The absorption of a weak electromagnetic wave in the presence of an intensive one in a three-band semiconductor 9—61325

Harutunian, M.H. *see* Gasparov, V.A. 9—77984

Haruyama, O., Yoshida, S. Initial stage of decay of electrical resistance in deformed aluminum. [Measurement method and preliminary results] 9—49256

Haruyama, S. *see* Numata, H. 9—100392

Harvego, E.A., North, P., Loomis, G.G. Upper plenum LPIS injection in the Semi-scale MOD-1 system 9—49727

Harvel, C.A. *see* Dufour, R.J. 9—53907

Harvel, C.A. *see* Martins, D.H. 9—88702

Harvey, A. *see* Hoffman, E.W. 9—72154

Harvey, A. *see* Weigmann, H. 9—89278

Harvey, A.B. *see* Shaub, W.M. 9—83523

Harvey, C.C., Etcheto, J., Mangeney, A. Early results from the ISEE electron density experiment 9—58210

Harvey, C.C. *see* Lecacheux, A. 9—70940

Harvey, C.J. *see* Cottingame, W.B. 9—85535

Harvey, C.J. *see* Morris, C.L. 9—93505

Harvey, E.H. *see* Dris, M. 9—49491

Harvey, E.H., Jr. Data acquisition using PDP-11 and MBD branch driver at LBL 9—89567

Harvey, G. *see* Agostinelli, J. 9—89940

Harvey, J. *see* Nelson, C.A., Jr. 9—63486

Harvey, J.A., Hill, N.W. Scintillation detectors for neutron physics research 9—72199

Harvey, J.A. *see* Horen, D.J. 9—93589

Harvey, J.E., Callahan, G.M. Wavefront error compensation capabilities of multi-actuator deformable mirrors 9—59797

Harvey, J.K. *see* Davis, J. 9—94667

Harvey, J.K. *see* Pullin, D.I. 9—94670

Harvey, J.M. *see* Banks, W.M. 9—98605

Harvey, J.W., Clark, W.C. Smooth interfacing of finite element models 9—72799

Harvey, J.W., Sheeley, N.R., Jr. Coronal holes and solar magnetic fields 9—58312

Harvey, P.M. A far-infrared photometer for the Kuiper Airborne Observatory 9—66926

Harvey, P.M., Campbell, M.F., Hoffmann, W.F., Thronson, H.A., Jr., Gatley, I. Infrared observations of NGC 2071(IRS) and AFGL 490: two low-luminosity young stars 9—53808

Harvey, P.M., Gatley, I., Thronson, H.A., Jr. An upper limit to far infrared emission from the Crab Nebula 9—58406

Harvey, P.M., Thronson, H.A., Jr., Gatley, I. Far-infrared observations of optical emission-line stars: evidence for extensive cool dust clouds 9—92771

Harvey, P.M. *see* Soifer, B.T. 9—101181

Harvey, P.M. *see* Thronson, H.A., Jr. 9—53932

Harvey, R.B. *see* Stedman, D.H. 9—53493

Harvey, R.W., Rawls, J.M. Analytic computation of minimum beta at ignition for various transport scaling laws 9—71947

Harvey, S.J. *see* Singer, B.G. 9—61744

Harvilchuck, J.M., Schmeckenbecher, A.F. Nondestructive testing technique for determining thickness of a ferromagnetic material 9—79187

Harward, M.B. *see* Shetty, D.K. 9—91778

Harwerth, R.S., Levi, D.M. Reaction time as a measure of suprathreshold grating detection 9—53144

Harwerth, S.R. *see* Smith, E.L., III 9—79556

Harwit, M. Hadamard techniques in optics and their relationship to other multiplexing schemes 9—80242

Harwit, M. *see* Pankonin, V. 9—67073

Harwood, C., Yates, B., Badami, D.V. The thermal expansion of chrysotile asbestos and its composites 9—55908

Harwood, L.H. *see* Parks, L.A. 9—67773

Haryu, H. *see* Iura, T. 9—99648

Hasai, H. Polarization of β-ray emitted from ^{147}Pm 9—85412

Hasan, A. *see* Allen, R. 9—85504, 9—85505, 9—85506, 9—85507

Hasan, F., King, P.J., Murphy, D., Rampton, V.W. The phonon spectroscopy of doped magnesium oxide using superconducting tunnel junctions 9—65157

Hasan, F.I., King, P.J., Murphy, D.T., Rampton, V.W. Multiple-ion phonon absorption in $Al_2O_3:Cr^{2+}$ 9—82971

Hasan, F.I., King, P.J., Murphy, D.T., Rampton, V.W. An investigation of V^{3+} ion pairs in Al_2O_3 by phonon spectroscopy 9—87068

Hasan, H., Brink, D.M. The transfer amplitude and angular distributions in heavy-ion reactions 9—59081

Hasan, M. *see* Anand, J.D. 9—85061

Hasan, M.A.Z., Hussain, A.K.M.F. A formula for resonance frequencies of a whistler nozzle 9—72741

Hasan, M.M. *see* Lienhard, J.H. 9—81699

Hasan, Z., Manson, N.B. The effect of including higher vibronic states in the calculation of vibronic splitting 9—55851

Hasatani, M. *see* Sugiyama, S. 9—76939

Hascik, J. *see* Grone, R. 9—49890

Hase, H. *see* Fukurotani, K. 9—83782

Hase, T., Suzuki, H. Properties of submicron β-SiC prepared from siliconization of carbon black 9—66192

Hase, T., Suzuki, H. Sinterability of submicron β-SiC prepared from siliconization of carbon black 9—78921

Hase, T., Suzuki, H., Ueda, H. Effect of trace amounts of aluminium on the properties of sintered silicon carbide 9—83289

Hase, Y. The infrared and Raman spectra of tetrachlorophthalic anhydride, tetrachlorophthalimide, N-d-tetrachlorophthalimide and potassium tetrachlorophthalimide 9—50015

Hase, Y. Vibrational frequencies of 1,4-dithiane-1-oxide (DTMSO) 9—69839

Hase, Y., Alves, L., Pagotto Yoshida, I.V. Raman spectra and Teller-Redlich product rule for MCl_5/CH_3CN and $MCl_5.CD_3CN$ (M=Sb, Nb and Ta) 9—69817

Hase, Y., Pagotto Yoshida, I.V. The Raman active vibrational modes and isotopic effects of four isotopically substituted lithium hydroxides 9—87424

Hase, Y. *see* Del Rey, M. 9—69203

Hasebe, K. Consistent S-Matrix theory with relativistic form factor 9—93300

Hasebe, K. *see* Mashiyama, H. 9—78633

Hasebe, M. *see* Nishizawa, T. 9—60508

Hasebe, N. Uniform tension of a semi-infinite plate with a crack at an end of a stiffened edge 9—68659

Hasebe, N., Iida, J. A crack originating from a triangular notch on a rim of a semi-infinite plate under transverse bending 9—77009

Haseda, T. *see* Ikeda, S. 9—65656

Haseda, T. *see* Takeda, K. 9—61147

Hasegaisa, M. *see* Sotani, N. 9—77898

Hasegawa, A. *see* Takagi, A. 9—57875

Hasegawa, A. *see* Uchimura, S. 9—94023

Hasegawa, H. An investigation on axisymmetric concentrated load problems of elasticity (applications of solutions with singularities) 9—50588

Hasegawa, H. Statistical formulation of non-equilibrium thermodynamics by the general Onsager-Machlup formula 9—54089

Hasegawa, H. Single-site functional-integral approach to itinerant-electron ferromagnetism 9—65637

Hasegawa, H. Statistical mechanics of open systems as we see it in the laser theory. I 9—76658

Hasegawa, H. Statistical mechanics of open systems as we see it in the laser theory. II 9—76659

Hasegawa, H. Single-site functional-integral approach to itinerant-electron ferromagnetism. II. Thermodynamical property 9—91245

Hasegawa, H., Nakagomi, T. Optical instabilities from the entropy production point of view 9—80560

Hasegawa, H., Nakajima, K. Effect of hydrogen on the mechanical properties of Pd 9—65138

Hasegawa, H. *see* Hagerling, C.W. 9—87700

Hasegawa, H. *see* Sawada, T. 9—60930

Hasegawa, J., Toriwaki, J., Fukumura, T., Takagi, Y. Recognition of vessel shadows in chest photofluorograms 9—57761

Hasegawa, J., Toriwaki, J., Fukumura, T., Takagi, Y. New software system AISCR-V3 for automated interpretation of chest photofluorograms 9—88183

Hasegawa, K. *see* Hayashi, M. 9—99833

Hasegawa, K. *see* Tabata, Y. 9—54620

Hasegawa, M., Hayakawa, M., Ohtsu, J. On the conditions of duct trapping of low-latitude whistlers 9—84586

Hasegawa, M. *see* Inomata, K. 9—69695

Hasegawa, M. *see* Koike, S. 9—56113

Hasegawa, M. *see* Tsuchiya, Y. 9—61462

Hasegawa, N. *see* Hirose, M. 9—100173

Hasegawa, R., O'Handley, R.C. Soft magnetic properties of metallic glasses—recent developments 9—73774

Hasegawa, R., Ray, R. Magnetization of glassy Co-B alloys 9—73689

Hasegawa, R., Ray, R. Low-temperature magnetization study of crystalline and glassy Fe-B alloys 9—95608

Hasegawa, R. *see* Chou, C.-P. 9—83249

Hasegawa, S. *see* Akiba, M. 9—94772

Hasegawa, S. *see* Filho, J.B. 9—58989, 9—58992, 9—63561

Hasegawa, S. *see* Fukuda, K. 9—90221

Hasegawa, T. Measurement of the first normal stress differences of water and dilute polymer solutions 9—98829

Hasegawa, Y. *see* Kuriyama, M. 9—69302

Hasegawa, Y. *see* Yajima, S. 9—74122

Hasell, D.K. *see* Abegg, R. 9—80934

Hasell, D.K. *see* Brown, R.E. 9—75998

Haselton, H. *see* Eubank, H. 9—82074

Haselton, H.H. *see* Kim, J. 9—85846

Haselton, H.H. *see* Menon, M.M. 9—76238

Haselton, H.H. *see* Stirling, W.L. 9—68117, 9—97920

Hasenfratz, P. Extended structures described by Z(N) spin and gauge models. Applications 9—67479

Hasenfratz, P. Extended structures describes by Z(N) spin and gauge models. Applications 9—85222

Hasenfratz, P. A puzzling combination: disorder-×order 9—85270

Haser, R. *see* Banks, R.D. 9—74595

Haseroth, H. *see* Boltezar, E. 9—67972

Hashad, I.F.M. *see* Nelson, J.K. 9—91361

Hashem, M.S. *see* Fakhry, A.A. 9—79360

Hashemi-Attar Ali-Reza *see* Ali-Reza Hashemi-Attar

Hashemian, H.M., Kerlin, T.W. Response time testing of platinum-resistance thermometers at St. Lucie Nuclear Station 9—59219

Hashemian, H.M. *see* Kerlin, T.W. 9—93743

Hashi, T., Hatanaka, H. Coherent phenomena in multi-level NMR system 9—73831

Hashiba, M. *see* Watanabe, K. 9—61768

Hashim, R. *see* Moreau, J.B. 9—50543

Hashimoto, A., Kumazawa, M., Qnuma, N. Evaporation metamorphism of primitive dust material in the early solar nebula 9—58279

Hashimoto, E., Miura, K., Kino, T., Matsushita, R., Koyama, M. Thermomigration of scandium in aluminum 9—69280

Hashimoto, E., Tabata, Y., Kawamori, A. Proton spin lattice relaxation in single crystal of $NaH_3(SeO_3)_2$ 9—78557

Hashimoto, F., Kamiura, Y., Takahasi, H. Effect of quenching temperature on the annealing rate of quenched-in acceptors in germanium 9—82590

Hashimoto, F. *see* Kamiura, Y. 9—95047

Hashimoto, H., Matsuya, T. Experimental study of two-phase swirling flow in a short vortex chamber 9—72924

Hashimoto, H. *see* Sakurai, T. 9—77627

Hashimoto, H. *see* Wada, S. 9—98694, 9—98695

Hashimoto, K., Asami, K., Naka, M., Masumoto, T. Effect of molybdenum on the corrosion behavior of amorphous Fe-Mo-C alloys in 1 N HCl 9—96214

Hashimoto, K., Asami, K., Teramoto, K. An X-ray photo-electron spectroscopic study on the role of molybdenum in increasing the corrosion resistance of ferritic stainless steels in HCl 9—74285

Hashimoto, K., Naka, M., Asami, K., Masumoto, T. An X-ray photo-electron spectroscopy study of the passivity of amorphous Fe-Mo alloys 9—96185

Hashimoto, K. *see* Cohen, M. 9—90898

Hashimoto, K. *see* Kobayashi, M. 9—77780, 9—78911

Hashimoto, K. *see* Masumoto, T. 9—66225

Hashimoto, K. *see* Matsukura, T. 9—70376

Hashimoto, K. *see* Muroyama, K. 9—50790

Hashimoto, K. *see* Naka, M. 9—66211, 9—66212, 9—96215

Hashimoto, K. *see* Nosu, K. 9—76821

Hashimoto, K. *see* Shimizu, T. 9—56949

Hashimoto, K. *see* Sumitomo, H. 9—74419

Hashimoto, K. *see* Takagi, K. 9—52999

Hashimoto, K. *see* Tsutsui, M. 9—73047

Hashimoto, M. A numerical method of determining propagation characteristics of guided waves along inhomogeneous planar waveguides 9—76554

Hashimoto, M. Propogation of inhomogeneous waves in cladded optical fibres 9—81531

Hashimoto, M. *see* Kunugi, T. 9—69805

Hashimoto, M. *see* Takeda, K. 9—69379

Hashimoto, N. The deuteron break-up effect in the two-step process. II. Asymptotic convergence of Strum-Liouville states 9—54414

Hashimoto, N. Two-component model and geometric picture for high energy P-P collisions 9—58948

Hashimoto, N. *see* Katayama, Y. 9—78179

Hashimoto, N. *see* Watanabe, K. 9—65105

Hashimoto, O. *see* Yamashita, E. 9—59824

Hashimoto, S., Ikuta, S., Imamura, M. Ab initio MO study on β^- decay. Effect of β^- decay on hydrogen bonding in mono-tritiated formic acid dimer 9—54763

Hashimoto, S., Iwasaki, H. A microdomain model analysis for diffuse X-ray scattering from quenched CuPt alloy 9—52276
Hashimoto, S., Iwasaki, H. Microdomain model analysis for the short-range order diffuse scattering from quenched CuAu and CuPt alloys 9—96043
Hashimoto, S., Kawakami, W. Application of process control techniques to radiation treatment of waste water 9—96489
Hashimoto, S., Maekawa, Z., Murata, T., Atobe, K., Okada, M., Nakagawa, M. Absorption spectra of reactor irradiated LiI crystals 9—65902
Hashimoto, S. *see* Honda, S. 9—78468
Hashimoto, S. *see* Hosaka, S. 9—91551
Hashimoto, S. *see* Kawata, K. 9—79029, 9—79030
Hashimoto, S. *see* Kondo, M. 9—53230
Hashimoto, T., Nishimura, K., Takeuchi, Y. The dynamics of ordering clusters of Cu_3Au alloy in the thermal non-equilibrium state 9—51257
Hashimoto, T., Sasaki, H., Aiura, M., Kato, Y. High-speed aqueous gel-permeation chromatography 9—61922
Hashimoto, T. *see* Fujiwara, H. 9—77967
Hashimoto, T. *see* Nishimura, K. 9—86869
Hashimoto, Y., Fujii, H., Fujiwara, H., Okamoto, T. Magnetic properties of rare earth copper intermetallic compounds, RCu_2. I. Heavy rare earth 9—87242
Hashimoto, Y., Fujii, H., Fujiwara, H., Okamoto, T. Magnetic properties of rare earth copper intermetallic compounds, RCu_2. II. Light rare earth 9—87243
Hashimoto, Y., Yoshizaki, K., Taguchi, O., Tanaka, M. Developments of stabilized multifilamentary Nb_3Sn superconductors by internal tin diffusion 9—61749
Hashimoto, Y. *see* Koyama, K. 9—66049, 9—78908, 9—96012
Hashimoto, Y. *see* Matsumoto, S. 9—61926
Hashimoto, Y. *see* Matsuo, Y. 9—57534
Hashitsume, N. *see* Shibata, F. 9—75481, 9—85060
Hashizume, A., Wasada, N. The electron impact ionization efficiency curve of zinc 9—50137
Hashizume, A. *see* Tamura, T. 9—75818
Hashizume, H. *see* Sugi, H. 9—83836
Hashizume, M., Matsui, Y. Crustal structure of south-western Honshu, Japan, derived from explosion seismic waves 9—74862
Hashizume, T. *see* Yoshimura, M. 9—92355
Hasia Kung wei Correlation between density of states in the outer electron bonds and the physical properties of metals and alloys. An approximation formula representing the variation of physical properties of metals 9—51466
Hasiguti, R.R. *see* Shimotomai, M. 9—52220
Hasimoto, H. Creeping viscous flow past a circular arc with special reference to separation 9—90214
Hasinoff, M.D., Corriveau, F., Measday, D.F., Salomon, M., Poutissou, J.-M. A measurement of the Panofsky ratio in ^3He 9—76034
Hasinoff, M.D. *see* Bassalleck, B. 9—76288
Hasinoff, M.D. *see* Mazzucato, E. 9—85525
Haskard, D.L. *see* Worthley, B.W. 9—88172
Haskel, H.M. Laser recording with truncated Gaussian beams 9—81474
Hasker, J. Recombination structures and their effects in depleted low-pressure gas discharges 9—94837
Haskins, J.J. *see* Crowther, R.L. 9—67844
Haskovec, C. *see* Veres, K. 9—88152
Haslacher, H. *see* Gauster, W.F. 9—65573
Haslam, C.G.T. *see* Emerson, D.T. 9—75113
Haslam, C.G.T. *see* Klein, U. 9—75264
Haslam, C.G.T. *see* Sieber, W. 9—62890
Haslam, C.G.T. *see* Waldthausen, H. 9—58432
Haslett, J. The analysis by stochastic modelling of solar systems for space and water heating 9—57459
Hasnain, S.S. *see* Wenck, H.D. 9—98136
Hasper, H. Large scale shell-model calculations in the upper part of the sd shell: general description and energy levels for A=36-39 9—59011
Hass, G. Specular reflectance of unprotected and protected evaporated metallic front-surface mirrors at various angles of incidence 9—76792
Hass, G., Heaney, J.B., Toft, A.R. Transparent electrically conducting thin films for spacecraft temperature control applications 9—80187
Hass, H. *see* Pitthan, R. 9—54423
Hass, M. *see* King, H.T. 9—67657
Hass, M. *see* Niv, Y. 9—85368
Hassab, J.C., Boucher, R.E. A quantitative study of optimum and sub-optimum filters in the generalized correlator 9—59866
Hassab, M.A., Ozisik, M.N. Effects of radiation and convective boundary conditions on the stability of fluid in an inclined slender slot 9—86513
Hassager, O. Negative wake behind bubbles in non-Newtonian liquids 9—64716
Hassaini, M.Y. *see* McRae, D.S. 9—77178
Hassan, G.A. Effect of the type of pre-torsional deformation on the creep rates of an aluminium-silicon-zinc alloy 9—96096
Hassan, H.A.Z. Reissner-Sagoci problem for a non-homogeneous large thick plate 9—90132
Hassan, M.A. A mercuric iodide medical probe 9—66555
Hassan, M.H. Generating functions of Weyl invariants of the SU(N) group 9—93304
Hassan, M.H.A. *see* Eltayeb, I.A. 9—79771
Hassan, M.Y.M., Ismail, E.H., Rabie, A. Analysis of C12(p,Li6)Be7 reaction in the energy range 36-56.8 MeV 9—85467
Hassan, M.Y.M., Moharram, S. On the structure of ^{12}C 9—85358
Hassan, M.Y.M., Moharram, S., Abdel-Monehm, H.M. Hartree-Fock calculations for even-even nuclei in the 2p-1f shell using a velocity dependent s-wave effective interaction 9—71792
Hassan, S.S. *see* Abraham, E. 9—55173
Hassan, S.S. *see* Walls, D.F. 9—80559
Hassanzadeh, Y. Velocity and concentration distributions in liquid/solid two-phase free-surface flow 9—98786
Hasse, K.R. *see* Dorward, R.C. 9—66198, 9—91832
Hasse, L. *see* Slinn, W.G.N. 9—62544
Hasse, R.W. Derivation of the nuclear one-body dissipation formula from the Boltzmann equation 9—67686
Hasse, R.W. Microscopic derivation of a frictional Schrodinger equation 9—85357
Hassel, R.L. Quality control of thermosets 9—74319
Hasselberg, G. *see* Rogister, A. 9—98907, 9—98908
Hasselgren, L., Fahlander, C., Thun, J.E., Bockisch, A., Bergmeister, F.J. A determination of the sign of $P_3=M(0_1^+2_1^+)M(2_1^+2_2^+)M(2_2^+0_1^+)$ for ^{194}Pt 9—63588
Hasselkamp, D. *see* Bhattacharya, R.S. 9—56906
Hassell, J.A., Sliemers, F.A., Drawglis, E., Nance, E.P. Computer manipulation and subtraction of GPC chromatograms 9—96387
Hasselman, D.P.H. Role of physical properties in the resistance of brittle ceramics to failure by thermal buckling 9—77673
Hasselman, D.P.H. Figures-of-merit for the thermal stress resistance of high-temperature brittle materials: a review 9—83290
Hasselman, D.P.H., Tree, Y. On the thermal fracture of ice 9—65141
Hasselman, D.P.H. *see* Zdaniewski, W. 9—86933
Hasselman, T.K. *see* Selzer, L.A. 9—84184
Hasselmann, D.E. The high wavenumber instabilities of a Stokes wave 9—81907
Hasselt, P.C.A.H.M.Van *see* Van Hasselt, P.C.A.H.M.
Hassett, E.D.van *see* van Hassett, E.D.
Hassib, G.M. A pre-electrochemical etching treatment to improve neutron recoil track detection 9—76298
Hassin, G. *see* Engbretson, G.A. 9—79526
Hasslacher, B., Neveu, A. Dynamic charges in field theories 9—54251
Hasson, P.L. *see* Laufer, S.C. 9—97883
Hasson, V., Brink, D.J. Effective excitation of oxygen-contaminated high-pressure carbon dioxide TE lasers 9—89882
Hasson, V. *see* von Bergmann, H.M. 9—98982
Hassouni, A.El *see* El Hassouni, A.
Haste, T.J. A measurement of the pulse height distribution of a lithium glass scintillator at different neutron energies 9—54751
Haste, T.J., Sowerby, M.G. A study of the temperature dependence of the neutron transmission of uranium dioxide 9—82265
Hasted, J.B. *see* Mathur, D. 9—72424, 9—92840
Hastenrath, S. On modes of tropical circulation and climatic anomalies 9—88468
Hastenrath, S., Lamb, P. On the dynamics and climatology of surface flow over the equatorial oceans 9—58061
Hastenrath, S., Wendland, W.M. On the secular variation of storms in the tropical North Atlantic and Eastern Pacific 9—100929
Hastings, G.W. Load bearing polymers used in orthopaedic surgery 9—83999
Hastings, I.J., Evans, L.E. Densification algorithm for irradiated UO_2 fuel 9—78913
Hastings, I.J., Scoberg, J.A., Mackenzie, K. Grain growth in UO_2: In-reactor and laboratory testing 9—74184
Hastings, I.J., Scoberg, J.A., Mackenzie, K., Walden, W. Grain growth in UO_2: studies at Chalk River Nuclear Laboratories 9—93808
Hastings, J.B., Ellenson, W.D., Fischer, J.E. Phase transitions in potassium-intercalated graphite: KC_{24} 9—65189
Hastings, J.M. *see* Heilmann, I.U. 9—95103
Hastings, J.M. *see* Thompson, P. 9—51085
Hastings, M.V. Enlarger meter 9—89018
Hastings, R.D. *see* Dowdy, E.J. 9—85644
Hasumi, A., Endo, R., Kimura, T. Dirac quantisation of a massive spin-3/2 particle coupled with a magnetic field 9—75703
Hasumi, A. *see* Endo, R. 9—71335
Hasuo, S., Suzuki, H., Imamura, T. Evaluation of compressor inaccuracy for in situ ellipsometry 9—54170
Hasyanov, A.F. *see* Ivanov-Kholodny, G.S. 9—96939
Haszko, S.E. *see* Adams, A.C. 9—69989
Haszko, S.E. *see* Dishman, J.M. 9—78191
Haszpra, L. *see* Meszaros, E. 9—70475
Hata, H. *see* Minami, K. 9—50858
Hata, K. *see* Ushijima, T. 9—92627
Hata, S., Miyaji, T., Fukui, Y., Chikada, Y. Observations of the total lunar eclipse on March 24, 1978 at a wavelength of 3.4 millimeters 9—101095
Hata, T. *see* Kasemura, T. 9—69323, 9—95247
Hata, T. *see* Okano, S. 9—82946
Hatae, N. *see* Yamazaki, S. 9—74237
Hatafuku, H., Sasaki, T., Ichinohe, H. Inside magnetic domain structure of nickel single crystal 9—65695
Hatakeyama, K. *see* Ohta, M. 9—53000, 9—88033, 9—90082
Hatakeyama, Y. *see* Shin, S. 9—78675
Hatami, R. NO_x reduction on industrial furnace for vehicle emission control 9—52995
Hatanaka, H. *see* Hashi, T. 9—73831
Hatanaka, H. *see* Hayakawa, Y. 9—92352
Hatanaka, K. *see* Imai, K. 9—97706
Hatanaka, S. *see* Takiya, N. 9—93139
Hatano, H., Kokubun, Y., Watanabe, H., Wada, M. Photoluminescent properties of CdSe single crystals doped with donor impurities 9—52003
Hatano, H. *see* Hsu, S.-Y.S. 9—74217
Hatano, H. *see* Kokubun, Y. 9—99580
Hatano, T. *see* Osaka, T. 9—99441
Hatano, Y. *see* Dake, S. 9—62700
Hatano, Y. *see* Kitajima, T. 9—62702
Hatano, Y. *see* Namba, H. 9—73557
Hatano, Y. *see* Ueno, T. 9—64092
Hataya, F. *see* Shiga, M. 9—83302
Hatch, A.J. Comments on "Magnetohydrodynamic equilibrium of plasma confined in a spherical microwave cavity" 9—68911
Hatch, A.J. *see* Probert, P. 9—50875
Hatcher, C.R. *see* Phillips, J.R. 9—89522
Hatcher, P.G. *see* Requejo, A. 9—92098
Hatcher, R.D., Zeller, R., Dederichs, P.H. Formation entropy and the diffusion constant for vacancies in Cu and α-Fe 9—77595
Hatcher, S.R. Prospects for future CANDU fuel cycles 9—81065
Hategan, C. *see* Ata, M.S. 9—58893
Hately, W. *see* Gallagher, S.F. 9—88143
Hathaway, D. *see* Fincher, R. 9—83528
Hathaway, K., Melamud, M., Cullen, J., Blessing, G. Ultrasonic studies below T_c in amorphous rare earth-iron alloys 9—73793
Hathaway, K. *see* Melamud, M. 9—99683
Hatherly, M. The structure of highly deformed materials and the development of deformation texture 9—87653
Hatherly, M. *see* Malin, A.S. 9—83216
Hatherly, M. *see* Willis, D.J. 9—91682
Hatherton, T. Astride two plates—an account of current tectonics in New Zealand 9—84208
Hathi, V.V., Sleipcevich, C.M. Effect of heat treatment temperature on tensile strength and hardness of isostatically compacted aluminium alloy blend 9—61720
Hatibura, J. Thermal expansion of potassium acetate 9—51280
Haton, J.-P., Lienard, J.-S. Speech recognition 9—68509
Haton, J.-P., Sanchez, C. An experimental system for acoustic-phonetic decoding of continuous speech 9—59890
Haton, J.-P. *see* Haton, M.-C. 9—70701
Haton, M.-C., Haton, J.-P. SIRENE, a system for speech training of deaf people 9—70701
Hatori, T. Monuments of the Nankaido tsunamis of 1605, 1707 and 1854 in the Shikoku district. Behavior of historical tsunamis and their comparison with the 1946 Nankaido tsunami 9—70751
Hatta, G. *see* Stefan, M. 9—91687
Hatta, I. Heat capacity measurements by means of thermal relaxation method in medium temperature range 9—49231
Hatta, I. *see* Matsuda, T. 9—75509
Hatta, S., Egami, T. Temperature dependence of magnetization of amorphous Fe-B-C alloys 9—73690
Hattenbach, K., Ahlf, J., Hilgendorff, W., Zimmermann, H.-U. Irradiation and corrosion behaviour of cadmium aluminate, a burnable poison for light water reactors 9—67846
Hattendorff, H.-D., Huber, G., Lutz, F. CW laser action in $Nd(Al,Cr)_3(BO_3)_4$ 9—64231
Hatterer, A. *see* Chastagner, F. 9—68978
Hatto, P. *see* Astles, M.G. 9—95999
Hatton, G.L., Lane, N.F., Winter, T.G. Charge transfer for He^{2+} on H using molecular bases with plane wave translational factors 9—98217
Hatton, H. *see* Duret, M.F. 9—54586
Hatton, J.A. *see* Haywood, J.K. 9—92374
Hattori, K. The random Ising model with a term corresponding to a transverse field 9—56545
Hattori, M., Katayama, K., Araki, M., Takakuda, K., Yamano, K. Research on heat conduction with freezing. II. Freezing of material systems containing aqua-solutions 9—50565

Hattori, M., Suzuki, H. Heats of solution of As-S glasses in alkaline solution 9—91989
Hattori, S. A new proposal of the seismic risk map based on the maximum earthquake motions, the ground characteristics and the temporal variations of the seismicity. [Japan] 9—88281
Hattori, S. *see* Kawamura, A. 9—93145
Hattori, S. *see* Kono, A. 9—54810
Hattori, S. *see* Ozaki, M. 9—62461
Hattori, S. *see* Takiya, N. 9—93139
Hattori, S. *see* Tanaka, T. 9—74197
Hattori, T., Akazawa, H. The electrical and optical properties of Bi-SiO_2 cermet films 9—78775
Hattori, T., Ikegami, K., Shiratori, E. Rotating strength of glass-carbon fiber-reinforced hybrid composite discs 9—74198
Hattori, T. *see* Hirao, Y. 9—72117
Hattori, T. *see* Iwamoto, N. 9—73925
Hattori, T. *see* Nakashima, S. 9—73978
Hattori, T. *see* Niwa, M. 9—79319
Hattu, N. *see* Veldkamp, J.D.B. 9—96133
Hatwar, T.K. *see* Koul, P.N. 9—78789
Hatze, H. A teleological explanation of Weber's law and the motor unit size law 9—96501
Hatzopoulos, Z. *see* Aubrey, J.E. 9—60824
Hauchecorne, A. *see* Pommereau, J.-P. 9—53511
Hauck, J. Isotope effects in superconducting transition metal hydrides 9—56353
Hauck, J. Isotope effects in superconducting transition metal hydrides 9—65580
Hauck, J.P., McMullen, J.D., Hayes, C.L. Coherent optical pulse synthesis using phase-locked lasers and nonlinear optical processes 9—76724
Hauck, J.P. *see* Hayes, C.L. 9—76718
Hauck, N. *see* Gugel, E. 9—74414
Hauck, R. *see* Braunecker, B. 9—94162
Hauden, D., Michel, M., Gagnepain, J.J. Higher order temperature coefficients of quartz SAW oscillators 9—55291
Haudenschild, C.C. *see* Szycher, M. 9—92433
Haudin, J.M. *see* Montheillet, F. 9—95016
Hauer, A. *see* Yaakobi, B. 9—54598
Hauer, M. *see* Bell, M. 9—93413
Hauerwaas, E. *see* Backhaus, G. 9—52775
Hauet, A. *see* Duval, P. 9—100111
Hauffe, K. *see* Halfdanarson, J. 9—80713, 9—82663
Haug, A. Non-radiative recombination of electron-hole drops by means of phonon-assisted Auger recombination 9—60716
Haug, A. Temperature measurement with linearised NTC circuits and transformation into impulse sequences 9—80619
Haug, E. Density dependence of forbidden transitions within $3s^23p^53d$ of the coronal ion Fe IX 9—66986
Haug, H. *see* Dorre, P. 9—67224, 9—75452
Haugan, M.P. Energy conservation and the principle of equivalence 9—54018
Hauge, E.H. The Krook-Wu conjecture and the Tjon phenomenon 9—97319
Hauge, E.H. *see* Napiorkowski, M. 9—67230, 9—75468
Hauge, P.S. Polycrystalline silicon film thickness measurement from analysis of visible reflectance spectra 9—99960
Hauge, P.S. *see* Harris, E.P. 9—83042
Haugen, G.R., Lytle, F.E. Spatial elimination of side bands associated with acoustooptical pulse-picking 9—59732
Haugen, G.R. *see* Ramsey, J.M. 9—79331, 9—88983
Haught, K.M. *see* Dowling, J.A. 9—53521, 9—66798
Haughton, P.M. *see* Pardoe, K. 9—92258
Haughton, V.M., Williams, A.L., Cusick, J.F., Meyer, G.A. A myelographic technique for cysts in the spinal canal and spinal cord 9—92363
Hauk, V., Kockelmann, H. A method for X-ray determination of elastic constants of multi-phase materials, suitable for practical use 9—91876
Hauk, V. *see* Dolle, H. 9—91701
Haul, R. *see* Hotan, W. 9—65321
Haumann, D., Waite, T.D. The kinetics of phosphate removal in small alkaline lakes by natural and artificial processes 9—79417
Haumann, J.R. *see* Daly, R.T. 9—89558
Haun, J.M. *see* Specker, S.R. 9—85590
Haupt, H. *see* Zwick, U. 9—50383
Haupt, H.J., Heidrich, K., Kunzel, H., Mauersberger, P. Crystal growth structure report and optical properties of alkali-trihalogenoplumbates $M[PbX_3]$ 9—90632
Hauptman, H., Potter, S. The probabilistic theory of the three-phase structure semi-invariant in $P2_1$, with applications 9—51033
Hauptmann, E.G. *see* Tom, S.K.S. 9—76064
Hauret, G. *see* Cao Xuan An 9—87453
Hauri, H. Electromedical equipment 9—62421
Haus, A.G. *see* Vyborny, C.J. 9—74753
Haus, H.A. Physical interpretation of inverse scattering formalism applied to self-induced transparency 9—85005
Haus, H.A. *see* Carter, G.M. 9—55179
Haus, H.A. *see* Ho, P.-T. 9—50329
Haus, J. *see* Haake, F. 9—76651
Haus, J.W. *see* Kitahara, K. 9—49180
Haus, J.W. *see* Lottner, V. 9—95208
Hausammann, R. *see* Besset, D. 9—63503
Hausch, G. Elastic and magnetoelastic effects in Invar alloys 9—56589
Hausch, G., Torok, E., Mohri, T., Nakamura, Y. Thermal expansion, elastic properties and the Mossbauer effect of stainless Invar 9—56502
Hausch, G. *see* Torok, E. 9—56596, 9—91728
Hauschildt, D., Fuhs, W., Hesse, H.-J. Photoconduction in single crystals of a pentamethinium cyanine dye 9—51626
Hauschultz, M., Andersen, N.H., Olsen, M., Rasmussen, F.B., McEwen, K.A. Kondo-like resistivity in single crystals of DHCP Pr at millikelvin temperatures 9—60816
Hauser, C.M., Hauser, R.L., Norling, J.F. Designing strength and stiffness into GRP panels 9—61601
Hauser, E., Ray, S., Tauc, J. Electrical resistivity of liquid gold-silicon alloys 9—56188
Hauser, E., Zirke, R.J., Tauc, J., Hauser, J.J., Nagel, S.R. Optical properties of amorphous metallic-gold-silicon alloys 9—95865
Hauser, G.M. *see* Cho, D.H. 9—93786
Hauser, G.M. *see* Epstein, M. 9—54494
Hauser, G.M. *see* Swedish, M.J. 9—54549
Hauser, H., Hazlewood, G.P., Dawson, R.M.C. Membrane fluidity of a fatty acid auxotroph grown with palmitic acid 9—70574
Hauser, I., Ernst, F.J. SU(2,1) generation of electrovacs from Minkowski space 9—75427
Hauser, I., Ernst, F.J. Integral equation method for effecting Kinnersley-Chitre transformation 9—97267
Hauser, J.J. Amorphous MnSi: A concentrated spin-glass system 9—61142
Hauser, J.J. *see* Hauser, E. 9—95865
Hauser, J.R., Glisson, T.H., Littlejohn, M.A. Negative resistance and peak velocity in the central (000) valley of III-V semiconductors 9—73522
Hauser, J.R. *see* Varadarajan, S. 9—60934
Hauser, M.F., Alderson, P.O. Gallium-67 imaging in abdominal disease 9—57772
Hauser, R.L. *see* Hauser, C.M. 9—61601
Hauser, U. *see* Furrer, A. 9—78359
Hauske, G. *see* Wolf, W. 9—53153
Hausler, G. *see* Ferrano, G. 9—98317
Hausler, G. *see* Goetz, J. 9—94327
Hausler, G. *see* Gotz, J. 9—76869
Hausler, K.G., Schroder, E., Reinhold, G. Light scattering and Curie point pyrolysis of polymers. IX. On the use of pyrolysisgaschromastography as detector for analysis of styrol butadiene copolymers 9—96393
Hausler, K.G. *see* Arndt, K.-F. 9—79301
Hausler, K.-G., Schroder, E., Grosskreuz, G., Hube, H. Light beam and Curie point pyrolysis of polymers. VIII. Characterization of crosslinked polymers by gas pyrolysis chromatography 9—57223
Hausman, H.J. *see* Terry, G.H. 9—67729
Hausman, K., Fischer-Defoy, D. Microcinematographic analysis of cytotic processes of unicellular organisms with a 16 mm camera on Zeiss photo tube 9—100800
Hausman, R.F. *see* Moszkowski, S.A. 9—59034
Hausman, R.F., Jr. *see* Grimes, S.M. 9—71791
Hausmann, A., Schallenberg, B., Roll, R. Electronic structure of copper in zinc oxide 9—87312
Hauss, B.I., Kastenberg, W.E. An improved space-time kinetics method 9—59130
Hauss, E. *see* Smith, G. 9—58136
Hausser, O., Taras, P., Trautmann, W., Ward, D., Alexander, T.K., Andrews, H.R., Haas, B., Horn, D. g factors of high-spin yrast traps in $^{146,147}Gd$ 9—63578
Hausser, O. *see* Haas, B. 9—71783
Haussler, P., Muller, W.H.-G., Baumann, F. Resistivity and Hall effect measurements on quenched condensed Sb-Au films 9—99638
Haussler, R. *see* Lanz, P. 9—54684
Haussling, H.J., Coleman, R.M. Nonlinear water waves generated by an accelerated circular cylinder 9—72905
Haussuhl, S. *see* Krasser, W. 9—56805
Haustein, P.E., Hseuh, H.-C., Klobuchar, R.L., Franz, E.-M., Katcoff, S., Peker, L.K. Identification and decay of ^{242}U and ^{242}Np 9—67664
Hautala, M. *see* Anttila, A. 9—73200
Hautecler, S. *see* Guenin, G. 9—77696
Hautecler, S. *see* Vorderwisch, P. 9—60452, 9—99517
Hautecler, S. *see* Wegener, W. 9—51022, 9—78361
Hautojarvi, A. *see* Honkanen, J. 9—49607
Hautojarvi, P., Judin, T., Vehanen, A., Yli-Kauppila, J., Johansson, J., Verdone, J., Moser, P. Annealing of vacancies in electron-irradiated α-iron 9—55785
Hautojarvi, P., Manninen, M., Nieminen, R., Rytsola, K., Valimaa, I. Density profiles for electron and positronium bubbles in helium 9—55952
Hautojarvi, P. *see* Dlubek, G. 9—99972
Hautojarvi, P. *see* Nieminen, R.M. 9—61464
Hautojarvi, P. *see* Vehanen, A. 9—56882
Hautojarvi, P. *(editor)* Positrons in solids 9—99975
Hautot, A., Ploumhans, M.T. Applications of the theory of linear n-terms recurrences 9—97183
Hauver, G.H. *see* Miller, D.M. 9—98517
Hauviller, C. The new ISR absorber blocks for high intensity beams 9—68060
Hauviller, C. *see* Brunet, J.-C. 9—76211
Havas, P., Swenson, R.J. Relativistic thermodynamics of fluids. I 9—64801
Havelsky, V. Prospects of utilising geothermal power for heating purposes 9—87963
Havemann, U., Zulicke, L., Zembekov, A.A., Nikitin, E.E. Simple semiclassical optical model of harpooning elementary processes $K+Br_2$ 9—89755
Havens, J.H. *see* Hopwood, T. 9—87800
Havens, S.J. *see* Griffin, A.C. 9—60267
Haverbeke, L.Van *see* Van Haverbeke, L.
Havey, M.D. *see* Balling, L.C. 9—54800, 9—81187
Havinga, E.E., Van Pelt, P. Intramolecular charge transfer, studied by electrochromism of organic molecules in polymer matrices 9—73901
Havlice, J.F., Taenzer, J.C. Medical ultrasonic imaging: an overview of principles and instrumentation 9—66579
Havlin, S. *see* Rapaport, D.C. 9—51912
Havlin, S. *see* Yeshurun, Y. 9—51884
Havner, K.S., Baker, G.S., Vause, R.F. Theoretical latent hardening in crystals. I. General equations for tension and compression with application to F.C.C. crystals in tension 9—77671
Havnes, O. Chemically peculiar A stars and accretion of grains 9—67017
Havskov, J., Kanasewich, E.R. Determination of the dip and strike of the Moho from array analysis 9—66821
Haward, R.N. *see* Cross, A. 9—91752
Haward, R.N. *see* Price, L. 9—70326
Haward, R.N. *see* Walker, N. 9—56994
Hawarden, T.G., van Woerden, H., Mebold, U., Goss, W.M., Peterson, B.A. An optical and H I study of the interacting galaxies NGC 1512 and 1510 9—80348
Hawarden, T.G. *see* Longmore, A.J. 9—71127
Hawbolt, E.B., Weinberg, F., Brimacombe, J.K. Influence of hot working on internal cracks in continuously-cast steel billets 9—83242
Hawbolt, E.B. *see* Brimacombe, J.K. 9—83315
Hawbolt, E.B. *see* Kostic, M.M. 9—52213
Hawes, D. *see* Millar-Craig, M.W. 9—53271
Hawker, K.E. A normal mode theory of acoustic Doppler effects in the oceanic waveguide 9—50497
Hawker, K.E. The existence of Stoneley waves as a loss mechanism in plane wave reflection problems 9—50498
Hawker, K.E., Shooter, J.A. The roles of integration time and acoustic multipaths in determining the structure of CW line spectra 9—59860
Hawkes, R. *see* Gummerson, R.J. 9—98840
Hawkesworth, C.J., Bickle, M.J., Gledhill, A.R., Wilson, J.F., Orpen, J.L. A 2.9-b.y. event in the Rhodesian Archaean 9—66658
Hawkesworth, C.J., Norry, M.J., Roddick, J.C., Vollmer, R. $^{143}Nd/^{144}Nd$ and $^{87}Sr/^{86}Sr$ ratios from the Azores and their significance in LIL-element enriched mantle 9—74873
Hawkesworth, M.R., Walker, J. Resonance-energy neutron radiography using a dynamitron accelerator 9—52480
Hawking, S.W., Page, D.N., Pope, C.N. The propagation of particles in spacetime foam 9—93029
Hawking, S.W. *see* Gibbons, G.W. 9—63110
Hawkins, G.F., Thomas, R.L., de Graaf, A.M. Ultrasonic measurement of the critical exponent α' for the spin glass CuMn 9—78384
Hawkins, G.W. *see* Argon, A.S. 9—70159
Hawkins, M.R.S. Fourier deconvolution of electronographic images 9—75112
Hawkins, M.R.S. Electronographic calibration of UK 1.2-m Schmidt plates 9—88703
Hawkins, R.B. Double strand-breaks and DNA-to-protein cross-links induced by fast neutrons in bacteriophage DNA 9—66446
Hawkins, R.E. *see* Ripmeester, J.A. 9—99783
Hawkins, R.T. *see* Bischel, W.K. 9—86050
Hawksworth, D.G. *see* Guenault, A.M. 9—65436
Hawley, S.A. *see* Phillips, M.M. 9—58440
Haworth, D.T. *see* Wilkie, C.A. 9—51862
Haworth, S.G. *see* Wyse, R.K.H. 9—70596
Hawryluk, R. *see* Eubank, H. 9—82074
Hawryluk, R.J., Suckewer, S., Hirsham, S.P. Low-Z impurity transport in Tokamaks 9—55468
Hawryluk, R.J. *see* Dylla, H.F. 9—80631
Hawthorne, A.R., Thorngate, J.H. Application of second-derivative UV-absorption spectrometry to polynuclear aromatic compound analysis 9—83526
Hay, D.R. *see* Bassim, M.N. 9—96252
Hay, J.E. *see* McArthur, L.B. 9—88398
Hay, J.N. *see* Walker, N. 9—56994
Hay, P.J., Wadt, W.R., Kahn, L.R., Raffenetti, R.C., Philips, D.H. Ab initio studies of the electronic structure of UF_6, UF_6^+, and UF_6^- using relativistic effective core potentials 9—97987
Hay, P.J. *see* Cartwright, D.C. 9—63920

Hay, P.J. *see* Morrison, M.A. 9—63899
Hay, R.D. *see* Cohn, D.R. 9—71971
Hay, R.D. *see* Jassby, D.L. 9—50898
Hay, W.W. *see* Southam, J.R. 9—62505
Hayakawa, H. *see* Matsuo, M. 9—91688
Hayakawa, K. *see* Mohri, M. 9—74039
Hayakawa, M. *see* Hasegawa, M. 9—84586
Hayakawa, M. *see* Ichimura, M. 9—99370
Hayakawa, M. *see* Moriyama, S.-I. 9—100924
Hayakawa, S., Ito, K., Matsumoto, T., Noguchi, K., Murakami, H., Uyama, K. Balloon observation of infrared galactic radiation 9—80350
Hayakawa, S., Matsumoto, T., Murakami, H., Uyama, K., Yamagami, T., Thomas, J.A. Near IR surface brightness of southern galactic plane 9—71128
Hayakawa, S. *see* Davelaar, J. 9—71085
Hayakawa, T. *see* Tsuda, M. 9—88146
Hayakawa, Y., Egawa, J., Harasawa, S., Nakamoto, A., Amano, K., Hatanaka, H. Simultaneous monitoring system of thermal neutron flux for boron-neutron capture therapy 9—92352
Hayama, F. *see* Kishimoto, M. 9—56571
Hayama, F. *see* Yahata, N. 9—100266
Hayama, S. *see* Ichida, K. 9—68522
Hayami, S. *see* Abe, H. 9—87659
Hayami, S. *see* Matsuo, M. 9—91688
Hayano, H. *see* Mizomoto, M. 9—96310
Hayano, K. *see* Yamada, M. 9—98372
Hayano, R.S., Uemura, Y.J., Imazato, J., Nishida, N., Nagamine, K., Yamazaki, T., Yasuoka, H., Ishikawa, Y. Spin fluctuations of itinerant electrons in MnSi probed by μ^+ 9—56671
Hayano, R.S., Uemura, Y.J., Imazato, J., Nishida, N., Yamazaki, T. Zero- and low-field μ^+ spin relaxation behavior in MnSi 9—56670
Hayano, R.S. *see* Nishida, N. 9—56664, 9—56687
Hayano, R.S. *see* Uemura, Y.J. 9—56669
Hayano, R.S. *see* Yamazaki, T. 9—56707
Hayasaka, T. *see* Yamakawa, H. 9—79733
Hayashi, C., Nakazawa, K., Mizuno, H. Earth's melting due to the blanketing effect of the primordial dense atmosphere 9—57935
Hayashi, H., Hirakawa, K. The instability in the membrane potential of the Nitella internodal cell 9—92204
Hayashi, H., Kobayashi, M., Yokota, I. Collective motion in superionic conductors 9—99368
Hayashi, H. *see* Fujii, Y. 9—55245
Hayashi, H. *see* Takada, M. 9—79707
Hayashi, I. *see* Irisawa, J. 9—86598
Hayashi, I. *see* Matsui, J. 9—99440
Hayashi, I. *see* Murase, H. 9—55544
Hayashi, I. *see* Yonezu, H. 9—72566
Hayashi, I. *see* Yonezu, H.O. 9—98394
Hayashi, K. Singular behavior at the tip of a crack in an elastic-plastic material with plastic orthotropy 9—81816
Hayashi, K., Kugo, T. Remarks on Weyl's gauge field 9—54258
Hayashi, K., Shirafuji, T. New general relativity 9—85022
Hayashi, K. *see* Kawamura, A. 9—93145
Hayashi, K. *see* Sato, M. 9—83833
Hayashi, K. *see* Yoshino, K. 9—91364
Hayashi, M., Kato, H. Microwave spectrum and structure of the GT isomer of chloromethylethyl ether 9—59444
Hayashi, M., Katsuura, K. Inclusive photoproduction and electroproduction of intermediate vector bosons ($W^{\pm}$,Z^0) at very high energies 9—71755
Hayashi, M., Katsuura, K. On the charge asymmetry for Z^0-boson production 9—93349
Hayashi, M., Katsuura, K. Front-back asymmetry for the $W^{\pm}$-boson produced in $\bar{p}p$ collision 9—97579
Hayashi, M., Machida, M., Hasegawa, K., Tsunooka, T. Ferroelectric phase transition in $PbZr_xTi_{1-x}O_3$ under high pressure 9—99833
Hayashi, M. *see* Chaichian, M. 9—97261
Hayashi, M. *see* Chiachian, M. 9—89133
Hayashi, M. *see* Isa, H. 9—84416, 9—84417
Hayashi, M. *see* Uchimura, S. 9—94023
Hayashi, R. *see* Fujita, M. 9—100889
Hayashi, S., Aoki, R., Nakamura, T. Metallic conductivity in perovskite-type compounds $AMoO_3$ (A=Ba,Sr,Ca) down to 2.5K 9—65483
Hayashi, S., Hirono, J., Kanamori, H., Ruppin, R. Surface phonon modes of a microcrystal slab 9—65303
Hayashi, S., Kobayashi, M., Shirai, H., Hojo, N. Temperature effect of color complex of poly(vinyl acetate) with iodine-iodide 9—83457
Hayashi, S. *see* Hirai, T. 9—69303
Hayashi, S. *see* Uwabe, T. 9—62458
Hayashi, S.A. *see* Yamamoto, S. 9—54433
Hayashi, T. *see* Aoki, M. 9—49500
Hayashi, T. *see* Ema, Y. 9—87165
Hayashi, T. *see* Fujimoto, T. 9—95895
Hayashi, T. *see* Hori, K. 9—63586
Hayashi, T. *see* Kikuchi, T. 9—99610
Hayashi, T. *see* Morimoto, Y. 9—96060
Hayashi, T. *see* Nakajima, A. 9—73314
Hayashi, T. *see* Sato, T. 9—68949
Hayashi, T. *see* Sawa, S. 9—81562
Hayashi, T. *see* Seo, T. 9—63624, 9—67655
Hayashi, T. *see* Takeuchi, T. 9—66435
Hayashi, T. *see* Wasnich, R. 9—83909
Hayashi, Y., Golder, D.G. The generation of equatorial transient planetary waves: control experiments with a GFDL general circulation model 9—79927
Hayashi, Y., Takimoto, A., Matsuda, O., Hori, K. Heat transfer from a horizontal flat plate in laminar forced-natural convection flow 9—64658
Hayashi, Y. *see* Hagi, H. 9—52313, 9—95220
Hayashi, Y. *see* Isa, H. 9—84417
Hayashi, Y. *see* Nagoya, T. 9—70224
Hayashi, Y. *see* Sawamoto, A. 9—70121
Hayashi, Y. *see* Takeuchi, T. 9—66435
Hayashi, Y. *see* Yamaga, M. 9—91294
Hayashibe, S. *see* Ohshima, M. 9—59009
Hayashida, Y. *see* Shin, K. 9—97926
Hayashiuchi, Y. *see* Shiota, S. 9—82707
Hayden, C.M. *see* Grody, N.C. 9—100906
Hayden, J.A. Size fractionation methods: measuring plutonium in respirable dust 9—66836
Hayden, K.J. The semiclassical theory of hopping conductivity 9—91052
Hayden, K.J. *see* Butcher, P.N. 9—82591, 9—95413
Hayden, L.M. *see* Friebele, E.J. 9—50419
Hayden, M.E., Kirstein, E., Singh, S. Role of distinctive features in dichotic perception of 21 English consonants 9—68508
Haydl, H.M., Sherbourne, A.N. Some approximations to the Ilyushin yield surface for circular plates and cylindrical shells 9—64505
Haydock, R., Wilson, A.J. An independent electron theory of atomic interactions on transition metal surfaces 9—60903
Haydock, R. *see* Gallagher, J.M. 9—65319
Haydon, S.C. *see* Nutt, G.F. 9—50097
Hayek, K. *see* Gutmann, A. 9—82486
Hayenga, C.O. *see* Warwick, J.W. 9—79939
Hayes, C.L., Hauck, J.P., Massie, N.A. Laser intracavity phase lock control system 9—76718
Hayes, C.L. *see* Hauck, J.P. 9—76724
Hayes, C.L. *see* Mevers, G.E. 9—62724
Hayes, C.L. *see* SooHoo, J. 9—76710
Hayes, D.M. *see* Farlow, N.H. 9—58040
Hayes, D.S., Philip, A.G.D. The horizontal-branch A stars 9—62829
Hayes, E.F. *see* Meier, P.F. 9—97996
Hayes, E.F. *see* Pendergast, P. 9—85907
Hayes, K.C., Robinson, K.L., Wood, G.A., Jennings, L.S. Assessment of the H-reflex excitability curve using a cubic spline function 9—79510
Hayes, K.C. *see* Robinson, K.L. 9—79509
Hayes, K.G. *see* Abrams, G.S. 9—89149, 9—89174
Hayes, M. The Dirichlet problem for elastic cubic crystals 9—75345
Hayes, M., Musgrave, M.J.P. On energy flux and group velocity 9—53987
Hayes, M.O. *see* Gundlach, E.R. 9—57509
Hayes, P.C. The kinetics of formation of H_2O and CO_2 during iron oxide reduction 9—83449
Hayes, R.L. The medical use of gallium radionuclides: a brief history with some comments 9—53955
Hayes, W. *see* Catlow, C.R.A. 9—60547
Hayes, W.C. *see* Nagurka, M.L. 9—79595
Haymaker, W. *see* Kraft, L.M. 9—66489
Hayman, A.J., Hanstead, P.D. Developments in direct ultrasonic visualization of defects 9—87811
Hayman, P.J. *see* Bussey, P.J. 9—75778, 9—80829
Haynes, B. *see* Barsotti, E. 9—49919
Haynes, D.H. *see* Lansman, J.B. 9—62202
Haynes, M.P. Velocity structure in the Magellanic Stream 9—97078
Haynes, M.P. *see* Giovanelli, R. 9—71083
Haynes, R. *see* Szilard, J. 9—52613
Haynes, R.F., Jauncey, D.L., Lerche, I., Murdin, P.G. Nature of Circinus X-1 9—75296
Haynes, R.F., Murdin, P., Thomas, R.M., Duldig, M.L., Greenhill, J.G. High-resolution map of G 339.6—0.1 and its possible association with 4U 1642—45 9—71143
Haynes, R.F. *see* Duldig, M.L. 9—53939
Haynes, R.F. *see* Greenhill, J.G. 9—71158
Haynes, R.F. *see* Milne, D.K. 9—84841
Hayns, M.R. The response of void-swelling to temperature changes 9—65116
Hayns, M.R. *see* Bullough, R. 9—99246
Hays, G.N. *see* Patterson, E.L. 9—76701
Hays, P.B., Meriwether, J.W., Roble, R.G. Nighttime thermospheric winds at high latitudes 9—74999
Hays, P.B., Roble, R.G. A quasi-static model of global atmospheric electricity. I. The lower atmosphere 9—96799
Hays, P.B. *see* Levine, J.S. 9—96788
Hays, W.P., LaCasce, E.O., Jr., Stone, W.A. Potential flow in a region with sharp change of boundary 9—55352
Hays, W.W., Algermissen, S.T., Miller, R.D., King, K.W. Preliminary ground response maps for the Salt Lake City, Utah, area 9—88287
Hays, W.W. *see* Rogers, A.M. 9—88301
Hayslett, C.R., Swantner, W.H. Testing the White Sands Missile Range (WSMR) 100 mm focal length rotating prism camera lens 9—86249
Hayter, J.B. Polarized neutrons 9—58843
Hayward, P. *see* Pullen, D. 9—83399
Hayward, R.A., Rope, E.L., Tricoles, G. Display and processing of field data near dielectric scatterers 9—76560
Hayward, T.L. *see* McGowan, J.A. 9—57972
Haywood, G.W. Multiple counters using RAMs 9—85870
Haywood, J.K., Bomford, C.K., Hatton, J.A. A less empirical method of representing megavoltage beams for use in rapid radiotherapy dose calculations 9—92374
Haywood, J.K., Robertson, I., Boddy, K. An evaluation of a new neutron tube (Philips type 18604) for total body in vivo activation analysis 9—88162
Hazama, M. *see* Dake, S. 9—62700
Hazan, J.P. Applications of Titus and Phototitus to data processing 9—72513
Hazard, C., Mitton, S. *(editor)* Active Galactic Nuclei 9—75281
Hazell, C.R. *see* Olson, M.D. 9—68628
Hazell, R.G. *see* Rasmussen, S.E. 9—77552
Hazelrigg, H.C. The Atkinson sundial at Indiana University 9—84678
Hazeltine, R.D. *see* Hitchcock, D.A. 9—86583
Hazeltine, R.D. *see* Strauss, H.R. 9—60135
Hazelwood, A.J. *see* Archer-Hall, J.A. 9—86275
Hazen, R.M., Finger, L.W. Crystal structure and compressibility of zircon at high pressure 9—82184
Hazen, W.E., Hendel, A.Z., Foster, J.F., Green, B.A., Hodson, A.L., Bull, R. High p_t cross section from multiple core rates in air showers 9—62703
Hazi, A.U. Behavior of the eigenphase sum near a resonance 9—54285
Hazlett, J.D., Hsu, C.C., Wojciechowski, B.W. Is the Jovanovic isotherm theoretically valid? 9—73400
Hazlewood, F.J., Iordanis, P.C. Abrasion-resistant, titanium-carbide-based coatings formed by glow-discharge-assisted vapour deposition 9—83392
Hazlewood, G.P. *see* Hauser, H. 9—70574
Hazra, L.N., Purkait, P.K., De, M. Apodization of aberrated pupils 9—98298
Hazzledine *see* Holmes, S.M. 9—82235
Hbika, A. *see* Darriet, B. 9—66419
He An-zhi, Pan Guo-shui Measurement of optical homogeneity of large glass disk with high accuracy 9—55195
He Deng *see* Deng He
He Ju, Chang Chao-Shie The photoproduction of relativistic para-positronium and muonium 9—49432
He Ju, Zhang Zhao-Xi, He Zuo-xiu On the 'direct channel diagram' of the production of the $(\pi^+\pi^-)$s S-state atoms 9—81308
He Miao-Fu *see* Wan Lai 9—80319
He Yi-zhen, Li Yong-hong, Zhang Li-de, Li Zong-quan, Tian Feng-zuo In situ observation of crack growth in α-Ti under tensile loading by HVEM 9—96121
He Yin *see* Shi Yi-jin 9—92987
He Zuo-Xiu, Huang Tao A new application of the field-current relations 9—49420
He Zuo-xiu *see* He Ju 9—81308
He Zuo-Xiu *see* Ruan Tu-nan 9—80756
He Zuoxiu *see* Zou Zhenlong 9—80493
He-lie Luo *see* Luo He-lie
He-Ling Huang *see* Huang He-Ling
He-shen Hou *see* Hou He-shen
He-xiang Lu *see* Lu He-xiang
Heacock, R.R. *see* Horita, R.E. 9—53673
Head, A.K. The monodromic Galois groups of the sextic equation of anisotropic elasticity 9—97207
Head, J.L., Goddard, A.J.H., Grant, P.J. Nuclear reactor safety 9—81032
Head, J.L. *see* Grosberg, A.J. 9—85661
Head, J.L. *see* Guha, R.M. 9—54497
Head, J.W. *see* Solomon, S.C. 9—80250
Head, J.W., III. *see* Settle, M. 9—84689
Head, P.V., Griffiths, B.W. A specimen manipulator for analytical vacuum instrumentation 9—63245
Head, S.M., Nassimbene, E., Runyan, N.H. Audio device for the blind 9—76916
Headley, T.J., Rack, H.J. Phase transformations in Ti-3Al-8V-6Cr-4Zr-4Mo 9—100113
Heaf, P.J.D. *see* Short, M.D. 9—100716
Heagy, B.M. *see* Benvenuti, A. 9—58951
Heagy, S.M. *see* Benvenuti, A. 9—49508
Heal, T.J., Littlechild, J.E. Fabrication of UO_2 powder and pellets (IDR process) 9—59239
Heald, S.M. *see* Stern, E.A. 9—59489
Heald, W.R. *see* Haaser, F.G. 9—88014
Healy, G. *see* Parameswaran, K. 9—52172
Healy, J.C. *see* Bureau, M. 9—79582
Healy, J.H. *see* Keys, W.S. 9—79767
Healy, W.P. Line-integral Lagrangians for the electromagnetic fields interacting with charged particles 9—81346
Heaney, J.B. *see* Hass, G. 9—80187
Heaney, R.K., Hobson-Frohock, A., Worts, W.H. The simple attachment of a capsule dosing system to a gas chromatograph 9—70407
Heap, M.P. *see* Trolinger, J.D. 9—76630

Heard, J.F., Griffin, R.F. Radial velocities of certain stars previously measured at the David Dunlap observatory 9—101141
Heard, M.J. *see* Chamberlain, A.C. 9—70491
Hearle, J.W.S. *see* Clark, I.E. 9—97381
Hearn, A.C. *see* Brown, W.S. 9—58535
Hearn, A.L. *see* Yeh, K.C. 9—66848
Hearn, D.R. *see* Markert, T.H. 9—80243
Hearn, D.R. *see* Winkler, P.F., Jr. 9—53876
Heasler, P.C. *see* Silker, W.B. 9—92109
Heasman, A.J. *see* Taylor, P.J. 9—100934
Heath, B.A., Kuebler, N.A., Robin, M.B. Multiphoton ionization spectra of polycyclic alkanes 9—68282
Heath, B.A. *see* Chan, I.Y. 9—73855, 9—89696
Heath, D.E. *see* Pinnel, M.R. 9—70202, 9—79154
Heath, D.F. *see* DeLuisi, J.J. 9—100911
Heath, D.F. *see* Miller, A.J. 9—84430
Heath, M., Roys, W.B. Cutting X-ray-aligned non-conducting crystals using a spark erosion machine 9—80592
Heath, R.L., Hofstadter, R., Hughes, E.B. Inorganic scintillators. A review of techniques and applications 9—72197
Heatherly, L. *see* Clausing, R.E. 9—80628
Heatherly, L. *see* Emerson, L.C. 9—82097
Heatherly, L. *see* Gomay, Y. 9—90438
Heatherly, L. *see* White, C.L. 9—83309
Heathershaw, A.D. The turbulent structure of the bottom boundary layer in a tidal current 9—84284
Heatley, F. Nuclear magnetic relaxation of synthetic polymers in dilute solution 9—89693
Heatley, F. *see* Bagnall, K.W. 9—76428
Heaton, M.M. The estimation of total SCF energies from orbital energies 9—63908
Heavens, O.S., Yuan, Y.F. Interference effects on observation of cells 9—84055
Hebard, A.F. *see* Fiory, A.T. 9—56471
Hebbard, D.F. *see* Kemper, K.W. 9—59082
Hebbard, D.F. *see* Zeller, A.F. 9—75904
Hebbert, R.A. Pollution-control equipment for the metals industries: ENPOCON '78 reviewed 9—66432
Hebel, R., Hollander, H. Size and distribution of ganglion cells in the bovine retina 9—100596
Heber, J. *see* Dornauf, H. 9—83014
Hebral, B., Frossati, G., Godfrin, H., Schumacher, G., Thoulouze, D. Kapitza resistance between CMN and ^{3}He around the mK 9—55999
Hecht, A., Thiel, R., Neumann, E., Nabel, E., Mundry, E. Use and trial of a measuring method for determining the grain size of austenitic thin gauge plates by ultrasonic backscattering 9—91878
Hecht, A.M. *see* Geissler, E. 9—52787
Hecht, C.E., Sapse, A.-M., Shenkin, P. An improved model for a three dimensional pure substance with two critical points 9—69239
Hecht, D.L. Acousto-optic device techniques—400 to 2300 MHz 9—50416
Hecht, L.C. Contact resistance response surface of sintered Al films on (100) silicon 9—78175
Hechtfischer, D. *see* Grohmann, K. 9—88977
Hechtl, E. *see* Bay, H.L. 9—74042
Heck, A. *see* Cassatella, A. 9—62837
Heck, D. *see* Pinston, J.A. 9—63590
Heck, L. The algebraic structure of the Thirring model 9—89055
Heck, R. Computer assisted management of ground water 9—57989
Heckathorn, D. Dimensional regularization and renormalization of Coulomb gauge quantum electrodynamics 9—89087
Hecke, P.Van *see* Van Hecke, P.
Heckenberg, N.R. *see* Dyksterhuis, F.H. 9—98093
Hecker, H.C. *see* Natelson, M. 9—67931
Hecker, R. *see* Amian, W. 9—67871
Hecker, R. *see* Filges, O.D. 9—85753
Hecker, S.S. *see* Rohr, D.L. 9—61715
Heckermann, H. *see* Strasser, A. 9—63798
Heckingbottom, R. *see* Speight, J.D. 9—77951
Heckler, M.K. *see* Edwards, J.G. 9—49214
Heckman, G.R. *see* Jean, A.G. 9—58097
Heckman, H.H. *see* Westfall, G.D. 9—54453
Heckman, T.M., Balick, B. Morphology of an emission-like nebulosity associated with 3C 120 9—80363
Heckroodt, R.O., Ryan, W. Clay suspensions with 'negative thixotropy' 9—52789
Hecq, A. *see* Hecq, M. 9—78878, 9—91552
Hecq, M., Hecq, A., Delrue, J.P., Robert, T. Sputtering deposition, XPS and X-ray diffraction characterization of oxygen-platinum compounds 9—78878
Hecq, M., Hecq, A., Robert, T. Reactive sputtering of platinum in Ar-O_2 mixtures 9—91552
Hedberg, K. *see* Hedberg, L. 9—64115
Hedberg, L., Iijima, T., Hedberg, K. Nickel tetracarbonyl, $Ni(CO)_4$. I. Molecular structure by gaseous electron diffraction. II. Refinement of quadratic force field 9—64115
Hedegaard, K. *see* Gryning, S.E. 9—58059
Hedgcock, F.T., Strom-Olsen, J.O., Wilford, D.F. Spin glass ordering in $(Cr_{98}Mo_2)_{90}Fe_{10}$ 9—61157
Hedgcock, F.T. *see* Cochrane, R.W. 9—60783
Hedge, A.G., Thakker, D.M., Bhat, I.S. Long-term clearance of inhaled ^{60}Co 9—79663
Hedge, C.E. *see* Batiza, R. 9—66657
Hedges, M.J., Leeman, S. 1.5 MHz ultrasound irradiation of human lymphocytes 9—96609
Hedin, A. Automatic inductance measurement 9—85152
Hedin, A.E., Reber, C.A., Spencer, N.W., Brinton, H.C., Kayser, D.C. Global model of longitude/UT variations in thermospheric composition and temperature based on mass spectrometer data 9—53591
Hedin, A.E. *see* Mayr, H.G. 9—84556
Hedin, A.E. *see* Torr, D.G. 9—96856
Hedin, A.K. *see* Horovitz, L.J. 9—96584
Hedin, R.C., Andersen, D.P. A prerecorded voice response system 9—90096
Hedinger, R. *see* Tuan, T.F. 9—53603
Hedley, A.B. *see* Papavergos, P.G. 9—72967
Hedlicka, S.M. *see* Skinner, D.P. 9—90087
Hedman, J. *see* Berndtsson, A. 9—83101
Hedman, L.E., Rao, K.V., Astrom, H.U. The magnetic moment of iron in chromium and chromium alloys 9—61079
Hedrick, C.L. *see* Jaeger, E.E. 9—98956
Hedrick, C.L. *see* Spong, D.A. 9—55469
Hedrick, C.L. *see* Uckan, N.A. 9—76120
Hedstrom, G.W. Nonreflecting boundary conditions for nonlinear hyperbolic systems 9—50748
Hedvig, P. *see* Foldes, E. 9—70124
Hee Be Suck *see* Suck Hee Be
Hee Cha Jong *see* Jong Hee Cha
Heeds, W., Irish, J.D. Homogeneous cell parameters for 2-D reactor codes by axial averaging of the third dimension 9—54577
Heeger, A.J. *see* Chiang, C.K. 9—65464, 9—65466
Heeger, A.J. *see* Fincher, C.R., Jr. 9—73979
Heeger, A.J. *see* Gunning, W.J. 9—51961
Heeger, A.J. *see* Heilmann, I.U. 9—95103
Heeger, A.J. *see* Moses, D. 9—86864
Heeger, A.J. *see* Ozaki, M. 9—95474
Heeger, A.J. *see* Park, Y.W. 9—56271
Heeger, A.J. *see* Pouget, J.P. 9—69208
Heeger, A.J. *see* Salaneck, W.R. 9—98150
Heeger, A.J. *see* Su, W.P. 9—76540
Heeger, A.J. *see* Weinberger, B.R. 9—95566
Heeley, J.D. *see* Lees, S. 9—96611
Heemskerk, J.P.J. *see* Asbeck, P.M. 9—89954
Heenan, R.K., Robiette, A.G. The molecular structure of bromine pentafluoride: a joint analysis of gas electron diffraction data and microwave rotational constants 9—76363
Heenan, R.K., Robiette, A.G. The molecular structure of iodine pentafluoride: an analysis of electron diffraction data and the microwave B_0 rotational constants 9—89782
Heer, C.V., Griffen, N.C. Generation of a phase-conjugate wave in the forward direction with thin Na-vapor cells 9—89957
Heer, C.V., Sutherland, R.L. Optical properties of photon echoes stimulated by three frequencies 9—81493
Heer, E. *see* Besset, D. 9—63503
Heer, F.J.de *see* de Heer, F.J.
Heer, F.J.De *see* De Heer, F.J.
Heer, H. *see* Furrer, A. 9—78352
Heer, M. Practical calculation of errors in the measurement technique. I 9—67245
Heeringa, W. *see* Klages, H.O. 9—75965
Heertum, R.L.Van *see* Van Heertum, R.L.
Heese, R. *see* Blumberg, L. 9—68031
Heese, R. *see* Galayda, J. 9—67973
Heese, R. *see* Krinsky, S. 9—68023
Heese, R.N. *see* Galayda, J. 9—68038
Heestand, R.L. *see* Copeland, G.L. 9—89412
Heetderks, W., Kwan, P. A hardware device for multispike signal detection and sorting by template matching 9—79711
Heetderks, W.J. *see* Wheeler, B.C. 9—83760
Hefferen, J.J. *see* Davis, W.B. 9—96634
Heffner, R.H., Brown, J.A., Hutson, R.L., Leon, M., Parkin, D.M., Schillaci, M.E., Gauster, W.B., Carlson, O.N., Rehbein, D.K., Fiory, A.T. Muon diffusion and trapping studied in high purity vanadium 9—56686
Heffner, R.H. *see* Brown, J.A. 9—56685
Heffner, R.H. *see* Kohn, S. 9—56695
Heffner, R.H. *see* Leon, M. 9—56698
Heffner, T. *see* Millendorf, S.A. 9—62510
Hefny, M.M. *see* El-Basiouny, M.S. 9—96182
Hefter, E.F. *see* Gridnev, K.A. 9—80948, 9—97715
Hefter, U. *see* Bergmann, K. 9—54999
Hegarty, D., Robb, M.A. Calculation of effective Hamiltonians using quasi-degenerate Rayleigh-Schrodinger perturbation theory (QD-RSPT) 9—71284
Hegarty, J. *see* Wilson, B.A. 9—73994
Hegazi, A.I. *see* Sakr, I.A. 9—62072
Hegde, M.S., Ghosh, P.K. Relaxation times for establishing steady state populations in optically thin helium plasmas 9—55561
Hegde, M.S. *see* Madhusudan, W.H. 9—56885
Hegde, M.S. *see* Rao, C.N.R. 9—78839
Hegde, M.S. *see* Vasudevan, S. 9—91565
Hege, E.K. *see* Liebert, J. 9—67034
Hegedus, P., Kolnik, S. A note on the ultrasonic study of elastic coefficients in anisotropic media 9—73256
Hegedus, P., Kolnik, S. Some invariance relations for acoustic waves in crystals deformed by hydrostatic pressure 9—95087
Hegedus, V. *see* Dorph, S. 9—62334
Hegedus, Z.S. *see* Hariharan, P. 9—72535
Hegelund, F. The Raman spectrum of the 2200 cm^{-1} wavenumber region of gaseous ethylene-d_4 9—59473
Hegemier, G.A. *see* Murakami, H. 9—50631, 9—50632
Hegerath, A. *see* Arends, J. 9—75971
Hegerberg, R. *see* Elford, M.T. 9—88971
Heggie, D.C. A theory of core collapse in clusters 9—84829
Heggie, J.C.P. *see* Clark, G.J. 9—95283
Hegstrom, R.A. *see* Rein, D.W. 9—76366
Heh-jeong Moh Zhang Energy bands in ferromagnetic iron 9—51479
Hehenberger, M. *see* Zerner, M.C. 9—54762
Hehenkamp, T., Sander, L. Equilibrium defects in Cu-Ge alloys 9—86789
Hehenkamp, T., Schlett, V., Lodding, A., Odelius, H. Isotope effect in the diffusion of the stable germanium isotopes in copper 9—60552
Hehl, K. *see* Gartner, K. 9—86029
Hehre, W.J. *see* DeFrees, D.J. 9—91987
Heiberger, J.J., Fink, J.K., Leibowitz, L. Observations on effects of stainless steel on UO_2-graphite interactions 9—59172
Heiblum, M. *see* Yasuoka, Y. 9—87161
Heicklen, J. Chemical control of photochemical smog 9—52982
Heicklen, J. *see* Simonaitis, R. 9—57256, 9—74931
Heidberg, J., Stein, H., Nestmann, A., Hoefs, E., Hussla, I. Infrared laser molecular solid interaction at low temperatures under ultrahigh vacuum 9—69914
Heide, H.G. *see* Dietrich, I. 9—55786
Heide, K. *see* Hartung, E. 9—52205
Heidel, D.F., Garland, J.C. Thermoelectric branch imbalance currents in superconductors 9—56370
Heideman, H.G.M. *see* Westerveld, W.B. 9—86071
Heidemann, A. *see* Ait-Salem, M. 9—90818
Heidemann, A. *see* Cailleau, H. 9—82329
Heidemann, A. *see* Clough, S. 9—51015, 9—60287
Heidemann, A. *see* Dornow, V.A. 9—76253
Heidemann, A. *see* Riekel, C. 9—90827
Heiden, C. *see* Rogalla, H. 9—60964
Heiden, M. *see* Drijard, D. 9—89150
Heidenreich, G. *see* Schmelzbach, P.A. 9—71830
Heidmann, J. The chumpy irregular galaxies 9—97072
Heidmann, J. *see* Barbieri, C. 9—101201
Heidner, R.F., III, Bott, J.F., Gardner, C.E., Melzer, J.E. Absolute rate coefficients for $F+H_2$ and $F+D_2$ at T=295K 9—68258
Heidorn, K.C. Air pollution incidents and wind variability in southern Ontario 9—70822
Heidrich, K. *see* Haupt, H.J. 9—90632
Heier, K.S. The movement of uranium during higher grade metamorphic processes 9—84274
Heierli, W. Requirements for comprehensive surface analysis 9—70411
Heighway, E.A. *see* Ormrod, J.H. 9—54657
Heijden, R.W.Van der *see* Van der Heijden, R.W.
Heijn, G.von *see* von Heijn, G.
Heikens, D., Hoen, N., Barentsen, W., Piet, P., Ladan, H. Mechanical properties and morphology of copolymer modified polymer blends 9—57088
Heikkila, W.J. *see* Untiedt, J. 9—66888
Heikkinen, D.W. *see* Davis, J.C. 9—76221
Heikkinen, D.W. *see* Mann, L.G. 9—54378
Heikkinen, P. *see* Noponen, I. 9—79743
Heil, T.G., Dalgarno, A. Diabatic molecular states 9—97969
Heil, V., Manakos, P. Effective convection current in the shell-model 9—63606
Heil, V., Manakos, P. Current conserving random phase approximation 9—75878
Heiland, W., Beitat, U., Taglauer, E. Scattering of molecular and atomic hydrogen ions from single-crystal surfaces 9—69943
Heiland, W. *see* Englert, W. 9—65324
Heiland, W. *see* Taglauer, E. 9—89762
Heiland, W. *see* Tolk, N.H. 9—63951
Heiles, C. H I shells and supershells 9—53861
Heilig, K., Flietner, H., Reineke, J. Investigation of energetic surface state distributions at real surfaces of silicon after treatment with HF and H_2O using large-signal photovoltage pulses 9—60888
Heiliger, W. *see* Sussmann, H. 9—51618
Heilmann, H.G. *see* Blietschau, J. 9—93396
Heilmann, I.U., Axe, J.D., Hastings, J.M., Shirane, G., Heeger, A.J., MacDiarmid, A.G. Neutron investigation of the dynamical properties of the mercury-chain compound $Hg_{3-\delta}AsF_6$ 9—95103
Heilmann, I.U., Birgeneau, R.J., Endoh, Y., Reiter, G., Shirane, G., Holt, S.L. Energy gaps in the spin-wave dispersion of the linear antiferromagnet TMMC 9—91223
Heilmann, O.J., Huckaby, D.A. Phase transitions in lattice gas models for water 9—80535

Heilmann, O.J., Lieb, E.H. Lattice models for liquid crystals 9—95128

Heilmann, P., Heinz, K., Muller, K. The superstructures of the clean Pt(100) and Ir(100) surfaces 9—73259

Heilmann, P. *see* Lang, E. 9—73074

Heim, A. *see* Lottner, V. 9—60550, 9—95208

Heiman, D., Hamilton, D.S., Hellwarth, R.W. Brillouin scattering measurements on optical glasses 9—95792

Heiman, D. *see* Hamilton, D.S. 9—64274

Heiman, N., Kazama, N. Magnetic properties of amorphous alloys of Fe and La, Lu, Y, and Zr 9—69701

Heiman, N., Kazama, N., Lee, K. Amorphous GdNdFe bubble films with good temperature characteristics 9—95616

Heiman, N. *see* Terzieff, P. 9—56577

Heimann, P., Hermanson, J., Miosga, H., Neddermeyer, H. Observation of a d-like surface-state band on Cu(100) using angle-resolved photoemission 9—78840

Heimann, P.A. *see* Cohen, M.I. 9—85133

Heimann, W. *see* Schmidt, W. 9—96103

Heimdahl, O.E.R. *see* Hindman, E.E. 9—100951

Heime, K. *see* Konig, U. 9—70000

Heimendahl, M.Von *see* Von Heimendahl, M.

Heimlich, F.H. *see* Becker, U. 9—59059

Heimlich, F.H. *see* Hartwig, S. 9—49621

Hein, A., Vita-Durand, F., Salinger, W., Diamond, R. Eye movements initiate visual-motor development in the cat 9—83774

Hein, G. *see* Groten, E. 9—79788

Hein, K. *see* Becherer, H. 9—52094

Heinbockel, J.H. *see* Walker, G.H. 9—70450

Heine, D., Abhat, A. Investigation of physical and chemical properties of phase change materials for space heating/cooling applications 9—57479

Heine, P. The distribution of the shear stresses caused by transverse force in the rails of DIN 15087E 9—61647

Heine, P. *see* Jonker, M. 9—93399

Heine, V. *see* Duthie, J.C. 9—78058

Heine, V. *see* Holden, A.J. 9—51491

Heinekamp, S. *see* Nettel, S.J. 9—90975

Heineman, W.R., Anderson, C.W., Halsall, H.B. Immunoassay by differential pulse polarography 9—79709

Heinemann, K., Kim, H.K., Poppa, H. Nucleation, growth, and postdeposition thermally induced epitaxy of gold on sapphire 9—77946

Heinemann, K., Yacaman, M.J., Yang, C.Y., Poppa, H. The structure of small, vapor-deposited particles. I. Experimental study of single crystals and particles with pentagonal profiles 9—77566

Heinemann, K. *see* Yacaman, M.J. 9—77567

Heinemann, K. *see* Yang, C.Y. 9—82488, 9—86732

Heinen, R. Investigations into the measurement and analysis of infrasound and the development of a measuring system 9—50541

Heiney, P. *see* Stephens, P.W. 9—73382

Heinhold, D. *see* Bottcher, R. 9—99791

Heinicke, W., Thomas, W. Criticality control by gadolinium for U/Pu systems 9—85729

Heiniger, F., Tschudi, T. Moire depth contouring 9—75488

Heiniger, F., Tschudi, T., Kunzler, W. Moire depth contouring of moving biological objects 9—74816

Heinkelmann, W. *see* Petrowicz, O. 9—100698

Heinmann, P., Hermanson, J., Miosga, H., Neddermeyer, H. Photoemission observation of a new surface state band on Cu(110) 9—91121

Heinmets, F. Electron reactions with cytochrome c in ethylene glycol/water glass at −196°C 9—62194

Heinrich, A. First-order NPO scattering in semiconductors. Drift mobility and Hall factor 9—51579

Heinrich, B., Cochran, J.F. Phonon assisted magnon transmission through nickel at 24 GHz 9—82878

Heinrich, B., Hanham, S.D., Arrott, A.S. The magnetic aftereffect in 180 degree magnetically bowed Bloch walls 9—78432

Heinrich, B. *see* Arrott, A.S. 9—82826

Heinrich, B. *see* Dewar, G. 9—82877

Heinrich, B. *see* Hanham, S.D. 9—82814

Heinrich, F., Oggenfuss, A. Positron annihilation in plastically deformed zinc under the influence of high electric currents 9—69899

Heinrich, G., Nickel, H., Mazurkiewicz, M., Avni, R. Plasma-spectroscopic studies on alternating current arc discharges in methane 9—87843

Heinrich, G. *see* Sakano, H. 9—83701

Heinrich, H. *see* Carver, G.P. 9—65567

Heinrich, J., Streb, G. Quantitative microstructural analysis of reaction-bonded silicon nitride 9—100092

Heinrich, J.C. *see* Zienkiewicz, O.C. 9—49056

Heinrich, R.R. *see* Kirk, M.A. 9—61470

Heinrich, S. *see* Ellner, M. 9—99119

Heinrich, W. Propagation of a high energy heavy ion beam through matter 9—54755

Heinrichs, H. *see* Arnolds, G. 9—72009

Heinrichs, J. The virial theorem for the jellium model of metal surfaces 9—60892

Heinrichs, J. New magnetic transition above the percolation threshold: Disordered Ising model on a Cayley tree 9—73757

Heinrichs, M., Wittig, J. Resistance anomalies in praseodymium under pressure 9—65430

Heins, D. *see* Bothe, W. 9—68000

Heinsheimer, T.F., Sweeney, L.H., Yates, F.F., Maran, S.P., Rountree Lesh, J., Nagy, T.A. Development of the Equatorial Infrared Catalogue from satellite data 9—101091

Heintz, A. Excess volumes of mixtures of alkanes determined by precise measurements of the density. Comparison with theoretical calculations using an extended Flory theory 9—73324

Heintz, W.D. The triple star h 3556 9—88701

Heintz, W.D. Orbit and flare activity of the M4 binary Kpr 41 9—97032

Heintzen, P.H. *see* Brennecke, R. 9—70624

Heintzen, P.H. *see* Onnasch, D. 9—62360

Heintzenberg, J., Witt, G. Extension of atmospheric light scattering measurements into the UV region 9—74955

Heintzmann, H., Nitsch, J. Cerenkov radiation of a charged particle moving in a magnetized, cold plasma (pulsar magnetosphere) 9—62736

Heinz, J.M. *see* Resnick, S.B. 9—94412

Heinz, J.M. *see* Weiss, M.S. 9—72766

Heinz, K. *see* Heilmann, P. 9—73259

Heinz, K. *see* Lang, E. 9—73074

Heinz, R.E. *see* Stencel, J.M. 9—73912

Heinz, U., Greiner, W., Scheid, W. Equation of state for hot nuclear matter 9—93538

Heinz, W. Large-scale application of superconducting material 9—69640

Heinze, B. *see* Bartl, J. 9—87996

Heinze, W. *see* Drechsel, D. 9—71818

Heinze, W.J. *see* Pandey, G.N. 9—79512

Heinzelmann, P.J. *see* Klein, H. 9—57366

Heinzer, F. *see* Gagosian, R.B. 9—92549

Heinzinger, K. *see* Szasz, Gy.I. 9—82142

Heinzinger, K. *see* Wolfsberg, M. 9—59590

Heinzmann, U., Schonhense, G., Kessler, J. Polarization of photoelectrons ejected by unpolarized light from xenon atoms 9—72289

Heise, M. *see* Dorre, P. 9—75452

Heise, U. Condition of a functional equation for the static boundary value problem of plane elastostatics 9—80446

Heisel, F. *see* Fuchs, C. 9—52024

Heisenberg, J. *see* Lichtenstadt, J. 9—93490

Heiser, H. *see* Beitin, M.R. 9—75838

Heisey, S.R. *see* Adams, T. 9—92457

Heisig, R., Forth, H.-J. Design and performance of refrigerator cooled cryopumps 9—58754

Heising, C.D. Analyzing the reprocessing decision: plutonium recycle and nuclear proliferation 9—85737

Heiss, W.D. Collective states and crossing symmetry 9—93497

Heister, H. New developments in X-ray television. II. Functional description of a high-resolution X-ray TV installation 9—57751

Heisterberg, R.H. *see* Loomis, W.A. 9—71757

Heite, F.H., Dupuis, P.F., van 'T Klooster, H.A., Dijkstra, A. Numerical taxonomy and information theory applied to feature selection from filed infrared spectra for automated interpretation 9—50012

Heithier, H., Galla, H.-J., Mohwald, H. Phase separation and domain interaction in pheophytin containing monolayers 9—100580

Heitler, W. On the complementarity of living and lifeless matter 9—66436

Heitman, J.M. *see* Anderson, N.C. 9—86261

Heitmann, H., Hansen, P., Witter, K., Spohr, R. Influence of nuclear tracks on the coercivity of single crystalline $(Gd,Bi)_3(Fe,Ga)_5O_{12}$ LPE garnet films 9—51829

Heitmann, W. *see* Zwick, U. 9—50383

Heitner-Wirguin, C. Infra-red spectra of perfluorinated cation-exchange membranes 9—89818

Heitz, Ch., Hagmann, S., Kraft, G., Kwadow, M. X-ray measurements of K-L level matching in heavy ion collisions 9—63948

Hejtmanek, J. Dynamics and spectrum of the linear multiple scattering operator in the Banach lattice $L^1(R^3 \times R^3)$ 9—93073

Hekbree, D.M., Hintom, E.R., Jr., Kemmerer, R.R., Mamantov, G., Wehry, E.L. Matrix isolation microsampling procedures in quantitative Fourier transform infrared spectrometry 9—100460

Hekmat-Shoar, M.H. *see* Elahi, M. 9—82866

Helal, A.M. *see* Mandil, M.A. 9—72779

Helas, G., Hoffmann, P., Bachmann, K. Investigation of the influence of some experimental parameters on the position of the deposition zone in a temperature-gradient tube 9—70402

Helbig, H.F. *see* Nagasaka, M. 9—79153

Helbig, H.F. *see* Prince, E.T. 9—75501

Helbig, M., Inoue, H., Vogl, O. Preparation and characterization of head-to-head polymers. VIII. Head-to-head poly(vinyl cyclohexane) 9—70036

Held, I.M. The tropospheric lapse rate and climatic sensitivity: experiments with a two-level atmospheric model 9—80004

Held, J.L. *see* Davis, J.C. 9—76221

Held, R. *see* Gwiazda, J. 9—53113

Held, R. *see* Mohindra, I. 9—57642

Heldt, J., Leuchs, G. Lifetime measurements of lithium D-states 9—63965

Heleskivi, J. *see* Faymonville, R. 9—78118

Helfand, D. *see* Giacconi, R. 9—70941

Helfand, D.J. Neutrinos from neutron stars 9—53851

Helfant, S. *see* Coccoli, J.D. 9—72605

Helfrich, W. Structure of liquid crystals, especially order in two dimensions 9—86698

Helgren, D.M. *see* Butzer, K.W. 9—88471

Helin, E. 1979 QA 9—92692

Helin, E., Marsden, B.G. 1979 QB 9—92693

Helin, E., Marsden, B.G. 1979 QB 9—101108

Hell, K.G. *see* Kerbauy, G.B. 9—92295

Hell, R. A miniature digital voltmeter 9—80601

Helland, K.N., Rosenblatt, M. Spectral variance estimation and the analysis of turbulence data 9—64641

Hellemans, L. *see* Nackaerts, R. 9—91061

Hellens, R.L., Matzie, R.A., Menzel, G., Shapiro, N.L. Reactor design based on the spectral shift control concept 9—54482

Heller, G. *see* Berndt, W. 9—90891

Heller, H.W.F., Slakhorst, J.W.H.G., Verbraak, C.A. Grain growth in strained {110}<112> low stacking fault FCC crystals after artificial nucleation 9—91722

Heller, K. Polarization in inclusive lambda production 9—63542

Heller, K.J. *see* Roe, B.P. 9—63537

Heller, L. Off-shell effects in the nucleon-nucleon system 9—80839

Heller, L., Johnson, K. The effect of colored glue in the charmonium wave function 9—75735

Heller, M. *see* Grabinska, T. 9—84872

Heller, S.R., Milne, G.W.A. EPA/NIH mass spectral data base. Vol.I. Molecular weights 30-186 9—64119

Heller, S.R., Milne, G.W.A. EPA/NIH mass spectral data base vol.III. Molecular weights 273-381 9—64120

Heller, S.R., Milne, G.W.A. EPA/NIH mass spectral data base. Vol.IV. Molecular weights 381-1674 9—64121

Heller, S.R., Milne, G.W.A. EPA/NIH mass spectral data base vol.II. Molecular weights 186-273 9—68329

Heller, W. *see* Diop, S. 9—79303

Heller-Kallai, L., Rozenson, I. Removal of magnesium from interstitial waters in reducing environments—the problem reconsidered [marine sediments] 9—66673

Helleur, C. *see* Paidoussis, M.P. 9—86375

Hellfeld, A.Von *see* Von Hellfeld, A.

Hellier, L.E. *see* Williams, J.B. 9—100570

Hellings, R.W. Detecting a gravitational-radiation background using spacecraft Doppler tracking 9—80494

Helliwell, J.B., Mosa, M.F. Radiative heat transfer in horizontal magnetohydrodynamic channel flow with buoyancy effects and an axial temperature gradient 9—60069

Helliwell, R.A. *see* Luette, J.P. 9—101028

Hellman, S. *see* Levene, M.B. 9—92367

Hellmeister, H.P., Kaup, U., Keinonen, J., Lieb, K.P., Rascher, R., Ballini, R., Delaunay, J., Dumont, H. Band structure of ^{78}Kr 9—80863

Hellsten, T. MHD stability for a Spherator with a purely poloidal magnetic field 9—98961

Hellsten, T.A.K. Continuous magnetohydrodynamic spectrum in axially symmetric rotating plasmas 9—60180

Hellstrom, E.E., Huggins, R.A. A study of the systems M_2S-Al_2S_3, M=Li, Na, K; preparation, phase study and electrical conductivity 9—96010

Hellwarth, R.W. Conjecture on the effect of small anharmonicity on vibrational modes of glass 9—95112

Hellwarth, R.W. *see* Hamilton, D.S. 9—64274

Hellwarth, R.W. *see* Heiman, D. 9—95792

Hellwarth, R.W. *see* Martin, G. 9—59753

Hellwig, H.W. *see* Wineland, D.J. 9—71418

Hellwig, J.W. *see* Moise, J.C. 9—53286

Helm, H. Electron-impact ionization of Ar_2, ArKr, Kr_2, KrXe, and Xe_2 9—86078

Helm, R.H. Modeling a horizontal wiggler in an electron storage ring 9—68029

Helm, R.H. *see* Chao, A.W. 9—72208

Helman, J.S., Alexander, S. Dynamical correlation functions and scattering from spin fluctuations near magnetic phase transitions 9—73747

Helman, J.S. *see* Moya, M.M. 9—58492

Helman, J.S. *see* Vazquez-Lopez, C. 9—100525

Helman, S.I. *see* Macchia, D.D. 9—92195

Helmberger, D.V., Engen, G., Scott, P. A note on velocity, density, and attenuation models for marine sediments determined from multibounce phases 9—57864

Helmberger, D.V. *see* Jennings, P.C. 9—88271

Helmberger, D.V. *see* Tai-Lin Hong 9—66629

Helmbold, M. *see* Amian, W. 9—67871

Helmer, R.G. γ-ray energies for ^{228}Ra-^{228}Ac decay and the ^{228}Th decay chain 9—85857

Helmer, R.G., Gehrke, R.J. γ-ray intensites from ^{197}Hg (64 h) decay 9—75922

Helmer, R.G. *see* Gehrke, R.J. 9—59035
Helmers, H., Von Boetticher, H., Schmitz-Feuerhake, I. Scanner performance to overcome efficiency problems in three-dimensional scintigraphy by γ-γ-coincidences 9—92351
Helmers, H. *see* von Boetticher, H. 9—53235
Helmholdt, R.B. *see* de Pater, C.J. 9—86886
Helmick, H.H., Schwenk, F.C. Gaseous fuel reactors for power systems 9—49829
Helmis, G. *see* Thomas, F. 9—69183
Helmkamp, R.W., Bale, W.F., Hrynyszyn, V. The determination of ^{210}Po and ^{210}Bi in human urine by direct extraction on nickel 9—100707
Helmke, R. *see* Reaves, D.B. 9—72217
Helmke, R.G., Rice, D.H., Ball, S.E. Interface hardware for the CESR control system 9—72069
Helmke, R.G. *see* Littauer, R. 9—72210
Helmken, H. *see* Cline, T.L. 9—101218
Helms, C.R. Morphology and electronic structure of Si-SiO_2 interfaces and Si surfaces 9—78194
Helms, C.R. *see* Adachi, T. 9—99596
Helms, C.R. *see* Schwarz, S.A. 9—83081, 9—100003
Helms, C.R. *see* Stefan, P.M. 9—77907
Helms, L.L., Loeb, P.A. Applications of nonstandard analysis to spin models 9—97302
Helms, V.T., III Measuring flow angle and mass flow rate in an unknown flowfield 9—77306
Helmy, E.M. *see* Gleeson, P.F. 9—73320
Helrich, C., Lehman, T. A rolling pendulum bob: conservation of energy and partitioning of kinetic energy 9—62956
Helvajian, H., Wittig, C. Collisional quenching of $HgBr(B^2\Sigma^+_{1/2})$ 9—89705
Helwig, J. *see* Barth, E. 9—91389
Hembree, G.G., Cowley, J.M., Otooni, M.A. The oxidation of copper studied by electron scattering techniques 9—83377
Hemenger, R.P., Kaplan, T., Gray, L.J. Theoretical optical spectra for large aggregates of chromophores 9—70523
Hemenger, R.P. *see* Pearlstein, R.M. 9—100572
Hemenway, C.P., Lindeman, T.G., Wiesenfeld, J.R. Measurement of the $A^3\pi_{1u}$—$X^1\Sigma^+_g$ continuum absorptivity in Br_2 9—68238
Hemila, S. *see* Donner, K.O. 9—79532
Heming, P. *see* Hitchen, M. 9—66576
Hemkar, M.P. *see* Kharoo, H.L. 9—73270
Hemkar, M.P. *see* Pathak, L.P. 9—91016
Hemkar, M.P. *see* Singh, B.P. 9—51219
Hemmati, H., Collins, G.J. Atomic gallium photodissociation laser 9—89897
Hemmen, J.J.van *see* van Hemmen, J.J.
Hemmendinger, A., Ragan, C.E., Wallace, J.M. Tritium production in a sphere of ^6LiD irradiated by 14-MeV neutrons 9—59254
Hemmer, G. *see* Stahler, J. 9—85864
Hemmer, P.C. *see* Napiorkowski, M. 9—67230, 9—75468
Hemmi, S. *see* Kawai, E. 9—49546
Hemmie, G. *see* Bothe, W. 9—68000
Hemmie, G. *see* Febel, A. 9—71984
Hemminga, M.A. Qualitative explanation of saturation transfer ESR effects using the concept of hole-burning 9—94022
Hemnits, G. *see* Bystritskii, V.M. 9—50171
Hemon, C. Wave equations and models 9—74843
Hemp, J. *see* Al-Khazraji, Y.A. 9—68860
Hempel, E. *see* Bindemann, R. 9—65788
Hempel, F.G. Oxygen tensions measured in cat cerebral cortex under hyperbaric conditions 9—83826
Hemptinne, X.de *see* de Hemptinne, X.
Hemsley, D.A. *see* Nandra, D.S. 9—83317
Hemstreet, L.A., Dimmock, J.O. Cluster calculations of the electronic states of Cr^{2+} in GaAs 9—87064
Hemstreet, L.A. *see* Beni, G. 9—69429
Henaff, J., Feldmann, M. Computed coupling and temperature coefficients of ASW in Tl_3VS_4 and Tl_3TaSe_4 9—51410
Henager, C.H., Jr. *see* Wang, R. 9—74407
Henaish, B.A., Sayed, A.M., Morsy, S.M. Light influence on thermoluminescent BeO and other TL-phosphors 9—76293
Hench, L.L. *see* Dilmore, M.F. 9—61753
Hench, L.L. *see* Ethridge, E.C. 9—96167
Hench, L.L. *see* Palmer, R.A. 9—91820
Hendee, W.R. *see* Hills, J.F. 9—83865
Hendee, W.R. *see* Rossi, R.P. 9—92368
Hendekovic, J. Multi-configurational complex molecular orbital method 9—85878
Hendel, A.Z. *see* Hazen, W.E. 9—62703
Henden, A.A. *see* Honeycutt, R.K. 9—62743
Henderson, A.P. A model for the orientation of M31 9—71115
Henderson, B. Studies of F centre luminescence in CaO 9—95832
Henderson, B.C. *see* Hofstetter, K.J. 9—81070, 9—85731
Henderson, C.M.B., Taylor, D. Infrared spectra of aluminogermanate- and aluminate-sodalites and a re-examination of the relationship between T-O bond length, T-O-T angle and the position of the main IR absorption band for compounds with framework structures 9—91445
Henderson, C.M.B. *see* May, G.J. 9—55910
Henderson, D., Blum, L. The relation between the nonlinear Debye-Huckel theory and the hypernetted chain approximation 9—64970
Henderson, D., Blum, L., Smith, W.R. Application of the hypernetted chain approximation to the electric double layer at a charge planar interface 9—60912
Henderson, D., Hamernik, R.P., Hynson, K. Hearing loss from simulated work-week exposure to impulse noise 9—74687
Henderson, D.M. *see* Pinnow, D.A. 9—59804
Henderson, D.W. Thermal analysis of non-isothermal crystallization kinetics in glass forming liquids 9—51001
Henderson, G. *see* Bromley, A.K.R. 9—70888
Henderson, J.B. *see* Wiebelt, J.A. 9—76954
Henderson, J.R. Isoscalar giant resonances and pair correlations in nuclei 9—75945
Henderson, J.R., Lekner, J. Extraction of the surface thickness of liquid argon near its triple point from the data of Shih and Uang 9—99400
Henderson, R.C.W. *see* Armenise, N. 9—67533
Henderson, R.S. USAF aerial weather reconnaissance using the Lockheed WC-130 aircraft 9—66816
Henderson, T.F. *see* Green, M.I. 9—67354
Henderson, T.M. *see* Musinski, D.L. 9—49834
Henderson-Sellers, A. The Earth's evolution and paleoclimatology—a computational model 9—58080
Henderson-Sellers, A. Clouds and the long-term stability of the Earth's atmosphere and climate 9—74951
Henderson-Sellers, A. A simplified model for deriving planetary surface temperatures as a function of atmospheric chemical composition 9—84695
Hendl, G. *see* Marth, W. 9—97778
Hendrick, P.L. Light ion irradiation creep apparatus 9—70264
Headricks, C.D. *see* Guttman, J.L. 9—85766
Hendricks, C.D. *see* Kim, K. 9—49833
Hendricks, J.B. *see* Urban, E.W. 9—54141
Hendricks, J.S., Close, D.A. ^3He detector design for low-level transuranic waste assay 9—54542
Hendricks, R.W. *see* Koehler, W.C. 9—75670
Hendricks, R.W. *see* Stinson, R.H. 9—62408
Hendrickson, J.R., Philbrook, J. Resonant torsional apparatus for contactless measurements of electrical conductivity and magnetic susceptibility of solids 9—75675
Hendrickson, R.A. *see* Fanslow, G.E. 9—70649
Hendrie, D.L. Heavy ion research with cyclotrons 9—54447
Hendrie, D.L. *see* Ortiz, M.E. 9—67769
Hendrie, D.L. *see* Van Bibber, K. 9—97723
Hendrix, C.E. *see* McCreery, G.E. 9—49730
Hendry, A., Jack, K.H. Influence of nitrogen on 475°C embrittlement of high-chromium ferritic steels 9—83313
Hendry, A. *see* Coates, D.J. 9—61786
Hendry, A. *see* McCormick, G.C. 9—58046
Hendry, G.O., Carroll, L.R., Jenkins, K.D. A pulse selection and shortening system for cyclotrons 9—54690
Hendry, G.O. *see* Knight, T.H. 9—54703
Hendry, H.E. *see* Misko, R.M. 9—84254
Hendry, J.A. A mixed local-global variational approach and its application to a discontinuous potential 9—58564
Hendry, J.H., Baarli, J., Bianchi, M., Sullivan, A.H. The effect of a 600 MeV neutron beam on mouse bone marrow 9—96630
Hendy, C.H. *see* Wilson, A.T. 9—62574
Hendy, P., Al-Rawi, K.M., Lee, E.W., Melville, D. Magnetisation and magnetostriction of praseodymium 9—99747
Hendy, P. *see* Abell, J.S. 9—99745
Heng, M.K. *see* Hestenes, J.D. 9—70599
Heng Zhou *see* Zhou Heng
Heng-Qiang Ye *see* Ye Heng-Qiang
Hengehold, R.L. *see* Kim, Q. 9—73193
Hengrasmee, S., Watson, P.R., Frost, D.C., Mitchell, K.A.R. A LEED analysis of the Rh(100)-(2×2)-S surface structure 9—99426
Hengst, J.H.T. *see* Werkhoven, C. 9—99949
Hengstberger, F. A correction for spatial responsivity variations in absolute radiometers 9—97434
Hengstberger, M.M.E. *see* Schilling, J.H. 9—74481
Henig, E.-Th. *see* Gauckler, L.J. 9—66266
Henin, C. *see* Donguy, J.R. 9—79863
Henkart, M.P., Reese, T.S., Brinley, F.J., Jr. Endoplasmic reticulum sequesters calcium in the squid giant axon 9—83733
Henke, B.L., Liesegang, J., Smith, S.D. Soft-X-ray induced secondary-electron emission from semiconductors and insulators: models and measurements 9—74034
Henke, B.L. *see* Perera, R.C.C. 9—85975
Henke, J. *see* Keane, B. 9—62403
Henke, R.P. *see* Kraft, L.M. 9—66489
Henkelman, R.M. *see* Nordin, J.A. 9—83847
Henley, E.M., Miller, G.A. Meson theory of charge-dependent nuclear forces 9—97671
Henley, E.M. *see* Cheung, C.Y. 9—85313
Henmi, Z. *see* Sagawa, M. 9—87593
Hennart, J.P. *see* England, R. 9—49842
Henneberg, D. *see* Damen, H. 9—49329
Henneberger, F., Voigt, J., Gutsche, E. Optical orientation effects in the secondary radiation of excitonic molecules 9—83010
Henneberger, F. *see* May, V. 9—99490
Henneberger, K. *see* May, V. 9—99490
Henneberger, K. *see* Roseler, J. 9—78019
Hennebicq, J.P. *see* Decuyper, J. 9—76106
Henneck, R. *see* Haeberli, W. 9—76251
Hennecke, M., Hofmann, R., Fuhrmann, J. Simulation of contact electrification of polymers by an analogue model 9—51655
Henneker, W.H. *see* Cade, P.E. 9—68268
Hennel, A.M. Piezo-absorption measurements of n-type GaAs 9—87455
Hennel, E. *see* Berecz, I. 9—62382
Hennemuth, B. Statistical description of anisotropic and inhomogeneous turbulence 9—79917
Hennesen, K. *see* Keller, H. 9—60532
Hennessey, P., Vedam, K. Piezo- and thermo-optical properties of $Bi_{12}GeO_{20}$. III. The dispersion theories and models 9—56764
Hennessy, W.P., Grodecki, D.E. User-oriented Fourier optical evaluation techniques 9—86131
Hennicke, H.W., Kienow, E. Organic plasticizers for fine ceramic masses. I. Models of plasticity and measurement of plastic behaviour by a cyclic shear test 9—96080
Hennies, H.H., Jansen, P., Kessler, G. A West German perspective on the need for the plutonium-fueled LMFBR 9—71895
Hennig, H.-P. *see* Steinike, U. 9—64995
Hennig, K. *see* Mucklich, A. 9—87657
Hennig, K. *see* Schreiter, U. 9—91692
Henning, C.B. *see* Lloyd, E.L. 9—66488
Henning, C.D. Beams and superconducting magnets for MFTF 9—49849
Henning, H. *see* Steckelmacher, W. 9—68756
Henning, H.-G. *see* Alder, L. 9—81225
Henning, J. Trends in the development and use of turbomolecular pumps 9—63251
Henning, J. Trends in the development of turbomolecular vacuum pumps 9—67328
Henning, W. *see* Speth, J. 9—85385
Henningsen, J.O., Petersen, J.C., Petersen, F.R., Jennings, D.A., Evenson, K.M. High resolution spectroscopy of vibrationally excited $^{13}CH_3OH$ by frequency measurement of FIR laser emission 9—93998
Hennion, B., Hennion, M., Kajzar, F. Low temperature measurements of the stiffness constant D in disordered Ni:Mn alloys: interpretation within band model (CPA-RPA) 9—51768
Hennion, B., Prevot, B., Krauzman, M., Pick, R.M., Dorner, B. Neutron scattering of the TO phonon in CuCl at 5K 9—60446
Hennion, B. *see* Damien, J.C. 9—51222
Hennion, B. *see* Hennion, M. 9—61088
Hennion, B. *see* Kugel, G.E. 9—51740
Hennion, M., Hennion, B. Stiffness-constant variation in nickel-based alloys: Experiment and theory 9—61088
Hennion, M. *see* Hennion, B. 9—51768
Hennion, P.Y. *see* Alais, P. 9—94388
Henoc, P. *see* Blanconnier, P. 9—51458
Henquin, J.C. Opposite effects of intracellular Ca^{2+} and glucose on K^+ permeability of pancreatic islet cells 9—74615
Henrard, J. A new solution to the main problem of lunar theory 9—75083
Henrichs, P.M. *see* Bailey, D.B. 9—79247
Henrichsen, K.N. *see* Billan, J. 9—72049
Henriksen, A. *see* Johannessen, M. 9—53388
Henriksen, K. Variations of proton energy and pitch angle spectra in the upper atmosphere 9—75032
Henriksen, P.N. *see* Eib, N.K. 9—69375
Henriksen, R.N. *see* Chan, K.L. 9—67117
Henrion, G., Marquardt, D., Reitz, G., Fabian, I. On the flame emission of halogen-carbon compounds 9—52668
Henrion, X., Sauvageot, H., Ramond, D. Finestructure of precipitation and temperature in a stratocumulus cloud 9—88418
Henriot, C. *see* Aknin, J.P. 9—68001
Henry, A., Severin, F., Henry, L. Magnetic moment effect on pressure broadening: lines from the $^2\Pi_{1/2}$ and $^2\Pi_{3/2}$ states of the (1-0) band of NO colliding with N_2 and Ar 9—72391
Henry, C.H., Petroff, P.M., Logan, R.A., Merritt, F.R. Catastrophic damage of $Al_xGa_{1-x}As$ double-heterostructure laser material 9—86178
Henry, E.A. *see* Meyer, R.A. 9—71978
Henry, G.G. *see* Branson, J.G. 9—89211
Henry, G.R. *see* Shir, C.C. 9—56580
Henry, G.W. *see* Lovell, L.P. 9—62823
Henry, H.F. Neutron spectra determination by resonance reactions 9—93837
Henry, H.J.W. Cross sections for inner-shell excitation of C^{3+}, N^{4+} and O^{5+} ions 9—59580
Henry, J., Balikdjian, D., Van Houtte, P., Piron, A. Use of axial computer tomography for the establishment of treatment plans in external radiotherapy 9—66553
Henry, J.A. *see* Marotz, G.A. 9—79955
Henry, J.P. *see* Giacconi, R. 9—70941

Henry, K.R. Differential changes of auditory nerve and brain stem short latency evoked potentials in the laboratory mouse 9—100624
Henry, L. *see* Henry, A. 9—72391
Henry, L. *see* Peyre, H. 9—60388
Henry, M.O., Lightowlers, E.C. Absorption and luminescence transitions involving excited hole states of excitons bound to lithium donors in silicon 9—78038
Henry, R.E., Fauske, H.K. Nucleation processes in large scale vapor explosions 9—81700
Henry, R.E. *see* Jones, B.G. 9—54515
Henry, R.E. *see* Leung, J.C.M. 9—54529
Henry, R.E. *see* Leung, J.-C.M. 9—49732
Henry, R.E. *see* Spencer, B.W. 9—85669, 9—85670, 9—85671
Henry, R.J.W. *see* Bhadra, K. 9—76517
Henry, R.J.W. *see* Callaway, J. 9—68318
Henry, R.L., Tanner, D.B. A lamellar grating interferometer for the far-infrared 9—58774
Henry, R.L. *see* Perkowitz, S. 9—93237
Henry, R.L. *see* Stannard, J. 9—95496
Henry, R.M. *see* Hess, S.L. 9—84716
Henry, R.M. *see* Ryan, J.A. 9—84708
Henry, R.M. *see* Tillman, J.E. 9—84718
Henry, T.D. Acoustic transponder navigation 9—59896
Henry, T.P., Siegmann, E.R. Boiling flow regimes for carbide fuel and steel 9—85617
Henry, T.P., Siegmann, E.R., Kennedy, M.F. Analysis of in-pile MFCI experiments with carbide fuel 9—49754
Henry, T.P., Siegmonn, E.R. Transient fission gas release effects on carbide fuel failure dynamics 9—49762
Henry, W.P. *see* Cassidy, J.J. 9—70819
Hensberge, H., van Rensbergen, W., Goossens, M., Deridder, G. On the orientation of magnetic and rotation axes in Ap stars. II. Results 9—67013
Hensberge, H. *see* Deridder, G. 9—101154
Hensel, F. Electrical properties of unusual ionic melts 9—99338
Hensel, F. *see* Edeling, M. 9—91050
Hensel, F. *see* Popielawski, J. 9—72985
Hensel, J.C. The range of energetic Auger electrons in the electron-hole liquid in Ge 9—90970
Hensel, J.C., Dynes, R.C. Observation of singular behavior in the focusing of ballistic phonons in Ge 9—99277
Hensel, P. What are we going to measure, how, where and when? A present view of the likely requirements for optical fibre test gear in the BPO 9—64349
Hensen, T.H., Moeller, C.P., Freeman, R.L. Circuit related instability of a plasma discharge 9—73056
Henshall, G.D. *see* Thrush, E.J. 9—50293
Henshall, J.L., Rowcliffe, D.J., Edington, J.W. K_k and delayed fracture measurements on hot-pressed SiC 9—61701
Henshaw, P.C., Jr., Merrill, R.T. Characteristics of drying remanent magnetization in sediments 9—66681
Henshaw, P.D. *see* Sanchez, A. 9—86251
Hensler, G. The oblique-rotator model of HR 7129 9—62838
Hensley, D.C. The Event Handler II. A fast, programmable, CAMAC-coupled data acquisition interface 9—89542
Hensley, D.C. *see* Baker, F.T. 9—63689, 9—97721
Hensley, D.C. *see* Cleary, T.P. 9—54404
Hensley, D.C. *see* Fulmer, C.B. 9—93657
Hensley, D.C. *see* Milner, W.T. 9—93900
Hensley, D.C. *see* Stokstad, R.G. 9—93656
Henson, B.L. Ions in water vapour: liquid droplet model failure 9—60097
Henson, B.L., Wilkens, L.A. A mathematical model for the motion of mechanoreceptor hairs in fluid environments 9—88092
Henstock, W.H., Hanratty, T.J. Gas absorption by a liquid layer flowing on the wall of a pipe 9—94696
Hentry, L. *see* Seoudi, B. 9—59539
Hentschel, G. *see* Becker, H. 9—54363, 9—63533
Hentschel, H.G.E. The ferroelectric transition in hexagonal ice I_h 9—91386
Hepburn, J.D., Shubaly, M.R. Future development of high-current DC injectors for accelerator-based breeding systems 9—93846
Hepfer, K.C. *see* Katz, B.S. 9—58094
Hepler, L.G. *see* Cerutti, P.J. 9—70359
Hepler, L.G. *see* Spitzer, J.J. 9—65208
Hepp, V. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Hepp, V. *see* Groot, J.G.H. 9—93395
Hepp, W. *see* Petrowicz, O. 9—100698
Heppke, G. *see* Gobl-Wunsch, A. 9—60277, 9—91405
Hepworth, A. *see* Bahadur, H. 9—56733
Herak, J.N. *see* Rakvin, B. 9—57592
Herald, D. Comet Bradfield (1979c) 9—70999
Herald, D., Candy, M.P. Comet Bradfield (1979c) 9—75159
Heras C. de las *see* C. de las Heras
Herb, S.W. *see* Jostlein, H. 9—89310
Herba, H. *see* Drzymala, A. 9—77791
Herber, R.H., Katada, M. Lattice dynamics and hyperfine interactions of the intercalation compounds: NbS_2.Sn and $NbS_2.Sn_{1/3}$ 9—61273
Herberg, H., Abart, J., Voitlander, J. Nuclear magnetic resonance in solid zinc 9—91315
Herbert, F. A theoretical model to describe the motion of aerosol particles due to the combined action of inertia, Brownian diffusion and phoretic and electric forces 9—53460
Herbert, M.R. *see* Butterfield, M.H. 9—89468
Herbig, G. *see* Cudworth, K.M. 9—71022
Herbin, J.P. *see* Robert, C. 9—84220
Herbland, A. *see* Voituriez, B. 9—84283
Herbolzheimer, E. *see* Acrivos, A. 9—70382
Herbst, E. A statistical theory of three-body ion-molecule reactions 9—57204
Herbst, G., Kronmuller, H. Magnetic aftereffect of hydrogen and deuterium in Co_5Sm 9—56573
Herbst, J.F., Tracy, J.C. On estimating remanent magnetization from X-ray pole figure data 9—91252
Herbst, P., Huber, J. Orientation of recrystallization nuclei in a deformed AlMgSi1-alloy 9—91681
Herbstein, F.H., Kapon, M. The crystal structures of trimesic acid, its hydrates and complexes. V. L-(or DL-)histidinium trimesate-$^1/_3$ acetone 9—77586
Herbut, F. *see* Bozovic, I.B. 9—55010
Herbut, F. *see* Dzambazovski, M. 9—55011
Herczeg, T.J. *see* Barker, L.A. 9—67065
Herczfeld, P.R., Fischl, R., Orbach, A. Optimizing solar energy systems using continuous flow control 9—62127
Herczfeld, P.R., Fisher, M.J. Utilization of noise theory and measurements in modelling electronic processes and transport phenomena in photoconductors 9—56264
Herd, D.G. *see* Brabb, E.E. 9—88273
Herd, Q.C. *see* Alford, N.A. 9—92043
Herd, R.K. *see* Fyson, W.K. 9—57922
Herd, S.R. On the nature of perpendicular anisotropy in sputtered GdCo thin films 9—73707
Herd, S.R., Ahn, K.Y. Magnetic domain structures in multilayered NiFe films 9—82847
Herder, L. *see* De Clercq, C. 9—89188
Heremans, J., Boxus, J., Issi, J.-P. Evidence for superconductive microsegregations in tin-doped bismuth 9—69646
Heremans, J., Hansen, O.P. Influence of non-parabolicity on intravalley electron-phonon scattering; the case of bismuth 9—99539
Heremans, K. *see* Ceuterick, F. 9—53058
Herger, P. *see* Euler, K.-J. 9—51538
Hericy, J.Le *see* Le Hericy, J.
Hering, W. *see* Puchta, H. 9—93650
Herino, R. *see* Gaspard, F. 9—90811
Herion, J. Chemical origin of the space-charge layer in cuprous oxide front-wall solar cells 9—70449
Heritage, J.P. Vibrational dephasing measurements with CW mode-locked dye lasers 9—65846
Heritier, B., Jonas, J.J. High temperature deformation of oxidized β-Zr-Mo alloys 9—79045
Heritier, B. *see* Jonas, J.J. 9—78993
Heritier, M. Antiferromagnetic indirect exchange in ^{3}He adsorbed layers 9—99389
Heritier, M., Lederer, P. Spin polarons in two-dimensional quantum crystals of fermions: application to ^{3}He in confined geometries 9—51368
Heritier, M., Lederer, P. Contribution of vacancy magnetic polarons to the specific heat of solid BCC ^{3}He 9—56032
Heritier, M., Montambaux, G., Lederer, P. Solidons and rotons in liquid helium 9—95228
Heritier, M. *see* Montambaux, G. 9—95244
Herko, S.P. *see* Fitzpatrick, B.J. 9—69881
Herkstroeter, W.G. *see* Grodowski, M. 9—85972
Herlach, D., Decker, W., Gladisch, M., Mansel, W., Metz, H., Orth, H., zu Putiltz, G., Seeger, A., Wahl, W., Wigand, M. The study of defects with positive muons in neutron-irradiated single crystals of Al and Nb 9—56701
Herlach, D. *see* Gladisch, M. 9—56446
Herlach, D. *see* Metz, H. 9—56693
Herlach, F. Strong and ultrastrong pulsed magnetic fields 9—71494
Herlemont, F., Lyszyk, M., Lemaire, J. Infrared spectroscopy of OCS, SO_2, O_3 with a CO_2 waveguide laser 9—98088
Herlemont, F., Lyszyk, M., Lemaire, J., Lambeau, C., Fyat, A. Laser spectroscopy of ethylene with waveguide CO_2 and N_2O lasers 9—59455
Herley, P.J. *see* Lauher, J.W. 9—69081
Herley, P.J. *see* Wang, F.F.Y. 9—73961
Herlihy, D.M. Wyoming state regulations and environmental monitoring for in situ uranium mining 9—88510
Herm, R.R. *see* Freedman, A. 9—74361
Herman, B.J. *see* Clover, M.R. 9—80910
Herman, B.M. *see* King, M.D. 9—80020, 9—88438
Herman, G.T. The mathematics of wobbling a ring of positron annihilation detectors 9—63867
Herman, G.T., Hsi-Ping Lung Reconstruction from divergent beams: a comparison of algorithms with and without rebinning 9—83932
Herman, G.T., Rowland, S.W., Mann-may Yau A comparative study of the use of linear and modified cubic spline interpolation for image reconstruction 9—66545
Herman, G.T., Rowland, S.W., Mann-may Yau A comparative study of the use of linear and modified cubic spline interpolation for image reconstruction 9—83929
Herman, H., Prewer, B.E. New FIR laser lines from optically pumped methanol analogues 9—72553
Herman, H. *see* Jantzen, C.M. 9—77724
Herman, H. *see* Prasad, S.K. 9—100151
Herman, H. *see* Safai, S. 9—82500
Herman, H. *see* Wang, F.F.Y. 9—73961
Herman, I.P., Marling, J.B. IR photolysis of CDF_3: A study in kinetics of multiple-photon dissociation with applications to deuterium separation 9—79276
Herman, I.P., Marling, J.B. Vibrationally stimulated addition reactions between hydrogen halides and unsaturated hydrocarbons: a negative result 9—91928
Herman, I.P. *see* Marling, J.B. 9—64112
Herman, J.A. Variation of the chemical effect of triboelectric discharge with the rolling speed of mercury on glass 9—77438
Herman, J.R. The response of stratospheric constituents to a solar eclipse, sunrise, and sunset 9—100907
Herman, J.R. *see* Rohrbaugh, R.P. 9—96945
Herman, M. *see* Colin, R. 9—72332
Herman, M. *see* Dale, R.M. 9—64207
Herman, M.H., Tsong, T.T. Photon excited field emission from a semiconductor surface 9—78851
Herman, R.M. Analysis of the $R_1(J)$- and $P_1(J)$-branch absorption spectrum of HD-rare-gas mixtures: an example of positive intercollisional interference 9—54843
Herman, R.M., Serinko, R.J. Nonlinear-optical processes in nematic liquid crystals near Freedericks transitions 9—69011
Hermance, C.E. *see* Aly, S.L. 9—94738
Hermance, J.F. The electrical conductivity of materials containing partial melt: a simple model from Archie's law 9—100810
Hermance, J.F. *see* Thayer, R.E. 9—92484
Hermann, C. *see* Nakamura, A. 9—65770
Hermann, F.E., Culkin, F. The preparation and chlorinity calibration of Standard Seawater 9—74898
Hermann, G. *see* Kino, G.S. 9—77033
Hermann, H. *see* Burmeister, H.-J. 9—90655
Hermann, J.P. *see* Wynne, J.J. 9—59417
Hermann, K., Kobe, S. Thermodynamical behaviour of finite amorphous Ising chains 9—61028
Hermann, K. *see* Batra, I. 9—95463
Hermann, K. *see* Horn, K. 9—77916
Hermann, R.B., Shiang-Ho Cheng, Nuttli, O.W. Archeoseismology applied to the New Madrid earthquakes of 1811 to 1812 9—84130
Hermann, W., Horster, H., Kersten, R., Mahdjuri, F. High efficiency solar collectors 9—62051
Hermann, W. *see* Bruno, R. 9—57461, 9—61951
Hermann-Ronzaud, D. *see* Wagner, V. 9—51766
Hermans, F., Ho, J.C., Boyer, J., Phillips, N.E. Density of electronic states in FCC Tl-Pb-Bi alloys 9—56383
Hermans, L.J.F., Eggermont, G.E.J., Hermans, P.W., Beenakker, J.J.M. Visco-magnetic heat flux: an experimental study in the Burnett regime 9—98844
Hermans, P.W. *see* Hermans, L.J.F. 9—98844
Hermans, W.C., Oberski, J.E.J., Van Dantzig, R., Koerts, L.A.C., Mulder, K., Verhaar, B.J. Measurement of a 4π angular pattern for α-decay of ^{12}C excited by inelastic deuteron scattering 9—67720
Hermanson, J. *see* Heimann, P. 9—78840
Hermanson, J. *see* Heinmann, P. 9—91121
Hermes, E. *see* Engfer, R. 9—85497
Hermina, W. *see* Gelfand, J. 9—94033
Herminghaus, H., Euteneuer, H. Beam blowup in race track microtrons 9—76217
Hermon, E. *see* Atzmony, U. 9—99707
Hernandez, A. *see* Millan, P.E. 9—83945
Hernandez, C.A., Sahade, J. The spectroscopic orbit of V346 Centauri 9—58378
Hernandez, C.A., Sahade, J., Sistero, R. ε Coronae Austrinae 9—71069
Hernandez, E., Best, G., Mayer, E. On the determination of the optimum site in Mexico for an international Solar Energy Experimental Center 9—57380
Hernandez, E. *see* Herrera, R. 9—62082
Hernandez, G., Roble, R.G. On divergences of thermospheric meridional winds at midlatitudes 9—70901
Hernandez, J., Cory, W.K., Rubio O., J. A non-destructive method for determining the Eu^{2+} concentration in the alkali chlorides 9—51137
Hernandez, J.P. Density of states in disordered one-dimensional systems 9—58640
Hernandez, R. *see* Montilla, J. 9—85117
Hernando, A. Magnetization process in twisted uniaxial polycrystals 9—91254

Hernando, A., Vazquez, M., Madurga, V. Structure of domains in cubic ferromagnetic polycrystals under torsion 9—91246
Hernyes, I. *see* Albrecht, D. 9—75985
Herold, A. *see* Billaud, D. 9—52633, 9—91601
Herold, A. *see* Christiany, L. 9—65305
Herold, H. Compton and Thomson scattering in strong magnetic fields 9—67530
Herold, H., Reinecke, M., Ruder, H. Microscopic theory of nuclear collective rotation. III. Test of the SDHFB and the HFBP method in an exactly solvable realistic model 9—67619
Herold, H. *see* Wunner, G. 9—75820, 9—88578
Heron, G. *see* Charman, W.N. 9—53134
Heron, M.L. Late evening enhancements of scintillation at low latitudes 9—75031
Heron, R.A. *see* Crook, A. 9—50548, 9—79433
Herr, A. *see* Besnus, M.J. 9—51817
Herr, H. *see* Bell, M. 9—93413
Herr, H. *see* Cline, D. 9—72090
Herr, K.C. *see* Grimmer, D.P. 9—83574
Herr, R.B. Solar rotation determined from Thomas Harriot's sunspot observations of 1611 to 1613 9—75182
Herr, W. *see* Drijard, D. 9—89150
Herr, W. *see* Englert, P. 9—53776
Herr, W. *see* Michel, R. 9—67749
Herran, C. *see* Arqueros, F. 9—98230
Herranz, A. *see* Arenas, A. 9—59906
Herrell, D.J. Superconductive electronics—the Josephson computer [and refrigeration requirements] 9—58726
Herrera, G.G. *see* Fujita, T. 9—52908
Herrera, I. Theory of connectivity: a systematic formulation of boundary element methods 9—63035
Herrera, I. *see* Sabina, F.J. 9—88306
Herrera, J. *see* Aggus, J. 9—76199
Herrera, J.C., Month, M. High frequency bunches for proton-proton storage accelerators 9—72112
Herrera, L. *see* Gonzalez, C. 9—63107
Herrera, R., Alvarez, I.S., Hernandez, E. Anticonvective antiradiative systems 9—62082
Herrero, M.R.Martinez *see* Martinez Herrero, M.R.
Herriau, J.P. *see* Huignard, J.P. 9—72540, 9—86142
Herrick, R. *see* Reichert, J.F. 9—60582
Herrin, C.B. *see* Higgins, S.B. 9—70677
Herrin, E. *see* Goforth, T. 9—92602
Herring, J.R., Kraichnan, R.H. A numerical comparison of velocity-based and strain-based Lagrangian-history turbulence approximations 9—59969
Herring, J.R. *see* Newman, G.R. 9—94596
Herrmann, A., Hofmann, M., Leutwyler, S., Schumacher, E., Woste, L. Optical spectroscopy of Na_3 by two-photon ionization in a supersonic molecular beam 9—50031
Herrmann, A., Leutwyler, S., Woste, L., Schumacher, E. Molecular spectroscopy by photodeflection of Na_2 in a supersonic nozzle beam 9—54995
Herrmann, B. *see* Korting, H.J. 9—53290
Herrmann, F. *see* Fodor, I. 9—85430
Herrmann, G. Superheavy-element research 9—89218
Herrmann, G. *see* Delph, T.J. 9—64574
Herrmann, H., Klier, M., Reis, S., Werner, C. Portable LIDAR for antipollution problems 9—74583
Herrmann, J., Landmann, M. Coherent anti-Stokes resonance Raman scattering of excited molecules 9—59475
Herrmann, K.-H., Krahl, D., Rust, H.-P. A TV system for image recording and processing in conventional transmission electron microscopy 9—58851
Herrmann, R. *see* Gutschie, B. 9—87920
Herrmann, R. *see* Kruger, H. 9—77991
Herrmann, R. *see* Stegmann, R. 9—60687, 9—82517
Herrmann, R.B. SH-wave generation by dislocation sources. A numerical study 9—92485
Herrmann, U., Fendler, J.H. Low angle laser light scattering and photon correlation spectroscopy in surfactant vesicles 9—79484
Herrmann, U. *see* Swider, W. 9—96854
Herrmann, W. *see* Andelfinger, C. 9—76162
Herrmann, W. *see* List, U. 9—86162
Herrmann, W. *see* Polke, R. 9—100443
Herrmann, W. *see* Puerta, J. 9—89894
Herrmannsfeldt, W. *see* Abbott, S. 9—76229
Herrmannsfeldt, W.B., Kells, W., McIntyre, P.M., Mills, F., Misek, J., Oleksiuk, L. The electron beam for the fermilab electron cooling experiment 9—72138
Herrmannsfeldt, W.B. *see* Boyd, D.P. 9—66521
Herron, J. *see* Galin, D. 9—83809
Herron, L.W., Bergeron, C.G. Heat-flow-controlled growth during $Li_2B_4O_7$ crystallization 9—65014
Herron, M.M. *see* Koide, M. 9—88027
Herrstrom, N.-Y. *see* Behnetz, S. 9—54754
Herrstrom, N.-Y. *see* Bjarle, C. 9—80155
Hersant, T. *see* Begou, Ph. 9—70074
Hersch, J. On a potential problem with mixed boundary conditions: a conjecture of A. Acker and a demonstration using one dimensional auxiliary problems 9—98600
Herschbach, M. *see* Brautigam, W. 9—54711
Herschkowitz-Kaufman, M., Nicolis, G., Nazarea, A. Influence of gravity on pattern formation in nonequilibrium systems 9—70302
Hersey, J.A. *see* Yeung, C.C. 9—61530
Hershcovitch, A., Politzer, P.A. Analysis of the stabilization of the drift-cone mode by the injection of RF power 9—90399
Hershey, E.A., III *see* Teichroew, D. 9—89580
Hershkowitz, N., Glanz, J., Lonngren, K.E. Spherical ion-acoustic solitons 9—64863
Hershkowitz, N., Smith, J.R., DeKock, J.R. Spatial plasma potential variations in a multi-dipole device 9—90378
Hershkowitz, N. *see* Coakley, P. 9—68931
Hershkowitz, N. *see* Lonngren, K.E. 9—77350
Hershkowitz, N. *see* Ze, F. 9—77373, 9—90461
Hershyn, W. *see* Knodle, W.S., III. 9—54239
Herskind, B. *see* Hillis, D.L. 9—89320
Herstad, K. *see* Nyberg, B.R. 9—97367
Herszberg, B. *see* Behar, J. 9—63330
Hertel, B. Electron microscopy contrast of small defect clusters in ion-irradiated copper 9—99253
Hertel, I.V., Hofmann, H., Rost, K.A. Crossed beam (E-VRT) energy transfer experiment 9—89750
Hertel, L. *see* Kirlin, R.L. 9—94418
Hertel, N. *see* Andersen, S.K. 9—97482
Hertel, N.E., Wehring, B.W. Photoneutron and ^{252}Cf neutron dose comparisons for radiotherapy shielding 9—59273
Herten, G. *see* Barber, D.P. 9—89175, 9—97631
Hertenberger, G., Zeidl, H. Analytical approximate calculation for electron impact ionization generated ion charge state densities 9—82075
Herter, T., Lacasse, M.G., Wesemael, F., Winget, D.E. Theoretical photometric and spectroscopic properties of stellar accretion disks with application to cataclysmic variables 9—80312
Hertz, H.G. *see* Friedman, H.L. 9—69713
Hertz, J. *see* Lefebvre, G. 9—61867
Hertz, J. *see* Notin, M. 9—61868
Hertz, J.A. The Stoner glass 9—78424
Hertz, J.A., Klemm, R.A. Renormalisation group approach to the critical dynamics of a Heisenberg spin glass 9—91237
Hertz, J.A., Klemm, R.A. Dynamics near the spin-glass transition 9—95599
Hertz-Lazarowitz, R. *see* Sharan, S. 9—80388
Hertzbach, S.S. *see* Shupe, M.A. 9—63485
Hertzberg, M. *see* Litton, C.D. 9—75672
Hertzberg, R.W., Skibo, M.D., Manson, J.A., Donald, J.K. Comments on 'A model of fatigue crack growth in polymers' 9—70160
Hertzman, S. *see* Bhalla, K.B. 9—49636
Herve, C. *see* Aknin, J.P. 9—68001
Hervet, H., Leger, L., Rondelez, F. Self-diffusion in polymer solutions: a test for scaling and reptation 9—77789
Hervieu, M., Germain, P., Desgardin, G., Raveau, B. Non-stoichiometric titanates $A_{2-2_x}Ba_{3_x}Ti_{6-x}O_{13}$ with a tunnel structure 9—65049
Hervieu, M., Raveau, B. The $(Ca_{1-x}Sr_x)(Ca_{1/3}Nb_{2/3})O_3$ perovskites 9—65044
Hervieu, M., Raveau, B. A perovskite of type $(NH_4)_3FeF_6$: the oxide $Sr(Ca_{1/3-x}Sr_xNb_{2/3})O_3$ 9—99161
Herwig, L.O. The accomplishments of the United States Federal solar energy program 9—57370
Hery, M. *see* Decuyper, J. 9—76106
Hery, Y., Damien, D., Charvillat, J.P. Protactinium antimonides: $PaSb_2$ and Pa_3Sb_4 9—65641
Herynek, I. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Herz, H., Conrad, H., Kuppers, J. Thermocouple-controlled temperature programmer for flash desorption spectroscopy 9—49224
Herz, H. *see* Christmann, K. 9—88982
Herz, R., Kronmuller, H. The parasusceptibility of dysprosium 9—95583
Herz, W., Lehmann, W. Cryogenic system for the Karlsruhe superconducting proton-linac 9—58707
Herz, W. *see* Citron, A. 9—72006
Herzberg, C.T. *see* Aldridge, L.P. 9—65771
Herzberg, C.T. *see* Fleet, M.E. 9—65183
Herzberg, G. A spectrum of triatomic hydrogen 9—68239
Herzech, P.H. *see* Houze, R.A., Jr. 9—88437
Herzenberg, A. *see* Dube, L. 9—89798
Herzenberg, C.L. *see* Duffey, D. 9—96401
Herzer, R. *see* Hyndman, R.D. 9—92518
Herzig, C., Eckseler, H. On the anomalous self-diffusion in β-zirconium: temperature dependence of the isotope effect 9—86918
Herzig, P., Neckel, A. A new multipole expansion method for the calculation of the electrostatic part of lattice energies. Application to $NaBr.2H_2O$ 9—99107
Herzig, P. *see* Schwarz, K. 9—78002, 9—99112
Herziger, G., Krompholz, H., Schneider, W., Schonbach, K. A steady-state fluid model of the coaxial plasma gun 9—60201
Herzlinger, M. *see* Dixon, R. 9—89169
Herzog, G.F., Gibson, E.K., Jr., Lipschutz, M.E. Thermal metamorphism of primitive meteorites. VIII. Noble gases, carbon and sulfur in Allende (C3) meteorite heated at 400-1000°C 9—92732
Herzog, G.F. *see* Reedy, R.C. 9—96874
Herzog-Cance, M.H., Potier, J., Potier, A. NMR study of the movement and geometry of the oxonium ion in crystalline salts 9—56616
Herzog-Cance, M.H., Potier, J., Potier, A., Beny, J.M., Sombret, B., Wallart, F. Fast Raman and wide line NMR study of devitrification crystallisation of the complex glass $HNO_3.H_2O$ 9—73915
Hese, A. *see* Dohnt, G. 9—94040
Hesketh, R.V. Electromigration: The electron wind 9—69277
Heslenfeld, M.W. *see* Vroom, J.P. 9—97784
Heslot, A. *see* Avez, A. 9—71223
Hesp, R. *see* Smith, T. 9—96648
Hess, A. *see* Zywietz, F. 9—66490
Hess, B.A., Jr., Schaad, L.J. On the relation between π-binding energy and bond orders 9—76346
Hess, C. Ergodic theorem and strong law of large numbers for uncertain ensembles 9—58618
Hess, D.C. *see* Kaminsky, M. 9—49880
Hess, D.W., Rowan, R.G. Spin-echo envelope modulation study of $LaF_3:Nd^{3+}$ 9—61212
Hess, H., Krautz, E. Photoconductivity of sintered zinc silicates 9—51627
Hess, H. *see* Kiehne, H.A. 9—96432
Hess, K., Vogl, P. Remote polar scattering in silicon inversion layers 9—73597
Hess, L.D., Roth, J.A., Anderson, C.L., Dunlap, H.L. Laser-annealing behavior of deposited and implant-produced amorphous Si layers on Si substrates 9—69373
Hess, L.D. *see* Anderson, C.L. 9—69139
Hess, L.D. *see* Eckhardt, G. 9—73584
Hess, P. *see* Mashni, M. 9—98537
Hess, R. *see* Besset, D. 9—63503, 9—67593
Hess, R.F., Jacobs, R.J., Vingrys, A. Central versus peripheral vision: evaluation of the residual function resulting from a uniocular macular scotoma 9—83777
Hess, S.L. Static stability and thermal wind in an atmosphere of variable composition: applications to Mars 9—84720
Hess, S.L., Henry, R.M., Tillman, J.E. The seasonal variation of atmospheric pressure on Mars as affected by the south polar cap 9—84716
Hess, S.L. *see* Tillman, J.E. 9—84718
Hess, W.J. Time-domain pitch period extraction of speech signals using three nonlinear digital filters 9—64429
Hess, W.M., Allen, J.V. The practice and use of stereo pair photography in TEM. Examples of interpretation of freeze etch replicas 9—49345
Hess, W.M. *see* Gessler, A.M. 9—83171
Hesse, H.-J. *see* Hauschildt, D. 9—51626
Hesse, J., Wiechmann, B., Muller, J.B. Mossbauer study of γ Fe-Ni alloys 9—56640
Hesse, J. *see* Wilkening, G. 9—51873
Hesse, J.F., Compaan, A. Resonance Raman studies of annealing in He-, Na-, Cd-implanted cuprous oxide 9—55765
Hessel, M.M., Vidal, C.R. The $B^1\Pi_g$-$X^1\Sigma_g^+$ band system of the $^7Li_2$ molecule 9—68256
Hesselink, W. *see* Engfer, R. 9—85497
Hesselink, W.H., Wiersma, D.A. Picosecond dephasing and relaxation in vibronic states of molecules in the condensed phase 9—95807
Hesselink, W.H. *see* Morsink, J.B.W. 9—76460
Hesser, J.E., Nemec, J.M. Spectra of the suspected two-hour variable UV-bright star in the X-ray globular cluster NGC 7078 (M15) 9—88681
Hessler, J.P. *see* Carnall, W.T. 9—50085
Hesstvedt, E., Hov, O., Isaksen, I.S.A. Photochemistry of mixtures of hydrocarbons and nitrogen oxides in air 9—53427
Hesstvedt, E. *see* Hov, O. 9—74568
Hestenes, D. Spin and uncertainty in the interpretation of quantum mechanics 9—58481
Hestenes, J.D., Heng, M.K., Ledbetter, D.C., Wyatt, H.L., Meerbaum, S., Corday, E. Quantification of circumferential segmental shortening motions from ultrasound sector scanner images in dogs after induced ischemia 9—70599
Hester, R.E., Bubp, D.G., Clark, J.C., Chesterman, A.W., Cook, E.G., Dexter, W.L., Fessenden, T.J., Reginato, L.L., Yokota, T.T., Faltens, A.A. The experimental test accelerator (ETA) 9—76157
Hetherington, A. *see* Barnes, J.C. 9—51081
Hetherington, J.H. Magnetic BCC ^3He: A call for more accurate measurements of specific heat and susceptibility in solid ^3He 9—69318
Hetrick, R.E. *see* Logothetis, E.M. 9—91068
Hettiarachchi, S. *see* Devanathan, M.A.V. 9—95955
Hettinger, H. *see* Hage, W. 9—85569
Hettwer, K.J. The critical cooling rate at which quench ageing just does not yet occur—discussion and experiments on two plain carbon steels 9—52244
Hetz, A. *see* Gresteau, F. 9—89616
Hetzer, D.C. *see* Cline, J.E. 9—71929
Heuberger, A. *see* Betz, H. 9—88965

Heubes, P., Keppner, W., Schatz, G. Quadrupole interaction at ^{111}Cd nuclei in single-crystalline thallium 9—56629

Heubner, U., Ueberschaer, A. Oxidation and drossing of lead antimony alloys 9—74313

Heuck, F. *see* Wolschendorf, K. 9—53214

Heuer, A.H. Application of transmission electron microscopy to engineering practice in ceramics: introduction, fundamentals, and application to precipitation phenomena 9—87637

Heuer, A.H. The role of MgO in the sintering of alumina 9—91608

Heuer, A.H. *see* Ogbuji, L.U. 9—100093

Heuer, A.H. *see* Porter, D.L. 9—91710, 9—91775

Heugten, W.F.W.M.van *see* van Heugten, W.F.W.M.

Heugten, W.F.W.M.Van *see* Van Heugten, W.F.W.M.

Heuklon, T.K.Van *see* Van Heuklon, T.K.

Heumann, H. *see* Riede, V. 9—82974

Heumann, H. *see* Stockel, P. 9—53038

Heumann, T. Diffusion, correlation effects and jump frequency ratios in binary substitutional solid solutions 9—99350

Heumann, T., Dermann, K. On the existence of a transverse pressure in capillaries filled with liquid. I 9—82418

Heumann, T., Dermann, K. On the existence of a transverse pressure in capillaries filled with liquid. II 9—86964

Heung Sik Kim, Dong Nyung Lee Relief of residual quenching stresses in 2024 aluminum alloy 9—70091

Heusch, B. *see* Freeman, R.M. 9—93492

Heusch, B. *see* Kolata, J.J. 9—67808

Heusch, C.A. *see* del Papa, C. 9—49528

Heusden, E.van *see* van Heusden, E.

Heusden, G.C.L.van *see* van Heusden, G.C.L.

Heuser, G. Secondary effects in cone and plate viscometers 9—62281

Heusler, K.E. *see* Allgaier, W. 9—74103

Heusse, P. *see* Armenise, N. 9—67536, 9—93397, 9—93398

Heusser, L.E., Shackleton, N.J. Direct marine-continental correlation: 150000-year oxygen isotope-pollen record from the North Pacific 9—80008

Heuvel, E.P.J.van den *see* van den Heuvel, E.P.J.

Heuvel, G.P.M.Van Den *see* Van Den Heuvel, G.P.M.

Heuvell, H.B.van Linden van den *see* van Linden van den Heuvell, H.B.

Hewat, A.W., Riekel, C. The crystal structure of deuteroammonia between 2 and 180K by neutron powder profile refinement 9—73134

Hewat, A.W. *see* Adams, J.M. 9—90602

Hewat, A.W. *see* Ahtee, M. 9—73136

Hewat, A.W. *see* Lucas, B.W. 9—60314

Hewett, L.D. *see* Clark, A.F. 9—62077

Hewig, G.H. *see* Schock, H.-W. 9—61994

Hewish, T.R. The effects of induced motion on low-stress mobility measurements in liquid dielectrics subjected to charge injection 9—91063

Hewitt, E., Raman, K. A solar energy system with a dual-source heat pump and long-term storage 9—57453

Hewitt, J. *see* Ottensmeyer, F.P. 9—92453

Hewitt, R.C. *see* Citrin, P.H. 9—82446

Hewitt, W.M. *see* Collins, J.T. 9—54569

Hewson, A.C. Intermediate valency 9—91001

Hewson, A.C., Newns, D.M. Polaronic effects in mixed and intermediate-valence compounds 9—60732

Hewson, E.W. *see* Baker, R.W. 9—83549

Hewson, P.W., Jaunich, S., Moreton, M.H. An accurate direct reading accelerometer 9—58506

Hexter, R.M. Enhanced Raman intensity of molecules absorbed on metal surfaces. Experiments and theory 9—95766

Hey, A.J.G., Mandula, J.E. Charge confinement by classical instabilities 9—58933

Hey, M.H. Goniometry from photographs or angle-true sketches 9—55619

Hey, M.J. *see* Attiga, S.A. 9—87830

Hey, R.D. Dynamic process-response model of river channel development 9—74909

Hey, R.D. *see* Thorne, C.R. 9—79888

Hey, R.W. Horizontal Quaternary shorelines of the Mediterranean 9—66676

Heyde, K. *see* Lien, J.R. 9—85353

Heyde, K. *see* Waroquier, M. 9—54395, 9—63601

Heydegger, H.R., Foster, J.J., Compston, W. Evidence of a new isotopic anomaly from titanium isotopic ratios in meteoric materials [sic] 9—53716

Heydenreich, J., Blumtritt, H., Gleichmann, R., Johansen, H. High voltage electron microscopy and scanning electron microscopy (EBIC mode) of the same dislocation 9—82217

Heyder, J., Gebhart, J. Optimization of response functions of light scattering instruments for size evaluation of aerosol particles 9—50214

Heyduck, H.-J., Ruckdeschel, W. Licensing of fuel element factories under the [German] Atomic Energy Act 9—89469

Heyer, F. *see* Reichelt, A. 9—72701

Heyer, H. *see* Franke, W. 9—52455

Heyland, D. *see* Brandelik, R. 9—63491, 9—93441

Heyland, G.R. *see* Griffith, T.C. 9—86065

Heylen, A.E.D. *see* Watts, M.P. 9—55592

Heyman, S.J. *see* Zahalak, G.I. 9—96594

Heymann, D. Solar gases in meteorites: the origin of chondrites and C1 carbonaceous chondrites 9—71008

Heymans, P. *see* Baribaud, G. 9—72209

Heymsfield, A.J., Dye, J.E., Biter, C.J. Overestimates of entrainment from wetting of aircraft temperature sensors in cloud 9—53483

Heymsfield, A.J., Johnson, P.N., Dye, J.E. Observations of moist adiabatic ascent in northeast Colorado cumulus congestus clouds 9—53456

Heymsfield, A.J., Parrish, J.L. A computational technique for increasing the effective sampling volume of the PMS two-dimensional particle size spectrometer 9—70863

Heyn, A.N.J. Confirmation and complementation of the conclusions from small-angle X-ray scattering of cellulose by direct electron-microscope observations 9—86717

Heyraud, J.C. *see* Metois, J.J. 9—90868

Heysmond, E. *see* Holland, G.N. 9—54162

Heywang, W. Physical properties and importance of III-V compounds 9—56127

Hezel, R. High temperature annealing of MNOS devices and its effect on Si-nitride stress, interface charge density and memory properties 9—87158

Hezel, R. Electron-beam-induced-current investigations on MOS and MNOS devices 9—99630

Hezel, R., Lieske, N. Characterization of amorphous silicon oxide and silicon nitride films by Auger electron spectroscopy and low energy electron spectroscopy 9—90905

Hezel, R. *see* Lieske, N. 9—60891

Hguyen Huu Duc Palaeomagnetic study of red sediments of Permian age from the Mehadia Basin (Banat, Rumania) 9—57855

Hi Hong Chang *see* Hong Chang Hi

Hiah Abd el Haleem Ain el *see* Ain el Hiah Abd el Haleem

Hiap Ong Tiong *see* Tiong Hiap Ong

Hibbert, D.B., Robertson, A.J.B. The emission of electrons into gases from thin tungsten wires subjected to strong electric fields 9—83108

Hibbert, J.H. *see* Tomlinson, G.R. 9—94535

Hibbett, E.R. *see* Ball, A.P. 9—100936

Hibbitt, H.D. Some follower forces and load stiffness 9—64493

Hibbs, M. *see* Baltay, C. 9—75770

Hibbs, R.D., Jones, F.W. Electromagnetic induction in three dimensional structures for various source fields 9—66609

Hibino, M., Sugiyama, S., Hanai, T., Maruse, S. Characteristics of the foil lens for the correction of the spherical aberration of the strongly excited magnetic lens 9—71567

Hibler, W.D., III, Johnsen, S.J. The 20-yr cycle in Greenland ice core records 9—88470

Hibou, F. *see* Aslanides, E. 9—85481

Hichwa, R.D., Nickles, R.J. The tuned pipeline—a link between small accelerators and nuclear medical needs 9—53239

Hickernell, F.S., Davis, R.L., Richard, F.V. The acousto-optic properties of thin-film Si_3N_4, Ta_2O_5, ZnO and 7059 glass on oxidized silicon substrates 9—55251

Hickernell, F.S. *see* Paulson, W.M. 9—76881

Hickey, E.W. *see* Randazzo, A.F. 9—53346

Hickey, F.R. Two-dimensional appearance of a relativistic cube 9—97142

Hickey, J.L. *see* Vito, R.P. 9—83844

Hickey, J.P. *see* Neppel, A. 9—59469

Hickey, J.R. A review of solar constant measurements 9—58066

Hickin, E.J. Mean flow structure in meanders of the Squamish River, British Columbia 9—62532

Hickin, E.J. Concave-bank benches on the Squamish River, British Columbia, Canada 9—84305

Hickling, R., Feldmaier, D.A., Sung, S.H. Knock-induced cavity resonances in open chamber diesel engines 9—81624

Hickman, A.P. Relation between low-energy-electron scattering and l-changing collisions of Rydberg atoms 9—50112

Hickman, A.P. Approximate scaling formula for ion-ion mutual neutralization rates 9—72411

Hickman, J.W. *see* Asselin, S.V. 9—85646

Hickman, R.S. *see* Kassem, A. 9—98755

Hickman, T.R. *see* Bucaro, J.A. 9—50542

Hickmott, T.W., Baglin, J.E. Stoichiometry and atomic defects in RF-sputtered SiO_2 9—60647

Hickmott, T.W., Baglin, J.E. Stoichiometry and atomic defects in radio frequency spluttered SiO_2 9—90904

Hickox, C.E. *see* Ratzel, A.C. 9—79409

Hicks, B.B., Panofsky, H.A., Wyngaard, J.C., Lenschow, D.H. Comments on 'The characteristics of turbulent velocity components in the surface layer under convective conditions', by H.A. Panofsky, H. Tennekes, D.H. Lenschow, and J.C. Wyngaard [and reply] 9—66754

Hicks, B.B. *see* Slinn, W.G.N. 9—62544

Hicks, H.G. *see* Meyer, R.A. 9—71978

Hicks, H.R. *see* Carreras, B. 9—55498

Hicks, H.R. *see* Waddell, B.V. 9—64855

Hicks, P.J. *see* Baxter, J.A. 9—72422, 9—72423

Hicks, P.J. *see* Wilden, D.G. 9—59588

Hicks, R.A. *see* Pywell, R.E. 9—89286

Hicks, R.C.J. *see* Pickard, R.S. 9—84049

Hicks, R.G. *see* Loomis, W.A. 9—71757

Hicks, T.J. *see* Davis, J.R. 9—51790

Hidaka, K. Slope currents on a rotating globe 9—100867

Hidaka, K., Monsay, E., Sivers, D. Quantum-chromodynamic predictions for large-p_T hadron production with transversely polarized beam and target 9—49553

Hidaka, M., Garrard, B.J., Wanklyn, B.M.R. Structural phase transition of KMF_4 (M=Fe, V, Ti) 9—95161

Hidaka, M., Walker, P.J. A comment on the structure of K_2CuF_4 9—86762

Hidaka, M., Wood, I.G., Wanklyn, B.M., Garrard, B.J. Two-dimensional structural phase transitions of $RBFeF_4$ and $CsFeF_4$ 9—69240

Hidaka, T. Swept-frequency holography 9—98313

Hidaka, Y. *see* Matsutera, H. 9—78480, 9—78482

Hidaka, Y. *see* Yagi, T. 9—78690

Hidalgo, A. *see* Rueda, D.R. 9—77532

Hidasi, J. Compressible medium's plain flow under sound velocity. II 9—81914

Hide, R., Malin, S.R.C. The size of Jupiter's electrically conducting fluid core 9—75147

Hidveghy, J., Hidveghyova, M. Analytical solution of transition phenomena in structural steels investigated by DWTT method [ductile-brittle transition] 9—79095

Hidveghyova, M. *see* Hidveghy, J. 9—79095

Hidvegi, I. *see* Yersin, H. 9—61436

Hieber, C.A., Shen, S.F. Flow analysis of the non-isothermal two-dimensional filling process in injection molding 9—77038

Hieber, H. The early stages in the recovery and diffusion of gold sandwiches 9—77971

Hieber, K. Amorphous chromium-silicon: a material for kilo-ohm sheet resistances 9—78227

Hiebsch, W. Electrical resistance of grain boundaries in platinum 9—87076

Hieftje, G.M. *see* Ramsey, J.M. 9—79331, 9—88983

Hiei, E., Widing, K.G. A single loop of 21 January 1974 flare 9—66991

Hienen, J.F.A.van *see* van Hienen, J.F.A.

Hiep, T.Le *see* Le Hiep, T.

Hierl, T.L. *see* Berenz, J.J. 9—51587

Hiernaux, J., Erneux, T. Chemical patterns in circular morphogenetic fields 9—96498

Hiestand, J.W., Cassell, D.S. Flow distribution analysis of a steam generator 9—49653

Hietanen, J. *see* Anttila, R. 9—50021

Hietanen, J. *see* Huhanantti, M. 9—50020

Hietarinta, J. New look at the zero-mode problem of kink translations 9—75404

Hietarinta, J. Approximation algorithm for functional integrals, and the instanton gas 9—85235

Hietarinta, J. *see* Greenberg, O.W. 9—97582

Hietschold, R. *see* Citron, A. 9—72006

Hieu Nguyen Van *see* Nguyen Van Hieu

Higashi, A., Shoji, H. Mechanical tests of Antarctic deep core ice under hydrostatic pressure. Instrumentation and preliminary results 9—79890

Higashi, A., Uchizono, K., Hoshino, M., Tani, Y., Yano, T., Yazawa, K. New technique for EEG recording and drug infusion in the free-moving mouse 9—57831

Higashi, A., Uchizono, K., Tani, Y., Hoshino, M., Yano, T., Yazawa, K. Real time online data processing system for the EEG and body movement during the lifetime of a freely moving mouse 9—92443

Higashi, A. *see* Hondoh, T. 9—60381

Higashi, A. *see* Oguro, M. 9—99203

Higashi, F., Cho, C.S., Kakinoki, H., Sumita, O. A new organic semiconducting polymer from Cu^{2+} chelate of poly(vinyl alcohol) and iodine 9—91612

Higashi, G.S. *see* Alasti, H. 9—61434

Higashi, I. *see* Ito, T. 9—65042

Higashi, K. *see* Fukushima, H. 9—95954

Higashi, M., Yamaguchi, H. Magnetic circular dichroism spectra of decacyclene and hexabenzocoronene 9—54875

Higashi, Y. *see* Aoki, Y. 9—67757

Higashida, Y. *see* Kamada, K. 9—86823

Higashiguchi, Y., Kayano, H., Narui, M., Suzuki, Y., Matsuyama, K., Takaku, H., Tokiwai, M. Mechanical properties of ferrous alloys after fast neutron-irradation at high temperature 9—51157

Higashiguchi, Y. *see* Kayano, H. 9—52304

Higashijima, K. Short-distance behavior of the Bethe-Salpeter amplitude 9—49387

Higashijima, K., Kuo, T.K., Lauwers, P.G. Generation of u- and d-quark masses 9—63419

Higashino, Y. *see* Tabata, J. 9—88564

Higbie, J. Magnetic flux quantum: a plausibility derivation 9—84902

Higbie, P.R. *see* Baker, D.N. 9—58194, 9—88548

Higdon, J.J.L. A hydrodynamic analysis of flagellar propulsion 9—53072

Higdon, J.J.L. The generation of feeding currents by flagellar motions 9—92184

Higdon, J.J.L. The hydrodynamics of flagellar propulsion: helical waves 9—92185
Higginbotham, C. *see* Pierce, P.E. 9—52685
Higgins, B.B. *see* Gohn, G.S. 9—74879
Higgins, B.B. *see* Lyttle, P.T. 9—79790
Higgins, C.S. *see* Mullani, N.A. 9—66517
Higgins, E.F. *see* Meisner, K.G. 9—76205
Higgins, E.F., Jr. A broadrange beam signal limiter for the Fermilab Booster 9—72082
Higgins, E.F., Jr., Nicol, T.H. Beam detector assembly for the Fermilab Energy Doubler 9—72156
Higgins, J.B. *see* Craig, J.R. 9—60482
Higgins, K. *see* Mansour, H.M.M. 9—63620
Higgins, P.K., Munir, Z.A. Influence of surface oxide layer on sintering process of lead 9—66024
Higgins, R.J. *see* Cheng, L.S. 9—73427
Higgins, S.B., Woosley, R.L., Herrin, C.B., Compton, J.L., Harris, T.R. A minicomputer based system for the quantification of ventricular arrhythmias 9—70677
Higginson, G.R., Snaith, J.E. The mechanical stiffness of articular cartilage in confined oscillating compression 9—74697
Higgs, R. Provenance of Mesozoic and Cenozoic sediments from the Labrador and western Greenland continental margins 9—62479
Higham, P.A., Teer, D.G. Influence of the deposition parameters on the structure of ion-plated chromium 9—82485
Highfield, D.P. *see* Blackburn, G.R. 9—88131
Highfill, R.R., Phelps, M.E. Positron tomography 9—53222
Highfill, R.R., Wieland, B.W. The medical applications of short-lived, cyclotron-produced radionuclides 9—57774
Highfill, R.R. *see* Wieland, B.W. 9—53241
Hight, R.D. *see* Burns, D.J. 9—94071
Higinbotham, J. Radial flux distribution of low-energy neutrons 9—97146
Higo, M. *see* Ogawa, T. 9—98234
Higo, T. *see* Kumabe, I. 9—89264
Higo, T. *see* Matsuki, S. 9—67777
Higuchi, H. *see* Takahashi, H. 9—66966
Higuchi, J., Yagi, M., Shimizu, A. Electron spin resonance of bis-acetylacetonatocopper(II) and bis-salycylal-1,2-ethylenediiminatocopper(II) in stretched polyvinyl alcohol films 9—51847
Higuchi, J. *see* Nishi, N. 9—81233
Higuchi, K. *see* Tanuma, S. 9—65367
Higuchi, M. *see* Murozono, M. 9—83599
Higuchi, S. *see* Furuya, N. 9—92113
Higuchi, T. *see* Tsubouchi, K. 9—56327
Hihara, T. *see* Kojima, K. 9—82972
Hiismaki, P. *see* Tiitta, A. 9—77457
Hijmans, J. *see* Gaaff, A. 9—85091
Hijmans, J.P.A.M. *see* Boersma, F. 9—61148
Hikage, K. *see* Obunai, T. 9—50862
Hikami, S. Renormalization group functions of CP^{N-1} non-linear σ-model and N-component scalar QED model 9—97500
Hikami, S., Brezin, E. Large-order behaviour of the 1/N expansion in zero and one dimensions 9—58862
Hikata, A. *see* Sanders, D.J. 9—56017
Hikida, T. *see* Shimoda, A. 9—79270
Hikita, H., Asai, S., Ishikawa, H., Seko, M., Kitajima, H. Diffusivities of carbon dioxide in aqueous mixed electrolyte solutions 9—95190
Hikita, H., Ishimi, K., Sohda, N. Mass transfer into laminar gas streams in wetted-wall columns—cocurrent gas-liquid flow with circulation in gas phase 9—94698
Hikita, H. *see* Tsujimura, T. 9—97597
Hikma, Z. On the derivations of certain semidirect products 9—49415
Hikmat, N.A. *see* Saleh, J.M. 9—87003
Hikosaka, K., Michihiro, Y., Sakai, S. Instanton effects on the exotic meson $(Q^2\bar{Q}^2)$ spectroscopy 9—89140
Hikosaka, K., Sakai, S. Comment on the boxiton (glueball) states in the lattice gauge theory 9—54259
Hikosaka, K., Sakai, S. The mass levels of $Q^2\bar{Q}^2$ states in (3+1) dimensional lattice gauge theory 9—58942
Hikosaka, K. *see* Ishiwara, H. 9—99255
Hilaire, A. *see* Faugeras, P. 9—76196
Hilal, M.A. Optimization of helium refrigerators and liquefiers for large superconducting systems 9—63233
Hilal, M.A. Boiling in liquid nitrogen and liquid helium: the unstable region 9—63235
Hilal, M.A., Stone, E.L., Van Sciver, S.W. Helium requirements for a superconducting power network 9—50897
Hilal, M.A. *see* Van Sciver, S.W. 9—58711
Hilal, R. Closed-shell SCF-CI MO treatment of all-reactive electrons in complex heteroorganic molecules 9—63917
Hilbert, R.F. *see* Rosa, J.M. 9—67861
Hilczer, M. *see* Bartczak, W.M. 9—66395
Hildebrand, J.H. Brilliant total reflection from a liquid-liquid interface 9—90786
Hildebrand, O. *see* Goebel, E. 9—95439
Hildebrand, P.H. *see* Srivastava, R.C. 9—100972
Hildebrand, R.H. *see* Stiening, R.F. 9—88686
Hildebrand, R.H. *see* Whitcomb, S.E. 9—53743
Hildebrand, R.H. *see* Wright, E.L. 9—75267
Hildebrandt, A.F. *see* Wentworth, W.E. 9—100537
Hildebrandt, D., Manns, R. Angular distribution in sputtering of metals by 10 keV inert-gas ions 9—52061
Hildebrandt, G. 62 years of X-ray crystal optics. I. Ewald's theory 9—50932
Hildebrandt, G. Laue three beam cases with X-rays: experimental and theoretical examples 9—50946
Hildebrandt, G. X-ray linear absorption coefficients for silicon and germanium in the energy range 5 to 50 keV 9—73066
Hildebrandt, G.F. *see* Beiting, E.J. 9—68271
Hildenbrand, D.L. *see* Kleinschmidt, P.D. 9—87838
Hildenbrand, D.L. *see* Lau, K.H. 9—95153, 9—100424
Hildenbrand, K. *see* Nicolau, C. 9—100561
Hilder, M.H. An algebraic expression for first-order reaction in laminar flow 9—94585
Hilditch, R.W., Harland, D.M., McLean, B.J. SV Cam, an eclipsing binary containing a BY Draconis variable 9—67055
Hileman, O.E., Jr. *see* Keller, D.M. 9—69042
Hiley, B.J. *see* Bohm, D. 9—92978
Hiley, B.J. *see* Philippidis, C. 9—80466
Hilgeman, T. *see* Krassner, J. 9—92762
Hilgendorff, W. *see* Hattenbach, K. 9—67846
Hilger, E. *see* Brandelik, R. 9—63491, 9—93441
Hilger, J.P. *see* Lefebvre, G. 9—61867
Hilgner, W. *see* Vogel, H.G. 9—70569
Hilhorst, H.J., Schick, M., van Leeuwen, J.M.J. Exact renormalization group equations for the two-dimensional Ising model 9—73749
Hilhorst, H.J. *see* Knops, H.J.F. 9—73755
Hilhorst, H.J. *see* Yamazaki, Y. 9—54067
Hili, A.El *see* El Hili, A.
Hilke, H.J. *see* Fancher, D. 9—68148
Hill, A.C., Bradley, R., Allen, W.G. Redistribution of dopant impurities in oxidizing ambients 9—90695
Hill, A.E. *see* Fischer, G. 9—54217
Hill, A.R. Factors affecting the export of nitrate-nitrogen from drainage basins in southern Ontario 9—66729
Hill, C. Boundary effects in laser annealing silicon device structures 9—73188
Hill, C.D., Bedford, A. Stability of the equations for particulate sedimentation 9—77230
Hill, C.R. The future of ultrasonics in diagnostic medicine 9—79615
Hill, C.T. The dimension-5 Lorentz invariant operator system in QCD 9—89104
Hill, C.T. *see* Freund, P.G.O. 9—71712
Hill, D. *see* Beretvas, A. 9—89179
Hill, D. *see* Court, G.R. 9—63832
Hill, D. *see* Jonckheere, A. 9—63527
Hill, D.A. *see* Wait, J.R. 9—59618, 9—94125, 9—98261
Hill, D.G., Sakitt, M., Snape, G.R., Stevens, A.J., Bunnell, K.O., Mozley, R.F., Odian, A.C., Park, J.C.H., Slone, D.N., Swanson, W.P., Villa, F., Wang, L.C., Liu, F.F. A study of the decay $K_L^0 \to \pi\mu\nu$ 9—71744
Hill, D.P. *see* O'Neill, M.E. 9—92486
Hill, D.P. *see* Weaver, C.S. 9—66645
Hill, E.F. Development of the glycolic-citric acids (GCA) process for decontamination of LMFBR components 9—93769
Hill, F.F., Browning, K.A. Persistence and orographic modulation of mesoscale precipitation areas in a potentially unstable warm sector 9—79967
Hill, G., Robson, P.N., Fawcett, W. Diffusion and the power spectral density of velocity fluctuations for electrons in InP by Monte Carlo methods 9—51572
Hill, H.A., Ballard, P.T., Bryan, S.D., Rosenwald, R.D. Representation of observable signals in Chebyshev polynomials: application to phase-sensitive detection 9—89857
Hill, J., Geddes, J., Gilbody, H.B. Improved measurements of cross sections for H(2s) formation in electron capture by 1.5-25keV protons in H and H_2 9—72386
Hill, J., Geddes, J., Gilbody, H.B. 1s-2s excitation of fast hydrogen atoms in collisions with atomic and molecular hydrogen 9—89764
Hill, J. *see* Winicov, H. 9—52628
Hill, J.C. *see* Talbert, W.L., Jr. 9—67956
Hill, J.E., Jenkins, J.P., Jones, D.E. Experimental verification of a standard test procedure for solar collectors 9—61947
Hill, J.E. *see* Jenkins, J.P. 9—62067
Hill, J.E. *see* Streed, E.R. 9—74541
Hill, J.M. Plane steady solutions for stress-assisted diffusion 9—90136
Hill, J.R. *see* Kispert, L.D. 9—95686
Hill, J.R. *see* Terner, U.K. 9—62217
Hill, K. *see* Eubank, H. 9—82074
Hill, K.W., von Goeler, S., Bitter, M., Campbell, L., Cowan, R.D., Fraenkel, B., Greenberger, A., Horton, R., Hovey, J., Roney, W., Sauthoff, N.R., Stodiek, W. Determination of Fe charge-state distributions in the Princeton large torus by Bragg crystal X-ray spectroscopy 9—68956
Hill, K.W. *see* Bitter, M. 9—82098
Hill, M.L. *see* McMillin, L.M. 9—80011
Hill, M.P., Pankhurst, K.S. Microhardness and nitrogen concentration profiles for nitrided 316 steel 9—96226
Hill, N.E. Reflection at a dielectric in terms of polarisation 9—82916
Hill, N.R. Quadrupole interaction in the scattering of H_2 from the surface of LiF: rotational transitions 9—74041
Hill, N.R. *see* Garcia, N. 9—69944
Hill, N.W. *see* Harvey, J.A. 9—72199
Hill, N.W. *see* Horen, D.J. 9—93589
Hill, P.L. *see* Bentley, P.G. 9—53210
Hill, P.W., Pringle, J.E., Whelan, J.A.J., Bortle, J. U Scorpii 9—75225
Hill, R. On the theory of plane strain in finitely deformed compressible materials 9—72805
Hill, R. *see* Yost, W.A. 9—90075
Hill, R.D. Ignition of hydrocarbons by small sparks 9—55587
Hill, R.D. A survey of lightning energy estimates 9—100925
Hill, R.F., Potter, N.M. Dissolution of palladium and platinum from automotive catalysts 9—100433
Hill, R.J. Acoustic scattering cross section predicted from an accurate model of the spectrum of temperature fluctuations 9—81603
Hill, R.J., Bowhill, S.A. Relaxation to photochemical equilibrium of charged species within displaced air parcels in the D-region 9—75030
Hill, R.M., Jonscher, A.K. DC and AC conductivity in hopping electronic systems 9—65478
Hill, R.M. *see* Bischel, W.K. 9—68382
Hill, R.M. *see* Dissado, L.A. 9—73882
Hill, R.M. *see* Zamir, E. 9—59671
Hill, R.P. *see* Siemann, D.W. 9—88127
Hill, R.W., Thorsness, C.B., Stephens, D.R., Thompson, D.S., Aiman, W.R. The LLL underground coal gasification project: 1978 status 9—87951
Hill, S. *see* Morris, J.V. 9—93434
Hill, S.J., Willson, L.A. Theoretical velocity structure of long-period variable star photospheres 9—53815
Hill, S.R. *see* Latham, A. 9—89168
Hill, T.F. *see* Crowley, B.J.B. 9—84988
Hillas, A.M. High energy cosmic rays, particle physics and astrophysics 9—66898
Hillebrand, M., Sahini, V.E. Program for semiempirical calculations for Π electron systems. II. Open shell systems. Spin density calculations 9—72241
Hillebrandt, W. *see* Thielemann, F.-K. 9—58302
Hillen, M.W., Greeuw, G., Verweij, J.F. On the mobility of potassium ions in SiO_2 9—95206
Hillen, W. *see* Brandelik, R. 9—63491, 9—93441
Hillenbrand, J., Minifie, F.D., Edwards, T.J. Tempo of spectrum change as a cue in speech-sound discrimination by infants 9—98562
Hillenius, S.J., Coleman, R.V., Domb, E.R., Sellmyer, D.J. Magnetic properties of iron-doped layer-structure dichalcogenides 9—82756
Hillenkamp, F. *see* Furstenau, N. 9—90429
Hillenkamp, F. *see* Nitsche, R. 9—57315
Hiller, W.J. *see* Grabitz, G. 9—86483
Hilleret, N. *see* Benvenuti, C. 9—76212
Hillert, M., Jarl, M. A model for alloying effects in ferromagnetic metals 9—61116
Hilliard, E.J., Jr., Pinkos, R.F. An analysis of triangulation ranging using beta density angular errors 9—72758
Hilliard, J. *see* Schuller, I. 9—95515
Hilliard, J.E. Artificial layer structures and their properties 9—95300
Hillier, I.H. *see* Doran, M. 9—68194
Hillier, I.H. *see* Riley, J.P. 9—89690
Hillier, I.H. *see* Wood, C. 9—68185
Hillion, P. An extension of geometrical optics to polarized light 9—50210
Hillion, P. Numerical solution of the spinor Helmholtz equation in optics 9—72479
Hillis, D.L., Garrett, J.D., Christensen, O., Fernandez, B., Hagemann, G.B., Herskind, B., Back, B.B., Folkmann, F. Gamma-ray multiplicity studies for ^{40}Ar and ^{86}Kr induced reactions leading to Er compound nuclei at limiting angular momenta 9—89320
Hillis, D.L. *see* Baker, F.T. 9—97721
Hillis, D.L. *see* Korner, H.J. 9—89221
Hillis, D.L. *see* Oeschler, H. 9—97720
Hillman, B.J., Smith, E.H., Holm, H.H. Ultrasound diagnosis and treatment of gall-bladder fossa collections following biliary tract surgery 9—53199
Hillman, J.J., Jennings, D.E., Faris, J.L. Diode laser—CO_2 heterodyne spectrometer: measurement of $2sQ(1,1)$ in $2\nu 2 - \nu 2$ of NH_3 9—75626
Hills, A.W.D. *see* Sohn, H.Y. 9—52769
Hills, B.A. Intermittent flow in tendon capillary bundles 9—100649
Hills, B.P. The critical contribution to vibrational and rotational relaxation. II. Binary liquid mixtures 9—50969
Hills, B.P., Madden, P.A. The critical contribution to vibrational dephasing. I. The gas-liquid critical point 9—51954

Hills, B.P., Madden, P.A. Vibrational relaxation of nitrate anion in aqueous electrolyte solutions 9—94862
Hills, G.J. *see* Adams, D.J. 9—90507
Hills, G.W., McKellar, A.R.W. Laser magnetic resonance spectrum of the ν_2 band of PH_2 9—89694
Hills, G.W. *see* Lowe, R.S. 9—68246
Hills, H.K. *see* Hardy, D.A. 9—53666
Hills, J.F., Ibbott, G.S., Hendee, W.R. Computerized patient contours using the scanning arm of a compound B-scanner 9—83865
Hills, J.G. *see* Benvenuti, P. 9—71048
Hills, R. Latest trends in UV recording 9—54117
Hills, R.G., Mulholland, G.P. The accuracy and resolving power of one dimensional transient inverse heat conduction theory as applied to discrete and inaccurate measurements 9—94453
Hills, R.N. *see* Roberts, P.H. 9—60567
Hilscher, D., Birkelund, J.R., Hoover, A.D., Schroder, W.U., Wilcke, W.W., Huizenga, J.R., Mignerey, A.C., Wolf, K.L., Breuer, H.F., Viola, V.E. Structure in the energy spectra of the fragments produced in damped heavy-ion reactions 9—93591
Hilscher, D., Birkelund, J.R., Hoover, A.D., Schroder, W.U., Wilcke, W.W., Huizenga, J.R., Mignerey, A.C., Wolf, K.L., Breuer, H.F., Viola, V.E., Jr. Neutron emission in the reaction $^{165}Ho+^{56}Fe$ at $E_{lab}=8.5$ MeV/u 9—93653
Hilscher, D. *see* Breuer, H. 9—76020
Hilscher, G., Gmelin, E. Low temperature specific heat and magnetic properties of $Zr(Fe_{1-x}Co_x)_2$ 9—61153
Hilscher, H. *see* Tran, M.T. 9—93665
Hiltner, A. *see* Lacabanne, C. 9—69186
Hiltner, A. *see* Monpagens, J.C. 9—69185
Hiltner, A. *see* Uralil, F. 9—66096
Hiltner, A. *see* Williams, G. 9—101222
Hilton, D.A. *see* Evans, H.E. 9—54496
Hilton, P.A., Cowley, R.A., Stirling, W.G., Scherm, R. Inelastic scattering from ^3He under pressure 9—55998
Hilton, P.A. *see* Scherm, R. 9—56011
Hilton, P.A. *see* Stirling, W.G. 9—51336
Hilton, P.R., Nordholm, S., Hush, N.S. Photoionization cross section of water by an atomic extrapolation method 9—81242
Hilz, R. *see* Wilson, H.R. 9—74678
Himbergen, A.Van *see* Van Himbergen, A.
Himbergen, J.E.van *see* van Himbergen, J.E.
Himberger, D.E. *see* Brower, N.G. 9—82429
Himbert, M., Reynaud, S., Dupont-Roc, J., Cohen-Tannoudji, C. A new type of resonances in saturated absorption spectroscopy of 3-level systems 9—89972
Himel, T. *see* Abrams, G.S. 9—89149, 9—89174
Himes, D.A. Thermal conductivity model for $(Th,U)O_2$ to melting 9—93732
Himmel, G. *see* Mobius, E. 9—60198
Himpsel, F.J., Knapp, J.A., Eastman, D.E. Experimental energy-band dispersion and exchange splitting for Ni 9—69402
Himpsel, F.J., Knapp, J.A., Eastman, D.E. Angle-resolved photoemission study of electron structure of chemisorbed hydrogen on Ni (111) 9—69573
Himpsel, F.J., Knapp, J.A., Van Vechten, J.A., Eastman, D.E. Quantum photoyield of diamond(111)—a stable negative-affinity emitter 9—100023
Himpsel, F.J. *see* Dietz, E. 9—61492, 9—83097
Himpsel, F.J. *see* Eastman, D.E. 9—78829
Himpsel, F.J. *see* Eberhardt, W. 9—61490
Himpsel, F.J. *see* Knapp, J.A. 9—69572, 9—77998
Himsolt, G., Knoch, H., Huebner, H., Kleinlein, F.W. Mechanical properties of hot-pressed silicon nitride with different grain structures 9—61700
Himstedt, W. *see* Roth, G. 9—53092
Hinai, M. *see* Masumoto, H. 9—70104, 9—77679, 9—100206
Hinata, Y. *see* Endo, H. 9—97903
Hinatsu, Y. *see* Miyake, C. 9—78303
Hinch, E.J., Acrivos, A. Steady long slender droplets in two-dimensional straining motion 9—60062
Hinch, E.J., Elata, C. Heterogeneity of dilute polymer solutions 9—60030
Hinch, E.J., Leal, L.G. Rotation of small non-axisymmetric particles in a simple shear flow 9—68722
Hinchcliffe, R. *see* Robinson, D.W. 9—88091
Hinchen, J.J., Hobbs, R.H. Rotational population transfer in HF 9—55128
Hinchliffe, A. Electronic structure and properties of CH_2CN and CH_2NC 9—49938
Hinchliffe, A. Structure and properties of HSSH, H_2SS, FSSF and F_2SS 9—93921
Hinchliffe, A., Bounds, D.G. Structure and properties of NH_2, PH_2, NF_2, PF_2, NCl_2 and PCl_2 9—76338
Hinchliffe, A. *see* Bounds, D.G. 9—98244
Hinchliffe, I. *see* Chanowitz, M.S. 9—75713
Hinckley, S., Hora, H., Kelly, J.C. Subthreshold defect generation and annealing in silicon by intense electron beam bombardment. [Plasmon mechanism] 9—51149
Hinderer, G. Automatic isochronisation and computer aided centering in the VICKSI cyclotron 9—54706
Hinderer, G. *see* van Heusden, G.C.L. 9—54689
Hindley, K.B. The accuracy of meteorite dropping fireball radiants 9—71006
Hindley, K.B., Taylor, M.D. An analysis of α-Capricornid meteors 9—71004
Hindman, E.E., Heimdahl, O.E.R. Calculated effects of haze droplets on visibility in natural and treated warm fogs 9—100951
Hindman, J.C. *see* Baugher, J. 9—59477
Hinds, C.H., Ingram, D., Dickinson, C.J. The use of a model of human respiration in management of artificially ventilated patients 9—70576
Hinds, W.T., Cline, J.F., Schreckhise, R.G. Techniques for long-term field studies on plant uptake of transuranics from soil 9—57821
Hine, F. *see* Yasuda, M. 9—61783
Hine, G.J. *see* Adams, R. 9—62355
Hine, R.G., Longair, M.S. Optical spectra of 3CR radio galaxies 9—71124
Hines, J.R. *see* Walters, D.L. 9—84478
Hines, W.A., Budnick, J.I., Menotti, A.H., Paolino, R.N., Burch, T.J. Magnetic ordering in exchange-enhanced $(Pd_{1-y}Ag_y)_{100-x}Fe_x$ and $(Pd_{1-y}Rh_y)_{100-x}Fe_x$ alloys 9—61050
Hines, W.A. *see* Niculescu, V. 9—65762
Hines, W.A. *see* Pease, D.M. 9—69653
Hingani, L.S., Tillu, A.D. Excitation mechanisms of sodium night airglow 9—84562
Hinich, M.J. Estimating bearing when the source is endfire to an array 9—50515
Hinich, M.J. Passive range estimation using subarray parallax 9—72759
Hinich, M.J. Maximum likelihood estimation of the position of a radiating source in a waveguide 9—90085
Hink, W.F. *see* Koval, T.M. 9—74725
Hinkle, K.M. Technical aspects and pitfalls of nuclear cystography 9—96656
Hinkley, E.D. *see* Majumdar, A.K. 9—81532
Hinneburg, D., Nagel, M., Brunner, G. Application of the 'electronic bridge' theory to some highly converted nuclear transitions 9—67708
Hinnov, E. Observed resonance lines of highly ionized titanium, chromium, iron, and nickel in Tokamak discharges 9—68941
Hinnov, E. *see* Eubank, H. 9—82074
Hinnov, E. *see* Johnson, B.M. 9—54828
Hinnov, E. *see* Suckewer, S. 9—77400, 9—98958
Hino, I. *see* Yonezu, H. 9—72566
Hino, N. *see* Ochi, R. 9—92210
Hino, S. *see* Takahashi, T. 9—74061
Hino, T., Yamashita, K. Neutralization of mobile ions in the SiO_2 film of MOS structures 9—95503
Hino, T. *see* Yamashita, K. 9—73591
Hino, Y. *see* Yamamoto, T. 9—49622
Hinode, K. *see* Kumakura, H. 9—74017
Hinotani, K. *see* Neal, H.A. 9—97636
Hinotanti, K., Neal, H.A., Predazzi, E., Walters, G. Behavior of the spin-flip amplitude in high-energy proton-proton and pion-proton elastic scattering 9—93461
Hinov, H.P., Derzhanski, A.I. Second-order elasticity and first-order Freedericksz transitions in nematic liquid crystals 9—99069
Hinov, H.P. *see* Derzhanski, A.I. 9—60264
Hins, A.G., Kraft, D.A., Jelinek, H.F. Remote alloying and casting of U-Pu-Zr metal fuel 9—89477
Hins, A.G. *see* Summers, J.R. 9—54478
Hinsley, R. *see* Eckhardt, R.C. 9—59683
Hinterberger, F. *see* Agena, M. 9—54675
Hinterberger, F. *see* Conzett, H.E. 9—89314
Hinterberger, F. *see* Eversheim, P.D. 9—54705
Hinterberger, F. *see* Gorgen, R. 9—59078
Hinteregger, H.E. Development of solar cycle 21 observed in EUV spectrum and atmospheric absorption 9—75174
Hinteregger, H.F. *see* Clark, T.A. 9—88920
Hinteregger, H.F. *see* Cotton, W.D. 9—53922
Hintermann, A. Analyticity properties of 3-component models 9—67235
Hintermann, A., Kunz, H., Wu, F.Y. Exact results for the Potts model in two dimensions 9—58644
Hintermann, A., Meier, P.F., Patterson, P.D. The anomalous muonium state in silicon 9—56673
Hintermann, A. *see* Boekema, C. 9—56674
Hintermann, A. *see* Mukhopadhyay, N.C. 9—94112
Hintermann, H.E. Chemical vapour coating of bearing surfaces 9—83366
Hintom, E.R., Jr. *see* Hekbree, D.M. 9—100460
Hinton, E. *see* Zienkiewicz, O.C. 9—57862
Hinton, J.F., Ladner, K.H. The T_1 of the $^{205}Tl^+$ ion in DMSO: a case of the importance of chemical shift anisotropy 9—51870
Hintz, N.M. *see* Ray, L. 9—63669
Hinz, H.-J., Raether, H. Line shape of the volume plasmons of silicon and germanium 9—90984
Hinze, D., Leimbrock, W. Infrared reflection spectroscopy for thin insulating film thickness measurement 9—58671
Hinze, E. *see* Cemic, L. 9—93162
Hinze, J., Yurtsever, E. An algorithm to solve open and closed-shell and restricted MC-SCF equations 9—63891
Hinze, J. *see* Yurtsever, E. 9—89591
Hioe, F.T., Surendra Singh, Mandel, L. Correlation functions of the two-mode ring laser 9—76720
Hipel, K.W. *see* McLeod, A.I. 9—79907
Hipkin, R.G. *see* Lagios, E. 9—92541
Hipolito, O., Campos, V.B. Screening effects in n-type Si inversion layers 9—73563
Hipolito, O. *see* Studart, N. 9—69446
Hippel, A.von *see* von Hippel, A.
Hippel, F.von *see* von Hippel, F.
Hippert, F. *see* Alloul, H. 9—51747
Hippler, H. *see* Wendt, H.R. 9—63997
Hippler, H.P. *see* Schult, W. 9—66252
Hipps, K.W., Crosby, G.A. Applications of the photoelastic modulator to polarization spectroscopy 9—93224
Hipps, K.W. *see* Hunter, S.J. 9—65768, 9—87333
Hirabayashi, H., Kurokawa, S., Yamamoto, A., Kusumegi, A. Low energy kaon beam lines at KEK 9—72053
Hirabayashi, H. *see* Chiba, M. 9—93898
Hirabayashi, H. *see* Kurokawa, S. 9—68007
Hirabayashi, M. *see* Fujino, Y. 9—60416
Hirabayashi, M. *see* Hiraga, K. 9—94969
Hirabayashi, M. *see* Koike, S. 9—56113
Hirabayashi, M. *see* Onozuka, T. 9—99150
Hirabayashi, M. *see* Yamaguchi, S. 9—65131
Hirabayashi, S., Kobayakawa, K., Morii, T. A modified cascade model for hadron-nucleus collisions at high energies 9—59064
Hirafuku, S. *see* Itoh, K. 9—92309
Hiraga, K., Hirabayashi, M. Modulated structures in metal carbide systems of V_2C, Nb_2C and Ta_2C 9—94969
Hirai, A. *see* Hirayoshi, Y. 9—75564
Hirai, A. *see* Kubo, T. 9—51881
Hirai, A. *see* Maegawa, S. 9—56027
Hirai, M., Seikai, S., Kashima, N., Shimoda, M., Uchida, N. Arc-fusion splice and splice machine for multimode fibers—pre-fusion method 9—59854
Hirai, M. *see* Suzuki, Y. 9—91462
Hirai, S. *see* Fujii, Y. 9—83531
Hirai, T., Hayashi, S., Niihara, K. Thermal diffusivity, specific heat and thermal conductivity of chemically vapor-deposited Si_3N_4 9—69303
Hirai, T., Niihara, K. Hot hardness of SiC single crystal 9—100247
Hirai, T. *see* Aiyama, T. 9—87013
Hirai, T. *see* Nakajima, A. 9—73314
Hirai, T. *see* Niihara, K. 9—83112
Hirai, Y., Hyodo, S. Peculiar decay of a potassium ion current emitted from gas-covered tungsten surface 9—74045
Hiraishi, H., Kondow, T., Fukuyama, T., Kuchitsu, K. Ionizing collisions of long-lived highly excited hydrogen molecules with H_2O and SF_6 9—64088
Hiraishi, H., Kondow, T., Fukuyama, T., Kuchitsu, K. Ionizing collisions of long-lived highly excited hydrogen molecules with rare gas atoms 9—100328
Hiraishi, J., Tani, K., Tamura, T. Far infrared reflection spectra of lead (II) chloride and iodide 9—87430
Hiraiwa, N. *see* Nishimura, J. 9—80153
Hirakawa, H. *see* Ogawa, Y. 9—97290
Hirakawa, K., Hoshizawa, H. Observation of the condensation of magnons in the quasi-two-dimensional planar ferromagnet K_2CuF_4 9—91220
Hirakawa, K., Tokimasa, K. Effect of environment on partitioned strain-life relations $\Delta\varepsilon_{ij}$-N_{ij} of SUS 304 stainless steel 9—87753
Hirakawa, K. *see* Hayashi, H. 9—92204
Hirakawa, K. *see* Kai, S. 9—77287
Hirakawa, K. *see* Mitaku, S. 9—55432
Hirakawa, S. *see* Tsuda, M. 9—88146
Hiraki, A., Kim, S.C., Imura, T., Iwami, M. Si(LMM) Auger electron emission from Si alloys by keV Ar^+ ion bombardment, new effect and application 9—95880
Hirama, T., Yumiyama, M., Tomita, M., Yamaguchi, H. Lateral thermal diffusivities in packed fluidized beds of horizontal flow type 9—50788
Hiramatsu, H. *see* Okano, K. 9—50975
Hiramatsu, K. *see* Takagi, K. 9—52999
Hiramatsu, S., Isagawa, S., Ishimoto, S., Masaike, A., Morimoto, K., Funahashi, S., Hamaguchi, Y., Minakawa, N., Yamaguchi, Y. Polarization of slow neutrons by a polarized proton filter 9—63238
Hiramatsu, T., Goto, H., Hirobe, T., Hirofuji, Y., Kimata, M. C-V characteristics of Al/vacuum-evaporated-$SiO_{x(1\sim2)}$/GaAs systems 9—65553
Hiramoto, J. *see* Tamura, S. 9—83859
Hiramoto, T. *see* Ogawa, H. 9—54649
Hirano, A., Mada, H., Kobayashi, S. Anisotropy of the critical surface tension of a treated solid surface and the liquid crystal alignment 9—86676
Hirano, H. *see* Kitano, K. 9—94631
Hirano, K., Kobayashi, H., Nakazawa, H., Nara, A. The elevated temperature and thermal shock fracture toughnesses of nuclear pressure vessel steel 9—83304
Hirano, K. *see* Hamada, F. 9—73042

Hirano, K. *see* Ikuta, K. 9—82090
Hirano, K. *see* Tamura, S. 9—83859
Hirano, K.-I. *see* Fujikawa, S.-I. 9—51265
Hirano, M., Asahi, Y. Analysis of stratified cocurrent flow of gas-liquid mixtures in horizontal pipes 9—77214
Hirano, M. *see* Abe, Y. 9—85279
Hirano, M. *see* Aizawa, M. 9—83719
Hirano, M. *see* Noya, A. 9—91157
Hirano, S. *see* Kamiya, S. 9—60329
Hirano, S. *see* Somiya, S. 9—65996
Hirano, Y. Buckling of angle-ply laminated circular cylindrical shells 9—64552
Hirano, Y. *see* Okazaki, K. 9—98652
Hirano, Y. *see* Taoka, T. 9—70259, 9—100320
Hirao, K., Soga, N., Kunugi, M. Mossbauer and ESR analysis of the distribution of Fe^{3+} in leucite-type iron silicate glasses and crystals 9—65774
Hirao, T., Fuse, G., Inoue, K., Takayanagi, S., Yaegashi, Y., Ichikawa, S. The effects of recoil-implanted oxygen in Si on the electrical activation of As after through-oxide implantation 9—99227
Hirao, T., Inoue, K., Takayanagi, S., Yaegashi, Y. The concentration profiles of projectiles and recoiled nitrogen in Si after ion implantation through Si_3N_4 films 9—55764
Hirao, T., Inoue, K., Yaegashi, Y., Takayanagi, S. The concentration profiles of phosphorus, arsenic and recoiled oxygen atoms in Si by ion implantation into SiO_2-Si 9—51138
Hirao, T. *see* Nakajima, M. 9—99353
Hirao, Y. NUMATRON project 9—68016
Hirao, Y., Chida, K., Hattori, T., Hori, T., Katayama, T., Mizobuchi, A., Mutou, M., Nakanishi, T., Noda, A., Omata, K., Tokuda, N., Tsujikawa, H., Watanabe, S., Yamada, S., Yoshizawa, M., Ezura, E., Sasaki, H., Miyahara, A. Test Accumulation Ring for NUMATRON project—TARN 9—72117
Hirao, Y. *see* Sato, K. 9—54648
Hiraoka, H. *see* Miyazaki, S. 9—79051
Hiraoka, T., Sugihara, M., Kasai, M., Mori, S. A concept of JAERI's D-T burning test facility 9—71963
Hiraoka, Y., Okada, M., Watanabe, R. Low-temperature ductility of an electron-beam-welded molybdenum sheet predoped with a small amount of carbon 9—87685
Hirashima, Y. *see* Yoshimori, M. 9—80353
Hirata, J. *see* Kishimoto, M. 9—56571
Hirata, K. Action-at-a-distance theory of electrodynamics with Dirac's monopoles 9—63059
Hirata, M., Koch, J.H., Lenz, F., Moniz, E.J. Isobar-hole doorway states and π-^{16}O scattering 9—85350
Hirata, M. *see* Hoshino, D. 9—77737
Hirata, T. Abnormal grain growth before the melting transition and subsequent structural change of vacuum-deposited Al-Cu alloy thin films 9—60663
Hirata, T. On the glass transition temperature in some metallic glasses 9—99081
Hirata, T. *see* Murota, A. 9—81909
Hirata, Y. On the impulse response of recursive filters 9—72769
Hirato, N. *see* Kakusho, O. 9—72761
Hirayama, C. *see* Motozato, Y. 9—66386
Hirayama, H. *see* Arakita, Y. 9—85850
Hirayama, K. *see* Ohnuma, T. 9—55496
Hirayama, S. Fluorescent exciplexes formed between 9-cyanoanthracene derivatives and N,N-dimethylaniline in the gas phase 9—68250
Hirayama, S. Nuclear reactor types from view points of their validity and inevitability 9—80974
Hirayama, S. *see* Hamanoue, K. 9—79272
Hirayama, T., Shimizu, I., Imai, H., Hamana, S., Tokuya, A., Moriyama, F. The direct photograph of solar faculae and sunspots with a balloon-borne 10 cm telescope. III 9—80292
Hirayama, T. *see* Gomay, Y. 9—85768
Hirayama, T. *see* Maeno, M. 9—98984
Hirayama, T. *see* Yamaguchi, T. 9—101072
Hirayama, Y. *see* Ikeuchi, S. 9—67106
Hirayochi, Y. *see* Maegawa, S. 9—56027
Hirayoshi, Y., Takeuchi, M., Hirai, A. Application of a microcomputer system to pulsed NMR experiments 9—75564
Hird, B., Ali, S.P. Search for long-lived states of the heavier rare gas negative ions 9—72410
Hirobe, T. *see* Hiramatsu, T. 9—65553
Hirofuji, Y. *see* Hiramatsu, T. 9—65553
Hiroh, A., Shiozawa, K., Ootaki, A. Simulation of the plume model with the curved trajectory on the data of a diffusion experiment 9—52986
Hirohata, Y. *see* Watanabe, K. 9—61768
Hiroike, K. Transformation of the Ornstein-Zernike Relation for fluid mixtures 9—98855
Hirokawa, K., Ohu, M. Optical emission spectrographic analysis of some binary alloys by a glow discharge of Grimm lamp 9—99015
Hirokawa, T., Ojima, K. The dislocation movement in the pre-yield region in white tin single crystals by using the etch hillock technique 9—60371
Hirokawa, T. *see* Ojima, K. 9—100045
Hiromatsu, T. *see* Tsushima, Y. 9—97850
Hiromitsu, S. *see* Ohta, M. 9—52998
Hirone, M. Analysis of two-dimensional sound field by integral equation upon the periphery 9—81591
Hirono, J. *see* Hayashi, S. 9—65303
Hirooka, T. *see* Tiedemann, P.W. 9—89622
Hirosawa, H. *see* Nishimura, J. 9—80218
Hirose, A., Horiuchi, I., Ishii, D. Simultaneous determination of mercury and gold in bismuth by neutron activation analysis 9—57336
Hirose, A., Ishii, D. Studies on neutron activation analysis using ion exchange preconcentration. VI. Study of anion exchange resins with respect to interfering radionuclides in neutron activation analysis 9—52832
Hirose, A., Ishii, D. Determination of uranium in sea water by preconcentration on Chelex 100 and neutron activation 9—53009
Hirose, A. *see* Al-Shiraida, Y.S. 9—73023
Hirose, A. *see* Schmidt, G. 9—60155
Hirose, G. *see* Jacobson, M. 9—62250
Hirose, H. *see* Yamanaka, S. 9—88023
Hirose, M., Hasegawa, N., Kato, Y., Tsubouchi, S. The effect of low temperature quenching and quench ageing on the fatigue strength of notched specimens of low carbon steels 9—100173
Hirose, M., Taniguchi, M., Osaka, Y. Electronic properties of chemically deposited polycrystalline silicon 9—56332
Hirose, M. *see* Ploog, K. 9—77943
Hirose, M. *see* Taniguchi, M. 9—99566
Hirose, M. *see* Yokoyama, S. 9—60927
Hirose, T. *see* Kawaminami, M. 9—90747
Hirose, T. *see* Kimoto, H. 9—68468
Hirose, T. *see* Sasaki, A. 9—76635
Hirose, Y., Tanaka, K., Okabayashi, K. Prior-austenite grain-size effect on nucleation and growth of stress corrosion cracking in high strength steel 9—66215
Hirose, Y., Tanaka, K., Yajima, Z., Okabayashi, K. Fractographic study of stress corrosion cracking in high strength steel 9—66214
Hiroshige, N. Electroproduction at low energy and $\gamma N\Delta_{33}$ form factors 9—63515
Hiroshima, M. *see* Nishida, H. 9—78486
Hirota, E. Anharmonic potential function and equilibrium structure of methane 9—94055
Hirota, E., Saito, S., Endo, Y. Barrier to internal rotation in ethane from the microwave spectrum of CH_3CHD_2 9—93986
Hirota, E. *see* Endo, Y. 9—93988
Hirota, N. *see* Baba, M. 9—78570
Hirota, R. The Backlund and inverse scattering transform of the K-dV equation with nonuniformities 9—63067
Hirota, R. An exact solution to 'simple harmonic generation' 9—75354
Hirota, R. Exact solutions to the equation describing 'cylindrical solitons' 9—75359
Hirota, S. Anisotropy study of electrical conduction in oriented polymers. I. Analysis of bulk electrical conduction parallel to the surface of film 9—87094
Hirota, S. Anisotropy study of electrical conduction in oriented polymers. II. Anisotropy of electrical conduction in uniaxially oriented polymers 9—87095
Hirotsu, S., Toyota, K., Hamano, K. Elastic anomalies of Rb_2ZnCl_4 around the normal-incommensurate phase transition point 9—55833
Hirotsu, Y., Nagakura, S., Sato, H. Electron state of Magneli phase V_6O_{11} and V_7O_{13} 9—94946
Hirotsu, Y. *see* Sato, H. 9—99149
Hiroyoshi, H. *see* Fukamichi, K. 9—56594
Hiroyoshi, H. *see* Nakagawa, Y. 9—55891
Hirsch, A.S. *see* Gaidos, J.A. 9—85440
Hirsch, C. *see* De Ruyck, J. 9—98702
Hirsch, D. *see* Butter, E. 9—90909
Hirsch, E. A simple representation of the Pugh, Eichelberger, and Rostoker solution to the shaped charge jet formation problem 9—94692
Hirsch, J., Musick, R., Lucke, K. Comparison between earing, R-values and 3-dimensional orientation distribution functions of copper and brass sheets 9—91702
Hirsch, J. *see* Tahmasbi, A.R. 9—56226
Hirsch, J.E., Mazenko, G.F. Renormalization-group transformation for quantum lattice systems at zero temperature 9—71379
Hirsch, J.E. *see* Vivion, M.C. 9—100632
Hirsch, P. A mechanism for the effect of doping on dislocation mobility 9—82550
Hirsch, P.B. Recent results on the structure of dislocations in tetrahedrally coordinated semiconductors 9—82206
Hirschberg, J.G., Cornwell, D.F. Field-widened Michelson spectrometer with no moving parts. II 9—93223
Hirschberg, J.G. *see* Kohen, E. 9—53073
Hirschfeld, D.A. *see* Weinberg, F. 9—74145
Hirschfeld, P. Strong evidence that Gribov copying does not affect the gauge theory functional integral 9—93288
Hirschfeld, T. Digitization noise in Fourier transform infrared spectroscopy and gain ranging 9—97448
Hirschfelder, J.O. Similarity of Wigner's delay time to the virial theorem for scattering by a central field 9—80469
Hirsham, S.P. *see* Hawryluk, R.J. 9—55468
Hirshberg, A.S. Solar energy Implementation Centers 9—57394
Hirshberg, A.S. Utility involvement in solar energy and Project SAGE 9—57452
Hirshfeld, F.L. *see* Eisenstein, M. 9—49960
Hirshfield, F.L., Mirsky, K. The electrostatic term in lattice-energy calculations: C_2H_2, CO_2, and C_2N_2 9—51040
Hirshman, S.P., Jardin, S.C. Two-dimensional transport of tokamak plasmas 9—64896
Hirshman, S.P. *see* Boley, C.D. 9—77340
Hirshman, S.P. *see* Molvig, K. 9—90408
Hirst, A.N., Beurle, R.L., Beverley, K.I., Poole, C.L. Contrast thresholds for patterns of dynamic visual noise 9—100611
Hirst, B. *see* Davies, R.J. 9—93813
Hirst, D.M. Ab initio potential curves for the lowest $^1\Sigma^+$ and $^3\Pi$ states of the ion CN^+ 9—85905
Hirst, D.M. *see* Gittings, M.A. 9—100337
Hirst, E. Effects of energy conservation research, development, and demonstration on residential energy use 9—92049
Hirst, E., Carney, J. The ORNL model of household fuel uses 9—79387
Hirt, C.W. *see* Nichols, B.D. 9—49659
Hirter, P. *see* Schlunegger, U.P. 9—57573
Hirth, J.P., Barnett, D.M., Lothe, J. Stress fields of dislocation arrays at interfaces in bicrystals 9—99432
Hirth, J.P. *see* Lee, T.D. 9—52363, 9—61716
Hirth, J.P. *see* Rigney, D.A. 9—87743
Hirth, J.P. *see* Shatynski, S.R. 9—77841
Hirth, J.P. *see* Yacaman, M.J. 9—90659
Hiruma, T. *see* Kurokawa, K. 9—62063, 9—79185
Hirvonen, M.T. Theory of polarimetric resonance electron Mossbauer spectroscopy 9—99808
Hisa, I. *see* Seki, S. 9—63761
Hisada, K. *see* Aburano, T. 9—100720
Hisaki, T., Negishi, G., Watanabe, S., Kashiwagi, H. Excimer laser mirror 9—72588
Hisamatsu, Y. *see* Kon, K. 9—96202
Hisamatsu, Y. *see* Sato, A. 9—79158
Hisatsugu, T. *see* Sakurai, T. 9—77627
Hisatsune, K. *see* Ohta, M. 9—87646
Hiscock, W.A., Lindblom, L. Post-Newtonian effects on satellite orbits near Jupiter and Saturn 9—101054
Hiscott, R.N. Provenance of Ordovician deep-water sandstones, Tourelle Formation, Quebec, and implications for initiation of the Taconic orogeny 9—57919
Hishida, H. Effect of subassembly bowing on FBR core thermal and hydraulic design 9—67816
Hishida, H., Miyaguchi, K. Summary of IAEA specialists' meeting on thermodynamics of FBR fuel subassemblies under nominal and non-nominal operating conditions 9—93689
Hishida, M., Nagano, Y. Structure of turbulent velocity and temperature fluctuations in fully developed pipe flow 9—77254
Hishihara, H. *see* Yip, H. 9—82045
Hishita, S., Takata, M., Yanagida, H. Inhibition of anatase-rutile transformation due to Nb_2O_5 addition 9—78948
Hiskes, R. Improved fatigue resistance of high-strength optical fibers 9—50470
Hislop, J.S. *see* Williams, D.R. 9—87910
Hissenhoven, R.van *see* van Hissenhoven, R.
Histand, M.B. *see* Greene, E.R. 9—96639
Histand, M.B. *see* Wells, M.K. 9—92315
Hita Villaverde, E. *see* Alvarez-Claro, M. 9—80666
Hitchcock, A.P., Brion, C.E. On the assignment of the carbon K-shell spectra of the methyl halides 9—89797
Hitchcock, A.P., Van der Wiel, M.J. Absolute oscillator strengths (5-63 eV) for photoabsorption and ionic fragmentation of SF_6 9—72367
Hitchcock, D.A., Mahajan, S.M., Hazeltine, R.D. The effects of low frequency electromagnetic turbulence on a spatially inhomogeneous plasma 9—86583
Hitchcock, J.T., Pickard, P.S. Calculated advanced operating mode capabilities in the ACPR 9—93777
Hitchcock, T. *see* Iyer, H.M. 9—74860
Hitchen, M., Dick, I., Heming, P., Harness, J.B., Mearns, A.J. Analysis of body's periodic signals to indicate the body's control mechanism 9—66576
Hitchens, R.E. *see* Ambos, H.D. 9—70639
Hitchens, R.E. *see* Clark, K.W. 9—70679
Hitchens, R.E. *see* Mead, C.N. 9—70674
Hitchin, N.J. Polygons and gravitons 9—49150
Hitchman, M.L., Kane, J., Widmer, A.E. Polysilicon growth kinetics in a low pressure chemical vapour deposition reactor 9—91594
Hites, R.A. *see* Windsor, J.G., Jr. 9—74555
Hitlin, D.G. *see* Abrams, G.S. 9—89149, 9—89174
Hitterman, R.L. *see* Faber, J. 9—99221
Hitterman, R.L. *see* Mueller, M.H. 9—99101
Hittmair, O. *see* Nowotny, H. 9—51709
Hivert, A., Labbe, J. Fabrication of ionisers for electric propulsion 9—56946

Hizhnyakov, V.V., Sherman, A.V. On the theory of resonant secondary radiation of excitons strongly interacting with phonons 9—60724
Hjellming, R.M. Novalike object in Centaurus 9—67026
Hjellming, R.M. *see* Gibson, D.M. 9—58379
Hjellming, R.M. *see* Gregory, P.C. 9—88755
Hjelmberg, H., Lundqvist, B.I. Self-consistent calculation of molecular chemisorption on metals 9—95260
Hjeresen, D.L., Sheldon, R.L., Doctor, S.R. Shuttlebox side preference as mediated by pulsed microwave and conventional auditory cues 9—100634
Hlatky, L. *see* Boismier, G. 9—79567
Hlavacek, M. Wave propagation in viscoelastic fibre-reinforced composites 9—76992
Hlavinkova, V. *see* Rubeska, I. 9—88475
Hlavka, J., Kouba, K. Excess carrier recombination in P implanted silicon 9—65495
Hlond, M. Solar X-ray photometer 9—58247
Hmurcik, L.V., Kaup, D.J. Solitons created by chirped initial profiles in coherent pulse propagation 9—72632
Hnatowich, D.J. *see* Kulprathipanja, S. 9—96285
Hnatowicz, V. Relative γ-ray intensities for calibration of Ge(Li) detectors 9—49896
Ho, E., Weatherly, G.C., Manchester, F.D., Goldberg, H.A. An in situ electron microscope study of precipitation in palladium-hydrogen alloys 9—61589
Ho, H.S. *see* Dutta, S.K. 9—100666
Ho, J.C., Huang, C.Y., Smith, J.L. Calorimetric evidence of structural and ferromagnetic transitions in $Gd_xEr_{1-x}Rh_4B_4$ 9—55888
Ho, J.C., Taher, S.M.A., King, G.B., Gruber, J.B., Beaudry, B.J., Gschneidner, K.A., Jr. Heat capacity of rare earth sesquisulfides 9—60518
Ho, J.C. *see* Fogle, W.H. 9—61164
Ho, J.C. *see* Hermans, F. 9—56383
Ho, J.C. *see* Smith, J.L. 9—78344
Ho, J.H. *see* Vook, R.W. 9—82228
Ho, J.T. *see* Shao-Tang Sun 9—92172
Ho, K.M., Pickett, W.E., Cohen, M.L. Electronic properties of Nb_3Ge and Nb_3Al from self-consistent pseudopotentials. II. Bonding, electronic charge distributions, and structural transformation 9—69054
Ho, K.M. *see* Pickett, W.E. 9—69401
Ho, M.C. *see* Barber, D. 9—54289, 9—54346
Ho, M.C. *see* Barber, D.P. 9—89175, 9—97631
Ho, P.P. *see* Lu, P.Y. 9—81446
Ho, P.S., Koster, U., Ohdomari, I. Improved thermal stability in Al/silicide/Si junctions 9—78186
Ho, P.S., Lewis, J.E., Chu, W.K. Preferred sputtering on binary alloy surfaces of the Al-Pd-Si system 9—87552
Ho, P.S. *see* Lewis, J.E. 9—83078
Ho, P.S. *see* Olowolafe, J.O. 9—56308
Ho, P.S. *see* Tan, T.Y. 9—69012, 9—73098
Ho, P.-T. Coherent pulse generation with a GaAlAs laser by active modelocking 9—89941
Ho, P.-T., Glasser, L.A., Ippen, E.P., Haus, H.A. Picosecond pulse generation with a CW GaAlAs laser diode 9—50329
Ho, P.T.P. *see* Genzel, R. 9—92836
Ho, T.-L. The screening effect and nucleation of coreless vortices in superfluid ^{3}He-A in stationary and rotation containers 9—69311
Ho, Y.K. Autoionization states of the positronium negative ion 9—81307
Ho, Y.K. The n=4 resonances for H^-, He and Li^+ systems 9—97995
Ho Ahn Sang *see* Sang Ho Ahn
Ho Bo-yu Angular momentum operator of non-Abelian gauge field monopole 9—58865
Ho Chan, P.Ching *see* Ching Ho Chan, P.
Ho Fun Gau *see* Fun Gau Ho
Ho Jiahua *see* Chao Jiping 9—84446
Ho Kai-Ming *see* Kai-Ming Ho
Ho Phan Xuan *see* Phan Xuan Ho
Ho Suck Dong *see* Dong Ho Suck
Ho Tso-Hsiu *see* Zou Zhenlong 9—80493
Ho Wu-Lieh *see* Wu-Lieh Ho
Ho-Let Lo, Wei Gung The increasing of the coercivity of γ-Fe_2O_3 powder by epitaxial Co-doping 9—82833
Ho-Lun Lee Analysis of pseudo-continuum mass transfer in media with spatially periodic boundaries 9—86500
Ho-Ting-Hun, J. *see* Oitmaa, J. 9—93051
Hoang, T.F., Chew, C.K., Phua, K.K. Equilibrium temperature in particle production 9—49540
Hoang, T.F., Chew, C.K., Phua, K.K. Multiplicity and asymmetric fireballs from π^+p, K^+p, γp, e^-p, and μ^-p reactions 9—93474
Hoang Binh, D., Prud'homme, M., van Regemorter, H. The calculation of oscillator strengths and multipole radial integrals in the Coulomb approximation 9—63959
Hoang The Giam *see* Ai, B. 9—87381
Hoang The Giam *see* Bui Ai 9—67346
Hoang Xuan Nguyen *see* Riede, V. 9—82974
Hoare, J.P. On the mechanisms of chromium electrodeposition 9—60648
Hoare, M.R., Rahman, M. Distributive processes in discrete systems 9—80504
Hoare, M.R. *see* Cooper, R.D. 9—88875
Hoare, M.R. *see* Meester, G.T. 9—70695
Hoath, S.D. *see* Batty, C.J. 9—76535, 9—98253
Hoath, S.D. *see* Burcham, W.E. 9—93619
Hoath, S.D. *see* Davies, J.D. 9—55008, 9—86088
Hobart, M.A. *see* Anderson, R.N. 9—79812
Hobbins, J.C. *see* Deter, R.L. 9—66582
Hobbins, R.R. *see* Croucher, D.W. 9—49745
Hobbins, R.R. *see* Mehner, A.S. 9—49744
Hobbs, B.A. *see* Parkinson, W.D. 9—79739
Hobbs, C.W. *see* Bullard, R.L. 9—77619
Hobbs, L.M. The velocity distribution of interstellar titanium toward ζ Persei 9—53877
Hobbs, L.W. Application of transmission electron microscopy to radiation damage in ceramics 9—86816
Hobbs, P.V. Organization and structure of clouds and precipitation on the mesoscale and microscale in cyclonic storms 9—74946
Hobbs, P.V., Radke, F., Politovich, M.K. Comments on 'The practicability of dry ice for on-top seeding of convective clouds' [by Holroyd et al.] 9—84395
Hobbs, P.V., Rangno, A.L. A reanalysis of the Skagit Cloud Seeding Project 9—79949
Hobbs, P.V. *see* Houze, R.A., Jr. 9—88437
Hobbs, R.H. *see* Hinchen, J.J. 9—55128
Hobbs, R.H. *see* Michels, H.H. 9—98112
Hobbs, R.W. *see* Feibelman, W.A. 9—92821
Hobbs, T.I. *see* Lewis, B.R. 9—98120
Hobday, P.A. *see* Parker, R.P. 9—83943
Hobert, H. *see* Klostermann, K. 9—92002
Hobill, D.W. *see* Cooperstock, F.I. 9—75422
Hoblitt, R. *see* Rosenbaum, J. 9—88989
Hobson, D.O. *see* Thoms, K.R. 9—54513
Hobson, J.P., Kornelsen, E.V. UHV technique for intervacuum sample transfer 9—85147
Hobson, J.P. *see* Chapman, R. 9—93156
Hobson, L. *see* Harry, J.E. 9—50906, 9—94832
Hobson, R.M. *see* Jen-Shih Chang 9—86613
Hobson, R.M. *see* Ogram, G.L. 9—60191
Hobson-Frohock, A. *see* Heaney, R.K. 9—70407
Hobza, P. *see* Lochmann, R. 9—63930
Hoch, M.J.R., Day, A.R. Imaging of paramagnetic centres in diamond 9—65732
Hochberg, A., Tanaka, T., Nicoli, D. Spinodal line and critical point of an acrylamide gel 9—79315
Hochberg, Y. *see* Ishay, J.S. 9—88094
Hoche, H.R. *see* Brummer, O. 9—86646
Hochli, U.T., Boatner, L.A. Quantum ferroelectricity in $K_{1-x}Na_xTaO_3$ and $KTa_{1-y}Nb_yO_3$ 9—99835
Hochli, U.T., Weibel, H.E., Boatner, L.A. Stabilisation of polarised clusters in $KTaO_3$ by Li defects: formation of a polar glass 9—91342
Hochman, D. *see* Eisenberg, Y. 9—54367, 9—75804
Hochmann, J. Observation of the coherent diamagnetic fraction by measurements in low transverse fields 9—57278
Hochmann, J., Rosanske, R.C., Levy, G.C. Use of a modified DEFT pulse sequence in ^{13}C NMR: dynamic range improvement for relaxation experiments and dynamic NMR measurements at high resolution 9—93191
Hochmann, J. *see* Percival, P.W. 9—57277
Hochmuth, R.M., Worthy, P.R., Evans, E.A. Red cell extensional recovery and the determination of membrane viscosity 9—57683
Hochst, H. *see* Steiner, P. 9—65980, 9—100025
Hochstrasser, R.M. *see* Abram, I.I. 9—86852
Hochstrasser, R.M. *see* Greene, B.I. 9—57252, 9—91975, 9—92150
Hochweller, G., Frese, H. Tools for man machine communication in the PETRA Control System 9—72084
Hochweller, G. *see* Frese, H. 9—72083, 9—72085
Hock, J.L., Craig, J.H., Jr., Lichtman, D. Negative ion ESD from hydrogen on tungsten 9—86999
Hock, J.L., Craig, J.H., Jr., Lichtman, D. Electron stimulated desorption of O^+ and O^- from oxygen chemisorbed on tungsten 9—90875
Hock, R. *see* Eickelpasch, N. 9—59229
Hocken, R.J. *see* Moldover, M.R. 9—58667
Hocker, G.B. Fiber-optic sensing of pressure and temperature 9—72671
Hocking, L.M., Moore, D.W., Walton, I.C. The drag on a sphere moving axially in a long rotating container 9—50734
Hocking, W.H., Winnewisser, G., Churchwell, E., Percival, J. A search for CaO at mm-wavelengths in stars and molecular clouds 9—71090
Hocking, W.K. Angular and temporal characteristics of partial reflections from the D-region of the ionosphere 9—66858
Hockney, D. The significance of a hidden variable proof and the logical interpretation of quantum mechanics 9—71271
Hockney, R.W. The large parallel computer and University research 9—54114
Hockney, R.W. *see* Amini, M. 9—65173
Hoclet, M., Plumelle, P., Vandevyver, M., Triboulet, R., Marfaing, Y. Lattice dynamics of Cd-rich $Cd_{1-x}Hg_xTe$ alloys 9—55853
Hocquart, R. *see* Scrivener, O. 9—60034
Hodakov, E. *see* Venikov, N. 9—54651
Hodeau, J.L., Marezio, M. Structural aspects of the metal-insulator transitions in $(Ti_{0.9975}V_{0.0025})_4O_7$ 9—86752
Hodge, E.A. The techniques of calibrating low flow rates with particular reference to VA meters 9—68847
Hodge, G.A. *see* Ahlman, R.S. 9—67991, 9—72012
Hodge, J.K., Stone, A.L., Miller, T.E. Numerical solution for airfoils near stall in optimized boundary-fitted curvilinear coordinates 9—77156
Hodge, L.A., Dunning, F.B., Walters, G.K., White, R.H., Schroepfer, G.J., Jr., Bonner, W.A., Yearian, M.R., Van Dort, M.A. Degradation of DL-leucine with longitudinally polarised electrons 9—79474
Hodge, P.E., Aller, H.D. Circular polarisation and the magnetic dipole model 9—53926
Hodge, P.E. *see* Benvenuti, P. 9—71048
Hodge, P.W. The open star clusters of M31 and its spiral structure 9—75270
Hodges, C.H. Tight-binding theory of alloy heats of formation: a moments approach 9—61891
Hodges, C.H. *see* Weaire, D. 9—65413
Hodges, D.T. *see* Danielewicz, E.J. 9—94220
Hodges, R.R. *see* Hoffman, J.H. 9—88563
Hodges, T.A. *see* Burgerjon, J.J. 9—76222
Hodgkinson, D.P., Briggs, J.S. Rate equations for multi-photon excitation in strong fields 9—81185
Hodgkinson, J.Z., Howes, J.H., Totterdell, D.H.J. Non-linearity effects in the response of cadmium telluride nuclear radiation detectors 9—93878
Hodgkiss, W.S. Adaptive array processing: time vs. frequency domain 9—59874
Hodgson, E.R., Delgado, A., Alvarez Rivas, J.L. In-beam studies of M-centre production processes in NaCl 9—55737
Hodgson, J.P. *see* Johannesen, N.H. 9—64683
Hodgson, P.E. Microscopic optical potentials 9—97691
Hodgson, P.E. *see* Brown, B.A. 9—85361
Hodgson, R. *see* Tsu, R. 9—77613
Hodgson, R.T. *see* Liu, P.L. 9—87529
Hodgson, R.T. *see* Tsu, R. 9—60400
Hodorowicz, S. *see* Kuznetsov, D.A. 9—99095
Hodorowicz, S.A., Treivus, E.B. The growth kinetics of urea monocrystals from aqueous solution 9—99092
Hodson, A.L. *see* Hazen, W.E. 9—62703
Hodson, S.W. *see* Cox, A.N. 9—67021, 9—97004
Hoebbel, D. *see* Smolin, Yu.I. 9—94996
Hoeborn, D. State equations for bonded bodies on the basis of a two-component continuum 9—90143
Hoefker, U., Jesorsky, P., Kriener, B., Talmi, M., Wesseling, D. A new system for authentication of voice 9—94423
Hoefs, E. *see* Heidberg, J. 9—69914
Hoeft, J.E. *see* Vroom, J.P. 9—97784
Hoegh Krohn, R. *see* Albeverio, S. 9—63361
Hoegh-Krohn, R. *see* Albeverio, S. 9—67469, 9—89053, 9—93085
Hoegy, W.R., Dyson, P.L., Wharton, L.E., Spencer, N.W. Neutral atmospheric waves determined from Atmospheric Explorer measurements 9—58139
Hoehn, M.V. *see* Yamazaki, Y. 9—64123
Hoehn, R.C. *see* Randall, C.W. 9—57508
Hoehne, W.E. Standards for meteorology 9—66746
Hoek, M.J.van der *see* van der Hoek, M.J.
Hoek, W.J.van den *see* van den Hoek, W.J.
Hoekstra, B. Spin wave resonance studies of inhomogeneous La, Ga: YIG epitaxial films 9—99773
Hoekstra, K.E. *see* Duckworth, W.H. 9—96233
Hoekstra, R. *see* De Jager, C. 9—70955
Hoekstra, R. *see* Kondo, Y. 9—70954
Hoeld, A. *see* Beraha, D. 9—97860
Hoelzl, J. *see* Ashley, J.C. 9—95058
Hoen, N. *see* Heikens, D. 9—57088
Hoenders, B.J. On the inversion of an integral equation relating two wavefunctions in planes of an optical system suffering from an arbitrary number of aberrations 9—98304
Hoenders, B.J., Baltes, H.P. The scalar theory of nonradiating partially coherent sources 9—64189
Hoenders, H.J., Kramps, J.A., Wollensak, J. Protein composition of nuclear cataractous lenses 9—62236
Hoene, E. Ultrasonic flowmeter: frequency difference method—design, principle of operation and experience 9—68851
Hoenig, A. Electric conductivities of a cracked solid 9—91117
Hoenig, H.E. Practical cryostats for laboratory courses in superconductivity 9—58494
Hoenig, H.E. *see* Binnig, G. 9—56403, 9—58702
Hoenig, M.O. Design and development of the US-TESPE toroidal coil 9—54223
Hoenig, S.A. Keeping dust off optical components 9—76888
Hoenselaers, C., Vishveshwara, C.V. A relativistically rotating fluid cylinder 9—50815

Hoentzsch, C., Spaeth, J.M. ESR study of interstitial atomic hydrogen in alkali fluorides 9—56609
Hoeppner, D.W. *see* Poon, C. 9—61775
Hoeppner, T.J. *see* de Toledo-Morrell, L. 9—74624
Hoessel, J.G., Elias, J.H., Wade, R.A., Huchra, J.P. A near infrared photographic survey of the galactic plane 9—62911
Hoessel, J.G. *see* Wade, R.A. 9—62759
Hof, C.A.van 't *see* van 't Hof, C.A.
Hofbauer, P. *see* Betz, H. 9—88965
Hofberger, W. *see* Hofmann, J. 9—52006
Hofer, J. Optical reconstruction from projections via deconvolution 9—55070
Hofer, W.O., Littmark, U. A theoretical treatment of cascade mixing in depth profiling by sputtering 9—78811
Hoff, A.J. Applications of ESR in photosynthesis 9—92450
Hoff, F. Analytical expressions for and geometrical meaning of the comparative indices of recording media 9—89870
Hoff, H.A. *see* Lam, N.Q. 9—60351
Hoff, P.W. *see* Rhodes, C.K. 9—81441
Hoff, R.M., Froude, F.A. Lidar observation of plume dispersion in northern Alberta 9—83679
Hoff, W.D. *see* Gummerson, R.J. 9—98840
Hoffer, E.M., Kothny, E.L., Appel, B.R. Simple method for microgram amounts of sulfate in atmospheric particulates 9—83685
Hoffer, J.M. Thermal water occurrences in Trans-Pecos, Texas 9—74923
Hoffer, P.B. *see* Johnstone, D.E. 9—100714
Hofferberth, B. *see* Matakas, F. 9—83837
Hoffert, M. *see* Monaco, A. 9—62482
Hoffert, W.J. *see* Fazio, M.V. 9—67981
Hoffman, A.H. *see* Grigg, P. 9—92212
Hoffman, A.L. High field laser heated solenoids 9—60161
Hoffman, A.L. *see* Lowenthal, D.D. 9—75581
Hoffman, C. *see* Nagle, D.E. 9—63499
Hoffman, C.M. *see* Carrington, R.L. 9—76257
Hoffman, C.M. *see* Nagle, D.E. 9—63500
Hoffman, D.K., Chan, C., Kouri, D.J. On the factorization and parameterization of scattering information 9—89735
Hoffman, D.K., Kouri, D.J., Top, Z.H. Kinetic theory of reacting fluid mixtures. I. The BBGKY hierarchy in arrangement channel quantum mechanics 9—70299
Hoffman, D.W., Thornton, J.A. Effects of substrate orientation and rotation on internal stresses in sputtered metal films 9—77968
Hoffman, E.J., Quinn, J.G. Gas chromatographic analyses of Argo Merchant oil and sediment hydrocarbons at the wreck site 9—83645
Hoffman, E.J. *see* Phelps, M.E. 9—66525
Hoffman, E.W. An innovative spin precessor for intermediate energy protons 9—68097
Hoffman, E.W., Macek, R.J., van Dyck, O., Lee, D., Harvey, A., Bridge, J., Caine, J. High intensity beam profile monitors for the LAMPF primary beam lines 9—72154
Hoffman, E.W. *see* Anderson, R.E. 9—85502
Hoffman, E.W. *see* Macek, R.J. 9—72014
Hoffman, E.W. *see* van Dyck, O.B. 9—71994
Hoffman, F.O. *see* Shaeffer, D.L. 9—83950
Hoffman, G.L. *see* Maenhaut, W. 9—79937
Hoffman, H. *see* Bayreuther, G. 9—69700
Hoffman, J. On a certain method of indicating the adaptive regulator in the temperature control system of superheated steam of the energetic block 9—75518
Hoffman, J.H., Hodges, R.R., Duerksen, K.D. Pioneer Venus large probe neutral mass spectrometer 9—88563
Hoffman, J.H. *see* Constantinides, E.R. 9—96847
Hoffman, J.H. *see* Torr, D.G. 9—58141, 9—96848, 9—96856
Hoffman, J.M., Patterson, E.L., Gerber, R.A. Energy extraction from a large-volume HF laser amplifier 9—86174
Hoffman, K.A. Behavior of the geodynamo during reversal: a phenomenological model 9—88240
Hoffman, L.C. *see* Moise, J.C. 9—53286
Hoffman, M.A. Convective helium cooling of grids in continuously operated neutral beam injectors 9—81083
Hoffman, M.A., Potts, W.W. Experimental behavior of falling liquid films at high surface tension numbers 9—94587
Hoffman, N.J., McDowell, M.W. Systems for protective lithium falls in commercial laser fusion plants 9—85785
Hoffman, R.A. *see* Lin, C.S. 9—75019
Hoffman, R.C., Sherman, J. Effect of cladding coating and internal pressurization on fuel-cladding interaction inferred from rod overall length changes 9—54581
Hoffman, R.F., Payne, R.F., Turner, J.H. Dynamic radionuclide venogram correlation with radiographic contrast venography 9—96655
Hoffman, R.W. *see* Anderson, C.R. 9—80735, 9—91329
Hoffman, R.W. *see* Hagerling, C.W. 9—87700
Hoffman, R.W. *see* Jansen, F. 9—69381
Hoffman, S. Investigation into surface segregation using Auger-electron spectroscopy 9—56981
Hoffman, T.J., Westfall, R.M., Petrie, L.M., Fraley, S.K. Monte Carlo radiative heat transfer to spent-fuel shipping casks 9—59193
Hoffman, V. The sputtered indium tin oxide film 9—59778
Hoffmann, A., Livolant, M., Roche, R. Recent methods of structural analysis for nuclear reactors—CEASEMT computer codes 9—97911
Hoffmann, B. Comment on 'A systematic experimental and theoretical investigation of the grain-boundary resistivities of n-doped $BaTiO_3$ ceramics' 9—56235
Hoffmann, B. *see* Janitzki, A.S. 9—100094
Hoffmann, C.R. *see* Ormrod, J.H. 9—54657
Hoffmann, D., Pietsch, R., Kummer, J. A pocket computer frequency-controlled NQR spectrometer 9—80655
Hoffmann, D.H.H. *see* Genz, H. 9—98228
Hoffmann, D.J. *see* Collins, E.A. 9—92007
Hoffmann, E., Flak, H. Measurements of reflective scattering and of reflectance in the vacuum ultraviolet of MgF_2-overcoated aluminium mirrors 9—86227
Hoffmann, E., Ludke, C., Falk, H. Comparison of different light sources in the wavelength range from 120 to 200 nm 9—85186
Hoffmann, G., Lorinczy, A., Nemeth-Sallay, M., Szep, I.C. Room temperature transformations in SiO_2 layers induced by chemical compounds. II 9—99456
Hoffmann, G., Puskas, L., Lorinc, M., Nagy, A. Determination of the phosphorus content of doped SiO_2 films by IR absorption and activation analysis 9—51139
Hoffmann, G.W. *see* Adams, G.S. 9—80915
Hoffmann, G.W. *see* Ray, L. 9—63669
Hoffmann, H. Magnetic properties of thin ferromagnetic films in relation to their structure 9—91270
Hoffmann, H., Owen, A.J., Schrope, F. Electron microscopy of evaporated and sputtered Gd/Co and Ho/Co films 9—56578
Hoffmann, H., Tagesson, B., Ulbricht, W. The influence of perfluorinated counter-ions on the thermodynamics and kinetics of the micelle formation of cationic surfactants 9—74423
Hoffmann, H. *see* Fischer, G. 9—91160
Hoffmann, H. *see* Glinsky, H.W. 9—97866
Hoffmann, H. *see* Hafner, D. 9—65698
Hoffmann, H.-J. On the density of localized levels in amorphous silicon 9—56168
Hoffmann, H.-J. Defect-level analysis of semiconductors by a new differential evaluation of n(1/T)-characteristics 9—73464
Hoffmann, H.-J., Reisser, H. Investigation of trap levels in GaAs Schottky diodes by admittance spectroscopy 9—51672
Hoffmann, H.-J. *see* von Zahn, U. 9—80255
Hoffmann, J. *see* Rybnikar, F. 9—65008
Hoffmann, K. *see* Bothe, W. 9—68000
Hoffmann, M. *see* Brosche, P. 9—88710
Hoffmann, M. *see* Giclas, H.L. 9—101118
Hoffmann, M. *see* Gieseking, F. 9—71044
Hoffmann, P. *see* Helas, G. 9—70402
Hoffmann, S.K., Goslar, J. Dynamical effects in EPR spectra of Cu(II) doped tetra-ammine cadmium chloride and acetate 9—61204
Hoffmann, V., Morgner, H. Interpretation of the angular distribution of electrons emitted in Penning ionisation of argon by metastable helium 9—89763
Hoffmann, W. *see* Drijard, D. 9—89198
Hoffmann, W.F. *see* Harvey, P.M. 9—53808
Hoffmann-Ostenhof, T. Lower and upper bounds to the decay of the ground state one-electron density of helium-like systems 9—76337
Hoffmeister, N. Brunsbuttel [nuclear power station] incident—events, experience 9—89388
Hoffnagle, G.F., Dunlap, R. Industrial expansion and the 1977 Clean Air Act Amendments 9—79426
Hoffswell, R.A. *see* Axel, P. 9—72042
Hofheimer, H. *see* Coester, J.Y. 9—58791
Hofker, U., Jesorsky, P. Structure and performance of an on-line speaker verification system 9—64433
Hofker, W.K., Eggermont, G.E.J., Tamminga, Y., Oosthoek, D.P. The removal of implantation damage in silicon by laser irradiation and its thermal stability 9—74024
Hofker, W.K., Oosthoek, D.P., Eggermont, G.E.J., Tamminga, Y., Stacy, W.T. Laser irradiation of silicon containing misfit dislocations 9—83063
Hofker, W.K. *see* Eggermont, G.E.J. 9—69131
Hofling, R. *see* Gasser, W. 9—60740
Hofman, G.L. *see* Flinn, J.E. 9—67864
Hofmann, A., Hubner, K., Zotter, B. A computer code for the calculation of beam stability in circular electron machines 9—72099
Hofmann, A., Pedersen, F. Bunches with local elliptic energy distributions 9—76565
Hofmann, A., Schnapper, C. Heat transport with helium in rotating thermosiphon loops 9—58718
Hofmann, A. *see* Borer, J. 9—72151
Hofmann, A. *see* Bossart, R. 9—86119
Hofmann, A. *see* Ciapala, E. 9—76194
Hofmann, A. *see* Schneider, S. 9—89284
Hofmann, A. *see* Stumm, J. 9—93636
Hofmann, D.J. *see* Rosen, J.M. 9—53445, 9—79956
Hofmann, F. New development in magnetic flow measurement using keyed D.C.-field 9—68887
Hofmann, F. Magnetic flowmeter with capactive signal pick-off 9—72978
Hofmann, H. *see* Fischer, J. 9—74398
Hofmann, H. *see* Hertel, I.V. 9—89750
Hofmann, H. *see* Schmidt, L.-P. 9—58755
Hofmann, H.M. Absorption effects in π-He-scattering in the resonance region 9—76036
Hofmann, H.M. Microscopic calculation of pion scattering and pion absorption in ^{4}He 9—85501
Hofmann, H.M. *see* Dillig, M. 9—85428
Hofmann, I. Fluid and Vlasov stability of intense ion beams in periodic channels 9—76225
Hofmann, I. *see* Andelfinger, C. 9—76162
Hofmann, I. *see* Dommaschk, W. 9—54622
Hofmann, J., Muller, B., Greiner, W. Phase transitions and shock waves in nuclei 9—49594
Hofmann, J., Seefeld, K.P., Hofberger, W., Bassler, H. Excimers in solid non-crystalline anthracene 9—52006
Hofmann, J.R. Implicit compact difference method for solving linearized fuel sweepout equations 9—89355
Hofmann, M., Leutwyler, S. Matrix isolation/aggregation of sodium atoms and molecules formed in a supersonic nozzle beam 9—76439
Hofmann, M. *see* Brefeld, W. 9—63826, 9—68002
Hofmann, M. *see* Herrmann, A. 9—50031
Hofmann, P., Horn, K., Bradshaw, A.M., Jacobi, K. The adsorption and condensation of oxygen on aluminium at low temperature 9—60635
Hofmann, P. *see* Thummler, F. 9—49692
Hofmann, R. *see* Hennecke, M. 9—51655
Hofmann, S., Faust, W., Munzenberg, G., Reisdorf, W., Armbruster, P. Alpha decay studies of very neutron deficient isotopes of Hf, Ta, W, and Re 9—63636
Hofmann, S., Zalar, A. Electron beam effects during the sputter profiling of thin Au/Ag films analysed by Auger electron spectroscopy 9—65347
Hofmann, S., Zalar, A. Auger electron spectroscopy depth profiling of Ni/Cr multilayers by sputtering with N_2^+ ions 9—95881
Hofmann, S. *see* Kirchheim, R. 9—69354
Hofmann, S. *see* Marx, D. 9—76241
Hofmann, S. *see* Munzenberg, G. 9—49893
Hofmann, S. *see* Schlichting, J. 9—74298
Hofmann, W., Spengler, J., Wegener, D., Krolzig, A., Schmidt-Parzefall, W., Schubert, K.R. Electron energy and position measurement using lead-scintillator calorimeters with a new light collection system 9—76273
Hofmann, W. *see* Drijard, D. 9—80853, 9—89150
Hofmann, W. *see* Ruegg, K. 9—56666
Hofmeister, W., Tillmanns, E. The crystal structure of barium titanate $Ba_2Ti_{5.5}O_{13}$ 9—73148
Hofmeyr, C., Mayer, R.M., Tillwick, D.L. The small-angle neutron scattering facility at the SAFARI-1 reactor 9—50951
Hofschreuder, P. *see* Plomp, A. 9—83684
Hofstadter, R. *see* Carrington, R.L. 9—76257
Hofstadter, R. *see* Chestnut, R. 9—89531
Hofstadter, R. *see* Heath, R.L. 9—72197
Hofstadter, R. *see* Trombka, J. 9—80373
Hofstaetter, A., Oeder, R., Scharmann, A., Schwabe, D. Intrinsic hole centres in $Cd_xCa_{1-x}MoO_4$ mixed crystals 9—99957
Hofstein, A., Ben-Zvi, R., Samuel, D. A comparative study of cognitive preferences of different groups of chemistry students 9—48985
Hofstetter, K.J., Henderson, B.C., Gray, J.H., Huff, G.A. Nondestructive assay of leached hulls in a nuclear fuel reprocessing plant 9—81070
Hofstetter, K.J., Stroube, W.B., Henderson, B.C., Huff, G.A. On-line radiation monitoring program at a nuclear fuel reprocessing plant 9—85731
Hoften, J.D.A.van *see* van Hoften, J.D.A.
Hoftiezer, J.H., Mutchler, G.S., Witsch, W., Dragoset, W.H., Furic, M., Judd, D.M., Pepin, G.P., Duck, I.M., Clement, J.M., Phillips, G.C., Allred, J.C., Hungerford, E.V., Mayes, B.W., Pinsky, L.S., Williams, T.M. Pion induced deuteron breakup at 350 MeV/c 9—85509
Hog, E. We need parallaxes from space and from ground. Supplementing Pierre Connes' remarks 9—66992
Hogaasen, H., Sorba, P. A new stable dibaryon 9—67519
Hogaasen, H. *see* De Crombrugghe, M. 9—89119
Hogan, A.W., Barnard, S. Seasonal and frontal variation in Antarctic aerosol concentrations 9—70855
Hogan, A.W. *see* Slinn, W.G.N. 9—62544
Hogan, C.J. A model of pregalactic evolution 9—92863
Hogan, C.J., Rees, M.J. Spectral appearance of non-uniform gas at high z 9—92898
Hogan, D.C. *see* Baker, P.L. 9—76592
Hogan, G.E. Design of a fast mass dependent trigger 9—97954

Hogan, G.E., Anderson, K.J., Coleman, R.N., Karhi, K.P., McDonald, K.T., Newman, C.B., Pilcher, J.E., Rosenberg, E.I., Sanders, G.H., Smith, A.J.S., Thaler, J.J. Comparison of muon-pair production to the quark-antiquark annihilation model 9−63552
Hogan, G.E. *see* Anderson, K.J. 9−67612
Hogan, G.E. *see* Newman, C.B. 9−63553
Hogan, J.T. The accessibility of high-beta Tokamak states 9−64829
Hogan, P.A. Equations of motion in linearised gravity: IV. External fields 9−93005
Hogan, P.A., Imaeda, M. Equation of motion in linearised gravity. I. Uniform acceleration 9−71308
Hogan, P.A., Imaeda, M. Equations of motion in linearised gravity. II. Run-away sources 9−71309
Hogan, P.A., Imaeda, M. On the motion of sources of some Robinson-Trautman fields 9−71329
Hogan, P.A., O'Brien, G.M. On the motion of rotating bodies in linearized gravity 9−85020
Hogan, S., Wagner, S., Barnes, F.S. Resistivity measurement of thin semiconductor films on metallic substrates 9−95522
Hogan, S.J. Some effects of surface tension on steep water waves 9−55398
Hogan, W.W. Energy modeling: building understanding for better use 9−83578
Hogarth, C.A., Ghauri, M.A. The preparation of cadmium phosphate and cadmium zinc phosphate glasses and their electrical and optical properties 9−70033
Hogarth, C.A. *see* Elahi, M. 9−82866
Hogarth, C.A. *see* Iobal, T. 9−95535
Hogarth, C.A. *see* Khan, M.I. 9−82650
Hogbom, J.A. A study of the radio galaxies 3C 111, 192, 219, 223, 315 and 452 9−58416
Hoge, F.E. *see* Leonard, D.A. 9−80036
Hoge, H.J. Comparison of circuits for linearizing the temperature indications of thermistors 9−49230
Hogervorst, A., Peterse, W.J.A.M., de Wolff, P.M. Modulation wave form for Na_2CO_3 9−95157
Hogervorst, W. High-resolution laser spectroscopy of atomic beams 9−50166
Hogervorst, W. *see* Zaal, G.J. 9−54790
Hogg, B.G., Paulin, R., Troev, T.D. Detection of nitrogen impurities in aluminium by positron annihilation 9−65777
Hogg, D. *see* Gregory, P.C. 9−88755
Hogg, D.C., Guiraud, F.O. Microwave measurements of the absolute values of absorption by water vapour in the atmosphere 9−66773
Hogg, R.D. *see* Dorshow, R. 9−99366
Hogge, C.B. *see* Loos, G.C. 9−96810
Hogmoen, K. *see* Lokberg, O.J. 9−53205, 9−85167
Hognestad, H. *see* Bjor, O.-H. 9−68518
Hogo, H. *see* Whitten, G.Z. 9−52983
Hogstrom, A.O.S. *see* Hogstrom, U. 9−53419
Hogstrom, K. *see* Paciotti, M. 9−79629
Hogstrom, K.R. *see* Somers, J. 9−89564
Hogstrom, U. Initial dry deposition and type of source in relation to long distance transport of air pollutants 9−83667
Hogstrom, U., Enger, L., Svedung, I. A study of atmospheric mercury dispersion 9−92565
Hogstrom, U., Taesler, R., Karlsson, S., Enger, L., Hogstrom, A.O.S. The Uppsala urban meteorology project 9−53419
Hoh, S., Fujinami, H. The effects of space charge on flashover voltage 9−50917
Hoh, S., Katahara, S., Fujinami, H., Noda, M. Experimental equations of corona current in point to plane electrodes 9−50918
Hoh, Y.-S. *see* Flaud, J.-M. 9−72308
Hoheisel, C., Zeidler, M.D. The radial pair-distribution function of liquid $CHCl_3$ 9−77476
Hohenberg, C.M. *see* Bernatowicz, T.J. 9−79761
Hohenberger, M. *see* Negin, M. 9−83977
Hohenemser, C. *see* Suter, R.M. 9−73732
Hohener, A., Muller, L., Ernst, R.R. Dipole-coupled carbon-13 spectra, a source of structural information on liquid crystals 9−99073
Hohenstein, H. *see* Frey, U. 9−51894
Hohkawa, K., Yoshikawa, S. Surface acoustic wave oscillator with maximally flat temperature coefficient 9−81613
Hohl, F., Zang, T.A. Collapse and relaxation of rotating stellar systems 9−62902
Hohla, K. *see* Diegelmann, M. 9−76674
Hohle, H.-M. *see* Steffens, H.-D. 9−83359
Hohler, G., Kaiser, F., Staudenmaier, H.M. Is the π^-p diffraction peak compatible with the unitary bounds? 9−97610
Hohlfeld, C. *see* Alekseevskii, N.E. 9−51710
Hohlneicher, G., Dick, B. Two-photon spectroscopy of dipole-forbidden transitions. II. Calculation of two-photon cross sections by the CNDO-CI method 9−81244
Hohlneicher, G. *see* Freund, H.-J. 9−74050
Hohmann, G.W., Vanvoorhis, G.D., Nelson, P.H. A vector EM system and its field applications 9−84499
Hohne, E. *see* Reck, G. 9−51095
Hohne, J. *see* von Hartrott, M. 9−73849
Hohne, K.H. Encoding and analysis of X-ray image series 9−83928
Hohne, K.H., Bohm, M., Erbe, W., Nicolae, G.C., Pfeiffer, G., Sonne, B. Computer angiography: a new tool for X-ray functional diagnostics 9−79640
Hohne, M. *see* Gutschie, B. 9−87920
Hohne, W. A system for computer coupling of spectrometers with high data rates 9−49212
Hohnston, A. *see* Kemper, K.W. 9−59082
Hoi-Qun Guo *see* Guo Hoi-Qun
Hoidale, G.B. *see* Pinnick, R.G. 9−58086
Hoihjelle, D.L. *see* Pinnick, R.G. 9−58086
Hoinghaus, K. *see* Hansen, I. 9−64036
Hoinkes, H. *see* Drechsler, M. 9−90862
Hoinkes, H. *see* Joite, S. 9−83087
Hoistad, B. Pion production in proton-nucleus collisions 9−75991
Hoistad, B., Adams, G.S., Gazzaly, M., Igo, G., Irom, F. Measurements of the reactions ^{9}Be(p,$\pi^\pm$) at 800 MeV 9−89274
Hoistad, B., Dahlgren, S., Johansson, T., Jonsson, O. Experimental and theoretical studies of positive pion production on ^{10}B and ^{40}Ca by 163-186 MeV protons 9−59061
Hoistad, B. *see* Anderson, R.E. 9−85502
Hoistad, B. *see* Kallne, J. 9−85503
Hoistad Bo *see* Bo Hoistad
Hojer, G. Two-parameter exponential-type basis functions for atomic calculations 9−63889
Hojo, A. *see* Chatani, A. 9−100304
Hojo, J., Tajika, M., Kato, A. Molybdenum carbide powders obtained from the vapor phase reaction of the $MoCl_4$-CH_4-H_2 system 9−100068
Hojo, J. *see* Okabe, Y. 9−70030
Hojo, N. *see* Hayashi, S. 9−83457
Hojvat, C., Ankenbrandt, C., Brown, B., Cosgrove, D., Garvey, J., Johnson, R.P., Joy, M., Lackey, J., Meisner, K., Schmitz, T., Teng, L., Webber, R.C. The multiturn charge exchange injection system for the Fermilab Booster accelerator 9−67971
Hojvat, C., Joy, M., Webber, R.C. Stripping foils for multiturn charge exchange injection into the Fermilab booster 9−68099
Hojvat, C., Meisner, K.G., Ohnuma, S., Ruggiero, A.G. Deceleration of antiprotons in the Fermilab booster 9−72102
Hojvat, C. *see* Webber, R.C. 9−67976
Hokari, Y. Secondary defect generation suppression and diffusivity restraint in heavily phosphorus implanted silicon by HCl oxidation 9−70191
Hoki, N., Kajiya, F. Blood flow distribution within myocardium 9−96590
Hoki, N. *see* Kajiya, F. 9−70609
Hokland, B.K. *see* Bungum, H. 9−74855
Hokoc, H.N. *see* Oswaldo-Cruz, E. 9−62243
Holan, S. *see* Dumitrescu, T. 9−75925
Holberg, J. *see* Kumar, A.L. 9−96970
Holbourn, P.E., Player, M.A., Woodhams, F.W.D. A microprocessor controlled Mossbauer spectrometer 9−97931
Holclajtner-Antunovic, I., Vukanovic, V., Cadez, V., Georgijevic, V. Axial mass transport and distribution of particles in DC arc plasma 9−86640
Holcomb, L. *see* Sessoms, A.L. 9−63870
Holcombe, C.E. Ternary tantalate compositions 9−99155
Holcombe, J.A., Eklund, R.H., Grice, K.E. Vaporization and atomization of large particles in an acetylene/air flame 9−74445
Holczer, K., Gruner, G., Mihaly, G., Janossy, A. Defect dependence of the dielectric permeability of Qn$(TCNQ)_2$ 9−78608
Holczer, K., Gruner, G., Mihaly, G., Janossy, A. Defect dependence of the dielectric permeability of Qn$(TCNQ)_2$ 9−91340
Holczer, K., Mihaly, G., Gruner, G., Janossy, A. Decrease electronic coherence length by impurities in the quasi-one-dimensional charge transfer salt Qn$(TCNQ)_2$ 9−69501
Holczer, K., Mihaly, G., Gruner, G., Janossy, A. Decrease of electronic coherence length by impurities in the quasi-one-dimensional charge transfer salt Qn $(TCNQ)_2$ 9−73500
Holdahl, S.R., Hardy, R.L. Solvability and multiquadric analysis as applied to investigations of vertical crustal movements 9−79787
Holdeman, L.B., Soulen, R.J., Jr., Finnegan, T.F., Peters, P.N. Superconducting properties of iridium thin films 9−56444
Holden, A.J., Heine, V., Inkson, J.C., Varma, C.M., Bosch, M.A. Theory of finite-frequency local field catastrophe with applications to the spectra of KCN_xKCl_{1-x} 9−51491
Holden, A.L. Non-directional and directional ganglion cells in the pigeon retina 9−57655
Holden, A.V. Information transfer in a chain of model neurones 9−74646
Holden, H.D. *see* Arya, V.K. 9−92635
Holden, J. Ion plating 9−74100
Holden, J.E., Polcyn, R.E. Adding a dimension: an improved approach to nuclear medicine equilibrium measurements of left ventricular function 9−62357
Holden, J.W.Van *see* Van Holden, J.W.
Holden, T.M. *see* Buyers, W.J.L. 9−61112
Holden, T.M. *see* Fawcett, E. 9−73678
Holder, C.H., Jr. *see* Schuessler, H.A. 9−98224
Holder, M. Recent results in inclusive charged-current neutrino-nuclear scattering 9−49506
Holder, M. *see* Brandelik, R. 9−93441
Holder, M. *see* de Groot, J.G.H. 9−49462, 9−49521, 9−75764, 9−85292
Holder, M. *see* Groot, J.G.H. 9−93395
Holderna-Matuszkiewicz, K. On the dielectric properties of Rochelle salt under hydrostatic pressure and near the upper Curie point 9−82935
Holdren, J. *see* Kulcinski, G.L. 9−59114
Holeman, D. *see* Glaros, S.S. 9−81079
Holenstein, H. *see* Bachmann, R. 9−54592
Holgersson, I. *see* Andersson, B. 9−89131
Holian, B.L. *see* Straub, G.K. 9−73253
Holiday, P.R. *see* Kear, B.H. 9−52195
Holinde, K. Potentials in review 9−80815
Holinde, K. *see* Anastasio, M.R. 9−75859
Holinde, K. *see* Bleuler, K. 9−67576
Holje, O.M. *see* Lokberg, O.J. 9−53205
Holl, Y. *see* Legare, P. 9−86985
Holla, D.N., Jain, P.C. Implicit dissipative schemes for solving systems of conservation laws 9−72909
Holla, V. *see* Bawa, S.C. 9−61995
Hollan, L., Durand, J.M. Fast growth in GaAs VPE at low temperature and high partial pressures 9−51446
Holland, D.M.P., Codling, K., Marr, G.V., West, J.B. Multiple photoionisation in the rare gases from threshold to 280 eV 9−85939
Holland, G.N., Heysmond, E. A solid state high-power RF amplifier for pulsed NMR 9−54162
Holland, G.N. *see* Gummerson, R.J. 9−98840
Holland, L. Design and operating characteristics of low pressure plasma systems 9−64880
Holland, L. Low pressure plasmas for surface treatment 9−94824
Holland, L., Ojha, S.M. The growth of carbon films with random atomic structure from ion impact damage in a hydrocarbon plasma 9−83139
Holland, M.B. Power from the Earth 9−70426
Holland, M.B. Plastics coatings 9−96163
Holland, M.G. *see* McAfee, R.D. 9−53191
Holland, O.W. *see* Pronko, P.O. 9−100008
Holland, P.M., Hanley, H.J.M., Gubbins, K.E., Haile, J.M. A correlation of the viscosity and thermal conductivity data of gaseous and liquid propane 9−77332
Holland, R.E. *see* Braid, T.H. 9−60414
Holland, S.P., Garrison, B.J., Winograd, N. Surface structure from angle-resolved secondary-ion mass spectrometry: oxygen on Cu(001) 9−77913
Holland, T.J.B., Norris, R.J. Deformed pillow lavas from the central Hohe Tauern, Austria and their bearing on the origin of epidote-banded greenstones 9−79833
Holland, T.J.B. *see* England, P.C. 9−88350
Holland, U., Luty, F. Pressure tuning of the motional behavior of Li^+, Ag^+, and Cu^+ ions in shallow off-center potentials of alkali halides 9−78718
Holland, U., Wahl, J., Konig, W. Far-infrared absorption of the superionic conductor Li_3N. Temperature and isotope effects 9−51969
Holland-Moritz, E., Wohlleben, D., Loewenhaupt, M. Magnetic line-width of the IV-compound $YbCu_2Si_2$ 9−60775
Holland-Moritz, K., Sausen, E. Vibrational spectra and normal coordinate analysis of isotactic poly(alkyl ethylene)s. I. Modification I of poly(ethyl ethylene) and its deuterated derivatives 9−87434
Holland-Moritz, K., Sausen, E., Djudovic, P., Coleman, M.M., Painter, P.C. Vibrational spectra and normal coordinate analysis of isotactic poly(alkyl ethylene)s. II. Modification I of poly(propyl ethylene) and its deuterated derivatives 9−87435
Hollander, H. *see* Hebel, R. 9−100596
Hollander, W., Schumann, G. Growth of polydisperse aerosol in an adiabatic condensation nuclei counter (CNC) with finite expansion time 9−79306
Hollandsworth, C.E. *see* Eccleshall, D. 9−72024
Hollas, C.L., Newsom, C.R., Riley, P.J., Bonner, B.E., Glass, G. A test of isospin invariance in the np→dπ^0 reaction at 795 MeV 9−75786
Hollas, C.L. *see* Bonner, B.E. 9−67572, 9−75783
Hollaway, L. *see* Ishakian, V.G. 9−91733
Hollax, E. Advanced electrochemical energy sources for space power systems−a review 9−100506
Holle, J. *see* Thoma, H. 9−83877
Hollebeek, H.J. *see* Abrams, G.S. 9−89149
Hollebeek, R.J. *see* Abrams, G.S. 9−89174
Hollebone, B.R., Stillman, M.J. Assignment of absorption and magnetic circular dichroism spectra of solid, α phase metallophthalocyanines 9−73964
Hollenbach, R.E. *see* Grady, D.E. 9−62486
Hollenberg, G.W. *see* Pitner, A.L. 9−93701

Hollenhorst, J.N. Quantum limits on resonant-mass gravitational-radiation detectors 9—63123
Hollick, H. *see* Hammer, J.W. 9—54736
Holliday, B. The management of plutonium workers 9—74763
Holliday, J.H. *see* Hurley, R.E. 9—64955
Hollihn, K.-U. *see* Stephan, G. 9—96624
Hollinger, A.B., Welsh, H.L., Jammu, K.S. High resolution rotation-vibration Raman spectra of benzene. III. The spectrum of C_6D_6 9—64006
Hollingsworth, A. *see* Geleyn, J.F. 9—100940
Hollis, A.A. *see* Hancox, R. 9—71976
Hollis, R.L., Jr. Additive pulses from a bundle of internally stressed magnetostrictive wires 9—99742
Hollister, C.D. *see* Lonsdale, P. 9—62483
Holloway, D.C. *see* Der, V.K. 9—50684
Holloway, G. On the spectral evolution of strongly interacting waves 9—77144
Holloway, H. Quantum efficiencies of thin-film IV-VI semiconductor photodiodes 9—75596
Holloway, H. MBE techniques for IV-VI optoelectronic devices 9—95942
Holloway, J.H. *see* Bougon, R. 9—51062
Holloway, J.H. *see* de Waard, H. 9—65772
Holloway, J.R. *see* Kasper, K.B. 9—57286
Holloway, L.E. *see* Sessoms, A.L. 9—63870
Holloway, P.H., McGuire, G.E. Analysis of grain boundary permeation in solids 9—65253
Holloway, P.H., Nelson, G.C. Preferential sputtering of Ta_2O_5 by argon ions 9—83083
Holloway, P.H. *see* Madden, H.H. 9—77945
Holloway, P.H. *see* Ohuchi, F. 9—83065
Holloway, S. Reflection high-energy electron diffraction from stepped surfaces 9—77881
Holloway, S. Reflection high-energy electron diffraction from an adsorbed monolayer 9—77912
Hollstien, R.B. A material control system simulator [nuclear materials handling] 9—85685
Hollweg, J.V. Some physical processes in the solar wind 9—75071
Hollweg, J.V. A new resonance in the solar atmosphere. I. Theory 9—84768
Hollweg, J.V. *see* Cuperman, S. 9—80184
Holly, J.N. *see* Case, R.O. 9—59950
Holly, S. *see* Massie, N.A. 9—59799, 9—75574
Holly, S. *see* Tarabocchia, M. 9—59728
Holly, S., James, L. *(editor)* Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol.141. Adaptive Optical Components 9—59792
Holm, A. Construction of efficient nuclear event analysis programs using a simple dedicated language 9—89561
Holm, A.V. *see* Gallagher, J.S. 9—53814
Holm, C. Optical thin film production with continuous reoptimization of layer thicknesses 9—76890
Holm, E. *see* Fukai, R. 9—84301
Holm, H.H. *see* Hillman, B.J. 9—53199
Holm, K. *see* Bothe, W. 9—68000
Holm, K. *see* Frese, H. 9—72083
Holm, R.T., Calviello, J.A. Infrared and electrical characterization of multilayered n-type GaAs wagers 9—56293
Holm, R.T. *see* Palik, E.D. 9—77920
Holm, S., Hovem, J.M. Estimation of scalar ocean wave spectra by the maximum entropy method 9—74900
Holm, S., Renberg, P.-U. Magnetic field design for a combined fixed frequency and frequency modulated cyclotron 9—54726
Holm, S. *see* Urban, J.P.G. 9—62276
Holm, U. *see* Bissem, H.H. 9—54712
Holman, C.D. *see* Harrison, R.M. 9—57527
Holman, M. Neutron spectrometry by means of the stilbene spectrometer and hydrogen-filled proportional counters 9—63860
Holman, W.R., Jr. Prioritization methodology for the allocation of public sector R&D investment among unconventional gas resources 9—79365
Holmberg, G.E., Lee, K.H., Crawford, J.H., Jr. EPR and optical studies of γ-irradiated MgO:Ga 9—73809
Holmberg, K. *see* Dreyfert, T. 9—74663
Holmberg, P. *see* Hyvonen-Dabek, M. 9—52838
Holmberg, R.B. Combined heat and mass transfer in regenerators with hygroscopic materials 9—81689
Holmberg, R.C. *see* Agnew, L. 9—68107
Holme, A.E. *see* Buckingham, J.D. 9—63247
Holmer, N.G., Lessem, J., Lindstrom, K. Heart synchronized gamma-camera gating: displaying two heart cycles on one screen [haemodynamic status] 9—53232
Holmes, B.G. *see* Gur, D. 9—59284
Holmes, B.J., Hagston, W.E. Time-evolution of systems and the question of a generalized H-theorem 9—49184
Holmes, B.J., Hagston, W.E. Density matrix description of certain double-resonance experiments (longitudinally detected ESR) 9—82894
Holmes, C. *see* Greatbatch, W. 9—57813
Holmes, C.F. Powering the pacemaker [quality assurance] 9—66584
Holmes, D. *see* Geary, J.M. 9—54181
Holmes, D.E. Fiber optic probe for thermal profiling of liquids during crystal growth 9—68443
Holmes, D.F. *see* Geary, J.M. 9—98422
Holmes, D.R., Meadowcroft, D.B. Techniques and physical principles in corrosion processes 9—83342
Holmes, J.A. *see* Waddell, B.V. 9—64855
Holmes, J.A.G. *see* Broomfield, A.M. 9—97872
Holmes, J.A.G. *see* Craig, E. 9—97766
Holmes, J.B., Morgan, R.M., King, R. Distance measurement with a spectrometer 9—62969
Holmes, J.C. *see* Szuszczewicz, E.P. 9—60108
Holmes, J.F., Kerr, J.R. Research progress on speckle propagation through the turbulent atmosphere 9—66803
Holmes, J.K. *see* Weingartshofer, A. 9—81289
Holmes, J.P. *see* McKenzie, J.M. 9—85679
Holmes, J.T. *see* Otts, J.V. 9—62113
Holmes, M.C. *see* Boden, N. 9—95126
Holmes, N.C. *see* Auerbach, J.M. 9—89946
Holmes, N.C. *see* Trainor, R.J. 9—55823
Holmes, P. *see* Haneman, D. 9—74530
Holmes, S.D. *see* Atiya, M.S. 9—80831
Holmes, S.D. *see* Dixon, R. 9—89169
Holmes, S.M., Hazzledine, Karnthaler, H.P. Unstable dislocations in face-centred-cubic metals 9—82235
Holmes, W. *see* Greatbatch, W. 9—57813
Holmgren, E.C. *see* Jerlvall, L.B. 9—92238
Holmquist, G.A., Pask, J.A. Reaction and diffusion in silver-arsenic chalcogenide glass systems 9—77826
Holmstrom, F.E. *see* Churchill, J.N. 9—91147
Holnicka, J. *see* Pawlowski, Z. 9—76289
Holodny, E.I. *see* Kowalsky, W.P. 9—49358
Holonyak, N., Jr., Kolbas, R.M., Laidig, W.D., Altarelli, M., Dupuis, R.D., Dapkus, P.D. Phonon-sideband MO-CVD quantum-well $Al_xGa_{1-x}As$-GaAs heterostructure laser 9—64244
Holonyak, N., Jr., Stillman, G.E., Wolfe, C.M. Compound semiconductors 9—65538
Holonyak, N., Jr., Vojak, B.A., Kolbas, R.M., Dupuis, R.D., Dapkus, P.D. Bevel cross sectioning of ultra-thin (~100 Å) III-V semiconductor layers 9—74275
Holonyak, N., Jr. *see* Dupuis, R.D. 9—50309, 9—98390
Holonyak, N., Jr. *see* Rezek, E.A. 9—89906
Holonyak, N. Jr. *see* Chin, R. 9—91483
Holopainen, E.O. On the dynamic forcing of the long-term mean flow by the large-scale Reynolds' stresses in the atmosphere 9—53448
Holroyd, R.A. *see* Sowada, U. 9—64057
Holroyd, R.J. An experimental study of the effects of wall conductivity, non-uniform magnetic fields and variable-area ducts on liquid metal flows at high Hartmann number. I. Ducts with non-conducting walls 9—94720
Holscher, H. *see* Flohr, H. 9—74629
Holste, C., Schmidt, G.K., Torber, R. A quantitative estimation of specific internal stress fields in cyclically deformed nickel 9—96095
Holste, J.C. *see* Walton, C.W. 9—51271
Holstein, B.R. Electromagnetic effects and weak form factors 9—54411
Holstein, B.R. Comment on Coulomb corrections to weak transition amplitudes 9—59037
Holstein, B.R. Electromagnetic corrections to ϵ/β^+ ratios 9—89269
Holstein, B.R., Kim, C.W. Analysis of $0^- \rightleftarrows 0^+$ beta decay and muon capture in the A=16 nuclei 9—59036
Holsztynski, W., Slawny, J. Phase transitions in ferromagnetic spin systems at low temperatures 9—56538
Holt, A.R. The calculation of certain second Born integrals 9—59578
Holt, D.B. Device effects of dislocations 9—82221
Holt, D.B. *see* Datta, S. 9—95849
Holt, D.E. *see* Gasser, R.P.H. 9—86987
Holt, J.G., Fleischman, R.C., Perry, D.J., Buffa, A. Examination of the factors A_c and A_{sg} for cylindrical ion chambers used in cobalt-60 beams 9—81121
Holt, J.G., Mohan, R., Caley, R., Buffa, A., Reid, A., Simpson, L.D., Laughlin, J.S. Memorial electron beam AET treatment planning system 9—100734
Holt, J.R. *see* Bussey, P.J. 9—75778, 9—80829
Holt, P.M. *see* Clyne, M.A.A. 9—72349, 9—72350
Holt, R. *see* Smith, A. 9—59057
Holt, R.A. Effect of microstructure on irradiation creep and growth of Zircaloy pressure tubes in power reactors 9—74208
Holt, R.A., Ibrahim, E.F. Factors affecting the anisotropy of irradiation creep and growth of zirconium alloys 9—83255
Holt, R.A. *see* Sills, H.E. 9—87704
Holt, R.J., Jackson, H.E., Laszewski, R.M., Specht, J.R. High-resolution photoneutron study of E1 and M1 transitions in ^{208}Pb 9—89267
Holt, R.J. *see* Bowles, T. 9—93663
Holt, R.J. *see* Monahan, J.E. 9—89293
Holt, R.M. *see* Fossheim, K. 9—99621
Holt, R.M. *see* Svare, I. 9—56721
Holt, R.S. Gamma-ray Compton scattering studies 9—74014
Holt, R.S., DuBard, J.L., Cooper, M.J., Paakkari, T., Manninen, S. Asymmetry in the γ-ray Compton profile of aluminium 9—91520
Holt, S. *see* Kaluzienski, L. 9—53938, 9—62842
Holt, S. *see* Rothschild, R. 9—58248
Holt, S.L. *see* Heilmann, I.U. 9—91223
Holt, S.S. *see* Giacconi, R. 9—70941
Holt, S.S. *see* Marshall, F.E. 9—71153
Holt, S.S. *see* Mushotzky, R.F. 9—101196
Holt, S.S. *see* Pravdo, S.H. 9—92889
Holt, S.S. *see* Rose, L.A. 9—92890
Holt, T.R. *see* Platt, B.C. 9—85172
Holt, W.H. *see* Mock, W., Jr. 9—67271, 9—78631
Holtan, H. *see* Nisancioglu, K. 9—52427
Holten, J.W.Van *see* Van Holten, J.W.
Holten, R.W.Van *see* Van Holten, R.W.
Holters, H.P. *see* Peters, H.P. 9—93075
Holthuizen, D.J. *see* van Apeldoorn, G.W. 9—89177
Holtkamp, D.B. *see* Cottingame, W.B. 9—85535
Holtkamp, D.B. *see* Morris, C.L. 9—93505
Holtom, G.R. *see* Anderson, R.J.M. 9—68416
Holtom, R., Hopkins, G.P., Gundry, P.M. Surface studies of multialkali antimonide (S20/S25) photocathodes 9—78836
Holton, G. What, precisely, is 'thinking'?... Einstein's answer 9—75315
Holtz, R.E. *see* Marciniak, T.J. 9—100359
Holtz, R.Van *see* Van Holtz, R.
Holtzberg, F., Tholence, J.L., Godfrin, H., Tournier, R. New magnetic properties of a dilute spin-glass 9—78386
Holtzberg, F. *see* Coey, J.M.D. 9—78400
Holtzberg, F. *see* Haen, P. 9—82588
Holtzberg, F. *see* Keller, R. 9—56272
Holtzberg, F. *see* Koehler, W.C. 9—78318
Holtzberg, F. *see* Mook, H.A. 9—60771
Holtzberg, F. *see* Tholence, J.L. 9—61174
Holtzman, J.D., Sedgwick, H.A., Festinger, L. Interaction of preceptually monitored and unmonitored efferent commands for smooth pursuit eye movements 9—53104
Holtzman, Z., Lifshitz, J.M. Pulse propagation in coaxial circular cylinders of two elastic phase materials 9—72747
Holub, J. *see* Kudrman, J. 9—91886, 9—96262
Holub, R. *see* Normann, R.A. 9—74653
Holub, R.F., Droullard, R.F., Wu-Lieh Ho, Hopke, P.K., Parsley, R., Stukel, J.J. The reduction of airborne radon daughter concentration by plateout on an air mixing fan 9—57529
Holve, D., Self, S.A. Optical particle sizing for in situ measurements. I 9—75489
Holve, D., Self, S.A. Optical particle sizing for in situ measurements. II 9—75490
Holway, L.H., Jr. Electron-hole avalanches with constant ionization coefficients 9—91054
Holwerda, M.J., Van Neerven, W.L., Van Royen, R.P. Critical phenomena in three dimensions for arbitrary N 9—80746
Holwerda, M.J., Van Neerven, W.L., Van Royen, R.P. Hyperscaling and the critical exponent ν 9—80747
Holy, V. *see* Litzman, O. 9—73891
Holyer, J.Y. Large amplitude progressive interfacial waves 9—86447
Holyer, R.J. Toward universal multispectral suspended sediment algorithms 9—53558
Holynski, R. *see* Hand, L. 9—75979
Holz, A. The three-dimensional rotator spin glass model 9—61160
Holz, A. Qualitative theory of three-dimensional rotator model 9—80540
Holz, D. On some relations between Youngs modulus, dissipation of energy and structure of GUP laminated plastics with oriented strengthening material 9—96064
Holz, K.-P. *see* Withum, D. 9—53370
Holz, M. $^{25}Mg^{2+}$ nuclear magnetic relaxation in aqueous solution 9—91309
Holz, M., Sow-Hsin Chen Spatio-temporal structure of migrating chemotactic band of Escherichia coli. I. Traveling band profile 9—62215
Holz, M. *see* Friedman, H.L. 9—69713
Holz, M. *see* Gruber, J. 9—81565
Holzapfel, G. On term data of energy levels as derived from superimposed glow curves 9—56108
Holzapfel, W., Otto, H.H., Yersin, H., Gliemann, G. Crystal data for isotypic $Cs_2[M(CN)_4].H_2O$ compounds, M=Pt, Pd and Ni 9—51070
Holzapfel, W.B. *see* Amthauer, G. 9—73862
Holzapfel, W.B. *see* Jodl, H.J. 9—49247
Holzapfel, W.B. *see* Keller, R. 9—56272
Holzemer, K. The calculation of thin plates with various boundary conditions on distinct boundary curves by integral equations 9—49042
Holzenkampfer, E., Richter, F.-W., Stuke, J., Voget-Grote, U. Electron spin resonance and hopping conductivity of a-SiO_x 9—61213
Holzer, R.E., Slavin, J.A. A correlative study of magnetic flux transfer in the magnetosphere 9—101024
Holzer, R.F. *see* Slavin, J.A. 9—80251
Holzer, T.L., Davis, S.N., Lofgren, B.E. Faulting caused by groundwater extraction in southcentral Arizona 9—57979
Holzgraf, J.F. *see* Wallroth, C.F. 9—67909
Holzhausen, G. *see* Pollard, D.D. 9—79779
Holzhey, C. *see* Brunnhuber, J. 9—51545

Holzman, M.A. Interconnection of multimode optical waveguides 9—90037
Holzmann, M., Man, J. The relation between nil ductility transition temperature and Charpy V-notch fracture appearance transition temperature $t_{50\%}$ 9—91783
Holzrichter, J.F. *see* Gilmartin, T.J. 9—49863
Holzschuh, E. *see* Echt, O. 9—56702
Holzschuh, E. *see* Graf, H. 9—56677, 9—56688
Holzwarth, G., Eckart, G. Fluid-dynamical approximation for finite Fermi systems 9—89259
Holzwarth, G. *see* Sakata, F. 9—89250
Holzworth, R.H., Mozer, F.S. Direct evaluation of the radial diffusion coefficient near L=6 due to electric field fluctuations 9—101022
Hom, D.C. *see* Jostlein, H. 9—89310
Hom, G. *see* Stringfellow, G.B. 9—78892
Homan, F.J. *see* Long, E.L. 9—54504
Homann, K., Jischa, M. On an improved dissipation integral method 9—86418
Homberg, V. *see* Grunewald, G. 9—100589
Homborg, H. Electronic resonance-Raman spectrum of $((C_2H_5)_4N)_2[ReI_6]$ 9—82982
Homentcovschi, D. On the determination of a vectorial field of given curl and divergence 9—80415
Homentcovschi, D. On the form in distributions of Maxwell's equations 9—97221
Homentcovschi, D. Chemically reacting flow of an inviscid gas past a thin body 9—98820
Homeyer, J.W. *see* Camosci, D.A. 9—74593
Homma, H., Ushiro, T., Nakazawa, H. Dynamic crack growth under stress wave loading 9—81815
Homma, S. *see* Maruyama, K. 9—63484
Homma, S. *see* Uwaha, M. 9—55950
Homma, S. *see* Yamashita, M. 9—56018
Homolya, J.B., Fortune, C.R. The measurement of the sulfuric acid and sulfate content of the particulate matter resulting from the combustion of coal and oil 9—74569
Homsy, G.M., Walker, K. Heat transfer in laser drawing of optical fibres 9—94377
Hon Chung Ko *see* Cerutti, P.J. 9—70359
Honciuc, M., Motoc, C., Savin, O. The electrical conductivity anisotropy of cholesteryl caprylate, cholesteryl laurate and their mixtures 9—64988
Honda, F., Fukuda, Y., Rabalais, J.W. Clustering distances critical to metal dimer formation in the secondary ion mass spectra (SIMS) of cesium chloride 9—72379
Honda, H. *see* Imamura, T. 9—90524, 9—94869
Honda, K. Sum rules for $\Delta C=\Delta S=1$ S-wave decays of charmed baryons 9—58957
Honda, K. Evidence for dislocation reactions in white tin single crystals 9—86796
Honda, K. Image forces acting on dislocations with the Burgers vector $^1/_2\langle 111\rangle$ in white tin single crystals 9—99202
Honda, K., Abe, Y., Sato, K., Fujii, K., Osanai, S. $\Delta C=\Delta S=1$ decays of charmed baryons. II 9—54339
Honda, K. *see* Abe, Y. 9—85279
Honda, K. *see* Iwasaki, T. 9—83486
Honda, K. *see* Tien-Kai Li 9—57262
Honda, M. Fiber bundle analysis of global feature of gauge field theory 9—71616
Honda, M., Ozima, M., Nakada, Y., Onaka, T. Trapping of rare gases during the condensation of solids [meteorite studies] 9—66965
Honda, M. *see* Shirai, K. 9—81656
Honda, S., Fukushima, Y., Fukuda, N., Kusuda, T. The oscillation of domain-wall motion detected by a dynamic bubble-collapse experiment 9—78454
Honda, S., Hashimoto, S., Kusuda, T. Coherent precession mode ('2π-mode' oscillations) of twisted wall in bubble materials 9—78468
Honda, T., Itoh, F., Suzuki, K. γ-ray Compton profiles of liquid and crystalline aluminum 9—91519
Honda, T., Kurosawa, K., Sasada, T. Electroviscous effect in liquid crystals 9—69010
Honda, T., Sasada, T. The electroviscous effect of water 9—51294
Honda, T., Sasada, T. Electroviscous effect in liquids of low permittivity 9—99341
Honda, T., Sasada, T. Electroviscous effect in chloroform 9—99342
Honda, T., Sasada, T., Sakamoto, T. Electroviscous effect in non-polar liquids 9—77796
Honda, T., Tsujiuchi, J. Incoherent image processing by using multiple aperture scanning 9—76627
Honda, T. *see* Itoh, F. 9—61456, 9—87520
Hondoh, T., Higashi, A. Anisotropy of migration and faceting of large-angle grain boundaries in ice bicrystals 9—60381
Hondros, E.D. *see* Seah, M.P. 9—61721
Honerkamp, J., Weber, P., Wiesler, A. On the connection between the inverse transform method and the exact quantum eigenstates 9—58873
Honerlage, B. *see* Kurtze, G. 9—61424
Honerlage, B. *see* Levy, R. 9—69883
Hones, E.W., Jr. Transient phenomena in the magnetotail and their relation to substorms 9—80101
Hones, E.W., Jr. *see* Baker, D.N. 9—58194, 9—88548
Hones, E.W., Jr. *see* Caan, M.N. 9—75049
Hones, E.W., Jr. *see* Eastman, T.E. 9—80084
Hones, E.W., Jr. *see* Palmer, I.D. 9—53670, 9—101026
Honey, F.J. *see* Close, D.A. 9—85692
Honeycombe, R.W.K. *see* Sare, I.R. 9—61624
Honeycombe, R.W.K. *see* Wood, J.V. 9—74186
Honeycutt, R.K., Kephart, J.E., Henden, A.A. Updating Geothe Link Observatory 9—62743
Honeywell, W.I., Vevai, J.E. Magnetically enhanced thermal convection in oxygen gas 9—50802
Hong, C.-M., Day, D.E. Thermally stimulated polarization current technique for measuring the electrical conductivity of vitreous solids 9—99561
Hong, J. *see* Gibbons, J.F. 9—73182
Hong, J.D. *see* Gibbons, J.F. 9—90555
Hong, J.-D., Spear, K.E., Stubican, V.S. Directional solidification of SiC-B_4C eutectic: growth and some properties 9—91638
Hong, K.M. *see* Friauf, R.J. 9—87860
Hong, K.M. *see* Noolandi, J. 9—65513
Hong, S., Backman, D.G., Mehrabian, R. Heat transfer coefficient in aluminium alloy die casting 9—81685
Hong, S.D. *see* Soong, D. 9—96062
Hong, Y.S., Williamson, R.F., Boo, W.O.J. Non-stoichiometric fluorides of vanadium 9—99152
Hong, Z.-C. The mixing and decay of a turbulence field characterized by two significant dynamic length scales 9—86404
Hong Chang Hi *see* Kim Myung Ki 9—60916
Hong Chi Yhou *see* Chi Yhou Hong
Hong Hong Seung *see* Hong Seung Hong
Hong Jong-Ha *see* Jong-Ha Hong
Hong Sam-Hyo *see* Sam-Hyo Hong
Hong Seung Hong Detection of plethysmogram and its usefulness 9—62380
Hong Seung Hong, Lee Kyoon Ha Study for an artificial visual machine for the blind 9—66583
Hong Sie Tan *see* Reiber, J.H.C. 9—70629
Hong Suk Ki *see* Suk Ki Hong
Hong Sung Mu *see* Albrecht, D. 9—75985
Hong Tai-Lin *see* Tai-Lin Hong
Hong Tehang-hee *see* Tehang-hee Hong
hong Yin *see* Yin hong
Hong Yu *see* Yu Hong
Hong-bing Zhang *see* Zhang Hong-bing
hong-fang Li *see* Li hong-fang
Hong-Ih Cong, Kerr, A.R., Mattauch, R.J. The low-noise 115-GHz receiver on the Columbia-GISS 4-ft radio telescope 9—53718
Hong-Jun Su *see* Su Hong-Jun
Hong-Jun Wang *see* Wang Hong-Jun
Hong-lie Fang *see* Fang Hong-lie
Hong-qing Zhang *see* Zhang Hong-qing
Hong-sen Xie *see* Xie Hong-sen
Hong-xing Cao *see* Cao Hong-xing
Hong-Yu Wang *see* Wang Hong-Yu
Hong-yuan Feng *see* Feng Hong-yuan
Hongchul Kim, C. *see* Abbott, S. 9—76229
Hongoh, M. *see* Contogouris, A.P. 9—71772
Honig, B. *see* Dinur, U. 9—85900
Honig, E. *see* Dyer, C.C. 9—49123
Honig, G. *see* Kehr, K.W. 9—56682
Honig, J.M. Systematization of the thermodynamics of gas adsorption phenomena 9—73396
Honigschmid, J., Will, G. A neutron diffraction investigation of the H-T phase diagram of α-Fe_2O_3 9—87258
Honing, G., Czajkowski, M., Stock, M., Demtroder, W. High resolution laser spectroscopy of Cs_2. I. Ground state constants and potential curve 9—98247
Honji, H. *see* Kaneko, A. 9—94636
Honjou, N., Sasaki, F. Ab initio potential energy curves for the CO^+ ion and a study of the photoelectron spectra of CO 9—72361
Honkanen, J., Kortelahti, M., Aysto, J., Eskola, K., Hautojarvi, A. Decay of ^{24}Al and $^{24}Al^m$ to γ-ray and α-particle emitting states in ^{24}Mg 9—49607
Honkura, Y. Electrical conductivity anomalies in the Earth 9—53303
Honkura, Y., Koyama, S. Magnetic and electric investigations of the Asama Volcano 9—70736
Honkura, Y. *see* Kawamura, M. 9—70737
Honma, A. *see* Daidoji, H. 9—80702
Honma, K. *see* Shimizu, K. 9—84052
Honma, T. *see* Sato, K. 9—54648
Honneff, H., Mecking, H. A method for the determination of the active slip systems and orientation changes during single crystal deformation 9—90664
Honobe, M. *see* Dewa, H. 9—91869
Hons, A. *see* Cockayne, D.J.H. 9—82216
Hons, Z. Computer-building of gamma-ray decay schemes on the basis of gamma-gamma coincidences 9—59295
Hontzeas, S.A. *see* Rowson, J.W. 9—79353
Honusek, M. *see* Adam, J. 9—93556
Honyek, Gy. *see* Lendvai, J. 9—100193
Hood, A.W., Priest, E.R. The equilibrium of solar coronal magnetic loops 9—92737
Hood, D.C., Finkelstein, M.A., Buckingham, E. Psychophysical tests of models of the response function 9—79557
Hood, D.M., Pitzer, R.M., Schaefer, H.F., III Electronic structure of homoleptic transition metal hydrides: TiH_4, VH_4, CrH_4, MnH_4, FeH_4, CoH_4, and NiH_4 9—89601
Hood, J.T. *see* Mullani, N.A. 9—66517
Hood, L.L., Schubert, G. Inhibition of solar wind impingement on Mercury by planetary induction currents 9—101039
Hood, P. Finite difference and wave number migration 9—74842
Hood, W.P., Jr., Amende, I., Simon, R., Lichtlen, P. Computer analysis of the effects of ventricular function of intracoronary nitroglycerin 9—70575
Hood, W.P., Jr. *see* Papapietro, S.E. 9—70637
Hoodbhoy, P., Negele, J.W. Time-dependent coupled-cluster approximation to nuclear dynamics. II. General formulation 9—67695
Hooft, G.'t *see* 't Hooft, G.
Hoogenboom, J.E. Optimum biasing of integral equations in Monte Carlo calculations 9—54078
Hoogendoorn, C.J. *see* Simonis, F. 9—74013
Hoogendoorn, D., Teijema, J. Accuracy of liquid calibration systems based on the weighing method (experience with an 8- and 80-tonnes calibration rig) 9—68891
Hoogenhof, W.W.Van Den *see* Van Den Hoogenhof, W.W.
Hoogervorst, G.H.T.C. Geological information from fluctuating Earth-currents 9—92480
Hoogewijs, R., Vennik, J. Core hole induced electronic relaxation in chemisorption systems: a cluster model analysis of the charge transfer 9—90874
Hook, J.R. Orbital motion of ^{3}He-A in the presence of a heat current 9—51349
Hook, J.R., Hall, H.E. Orbital dynamics of ^{3}He-A in the presence of a heat flow and a magnetic field 9—51337
Hook, J.R. *see* Bagley, M. 9—51347
Hooke, W.M. *see* Motley, R.W. 9—64882
Hooley, A. Photomultiplier active bias chain 9—71481
Hoon Kim Dong *see* Dong Hoon Kim
Hoon Lee Sang *see* Sang Hoon Lee
Hoop, A.T.de *see* de Hoop, A.T.
Hooper, C.C. *see* Hyder, S.B. 9—69987
Hooper, W. Comment on 'Maximizing the range of the shot put' 9—97156
Hoorn-Frene, D. Heat tube, a universal electrical solar heat equipment for building, community and agricultural purposes 9—57412
Hoosier, M.E.Van *see* Van Hoosier, M.E.
Hoosima, T. Self-test facilities in μP-equipped oscilloscopes 9—88935
Hoots, F.R., Fitzpatrick, P.M. The rotational motion of an Earth orbiting gyroscope according to the Einstein theory of general relativity 9—84651
Hoover, A.D. *see* Breuer, H. 9—76020
Hoover, A.D. *see* Hilscher, D. 9—93591, 9—93653
Hoover, D.B., Long, C.L., Senterfit, R.M. Some results from audiomagnetotelluric investigations in geothermal areas 9—84097
Hoover, D.B. *see* Mabey, D.R. 9—84307
Hoover, J., Orr, S., Ryk, J., Visser, A.T. Power for the Fermilab Tevatron helium liquefier 9—68044
Hoover, J.A. *see* Ahlman, R.S. 9—67991, 9—72012
Hoover, N.E. *see* Hoover, W.G. 9—55742
Hoover, W.G. Structure of a shock-wave front in a liquid 9—64702
Hoover, W.G., Hoover, N.E., Moss, W.C. Nonlinear dislocation motion via nonequilibrium molecular dynamics 9—55742
Hoovler, G.S. *see* Baldwin, M.N. 9—63776
Hop, J. *see* Blasse, G. 9—56846
Hopewell, J.W. *see* Hubbard, B.M. 9—100671
Hopewell, W. *see* Prochorow, J. 9—98154
Hopf, F. *see* Haake, F. 9—76651
Hopf, F.A., Meystre, P. Numerical studies of the switching of a bistable optical memory 9—59747
Hopf, F.A., Overman, E.A., II. Fluctuations in nonlinear swept-gain amplifiers 9—55095
Hopf, F.A., Tomita, A., Womack, K.H., Jewell, J.L. Optical distortion in nonlinear phase conjugation by three-wave mixing 9—89956
Hopf, F.A. *see* Al-Abawi, H. 9—94204
Hopf, F.A. *see* Meystre, P. 9—55105
Hopfield, J.J. Origin of the genetic code: a testable hypothesis based on tRNA structure, sequence, and kinetic proofreading 9—92126
Hopfinger, A.J., Lewanski, A.J., Sluckin, T.J., Taylor, P.L. Solitary wave propagation as a model for poling in PVF_2 9—87398
Hopfinger, A.J. *see* Banik, N.C. 9—82331
Hopfinger, A.J. *see* Rickert, S.E. 9—69342
Hopfinger, A.J. *see* Rudnick, J. 9—94919
Hopfinger, E.J., Atten, P., Busse, F.H. Instability and convection in fluid layers: a report on Euromech 106 9—68783
Hopke, P.K. *see* Holub, R.F. 9—57529
Hopkins, B.J. *see* Chandler, P.E. 9—61904
Hopkins, B.J. *see* Chesters, M.A. 9—66353

Hopkins, B.J. *see* Price, G.G. 9—90878
Hopkins, B.J. *see* Rawlings, K.J. 9—87532
Hopkins, G.P. *see* Holtom, R. 9—78836
Hopkins, G.R., Rawls, J.M. Addendum to 'Impurity radiation from medium density plasmas' 9—55472
Hopkins, G.W. *see* Shack, R.V. 9—54182
Hopkins, H.H. Diffraction theory of laser read-out systems for optical video discs 9—50338
Hopkins, H.H. *see* Harris, J.S. 9—86268
Hopkins, J.C. *see* Sullivan, R.A.L. 9—97161
Hopkins, R.E., Sinclair, D.C. The use of desktop computers for education in optical design 9—84922
Hopkins, S.W. *see* Leverant, G.R. 9—52366
Hopkins, W.C. Suggested approach for fracture-safe RPV support design in neutron environments 9—93700
Hopkins, W.F., III *see* Pfefferbaum, A. 9—79500
Hopkins, W.G. Vertical plane serial sectioning of identified tissue culture cells 9—74807
Hopkins, W.G. A method for marking and relocating identified cells in whole tissue for electron microscopy 9—74808
Hopley, D. Sea level change on the Great Barrier Reef: an introduction 9—84293
Hopley, D. *see* McLean, R.F. 9—84294
Hopman, H.J., Markvoort, J.A., Jurgens, B. A note on the heating of the cold plasma blanket in a linear fusion reactor 9—59258
Hopmann, H. *see* Suri, R.K. 9—61956
Hopp, U. *see* Gever, E.H. 9—92811
Hoppe, H.O. *see* Duren, R. 9—76482
Hoppe, R. *see* Domesle, R. 9—69094
Hoppe, W. *see* Stockel, P. 9—53038
Hopper, C.M. Adventures in ten dimensions—misleading assumptions in array analysis 9—63772
Hopper, J.E. *see* Dodson, W.J. 9—49718
Hopper, J.E. *see* McKinney, J.D. 9—89415
Hopper, R.W. *see* Howell, R.H. 9—74177
Hopper, V.D. Acoustic sounding of the atmosphere 9—53528
Hopper, V.D. *see* Koga, R. 9—101063
Hoppin, F.G., Jr. *see* Sasaki, H. 9—83823
Hopping, R.L. *see* Venables, J.D. 9—70203
Hoppmann, G., Salje, E. Absorption spectra and optical gap energies of $W_xMo_{1-x}O_3$ 9—91464
Hopponen, J.D. *see* Liebe, H.J. 9—53504
Hopps, J.A. Biomedical equipment maintenance in Canadian hospitals 9—53263
Hopster, H., Brundle, C.R. Use of SIMS for studies of adsorption on well-defined metal surfaces. I. Combined XPS/LEED/SIMS studies of O_2, CO, H_2O, and H_2 on Ni (100) 9—83075
Hopster, H. *see* Brundle, C.R. 9—74051
Hopster, H. *see* Pirug, G. 9—90866
Hopwood, T., Havens, J.H. Acoustic emission monitoring of weldments 9—87800
Hora, H. *see* Hinckley, S. 9—51149
Horacek, J. *see* Kunz, E. 9—79605
Horai, K., Sakoh, S. Experimental method of transmission electron spin resonance 9—75563
Horai, K. *see* Arakawa, M. 9—65725
Horai, K. *see* Yosida, T. 9—65718
Horak, A., Miotkowski, I., Weszka, J. Growth of $ZnGeP_2$ layers on germanium substrates 9—52122
Horak, H.L. *see* Gregory, W.S. 9—81020
Horak, J. *see* Koudelka, L. 9—65856
Horak, J. *see* Tichy, L. 9—60692
Horak, R.M. *see* Stander, C.M. 9—73315
Horak, W.C., Dorning, J.J. A local Green's function method for initial-value problems in heat conduction and fluid flow 9—89359
Horak, Z. Special and general relativistic analyses of the redshifts of cosmological objects in nonradial motion 9—80212
Horalek, J. *see* Roglinov, A. 9—92509
Horalek, V. Influence of resolution power of an instrument on estimation of basic material spatial structure parameters 9—52543
Horan, D.M. *see* Krepling, R.W. 9—58134
Horan, S.E., Slifkin, L.M. An internal friction study of stress-induced migration and aggregation of solute ions in silver bromide single crystals 9—51200
Horan, S.E., Slifkin, L.M. Stress-induced anomalies in the internal friction of strontium-doped silver bromide 9—66095
Horchani, S. *see* Beau, D. 9—97608
Hord, C.W. *see* Pang, K. 9—96958
Hord, C.W. *see* Wehrbein, W.M. 9—66952
Horen, D.J., Harvey, J.A., Hill, N.W. $^{206}Pb+n$ resonances for E=25-600 keV: s-, p-, and d-wave doorway states and M1 ground-state radiative strength in ^{207}Pb 9—93589
Horgan, C.O., Nenat-Nasser, S. Bounds on eigenvalues of Sturm-Liouville problems with discontinuous coefficients 9—50568
Horgan, C.O., Olmstead, W.E. Exponential decay estimates for a class of nonlinear Dirichlet problems 9—92939
Horgen, C.H. *see* Lewis, R.D. 9—76851
Horgen, H. Quantitative interpretation of electron micrographs using image processing techniques 9—82128
Horhold, H.-H. *see* Opfermann, J. 9—52708
Hori, K., Kawase, Y., Hayashi, T. The g-factor of the 316 keV state in ^{169}Tm 9—63586
Hori, K. *see* Fujiwara, K. 9—72569
Hori, K. *see* Hayashi, Y. 9—64658
Hori, K. *see* Imai, H. 9—50321
Hori, M. *see* Adachi, M. 9—98488
Hori, M. *see* Shimizu, T. 9—56949
Hori, S., Saji, S., Kobayashi, T. Prolonged aging of a subperitectic Al-Zr alloy 9—52281
Hori, S. *see* Inque, T. 9—74759
Hori, T. *see* Hirao, Y. 9—72117
Horibe, K. *see* Ishibashi, T. 9—62030
Horibe, M. Thermal radiation of fermions by an accelerated wall 9—54265
Horibe, M., Ishida, J., Sato, A. Symmetries and the mass ratio of the electron and muon 9—58917
Horicke, I. *see* Muller, G.O. 9—51980
Horie, C. *see* Maeda, M. 9—90740
Horie, J. *see* Kobayashi, K. 9—80976
Horie, T. *see* Tanaka, K. 9—68544
Horig, W., Neumann, H., Reccius, E., Moller, W., Kuhn, G. Optical properties of $CuIn_{1-x}Ga_xSe_2$ mixed crystals 9—65896
Horig, W. *see* Neumann, H. 9—95296
Horigome, T. Progress and future of solar thermal electric power technology 9—79374
Horigome, T. *see* Kamimoto, M. 9—79379
Horigome, T. *see* Kurokawa, K. 9—79185
Horigome, T. *see* Sakuta, K. 9—96485
Horigome, T. *see* Tanaka, T. 9—62108, 9—77058, 9—79377
Horigome, T. *see* Tani, T. 9—57441, 9—79375, 9—79380, 9—79381
Horiguchi, H., Tsuchiya, S. Vibrational relaxation of NO($X^2\Pi$) in the states of $\nu=2\sim10$ 9—89752
Horiguchi, M., Ohmori, Y., Miya, T. Evaluation of material dispersion using a nanosecond optical pulse radiator 9—81520
Horiguchi, M., Takata, H. Transmission-loss characteristics of low-OH-content optical fibers 9—59830
Horiguchi, M., Takata, H. Transmission-loss characteristics of low-OH-content optical fibers 9—64327
Horiguchi, M. *see* Edahiro, T. 9—59811
Horiguchi, M. *see* Kawasaki, T. 9—83311
Horiguchi, T. On the Bethe approximation for the random Ising chain 9—78287
Horiguchi, T. Husimi-Temperley model under a random field 9—97313
Horii, K. *see* Shimizu, N. 9—99947
Horii, K. *see* Takagi, K. 9—64932
Horii, Y. Fundamental frequency perturbation observed in sustained phonation 9—100635
Horii, Y., Cooke, P.A. Some airflow, volume, and duration characteristics of oral reading 9—57672
Horikawa, H. *see* Tsukada, E. 9—97455
Horikawa, T. *see* Nakamura, H. 9—61705
Horikoshi, G. *see* Ishimaru, H. 9—68056
Horikoshi, Y., Furukawa, Y. Temperature sensitive threshold current of InGaAsP-InP double heterostructure lasers 9—59700
Horikoshi, Y., Saito, H., Kawashima, M. Degradation of InGaAsP-InP DH lasers by In solder 9—98402
Horikoshi, Y., Saito, H., Kawashima, M., Takanashi, Y. Low-temperature behavior of the threshold current and carrier lifetime of InGaAsP-InP DH lasers 9—98374
Horikoshi, Y. *see* Fukui, T. 9—65932, 9—99928
Horikoshi, Y. *see* Kobayashi, N. 9—72587
Horikoshi, Y. *see* Machida, S. 9—50385
Horikoshi, Y. *see* Ota, T. 9—74270
Horing, N.J.M., LaBonney, J.J. DHVA oscillations in the correlation energy of a two-dimensional quantum plasma 9—60738
Horio, K., Takemura, K. The Radioimmunoassay Total System 9—92356
Horisberger, M., Vonlanthen, M. Multiple marking of cell surface receptors by gold granules: simultaneous localization of three lectin receptors on human erythrocytes 9—74806
Horita, R.E., Barfield, J.N., Heacock, R.R., Kangas, J. IPDP source regions and resonant proton energies 9—53673
Horiuchi, G.K. *see* Anderson, R.N. 9—70453
Horiuchi, H. *see* Fujiwara, Y. 9—89258
Horiuchi, H. *see* Lemere, M. 9—59085
Horiuchi, I. *see* Hirose, A. 9—57336
Horiuchi, K. *see* Yokoyama, A. 9—53228
Horiuchi, S. Determination of crystal point group by a high resolution electron microscope image 9—51036
Horiuchi, S., Kimizuka, N., Yamamoto, A. Absorption of hydrogen in 'ReO_3' 9—60513
Horiuchi, S. *see* Bando, Y. 9—69060
Horiuchi, S. *see* Chino, K. 9—59215
Horiuchi, S. *see* Kitamura, M. 9—85638
Horkay, Gy. *see* Berecz, I. 9—62382
Horlick, G. Spectral characteristics of the inductively coupled plasma 9—70394
Horlin, T. *see* Marinder, B.-O. 9—65246
Horlitz, G. *see* Berger, C. 9—49519
Horlock, J.H. Flow through a slightly curved flame front 9—55430
Hormadaly, J., Reisfeld, R. Intensity parameters and laser analysis of Pr^{3+} and Dy^{3+} in oxide glasses 9—50300
Horn, B.K.P., Sjoberg, R.W. Calculating the reflectance map 9—75568
Horn, D., Weinstein, M., Yankielowicz, S. Hamiltonian approach to Z(N) lattice gauge theories 9—85233
Horn, D., Yankielowicz, S. Gauge and matter screening in a Z(2) theory 9—89065
Horn, D. *see* Ball, G.C. 9—89322
Horn, D. *see* Haas, B. 9—71783
Horn, D. *see* Hausser, O. 9—63578
Horn, D. *see* Kubono, S. 9—75950
Horn, D. *see* Warner, R.E. 9—93646
Horn, F.L., Lazareth, O.W., Fillo, J.A., Powell, J.R. Thermal-hydraulic study of fusion-Synfuel blankets 9—85800
Horn, H. *see* Moulem-Maron, D. 9—72947
Horn, H.M.Van *see* Van Horn, H.M.
Horn, J. *see* Harmanec, P. 9—53817
Horn, K., Bradshaw, A.M. Photoemission from single crystal xenon 9—78845
Horn, K., Bradshaw, A.M., Hermann, K., Batra, I.P. Adsorbate band formation: the chemisorption of CO on Pd (100) 9—77916
Horn, K. *see* Batra, I. 9—95463
Horn, K. *see* Hofmann, P. 9—60635
Horn, L.J.van den *see* van den Horn, L.J.
Horn, P.M. *see* Dutta, P. 9—95458
Horn, P.M. *see* Eberhard, J.W. 9—60940
Horn, P.M. *see* Stephens, P.W. 9—73382
Horn, R.G. Addition of a polarizing microscope to the Weissenberg Rheogoniometer 9—68838
Horn, R.G., Faber, T.E. Molecular alignment in nematic liquid crystals: A comparison between the results of experiments at high pressure and predictions based on mean field theories 9—99075
Hornauer, D.-L. *see* Orlowski, R. 9—51456
Hornback, C.E. *see* Jean, A.G. 9—58097
Hornberger, G.M. *see* Clapp, R.B. 9—53385
Hornbogen, E. *see* Bowe, K.H. 9—52549
Hornbogen, E. *see* Bruch, U. 9—61696
Hornbogen, E. *see* Mladen, F. 9—52243
Hornby, R.P. *see* Moreton, D.N. 9—61658
Horndeski, G.W. Null electromagnetic fields in the generalized Einstein-Maxwell field theory 9—58606
Horndeski, G.W. Characteristic surfaces and characteristic initial data for the generalized Einstein-Maxwell field equations 9—97279
Horne, D.F. *see* Allen, D.M. 9—61779
Horne, J.G. *see* Doyle, E.D. 9—52387
Horne, K., Gomer, R., Kemp, J.C., Impey, C.D. SS 433 9—80321
Horne, R.K. *see* Coombe, R.D. 9—57216
Horne, R.N. Three-dimensional natural convection in a confined porous medium heated from below 9—72937
Hornell, C. *see* Lindstrom, O. 9—52930
Horner, H., Lipowsky, R. On the theory of turbulence: a non Eulerian renormalized expansion 9—64640
Horner, J.E. *see* MacBain, J.C. 9—81822
Horner, R.B., Stevens, A.E., Wetmiller, R.J. Canadian earthquakes—1977 9—84164
Hornfeldt, S.P., Dronjak, M. Simple band theory interpretation of the spin polarization of tunnel currents in nickel and some nickel alloys 9—78451
Horning, D.W. Study of an electrically driven jet 9—77268
Hornreich, R.M. Renormalization-group analysis of critical modes at the ferromagnetic Lifshitz point in crystalline systems 9—82806
Hornreich, R.M., Liebmann, R., Schuster, H.G., Selke, W. Lifshitz points in Ising systems 9—99716
Hornreich, R.M., Luban, M., Shtrikman, S. Symmetry-derived critical modes at the ferromagnetic Lifshitz point 9—73758
Hornreich, R.M. *see* Atzmony, U. 9—99707
Hornshuh, J.E. *see* Darland, E.J. 9—89524
Hornung, A. *see* Citron, A. 9—72006
Hornung, A. *see* Schulze, D. 9—72169
Hornung, H.G., Oertel, H., Sandeman, R.J. Transition to Mach reflexion of shock waves in steady and pseudosteady flow with and without relaxation 9—50752
Hornung, H.G., Smith, G.H. The influence of relaxation on shock detachment 9—81923
Hornyak, W.F., Glascock, M.D., Chang, C.C., Wu, J.R. Reaction $^{27}Al+\alpha$ at $E_\alpha=140$ MeV: II 9—63683
Hornyak, W.F. *see* Glascock, M.D. 9—63682
Hornyik, K. Accuracy considerations regarding RETRAN/RELAP—stream line models 9—59197
Hornyik, K., Naser, J.A. Effects of transient modeling of bypass steamline on BWR pressurization 9—89408
Horobiowski, M. *see* Sosnowski, J. 9—56351
Horodecki, A.J. An analysis of free-electron density in nonstoichiometric SnO_2 crystal 9—99108
Horodecki, A.J. *see* Dogil, B. 9—60655
Horodecki, A.J. *see* Grus, M. 9—51897

Horodecki, R. On the pressure broadening of the molecular spectra. II. The molecular line shape in the Doppler limit 9—50083
Horovitz, B. The soliton lattice: application to the ω phase 9—82300
Horovitz, L.J., Johnson, S.B., Pearlman, R.C., Schaffer, E.J., Hedin, A.K. Stapedial reflex and anxiety in fluent and disfluent speakers 9—96584
Horowitz, H.S. *see* Glaunsinger, W.S. 9—87310
Horowitz, H.S. *see* White, T.R. 9—78339, 9—91215
Horowitz, J.S. OTEC power systems 9—83614
Horowitz, S.J., Felten, J.J., Gerry, D.J., Larry, J.R., Rosenberg, R.M. Recent developments in gold conductor bonding performance and failure mechanisms 9—71436
Horowitz, Y.S., Fraier, I., Kalefezra, J. TL light self-absorption: implications for studies on the relative TL efficiency as a function of linear energy transfer 9—81097
Horowitz, Y.S., Fraier, I., Kalefezra, J., Pinto, H., Goldbart, Z. Non-universality of the TL-LET response in thermoluminescent $Li_2B_4O_7$:Mn the effect of batch composition 9—97948
Horowitz, Y.S. *see* Dubi, A. 9—71385
Horsch, P. Extension of the local approach to excited states of molecules 9—49956
Horsdal Pedersen, E. *see* Andersen, N. 9—86052, 9—86053
Horsewill, A.J. *see* Atherton, N.M. 9—73854
Horsley, R. Quantum mass corrections to supersymmetric soliton theories in two dimensions 9—54254
Horst, T.W. *see* Doran, J.C. 9—70823
Horst, W. *see* Korekawa, M. 9—94970
Horster, H. *see* Bruno, R. 9—57461, 9—61951
Horster, H. *see* Hermann, W. 9—62051
Horsthemke, W. *see* Brenig, L. 9—55442
Horsthemke, W. *see* Kitahara, K. 9—58638
Horstkotte, J. *see* Entenberg, A. 9—54333
Horstman, C.C. *see* Acharya, M. 9—60001
Horstman, H.M., Cavallo, G. Considerations of the spectra of 3 CR radio sources 9—67108
Horszsk, D.A., Rabas, T.J. Capital cost system optimization of OTEC power modules 9—83615
Horta, A. *see* Cowie, J.M.G. 9—90789
Hortacsu, M. Interaction of instantons with a fermion field in a (1+1)-dimensional model 9—97514
Hortacsu, M., Schroer, B., Thun, H.J. A two-dimensional sigma model with particle production 9—71613
Horte, C.-H. *see* Mucke, U. 9—83409
Hortenback, K.L., Rogler, F. On the propagation of short waves over very long distances: predictions and observations 9—70919
Horton, G.K. *see* Leese, J.G. 9—56783, 9—87433
Horton, J.L. *see* Gagnon, W.F. 9—83937
Horton, M.D., Peterson, G.R. Nucleation and growth of diamond 9—99087
Horton, P.W. *see* Strang, R. 9—92349
Horton, R. *see* Bitter, M. 9—82098
Horton, R. *see* Hill, K.W. 9—68956
Horton, R.F. *see* Dowling, J.A. 9—53521, 9—66798
Horton, W., Jr. Drift wave propagation and convective wave growth in Tokamaks 9—60137
Horton, W., Jr., Duk-In Choi, Koch, R.A. Scaling laws and asymptotic states for ion acoustic turbulence 9—60141
Hortopan, G., Nicolescu, D., Olariu, N. The dynamic regime of current-carrying bars 9—72455
Horuzhy, S.S. *see* Dadashyan, K.Yu. 9—58883, 9—89069
Horvat, D. *see* Kachalkin, A.K. 9—94866
Horvath, Cs. *see* Lukacs, Gy. 9—88994
Horvath, D. *see* Bystritskii, V.M. 9—50171
Horvath, G.Z., Malyutin, A.A., Kilpio, A. 'Halo' laser device 9—72597
Horvath, H. *see* Presle, G. 9—72489
Horvath, P. *see* Lazar, K. 9—66355
Horvath, S., Jr. *see* Pfister, B.F. 9—64437
Horvath, Z.G. *see* Gyuzalian, R.N. 9—59758
Horvatic, B., Zlatic, V. Perturbation calculation of the thermoelectric power in the asymmetric single-orbital Anderson model 9—99534
Horwitz, A.B., Leone, S.R. Temperature dependence of resonant isotopic vibrational energy transfer in $H^{35}Cl$-$H^{37}Cl$ 9—72395
Horwitz, A.B., Leone, S.R. Versatile, isotopically specific hydrogen halide TEA pin laser 9—76711
Horwitz, C.M. Simple calibrated gas feed system 9—67321
Horwitz, G. Frozen-in potential waves in spherical star clusters 9—67070
Horwitz, J.L., Akasofu, S.-I. On the relationship of the polar cap current system to the north-south component of the interplanetary magnetic field 9—101023
Horwitz, L.P., Piron, C., Schieve, W.C. Classical relativistic Gibbs ensembles 9—63126
Horwitz, L.P., Sigal, I.M. On a mathematical model for non-stationary physical systems 9—84985
Horwitz, N. *see* Kourkoumelis, C. 9—85347
Horwitz, R. *see* Witcombe, J.B. 9—62333
Horz, G. Kinetics and mechanisms of reaction between transition metals and gases 9—57289
Horz, G. Kinetics and thermodynamics of the reaction of niobium and tantalum based alloys with nitrogen with an introduction to the reaction behaviour of Nb and Ta in various atmospheres 9—74415
Horz, G., Popovic, M. Precipitation processes in supersaturated tantalum-nitrogen solid-solutions. Property changes—precipitates 9—96028
Hosaka, M. *see* Yoshimura, J. 9—52099
Hosaka, S., Sakudo, N., Hashimoto, S. Monitoring secondary ions during ion etching 9—91551
Hosaka, T. *see* Miya, T. 9—90018
Hosch, J.W. *see* Scheeline, A. 9—80690
Hoschek, G. *see* Haessner, F. 9—96037
Hoschele, K. *see* Diem, M. 9—84421
Hoscher, M. Investigation of different rock parameters for the determination of rock drillability 9—74888
Hosea, J. *see* Eubank, H. 9—82074
Hosea, J.C. *see* Efthimion, P.C. 9—90463
Hosek, J., Truhlik, E. Axial meson exchange currents in antineutrino disintegration of the deuteron 9—85255
Hoselitz, K. Crystallisation of magnetic Fe-Si-B metallic glasses 9—82160
Hosemann, R. *see* Vogel, W. 9—77451
Hoser, A. *see* Szczaniecki, P.B. 9—87308
Hosey, R.B. *see* Chandran, K.B. 9—92281
Hosford, C.D. *see* Lowe, A.T. 9—78883
Hoshen, J., Stauffer, D., Bishop, G.H., Harrison, R.J., Quinn, G.D. Monte Carlo experiments on cluster size distribution in percolation 9—75465
Hoshi, A. *see* Kamigaki, K. 9—61183
Hoshi, A. *see* Sasaki, M. 9—93796
Hoshi, K. *see* Burges, S.J. 9—53389
Hoshi, N., Hyuga, H., Kubodera, K. Coherent photo-η production on the deuteron 9—93432
Hoshi, R. Accretion model for outbursts of dwarf nova 9—88680
Hoshi, S. *see* Nakamura, H. 9—61707
Hoshi, T. *see* Yokoyama, R. 9—74710
Hoshi, Y. *see* Maruyama, K. 9—63484
Hoshide, T. *see* Tanaka, K. 9—96116
Hoshina, T. *see* Yokono, S. 9—78669
Hoshino, D., Nagahama, K., Hirata, M. Prediction of the latent heats of vaporization by the group contribution method 9—77737
Hoshino, H., Tamura, K., Endo, H. On the miscibility gap in liquid bismuth-bismuth tribromide system 9—90790
Hoshino, K. Charge transfer and transport properties of binary alloys in the tight-binding model 9—82577
Hoshino, K., Satooka, S. A high reliability automatic multiplier for a mass spectrometer ion detector circuit 9—97468
Hoshino, K., Shimamura, S. A simple model for the melting of fine particles 9—99297
Hoshino, K. *see* Fuchi, H. 9—59299, 9—63548, 9—80112, 9—85299
Hoshino, M. *see* Higashi, A. 9—57831, 9—92443
Hoshino, S. Phase transition of superionic conductors—On α-AgI type structure and its surroundings 9—65250
Hoshino, S. *see* Inoue, K. 9—90573, 9—90574
Hoshino, Y. Low-lying resonance saturation in $J/\psi \to 3\pi$ and $K\bar{K}\pi$ 9—54338
Hoshino, Y. *see* Abe, Y. 9—85279
Hoshino, Y. *see* Miyake, A. 9—59611
Hoshino, Y. *see* Okazaki, T. 9—85295
Hoshizaki, H., Sawada, A., Ishibashi, Y. Study of incommensurate phase transition in $\{N(CH_3)_4\}_2ZnCl_4$ crystal by means of ultrasound propagation 9—91382
Hoshizaki, N. p-p phase shifts and diproton resonances in the mass range from 2.1—2.8 GeV. II. The $^1D_2$ (2.17 GeV) diproton 9—58970
Hoshizaki, N. pp phase shifts and dibaryon resonances 9—63540
Hoshizaki, N., Itami, T., Kokubo, H. Electromagnetic mass difference of the nucleon and of the pion in the Nambu-Jona-Lasinio model 9—93415
Hoshizawa, H. *see* Hirakawa, K. 9—91220
Hosier, K. *see* Kaufman, L. 9—53221
Hosino, M., Nakano, H., Kimura, H. Nematic-smectic transition in an aligned rod system 9—77729
Hosino, M. *see* Kimura, H. 9—86706
Hosokawa, N. Relationship between energetic neutrals and impurities in sputtered films 9—69980
Hosokawa, N. *see* Tsukada, T. 9—83121
Hosokawa, T. *see* Masuda, M. 9—56232
Hosokawa, T. *see* Ura, K. 9—71565
Hosokawa, Y. *see* Kaneko, K. 9—65230, 9—65234
Hosono, H., Kawazoe, H., Kanazawa, T. ESR and optical absorption of Cu^{2+} in Na_2O-SiO_2 glasses 9—77526
Hosono, H., Kawazoe, H., Kanazawa, T. Behavior of VO^{2+} as a spectroscopic probe for characterization of glasses 9—78510
Hosono, H. *see* Kawazoe, H. 9—69870, 9—95640
Hosono, K. *see* Kumabe, I. 9—89264
Hosono, K. *see* Miura, I. 9—54663
Hosono, S. *see* Miura, I. 9—68013
Hosotani, Y. Chiral U(1) current in non-Abelian gauge theories 9—85216
Hosotani, Y. Tunneling effects, phase coherence and the large mass of the η or η' meson in non-Abelian gauge theory 9—93287
Hosoya, A. Moving mirror effects in hadronic reactions 9—54303
Hosoya, A. Effective quark mass in an expanding bag 9—97604
Hosoya, H. *see* Kanazawa, T. 9—59610
Hosoya, M. A new group-theoretical derivation of the Bravais lattices 9—77540
Hosoya, S. *see* Kitamura, M. 9—73177
Hosoya, Y. *see* Sato, K. 9—70813
Hosoya, Y. *see* Takahashi, H. 9—70814
Hossain, K.A., Swift, J., Jing-Huei Chen, Lubensky, T.C. Dynamics near the nematic-smectic-A and nematic-smectic-C phase transitions in liquid crystals 9—60489
Hossain, M. *see* Chiu, C.B. 9—71729
Hossain, M.A. *see* Dutta, S.K. 9—100666
Hosseini, G. *see* Mackenzie, K.J.D. 9—52209
Hosson, J.Th.M.de *see* de Hosson, J.Th.M.
Hosson, J.Th.M.De *see* De Hosson, J.Th.M.
Hosson, J.T.M.De *see* De Hosson, J.T.M.
Hosten, B., Roux, J. Effects of finite aperture and sampling on numerical restitution of ultrasonic holograms 9—72760
Hosteny, R. *see* DeVolpi, A. 9—49776
Hosteny, R.P. A computational method for predicting neutron hodoscope performance 9—80995
Hostetler, J.D. *see* Law, C.C. 9—74244
Hostetler, T.E. *see* Reagan, D. 9—72146
Hostettler, A. *see* Eber, N. 9—58737
Hostettler, J.D. A decade of chemistry for non-scientists—1968 to 1977 9—84881
Hotan, W., Gopel, W., Haul, R. Interaction of CO_2 and CO with nonpolar zinc oxide surfaces 9—65321
Hotate, K., Okoshi, T. A formula giving cutoff frequencies of modes in an optical fiber having arbitrary refractive-index profile 9—55244
Hoth, S. *see* Bohm, R. 9—63589
Hotovy, S.G. *see* Redhed, D.D. 9—94644
Hotta, M. *see* Tsunashima, S. 9—83471
Hottier, F. *see* Theeten, J.B. 9—95937
Hotzsch, K. *see* Schreiter, U. 9—91692
Hou, L.D., Tiku, S.K., Wang, H.A., Kroger, F.A. Conductivity and creep in acceptor-dominated polycrystalline Al_2O_3 9—78109
Hou, M., Robinson, M.T. Computer simulation of low-energy sputtering in the binary collision approximation 9—56900
Hou, M. *see* Bhaskar, N.D. 9—89974
Hou, T.W., Chang, M.S. Holographic evaluation of resolution in amorphous chalcogenide inorganic photoresists 9—76629
Hou, T.W. *see* Chang, M.S. 9—52412
Hou Bo-yu, Hou Bo-yuan Statical spherosymmetrical sourceless solution of SU(2) gauge field: the selfduality, uniqueness and the self induced charge current 9—80755
Hou Bo-yuan *see* Hou Bo-yu 9—80755
Hou He-shen *see* Gu Chao-hao 9—93281
Houard, J. *see* Malek-Mansour, M. 9—58637
Houben, G.J. *see* Timmermans, A.J.J. 9—68884
Houbrechts, Y., Dubois, I., Bredohl, H. Rotational analysis of the D-X transition in SiF 9—72331
Houchin, J. *see* Michael, D. 9—96673
Houck, J.R., Ward, D. A liquid-helium-cooled grating spectrometer for far infrared astronomical observations 9—66925
Houck, J.R. *see* McCarthy, J.F. 9—97046
Houck, P.W. *see* Shiaw-Horng Chung 9—62401
Houdart, R. *see* Niay, P. 9—98091
Houdas, Y., Carette, G., Flament, J.M., Marchant, D., Genet, F. Computation of LV performance by TM and real-time echocardiography in connection with pulsed Doppler 9—62323
Houdeville, R., Cousteix, J. Turbulent boundary layers in oscillating flow with a mean adverse pressure gradient 9—77085
Houenou, P., Eholie, R., Flahaut, J. Study of the Sn-Tl-Se ternary system. SnSe-TlSe section 9—83180
Houge, J.C. *see* Smith, R.G. 9—83984
Hough, A. *see* Malow, G. 9—49790
Hough, G., Shea, T., Tolchenkov, D. Studies of technical criteria for the application of IAEA safeguards [nuclear materials safety] 9—85678
Hough, J. *see* Drever, R.W.P. 9—93033
Hough, J.H. A modified lead attenuation method to determine the fast neutron sensitivity k_U of a photon dosemeter 9—81095
Houghton, A., Schafer, L. High-order behaviour of zero-component field theories without the $n \to 0$ limit 9—75438
Houghton, D.C., Jones, D.R.H. The thermal stabilities of in situ composites in a temperature gradient. II. The Al-Al_3Ni and Cu-Cr eutectics 9—61611
Houghton, J.C. Birth of a parent: the Wakeby distribution for modeling flood flows 9—84330
Houghton, J.C. The incomplete means estimation procedure applied to flood frequency analysis 9—88378
Houghton, J.T. The physics of atmospheres 9—62568

Houghton, J.T. Greenhouse effects of some atmospheric constitutents 9—70882
Houghton, J.T. The future role of observations from meteorological satellites 9—79965
Houghton, J.T. The role of satellites in the tropical observing system 9—92651
Houk, D.F. *see* Green, T. 9—53371
Houlberg, W.A., Peng, Y-K.M., Mense, A.T., Attenberger, S.E. Startup scanarios in Tokamak reactors 9—49843
Houlbert, C. *see* Nicholas, R.J. 9—65370
Houlden, M.A. *see* Evangelista, C. 9—75788, 9—80843
Houlier, B., Micheron, F. Photoinduced charge-transfer process in PLZT ceramics 9—50362
Houlihan, J.F., Hamilton, J.R., Madacsi, D.P. Improved solar efficiencies for doped polycrystalline TiO_2 photoanodes 9—96479
Houlihan, T.M. *see* Davidson, K.L. 9—79918
Hoult, D.I. Rotating frame zeugmatography 9—93186
Hoult, N.S. A Rugby, MSF, time-code clock 9—67260
Houlton, M.R. *see* Bennett, M.J. 9—61803
Houminer, Z. Prediction of geomagnetic disturbances by interplanetary scintillation 9—58215
Houng, Y.M., Pearson, G.L. Growth of semi-insulating LPE GaAs for FET buffer layers 9—66015
Hounsfield, G.N. Computer reconstructed X-ray imaging 9—74755
Hourlier, F., Pineau, A. Fatigue cracking under polymodal (mode I sinusoidal and mode III permanent) stress in a 26 NCDV 14 steel for rotors 9—91787
House, R.A., II *see* Bettis, J.R. 9—89948
Houser, C.A. *see* Raman, S. 9—54407
Houska, C.R. *see* Adler, T. 9—82123, 9—82504
Houska, C.R. *see* Rao, V.B. 9—56960
Houska, S. The stress analysis in the modular steam generator tube plates 9—71883
Housley, R.M. *see* Goldberg, I.B. 9—70971
Housley, R.M. *see* Morin, F.J. 9—69285
Housman, J.J. *see* Walker, W.E. 9—52905
Houston, A.S., MacLeod, M.A. An intercomparison of computer assisted image processing and display methods in liver scintigraphy 9—53234
Houston, A.S., Sharp, P.F., Tofts, P.S., Diffey, B.L. A multicentre comparison of computer assisted image processing and display methods in scintigraphy 9—53233
Houston, B. *see* Allgaier, R.S. 9—95514
Houston, B. *see* Carver, G.P. 9—65567
Houston, J. *see* Ramaker, D.E. 9—83067
Houston, J.T. *see* Farrell, K. 9—77643
Houston, P.L. *see* Grimley, A.J. 9—68259, 9—72347
Houtsma, A.J.M. Musical pitch of two-tone complexes and predictions by modern pitch theories 9—88083
Houtte, P.Van *see* Van Houtte, P.
Houttemane, C., Boivin, J.C., Thomas, D.J., Wozniak, M., Nowogrocki, G. Crystal structure of copper(II) methylphosphonate monohydrate, $CuCH_3PO_3.H_2O$ 9—99172
Houze, R.A., Jr., Hobbs, P.V., Herzech, P.H., Parsons, D.B. Size distributions of precipitation particles in frontal clouds 9—88437
Houze, R.-C. The measurement of coefficients of reflection 9—67350
Hov, O., Isaksen, I.S.A. Hydroxyl and peroxy radicals in polluted tropospheric air 9—62560
Hov, O., Isaksen, I.S.A., Hesstvedt, E. Diurnal variations of ozone and other pollutants in an urban area 9—74568
Hov, O. *see* Hesstvedt, E. 9—53427
Hovanesian, J.D. *see* Liang, C.Y. 9—68665
Hove, C.M., Robichaud, G.C., Tulenko, J.S. PWR through fuel cycle improvements 9—85635
Hove, L.Van *see* Van Hove, L.
Hove, M.A.van *see* van Hove, M.A.
Hove, M.A.Van *see* Van Hove, M.A.
Hovel, H.J. *see* Olowolafe, J.O. 9—56308
Hovel, H.J. *see* Vernon, S.M. 9—100528
Hovem, J.M. *see* Holm, S. 9—74900
Hovem, J.M. *see* Lovik, A. 9—98531
Hoven, G.Van *see* Van Hoven, G.
Hovestadt, D. *see* Gloeckler, G. 9—70938
Hovestadt, D. *see* Ipavich, F.M. 9—58198
Hovestadt, D. *see* Scholer, M. 9—53667
Hovey, J. *see* Hill, K.W. 9—68956
Hovey, J. *see* Strachan, J.D. 9—68954
Hovingh, J. Overview of inertial confinement fusion reactor designs 9—49858
Hovingh, J. An estimate of the diffusion coefficient of lead in molten lithium 9—93828
Hovingh, J., Blink, J., Glenn, L. Response of the laser fusion HYLIFE reactor chamber to the fusion microexplosion 9—89499
Hovingh, J. *see* Monsler, M. 9—49862, 9—85772
Hovland, C.T., Johnson, W.C., Riggs, W.M. Interface analysis 9—70396
Hovmoller, S. *see* Arnberg, L. 9—50936
How, M.J. *see* Newsome, C.S. 9—57184
How, T.V., Ashmore, M.P., Rolfe, P., Lucas, A., Lucas, P.J., Baum, J.D. A Doppler ultrasound technique for measuring human milk flow 9—53200
How-Sen Wong *see* Ven-Chung Lee 9—82652
Howald, A. *see* Eliezer, I. 9—95183
Howald, R.A. *see* Eliezer, I. 9—77765, 9—91985
Howard, A. *see* Dolan, R. 9—62537
Howard, B.J. *see* Odutola, J.A. 9—72371
Howard, C.J. Kinetic measurements using flow tubes 9—74386
Howard, C.J. *see* Davidson, J.A. 9—53494
Howard, C.J. *see* Streit, G.E. 9—70310
Howard, D. Optical fibre acousto-optic modulators 9—98499
Howard, J., Waddington, T.C., Tomkinson, J. An inelastic neutron scattering study of $CsHCl_2$ and CsHClBr 9—89800
Howard, J., Waddington, T.C., Wright, C.J. The study of hydrogen chemisorbed on platinum black by incoherent inelastic neutron scattering 9—60642
Howard, J. *see* Alonso, J.R. 9—79630
Howard, J.E. Imaging properties of off-axis paraboloic mirrors 9—94316
Howard, J.E. *see* Conn, R.W. 9—71974
Howard, L.L., Turner, D.A. Complex impedance of copper films 9—78216
Howard, L.M. *see* Hsfen-Wen Ju 9—53217
Howard, N.A. *see* Morton, N. 9—65426
Howard, N.M. *see* Ashley, G.K., II 9—54545
Howard, P.A., Carbajo, J.J. Experimental study of scram transients in generalized liquid-metal fast breeder reactor outlet plenums 9—67889
Howard, P.A. *see* Carbajo, J.J. 9—49664
Howard, R. The rotation of the Sun 9—75179
Howard, W. *see* Stern, M. 9—56433
Howarth, D.S. *see* Wilhelm, R.V., Jr. 9—99354
Howarth, I.D. The dwarf nova UV Persei 9—71052
Howarth, I.D. *see* Bailey, J. 9—97039
Howarth, J.A., Poots, G., Wynne, D. Laminar film condensation on the underside of an inclined flat plate 9—50700
Howarth, M.E.F. *see* Farnell, G.C. 9—100413
Howe, A.T., Shilton, M.G. Studies of layered uranium(VI) compounds. I. High proton conductivity in polycrystalline hydrogen uranyl phosphate tetrahydrate 9—77809
Howe, D. *see* Kwasnitza, K. 9—60979
Howe, D.A. *see* Walls, F.L. 9—55100
Howe, D.A. *see* Wineland, D.J. 9—71418
Howe, D.G. *see* Francavilla, T.L. 9—61013, 9—69645
Howe, H.C. *see* Isler, R.C. 9—64878
Howe, L.M., Rainville, R.H. The nature of irradiation-produced damaged regions in ordered Zr_3Al 9—60409
Howe, L.M. *see* Schulson, E.M. 9—65123
Howe, L.M. *see* Swanson, M.L. 9—86829
Howe, M.S. Attenuation of sound in low Mach number nozzle flow 9—50721
Howe, M.S. On the theory of unsteady high Reynolds number flow through a circular aperture 9—50735
Howe, M.S. A note on the interaction of unsteady flow with an acoustic liner 9—81857
Howe, R.A. Recent developments in neutron scattering [in liquids] 9—60232
Howe, S.K. *see* Byrne, P. 9—67118
Howe, T.M. *see* Gottula, R.C. 9—49734
Howell, B.J. Measurement of the polarization effects of an instrument using partially polarized light 9—49266
Howell, D.T. *see* Wright, G.L. 9—57517
Howell, J.R. *see* Bannerot, R.B. 9—74540
Howell, P.R. *see* Law, N.C. 9—96033
Howell, R.H., Hopper, R.W. Positron lifetime study of $Fe_{40}Ni_{40}P_{14}B_6$ glass 9—74177
Howell, R.H. *see* Pickles, W.L. 9—87931
Howell, R.L. *see* Sutherland, RM. 9—62271
Howell, W.E. Night versus day cloud seeding in Langmuir's periodic experiment 9—88441
Howell, W.E. *see* Levine, J.S. 9—96786
Howells, W.S. *see* Neilson, G.W. 9—60253
Hower, J.C. A Lower Ordovician geomagnetic pole from Pennsylvania 9—88242
Hower, N. *see* Jako, C. 9—68034
Howerton, R.J. *see* Hansen, L.F. 9—93612
Howerton, W.B. *see* Clark, W.E. 9—59208, 9—85733
Howes, A.E., Brown, J.M. Early and late response of the mouse limb to multifractionated X-irradiation 9—88123
Howes, J.H. *see* Hodgkinson, J.Z. 9—93878
Howes, M.A.H. *see* Bock, F.C. 9—96107
Howes, M.J. *see* Mukherjee, S.D. 9—78153, 9—78176
Howes, M.L. *see* Gehrels, T. 9—66942
Howes, R.J. Existence and stability of circular orbits in a Schwarzschild field with nonvanishing cosmological constant 9—92660
Howes, V.R. Surface resistance to damage of the 'tin side' and the 'air side' of commercially produced thermally toughened and untoughened float glass 9—61612
Howes, W.L. Loudness of steady sounds—a new theory 9—53154
Howie, A. The theory of high energy electron diffraction 9—68985
Howie, R.A. *see* Blake, A.J. 9—94989
Howkins, A.B. Monochrome projection slides and overhead transparencies in color 9—80405
Howland, H.C., Atkinson, J., Braddick, O., French, J. Infant astigmatism measured by photorefraction 9—62242
Howland, L.A. *see* Krakow, W. 9—89041
Howlett, A.D. *see* Moselhy, M.M. 9—92028
Howlett, C.R. *see* Churches, A.E. 9—70566
Howlett, P.H., Smallwood, R.H., Wood, D. A simulator for testing blood pressure monitoring systems 9—83963
Howry, S.K. *see* Chao, A.W. 9—72208
Howson, R.P., Avaritsiotis, J.N., Ridge, M.I., Bishop, C.A. Reactive plating of metal oxides onto insulating substrates 9—87588
Hoxey, R.P. *see* Moran, P. 9—71403
Hoy, A.R. *see* Brand, J.C.D. 9—72343
Hoy, R.J. *see* Fong, C.P. 9—88182
Hoyano, A., Ohnuki, S., Adachi, S., Ohnuma, T. Resonance of a wire antenna near the lower hybrid frequency in an RF-generated magnetoplasma 9—55516
Hoye, E.Van *see* Van Hoye, E.
Hoye, J.S., Stell, G. Dielectric constant of dipole fluid mixtures 9—64969
Hoye, J.S., Stell, G. Correlation functions for an ionic solution in a polar solvent 9—99045
Hoyer, E., Shanmugam, K.S. Estimating heat loss in residential structures using aerial infrared imagery 9—74586
Hoyer, E. *see* Abbott, S. 9—76229
Hoyer, E. *see* Faltens, A. 9—67982
Hoyer, E.H. *see* Behrsing, G.U. 9—54661
Hoyer, P., Peterson, C., Lai, C.-H., Petersen, J.L. Hadron distributions in quark jets 9—54317
Hoyer, P. *see* Cvitanovic, P. 9—89111
Hoyer, U. Kepler's celestial mechanics 9—88787
Hoyng, P., Melrose, D.B., Adams, J.C. Relaxation and bremsstrahlung of thick-target electron streams: a simple applications of the Legendre expansion method 9—70950
Hoyng, P., Stevens, G.A., Melrose, D.B. Practical use of the Legendre-expanded quasi-linear equations for anisotropic particles and Langmuir waves 9—75089
Hoyt, D.V. Apparent atmospheric transmission using the pyrheliometric ratioing technique 9—96809
Hoyt, R.C., Burkhart, L. Control of particle size distribution and agglomeration in continuous ammonium polyuranate precipitation 9—93804
Hoyt, R.F. *see* Mota, A.C. 9—61100
Hoz, C.La. *see* Farley, D.T. 9—100975
Hoz, R. The use of heuristic models in mathematics teaching 9—80385
Hozumi, H. *see* Tambo, N. 9—100455, 9—100457
Hrabovcova, A. *see* Prouza, Z. 9—68113
Hrabovsky, M. *see* Keprt, J. 9—72534
Hrach, R., Stary, V. Computer modelling of thin film growth—the influence of the condensation coefficient 9—77935
Hradaynath, R. *see* Chopra, K.N. 9—76770
Hradaynath, R. *see* Kohli, K.S. 9—72654, 9—81506, 9—83628
Hradaynath, R. *see* Mehta, P.C. 9—81389, 9—86134
Hrdy, J., Krousky, E., Renner, O. A search for Faraday rotation in X-ray region 9—82958
Hrejsa, A.F. *see* Awschalom, M. 9—79628
Hren, J.J., Goldstein, J.I., Joy, D.C. *(editor)* Introduction to analytical electron microscopy 9—97479
Hribar, A.E., Niskode, P.M. On the use of directional microphones for turbine-generator sound level measurements 9—68520
Hristakudis, G., Dimitrova, S. A cryostat for measuring the thermal conductivity coefficient of semiconducting compounds 9—76957
Hristov, H. *see* Kartalev, M.D. 9—75092
Hristova, P.H. Nonelastic scattering of electron antineutrino by electrons in the Weinberg-Salam theory 9—85254
Hrivnak, L., Durovova, B. High-field capture of electrons by a screened Coulomb attractive center 9—56237
Hrma, P. The diffusion theory of ceramic body growth 9—69269
Hron, F. *see* Daley, P.F. 9—84136
Hron, F. *see* May, B.T. 9—53311
Hrossiord, J.Y. *see* Bedjidian, M. 9—85393
Hrouz, J. *see* Ilavsky, M. 9—83247
Hruschka, A.A., Chen, H.H., Jones, L.H., Kropp, W.R. Tests of liquid scintillation counters made with extruded acrylic panels 9—49906
Hruska, A. Low-frequency waves in inhomogeneous magnetic fields 9—60121
Hruska, A. Fluid description of a collisionless plasma and electric current systems in cosmic plasmas 9—84658
Hryniewicz, T. The solution of electropolishing problems in some particular cases 9—91855
Hrynyszyn, V. *see* Helmkamp, R.W. 9—100707
Hsein Che Tseng *see* Yu Mung Shih 9—61139
Hseuh, H.-C. *see* Haustein, P.E. 9—67664
Hseuh-chuang Chao *see* Chao Hseuh-chuang
Hsfen-Wen Ju, Chandler, R.P., Whang-Ho Moon, Howard, L.M. Hepatobiliary dynamic flow study using technetium-99m P-isopropylacetanilidoiminodiacetic acid-tin (Tc-99m pipida) 9—53217

Hsi, E., Vogt, G.J., Bryant, R.G. Nuclear magnetic resonance study of water adsorbed on cellulose 9—78552

Hsi-kun Wang *see* Wang Hsi-kun

Hsi-Ping Liu, Peselnick, L. Mechanical hysteresis loops of an inelastic solid and the determination of rock attenuation properties 9—100826

Hsi-Ping Lung *see* Herman, G.T. 9—83932

Hsia, J.C. *see* Jacob, J.H. 9—98345

Hsia, J.J. *see* Weidner, V.R. 9—75565

Hsia Ke-ting, Liu Lian-fan, Chou Wei-nan, Tsung Pu-he, Yi Wei-hsi Mossbauer study of the Kirin meteorite shower 9—62797

Hsiang-chen Chung *see* Chung Hsiang-chen

Hsiang-Shou Cheng, Ming-Shih Lu, Aronson, A.L., Diamond, D.J. Application of SOR to nonlinear reactor problems 9—59133

Hsiang-ting Wu *see* Wu Hsiang-ting

Hsiao, Y.-J., Lu, B.C.-Y. Extension of Pitzer correlation for compressibility factor calculations 9—86557

Hsiao, Y.Y.R., Amme, R.C. Lyman-α emission from proton bombardment of Si, Cu, Ge, Mo, Ta, and Pt surfaces 9—91503

Hsiao Chi-Nan *see* Chi-Nan Hsiao

Hsieh, C.K., Coldewey, R.W. Dust-trajectory photography technique for flow velocity measurement 9—82008

Hsieh, C.K., Su, K.C. Thermal radiative properties of glass from 0.32 to 206 μm 9—69268

Hsieh, C.K., Su, K.C. Design, construction, and analysis of a continuous-temperature infrared calibrator for temperature measurement using an infrared scanner 9—75530

Hsieh, C.K., Su, K.C., Ellingson, W.A. A model study for quantitative flaw detection using infra-red scanning 9—83400

Hsieh, C.L. *see* Ohyabu, N. 9—60166

Hsieh, D.Y. Nonlinear Rayleigh-Taylor stability with mass and heat transfer 9—90224

Hsieh, H.C.H. *see* Galayda, J. 9—68038

Hsieh, J.J. Zn-diffused, stripe-geometry, double-heterostructure GaInAsP/InP diode lasers 9—98386

Hsieh, L. *see* Lockwood, J.A. 9—75063

Hsieh, S.-H. *see* Canuto, V. 9—92666

Hsieh, S.T. *see* Chuu, D.S. 9—63593

Hsieh, T. Perturbation solutions of unsteady transonic flow over bodies of revolution 9—60000

Hsieh, T.-C. *see* Weiss, M.J. 9—89707

Hsieh, T.K.T. *see* Arnold, S. 9—87564

Hsieh, Y.Y. *see* Johnson, J.L. 9—82091

Hsieh Bang-Jean *see* Bang-Jean Hsieh

Hsieh Chung-Lih *see* Chung-Lih Hsieh

Hsieh Chung-Lu *see* Chung-Lu Hsieh

Hsieh Kuang-chung *see* Fang Li-zhi 9—80332

Hsin-Kang Chang *see* Tai, R.C. 9—94761

Hsin-Pang Wang The alignment error of the hole-drilling method 9—81823

Hsing-tung Wang *see* Wang Hsing-tung

Hsiu-chun Su *see* Su Hsiu-chun

Hsiung, T.H., Thodos, G. Transitional mass-transfer behavior from packed-bed conditions to onset of fluidization 9—86505

Hsiung Hsu Large-signal theory of phase-conjugate backscatterings 9—86211

Hsou-Tao Yu, Wei-Tou Ni, Chin-Cheng Hu, Fa-Hsiang Liu, Chia-Hsiang Yang, Wu-Nan Liu An experimental determination of the gravitational constant at distances around ten meters 9—85051

Hsu, C.C. *see* Hazlett, J.D. 9—73400

Hsu, C.S., Rahman, A. Crystal nucleation and growth in liquid rubidium 9—74144

Hsu, C.T., Mellor, G.L., Yen, J.T. Some flow analyses for Tornado-type wind turbines 9—83555

Hsu, D.K., Leisure, R.G., Ashton, G.R. Saturation studies of nuclear acoustic resonance in aluminum 9—73835

Hsu, D.S.Y., Lin, M.C. Electronic-to-vibrational energy transfer reactions: $Na(3^2P)+CO(X^1S^+, v=0)$ 9—64084

Hsu, D.S.Y., Shortridge, R.G., Lin, M.C. Products vibrational energy distributions in the $O(^3P)+CHF$ reaction 9—61853

Hsu, F.H., Tseng, P.K., Chuang, S.Y., Chong, Y.L. Temperature and phase dependence of positron lifetimes in polyvinyl chloride and polyisoprene 9—83051

Hsu, F.H. *see* Hadley, J.H., Jr. 9—65952

Hsu, G. *see* Yaws, C.L. 9—65218

Hsu, H.H., Wohn, F.K., Williams, S.A. Rotation-vibration structure of ^{196}Pt; an alternative to the O(6)-limit description 9—59019

Hsu, H.K. *see* Barber, D.P. 9—97631

Hsu, J.P. Implications of general covariance and maximum four-dimensional Yang-Mills gauge symmetry 9—63115

Hsu, J.R.C., Tsuchiya, Y., Silvester, R. Third-order approximation to short-crested waves 9—50741

Hsu, J.Y., Matsuda, K., Chu, M.S., Jensen, T.H. Stochastic heating of a large-amplitude standing wave 9—77406

Hsu, K.J. Thin-skinned plate tectonics during Neo-Alpine orogenesis [Switzerland] 9—84207

Hsu, K.K. *see* Barber, D.P. 9—89175

Hsu, M.C. *see* Wu, S.M. 9—93750

Hsu, N.N. *see* Sachse, W. 9—55285

Hsu, S.A. An operational forecasting model for the variation of mean maximum mixing heights across the coastal zone 9—84357

Hsu, S.C. *see* Mehrabian, R. 9—69916

Hsu, S.L. *see* Baughman, R.H. 9—74052

Hsu, S.L. *see* Krimm, S. 9—73277

Hsu, S.-S. A comparison of the melting method with the hydrogenation method for production of uranium silicides 9—85721

Hsu, S.-Y.S., Onjo, K., Hatano, H. Temperature dependence of acoustic emission in an austenitic stainless steel 9—74217

Hsu, T.-L. *see* Konishi, S. 9—51825

Hsu, T.T. *see* Barber, D. 9—54289, 9—54346

Hsu, T.T. *see* Barber, D.P. 9—89175, 9—97631

Hsu, Y., Jen, S., Berger, L. Magnetoresistance of Pd_3Fe and PdFe 9—78070

Hsu, Y.-S. *see* Ghandhi, S.K. 9—83592

Hsu Chao-Yong *see* Dung Sung-Sheng 9—57869

Hsu Hsiung *see* Hsiung Hsu

Hsu Kwei-Lin *see* Teng Chi-Tung 9—62478

Hsu Mao *see* Chen Shou-hsi 9—65175

Hsu Ming-Ta *see* Ming-Ta Hsu

Hsu Yee-chuang, Fu Yun-Peng, Wang Hsi-kun, Wun Nian-le A study of the hollow cathode discharge helium-cadmium white light laser 9—72555

Hsuan, H. *see* Eubank, H. 9—82074

Hsuan Feng Da *see* Da Hsuan Feng

Hsue, S.T. *see* Phillips, J.R. 9—89522

Hsueh, Y. *see* Chi-Yuan Lee 9—57949

Hsueh-Chia Chang, Calo, J.M. Exact criteria for uniqueness and multiplicity of an nth order chemical reaction via a catastrophe theory approach 9—70296

Hsueh-ping Chang *see* Chang Hsueh-ping

Hsueh-ping Wang *see* Wang Hsueh-ping

Hsun Hu Mechanism of recrystallization texture formation in deep-drawing steels 9—87658

Hsung Chang Mao *see* Mao Hsung Chang

Hu, B. The classical Ising model: a quantum renormalization group approach 9—61126

Hu, B.L. Trace anomaly of the energy-momentum tensor of quantized scalar fields in Robertson-Walker spacetime 9—63360

Hu, C., Shum, Y., Klein, T., Lucero, E. Current-field characteristics of oxides grown from polycrystalline silicon 9—99623

Hu, C.-K., Berko, S., Gruzalski, G.R., Turnbull, D. Evidence for microporosity and dislocations in Pb(Cd) alloys from positron annihilation studies 9—78786

Hu, C.P. *see* Keusseyen, R.L. 9—52312

Hu, D.C. *see* Chang, Y.A. 9—56961

Hu, E.L., Jackel, L.D., Epworth, R.W. Adjustable tunneling transmission for Josephson junctions with Sn-Ge barriers 9—65613

Hu, H.L. *see* Hannon, D.M. 9—73785

Hu, K.K. *see* Swartz, S.E. 9—96241

Hu, L.F., Takahashi, K., Salomon, R.E., Labes, M.M. Frequency dependence of pyroelectric current in poly(vinylidene fluoride) heat sinked at various temperatures 9—78630

Hu, S.M. Film-edge-induced stress in substrates 9—94492

Hu, S.M. *see* Patrick, W.J. 9—78188

Hu, T. *see* Elliott, S. 9—50560

Hu Ceng-da *see* Chao Bo-lin 9—80188

Hu Cheng-Cheng *see* Cheng-Cheng Hu

Hu Chia-Ren *see* Chia-Ren Hu

Hu Chin-Cheng *see* Chin-Cheng Hu

Hu Chin-kun *see* Chin-kun Hu

Hu Hsun *see* Hsun Hu

Hu Jia-Wei *see* Peng Hua-shou 9—76301, 9—93887

Hu Jin-ming *see* Li Hua-yu 9—72964

Hu Kuo-Kuang *see* Kuo-Kuang Hu

Hu Ning The field theory treatment of the straton model of hadrons 9—49483

Hu Ning Nonlinear field theory of gluons 9—58923

Hu Ning New models for new particles and weak interactions 9—93334

Hu Ning The analysis of an event involving a high energy particle observed in Yunnan Cosmic Ray Station 9—96872

Hu Ning The relativistic corrections of the gravitational force and the radiation damping of gravitational radiation 9—97272

Hu Shih-rhu *see* Chen Shou-hsi 9—65175

Hu Wen-rui The theory of one-dimensional magnetohydrodynamic flow for homopolar with incomplete electrodes 9—64777

Hu Wen-rui Analysis of MHD flow for discharge in a sheet 9—72997

Hu Wen-rui The co-rotational singularity of a galactic density wave 9—97084

Hu Wen-Rui *see* Qin Yuan-Xun 9—97085

Hu Xin-de *see* Cheng Yue-ying 9—78863

Hu Yao-Cun Connection between chemical kinetics and chemical thermodynamics 9—96352

Hu Zhao-Lin *see* Ma Xing-Xiao 9—50093

Hu Zong-wei *see* Dai Wen-sai 9—84744

Hua Chon Trung *see* Chon Trung Hua

Hua Gao *see* Gao Hua

Hua Ming-chi *see* Han Wei-ping 9—96351

Hua-Kuang Liu *see* Owen, R.B. 9—75499

Hua-shou Peng *see* Peng Hua-shou

Hua-yu Li *see* Li Hua-yu

Hua-zi Yin *see* Yin Hua-zi

Huai-Yong Huang *see* Huang Huai-Yong

Huan-Chen Ge *see* Ge Huan-Chen

Huan-ching Jiang *see* Jiang Huan-ching

Huan-Zhi Zhang *see* Zhang Huan-Zhi

Huang, A., Tsunoda, Y., Goodman, J.W., Ishihara, S. Some optical methods for performing residue arithmetic operations 9—76886

Huang, B.J., Wung, T.Y., Nieh, S. Thermal analysis of black liquid cylindrical parabolic collector 9—74539

Huang, C.C. *see* Teh, K.K. 9—68621

Huang, C.-C. *see* Salamon, M.B. 9—61333

Huang, C.H. A tunnel of dispersion in turbulent shear flow 9—88393

Huang, C.L., Aurora, P.R. Non-linear oscillations of elastic orthotropic annular plates of variable thickness 9—68630

Huang, C.L.D. *see* Woo, H.K. 9—68587

Huang, C.-M. *see* Swartz, S.E. 9—96241

Huang, C.Y., Huber, D.L. μ^+SR in imperfect solids 9—56703

Huang, C.Y. *see* Ho, J.C. 9—55888

Huang, C.Y. *see* Kohn, S. 9—56695, 9—73696

Huang, C.Y. *see* Smith, J.L. 9—78344

Huang, C.Y. *see* Wang, R.H. 9—56392

Huang, C.Y. *see* Yamazaki, T. 9—56707

Huang, D.H. *see* Rama Krishna, N. 9—83692

Huang, H. Transient response of two fluid-coupled spherical elastic shells to an incident pressure pulse 9—68454

Huang, H.-C.W. *see* Murakami, M. 9—90918

Huang, H.M. *see* Yu Mung Shih 9—61139

Huang, H.W. Hydrodynamic solution of the time-dependent Ising model 9—54066

Huang, H.W., Hunter, S.H., Warburton, W.K., Moss, S.C. X-ray absorption edge fine structure of potassium ions in various environments: application to frog blood cells 9—66459

Huang, H.Y., Levine, S.H. An automated optimal multiple-cycle PWR fuel management code 9—85641

Huang, H.Y., Levine, S.H. A new method for optimizing core reloads 9—85642

Huang, J.C.K. Response of the NCAR general circulation model to North Pacific sea surface temperature anomalies 9—53431

Huang, K. *see* Milstein, F. 9—69178

Huang, K.N. Graphical evaluation of relativistic matrix elements 9—58586

Huang, K.-N., Starace, A.F. Ab initio treatment of final-state spin-orbit interactions: Photoionization of the 6s electron in cesium 9—81191

Huang, N.E. On surface drift currents in the ocean 9—53353

Huang, P.N.S. *see* Yan, M.M. 9—76962

Huang, R., Ostrow, S.L., Friedenberg, R.A. REBATE: neutron activation code for the Tokamak fusion test reactor (TFTR) 9—49852

Huang, S.G. *see* Fury, M. 9—95665

Huang, T., Gulbransen, E.A., Meier, G.H. Hot corrosion of Ni-base turbine alloys in atmospheres in coal-conversion systems 9—96200

Huang, T.C. *see* Wilson, L. 9—84364

Huang, T.L. *see* Maa, J.S. 9—65343

Huang, T.T. *see* Frenkiel, F.N. 9—94595

Huang, W.F., Leung, Y.C. Compositional dependence of positron annihilation in Hg-Tl alloys 9—99973

Huang, Y.C. *see* Fujita, K. 9—78935, 9—78936

Huang, Y.-F. *see* Skelland, A.H.P. 9—90299

Huang, Y.H. *see* Miles, M.H. 9—61864

Huang, Y.-N. Ionospheric scintillations at Lunping 9—88545

Huang He-Ling *see* Gu Zi-Ming 9—88477

Huang Huai-Yong On stress drop of earthquake sources 9—62438

Huang Ke-Liang *see* Peng Qiu-He 9—80349

Huang Ming-Hui *see* Ming-Hui Huang

Huang Nan-tang *see* Xu Ji-ren 9—78733

Huang Peng *see* Zou Zhenlong 9—80493

Huang Qing-zhu *see* Zhou Yong-xin 9—74173

Huang Shu-De Some problems in the seismic exploration of complicated basins 9—100961

Huang Sun Ke *see* Sun Ke Huang

Huang Sung-cheng *see* Sung-cheng Huang

Huang Tao, Xue Pei-you The infrared structure and the electromagnetic form factors of quantum chromodynamics in two dimensions 9—58935

Huang Tao *see* Dong Fang-Xiao 9—49481

Huang Tao *see* He Zuo-Xiu 9—49420

Huang Tao *see* Ruan Tu-nan 9—80756

Huang Tao *see* Shen Qi-xing 9—75745

Huang Xi-Yi *see* Gan Zi-Zhao 9—50094

Huang Yung-Nien On some problems regarding solar cosmic ray propagation 9—101035

Huang Zen-wang *see* Zheng Shun-xuan 9—81206

Huard, S. Exchanged momentum between moving atoms and a surface wave: theory and experiment 9—64359

Huard, S. Spin angular momentum of a field interacting with a plane interface 9—81399

Huasheng Pan *see* Pan Huasheng

Huazhong Li *see* Li Huazhong

Huba, J.D., Ossakow, S.L. Destruction of cyclotron resonances in weakly collisional inhomogeneous plasmas 9—77372

Huba, J.D. *see* Gladd, N.T. 9—64856

Hubac, I. The effect of disconnected wavefunction clusters of double excitations on the correlation energy of molecules 9—54773

Hubbard, A.E., Geisler, C.D., Mountain, D.C. Comparison of the spectra of the cochlear microphonic and of the sound-elicited electrical impedance changes measured in scala media of the guinea pig 9—96567

Hubbard, A.E., Mountain, D.C., Geisler, C.D. The spectral content of the cochlear microphonic measured in scala media of the guinea pig cochlea 9—96566

Hubbard, B.M., Hopewell, J.W. Changes in the neuroglial cell populations of the rat spinal cord after local X-irradiation 9—100671

Hubbard, E.N., Angel, J.R.P., Gresham, M.S. Operation of a long fused silica fiber as a link between telescope and spectrograph 9—53721

Hubbard, G.S., Haller, E.E. Germanium charged particle telescopes with ultra-thin detector contacts 9—81130

Hubbard, G.S. *see* Haller, E.E. 9—82627

Hubbard, J. Electronic structure of one-dimensional alloys 9—69391

Hubbard, J. The magnetism of iron 9—78299

Hubbard, J. *see* Jonsson, T. 9—92960

Hubbard, M. *see* Montes, A. 9—98919

Hubbard, W.B. The ϵ Geminorum occultation: evidence for waves or turbulence 9—53748

Hubbell, H.H., Jr. *see* Spears, D.P. 9—81351

Hubbell, J.H. Relativistic atomic form factors and photon coherent scattering cross sections 9—59381

Hubbell, W.L., Bownds, M.D. Visual transduction in vertebrate photoreceptors 9—96561

Hube, D.P. HD 193857: a metallic-line binary 9—75250

Hube, H. *see* Hausler, K.-G. 9—57223

Hubel, D.H., Wiesel, T.N. Brain mechanisms of vision 9—96557

Hubelbank, M., Feldman, C.L. A 60× computer-based Holter tape processing system 9—66567

Hubelbank, M., Feldman, C.L., Morrison, J.B. A multimorphology computerized arrhythmia monitoring system 9—70676

Hubelbank, M. *see* Feldman, C.L. 9—70598

Huber, A. On the definition of entropy for arbitrary phase space densities in classical statistical mechanics 9—63185

Huber, A. *see* Chevrier, J. 9—87569

Huber, A.M., Linh, N.T., Valladon, M., Debrun, J.L., Martin, G.M., Mitonneau, A., Mircea, A. Direct evidence for the nonassignment of oxygen of the main electron trap in GaAs 9—90988

Huber, A.M., Morillot, G., Linh, N.T., Favennec, P.N., Deveaud, B., Toulouse, B. Chromium profiles in semi-insulating GaAs after annealing with a Si_3N_4 encapsulant 9—90693

Huber, C.O. *see* Seemuth, D.P. 9—84918

Huber, D.J. *see* Williamson, E.A., Jr. 9—85594

Huber, D.L. Interaction of a nuclear spin with a soliton gas 9—69736

Huber, D.L., Ching, W.Y., Fibich, M. Numerical studies of the low temperature behavior of a three dimensional planar model of a classical spin glass 9—73725

Huber, D.L., Ching, W.Y., Fibich, M. Propagating modes in a three-dimensional planar model of a classical spin glass 9—99703

Huber, D.L. *see* Ching, W.Y. 9—78385

Huber, D.L. *see* Huang, C.Y. 9—56703

Huber, D.L. *see* Leung, K.M. 9—78053, 9—82565

Huber, D.R., Adams, B.E., Clegg, J.C. Wide-band frequency-modulation system using optical techniques 9—64308

Huber, E.D. An intercomparison of lens design computer programs—a new user's viewpoint 9—86234

Huber, E.D., Sari, S.O. New difference reflectance methods for study of small interfacial effects 9—58804

Huber, E.D. *see* Sari, S.O. 9—69856

Huber, F. *see* Wadepuhl, M. 9—83731

Huber, G. *see* Epherre, M. 9—54383

Huber, G. *see* Hartwig, S. 9—49621

Huber, G. *see* Hattendorff, H.-D. 9—64231

Huber, H. Geometry optimization in ab initio SCF calculations. Floating orbital geometry optimization applying the Hellmann-Feynman force 9—49927

Huber, H.-P. *see* Eickhoff, W. 9—81564

Huber, J. *see* Herbst, P. 9—91681

Huber, J.G., Luengo, C.A. Paramagnetic susceptibility of UPt and CePt 9—61047

Huber, J.G. *see* Luo, H.L. 9—87178

Huber, J.R. *see* Fritsch, H.E. 9—78129

Huber, K. *see* Gunther, W. 9—76263

Huber, M.C.E., Nussbaumer, H., Smith, L.J., Willis, A.J., Wilson, R. IUE observations of absorption by hot gas in the nebula NGC 6888 9—53896

Huber, M.G., Klingenbeck, K. Giant isobaric resonances 9—67776

Huber, M.G. *see* Handel, R. 9—67597

Huber, M.G. *see* Klingenbeck, K. 9—85554

Huber, M.J. *see* Dirksen, C. 9—53387

Huber, M.L. *see* Beer, A. 9—49920

Huber, P.W. *see* Anderson, W.G. 9—49740, 9—54564

Huber, P.W. *see* Sonin, A.A. 9—54563

Huber, T.E. *see* Sereni, J.G. 9—51795

Huber, W., Lopez-Otero, A. The electrical properties of CdTe films grown by hot wall epitaxy 9—82696

Huber, W.K., Rettinghaus, G. Validity of mass spectrometric measurements at pressures exceeding 10^{-4} mbar 9—85198

Huberman, B.A. *see* Boyce, J.B. 9—60549

Huberman, B.A. *see* Doniach, S. 9—56458

Hubert, J. *see* Moisan, M. 9—50868

Hubert, P., Roulet, C., Sergolle, H., Colombani, P., Lagrange, J.M., Vanhorenbeeck, J., Johnson, N.R. Coulomb excitation study of $^{182,184,186}W$ isotopes 9—63577

Huberts, P.K.A.de Witt *see* de Witt Huberts, P.K.A.

Huberty-Popelka, S. *see* Bergsten, R. 9—72477

Hubicka, H., Hubicki, Z. Preparation of pure lanthanum on chelate ion exchangers 9—61538

Hubicki, Z. *see* Hubicka, H. 9—61538

Hubin, M., Garrault, C., Gouault, J., Monnaye, B. Structural and ohmic behaviour of Au-Co thin film alloys prepared by controlled co-evaporation 9—87021

Hubin, M.J. *see* Natalis, P. 9—89710

Hubler, G.K., Waddell, C.N., Spitzer, W.G., Fredrickson, J.E., Prussin, S., Wilson, R.G. High-fluence implantations of silicon: layer thickness and refractive indices 9—82248

Hubler, G.K. *see* Spitzer, W.G. 9—86807

Hubner, H. Sound-absorbing railway wheels for metropolitan public transport 9—50508

Hubner, K. Frequency- and wavenumber-dependent dielectric function in terms of bond parameters 9—56155

Hubner, K. Chemical bond and related properties of SiO_2. VI. Electronic structure of SiO_x 9—65029

Hubner, K. Energy-gap variation at the Si-SiO_x-SiO_2 interface 9—91148

Hubner, K., Engelke, R. Statistical investigations of the structure of SiO_x 9—82175

Hubner, K. *see* Brunet, P. 9—72052

Hubner, K. *see* Hofmann, A. 9—72099

Hubner, R. What is light? 9—94145

Hubral, P. On the computation of shear waves by the ray method 9—53532

Huchra, J.P. *see* Hoessel, J.G. 9—62911

Huchra, J.P. *see* Wade, R.A. 9—62759

Hucht, K.A.Van Der *see* Van Der Hucht, K.A.

Huchtmeier, W.K. The giant H I-envelope of the irregular galaxy IC 10 9—67094

Huchtmeier, W.K., Witzel, A. Extended envelope of neutral hydrogen around M 101 9—62904

Huck, B. *see* Jaeschke, E. 9—72002

Huck, F. *see* Geiger, J. 9—97946

Huck, J. *see* Bechaz, G. 9—69892

Huck, J. *see* Noyel, G. 9—49257

Huckaby, D.A. *see* Heilmann, O.J. 9—80535

Hucke, E. *see* Gauckler, L. 9—66044

Huda, W., Bewley, D.K. X-ray emission analysis of human plasma by proton excitation of thick samples in air 9—84054

Hudak, O. On the character of peculiarities in the position-space renormalization-group transformations 9—97245

Hudd, B.R. Ionic transitions hypersensitive to environment 9—72255

Hudda, F.G. *see* Farrall, G.A. 9—87389

Huddleston, A.L. *see* Agarwal, S.K. 9—92394

Huddleston, R.K., Wetiz, E. Infrared laser induced fluorescence as a spectroscopic probe: applications to CO_2 9—89704

Hudec, R. Optical behaviour of HZ Her/Her X-1 in 1977 9—53855

Hudgens, C.R., Craft, B.D. Feasibility study of a high-precision XRF system for analysis of solutions and slurries 9—81051

Hudgens, J.W., Durant, J.L., Jr., Bogan, D.J., Coveleskie, R.A. Infrared laser driven reverse internal conversion in carbonyl fluoride 9—81230

Hudgens, J.W. *see* Butler, J.E. 9—61842

Hudgin, R.H. *see* Hardy, J.W. 9—58766

Hudgings, D.W. Neutral beam injection for a proton storage ring 9—76156

Hudgings, D.W. *see* Clark, D.A. 9—71995

Hudgins, P.T. *see* Marbach, J.R. 9—62406

Hudimac, A.A. The effect of radiation loading on the equivalent circuit for a piezoelectric polymer transducer 9—94380

Hudina, M., Huggenberger, M. Verification of the thermohydraulic code SCRIMP by different rod bundle experiments 9—97769

Hudman, G.D. *see* McVay, G.L. 9—93723

Hudomalj-Gabitzsch, J. *see* Pipin, G.P. 9—85316

Hudson, A. *see* Wall, B.F. 9—92375

Hudson, B. *see* Carmichael, I.C. 9—72348

Hudson, B.S., Andrews, J.R. The low frequency normal modes of trans, trans-1,3,5,7-octatetraene 9—68217

Hudson, B.S. *see* Bjarnason, J.O. 9—64049

Hudson, E.D. *see* Ball, J.B. 9—54660, 9—68015

Hudson, H. *see* Gosnell, T.R. 9—71150

Hudson, J.B. *see* Sau, R. 9—79291

Hudson, J.G., Squires, P. Continental surface measurements of CCN flux 9—53443

Hudson, J.H. *see* Emiliana, C. 9—62524

Hudson, J.L., Hart, M., Marinko, D. An experimental study of multiple peak periodic and nonperiodic oscillations in the Belousov-Zhabotinskii reaction 9—100380

Hudson, M.C. *see* Dobson, P.J. 9—94362

Hudson, P.J. *see* Evans, P.R. 9—70517

Hudson, S.D. *see* Durig, J.R. 9—89676

Hudspeth, A.J. *see* Corey, D.P. 9—83794

Huebener, R.P. Magnetic flux structures in superconductors 9—91199

Huebener, R.P. *see* Stohr, P.L. 9—56418

Hueber, D. *see* Behar, J. 9—63330

Huebner, H. *see* Himsolt, G. 9—61700

Huebner, J.S. A lecture sized hot-air balloon 9—75308

Huebner, J.S. *see* Duchek, J.R. 9—92166

Huen, A., Findley, D.O., Skov, D.D. Attenuation in Lipowitz's metal of X-rays produced at 2, 4, 10, and 18 MV and gamma rays from cobalt-60 9—61457

Huen, T. Reflectance of thinly oxidized silicon at normal incidence 9—78641

Huenges, E. *see* Daniel, H. 9—68014

Huerta, M. *see* Yoshimura, H.R. 9—59206

Huerta, R., Parker, B. Particle solutions in a unified field theory 9—67205

Huertas, M.L., Fontan, J., Gonzalez, J. Evolution times of tropospheric negative ions 9—70829

Hueschen, M.R. *see* Haller, E.E. 9—63305

Huesman, R.H. *see* Budinger, T.F. 9—66524

Huesman, R.H. *see* Derenzo, S.E. 9—66533

Huestis, D.L. *see* Bischel, W.K. 9—68382

Huestis, D.L. *see* Zamir, E. 9—59671

Huestis, S.P. Extremal temperature bounds from surface gradient measurements 9—84189

Huet, M., Kucal, H., Bigeon, M.C., Husson, X. Measurements of some Lande factors of xenon, using Fabry-Perot interferometry 9—68326

Huet, M. *see* Platchkov, S.K. 9—93541

Huetz, A. *see* Gresteau, F. 9—89617

Huf-Desoyer, G., Asenbaum, A., Sedlacek, M. Vibrational-translational energy exchange in liquid chloroform as a function of temperature as determined by Brillouin scattering 9—73959

Huff, G.A. *see* Hofstetter, K.J. 9—81070, 9—85731

Huff, R.B. *see* Carter, K.N. 9—84909

Huffaker, J.N. Extended accuracy for analytic model potentials for diatomic molecules 9—64066

Huffman, D.R. *see* Kratschmer, W. 9—53873

Huffman, G.P., Stanley, E.B. Effect of solute oxidation on the magnetic properties of nonoriented electrical sheet steel 9—83335

Huffman, G.P. *see* Rao, V.U.S. 9—82831

Huffman, J.K. *see* Marbach, J.R. 9—62406

Hufford, G.L., Lissauer, I.M. A rapid method for recovery of data from expendable surface current probes 9—84518

Huffstutler, M.C. *see* Reif, T.H. 9—84028

Hufner, J., Thies, M. Pion-nucleus scattering and absorption as a solution of the Boltzmann equation 9—89330

Hufner, J. *see* Chiang, H.C. 9—75892

Hufner, S. Electron densities from isotope shifts 9—87351

Hufner, S. *see* Courths, R. 9—52082

Hufner, S. *see* Steiner, P. 9—65980

Hufton, A.P. Radiation dose to the fetus in obstetric radiography 9—92376

Hufton, A.P. *see* Moores, B.M. 9—88151

Hug, G.L. *see* Carmichael, I.C. 9—72348

Hugenschmidt, M., Wey, J. Electrical and optical characteristics of a multichannel N_2-laser 9—59719

Huggenberger, M. *see* Hudina, M. 9—97769

Huggett, R.W. *see* Ruiz, C.L. 9—85438

Huggins, C.E. *see* McGrath, J.J. 9—92191

Huggins, F.E. *see* Rao, V.U.S. 9—82831

Huggins, P.J. *see* Phillips, T.G. 9—92827

Huggins, P.J. *see* Wannier, P.G. 9—62931

Huggins, R.A. *see* Boukamp, B.A. 9—86922

Huggins, R.A. *see* Hellstrom, E.E. 9—96010

Huggins, R.A. *see* Weppner, W. 9—65251

Huggins, R.A., Bube, R.H., Roberts, R.W. *(editor)* Annual review of materials science, vol.8 9—65985

Hughes, A. A schematic eye for the rat 9—74647

Hughes, A.D. *see* Lynn, P.A. 9—53269

Hughes, A.J. *see* Allinson, D.L. 9—65523

Hughes, B.P., Watson, A.J. Compressive strength and ultimate strain of concrete under impact loading 9—70128

Hughes, D.G., Spencer, P.A. Dipolar broadening of double-quantum nuclear magnetic resonances in solids 9—61265

Hughes, D.G., Spencer, P.A. Orientation dependence of the nuclear quadrupole spin-lattice relaxation time in crystals 9—95666

Hughes, D.J., Geddes, L.A., Babbs, C.F., Bourland, J.D. Measurements of Young's modulus of the canine aorta in-vivo with 10 MHz ultrasound 9—57836

Hughes, D.W. *see* Shaw, A. 9—96687

Hughes, E.B. *see* Carrington, R.L. 9—76257

Hughes, E.B. *see* Heath, R.L. 9—72197
Hughes, G. *see* Latham, A. 9—89168
Hughes, G. *see* Morris, J.V. 9—93434
Hughes, G.D. The design of production sputtering systems using high rate magnetron sources 9—66006
Hughes, H.G. *see* Feinberg, B. 9—96763
Hughes, H.P., Webb, C., Williams, P.M. k-dependent photohole scattering in photoemission from VSe_2 9—56912
Hughes, H.P. *see* Beal, A.R. 9—51976
Hughes, I.S. *see* Armstrong, T.A. 9—85344
Hughes, I.S. *see* Evangelista, C. 9—75788, 9—80843
Hughes, J.G. *see* Crothers, D.S.F. 9—98216
Hughes, J.L., Ghatak, A.K. Phased-array optical scanning 9—81514
Hughes, J.L. *see* Ghatak, A. 9—60146
Hughes, J.L. *see* Ghatak, A.K. 9—54984, 9—73014
Hughes, J.L. *see* McLeod, P.S. 9—83122
Hughes, J.M.B. Short-life radionuclides and regional lung function 9—53211
Hughes, J.R., Andy, O.J. The human amygdala. II. Neurophysiological correlates of olfactory perception before and after amygdalotomy 9—100637
Hughes, J.W.B. *see* Backhouse, N.B. 9—89075
Hughes, K.W. *see* Nakosteen, P.C. 9—88120
Hughes, O.H. *see* Nikolic, P.M. 9—55711
Hughes, R. *see* Singh, B. 9—57743
Hughes, R. *see* Soomro, M. 9—86936
Hughes, R.C. Generation, transport, and trapping of excess charge carriers in Czochralski-grown sapphire 9—82646
Hughes, R.E. *see* Levine, J.S. 9—96786
Hughes, R.L. *see* Igel, E.A. 9—74543
Hughes, R.P. *see* Gelbard, E.M. 9—59118
Hughes, T. A review—Asahi Pentax 110. I 9—71544
Hughes, T. A review—Asahi Pentax 110. II 9—71546
Hughes, T.C. Neutron activation analysis 9—66378
Hughes, T.G. *see* Morgan, K. 9—68808
Hughes, T.J., Oldenburg, D.W., Rostoker, G. Interpretation of auroral oval equivalent current flow near dusk using inversion techniques 9—58164
Hughes, T.J., Rostoker, G. A comprehensive model current system for high-latitude magnetic activity. I. The steady state system 9—92636
Hughes, T.J. *see* Rostoker, G. 9—92640
Hughes, T.P. *see* Fawcett, B.C. 9—81175
Hughes, V.A. *see* Viner, M.R. 9—62885
Hughes, V.W. Polarized lepton-hadron scattering 9—67560
Hughes, V.W. *see* Alguard, M.J. 9—76242
Hughes, V.W. *see* Cooper, P.S. 9—58540
Hughes, V.W. *see* Prescott, C.Y. 9—75776
Hughes, V.W. *see* Thompson, P.A. 9—68115
Hughes, W.J., McPherron, R.L., Barfield, J.N., Mauk, B.H. A compressional Pc4 pulsation observed the three satellites in geostationary orbit near local midnight 9—80094
Hughes, Wm.L. Some economic considerations in the rush toward alternative energy sources 9—87940
Hughey, L.R. *see* Rakowsky, G. 9—68032
Hughston, L.P. Twistors and particles 9—97485
Hugi, E. *see* Adams, J.B. 9—68064
Hugi, M. *see* Bodek, K. 9—76015
Huglin, M.B. *see* Bazuaye, A. 9—64132
Hugon, M., Gounand, F., Fournier, P.R., Berlande, J. Collisional properties of highly excited rubidium atoms 9—89761
Hugon, P.Leroux *see* Leroux Hugon, P.
Huguenin, G.R. *see* Moran, J.M. 9—92779
Huguenin, P. What is the mean impact parameter for a fixed scattering angle? 9—58589
Huguenin, R. *see* Acker, F. 9—56533, 9—61111
Huguenin, R. *see* MacInnes, W.M. 9—60821
Huhanantti, M., Hietanen, J., Anttila, R., Kauppinen, J. The infra-red spectrum of C_2D_2 in the region of the bending fundamental ν_5 9—50020
Huhns, M.N. *see* Thompson, J.E. 9—70604
Hui, A.K., McKeever, M.R., Tellinghuisen, J. Temperatures of Tesla discharges from OH A→X intensity measurements 9—64939
Hui, A.K. *see* Sur, A. 9—59482
Hui, B.H. *see* Winsor, N.K. 9—98965
Hui, S.W., Costa, J.L. Topography and thickness of air-dried human platelets measured by correlative transmission and scanning electron microscopy 9—84041
Hui, W.H., Hamilton, J. Exact solutions of a three-dimensional nonlinear Schrodinger equation applied to gravity waves 9—77147
Hui, W.H. *see* Dungey, J.C. 9—100873
Hui Kin-Kwok *see* Kin-Kwok Hui
Hui-jiang Chen *see* Chen Hui-jiang
Hui-shu Jin *see* Jin Hui-shu
Hui-Xian Liu *see* Liu Hui-Xian
Huibang Luo *see* Luo Huibang
Huignard, J.P., Herriau, J.P. Bismuth silicon oxide crystals and application: real-time holographic recording 9—72540
Huignard, J.P., Herriau, J.P. New possibilites of real-time interferometry with photoconductive electro-optic crystals Bi_{12} SiO_{20} 9—86142
Huijben, M.J., Van Der Lugt, W. X-ray and neutron diffraction from liquid alkali metals 9—51046
Huijer, E., Watson, J.K. Hysteretic properties of Permalloy I-bars 9—78439
Huilgol, R.R. Nearly extensional flows 9—60018
Huilgol, R.R. Viscometric flows and corotational stress relations 9—90212
Huiskamp, W.J. *see* Hunik, R. 9—65644
Huisman, P.A.G., Mijlhoff, F.C. Molecular structure of vinylchloride in the gas phase as determined from electron diffraction and microwave data 9—76421
Huiszoon, C. *see* Mulder, F. 9—89599
Huizenga, J.R. *see* Breuer, H. 9—76020
Huizenga, J.R. *see* Hilscher, D. 9—93591, 9—93653
Huizinga, S., Kommandeur, J., Sawatzky, G.A., Thole, B.T., Kopinga, K., de Jonge, W.J.M., Roos, J. Spin-Peierls transition in N-methyl-N-ethyl-morpholinium-ditetracyanoquinodimethanide [MEM-$(TCNQ)_2$] 9—82803
Hujdur, A., Dobrosavljevic, L. Antilinear operators and pairing in the gapless superconductors 9—51716
Hujdur, A., Dobrosavljevic, L. Pair correlations in ^{3}He 9—55988
Hujisawa, T. *see* Kobayashi, M. 9—77780, 9—78911
Hujita, A. *see* Ogawa, T. 9—79919
Hukins, D.W.L. *see* Aspden, R.M. 9—62177
Hukuda, K. *see* Niimori, K. 9—65716
Hulbert, J.A. *see* Ormrod, J.H. 9—54657
Huldt, L., Nilsson, N.G., Sundstrom, B.O., Zdanowicz, W. Photoluminescence of zinc phosphide—Zn_3P_2 9—87502
Huldt, S. *see* Engstrom, L. 9—89645
Huler, E. *see* Alfassi, Z.B. 9—94224
Hulin, J.P. *see* Elleaume, P. 9—55964
Hulin, M. *see* Betbeder-Matibet, O. 9—95308
Hull, D.L., Tessner, P.D., Diamond, A.M. Planck's principle 9—62991
Hull, D.M. *see* Vartsky, D. 9—83914
Hull, D.R. *see* Kantor, G.J. 9—92291
Hull, G.W. *see* Wernick, J.H. 9—74080
Hull, J.L. *see* Muckenthaler, F.J. 9—59226
Hull, M.L., Mote, C.D., Jr. Correlation of leg loading components in snow skiing 9—96608
Hull, M.N. *see* Davis, S.M. 9—61967
Hulle, M.E.Van *see* Van Hulle, M.E.
Huller, A., Prager, M. Total neutron scattering cross section for molecules in the torsional ground state multiplet 9—50954
Huller, A. *see* Raich, J.C. 9—65022
Hulliger, F. New ternary anti-Th_3P_4-type europium compounds 9—65048
Hulliger, F., Siegrist, T. Low-temperature phase transitions in GdS, GdSe and GdTe 9—99700
Hulliger, F. *see* Ott, H.R. 9—61060
Hullin, C. Improving the homogeneity of the inspection trace of line-focused ultrasonic probes 9—94428
Hulse, K. *see* Predel, B. 9—51278, 9—52743
Hulsizer, R.I. *see* Brick, D. 9—58980
Hulsman, H. *see* De Langhe, E. 9—50334
Hulst, J.M.van der *see* van der Hulst, J.M.
Hulst, K.van *see* van Hulst, K.
Hulsteyn, D.B.van *see* van Hulsteyn, D.B.
Hulsteyn, D.B.Van *see* Van Hulsteyn, D.B.
Hulston, J.R. *see* Barnes, I. 9—62528
Hulsurkar, S. Thermo-elastic-plastic transition in rotating disks with steady state temperature 9—64528
Hultberg, S. *see* Andresen, B. 9—50127
Hulth, P.O. *see* Aahlin, P. 9—93468
Hulth, P.O. *see* Barnham, K.W.J. 9—85293
Hulth, P.O. *see* Blietschau, J. 9—93396
Hulton, W.C. *see* Gunner, C.W. 9—57698
Hultqvist, B. The hot ion component of the magnetospheric plasma and some relations to the electron component—observations and physical implications 9—80106
Hultschig, H. *see* Brandelik, R. 9—63491, 9—93441
Hultzsch, W., Kronast, W., Niehaus, A., Ruf, M.W. Investigation of the spontaneous ionisation mechanisms in slow collisions of He^+ with Ca and Ba, and of Ne^+ with Ba 9—64090
Humbad, N.G. Correction to a paper entitled 'A simplified Mach number scaling law for helicopter rotor noise' 9—72753
Humbert, G. *see* Bouget, Y.H. 9—59124
Humble, J.E. *see* Fenton, A.G. 9—53687
Humble, P. Computed electron micrographs and their use in defect identification 9—69101
Hume, S.P., Marigold, J.C.L., Field, S.B. The effect of local hyperthermia on the small intestine of the mouse 9—88054
Hume, S.P., Rogers, M.A., Field, S.B. Heat-induced thermal resistance and its relationship to lysosomal response 9—57595
Hume, S.P. *see* Hand, J.W. 9—100795
Humlicek, J. *see* Lukes, F. 9—83537
Hummel, R.L. *see* Esmail, M.N. 9—50698
Humpert, B., van Neerven, W.L. Ambiguities in the infrared regularization of QCD 9—71705
Humpert, B., Van Neerven, W.L. On the non-leading $q\bar{q}$ and qg contributions in Drell-Yan processes 9—85269
Humpert, B. *see* Abad, J. 9—63446
Humpherys, K.C., Kantz, A.D. Dosimetry and quality control in electron beam processing 9—49871
Humphrey, F.B. *see* Gallagher, T.J. 9—56581
Humphrey, F.B. *see* Ju, K. 9—78470
Humphrey, F.B. *see* MacNeal, B.E. 9—56582, 9—56583, 9—99737
Humphrey, F.B. *see* Vural, K. 9—87296
Humphrey, H.W. Verification of ^{235}U enrichment in SNM receipts at the DOE Feed Materials Production Center 9—85756
Humphrey, J.W. *see* Gibbard, B.G. 9—71756
Humphrey, W.S., Stainslaw, J. Economic growth and energy consumption in the UK, 1700-1975 9—79364
Humphreys, C.J. *see* Buckley-Golder, I.M. 9—60288
Humphreys, P.D. *see* Collins, G.B. 9—89459
Humphreys, R. *see* Merlin, R. 9—95784
Humphreys, R.A.M., Liebert, J., Romanishin, W., Strittmatter, P.A. LP182-44: a faint, high-velocity degenerate star with probable carbon features 9—67007
Humphreys, R.G., Rossler, U., Cardona, M. Indirect exciton fine structure in GaP and the effect of uniaxial stress 9—95805
Humphreys, R.M. Studies of luminous stars in nearby galaxies. II. M supergiants in the Large Magellanic Cloud 9—62820
Humphreys, R.M. M supergiants and the low metal abundances in the Small Magellanic Cloud 9—96995
Humphreys, R.M., Davidson, K. Studies of luminous stars in nearby galaxies. III. Comments on the evolution of the most massive stars in the Milky Way and the Large Magellanic Cloud 9—101191
Humphreys, R.M. *see* van den Bergh, S. 9—62903
Humphries, C.M., Reddish, V.C. Britain's new telescope 9—75103
Humphries, J.R. *see* Neuschaefer, H.E. 9—93794
Humphries, S., Jr., Juswa, G.W. Microsecond operation of a general purpose pulsed proton gun 9—89510
Humphries, S., Jr., Kuswa, G.W., Mendel, C.W., Poukey, J.W. High current linear ion accelerators utilizing electron neutralization 9—72016
Humphries, S., Jr., Mendel, C.W., Jr., Kuswa, G.W., Goldstein, S.A. High-intensity carbon ion injector 9—89512
Humphry, F.J. *see* Potter, J.M. 9—71988, 9—72170
Hun Chung Bo *see* Chung Bo Hun
Hunag Jie-Hao *see* Peng Qiu-He 9—80349
Hunderi, O. Thin film optical properties in relation to film structure 9—78773
Hunderi, O., Granqvist, C.G. Selective absorption of solar energy in chromium particles: model calculations 9—79405
Hunderi, O. *see* Granqvist, C.G. 9—57440, 9—78772, 9—99965
Hung, N. New numerical approach to solutions of the unsteady incompressible laminar boundary layers about an elliptic cylinder started impulsively 9—72876
Hung, R.J., Kuo, J.P. Ionospheric observation of gravity-waves associated with Hurricane Eloise 9—66872
Hung, R.J., Phan, T. Coupling of ionosphere and troposphere during the occurrence of isolated tornadoes on November 20, 1973 9—70851
Hung, R.Y. *see* Lynch, R.T., Jr. 9—50323
Hung, Y.Y., Liang, C.Y. Image-shearing camera for direct measurement of surface strains 9—58773
Hung, Y.Y. *see* Liang, C.Y. 9—68665
Hung Tin-Kan *see* Tin-Kan Hung
Hung Tsu-Chang *see* Tsu-Chang Hung
Hung Wu Chong *see* Wu Chong Hung
Hung-Cheng Li *see* Li Hung-Cheng
Hunger, W., Scherzer, R., Enge, W., Roose, U. Plastic detector technique in fast neutron radiography 9—76299
Hungerbuhler, V. *see* Chilingarov, A. 9—54365, 9—54368
Hungerford, E. *see* Marlow, D. 9—85564
Hungerford, E.V. *see* Hoftiezer, J.H. 9—85509
Hungerford, E.V. *see* Pipin, G.P. 9—85316
Hungerford, P. *see* Scott, S.M. 9—93499
Hunik, R., Bongers, E., Konter, J.A., Huiskamp, W.J. Two stage nuclear demagnetization experiments 9—65644
Hunke, R.W. *see* Poche', A.J. 9—52898
Hunklinger, S. Anomalous properties of glasses at low temperatures 9—65164
Hunklinger, S. *see* Arnold, W. 9—60439, 9—95273
Hunklinger, S. *see* Schickfus, M.V. 9—61300
Hunn, B.D. *see* Graven, R.M. 9—57456
Hunsinger, B.J. *see* Datta, S. 9—68534, 9—81596
Hunsinger, B.J. *see* Malocha, D.C. 9—68535
Hunt, A.L. *see* Turner, W.C. 9—86589

Hunt, B.G. Atmospheric vacillations in a general circulation model. I. The large-scale energy cycle 9—53430
Hunt, B.G., Wells, N.C. An assessment of the possible future climatic impact of carbon dioxide increases based on a coupled one-dimensional atmospheric-oceanic model 9—58082
Hunt, B.L., Dexter, P.C. Pressures on a slender body at high angle of attack in a very low turbulence level air stream 9—77164
Hunt, B.R. Matrix formulation of the reconstruction of phase values from phase differences 9—59642
Hunt, B.W. *see* Priest, N.D. 9—53252
Hunt, C.E.L., Wood, J.C., Bain, A.S. Long-term storage of fuel in water 9—93737
Hunt, D.C. *see* Dunmur, D.A. 9—50843
Hunt, D.G., Darlington, M.W. Prediction of creep of nylon-6,6 at constant stress, temperature and moisture content 9—68603
Hunt, G. The Voyager mission—to the outer planets 9—62718
Hunt, G. *see* Clark, D. 9—53509
Hunt, G.E. Thermal infrared properties of the Martian atmospheres. IV. Predictions of the presence of dust and ice clouds from Viking IRTM spectral measurements 9—84712
Hunt, G.E., Muller, J.-P. Voyager observations of small-scale waves in the equatorial region of the Jovian atmosphere 9—92713
Hunt, G.E., Muller, P. Comments on Light and dark spots in the equatorial regions of Jupiter 9—84739
Hunt, G.E. *see* Cook, A.F., II 9—92714, 9—96952
Hunt, G.E. *see* Ingersoll, A.P. 9—92711
Hunt, G.E. *see* Martin, T.Z. 9—84709
Hunt, G.E. *see* Mitchell, J.L. 9—92712
Hunt, I.A., Joubert, P.N. Effects of small streamline curvature on turbulent duct flow 9—60064
Hunt, J.C.R. *see* Branover, H. 9—60070
Hunt, J.C.R. *see* Britter, R.E. 9—68712
Hunt, J.C.R. *see* Puttock, J.S. 9—81865
Hunt, J.L. *see* Gibbs, P. 9—81202
Hunt, J.T. *see* Auerbach, J.M. 9—89946
Hunt, K.H. *see* Haney, R.L. 9—79852
Hunt, R. Accretion of gas having specific heat ratio 4/3 by a moving gravitating body 9—70951
Hunt, R.A., McCartney, L.N. A new approach to Weibull's statistical theory of brittle fracture 9—81810
Hunt, R.D. *see* Smith, F.B. 9—70490
Hunt, R.H. *see* Brown, L.R. 9—72310
Hunter, A.M., II Analysis of the CO_2 laser transverse mode-medium instability 9—76662
Hunter, A.M., II *see* Johnson, T.H. 9—59676
Hunter, C.W. *see* Duncan, D.R. 9—89378
Hunter, C.W. *see* Johnson, G.D. 9—89377
Hunter, D.L., Baker, G.A., Jr. Methods of series analysis. III. Integral approximant methods 9—71392
Hunter, J.B. *see* Kino, G.S. 9—77033
Hunter, J.J. *see* Green, W.L. 9—68863
Hunter, P.E., Libelo, L.F., Tanaka, T. Equivalence of large biquadratic exchange to small uniaxial single ion anisotropy 9—78292
Hunter, R.J., Frayne, J. Couette flow behavior of coagulated colloidal suspensions. IV. Effect of viscosity of the suspension medium 9—90317
Hunter, R.S., Crimmins, D.H., Jr. Gas cooled fast breeder reactor and HBA 9—49830
Hunter, S.C. Some exact solutions in the theory of finite elasticity for incompressible neo-Hookean materials 9—63037
Hunter, S.H. *see* Huang, H.W. 9—66459
Hunter, S.J., Hipps, K.W., Francis, A.H. Spectroscopy and optically detected magnetic resonance studies of PO_2^- in potassium chloride. I. Electronic and vibrational states 9—65768
Hunter, S.J., Hipps, K.W., Francis, A.H. Spectroscopic and optically detected magnetic resonance studies of PO_2^- in potassium chloride. II. Magnetic resonance analysis 9—87333
Hunter, S.R. *see* Brooks, H.L. 9—98219
Hunter, S.R. *see* Reid, I.D. 9—90359
Hunter, T.F. *see* Avramides, E. 9—72402
Hunter, T.O., Abdel-Khalik, S.I., Kulcinski, G.L. Response of first walls in inertial confinement reactors to thermonuclear radiation 9—76133
Hunter, T.O., Kulcinski, G.L. The effect of inert gases on the thermal response of a fusion reactor first wall to X-ray radiation 9—85776
Hunter, W. *see* Miller, D. 9—49353
Huntingford, J.R. Fibre optic recorders for traces and images 9—67292
Huntley, D. On the detection of shallow aquifers using thermal infrared imagery 9—84326
Huntley, D.J. *see* Wintle, A.G. 9—74871
Huntress, W.T., Jr., Mitchell, G.F. The synthesis of complex molecules in interstellar clouds 9—92826
Huntress, W.T., Jr. *see* Karpas, Z. 9—64098
Huntress, W.T., Jr. *see* Mitchell, G.F. 9—53897
Huntsberger, J.R. Interfacial energies, contact angles, and adhesion 9—91904
Huntsberger, T.L. *see* Girard, T.A. 9—63973
Huntz, A.M., Aucouturier, M. Accuracy of tracer diffusion measurements in Fe-Cr system using tracer analysis 9—82376
Huntz, A.M. *see* Armanet, F. 9—79165
Huntz, A.M. *see* Delaunay, D. 9—83382
Huntz, A.M. *see* Moulin, P. 9—95203
Hunziker, H.E. *see* Wendt, H.R. 9—63997
Huo, W.M. Limiting slope of the generalized oscillator strength vs. momentum transfer curve 9—98155
Huo Chong-Ru *see* Gu Shi-Jie 9—50292
Huong, P.V. *see* Desbat, B. 9—59464, 9—96410
Huong Junhui, Lin Zhiqing Determination of amount of cyanide in seawater 9—52966
Huppert, D., Dodiuk, H., Kanety, H., Kosower, E.M. Picosecond spectroscopic measurement of very fast intersystem crossing for 9,10-dioxa-anti-bimanes 9—85998
Huppert, D. *see* Smith, K.K. 9—83475
Huppertz, H., Engl, W.L. Modeling of low-pressure deposition of SiO_2 by decomposition of TEOS 9—87582
Huppi, E.R. *see* O'Neil, R.R. 9—66855
Huppi, K. *see* Sakano, H. 9—83701
Huppi, R.J. *see* Vanasse, G.A. 9—97443, 9—97445
Hupping, N. *see* Banerjea, A. 9—69266
Huppmann, W.J. *see* Muster, W.J. 9—86895
Huppmann, W.J. *see* Yoon, D.N. 9—61532
Huq, M. *see* Moody, D.E. 9—61155
Hurd, A.J. *see* Clark, N.A. 9—99097
Hurd, C.M., McAlister, S.P. Spin-orbit electron scattering in AuFe alloys near the percolation limit 9—73492
Hurd, C.M. *see* McAlister, S.C. 9—91027
Hurd, R.A. Low-frequency scattering by a slit in an impedance plane 9—86110
Hurdus, M.H., Tomlinson, L. Etching of oxide scales on chromium ferritic steels 9—70204
Hurek, J. *see* Turska, E. 9—94921
Hurell, J. *see* Suhl, H. 9—56423
Hurlbut, F.C. *see* Jih, C.-T.R. 9—95894
Hurle, D.T.J. Revised calculation of point defect equilibria and non-stoichiometry in gallium arsenide 9—90644
Hurle, D.T.J. Solubility and point defect-dopant interactions in GaAs. I. Tellurium doping 9—90687
Hurle, D.T.J. Solubility and point defect-dopant interactions in GaAs. II. Tin-doping 9—90688
Hurle, D.T.J. Solubility and point defect-dopant interactions in gallium arsenide. III. Germanium-doping 9—90689
Hurley, A.C. *see* Taylor, P.R. 9—68197
Hurley, F.W. *see* Ewbank, W.B. 9—80862
Hurley, G.F., Gac, F.D. Structure and thermal diffusivity of plasma-sprayed Al_2O_3 9—86932
Hurley, P.M. *see* Gaudette, H.E. 9—84213
Hurley, R.E., Holliday, J.H. Electrode surface effects in the high voltage glow discharge 9—64955
Hurley, W.J. *see* Cooper, T.W. 9—83610
Hurricks, P.L. The effect of applied voltage on the frictional behaviour of carbon black filled elastomers 9—74266
Hurrle, A. *see* Deal, B.E. 9—65110
Hurst, C.A. *see* Cant, A. 9—67460
Hurst, C.A. *see* Carey, A.L. 9—63391
Hurst, G.S., Kramer, S.D., Payne, M.G., Young, J.P. A generalization of one-atom detection 9—52800
Hurst, G.S., Payne, M.G., Kramer, S.D., Young, J.P. Resonance ionization spectroscopy with amplification 9—54996
Hurst, G.S. *see* Kramer, S.D. 9—81189
Hurst, M.J. *see* Fifield, L.K. 9—67701
Hurster, W., Fischer, Th., Hammel, G., Kern, K., Kettle, P., Kleinschmidt, M., Lehmann, L., Rossle, E., Schmitt, H., Sheppard, D.M. Neutron-proton charge exchange scattering between 200 and 600 MeV 9—67571
Hurster, W., Fischer, Th., Hammel, G., Kern, K., Kettle, R., Kleinschmidt, M., Lehmann, L., Rossle, R., Schmitt, H. Angular distribution of the reaction $np \rightarrow d\pi^0$ between 350 MeV$<T_n<$580 MeV 9—75784
Hurster, W. *see* Fischer, Th. 9—75782
Hurster, W. *see* Kleinschmidt, M. 9—75785
Hursthouse, M.B. *see* Bloor, D. 9—73922
Hurt, R.F. *see* Doerner, R.C. 9—93779
Hurt, R.F. *see* Meek, C.C. 9—54527
Hurtig, E. *see* Cermak, V. 9—70765
Hurzeler, P., De Caprio, V., Furman, S. Proposed cardiac pacemaker system combining unipolar stimulation with bipolar sensing 9—70705
Husain, J. New sensitive approaches to radioisotope dating 9—59707
Husain, J. The contraction of graded Lie algebras 9—89073
Husain, L., Samson, P.J. Long-range transport of trace elements 9—58044
Husain, L. *see* Dutkiewicz, V.A. 9—58011
Husain, M. *see* Ahmad, S. 9—80962
Husain, M. *see* Kalam, M.A. 9—52835
Husain, S.A. Wind power for bird scarer to be used in orchards and grain-fields 9—70423
Husain, Z.D., Hussain, A.K.M.F. Axisymmetric mixing layer: influence of the initial and boundary conditions 9—94689
Husak, V., Vlcek, J. Long-lived ^{99}Tc in generator-produced ^{99m}Tc, its determination and significance 9—88188
Huseby, I.C., Klug, F.J. Chemical compatibility of ceramics for directionally solidifying Ni-Base eutectic alloys 9—87623
Husebye, E.S. *see* Bungum, H. 9—74855
Huseyin, K. *see* Mandadi, V. 9—75331
Hush, N.S. *see* Hilton, P.R. 9—81242
Hush, N.S. *see* John, I.G. 9—59462
Hush, N.S. *see* Taylor, P.R. 9—68197
Husiak, D. *see* Geacintov, N.E. 9—98137
Husinsky, W., Bruckmuller, R. Energy spectra of sputtered Na atoms from bombardment of NaCl with 20 keV rare gas ions 9—52068
Huskisson, N.S., Ward, P.F.V. A reliable method for scintillation counting of $^{14}CO_2$ trapped in solutions of sodium hydroxide, using a scintillant suitable for general use 9—62410
Husmann, D. *see* Brefeld, W. 9—63826, 9—68002
Huson, F.R. *see* Cline, D.B. 9—68004
Huss, D. *see* Armenise, N. 9—67533
Huss, H. Analysis of static bubble collapse in an inhomogeneous external magnetic field 9—95621
Hussain, A. *see* Kihlborg, L. 9—77577
Hussain, A.A.A., Al-Bassam, S. Effects of deposition parameters on the structure of thin gadolinium films 9—90912
Hussain, A.K.M.F. *see* Hasan, M.A.Z. 9—72741
Hussain, A.K.M.F. *see* Husain, Z.D. 9—94689
Hussain, F. *see* Safdar, M. 9—91811
Hussain, I.M. *see* Mynett, J.A. 9—62092
Hussaini, M.Y. *see* Degani, D. 9—77172
Hussam, A. *see* Kalam, M.A. 9—52835
Hussein, A.H. *see* Soukup, J. 9—67669
Hussein, A.M., Ristic, V.M. The evaluation of the input admittance of SAW interdigital transducers 9—94439
Hussein, A.M. *see* Amein, W.H. 9—50866
Hussein, E. *see* Banerjee, S. 9—90321
Hussein, M.S. *see* Donangelo, R. 9—59083, 9—67726
Husseiny, A.A., Sabri, Z.A., Harris, D.R., Dei, D.E. Quantum-mechanical slowing-in distribution of energetic charged particles released in infinite Maxwellian thermonuclear plasmas. I 9—86588
Husseiny, A.A., Sabri, Z.A., Harris, D.R., Dei, D.E. Slowing-in distribution of energetic charged particles released in infinite Maxwellian thermonuclear plasmas: classical regime. II 9—90418
Husseiny, A.A. *see* Sabri, Z.A. 9—85621
Hussey, R.G. *see* Stalnaker, J.F. 9—64624
Hussey, R.J. *see* Caplan, D. 9—61790
Hussla, I. *see* Heidberg, J. 9—69914
Hussmann, E.K., Becker, H.J. Solar radiation absorption in various cover systems and absorbers of flat plate collectors as a function of the angle of incidence 9—62068
Husson, E. *see* Repelin, Y. 9—91446
Husson, L. *see* Citron, A. 9—81113
Husson, X., Grandin, J.P., Kucal, H. HFS of some 6p, 7p, 4f and 5f levels of ^{129}Xe and ^{131}Xe 9—68211
Husson, X. *see* Huet, M. 9—68326
Hussong, D. *see* Malahoff, A. 9—53331
Hustache, R. Selection of monocrystalline blocks in a beryllium crystal by neutron topography 9—76244
Husted, R.F. *see* Eyman, E.D. 9—96529
Hustopecky, J., Vlachy, J. Identifying a set of inequality measures for science studies 9—58523
Hutcheon, D.A. *see* Anderson, A.N. 9—71834
Hutcheon, D.A. *see* Blackmore, E.W. 9—72060
Hutcheon, D.A. *see* Greeniaus, L.G. 9—75961
Hutcheon, D.A. *see* James, A.N. 9—93614
Hutcheon, D.A. *see* Kitching, P. 9—67755
Hutcheon, R.M., Schriber, S.O., Funk, L.W., Sherman, N.K. Choosing a therapy electron accelerator target 9—70618
Hutcheson, L.D. *see* White, I.A. 9—86252
Hutchings, I.M. Estimation of yield stress in polymers at high strain-rates using G.I. Taylor's impact technique 9—64605
Hutchings, J.B. The possible black hole binary HD152667 9—53858
Hutchings, J.B. Spectroscopic studies of V1500 (Nova) Cygni. III. The nebula and central binary system 9—62830
Hutchings, J.B. HDE 313846: The most extreme Of star 9—88682
Hutchings, J.B., Cowley, A.P., Crampton, D. The interactive binary in Nova DQ Herculis 9—97029
Hutchings, J.B., Cowley, A.P., Crampton, D., van Paradijs, J., White, N.E. Centaurus X-3 9—53934
Hutchings, J.B., Nemec, J.M., Cassidy, J. Further studies of stellar rotation from Copernicus satellite data 9—84795
Hutchings, J.B. *see* Cowley, A.P. 9—58375, 9—97099
Hutchings, J.B. *see* Crampton, D. 9—80327
Hutchings, J.B. *see* Gregory, P.C. 9—88755
Hutchings, M.J. *see* Culshaw, B. 9—98830
Hutchings, M.T., Parisot, G., Tocchetti, D. High energy spin waves in nickel sulphide 9—51765

Hutchings, M.T. *see* Challis, L.J. 9—60441
Hutchings, M.T. *see* Dickens, M.H. 9—60450
Hutchings, M.T. *see* Ikeda, H. 9—56528
Hutchins *see* Brewer, D.F. 9—51388
Hutchins, R.H. *see* Klemencic, I. 9—64353
Hutchinson, D.A. *see* Deboer, J.W.M. 9—52694
Hutchinson, I. *see* Overskei, D.O. 9—60173
Hutchinson, I. *see* Schuss, J.J. 9—82078
Hutchinson, I.H. Cyclotron radiation in Alcator Tokamak 9—60171
Hutchinson, J.R. Axisymmetric flexural vibrations of a thick free circular plate 9—64575
Hutchinson, J.S., Wyatt, R.E. Detailed dynamics of collinear $F+H_2$ trajectories 9—70311
Hutchinson, P. *see* Dixon, M. 9—99047
Hutchinson, P. *see* James, P.W. 9—90311
Hutchinson, T.E., Johnson, D.E., Mackenzie, A.P. Instrument for direct observation of frozen hydrated specimens in the electron microscope 9—92454
Hutchinson, W.B., Tchorzewski, R.M. The influence of texture on the fracture toughness of titanium-6Al-4V 9—91801
Hutchison, C.A., Jr., Kemple, M.D. EPR and ENDOR of triplet state diphenyl-h_{10} in diphenyl-d_{10} single crystals. Structural implications 9—94021
Hutchison, C.A., Jr., Kim, S.S. Electron paramagnetic resonance and electron-nuclear double-resonance of $^{143}Nd^{3+}$ and $^{145}Nd^{3+}$ in yttrium-trichloride single crystals 9—78515
Hutchison, J. *see* Celli, V. 9—100012
Hutchison, R., Bevan, A.W.R., Agrell, S.O., Ashworth, J.R. Accretion temperature of the Tieschitz, H3, chondritic meteorite 9—75166
Hutcht, K.A.van der *see* van der Hutcht, K.A.
Hutin, D., Storck, A. Local study of wall to liquid mass transfer in fluidized and packed beds. I. Mass transfer in fluidized beds 9—94713
Hutin, D., Storck, A., Coeuret, F. Local study of wall to liquid mass transfer in fluidized and packed beds. II. Mass transfer in packed beds 9—94714
Hutson, R.L. *see* Heffner, R.H. 9—56686
Hutson, R.L. *see* Leon, M. 9—76534
Hutt, W. *see* Morikawa, Y. 9—50782
Huttenrauch, R., Keiner, I. Influence of lattice defects upon mixing processes 9—73313
Hutter, K. *see* Olunloyo, V.O.S. 9—68611
Hutton, A. Insertion design for e^+e^- storage rings 9—72100
Hutton, A. Optimization of luminosity for e-p collisions 9—76230
Hutton, A. *see* Brunet, P. 9—72052
Hutton, R.S. *see* Roth, H.D. 9—89688
Hutton, S.P., Small, D.J. Rotor thrust measurements on a 10″ axial flow gasmeter 9—68848
Hutton, W.C. *see* Cyron, B.M. 9—100645
Hutton, W.C. *see* Dhanendran, M. 9—100760
Hutton, W.C. *see* Gunner, C.W. 9—100644
Huttunen, P. *see* Appleby, P.G. 9—74916
Huu Anh Nguyen *see* Nguyen Huu Anh
Huu Duc Hguyen *see* Hguyen Huu Duc
Huu Tinh, Gasparoux, H. New series exhibiting pure enantiotropic nematic reentrant compounds at atmospheric pressure 9—77506
Huu Tinh Nguyen *see* Nguyen Huu Tinh
Huu-Doan Nguyen *see* Nguyen Huu-Doan
Huyberts, M.A.H. *see* Damen, J.P.M. 9—100065
Huyer, A. *see* Barber, R.T. 9—74899
Huyghe, D. *see* Duchemin, J.P. 9—100054
Huyton, A., Munden, A.B. An X-ray diffractometer specimen holder for use with reactive and toxic materials 9—63863
Huzinaga, S. GTO basis sets for In, Sn,Sb, Te,I, and Xe 9—97973
Huzinaga, S. On Raffenetti-type atomic basis set 9—97974
Hvam, J.M. Excitonic molecule transitions in ZnO 9—78742
Hvatum, H. *see* Gregory, P.C. 9—88755
Hvelplund, P. *see* Meyer, F.W. 9—59560
Hvelplund, P. *see* Moak, C.D. 9—51178
Hvozdara, M. Non-harmonic electromagnetic induction in a two-layer spherical Earth 9—100812
Hwa, R.C. *see* Deshpande, N.G. 9—71655, 9—71656, 9—71657
Hwa, R.C. *see* Roberts, R.G. 9—75740
Hwa, R.C. *see* Van Chang 9—85303
Hwa-Chung, L. *see* Ting-Chang, H. 9—63376
Hwan Cher Gu *see* Nikolenko, V.G. 9—75824
Hwang, A.G. *see* Sinha, K.N. 9—71859
Hwang, C. *see* Cverna, F. 9—85315
Hwang, C.F. *see* Fujisaki, M. 9—49542, 9—63521
Hwang, C.M. *see* Salamon, M.B. 9—96025
Hwang, C.Y. *see* Brechna, H. 9—80649
Hwang, D.C. *see* Buckius, R.O. 9—55319
Hwang, D.M., Utlaut, M., Isaacson, M.S., Solin, S.A. Electron-energy-loss study of stage-1 potassium-intercalated graphite 9—100001
Hwang, H.H., Ten-Huei Guo Digital simulation of dynamics of wind turbine generators 9—96415
Hwang, H.L. *see* Loferski, J.J. 9—56866
Hwang, I.T., Kuzay, T.M., Marr, W.W., Miles, K.J. Sodium voiding dynamics and cladding motion in a 37-pin fuel assembly during an LOF transient 9—49750
Hwang, J.C.M., Balluffi, R.W. Measurement of grain-boundary diffusion at low temperatures by the surface accumulation method. I. Method and analysis 9—77838
Hwang, J.C.M., Pan, J.D., Balluffi, R.W. Measurement of grain-boundary diffusion at low temperature by the surface-accumulation method. II. Results for gold-silver system 9—77839
Hwang, J.S. *see* Geoffroy, M. 9—68328
Hwang, J.-T., Rabitz, H. The Green's function method of sensitivity analysis in quantum dynamics 9—67178
Hwang, N.H.C. *see* Cox, J.T. 9—92279
Hwang, S.K. The cryogenic mechanical properties and the intergranular brittleness in Fe-12%Mn-(0.2%Ti) ferritic alloy system 9—70164
Hwang, S.K., Morris, J.W., Jr. The improvement of cryogenic mechanical properties of Fe-12 Mn and Fe-8 Mn alloy steels through thermal-mechanical treatments 9—79098
Hwang, W.-Y.P. Parity mixing in ^{18}F and low-energy inelastic electron scattering 9—89233
Hwang, W-Y.P. Test of fundamental symmetries in the A=12 nuclei 9—93561
Hwang, W-Y.P. Average polarization of the recoil ^{12}B from muon capture by ^{12}C 9—93602
Hwang Jenn-Tai *see* Jenn-Tai Hwang
Hwang Su Kim *see* Brandon, J.K. 9—99116
Hwang Tien-Lai *see* Tien-Lai Hwang
Hyakutake, J. *see* Moriizumi, T. 9—50447
Hyakutake, M. *see* Kumabe, I. 9—89264
Hyakutake, M. *see* Matoba, M. 9—97705
Hyakutake, M. *see* Rangacharyulu, C. 9—89307
Hyams, B. *see* Becker, H. 9—54363, 9—63533
Hyatt, B.Z. Enhanced in-reactor stress relaxation of AM-350 stainless steel 9—93725
Hyatt, R.E. *see* Yih-Loong Lai 9—100651
Hyca, M. An improved approximation theory for rectangular plates with fins under bending forces 9—90144
Hyde, B.G. Some modulation operations and derived structures 9—94930
Hyde, B.G. *see* Makovicky, E. 9—94931
Hyde, G. *see* Rogers, D.V. 9—79922
Hyde, J.C. *see* Armstrong, D.D. 9—76220
Hyde, J.E. *see* Bacharach, S.L. 9—100715
Hyde, J.R. *see* Marshall, A.H. 9—81633
Hyde, M.E. *see* Stotts, L.B. 9—62576
Hyde, R.M., Jr. *see* Carlile, R.N. 9—90412
Hyder, M.L. Chemical apsects of alternative fuel cycles 9—93803
Hyder, S.B., Saxena, R.R., Hooper, C.C. Vapor-phase epitaxial growth of quaternary $In_{1-x}Ga_xAs_yP_{1-y}$ in the 0.75-1.35-eV band-gap range 9—69987
Hyer, M.W. Whirling of a base-excited cantilever beam 9—68472
Hyland, G.J. A nonlocal spinor field theory of matter 9—49141
Hyland, R. *see* Miller, D. 9—49353
Hylten, G. *see* Andersson, G. 9—76311
Hylton, D.J., Rau, A.R.P. Atomic spectral lines in helium containing a quark in the nucleus 9—86092
Hylton, R. *see* Baltay, C. 9—75770
Hyman, A.S., Yaniger, S.I., Liebman, J.F. Interrelations among X-ray scattering, electron densities and ionization potentials 9—52041
Hyman, E. *see* Harrison, R.E. 9—50192
Hyman, L.G. *see* Barish, S.J. 9—71742
Hyman, L.G. *see* Cochrane, J. 9—49915
Hyman, M. *see* Rowe, M.W. 9—52764
Hymmen, U., Wieland, C. Combined treatment of radioresistant malignant tumors with high frequency hyperthermia and γ-rays therapy—recent results 9—100699
Hyndman, R.D., Jessop, A.M., Judge, A.S., Rankin, D.S. Heat flow in the Maritime Provinces of Canada 9—100819
Hyndman, R.D., Riddihough, R.P., Herzer, R. The Nootka Fault Zone—a new plate boundary off western Canada 9—92518
Hynek, S.J. *see* Frank, S. 9—49658
Hynes, A.J., Brophy, J.H. Laser-induced fluorescence study of radiative lifetimes and quenching rates in CS $A^1\Pi(v=0)$ 9—59496
Hynes, J.T. *see* Northrup, S.H. 9—96286, 9—96287
Hynes, M.V., Miska, H., Norum, B., Bertozzi, W., Kowalski, S., Rad, F.N., Sargent, C.P., Sasanuma, T., Turchinetz, W., Berman, B.L. Electron scattering from the ground-state magnetization distribution of ^{17}O 9—63658
Hynes, M.V. *see* Bertozzi, W. 9—68129
Hynes, M.V. *see* Miska, H. 9—63583
Hynne, F., Andersen, K. Concise derivation of the rotational partition function 9—84899
Hynson, K. *see* Henderson, D. 9—74687
Hyo Chul Myung Flexible Lie-admissible algebras with nil-basis 9—54276
Hyo Chul Myung *see* Okubo, S. 9—75319
Hyo Sub Yoon, Vosburgh, F., Lawrence Katz, J. The anisotropic ultrasonic properties of coral skeletons 9—57837
Hyodo, S. *see* Hirai, Y. 9—74045
Hyodo, S. *see* Takahashi, K. 9—91815
Hyodo, T. *see* Shin, K. 9—76152, 9—97926
Hyodo, T. *see* Takakusa, Y. 9—93148
Hyspecka, L. *see* Galland, J. 9—91881
Hyspecka, L. *see* Prioul, C. 9—100204
Hyspecka, L. *see* Tvrdy, M. 9—79094
Hyuga, H. *see* Hoshi, N. 9—93432
Hyuga, H. *see* Sagawa, H. 9—75899
Hyun Chang Ki *see* Chang Ki Hyun
Hyun Chung Chang *see* Chang Hyun Chung
Hyun Shu Soo *see* Soo Hyun Shu
Hyun Woo Kim, Okuno, K. Coadsorption of thorium and hydrogen on a tungsten surface 9—90869
Hyun-Dong Shin *see* Takagi, T. 9—81939
Hyun-Joon Shin, Jong-Ha Hong, Byung-Wan Oh Evaluations of the equations of state and thermodynamic quantities of fluid metal at high temperatures and densities 9—55902
Hyung Sup Choi, Chong Mu Lee, Ju Choi Precipitation and coarsening behavior of aluminum nitride in the Fe-Al-N alloy 9—91652
Hyvonen-Dabek, M., Riihonen, M., Dabek, J.T. Elemental analysis of bone mineral by backscattering of alpha particles 9—92449
Hyvonen-Dabek, M., Tarvainen, M., Holmberg, P. 14 MeV neutron cross-sections on Mg, Cl and Sr 9—52838
Hyzer, W.G. Instant CRT photography 9—58811

I-Dee Chang *see* Ping Cheng 9—94715
I-hui Ding *see* Ding I-hui
I-min Sun *see* Sun I-min
I-Ming Tang, Prayoonwech, C. A molecular field theory for inverse spinel ferrite 9—61021
I-Wu Shen, P. *see* Valley, G.C. 9—94268
Iachetta, F.A. *see* Beard, J.T. 9—62074
Iacopini, E., Zavattini, E. Experimental method to detect the vacuum birefringence induced by a magnetic field 9—85252
Iafigliola, R. *see* Singh, B. 9—67649
Iafolla, V. *see* Amaldi, E. 9—67217
Iafrate, G.J., Ballato, A., Bell, M.I. One-dimensional Ising chain with generalized molecular field 9—91242
Iagolnitzer, D., Souillard, B. Lee-Yang theory and normal fluctuations 9—69681
Iandelli, A., Palenzona, A., Olcese, G.L. Valence fluctuations of ytterbium in silicon-rich compounds 9—77569
Ianna, P.A. *see* Seitzer, P. 9—75149
Iannelli, M. *see* Da Prato, G. 9—63148
Iannucci, J.J., Smith, R.D., Swet, C.J. Energy storage requirements for autonomous and hybrid solar thermal electric power plants 9—57494
Iannuzzi, M., La Monaca, A. Electron diffraction on single-crystal silicon slabs at 2.27 MeV 9—50962
Iannuzzo, P. *see* Amendola, A. 9—97795
Iarocci, E. *see* Bacci, C. 9—93440
Iarocci, E. *see* Battistoni, G. 9—81123, 9—93875
Iarocci, E. *see* Celio, R.B. 9—93425
Ibach, H., Somorjai, G.A. Evidence for the weakening of the C≡O bond upon coadsorption with hydrocarbons 9—90863
Ibach, H. *see* Demuth, J.E. 9—90877
Ibach, H. *see* Erley, W. 9—73406
Ibach, H. *see* Lehwald, S. 9—52752
Ibach, H. *see* Pirug, G. 9—90866
Ibanez, J., Sanz, J.L. Two-body gravidynamics 9—71683
Ibanez, J.L. *see* Velarde, M.G. 9—54082
Ibanez, L.E., Sanchez-Gomez, J.L. Photon shadowing in nuclei 9—89162
Ibaraki, Y., Sasaki, T. Improvement of the microstructure by the cyclic heating of cast Ti-6Al-4V alloy 9—100185
Ibbotson, D.E., Taylor, J.L., Weinberg, W.H. Chemisorption of oxygen on the (110) surface of iridium 9—77901
Ibbotson, M. *see* Latham, A. 9—89168
Ibbotson, M. *see* Morris, J.V. 9—93434
Ibbott, G.S. *see* Hills, J.F. 9—83865
Ibe, E., Tsukamoto, M., Izumi, S. Study of the effects of sodium aerosol behavior on the characteristics of the sodium ionization detector 9—49243
Ibe, G. On the possibility of proving the growth selection theory of recrystallization textures by growth selection experiments 9—91684
Ibe, G. *see* Pospiech, J. 9—90589
Ibel, K. *see* Stockel, P. 9—53038
Ibers, J.A. *see* Ammlung, R.L. 9—99363
Ibers, J.A. *see* Scaringe, R.P. 9—99023
Ibl, N. *see* Angerer, H. 9—74104
Ibraev, G.K., Sevruk, A.I. Elastoplastic edge effect in a composite shell of rotation under axisymmetrical strain 9—94509
Ibragim, M.A., Klimov, A.I., Shugaev, F.V. Interaction between a vortical ring and a shock wave 9—94650
Ibragimov, B.T., Talipov, S.A., Tishchenko, G.N., Kushmuradov, Yu.K., Aripov, T.F. Molecular and crystal structure of matrine 9—94993

Ibragimov, B.T., Talipov, S.A., Tishchenko, G.N., Kushmuradov, Yu.K., Aripov, T.F. Molecular and crystal structure of matrine N-oxide 9—94997
Ibragimov, I.A. *see* Kocharov, G.E. 9—84599
Ibragimov, M.Kh. *see* Subbotin, V.I. 9—98803
Ibragimov, N.B. *see* Aksenov, A.N. 9—70990
Ibragimov, R.Sh., Logvinenko, S.P., Velichko, A.A. Low-temperature resistive pickups based on single-crystal layers of a Ge+Si solution on a ceramic 9—88953
Ibragimov, Sh.Sh., Kirsanov, V.V., Tyupkina, O.G. Hardening influence of defect superlattices 9—83206
Ibragimov, Sh.Sh. *see* Vereshchak, M.F. 9—65778
Ibragimova, I.P. *see* Morozova, G.I. 9—70237
Ibrahim, E.F. *see* Holt, R.A. 9—83255
Ibrahim, I.H., Haase, W. Molecular properties of some nematic liquids. I. Magnetic susceptibility anisotropy and order parameter 9—86704
Ibrahim, M. Solubilities of R_2O_3 oxides in periclase and monticellite systems 9—69253
Ibrahim, M.M. On optimum design of 10.6 μm terrestrial communication links 9—84455
Ibrahim, M.M. *see* Tove, P.A. 9—51660
Ibrahim, M.Md. *see* Srinivasan, R. 9—73280
Ibrahim, S.H. *see* Sundaram, S. 9—86881
Ibrahimpasic, F., Ljubin, C., Vujevic, D. Measurement of light flash intensity [neurophysiological research] 9—49270
Ibramsha, M. Design of solar energy concentrators for power generation in residential and nonresidential areas 9—62125
Ibranyi, G., Nagy, C., Rubecz, I. Lung ventilation of newborns, especially during incubation 9—100786
Ibranyi, G. *see* Boda, D. 9—100785
Ibuki, T., Sugita, S. Nonrandom isomerization of cis-3-methyl-1,3-pentadiene-1,3-d_2. Internal energy relaxation 9—70313
Ichi Arai Ken *see* Ken Ichi Arai
Ichida, K., Hayama, S., Nakagiri, Y., Kikuchi, N., Kudo, J. A real time system for acoustic measurement and analysis and its applications 9—68522
Ichihara, M. *see* Takeuchi, S. 9—74228
Ichijo, K. *see* Shimada, S. 9—83157
Ichikawa, A., Nakajima, A., Nakata, K. Speaker verification from actual telephone voice 9—81655
Ichikawa, A. *see* Curtain, R.F. 9—57520
Ichikawa, H. *see* Tsutsui, K. 9—74800
Ichikawa, K. Nuclear quadrupolar relaxation in molten salts 9—91313
Ichikawa, M. The C-O vs. O-H length correlation in hydrogen-bonded carboxyl groups 9—54987
Ichikawa, M. Phase transitions in trirubidium hydrogen diselenate $Rb_3H(SeO_4)_2$ 9—90777
Ichikawa, M. Simulation on epicenter detection capability of JMA network for local earthquakes 9—96844
Ichikawa, S. *see* Hirao, T. 9—99227
Ichikawa, T., Ino, S. Double diffraction spots in RHEED patterns from clean Ge(111) and Si(001) surfaces 9—90855
Ichikawa, T., Kevan, L., Bowman, M.K., Dikanov, S.A., Tsvetkov, Yu.D. Ratio analysis of electron spin echo modulation envelopes in disordered matrices and application to the structure of solvated electrons in 2-methyltetrahydrofuran glass 9—88991
Ichikawa, Y. *see* Chang, J.-S. 9—64941
Ichikawa, Y. *see* Kikuchi, N. 9—82315
Ichikawa, Y.H., Ohe, T., Kanada, Y. The development of soliton physics: an analysis based on information retrieval 9—62990
Ichikawa, Y.H. *see* Konno, K. 9—77358, 9—86581
Ichikawa, Y.H. *see* Tu Khiet 9—60148
Ichikawa, Y.H. *see* Wadati, M. 9—92994, 9—92995
Ichikawa, Y.-H. *see* Wadati, M. 9—75381
Ichiko, T. Effects of MgO addition on vitrification process of bone china body 9—78922
Ichimaru, M., Ishimaru, T., Belsky, J.L. Incidence of leukemia in atomic bomb survivors belonging to a fixed cohort in Hiroshima and Nagasaki, 1950-71. Radiation dose, years after exposure, age at exposure, and type of leukemia 9—57722
Ichimaru, S. *see* Itoh, N. 9—82043
Ichimaru, S. *see* Nagano, S. 9—78028
Ichimura, M., Imabayashi, M., Hayakawa, M. Measurement of the diffusion coefficient and solubility of hydrogen in solid aluminum 9—99370
Ichimura, S. *see* Ueba, H. 9—65401
Ichimura, T. *see* Shimoda, A. 9—79270
Ichinohe, H. *see* Hatafuku, H. 9—65695
Ichinose, Y. *see* Oya, Y. 9—61114
Ichioka, Y. *see* Kondo, K. 9—71571
Ichiryu, M. *see* Senda, T. 9—96118
Ichiyanagi, M. Roton spectrum of condensed Bose systems 9—63133
Ichiye, T., Breeding, J.E., Jr. Comments on 'Velocities and refraction laws of wave groups: a verification' by J. Ernest Breeding, Jr. [and Reply] 9—70811
Icole, J. *see* Morhange, J.F. 9—73189
Ida, M. Dynamical quark mass generation and the mean instanton density 9—54305
Ida, M. The decay constants of new pseudoscalar mesons 9—54336
Ida, M. The vacuum structure of quantum chromodynamics 9—93347
Iddings, C.K. *see* VandeVoorde, P. 9—73555
Ide, R., Yoshida, F., Shiratori, E. Cyclic creep behavior and unstable fracture under true-stress controlled cyclic condition 9—74232
Ide, T. *see* Sako, K. 9—76126
Idehara, T., Tanaka, M., Ishida, Y. Fast cyclotron wave excitation in a spiral electron beam-plasma system 9—64843
Ideker, R.E. *see* Smith, W.M. 9—70672
Idestrom, K. *see* Blomgren, H. 9—88125
Idiatulin, V.S. On the interaction of counterrunning radiation in a mirrorless device 9—98333
Idler, K.L. *see* Ng, H.N. 9—55719
Ido, H. *see* Shirakawa, K. 9—78375
Ido, K. *see* Sugai, H. 9—64870
Ido, T. *see* Iwata, R. 9—88192
Idogaki, T. *see* Kimura, I. 9—61127, 9—91235
Idrichan, G.Z. *see* Sorokin, G.P. 9—90608
Idriss, I.M., Cluff, L.S., Patwardhan, A.S. Microzonation of offshore areas. An overview 9—84182
Idriss, I.M. *see* Dobry, R. 9—66637
Idriss, I.M. *see* Packer, D.R. 9—88284
Idrissi, H. *see* le Duff, Y. 9—98174
Idschok, U. *see* Otter, G. 9—85338
Idso, S.B. *see* Aase, J.K. 9—53518
Idzenga, S. *see* Vis, R.D. 9—79457
Idzko, J. *see* Bass, R. 9—76317
Idzorek, J.J. *see* Brogan, T.R. 9—83607
Ieda, M. *see* Nakamura, S. 9—65790, 9—69513, 9—99622
Ieda, M. *see* Sawa, G. 9—91374
Ieda, M. *see* Takai, Y. 9—61445, 9—99647
Ieiri, T. *see* Kondoh, M. 9—68048
Ienik, L. *see* Angelov, N.S. 9—97638
Ierusalimov, A.P. *see* Abdivaliev, A. 9—67569, 9—67570
Iesan, D. Thermal stresses in composite Cosserat elastic cylinders 9—72812
Ievlev, I.I. Equilibrium of the separation boundary of liquid dielectric materials located between two vertical coaxial charged cylinders 9—64781
Ievlev, V.M., Kushchev, S.B. Electron diffraction on networks of grain-boundary and interphase dislocations 9—73168
Ievlev, V.M. *see* Bugakov, A.V. 9—73176
Ievlev, V.M. *see* Postnikov, V.S. 9—74092
Ifedili, S.O. Measurement of the north-south asymmetry in the solar proton albedo neutron flux 9—75061
Ifflander, R., Kortz, H.P., Weber, H. Beam divergence and refractive power of directly coated solid state lasers 9—59736
Iga, A. *see* Eda, K. 9—69514
Iga, K., Kambayashi, T., Wakao, K., Moriki, K., Kitahara, C. GaInAsP/InP DH lasers and related fabricating techniques for integration 9—98388
Iga, T., Kato, S. Crystal structure of NH_4-dawsonite 9—69096
Igaki, H. *see* Tanimura, S. 9—52474
Igaki, K., Nishine, S. Electrical properties of nonstoichiometric niobium selenides $NbSe_x$ for x=1.48-2.00 9—73624
Igaki, K., Nishine, S. Thermodynamic properties and crystal structures of nonstoichiometric niobium selenides $NbSe_x$ for x=1.48-2.00 9—74139
Igaki, K., Satoh, S. The electrical properties of zinc selenide heat-treated in controlled partial pressures of constituent elements 9—99505
Igaki, K. *see* Mochizuki, K. 9—100034
Igarashi, J. Localized excitations in the ordered solid hydrogen 9—65288
Igarashi, T. *see* Asai, K. 9—96829
Igarashi, Z. *see* Ishimaru, H. 9—71562, 9—72078
Igata, N., Miyahara, K., Hakomori, K. Radiation anneal hardening of neutron irradiated niobium 9—70077
Igata, N., Miyahara, K., Tanaka, K. The strain rate dependence of the ductility minimum of a copper and a Cu-Zn alloy at intermediate temperatures 9—79056
Igata, N., Murakami, H., Kuramochi, N. The α-peak of deformed niobium and niobium-zirconium alloy 9—100205
Igei, R. *see* Arakai, G. 9—94626
Igel, E.A., Hughes, R.L. Optical analysis of solar facility heliostats 9—74543
Igi, K., Yazaki, S. Baryonium spectroscopy based on duality and unitarity 9—58947
Igitkhanyan, Yu.G. *see* Pronkin, A.A. 9—95215
Iglesias, J.E. *see* Perez-Mato, J.M. 9—73068
Iglesias, L. Present status of atomic spectroscopy data of interest in astrophysics 9—75099
Igloi, F. Simple method for the determination of the equivalent hard sphere diameter 9—55650
Ignacz, P. Explanation of bubble creation in high electric fields by a new consideration on the structure of a liquid 9—91370
Ignaczak, J. Domain of influence theorem in asymmetric elastodynamics 9—59925
Ignaczak, J. A uniqueness theorem for stress-temperature equations of dynamic thermoelasticity 9—72813
Ignasheva, A.V. *see* Danil'chik, L.N. 9—55749
Ignat, M. On the plane waves in a rarefied, radiative, electrically anisotropic plasma. I. Equations for small perturbations 9—94776
Ignat, M., Agostinelli, C. On the plane waves in a rarefied, radiative, electrically anisotropic plasma. II. Particular plane waves 9—94777
Ignat, M., Durand, F. Creep of the lamellar Al-$CuAl_2$ composite. II. Stress and temperature dependence 9—52330
Ignatavichyus, M.V. *see* Germanishkis, B.M. 9—64286
Ignatchenko, V.A. *see* Glozman, E.A. 9—73852
Ignatenko, A.D. *see* Berdyanskii, E.N.A. 9—71404
Ignatenko, E.M. *see* Golubev, L.I. 9—71878
Ignatenko, P.I. On the question of the kinetics of reaction of diffusion in binary systems containing one chemical compound 9—87014
Ignat'ev, A.I. *see* Volkov, Yu.M. 9—85434
Ignat'ev, A.O. Effect of vanishing constantly acting disturbances on asymptotically stable movements 9—63020
Ignat'ev, A.O., Savchenko, A.Ya., Svetlichnaya, N.V. Stability in the critical case of n pairs of purely imaginary roots 9—63021
Ignat'ev, E.B. *see* Golionko, I.Yu. 9—67369
Ignat'ev, I.S., Lazarev, A.N. Normal vibrations and force field of hexachlorodisiloxane $Cl_3SiOSiCl_3$ 9—54994
Ignat'ev, I.S. *see* Lazarev, A.N. 9—50003
Ignat'ev, I.V., Ovsyankin, V.V. Pseudo-Jahn-Teller effect in $CaF_2:Sm^{2+}$ and $SrF_2:Sm^{2+}$ crystals 9—69476
Ignatev, Y.D. *see* Veselnitskii, I.M. 9—50364
Ignat'ev, Yu.G. Physical processes on the hydrogen-helium plasma interface in strong gravitational field. I. Bremsstrahlung 9—67048
Ignat'ev, Yu.G. Physical processes on the plasma interface in strong gravitational field. II. Production of electron-positron pairs 9—80333
Ignat'eva, N.I. *see* Borukhovich, A.S. 9—69688
Ignat'eva, N.V. *see* Bykov, R.E. 9—89026
Ignatiev, A. The surface sensitivity of MeV ion scattering 9—56904
Ignatiev, A., Nielsen, H.B., Adams, D.L. Similar surface structures for CO and N_2 absorbed on W (110) 9—82449
Ignatiev, A., O'Neill, P., Zajac, G. The surface microstructure optical properties relationship in solar absorbers: black chrome 9—52036
Ignatiev, A. *see* O'Neil, P. 9—83630
Ignatiev, A. *see* Passler, M. 9—86982
Ignatiev, A. *see* Zajac, G. 9—79401
Ignatiev, A.Y., Kuzmin, V.A., Shaposhnikov, M.E. Is the electric charge conserved? 9—71620
Ignatieva, L.N. *see* Sergienko, V.I. 9—73944, 9—73945, 9—73946
Ignatova, T.S., Belyakova, N.P., Tsibin, I.P. Heat-induced changes in the properties of kaolin fiber materials 9—83244
Ignatova, T.S. *see* Uzberg, L.V. 9—82594
Ignatovich, V.K. *see* Vasil'ev, B.V. 9—68351
Ignatowicz, S. Estimation of vacuum methods of obtaining thin films of semiconducting compounds 9—56932
Ignatowicz, S.A. *see* Kossakowska-Kisiel, Z. 9—90920
Ignatyuk, A.V., Istekov, K.K., Smirenkin, G.N. Role of collective effects in systematics of level density of nuclei 9—49586
Ignatyuk, A.V., Mikhailov, I.N. Microscopic description of fast rotating heated nuclei 9—97649
Igo, G., Bleszynski, M., Carroll, J.B., Sagle, A., Morris, C.L., Klem, R., Joyce, T., Makdisi, Y., Marshak, M., Mossberg, B., Peterson, E.A., Ruddick, K., Whittaker, J. Tensor analyzing power in pd backward scattering at GeV energies 9—80916
Igo, G. *see* Adams, G.S. 9—80915
Igo, G. *see* Bo Hoistad 9—85463
Igo, G. *see* Hoistad, B. 9—89274
Igo, G. *see* Ray, L. 9—63669
Igo-Kemenes, P. *see* Bourquin, M. 9—71768
Igonin, L.A. *see* Fursova, K.S. 9—52295
Igonova, L.N. *see* Krutogolov, V.D. 9—68829
Igras, E., Piotrowski, J., Piotrowski, T. Ultimate detectivity of (CdHg)Te infrared photoconductors 9—58788
Iguchi, E., Tilley, R.J.D. Strain energy due to {001} crystallographic shear planes in materials possessing the ReO_3 structure 9—99223
Iguchi, I., Shiota, F., Hara, K. Gap suppression and instability in nonequilibrium superconducting lead films 9—56417
Iguchi, K. Behavior of exciton wave scattered by the impurity in a quasi-one dimensional molecular crystal 9—78012
Iguchi, K., Minami, S. Pseudoscalar mesons in the c-$\bar{c}$ and b-$\bar{b}$ systems 9—93359
Iguchi, K., Sugano, R. Violation model of OZI rule due to spinless bosons 9—89107
Iguchi, M. *see* Sato, T. 9—98556
Iguchi, S. *see* Ohba, T. 9—81100
Iguchi, T. Mass spectrometric observation of the atmosphere constituents in the stratosphere. II 9—79920

Igumentsev, T.I., Nazmeev, Yu.G. Intensification of convective heat exchange by spiral swirlers in the flow of anomalously viscous liquids in pipes 9—94461

Ihara, R. *see* Fumuro, F. 9—62705, 9—67748

Ihara, T. *see* Fujita, M. 9—100889

Ihas, G.G. *see* Edwards, D.O. 9—69312

Ihiguro, M. *see* Asami, K. 9—83028

Ihm, J., Cohen, M.L. Self-consistent pseudopotential calculations of the equilibrium properties of bulk and surface Si 9—60750

Ihm, J., Cohen, M.L. Self-consistent calculation of the electronic structure of the (110) GaAs-ZnSe interface 9—95486

Ihrig, H. Reply to 'Comment on 'A systematic experimental and theoretical investigation of the grain-boundary resistivities of n-doped $BaTiO_3$ ceramics" 9—56236

II, G.W.Collins *see* Collins II, G.W.

Iiata, T., Minamikawa, T., Morimoto, O., Hada, T. DC reactive magnetrons sputtered ZnO films 9—78877

Iida, A., Dohra, K. Separate measurements of dynamical and kinematical X-ray diffractions from silicon crystals with a triple crystal diffractometer 9—50948

Iida, H. *see* Kiguchi, T. 9—97859

Iida, H. *see* Sako, K. 9—76126

Iida, I. *see* Miura, S. 9—57069

Iida, J. *see* Hasebe, N. 9—77009

Iida, K. *see* Fujii, G. 9—87090

Iida, S. Study on ultra drawing of crystalline polymer. I. Relationship between stress and draw ratio of polyethylene during ultra draw 9—91759

Iida, S. Study on ultra drawing of crystalline polymer. II. Effects of temperature and drawing rate on ultra drawing of polyethylene 9—91760

Iida, S., Sakami, H. Necking phenomena of crystalline polymers. I. Necking stress of high density polyethylene 9—91757

Iida, S., Sakami, H. Necking phenomena of crystalline polymers. II. Necking stress of various crystalline polymers 9—91758

Iida, S., Sakami, H. Necking phenomena of crystalline polymers. III. Effects of molecular weight and crosslink on specific draw ratios of polyethylene 9—96099

Iida, S. *see* Kose, K. 9—87244

Iida, S. *see* Sakami, H. 9—90575

Iida, S. *see* Umemura, S. 9—91319

Iida, T. Measurements of energy-loss cross sections for 300, 400, and 500 eV electrons in the continuum of N_2 9—94090

Iida, T. *see* Chino, M. 9—68142

Iida, T. *see* Iwahana, K. 9—90989

Iida, Y., Ogawa, T., Toyoda, M. Pyroelectric characteristics of lead titanate zirconate family ceramics [for IR detectors] 9—56736

III, M.V.Barnhill *see* Barnhill III, M.V.

Iijima, S. High resolution electron microscopy 9—94853

Iijima, T., Takahashi, T., Sugawara, Y., Asami, Y. Small hollow cathode laser tube with direct current excitation 9—76704

Iijima, T. *see* Hedberg, L. 9—64115

Iijima, T. *see* Okazaki, R. 9—83583

Iijima, T. *see* Yoshida, Y. 9—81078

Iikura, Y., Yasuoka, Y., Naito, M. Pattern model for prediction of regional distribution 9—57501

Iimura, M. *see* Koyanagi, T. 9—92400

Iinoya, K. *see* Masuda, H. 9—50180

Iinuma, T. *see* Suwa, A. 9—62628

Iinuma, T.A. *see* Endo, M. 9—57760

Iishi, K. Lattice dynamics of forsterite 9—65153

Iishi, K. Lattice dynamical study of the α-β quartz phase transition 9—65168

Iiyoshi, A. *see* Morimoto, S. 9—50879

Iiyoshi, A. *see* Motojima, O. 9—99001

Iiyoshi, A. *see* Mutoh, T. 9—90425

Iiyoshi, A. *see* Uo, K. 9—81077

Iizawa, T. *see* Niizeki, H. 9—84302

Iizima, S. *see* Sugi, M. 9—51701

Iizuka, E., Kondo, Y. Magnetic-field orientation of the liquid crystals of polyribonucleotide complexes 9—82152

Iizuka, H. *see* Shibata, T. 9—91163

Iizuka, K. *see* Watanabe, H. 9—49221, 9—82006

Iizuka, T. *see* Tajima, M. 9—87499

Iizumi, M. Verwey transition in magnetite as a potentially incommensurate but eventually commensurate phase transition 9—95120

Iizumi, M., Gesi, K. Neutron scattering studies of ferroelectric crystals with modulated structure 9—95713

Ijaola, O.O. Computer simulation of mechanical hearts 9—70709

Ijaz, M.A. *see* Toth, K.S. 9—67721

Ijdo, D.J.W. *see* Zandbergen, H.W. 9—69070

Ijevlev, V.M., Bugakov, A.V. The formation of coincidence orientations on the interphase boundary in oriented crystallization 9—90922

Ijsselstein, R.R., de Goeje, M.P., Kramers, H.C. Combined measurements on various types of stationary flow of superfluid ^{4}He 9—73358

Ik Chang Cha *see* Cha Ik Chang

Ik Lee, B. *see* Kesler, M.G. 9—95184

Ikai, S. *see* Mizomoto, M. 9—96310, 9—96311

Ikawa, H., Nakao, Y., Nishimoto, K. Study on weld decay in SUS 304-precipitation phenomenon of $M_{23}C_6$ during thermal cycles 9—52468

Ikawa, K. *see* Kohsaka, M. 9—88166

Ike, H., Okabe, H. The oxidation behaviour of Fe-14 Cr alloys with small additions of Al at high temperatures 9—66222

Ike, H. *see* Okabe, H. 9—66223

Ikebe, M., Kobayashi, N., Morohashi, S., Nakatsuji, H., Muto, Y. Specific heat of superconducting 2H-$NbSe_2$ dilutely doped with Fe 9—60972

Ikebe, M. *see* Muto, Y. 9—56406

Ikebe, Y. *see* Chino, M. 9—68142

Ikeda, A., Kitajima, M., Miyawaki, M., Onishi, N. Anomalous rotational bands—a model of a soft rotor coupled with $i_{13/2}$ particles 9—85356

Ikeda, C., Sato, T., Ohshima, H. Synthetic aperture sonar in turbulent media 9—90058

Ikeda, G. *see* Zagustin, A.I. 9—64524

Ikeda, H. Pseudo-critical slowing down in first-order transitions 9—55627

Ikeda, H. Percolation in anisotropic systems. Real-space renormalization group 9—63160

Ikeda, H. Pseudo-critical dynamics in first-order transitions 9—71391

Ikeda, H., Ando, M., Inagaki, T. Aberration corrections for a POS hologram scanner 9—81383

Ikeda, H., Arai, I., Fujii, T., Iwasaki, H., Kajiura, N., Kamae, T., Nakamura, K., Sumiyoshi, T., Takeda, H., Ogawa, K., Kanazawa, M. Angular dependence of proton polarization in the reaction of $\gamma d \rightarrow pn$ and a partial-wave analysis of possible dibaryon resonances 9—58967

Ikeda, H., Suzuki, M., Hutchings, M.T. Neutron scattering investigation of static critical phenomena in the two-dimensional antiferromagnets: $Rb_2Co_cMg_{1-c}F_4$ 9—56528

Ikeda, H. *see* Maruyama, K. 9—63484

Ikeda, H. *see* Suzuki, M. 9—63088

Ikeda, K. Distribution of zeros and the equation of state. II. Phase transitions and singularities in the case of circular distribution 9—58666

Ikeda, K. Multiple-valued stationary state and its instability of the transmitted light by a ring cavity system 9—94301

Ikeda, K., Akimoto, O. Steady propagation of a coherent light pulse in a dielectric medium. II. The effect of spatial dispersion 9—72480

Ikeda, K., Akimoto, O. Steady propagation of a coherent light pulse in a dielectric medium. III. Dynamical behaviour of a long pulse 9—98433

Ikeda, K. *see* Ando, T. 9—59044

Ikeda, K. *see* Sekiya, T. 9—84060

Ikeda, K. *see* Susaki, W. 9—86188

Ikeda, M., Matsunami, H., Tanaka, T. Site-dependent donor and acceptor levels in 6H-SiC 9—61421

Ikeda, M., Sagawa, K. Binocular color fusion limit 9—57659

Ikeda, M., Uchikawa, K. Integrating time for visual pattern preception and a comparison with the tactile mode 9—53143

Ikeda, M. *see* Asahi, H. 9—51450

Ikeda, M. *see* Sakai, J. 9—59819

Ikeda, O., Sato, T., Yamamoto, J. A method for estimating the point of collision for transverse impact between a striker and a rod 9—68473

Ikeda, R. *see* Kume, Y. 9—95673

Ikeda, S. Some physico-geometrical features underlying the theory of fields in Finsler spaces 9—58595

Ikeda, S. Some physico-geometrical remarks on the relationship between the micro- and macro-gravitational fields 9—63103

Ikeda, S. Push-pull fatigue of the [110] and [410] single crystals of iron 9—74257

Ikeda, S., Haseda, T. Magnetic relaxation phenomena near T_N in $Co(HCOO)_2 2H_2O$ 9—65656

Ikeda, S., Ishikawa, Y. Improvement of AC calorimetry 9—85142

Ikeda, S. *see* Fukuda, S. 9—50353

Ikeda, S. *see* Ito, K. 9—83973

Ikeda, S. *see* Nakamori, Y. 9—83680

Ikeda, S. *see* Sawaragi, Y. 9—57516

Ikeda, S. *see* Yamabe, T. 9—56123

Ikeda, T., Ishida, F., Suzuki, R., Sugita, Y. Liquid phase epitaxy and magnetic bubble properties of Ca-Ge substituted rare-earth iron garnet films 9—74107

Ikeda, T. *see* Terada, H. 9—100701

Ikeda, Y., Stevenson, M. Time series analysis of NOAA-4 sea surface temperature (SST) data 9—53364

Ikeda, Y., Tomiyasu, H., Fukutomi, H. Kinetics study of the exchange of dimethyl sulfoxide in uranyl pentakis (dimethyl sulfoxide) ion by NMR 9—81214

Ikegami, K., Kageyama, T., Kohno, I. An automatic control of the pumping system for the vacuum chamber of the cyclotron 9—85842

Ikegami, K., Kajiyama, M., Kamiko, S., Shiratori, E. Experimental studies of the strength of an adhesive joint in a state of combined stress 9—74339

Ikegami, K. *see* Hattori, T. 9—74198

Ikegami, S., Nakayama, N., Matsumoto, H., Yamaguchi, K., Uda, H., Taniguchi, H., Yoshida, M., Yamashita, T. CdS/CdTe thin film solar cells 9—87992

Ikegaya, K. *see* Inomoto, K. 9—81653

Ikegaya, K. *see* Kuno, K. 9—70499

Ikehata, S. *see* Ootuka, Y. 9—65502, 9—95428

Ikehata, S. *see* Sasaki, W. 9—95335

Ikehata, T. *see* Kamada, K. 9—76576

Ikemoto, Y. *see* Shimizu, S. 9—83307

Ikenoue, J. *see* Awai, I. 9—76872

Ikenoya, K. *see* Goto, M. 9—79324

Ikeuchi, M. *see* Takeuchi, S. 9—94365

Ikeuchi, S., Hirayama, Y. Infall of matter and X-ray emission from a supercluster 9—67106

Ikeya, M., Miki, T., Nakajima, S. Electret dosimeter and its principles 9—81092

Ikeya, M., Schwan, L.O. Extended Huckel molecular orbital calculation of defects in LiH cluster crystals 9—51521

Ikeya, M. *see* Miki, T. 9—83671

Ikezawa, S., Nakamura, Y. Coupling of electron plasma waves between two-temperature mode and higher-order Landau mode 9—64844

Ikezawa, S., Nakamura, Y. Wave pattern of non-dispersive electron wave in a Maxwellian plasma 9—77359

Ikezawa, S., Nakamura, Y. Dispersion relation of electron wave in a two-temperature plasma 9—86580

Ikezi, H. Macroscopic electron lattice on the surface of liquid helium 9—77861

Ikhenov, D.A., Balashov, D.B., Babushkina, T.A., Semin, G.K. Baric dependences of the spectral parameters of nuclear quadrupole resonance 9—78559

Ikoma, T., Ogura, M., Adachi, Y. Acoustic emission study of defects in gallium phosphide light emitting diodes 9—86799

Ikoma, T. *see* Goto, H. 9—99506

Ikonnikov, D.S. *see* Zykov, B.M. 9—52430

Ikonnikov, V.B. *see* Leviev, G.I. 9—73815

Ikonnikov, V.I. *see* Khlestov, V.M. 9—70060

Ikonomou, P.F., Yakinthos, J.K. Magnetism in $SEAu_3$ intermetallics (SE=Gd, Tb, Dy, Ho, Er and Tm) 9—51761

Ikonopisov, S., Elenkov, N., Klein, E., Andreeva, L. Galvanoluminescence of aluminium during anodization in non-dissolving electrolytes 9—52680

Ikossi, P.G. *see* Snover, K.A. 9—80898

Ikuno, H., Watanabe, H. More dispersion in graded-index optical fiber with near parabolic-index profiles 9—76873

Ikushima, A., Okamoto, K. Ultrasonic attenuation near the lambda line of ^{4}He under pressure 9—55972

Ikushima, A. *see* Tanaka, M. 9—56004

Ikushima, T. Differential response of Euglena gracilis to gamma-ray radiation in light and dark 9—57710

Ikushima, T. UV-induced chromatid aberrations in two cell lines of Chinese hamster with different repair activity 9—57711

Ikuta, K. Two component plasma vortex approach to fusion 9—85770

Ikuta, K. A new possibility to generate a reversed field configuration without toroidal field 9—86599

Ikuta, K., Hirano, K. Helical magnetic configurations by the use of ferromagnetic materials—the Ferromak 9—82090

Ikuta, S., Sano, H., Imamura, M. Application of ab initio calculations to nuclear internal conversion: repulsion energies of highly charged HBr ions 9—76341

Ikuta, S. *see* Hashimoto, S. 9—54763

Il Kim Moon *see* Moon Il Kim

Il-Tong Cheon Hypothesis of the fundamental length and quantum electrodynamics 9—71665

Ilan, A., Bond, L.J., Spivack, M. Interaction of a compressional impulse with a slot normal to the surface of an elastic half space 9—50626

Ilarraz, J. *see* Alberdi, A.M. 9—61185

Ilavsky, M., Cerna, J., Bocek, B., Hrouz, J. Viscoelastic and ultimate behaviour of swollen poly(2-hydroxyethyl methacrylate) networks filled with poly(2-hdyroxethyl methacrylate) in the rubbery region 9—83247

Il'chaninov, V.P., Tereshin, V.G. Selecting parameters for centrifugal-pendulum type angular velocity meter 9—97364

Il'chishin, I.P., Tikhonov, E.A., Tischenko, V.G., Shpak, M.T. Tuning of the emission frequency of a dye laser with a Bragg mirror in the form of a cholesteric liquid crystal 9—89931

Il'chishin, I.P. *see* Przhonskaya, O.V. 9—89905

Il'chuk, T.V. *see* Bodak, O.I. 9—52158

Ilenchik, I., Dubinskii, Yu., Miroshnichenko, L.I. Absolute spectra of solar cosmic rays for the flares of 1966-1976 using land-based observations 9—84598

Ilencik, J., Dubinsky, J. The multiplicity functions of cosmic ray protons in the region of neutron supermonitor sensitivity 9—66894

Il'gamov, M.A., Suleimanova, M.M., Taldykin, M.V., Fedyaev, V.L. A wave-generator model 9—77152

Ilias, D.J., Gupta, G.P. Ionospheric absorption measurements using a sweep frequency technique 9—75029
Ilic, D.B. *see* Harker, K.J. 9—70912
Iliceto, V., Santarato, G. A new attempt at automatic data processing in magnetotellurics 9—80041
Ilichev, V.Y. *see* Pecherskaya, V.I. 9—99527
Ilichev, V.Ya. *see* Bolshutkin, D.N. 9—83256
Ilichev, V.Ya. *see* Klimenko, I.N. 9—82758
Il'icheva, E.N., Shishkov, A.G., Il'yashenko, E.I., Fedyunin, Yu.N. Investigation of the domain wall structure by the Faraday effect 9—65702
Il'icheva, I.A., Kister, A.E., Dashevskii, V.G., Yesipova, N.G., Tumanyan, V.G. B-form as an absolute energy minimum of DNA. Entropy nature of the B-A-transition 9—92130
Il'icheva, I.A., Tumanyan, V.G., Kister, A.E., Dashevskii, V.G. Study of the dependence of the secondary structure of DNA on the base sequence by the method of theoretical conformational analysis 9—53032
Iliev, I. *see* Musilova, M. 9—52926
Iliev, L.B., Ovcharenko, V.I., Popov, V.P., Pervakov, V.A. Heat capacity and thermal expansion of titanium and of titanium-based solid solutions with aluminium and tin in the temperature range 4-290K 9—51276
Iliev, L.B., Popov, V.P., Pervakov, V.A. Thermal expansion of polycrystalline titanium at low temperatures 9—51281
Iliev, L.B. *see* Zlobintsev, G.M. 9—82574, 9—91019
Iliev, M., Anastassakis, E., Arai, T. Raman scattering of $HgCr_2Se_4$ 9—95781
Iliev, M., Arai, T. Thermoreflectance of single-crystal $HgCr_2Se_4$ near the ferromagnetic-to-paramagnetic phase transition 9—78660
Iliev, M., Pink, H. Thermoreflectance of $CdCr_2S_4$ near the Curie point 9—78659
Iliev, S. *see* Bochev, B. 9—97648
Iliev, S. *see* Zubareva, A.M. 9—68124
Iliewa, K.K., Iwanov, G.K. Effect of surface pretreatment on the strength of joints bonded with cyanoacrylate adhesive Kanokonlit-E 9—57202
Iliff, L.D. *see* Ladurner, G. 9—53212
Il'in, A.A., Pronkin, A.A., Veksler, G.I., Strzhalkovskii, M.E. Ultrasonic velocity and microhardness of glasses in the $Al(PO_3)_3$-MeF (Me=Li, Na) system 9—99274
Il'in, A.A. *see* Bautin, A.V. 9—81472
Il'in, A.G. *see* Dement'ev, Yu.S. 9—95933
Il'in, A.P. *see* Eremin, L.P. 9—58834
Il'in, A.S. Calcium balance and cooperativeness of electrogenesis of the perfused rat liver 9—57608
Il'in, A.V. Relief of the ocean bottom and new global tectonics 9—88333
Il'in, A.V. *see* Bulavin, V.V. 9—57171
Il'in, I.M. *see* Golovanova, N.F. 9—80931
Il'in, P.P. *see* Burly, P.V. 9—61310
Il'in, S.B., Tagirov, E.A. Equation of motion of a point source of a scalar field in the general theory of relativity 9—88853
Il'in, V.A., Slavnov, D.A. Algebras of observables in the S-matrix approach 9—71648
Il'in, V.A. *see* Kiselev, Yu.A. 9—100306
Il'in, V.B., Ivanov, V.V. Fourier-method of determination of stellar rotational velocities 9—80240
Il'in, V.G., Osipov, N.K. Analytical representations of the parameters of a plasma moving adiabatically in a dipole magnetic field in the presence of longitudinal electrostatic fields 9—77349
Il'in, V.G., Turutina, N.V., Vitusevich, V.T. Infrared spectra of crystalline sodium polysilicates and polysilicic acids 9—51951
Il'in, V.G. *see* Belotserkovskii, D.Yu. 9—93103
Il'in, V.I. *see* Bakueva, L.G. 9—95489
Il'in, V.I. *see* Gorelov, V.P. 9—88580
Il'ina, N.P. *see* Baiburina, S.G. 9—80156, 9—80170
Il'ina, T.V. *see* Fialkov, A.S. 9—91600
Il'ina, V. *see* Aksinenko, V. 9—97713
Il'ina, V.P., Strueva, A.N. Characteristics of the microstructure of martensitically aging ÉP678 stainless steels 9—70241
Il'inskii, A.A., Kovalenko, V.P. Stopcock batcher for gas withdrawal in the chromatograph 9—52810
Il'inskii, A.G. *see* Romanova, A.V. 9—69006
Il'inskii, A.S., Popov, O.B. A direct method in problems of diffraction at smooth unbounded wavy surfaces in an inhomogeneous medium 9—75363
Il'inskii, A.V. *see* Pevtsov, A.B. 9—65929
Il'inskii, V.N. *see* Mazets, E.P. 9—58449, 9—88765, 9—88766
Il'inskiy, V.V. *see* Zaytsev, A.A. 9—82118
Il'inykh, T.V. *see* Zhevandrov, N.D. 9—56832
Ilkovic, V. Structurally disordered Heisenberg ferromagnet 9—78417
Illarionov, A.A. *see* Ugai, Ya.A. 9—95911
Illarionov, Y.T. *see* Borishanskiy, V.M. 9—90244
Illenberger, E., Scheunemann, H.-U., Baumgartel, H. Fragmentation of holomethanes under impact with low energy (0-10 eV) monochromatic electrons 9—50141
Illiano, J.-M., Pottelette, R. Measurement of the collective motion of the electrons deduced from the shift of the lower oblique resonance frequency 9—55499
Illies, J.H., Greiner, G. Holocene movements and state of stress in the Rhinegraben rift system 9—79801
Ill'ina, V.A. *see* Kurdyumov, G.V. 9—90699
Illingworth, J. *see* Brandelik, R. 9—63491, 9—93441
Illingworth, J. *see* Brissenden, S. 9—51193
Illingworth, J.E. Ultraviolet—initiator of cancer 9—79600
Illiopoulos, J. Charmed particles 9—67522
Illner, R., Kuscer, I. Collision operators as generators of Markov processes and their spectra 9—63150
Illston, J.M. *see* Constantinescu, D.R. 9—52358, 9—70127
Il'mas, M.E. *see* Luud, L.S. 9—88763
Il'metov, A.V., Titov, V.I. Experimental investigation of temperature behind strong shock waves in argon at M=8-30 9—72910
Ilonca, G. Electrical resistivity and magnetoresistivity of amorphous $Mn_xPd_{82-x}Ge_{18}$ alloys 9—51543
Il'sheva, A.N. *see* Tikhomolova, K.N. 9—70373
Iltis, R., Schwarberg, A., Patterson, R., Scantlen, M., Coffman, M.S. Monitor and analyser of temperature and humidity 9—49239
Ilundain, A., Naftalin, R.J. Role of Ca^{2+}-dependent regulator protein in intestinal secretion 9—66454
Ilyas, M. Seasonal variations in mesospheric molecular oxygen 9—100994
Il'yashchenko, S.F. *see* Reznichenko, V.A. 9—69173
Il'yashenko, A.G. *see* Vorob'ev, Yu.V. 9—51594
Il'yashenko, B.N. *see* Sabel'nikov, A.G. 9—79482
Il'yashenko, E.I. *see* Il'icheva, E.N. 9—65702
Ilyasov, M.Kh. The dynamical torsion of viscoelastic cylinders 9—50634
Ilyasov, V.M. *see* Golubev, L.I. 9—97833
Ilyasov, V.V. Method of recording the temperature in determining stored energy in metal 9—87775
Ilyatov, K.V. *see* Aleksandrov, B.M. 9—71980
Ilyukha, N.G. *see* Mel'nik, M.T. 9—83184
Ilyukhin, A.A. Approximate solution of a problem on the deformation of an elastic rod 9—64511
Ilyukhin, V.A. *see* Ploshai, L.L. 9—76745
Ilyukhin, V.A. *see* Torochkov, V.Yu. 9—72694
Ilyukhin, V.V., Kalinin, V.R., Pakhomov, V.I., Belov, N.V. Structure of a new orthorhombic modification of acid potassium iodate $KIO_3.HIO_3$ 9—55723
Ilyukhin, V.V. *see* Kachalov, O.V. 9—65858
Ilyukhin, V.V. *see* Kalinin, V.R. 9—77585
Ilyukhin, V.V. *see* Karaev, K.Sh. 9—60349
Ilyukhin, V.V. *see* Maksimov, B.A. 9—90626
Ilyukhin, V.V. *see* Nevskii, N.N. 9—82191, 9—86766, 9—90627, 9—90629, 9—94983
Ilyukhin, V.V. *see* Potekhin, K.A. 9—86785, 9—90639, 9—90640
Ilyukhin, V.V. *see* Sokolov, Yu.A. 9—90577, 9—90631
Ilyukhin, V.V. *see* Soldatov, E.A. 9—84939, 9—84941, 9—86652, 9—94840
Ilyukhin, V.V. *see* Soldatov, E.N. 9—77584
Ilyukhin, V.V. *see* Treushnikov, E.N. 9—90595
Ilyunin, V.G. *see* Shmelev, A.N. 9—71885
Imabayashi, M. *see* Ichimura, M. 9—99370
Imachi, K., Fujimasa, I., Nishisaka, T., Mano, I., Ohmichi, H., Iwai, N., Miyake, H., Takido, N., Kohno, A., Atsumi, K. System analysis on control softwares and haemodynamic studies of total artificial heart utilizing simulation model 9—84018
Imachi, M., Ito, S., Otsuki, S. String-junction model and width of baryonium 9—58928
Imachi, M., Kawabe, T., Otsuki, S., Yoneyama, H. Vortex string picture and large p_T reactions 9—63415
Imada, M. *see* Kitahara, K. 9—75446
Imaeda, K. Quaternionic formulation of tachyons, superluminal transformations and a complex space-time 9—53973
Imaeda, M. *see* Hogan, P.A. 9—71308, 9—71309, 9—71329
Imagawa, T. *see* Funabashi, M. 9—57541
Imagawa, T. *see* Masui, S. 9—57547
Imai, H., Fujiwara, T., Segi, K., Takusagawa, M., Takanashi, H. Degradations of optically-pumped GaAlAs double heterostructures at elevated temperatures 9—50295
Imai, H., Monura, S., Kurosawa, T., Fujii, K., Sasaki, Y. On release of methane from the graphite 9—51420
Imai, H., Morimoto, M., Hori, K., Takusagawa, M., Saito, H. Long-lived high-power GaAlAs DH laser diodes at 70°C 9—50321
Imai, H., Morimoto, M., Sudo, H., Fujiwara, T., Takusagawa, M. Catastrophic degradation of GaAlAs DH laser diodes 9—50290
Imai, H. *see* Akashi, H. 9—57545
Imai, H. *see* Hirayama, T. 9—80292
Imai, K., Hatanaka, K., Shimizu, H., Tamura, N., Egawa, K., Nisimura, K., Saito, T., Sato, H., Wakuta, Y. Polarization and cross section measurements for p-^{4}He elastic scattering at 45, 52, 60 and 65 MeV 9—97706
Imai, K., Tomizawa, I., Saito, M. Observational study on the origin of L-bursts in decametric radio emissions from Jupiter 9—70988
Imai, K. *see* Watanabe, J. 9—66374
Imai, M., Asakura, T. Evaluation of the mode scrambler characteristics in terms of the speckle contrast 9—98283
Imai, M. *see* Miyanaga, S. 9—55230
Imai, S., Abe, Y. Spectral envelope extraction by improved cepstral method 9—81659
Imai, S., Morita, S., Mikoshiba, N. Computer simulation of vortex motion in a Josephson junction induced by phonon injection 9—73636
Imai, T., Nagashima, T., Yamamoto, T., Uehara, K., Konoshima, S., Takeuchi, H., Yoshida, H., Fujisawa, N. Parametric instabilities in lower-hybrid-frequency heating of a Tokamak 9—90426
Imai, Y., Masuhara, E., Takakura, K., Nakaji, O., Yamashita, S. Modification of permeability of poly(vinyl alcohol)-acrylonitrile graft copolymer membranes by solvent treatment 9—70375
Imai, Y. *see* Ohtsuka, Y. 9—76581, 9—89848
Imam, M.A., Gilmore, C.M. Room temperature creep of Ti-6Al-4V 9—61662
Imamov, E.Z. *see* Belorusets, E.D. 9—91478
Imamov, R.M. *see* Khodyrev, Yu.P. 9—55724, 9—65062
Imamura, H. *see* Freed, P.S. 9—84019
Imamura, M. *see* Hashimoto, S. 9—54763
Imamura, M. *see* Ikuta, S. 9—76341
Imamura, M. *see* Narita, K. 9—51803
Imamura, M. *see* Oka, T. 9—68305
Imamura, S. *see* Yamabe, T. 9—56123
Imamura, T., Nakamizo, M., Honda, H. Formation of carbonaceous mesophase at lower temperature 9—90524
Imamura, T., Yamada, Y., Oi, S., Honda, H. Orientation behavior of carbonaceous mesophase spherules having a new molecular arrangement in a magnetic field 9—94869
Imamura, T. *see* Doi, M. 9—55360
Imamura, T. *see* Hasuo, S. 9—54170
Imamura, T. *see* Karino, I. 9—87914
Imamura, Y. *see* Kawarai, T. 9—87797
Imanaga, S. *see* Yokono, S. 9—78669
Imanaka, N. *see* Kanamori, A. 9—97791
Imanaka, N. *see* Kawashima, K. 9—80973
Imanishi, Y. *see* Kohara, S. 9—78898
Imanov, L.M. Investigation in the field of radiospectroscopy 9—56602
Imaoka, K. *see* Yasuda, M. 9—61783
Imas, Ya.A. *see* Aleshin, I.V. 9—69776
Imas, Ya.A. *see* Bonch-Bruevich, A.M. 9—68900
Imazato, J. *see* Hayano, R.S. 9—56670, 9—56671
Imazato, J. *see* Nishida, N. 9—56664
Imazato, J. *see* Shibata, T.A. 9—85414
Imazato, J. *see* Uemura, Y.J. 9—56669
Imazato, J. *see* Yamazaki, T. 9—56707
Imazu, S. *see* Miura, K. 9—77439
Imazu, T. *see* Mizoguchi, T. 9—73823
Imber, M. Inverse problem for the solid cylinder 9—94449
Imber, M. Nonlinear heat transfer in planar solids: direct and inverse applications 9—98589
Imbert, M. Orbital elements and dimensions of eclipsing binary AI Phe 9—71074
Imbusch, G.F. *see* Wilson, B.A. 9—73994
Imelik, B. *see* Bertolini, J.C. 9—52772
Imelik, B. *see* Candy, J.-P. 9—69348
Imelik, B. *see* Primet, M. 9—90881
Imenitova, E.V. Calculation of arbitrary concentrator configurations 9—94430
Imhof, J. An approximative determination of the orientation distribution function 9—86736
Imlay, R. *see* Benvenuti, A. 9—49508, 9—58951
Immerzeel, T.van *see* van Immerzeel, T.
Imoto, N., Sugimura, A., Daikoku, K., Miya, T. Dispersion characteristics of single mode optical fibers 9—90020
Imoto, N. *see* Tsuchiya, H. 9—76831
Imoto, S. *see* Adachi, H. 9—60753
Imoto, S. *see* Fuji, K. 9—91292
Imoto, S. *see* Miyake, C. 9—78303
Imoto, S. *see* Shiokawa, S. 9—82519
Imoto, S. *see* Tanabe, T. 9—77822
Imoto, S. *see* Yanabe, T. 9—52825
Impey, C.D. *see* Horne, K. 9—80321
Imry, Y. Long-range order in two dimensions 9—65307
Imry, Y., Wortis, M. Influence of quenched impurities on first-order phase transitions 9—73289
Imry, Y. *see* Aharony, A. 9—65386
Imry, Y. *see* Ben Jacob, E. 9—56429
Imry, Y. *see* Jacob, E.B. 9—87212
Imshennik, V.K., Suzdalev, I.P., Litterst, F.J. Characteristics of the electron state of the Fe^{3+} ion in polyacrylic acid 9—73872
Imshennik, V.S., Nadyozhin, D.K. Neutrino chemical potential and neutrino heat conductivity with allowance for neutrino scatterings 9—84657
Imura, T. *see* Hiraki, A. 9—95880
Imura, T. *see* Sugishita, J. 9—74264

Inaba, A., Mitsui, K. Nuclear spin conversion in methane at its triple point 9—77723
Inaba, H. *see* Booth, J. 9—76707
Inaba, H. *see* Ito, H. 9—59843
Inaba, H. *see* Kobayasi, T. 9—76708
Inaba, H. *see* Naito, K. 9—67302
Inaba, H. *see* Seki, N. 9—55317
Inaba, Y. *see* Kohno, K. 9—87706
Inabe, K. *see* Takeuchi, N. 9—78714
Inada, H. Crazing resistance of hard porcelain ware. XI. Studies on the glaze fitness of porcelain ware 9—74278
Inada, K. *see* Kitayama, K.-I. 9—81536
Inada, M. Effects of heat-treatment on crystal phases, microstructure and electrical properties of nonohmic zinc oxide ceramics 9—100268
Inada, S. *see* Sakamaki, K. 9—66152
Inada, T., Kato, S., Hara, T., Toyoda, N. Ohmic contacts on ion-implanted n-type GaAs layers 9—91158
Inada, Y. *see* Yamada, K. 9—81457
Inagaki, H. Transformation textures in control-rolled high tensile strength steel 9—83225
Inagaki, H. *see* Omoto, M. 9—64134
Inagaki, K. *see* Yoshihiro, K. 9—95786
Inagaki, S. *see* Morishita, K. 9—59823
Inagaki, T., Kuwata, H., Ueda, A. Phase-shift sum rules for the complex polarization amplitude of photon reflection 9—69802
Inagaki, T. *see* Arakita, Y. 9—85850
Inagaki, T. *see* Ikeda, H. 9—81383
Inaki, Y., Okada, T., Takahara, T., Takemoto, K. Trials on some synthesis related to chemical evolution under high pressure and γ-irradiation 9—52707
Inal, O.T., Torma, A.E. Growth characteristics of copper on tungsten grown through cementation, vapor deposition and electroplating 9—95291
Inal, O.T. *see* Murr, L.E. 9—51454
Inal, O.T. *see* Torma, A.E. 9—66023
Inami, T., Yamawaki, K. Spectral functions of currents in a relativistic confining potential model 9—71734
Inami, T. *see* Kawarabayashi, K. 9—89118
Inamura, T., Kojima, T., Nomura, T., Sugitate, T., Utsunomiya, H. Multiplicity of γ-rays following fast α-particle emission in the 95 MeV $^{14}N+^{159}Tb$ reaction 9—67770
Inamura, T. *see* Temmyo, J. 9—68532
Inamuro, T. *see* Aoki, K. 9—90286
Inao, K. *see* Ataka, S. 9—95218
Inatsu, H., Uchida, S. A new method of measuring line spread function 9—88161
Inatsu, H. *see* Uchida, S. 9—100713
Inawashiro, S., Togawa, T., Kurosaka, R. Computer experiment on mixtures of two anisotropic magnets with different easy axes 9—78408
Inawashiro, S. *see* Katsura, S. 9—95592
Inawashiro, S. *see* Matsubara, F. 9—78346
Ince, W.C.W. *see* Wainwright, J. 9—49122
Inchagov, A.V. *see* Prokopenko, V.S. 9—97830
Inchingolo, P., Bon, L., Corazza, R. Analogue analyser for on-line eye movement detection 9—79699
Incropera, F.P. *see* Daniel, K.J. 9—81704
Indebetouw, G. A simple optical noncontact profilometer 9—54095
Indel'man, P.V., Kats, R.M., Shvidler, M.I. Model for filtration of immiscible liquids 9—68800
Inden, P., Wagener, K. Large-scale production of alcohol from biomass. Energy budget, economics, and constraints 9—52864
Indenbom, V.L. *see* Suvorov, E.V. 9—95013
Indira, P.A., Unus, I.J., Lee, R.S., Venugopala Rao, P. L_1 subshell yields at Z=73 from the electron capture decay of ^{181}W 9—49608
Indira, P.A., Unus, I.J., Venugopala Rao, P., Fink, R.W. L X-ray yields from double-vacancy states in indium 9—49977
Indira, R., Ramanadhan, M.M., Murthy, K.P.N. Random sampling of scattering angle in neutron transport 9—85574
Indira, R. *see* Murphy, K.P.N. 9—89345
Indlin, Yu.A. Sensor perception measurement 9—62270
Indlin, Yu.A. Statistical properties of music and speech signals 9—64412
Indo, H. *see* Moriya, T. 9—82196
Indovina, P. *see* Vento, G. 9—66362
Indovina, P.L., Tettamanti, E., Micciancio-Giammarinaro, M.S., Palma, M.U. Thermal hysteresis and reversibility of gel-sol transition in agarose-water systems 9—66361
Indruch, H. *see* Kirchner, K. 9—52630
Indutnyi, I.Z. *see* Kostyshin, M.T. 9—78707
Infeld, E., Rowlands, G. Stability of nonlinear ion sound waves and solitons in plasmas 9—60128
Infeld, E., Rowlands, G. Three dimensional stability of Korteweg-de Vries waves and solitons. II 9—97211
Infelta, P.P. *see* Lachish, U. 9—50032
Ingalls, R., Liu, C.M., Rao, K.V. High pressure studies of Invar-related systems 9—56642
Ingalls, R., Van Der Woude, F., Sawatzky, G.A. Iron and nickel [Mossbauer isomer shifts] 9—87354
Ingalls, R. *see* Liu, C.M. 9—73860, 9—73861
Ingard, K.U. *see* Munro, D.H. 9—86282
Inge, C., Johansson, A.V., Lindgren, E.R. Effects of Congo Red on the drag reduction properties of polyethylene oxide 9—64717
Ingelman, G., Andersson, B., Claesson, G., Soderstrom, K., Otterlund, I. Detection of short-lived particles in nuclear emulsions 9—97947
Ingelman, G. *see* Andersson, B. 9—89202
Ingels, F.M., Currie, R., Golden, S., Norckauer, H. Real time versus frequency domain processing and tracking filter design for acoustic signals 9—81643
Ingels, N.B., Jr., Mead, C.W., Daughters, G.T., II, Stinson, E.B., Alderman, E.L. A new method for assessment of left ventricular wall motion 9—62358
Ingemarsson, A. Phenomenological shell-model proton transition densities for ^{12}C 9—93517
Ingemarsson, A., Johansson, T., Tibell, G. Medium-energy proton scattering from ^{58}Ni: experimental results and coupled-channel calculations 9—75984
Ingemarsson, A., Jonsson, O., Hallgren, A. Elastic and inelastic scattering of 185 MeV protons from ^{12}C 9—59060
Ingersoll, A.P., Beebe, R.F., Collins, S.A., Hunt, G.E., Mitchell, J.L., Muller, P., Smith, B.A., Terrile, R.J. Zonal velocity and texture in the Jovian atmosphere inferred from Voyager images 9—92711
Ingersoll, A.P. *see* Mitchell, J.L. 9—92712
Ingersoll, D.T., Slater, C.O., Williams, M.L. Design of a prototypic GCFR grid-plate shield confirmation experiment 9—54562
Ingersoll, K.A. *see* Johnson, L.F. 9—68451
Ingerson, T. *see* Atwood, B. 9—66924
Ingham, D. *see* Leitch, M.J. 9—85451
Ingham, D.B. MHD flows in the presence of a transverse magnetic field 9—55425
Ingle, F.W., Claude, J.P. Pressure transducer development, characterization, and compensation 9—75519
Ingle, F.W., Claude, J.P. A simple and novel pressure transducer 9—75520
Ingle, F.W. *see* Yount, D.E. 9—81612
Ingle, R.W. *see* Macklin, R.L. 9—85471
Ingle, S.G., Bangre, B.M. Strain polarization interaction in ferroelectric $PbNb_2O_6$ 9—56750
Ingle, S.G., Mishra, M.B. Effect of dopants on domain structures in thick crystals of $KNbO_3$ 9—56749
Inglesfield, J.E. The effective quasiparticle potential in molecules and solids. I. Green function formalism 9—49940
Inglesfield, J.E. The effective quasiparticle potential in molecules and solids. II. Applications of the Wigner-Seitz potential 9—50160
Inglesfield, J.E. Surface states and photoemission from Mo (001) 9—60887
Inglesfield, J.E. The local density of states and the local environment in alloys 9—82509
Inglesias-Sicardi, J.R. *see* Aveline, I. 9—69474
Ingley, H.A. *see* Farber, E.A. 9—62123, 9—62129, 9—62133
Inglima, C. *see* de Rosa, A. 9—63652
Inglima, G. *see* Sandoli, M. 9—68174
Ingling, C.L., Jr., Russell, P.W., Rea, M.S., Tsoh, B.H.-P. Red-green opponent spectral sensitivity: disparity between cancellation and direct matching methods 9—53120
Inglis, D.Rittenhouse *see* Rittenhouse Inglis, D.
Inglizyan, P.N. *see* Voskanyan, A.A. 9—73513
Ingmanson, D.E. *see* Dowler, M.J. 9—57975
Ingoldsby, T.C. Thornton's biophysics modules—an evaluation 9—71206
Ingraham, R.L. Conformal relativity. VI. The general theory 9—54022
Ingram, C.H.Q. Pion-nucleus scattering around the 3-3 resonance 9—85528
Ingram, C.H.Q. *see* Arvieux, J. 9—85512
Ingram, C.H.Q. *see* Bolger, J. 9—85515
Ingram, D. *see* Hinds, C.H. 9—70576
Ingram, M.D. *see* Grant, R.J. 9—77807
Ingrems, P. Electronic equipment for video records and cine materials cutting 9—89029
Ingrey, S.J. *see* Feenstra, R.M. 9—73605
Ingrosso, G. *see* D'Innocenzo, A. 9—63453, 9—75802
Inguscio, M. *see* Arimondo, E. 9—64118
Ingwersen, H. *see* Jaeschke, E. 9—72002
Ingwersen, H. *see* Repnow, R. 9—72214
Inhaber, H. Risk assessment of energy technology 9—52862
Inhaber, H. Is solar power riskier than nuclear? 9—87956
Inhaber, H., Alvo, M. World science as an input-output system 9—58521
Inhaber, H. *see* Rabkin, Y.M. 9—97180
Inhaber, H. *see* Ricci, P. 9—70479
Iniguez, J. *see* Rivas, J. 9—56572, 9—82834
Iniguez, M.P. *see* Alonso, J.A. 9—74412
Iniguez, P. *see* Alonso, J.A. 9—90592
Inikhov, A.G. *see* Golubev, L.I. 9—71878
Inkson, J.C. *see* Gunn, J.M.F. 9—51492
Inkson, J.C. *see* Holden, A.J. 9—51491
Inkson, J.C. *see* Ortuno, M. 9—51505
Inman, R.V. *see* Mansfeld, F. 9—96237
Inn, E.C.Y., Vedder, J.F., Tyson, B.J., O'Hara, D. COS in the stratosphere 9—58014
Innanen, K.A. The limiting radii of direct and retrograde satellite orbits, with applications to the solar system and to stellar systems 9—88572
Inners, C.R., Terry, P.B., Traystman, R.J., Menkes, H.A. Effects of lung volume on collateral and airways resistance in man 9—88106
Inners, R.R. *see* Sims, R.W. 9—70316
Innes, W.R. *see* Abrams, G.S. 9—89149, 9—89174
Innes, W.R. *see* Jostlein, H. 9—89310
Innnen, K.A., Papp, K.A. Extratidal variables and the dynamics of the Sculptor dwarf galaxy 9—67088
Innocenti, G.M., Frost, D.O. Effects of visual experience on the maturation of the efferent system to the corpus callosum 9—79524
Innocenti, P.G. Detection of events with jet structure 9—97953
Innocenti, P.G. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Ino, S. *see* Aiyama, T. 9—60612
Ino, S. *see* Ichikawa, T. 9—90855
Ino, T. A note on the connection between the semi-local duality and the SU(6) multiplet 9—93386
Inoko, F. *see* Mima, G. 9—70163
Inokuchi, H. *see* Kimura, K. 9—66439
Inokuchi, H. *see* Seki, K. 9—86004
Inokuchi, K. *see* Nishizawa, J. 9—95284
Inomata, A., Trinkala, M. General relativity as a limit of the de Sitter gauge theory 9—58598
Inomata, A. *see* Langguth, W. 9—49079
Inomata, K., Hasegawa, M., Shimanuki, S. Substituted amorphous Co-Fe-Si-B alloys 9—69695
Inomata, Y., Tanaka, H. Comment on the evaporation of Si-Al-O-N compounds under N_2 atmosphere at high temperature 9—57226
Inomata, Y. *see* Kuriyama, M. 9—69302
Inomoto, K., Ikegaya, K. On the stochastic aspects of voice babble and effect on speech intelligibility 9—81653
Inomoto, K. *see* Watanabe, S. 9—90092
Inopin, E.V., Kinchakov, V.S., Lukyanov, V.K., Pol, Y.S. Charge form factors of nuclei in the alpha cluster model 9—63571
Inopin, E.V. *see* Kirichenko, Yu.V. 9—49577, 9—59030
Inopin, E.V. *see* Nagornyi, S.I. 9—67746
Inose, Y. *see* Ueyama, N. 9—91665
Inoshita, T. *see* Wada, J. 9—84023
Inoue, A., Kimura, H., Masumoto, T., Sakai, S. Crystallization temperature and hardness of new chromium-based amorphous alloys 9—73133
Inoue, A., Lim, E.C. Proximity effect in spin sublevel dynamics: possible influence of a low-lying $^3A_2(n\pi^*)$ state on singlet→triplet intersystem crossing of pyrimidine 9—50055
Inoue, A., Masumoto, T. Crystallization behavior and amorphous high-carbon alloy steels 9—94911
Inoue, A., Masumoto, T., Kikuchi, M., Minemura, T. Effect of compositions on the crystallization of (Fe,Ni,Co)-Si-B amorphous alloys 9—94910
Inoue, A., Masumoto, T., Kimura, H. Embrittlement of Fe,Ni,Co amorphous alloys containing metalloid elements by crystallization 9—96134
Inoue, A., Masumoto, T., Kitamura, A. Ni-B and Co-B amorphous alloys with high boron concentration 9—96002
Inoue, A., Masumoto, T., Minemura, T., Kojima, Y. Formation of ductile Ni_3Al type compound in Fe-(Ni, Mn)-Al-C systems by splat quenching 9—100197
Inoue, A., Masumoto, T., Naohara, T. Crystallization temperature and hardness of new type cobalt-based amorphous alloys 9—77529
Inoue, A. *see* Koh, H. 9—88222
Inoue, A. *see* Naka, M. 9—66211
Inoue, E. *see* Shimizu, I. 9—90009
Inoue, G., Akimoto, H., Okuda, M. Laser-induced fluorescence spectra of CH_3O 9—59498
Inoue, G., Nakata, Y., Usui, Y., Akimoto, H., Okuda, M. Emission of NO_2* formed in the photodissociation of N_2O_4 9—66298
Inoue, H. *see* Helbig, M. 9—70036
Inoue, H. *see* Paciotti, M. 9—79629
Inoue, J., Yamada, H., Shimizu, M. Calculation for the magnetic properties for FCC Fe-Ni alloys 9—65659
Inoue, J. *see* Yamada, H. 9—56493, 9—87247
Inoue, K. Preoperational test, start-up tests and operating experience for Fukushima Daiichi nuclear power station unit-5 9—67881
Inoue, K., Hoshino, S. Studies on the water-induced crystallization of polyamides. I. Crystallization of poly(m-xylylene adipamide) induced by water absorption 9—90573
Inoue, K., Hoshino, S. Studies on the water-induced crystallization of polyamides. II. Process of water-induced crystallization of poly(m-xylylene adipamide 9—90574
Inoue, K., Kanzaki, H., Suga, S. Fundamental absorption spectra of solid hydrogen 9—73967
Inoue, K., Nakano, Y., Kakuto, A. Radiative corrections for Yukawa couplings and masses of leptons and quarks in grand unified model 9—97555

Inoue, K., Nakashio, F. Mass transfer accompanied by chemical reaction at the surface of a single droplet 9—77290
Inoue, K., Shen, Y.R. Study of isotropic-nematic phase transition by optical-field-induced molecular alignment in binary mixtures 9—82323
Inoue, K. *see* Hirao, T. 9—51138, 9—55764, 9—99227
Inoue, K. *see* Kondo, M. 9—83582
Inoue, K. *see* Mitani, T. 9—91513
Inoue, K. *see* Nakajima, M. 9—99353
Inoue, K. *see* Sawaragi, Y. 9—57502
Inoue, K. *see* Sugiura, H. 9—95594
Inoue, K. *see* Takahashi, T. 9—90571
Inoue, M., Chung, S.G. Bion dissociation in sine-Gordon system 9—63048
Inoue, M., Kuramoto, H., Nakamura, D. ESR studies of triplet excitons and copper(II) ions in $[TMPD^+]_2[Cu_xNi_{1-x}(mnt)_2]$ (TMPD: N,N,N′,N′-tetramethyl-p-phenylenediamine, mnt: 1,2-dicyanovinylene-1,2-dithiolato) 9—95633
Inoue, M. *see* Ishida, T. 9—73156
Inoue, M. *see* Kajiya, F. 9—70609
Inoue, M. *see* Kumabe, I. 9—89264
Inoue, M. *see* Miura, I. 9—54663, 9—68013
Inoue, N., Ishiguro, M. Brillouin scattering study of vibrational relaxation in liquid fluorobenzene 9—51206
Inoue, N., Ishiguro, M. Hypersonic study of vibrational relaxation in liquid chlorobenzene 9—77692
Inoue, N., Yasuoka, H. Temperature-induced local magnetic moments in CoSe2-^{59}Co NMR 9—65747
Inoue, N. *see* Aguirre, C. 9—62699
Inoue, N. *see* Nihei, H. 9—55521
Inoue, N. *see* Wada, K. 9—99222
Inoue, S. *see* Fujii-e, Y. 9—77734
Inoue, S. *see* Saito, M. 9—87997
Inoue, S. *see* Suematsu, H. 9—49223
Inoue, T. Introduction to solid mechanics. IV. Yield criteria and constitutive equations of elastic-plastic material 9—59933
Inoue, T., Komatsu, H. Effects of growth rates on the defect generation in CKl crystals grown by Czochralski method 9—51032
Inoue, T., Sugata, E. Coadsorption study of lanthanum and boron on tungsten by field emission and field ion microscope 9—52087
Inoue, T. *see* Matsukura, Y. 9—81785
Inoue, T. *see* Takagi, S. 9—54601
Inoue, Y., Tochiyama, O., Hamashima, S. Removal of ^{233}Pa from ^{237}Np using manganese dioxide or silica gel 9—52733
Inouye, H., Noda, K., Kita, S. Repulsive potentials derived from beam scattering of Rb^+ and Cs^+ ions by rare gas atoms 9—98184
Inouye, H. *see* Kita, S. 9—81273
Inouye, T. Image reconstruction with limited angle projection data 9—66508
Inozemtsev, V.I. Collective phenomena in the one-dimensional three-particle model of high-energy potential scattering 9—80455
Inozemtseva, O.I. *see* Belov, A.V. 9—80135
Inque, T., Hori, S., Miyata, Y., Ozeki, S., Shigematsu, Y. High versus low dose rate intracavitary irradiation of carcinoma of the uterine cervix. A preliminary report 9—74759
Insarova, N.I. *see* Lugina, A.S. 9—50352, 9—55181
Instone, T., Eaves, L. Oscillatory intrinsic photoconductivity in semi-insulating and high-purity n-type indium phosphide 9—60871
In't Veld, G.H. *see* Rozzi, T.E. 9—55214
Intemann, G.W. *see* Greenhut, G.K. 9—93422
Interrante, L.V. *see* Kasper, J.S. 9—94986
Intriligator, D.S., Collard, H.R., Mihalov, J.D., Vaisberg, O.L., Wolfe, J.H. Evidence for Earth magnetospheric tail associated phenomena at 3100 R_E 9—96861
Inui, E. *see* Mori, Y.H. 9—55378
Inuishi, Y. High field conduction and breakdown in dielectric liquids 9—91355
Inuishi, Y. *see* Fujii, H. 9—91363
Inuishi, Y. *see* Kaneto, K. 9—91091
Inuishi, Y. *see* Uemoto, T. 9—82154, 9—91394
Inuishi, Y. *see* Ueno, N. 9—98249
Inuishi, Y. *see* Yamamoto, M. 9—51611
Inuishi, Y. *see* Yamamoto, Y. 9—51586
Inuishi, Y. *see* Yasuda, N. 9—78634, 9—91384, 9—99815, 9—99832
Inuishi, Y. *see* Yoshino, K. 9—51559, 9—51592, 9—51905, 9—65563, 9—65824, 9—81498, 9—82925, 9—91364
Inukai, T. *see* Yahata, N. 9—61708, 9—100266
Inuma, T.A. *see* Suda, Y. 9—66528
Inyakin, A.V. *see* Akopdzhanov, G.A. 9—59305
Inyakin, A.V. *see* Apel', V.D. 9—67609, 9—89194
Inyakin, A.V. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Inyushkin, A.V. *see* Ginodman, V.B. 9—91178
Ioakimidis, N.I., Theocaris, P.S. Numerical determination of a class of generalized stress intensity factors 9—72851
Ioakimidis, N.I., Theocaris, P.S. A system of curvilinear cracks in an isotropic elastic half-plane 9—81806
Ioakimidis, N.I., Theocaris, P.S. Stress intensity factors in bonded half planes containing inclined cracks and subjected to antiplane shear loading by J.L. Bassani and F. Erdogan 9—81813
Ioakimidis, N.I. *see* Theocaris, P.S. 9—51931, 9—68571, 9—72858, 9—82273
Ioanid, A. *see* Bunget, I. 9—60837
Ioannides, A.A., Johnson, R.C. Propagation of a deuteron in nuclear matter and the spin dependence of the deuteron optical potential 9—93635
Ioannides, A.A. *see* Jackson, D.F. 9—76027
Ioannu, P.D. *see* Antropov, A.E. 9—67753
Iobal, T., Hogarth, C.A. The trap depth in evaporated polypropylene from measurements of thermally stimulated currents 9—95535
Ioffe, A.D., Tihomirov, V.M. Theory of extremal problems 9—63001
Ioffe, A.Ya. *see* Rabinovich, S.V. 9—81580
Ioffe, B.A. *see* Kalnin', R.K. 9—96272
Ioffe, B.L. Masses of light quarks and interaction of low-energy η mesons 9—67513
Ioffe, B.V. *see* Vitenberg, A.G. 9—61921
Ioffe, I.V. Magnetic excitation of capillary waves and second sound in an He^3-He^4 solution 9—60594
Ioffe, I.V., Kovnatskii, A.M., Matyushichev, Yu.K. New instability of a liquid metal in an electric field 9—64634
Ioffe, I.V. *see* Kovnatskii, A.M. 9—90271
Ioffe, M.V. *see* Borisov, N.V. 9—58936, 9—63432
Iofin, L.E., Fridman, V.M. Generalization of the method of dynamic compliances and rigidities the case of unsteady vibrations of complex elastic systems 9—81755
Iofis, B.G. *see* Kornitskii, A.G. 9—87493
Iogansen, A.V. Vibrational spectra of simple molecules in the liquid phase. II. Hot bands and anharmonicity of the vibrations of CS_2, CO_2, and N_2O 9—50022
Iogansen, A.V., Rassadin, B.V., Romantsova, G.I., Grushina, N.M. Vibration spectra of simple molecules in the liquid phase. I. Fundamental bands of CS_2, OCS, CO_2, and N_2O 9—54856
Iogansen, L.V., Malov, V.V. Relative intensities of multiplet components in the matrix fluorescence spectra of benzene and naphthalene 9—54882
Iogansen, L.V., Malov, V.V. Amplifier based on resonant tunneling between passive and active optical waveguides 9—59838
Iogansen, L.V., Malov, V.V. Theory of a prism accumulator with an anisotropic optical waveguide 9—64336
Iogansen, L.V. *see* Malov, V.V. 9—76884, 9—76885
Iokdo, M.G., Karakad'ko, V.K., Romanov, V.A. Measurement of isotopic composition of helium in primary cosmic rays 9—80145
Ioki, K. *see* Asmai, N. 9—76135
Ioki, K. *see* Sako, K. 9—76126
Iolin, E.M. *see* Zolotoyabko, E.V. 9—56644
Ion-Mikhan, R. *see* Vavryshuk, Ya. 9—49597
Ionescu, C. *see* Vlahovici, A. 9—61425
Ionescu, L.M. Small angle neutron scattering from solutions of copolymers in 'good solvent'. The 'excluded volume' effect 9—60259
Ionescu, N.I. Electrical resistance of thin metallic films during gas adsorption 9—82691
Ionescu, N.I. *see* Cismaru, D. 9—61794
Ionescu, V., Kern, J., Nordmann, C., Olbrich, S., Rheme, C. A Compton suppression spectrometer (CSS) for in-beam gamma-ray spectrometry 9—76261
Ionescu-Bujor, M., Iordachescu, A., Ivanov, E.A., Plostinaru, D., Vajda, S. Quadrupole interaction of ^{120}Sb in metallic tin 9—99799
Ionov, A.M., Rytus, N.N., Nikiforova, T.V. Producing samarium with high degree of purity 9—70012
Ionov, S.P., Zemskov, B.G., Manakova, L.A. The electronic spectra and parametric instabilities in charge-ordered crystals with intraband electron attraction 9—51504
Ionov, S.P. *see* Ionova, G.V. 9—78560
Ionov, S.P. *see* Lyubimov, V.S. 9—78561
Ionova, E.N. *see* Palatnik, L.S. 9—69703
Ionova, G.V., Ionov, S.P. Charge-orbital ordering in inorganic crystals and its manifestation in nuclear quadrupole resonance spectra 9—78560
Ionushauskas, S.L., Kuplyauskis, Z.I., Yakimavichyus, I.A. Radial and momentum distributions of valence electrons in C, Si, and Ge crystals and their correlation with X-ray form factors and Compton profiles 9—65956
Ioos, P. *see* Brandelik, R. 9—93441
Iordache, D. *see* Daniello, L. 9—73772
Iordachescu, A. *see* Ionescu-Bujor, M. 9—99799
Iordanis, P.C. *see* Hazlewood, F.J. 9—83392
Iordanishvili, E.K. *see* Gerashchenko, O.A. 9—93136
Iordanov, D.L. *see* Laikhtman, D.L. 9—100900
Iordanskii, S.V., Kulikovskii, A.G. Motion of liquid containing fine particles 9—64745
Iordanskii, S.V., Pitayevskii, L.P. Multiphonon boundary of the excitation spectrum in He II 9—51324
Iordanskii, S.V. *see* Bychkov, Yu.A. 9—90964
Iori, I. *see* Ferrero, A.M. 9—49630
Iorio, G. *see* Astarita, G. 9—83663
Iorysh, Z.I. *see* Skul'skaya, L.I. 9—52820
Ioselevich, A.S. *see* Aronov, A.G. 9—65393
Iosif, S., Iosif, T., Prochazkova, D. Seismic source parameters of large earthquakes in Vrancea 9—84169
Iosif, S. *see* Iosif, T. 9—84171
Iosif, T., Iosif, S. The Vrancea earthquake of March 4, 1977—a multiple seismic event and its seismotectonic implications 9—84171
Iosif, T. *see* Iosif, S. 9—84169
Iosilevskii, Ya.A. Green's functions of scalar macroscopic fields in anisotropic stratified media 9—58544
Iosilevskii, Ya.A. Density of states of a scalar macroscopic field in an anisotropic medium with piecewise-constant parameters 9—69388
Iova, F. Optical spectra of exchange-coupled transition metal ions in ionic crystals 9—87474
Iova, I., Dobre, M. The hollow cathode effect in plane parallel geometry and axial electric field in the presence or absence of a longitudinal magnetic field 9—60209
Iova, I. *see* Musa, G. 9—89646
Iovi, A. *see* Gropsian, Z. 9—81693
Iovu, M.A., Iovu, M.S., Shutov, S.D. Photoelectric properties of interfaces between metals and glassy As_2S_3 and Sb_2S_3 9—73589
Iovu, M.S. *see* Arkhipov, V.I. 9—95418
Iovu, M.S. *see* Iovu, M.A. 9—73589
Ip, W.H. On the Pioneer 11 observation of the ring of Jupiter 9—88620
Ip, W.-H. *see* McKenzie, J.F. 9—96876
Ipatova, I.P. *see* Andreev, D.A. 9—56145
Ipavich, F.M., Gloeckler, G., Fan, C.Y., Fisk, L.A., Hovestadt, D., Klecker, B., O'Gallagher, J.J., Scholer, M. Initial observations of low energy charged particles near the Earth's bow shock on ISEE-1 9—58198
Ippen, E.P. *see* Ho, P.-T. 9—50329
Ippolitov, I.I. *see* Banakh, G.F. 9—58088
Ippolitov, M.B. *see* Baev, V.M. 9—53517
Ippolitov, V.V. *see* Kapitanov, N.N. 9—57808
Ipser, J.R., Semenzato, R. A variational principle for the even-parity perturbations of spherically symmetric star clusters in general relativity 9—53860
Iqbal, M. Estimation of the average diffuse component of the total solar radiation 9—57399
Iqbal, M. Optimum collector slope for residential heating in adverse climates 9—66416
Iqbal, M. A study of Canadian diffuse and total solar radiation data. I. Monthly average daily horizontal radiation 9—70876
Iqbal, M. A study of Canadian diffuse and total solar radiation data. II. Monthly average hourly horizontal radiation 9—70877
Iqbal, M. Hourly vs daily method of computing insolation on inclined surfaces 9—83572
Iqbal, M.Zafar *see* Zafar Iqbal, M.
Irac, M. *see* Bertrand, J. 9—54006
Iram, F. *see* Bo Hoistad 9—85463
Ireland, C.L.M. A ~20 ps resolution crystal streak camera 9—85189
Ireland, F.E., Bryce, D.J. The philosophy of control of air pollution in the United Kingdom 9—70493
Ireland, P.J. *see* Kazmerski, L.L. 9—83603
Irfan, A.Y., Thorne, A.P., Bohlander, R.A., Gebbie, H.A. Fourier transform spectroscopy in the vacuum ultraviolet 9—54198
Irgaziev, B.F. *see* Zubarev, A.L. 9—54460
Irgen, L.A. *see* Bunin, V.G. 9—52292
Iri, M. *see* Nakamori, M. 9—74978
Iricibar, R. *see* Auciello, O. 9—51170
Irie, F., Hamasaki, K., Yoshida, K. Current-steps in large Josephson tunnel junctions 9—65612
Irie, F., Matsushita, T., Takeo, M., Klipping, G., Luders, K., Ruppert, U. Flux jumps in superconducting wires in AC fields 9—60965
Irie, F. *see* Enpuku, K. 9—82718
Irie, F. *see* Ezaki, T. 9—71487
Irie, H. *see* Watanabe, S. 9—55284
Irie, N. *see* Abe, Y. 9—67850
Irie, S. *see* Ohji, K. 9—61706
Irie, T., Endo, S., Kimura, S. Electrical properties of p- and n-type $CuInSe_2$ single crystals 9—87096
Irie, T., Yamada, G. Free vibration of circular plate elastically supported at some points 9—72836
Irie, T., Yamada, G. Thermally induced vibration of circular plate 9—94524
Irie, T., Yamada, G., Narita, Y. Free vibration of clamped polygonal plates 9—94523
Irie, T., Yamada, G., Takahashi, I. Determination of the steady state response of a Timoshenko beam of varying cross-section by use of the spline interpolation technique 9—81772
Irie, T. *see* Kobayashi, N. 9—89756
Irie, Y. *see* Matoba, M. 9—97705
Irigaray, J.L. *see* Rigaud, F. 9—93617
Irion, J. *see* Giboni, K.L. 9—89204
Irisawa, J., Hamajima, T., Shigeta, N., Seno, Y., Hayashi, I. Toroidal pinch experiments with a perforated shell-type coil 9—86598
Irish, J.D. *see* Heeds, W. 9—54577
Irisova, N.A. *see* Meriakri, V.V. 9—56756
Irisova, N.A. *see* Vinogradov, E.A. 9—92391
Irisova, N.A. *see* Vinogradov, Ye.A. 9—93168

Iriyama, J., Oki, Y. Thermal structure and energy of the Hakone volcano, Japan 9—74878
Irkhin, Yu.P. *see* Raevskaya, L.T. 9—69494
Irla, H. *see* Fesquet, J. 9—89911
Irlweck, K., Sorantin, H. Tritium levels in urine of occupationally exposed persons caused by different types of working conditions 9—83947
Irmer, G. *see* Buchheim, W. 9—88344
Irngartinger, H. *see* Aravamudhan, S. 9—87326
Irnich, W. *see* Gebhardt, U. 9—84007
Irodova, A.V., Somenkov, V.A., Shil'shtein, S.Sh., Padurets, L.N., Chertkov, A.A. Structure of $CoZrD_3$ 9—65061
Irodova, A.V. *see* Somenkov, V.A. 9—69246
Irom, F. *see* Hoistad, B. 9—89274
Irons, F.E. The escape factor in plasma spectroscopy. I. The escape factor defined and evaluated 9—90385
Irons, F.E. The escape factor in plasma spectroscopy. II. The case of radiative decay 9—90386
Irons, F.E. The escape factor in plasma spectroscopy. III. Two case studies 9—90387
Irons, G.A. *see* Davis, K.G. 9—49360
Irshinskii, A.L., Ozhogin, V.I., Cherepanov, V.M., Yakimov, S.S. Critical behavior of iron borate and iron-yttrium garnet 9—61106
Irven, J., Robinson, A. Optical fibres prepared by plasma-augmented vapour deposition 9—50451
Irvin, G.L., III *see* Pollack, A. 9—57726
Irvin, J.A. *see* Quickenden, T.I. 9—89738
Irvine, C.E. *see* Irvine, N.J. 9—67036
Irvine, J. *see* Finlayson, D.M. 9—73550
Irvine, J.M. The signature for a high-density isomeric state formed in a relativistic heavy-ion collision 9—85390
Irvine, J.M. The nuclear physics of neutron stars 9—92797
Irvine, J.M. *see* Modarres, M. 9—75884
Irvine, N.J., Irvine, C.E. Suspected variability and line emission in early-type stars 9—67036
Irvine, W.M. *see* Schloerb, F.P. 9—75157
Irving, A.C., Berger, E.L., Sorensen, C. Implications of nucleon-nucleon spin-polarisation measurements 9—63505
Irving, A.C., Gavillet, P., Dionisi, C., Mazzucato, M., Foster, B., Pennington, M.R. Backward axial vector meson production at intermediate energy 9—93458
Irving, B.R., Spencer, G.H., Strenzwilk, A.P. Diffraction evaluation of general optical systems 9—86231
Irving, E., McGlynn, J.C. Palaeomagnetism in the Coronation Geosyncline and arrangement of continents in the middle Proterozoic 9—84101
Irving, S.J. The effect of bends on the discharge coefficient of orifice plates 9—68865
Irwin, A.W. A simple formula for atomic line broadening by neutral hydrogen 9—92665
Irwin, D.J.G. *see* Pinnington, E.H. 9—81173
Irwin, J.B. The case of the degenerate dwarf 9—84932
Irwin, J.C., Clayman, B.P., Mead, D.G. Long-wavelength phonons in GaTe 9—69210
Irwin, J.S. A theoretical variation of the wind profile power-law exponent as a function of surface roughness and stability 9—88387
Irwin, J.S., Cope, A.M. Maximum surface concentration of SO_2 from a moderate-size steam-electric power plant as a function of power plant load 9—83659
Irzhikyavichyus, A.E., Kavalyauskas, Yu.F., Shileika, A.Yu. Schottky-barrier electroreflection spectra of Au-GaAs in the region of the E_0, $E_0+\Delta_0$, and E_1, $E_1+\Delta_1$ structures under uniaxial stress 9—56767
Isa, H., Hayashi, Y., Hayashi, M., Uenosono, C. Observation of corona discharges in atmospheric air under AC voltage 9—84417
Isa, H., Nishi, T., Hayashi, M., Uenosono, C. Breakdown and corona characteristics of rod-to-plane gap in atmospheric air under AC voltage 9—84416
Isaac, A.K. *see* Smart, B.G.D. 9—84511
Isaac, J.J., Paranjpe, P.A. Cycle optimization for a solar turbopack 9—62019
Isaacman, R. The interaction of high-velocity planetary nebulae with the interstellar medium 9—101179
Isaacs, H.S. *see* Vi-Duong Dang 9—52915
Isaacson, A.D. Calculations of $He(2\,^{1,3}S)+H$ ionization cross sections using ab initio potentials and widths derived from Siegert eigenvalues 9—87836
Isaacson, A.D., Miller, W.H. Calculation of Siegert eigenvalues for molecular systems: results for $He(2\,^{1,3}S)+H$ 9—50106
Isaacson, M.S. *see* Hwang, D.M. 9—100001
Isaacson, R.A. *see* Weissman, M.B. 9—98290
Isaak, H.P. *see* Engfer, R. 9—85497
Isabaev, S.M., Kasenov, B.K., Zhambekov, M.I., Zhumanova, K.M., Kozorin, L.G. The sytems As_2O_5-$Rb_2O(Rb_2CO_3)$ 9—83181
Isacker, P.van *see* van Isacker, P.
Isacker, P.Van *see* Van Isacker, P.
Isacks, B.L. *see* Barazangi, M. 9—66671
Isaev, A.B. *see* Voronov, G.N. 9—74475
Isaev, E.I. *see* Seleznev, V.A. 9—52516
Isaev, G.P. *see* Grigor'ev, V.P. 9—55474
Isaev, Kh. *see* Muminov, V.A. 9—100474
Isaev, N.I. *see* Mironov, I.I. 9—52437
Isaev, O.A. *see* Skripov, V.P. 9—86491
Isaeva, I.K. Orientation relationships in heteroepitaxy of tungsten on sapphire 9—60661
Isagawa, S. *see* Hiramatsu, S. 9—63238
Isai, V.N. *see* Romanova, A.V. 9—69006
Isaichev, V.I. *see* Larikov, L.N. 9—87689
Isaka, H. *see* Brenguier, J.L. 9—88449, 9—88450
Isaka, H. *see* Guillemet, B. 9—88447
Isaka, H. *see* Mascart, P. 9—53417
Isakhanov, G.V., Kislookii, V.N., Sakharov, A.S., Sinyavskii, A.L. Mathematical system for the stress analysis of spatial structures. I 9—90140
Isakhanov, G.V., Kislookii, V.N., Sakharov, A.S., Sinyavskii, A.L. System of mathematical provision of calculations of three-dimensional structures. II 9—98623
Isakov, G.I. *see* Aliev, M.I. 9—87115
Isakov, I.M., Leonov, A.G., Ogluzdin, V.E. Increased efficiency of a transverse-discharge XeF laser 9—72595
Isakov, V.K., Kalugin, M.M., Potapov, S.E. Output spectrum of a manganese-chloride laser 9—68387
Isakova, N.P., Medin, S.A. Subsonic flow in the channel of an MHD-generator 9—55567
Isaksen, I.S.A., Crutzen, P.J. Uncertainties in calculated hydroxyl radical densities in the troposphere and stratosphere 9—53426
Isaksen, I.S.A., Midtbo, K.H., Sunde, J., Crutzen, P.J. A simplified method to include molecular scattering and reflection in calculations of photon fluxes and photodissociation rates 9—53512
Isaksen, I.S.A. *see* Hesstvedt, E. 9—53427
Isaksen, I.S.A. *see* Hov, O. 9—62560, 9—74568
Isao, A., Suzuki, N., Nakamura, K. Mass production technique of multilayer interference films by roll coating 9—81577
Isawa, N. *see* Kaneko, K. 9—65992
Isayev, G.V., Pervushin, V.N., Pushkin, S.V. Dynamical affine symmetry and renormalisation in gravity 9—85048
Isbell, D.M. *see* Young, W.H. 9—84545
Isbister, D.J., Freasier, B.C. Adsorption of dipolar hard spheres onto a smooth, hard wall in the presence of an electric field 9—67221
Ischenko, A.A. *see* Demidov, A.V. 9—81293
Ischenko, G. *see* Klaumunzer, S. 9—87179
Ischenko, G. *see* Muller, P. 9—56348
Ise, N. New facets of polyelectrolyte 'catalysis' 9—57217
Iseki, T., Maruyama, T., Hanafusa, K., Suzuki, H. Effect of surface roughness on the bending strength of graphite and alumina at high temperatures 9—70131
Iseki, T., Mori, A., Suzuki, H. Fracture of hot-pressed silicon nitride in bending 9—79113
Iseler, G.W. *see* Kildal, H. 9—76761
Isenbeck, W. *see* Drijard, D. 9—80853, 9—89198
Isenhour, T.L. *see* Rasmussen, G.T. 9—96380
Isenhour, T.L. *see* Small, G.W. 9—100458
Isenor, N.R. *see* Villeneuve, D.M. 9—90456
Isett, L.C., Reynolds, G.A., Schneider, E.M., Perlstein, J.H. The properties of tetraphenyldithiapyranylidene triiodides: two new organic conductors 9—56207
Isgur, N., Karl, G. Positive-parity excited baryons in a quark model with hyperfine interactions 9—67511
Isgur, N. *see* Copley, L.A. 9—97601
Ishai, I., Tons, E., Chritz, A.P. A modified procedure for measuring the maximum specific gravity of bituminous paving mixtures 9—57188
Ishai, I. *see* Craus, J. 9—100437
Ishak, W.S., Della Torre, E. The optimum design of magnetic bubble propagation circuits 9—78481
Ishakian, V.G., Hollaway, L. Application of the finite element method to the analysis of a skeletal/continuum GRP space structure 9—91733
Isham, C.J. Quantum gravity 9—93028
Isham, C.J. *see* Avis, S.J. 9—89061
Isham, C.J. *see* DeWitt, B.S. 9—63353
Isham, C.J. *see* Duff, M.J. 9—93327
Ishay, J.S., Hochberg, Y. Sound production by workers facing the queen in Vespa orientalis (Hymenoptera, Vespinae): frequency and amplitude auto and cross correlations 9—88094
Ishchenko, A.D., Pazyuk, M.Yu., Fishman, M.L. Potentiometric level indicator for electrically conducting substances 9—77312
Ishchenko, I.I., Kufaev, V.N., Levin, E.E., Masaleva, E.N. Effect of stress concentrations on the fatigue strength of high-strength steels and heat-resistant alloys at elevated temperatures 9—57115
Ishchenko, S.S., Konovalov, V.I., Okulov, S.M., Belen'kii, G.B., Salaev, E.Yu. Influence of temperature on ESR and Mn^{2+} and antiferromagnetic inclusions in layer GaSe:Mn crystal 9—99763
Ishchenko, Zh.N., Gulyaeva, L.Yu. Investigation of underwater electrical explosion of wires of spiral form 9—94809
Ishchuk, V.L., Mendel'son, V.S., Simkin, E.S., Tsypin, N.V., Shuster, L.M. A laboratory device for mixing powder materials 9—61828
Ishi, N., Iwata, A., Suzumura, N., Sugimoto, H. Classification of sleeping electroencephalogram data by autoregressive model 9—57628
Ishi, S. *see* Toya, T. 9—69368
Ishibashi, K., Katase, A., Kobayashi, M., Wake, M. Powder-filled epoxy resin composites of adjustable thermal contraction 9—61691
Ishibashi, K., Katase, A., Wake, M., Kobayashi, M. Cryogenic stability due to boundary resistance between filament and matrix 9—58748
Ishibashi, K., Katase, A., Wake, M., Kobayashi, M. Boundary resistance in SC composite wires and cryogenic stability 9—69629
Ishibashi, K. *see* Matsumoto, Y. 9—77244
Ishibashi, T., Horibe, K. Studies on the selective absorption surface on stainless steel 9—62030
Ishibashi, T. *see* Sasaki, A. 9—59814
Ishibashi, T. *see* Toriyama, K. 9—90533
Ishibashi, Y. Computational method of activation energy of thick domain walls 9—56751
Ishibashi, Y. Incommensurate phase transitions 9—65813
Ishibashi, Y., Kikugawa, T., Sawada, A. Ferroelectricity in the pressure-induced phase VI of $Ca_2Ba(C_2H_5CO_2)_6$ (DBP) 9—91393
Ishibashi, Y. *see* Hoshizaki, H. 9—91382
Ishibashi, Y. *see* Kameyama, H. 9—91383
Ishibashi, Y. *see* Midorikawa, M. 9—61394, 9—100132
Ishibashi, Y. *see* Petzelt, J. 9—73955
Ishibashi, Y. *see* Sawada, A. 9—51920
Ishibashi, Y. *see* Tomita, Y. 9—60035
Ishibe, S. *see* Hara, M. 9—82114
Ishida, A. A servo-controlled force plate 9—74775
Ishida, F., Doi, T. The effect of aging on the critical current density in superconducting Nb-Ti-Zr alloys 9—61747
Ishida, F., Matsuura, K., Doi, T. Correlation between critical current density and microstructure of superconducting Nb-Ti-Zr alloys 9—61748
Ishida, F. *see* Ikeda, T. 9—74107
Ishida, H. *see* Kennedy, J.H. 9—53279
Ishida, H. *see* Ohi, K. 9—56744
Ishida, J. *see* Horibe, M. 9—58917
Ishida, K. A stochastic approach to nonequilibrium thermodynamics of chemical reaction system 9—52749
Ishida, K. *see* Furukawa, T. 9—99823
Ishida, K. *see* Maehara, H. 9—101067
Ishida, K. *see* Sekoguchi, K. 9—94744
Ishida, M., Kanamori, H. The foreshock activity of the 1971 San Fernando earthquake, California 9—66626
Ishida, M. *see* Naito, K. 9—67302
Ishida, M.R. *see* Sato, S. 9—66457
Ishida, N. *see* Daidoji, H. 9—80702
Ishida, S., Oda, M. Bose quarks and non-leptonic weak interactions of charmed mesons 9—85278
Ishida, S., Oda, M. Di-nucleon exotics in a joined spring model and statistics of quarks 9—89120
Ishida, S., Otsuka, E. Galvanomagnetic properties of n-type InSb at low temperatures. III. Transport in the band tailing and hopping between donors in the magnetic freeze-out regime 9—60849
Ishida, S., Watanabe, M. Radiative decays of baryon resonances in a relativistic harmonic oscillator quark model 9—85277
Ishida, S. *see* Kaneko, K. 9—65230, 9—65234
Ishida, T., Inoue, M., Tomita, K.-I. Structural studies of the interaction between indole derivatives and biologically important aromatic compounds. III. The crystal and molecular structure of tryptamine:1-thyminylacetic acid (1:1) complex 9—73156
Ishida, T., Mazaki, H. Compositional analysis with inner-shell ionisation by radioisotopic β-rays 9—57323
Ishida, T., Mazaki, H. Superconducting transition of electrodeposited technetium 9—95539
Ishida, T. *see* Kobayashi, S. 9—84356
Ishida, Y. Research on the processing system of speech informations and its application 9—86310
Ishida, Y. *see* Idehara, T. 9—64843
Ishida, Y. *see* Katsuyama, Y. 9—90019
Ishida, Y. *see* Kojima, M. 9—101064
Ishida, Y. *see* Shimizu, H. 9—90680, 9—91856
Ishido, Y. *see* Nomura, K. 9—70458
Ishigaki, H., Kawaguchi, I., Mizuta, S. A simple estimation of the elastic-plastic deformation of contacting asperities 9—95076
Ishigami, H. *see* Kurematsu, A. 9—59884
Ishigami, I., Tsunasawa, E., Yamanaka, K. Effects of vacuum heating conditions on the brightness of surfaces of various stainless steels 9—61752
Ishigami, N. *see* Fukui, H. 9—85893
Ishigure, K. *see* Ogawa, M. 9—95646
Ishigure, N. *see* Mori, C. 9—81129
Ishiguro, E. *see* Masuko, H. 9—64016
Ishiguro, H. *see* Yamada, M. 9—98372
Ishiguro, M. On the non-negativity constraint in iterative reconstruction of astronomical images 9—101081
Ishiguro, M., Torii, C., Shibasaki, K., Enome, S., Tanaka, H. A project to improve the sensitivity and the phase stability of the λ 8-cm radioheliograph at Toyokawa 9—101066

Ishiguro, M. *see* Inoue, N. 9—51206, 9—77692
Ishiguro, M. *see* Shibasaki, K. 9—101074, 9—101134
Ishiguro, R., Sugiyama, K., Kumada, T. Heat transfer around a circular cylinder in liquid-sodium crossflow 9—86429
Ishiguro, R. *see* Kumada, T. 9—54493
Ishiguro, Y., dos Santos, A. Some benchmark solutions of multimedia problems in one-group transport theory 9—85581
Ishiguro, Y. *see* Devaux, C. 9—75096
Ishihara, F. *see* Koyamada, Y. 9—76934
Ishihara, H. *see* Sawaragi, Y. 9—57535
Ishihara, J., Nagai, M. Research of chipping-behaviour on blanking punch made of tool steel 9—100250
Ishihara, J., Nagai, M. A method of testing the chipping resistance of tool steels for blanking punches 9—100308
Ishihara, K., Ogawa, K. Liquefaction susceptibility map of downtown Tokyo 9—88309
Ishihara, K. *see* Katsuyama, Y. 9—81522, 9—90019
Ishihara, K. *see* Machida, S. 9—81535
Ishihara, K. *see* Mochizuki, S. 9—59821, 9—59829
Ishihara, K. *see* Sakata, Y. 9—83581
Ishihara, M., Shimoda, T., Frohlich, H., Kamitsubo, H., Nagatani, K., Udagawa, T., Tamura, T. Prevalence of direct-reaction mechanism in a deeply inelastic reaction, $^{197}Au(^{19}F,^{12}B)$ 9—80951
Ishihara, M. *see* Frohlich, H. 9—67767
Ishihara, N., Araoka, O., Doi, Y., Kohriki, T., Tsuchiya, K., Ujiie, N., Yoshimura, Y., Sashikata, J., Takada, J., Tashiro, T., Takahashi, K. Temperature and pressure control of the KEK 1-m hydrogen bubble chamber 9—85860
Ishihara, S. *see* Huang, A. 9—76886
Ishihara, S. *see* Kasuga, M. 9—51696
Ishihara, T. Significance of chromosome observation in estimate of radiation effects 9—83845
Ishihara, T. *see* Felsen, L.B. 9—50477, 9—64146
Ishihara, T. *see* Matsushima, S. 9—61800
Ishii, A. *see* Kaneko, T. 9—81397
Ishii, C., Yamada, H. Thermodynamical properties of dilute binary mixture of nematic liquid crystals 9—94882
Ishii, D. *see* Goto, M. 9—79324
Ishii, D. *see* Hirose, A. 9—52832, 9—53009, 9—57336
Ishii, H. *see* Alloul, H. 9—51747
Ishii, H. *see* Yokobori, T. 9—100203
Ishii, I., Noguchi, T. Dielectric breakdown of supercritical helium 9—65796
Ishii, K., Naoe, M., Yamanaka, S., Okano, S., Suzuki, M. Electrical properties of oxygenated amorphous Si prepared by ion-beam sputtering 9—87097
Ishii, K. *see* Takai, Y. 9—99647
Ishii, K. *see* Takeuchi, H. 9—77964
Ishii, K. *see* Yatsu, K. 9—94806
Ishii, M. How to observe crystal defects 9—82130
Ishii, M., Chen, W.L. Evaluation of incoherency effect on cladding motion in R-series test 9—49749
Ishii, M., Scheringer, C. On the contributions of the internal modes of molecules to the Debye-Waller factors. III. Urea 9—73264
Ishii, M. *see* Chen, W.L. 9—49660, 9—89396
Ishii, M. *see* Namizaki, H. 9—86186
Ishii, M. *see* Oomura, E. 9—64224
Ishii, M. *see* Susaki, W. 9—86188
Ishii, M. *see* Yamanouchi, K. 9—98573
Ishii, N. *see* Shimizu, T. 9—65374
Ishii, S. *see* Hara, M. 9—98985
Ishii, T., Naya, S., Tanaka, S. Orientational phase transition in a two-dimensional molecular crystal with random pairwise interactions 9—60478
Ishii, T. *see* Chiba, M. 9—93898
Ishii, T. *see* Maruyama, K. 9—63484
Ishii, Y. *see* Yokota, O. 9—91857
Ishikawa, H. Properties of the set of nonreflecting points 9—49120
Ishikawa, H. A thermoelastoplastic solution for a circular solid cylinder subjected to heating and cooling 9—72816
Ishikawa, H. Indefinite Finsler type metrics and their peculiar properties 9—97265
Ishikawa, H., Fujiwara, T., Fujiwara, K., Morimoto, M., Takusagawa, M. Accelerated aging test of $Ga_{1-x}Al_xAs$ DH lasers 9—76688
Ishikawa, H., Numa, H., Nagura, M. Deformation in hard elastic polypropylene fibre 9—96097
Ishikawa, H. *see* Hikita, H. 9—95190
Ishikawa, H. *see* Takiue, M. 9—89520
Ishikawa, H. *see* Tanimoto, T. 9—61704
Ishikawa, K. Spectral-function sum rules in a relativistic quark model 9—63428
Ishikawa, K. Gluonic-bound-state model and X (2.8) 9—93364
Ishikawa, K., Kawano, H. Comparison of various types of Auger signal intensity in differential and energy distribution mode spectra 9—78799
Ishikawa, K. *see* Goto, K. 9—91542
Ishikawa, K. *see* Kishida, K. 9—59931
Ishikawa, K. *see* Okuyama, F. 9—66384
Ishikawa, K. *see* Suzuki, H. 9—53047
Ishikawa, M., Fischer, O., Muller, J. Long range magnetic order in the superconducting state of heavy rare earth molybdenum sulfides and their pseudoternary compounds 9—65653
Ishikawa, M., Saito, S., Tobioka, T. Present status and future plan of in-reactor experiments on fuel behavior under accidental conditions of light water reactor 9—63760
Ishikawa, M. *see* Liengme, O. 9—56405
Ishikawa, M. *see* Majkrzak, C.F. 9—99685
Ishikawa, M. *see* Shimizu, T. 9—78101
Ishikawa, M. *see* Thomlinson, W. 9—78320
Ishikawa, R. Photo-enhanced diffusion of Ag in amorphous Ge_2S_3 films 9—65257
Ishikawa, R. *see* Kobayashi, K. 9—55211
Ishikawa, T., Takagi, T., Kawamoto, Y., Tsuchihashi, S. Corrosion of Na_2O-CaO-SiO_2 glass by alkaline solutions 9—96174
Ishikawa, T. *see* Okamoto, S. 9—87265
Ishikawa, T. *see* Wada, K. 9—87266
Ishikawa, Y., Onodera, S., Tajima, K. Magnetic excitations in Invar alloys, $Fe_{65}Ni_{35}$ and Fe_3Pt 9—56521
Ishikawa, Y. *see* Hayano, R.S. 9—56671
Ishikawa, Y. *see* Ikeda, S. 9—85142
Ishikawa, Y. *see* Takel, K. 9—87238
Ishimaru, A. Pulse propagation, scattering, and diffusion in scatterers and turbulence 9—66775
Ishimaru, A. *see* Sreenivasiah, I. 9—76589
Ishimaru, H. N-JJ coaxial, bakeable and cryogenic vacuum feedthrough with an isolated shield useful from DC to 6.5 GHz 9—67324
Ishimaru, H. Ultra-high vacuum and cryogenic feedthrough with 48 pins 9—97399
Ishimaru, H., Horikoshi, G., Minoda, K. Bakeable aluminium vacuum chamber and bellows with an aluminium flange and metal seal for ultra-high vacuum 9—68056
Ishimaru, H., Igarashi, Z. New type of stepping motor control for fast beam scraper 9—71562
Ishimaru, H., Igarashi, Z., Nishimura, H., Shibata, S. Beam size measurement of 12 GeV accelerator by fast rotary scraper 9—72078
Ishimaru, H., Kondoh, M., Shibata, S. Improvement of a beam position monitor for ΔR feedback on RF system 9—72079
Ishimaru, H. *see* Nakagawa, H. 9—72080
Ishimaru, T. *see* Ichimaru, M. 9—57722
Ishimatsu, K. *see* Tanaka, E. 9—66522
Ishimatsu, T. *see* Ohshima, M. 9—59009
Ishimi, K. *see* Hikita, H. 9—94698
Ishimoto, S. *see* Hiramatsu, S. 9—63238
Ishino, S. Radiation damage of materials for fast breeder and fusion reactor 9—81011
Ishio, H. *see* Nosu, K. 9—76821
Ishioka, S. *see* Suezawa, M. 9—61558
Ishitani, T., Tamura, H., Kanomata, I. Construction of sputter ion sources and application to IMA analysis 9—54734
Ishiwara, H., Hikosaka, K., Furukawa, S. Channeling and backscattering studies of the crystalline perfection and the thermal stability of epitaxial PtSi films on Si 9—99255
Ishiwara, H. *see* Nagatomo, M. 9—60653
Ishiwata, T., Akimoto, H., Tanaka, I. Excitation of HNO by $O_2(^1\Delta_g)$ 9—52674
Ishizaka, A., Iwata, S., Kamigaki, Y. Si-SiO_2 interface characterization by ESCA 9—82678
Ishizaka, A. *see* Iwata, S. 9—61488, 9—61761
Ishizaka, K., Kabasawa, Y., Isshiki, N. Digital simulation of vibratory behavior of the vocal cords in tension and mass imbalance 9—83803
Ishizaki, O. *see* Yoshikawa, A. 9—82667
Ishizawa, N. *see* Miyata, T. 9—60222
Ishizuka, A. *see* Ohba, T. 9—81100
Ishizuka, H. *see* Kamada, K. 9—76576
Ishizuka, H. *see* Osada, M. 9—70291
Ishizuka, K. *see* Bando, Y. 9—90561
Ishizuka, T. *see* Ono, M. 9—76029
Isieu, M. An inexpensive scanning electron microscope for research, quality-control and education 9—89044
Isihara, A., Chung-In Um Microscopic theory of two-dimensional liquid helium 9—86959
Isihara, A., Kojima, D.Y. Study of two-dimensional electrons in a magnetic field. II. Intermediate field 9—60743
Isihara, A., Toyoda, T. Study of two-dimensional electron gas in a magnetic field. I. Weak field 9—60742
Isihara, A. *see* Alcaraz, F.C. 9—60681
Isihara, A. *see* Kojima, D.Y. 9—95571
Isino, M. *see* Fukase, T. 9—56381
Iskakova, Z.D. Triplets made up of two-electrode astigmatic tubular lenses with small spherical aberration in one direction 9—50203
Iskandar, D. *see* Deshpande, N.G. 9—93407
Iskandaryan, A.G. *see* Avakyan, R.O. 9—59051
Iskander, M.F., Durney, C.H., Massoudi, H., Johnson, C.C. Approximate calculation of SAR for planewave irradiation of man model near a ground plane 9—100660
Iskander, M.F. *see* Durney, C.H. 9—100658
Iskanderova, Z.A. *see* Radzhabov, T.D. 9—69146
Iskender-zade, Z.A., Dzhafarova, E.A., Akhundov, M.R., Abdullaev, A.H. The electronic processes in thin P-N and MOS-structures 9—56312
Iskenderzade, Z.A. *see* Abdullaev, G.B. 9—73580
Iskhakov, R.S. *see* Chekanova, L.A. 9—73104
Iskii, H. *see* Ueyama, N. 9—91665
Iskornev, I.M., Flerov, I.N. Thermal expansion of ferroelectric crystals belonging to the ammonium hydrogen sulfate family 9—65224
Islam, B. *see* Beg, M.N. 9—57294
Islam, J.N. On rotating charged dust in general relativity. II 9—71320
Islam, J.N. The ultimate fate of the universe 9—75303
Islam, J.N. Recently found solution of Einstein's equations 9—93014
Islam, M.M. *see* Ahmad, S. 9—80962
Islam, M.M. *see* Kalam, M.A. 9—52835
Islam, M.S., Richards, D.J., Scurlock, R.G. Improved natural convection heat transfer in cryogenic vapour columns 9—59986
Islam, N., Kumar, S., Singh, K.P. Densities and viscosities of non-ideal glass-forming zinc nitrate hexahydrate-copper nitrate trihydrate melts 9—77794
Islam, N., Maroof, A., Kochi, I. Densities and kinematic viscosities of tetra-n-butylammonium iodide-nickel(II) chloride melts 9—77793
Islam, S., Mang, H.J., Ring, P. An approximate projection technique for the calculation of electromagnetic properties of deformed nuclei 9—93510
Islamov, A.N. *see* Baiburina, S.G. 9—80156, 9—80170
Islamov, T.A. *see* Adam, J. 9—93556
Islander, S.T. *see* Ahola, H. 9—63212
Islander, S.T. *see* Nadirashvili, Z.Sh. 9—99381
Isler, R.C., Crume, E.C., Howe, H.C. Impurity behaviour during neutral-beam injection and gas puffing into ORMAK 9—64878
Isler, W.E., Chung, D.Y. Anomalous propagation of sound waves in ferromagnetic fluids 9—55830
Isles, J. Novalike object in Vulpecula 9—88673
Ismaelli, A. *see* Bruscaglioni, P. 9—100952
Ismagilov, M.M. *see* Zabil'skii, V.V. 9—66085
Ismagilov, R.Kh. *see* Gonopol'skii, A.M. 9—64881
Ismail, E.H. *see* Hassan, M.Y.M. 9—85467
Ismail, H.A. *see* Leila, H.A. 9—68122
Ismail, J.A., Garamoon, A.A. Electron swarm characteristics in an argon discharge 9—77441
Ismail, M., Sharaf, M.A. Angular momentum matching in heavy ion reactions 9—85486
Ismail, M.I. Effect of heat treatment and straining rate on fracture and corrosion of Zn-22 Al superplastic alloy 9—87672
Ismail, M.I. Periodic reverse current electroplating and surface finishing 9—96201
Ismailov, I.M. *see* Abosov, S.A. 9—52396
Ismailov, I.M. *see* Tagirov, V.I. 9—69840
Ismailov, Kh.A. *see* Aliev, T.M. 9—80566
Ismailov, R.M. *see* Ismailzade, I.H. 9—82932
Ismailov, Sh.M. *see* Amirkhanov, Kh.I. 9—82396
Ismailov, V.S. *see* Ekel'chik, V.S. 9—61642
Ismailzade, I.H., Ismailov, R.M., Alekberov, A.I., Aliyev, I.M., Rzyaev, D.A. Ferroelectricity in Bi_2MoO_6 9—82932
Ismailzade, I.H., Kudzin, A.Yu., Sadovskaya, L.Ya. X-ray diffractional and optical investigations of ferroelectric $SrTeO_3$ 9—65805
Ismanzhanov, A., Al'tman, Ts.M., Dubrovskii, L.A., Zakhidov, R.A. Investigation of the resistance of aluminum mirrors on metal substrates to the action of heat and radiation 9—94319
Ismar, H. *see* Mahrenholtz, O. 9—86359
Ismatov, A.A., Azimov, Sh.Yu., Yunosov, M.Yu. ESR spectra of cadmium iron silicate glasses 9—65711
Isobe, S. H-beta observation of the Barnard Loop 9—80346
Isoda, M. Longitudinal ultrasonic attenuation in anisotropic itinerant electron ferromagnets 9—56588
Isoda, Y. *see* Kariya, K. 9—93891
Isolde Collaboration The *see* The Isolde Collaboration
Isomaki, H., von Boehm, J., Krusius, P. Band structure of group IVA transition-metal dichalcogenides 9—95322
Isomaki, H. *see* Krusius, P. 9—69385, 9—94950
Isono, H. Contrast sensitivity difference between spatial sine-wave and square-wave gratings of the human visual system 9—57662
Isono, H. A re-examination of contrast threshold difference between spatial sine-wave and square-wave gratings 9—74679
Isono, Y., Kajiura, H., Nagasawa, M. Estimation of the first normal stress difference from shear stress data in polymer rheology 9—64506
Isoya, J., Weil, J.A. Uncompensated titanium(3+) center in α-quartz 9—65731
Isozumi, S., Komatsu, Y., Kotani, T. $Ga_{1-x}Al_xAs$ LPE growth: composition control and growth rate analysis 9—95946
Isozumi, S. *see* Ueda, O. 9—60369
Isozumi, Y. *see* Ljubicic, A. 9—63633
Ispasoiu, G. *see* Popovici, C. 9—86638
Israel, F.P., Koornneef, J. ANS ultraviolet observations of external galaxies. I. Exciting stars of H II regions in the Large Magellanic Cloud 9—71017
Israel, G.W. *see* Overcamp, T.J. 9—83655

Israel, M., Nur, A. A complete solution of a one-dimensional propagating fault with nonuniform stress and strength 9—84149
Israel, R.B., Nappi, C.R. Exponential clustering for long-range integer-spin systems 9—80744
Israel, S.J., Thomas, E.L., Gerberich, W.W. Correlations of the craxe profile in PMMA with Dugdale's plastic zone profile 9—100272
Israel, W. Transient relativistic thermodynamics and kinetic theory 9—63177
Israelson, G.A., Winckler, J.R. Effect of a neutral N_2 cloud on the electrical charging of an electron beam-emitting rocket in the ionosphere: Echo IV 9—75017
Israilevich, P.L. *see* Dubinin, E.M. 9—101119
Issartier, P., Siouffi, M., Pelissier, R. Simulation of blood flow by a hydrodynamic generator 9—79706
Isselstein, F. *see* Schult, W. 9—66252
Isserstedt, J., Wolf, B. Investigation of characteristic curves in the ESO-(B)-survey 9—70966
Isshiki, M. Corrector lens for color television tube 9—86243
Isshiki, N. *see* Ishizaka, K. 9—83803
Isshiki, N. *see* Kashiwagi, T. 9—98778
Isshiki, S. *see* Urao, R. 9—87718
Issi, J.-P. *see* Heremans, J. 9—69646
Issinsky, I.B. *see* Baldin, A.M. 9—72125
Istekov, K.K., Kupriyanov, V.M., Fursov, B.I., Smirenkin, G.N. On applicability of the conventional systematics of the fission probability 9—54464
Istekov, K.K. *see* Ignatyuk, A.V. 9—49586
Istomin, V.G., Grechnev, K.V., Kochnev, V.A. Mass-spectrometric measurements of the composition of Venus' lower atmosphere 9—66947
Istomina, E.S. *see* Bastun, V.N. 9—52303
Isupova, E.N. *see* Panova, T.I. 9—83494
Itabe, T. *see* Asai, K. 9—96829
Itagaki, S. *see* Yamamoto, T. 9—49622
Itagaki, T., Saika, A. Electron correlation in molecular many-electron systems by diagrammatic many-body perturbation theory: correlation energies and dipole polarizabilities of the hydrogen molecule 9—54775
Itagaki, T. *see* Matoba, T. 9—50890, 9—77420
Itahashi, T. *see* Miura, I. 9—54663, 9—68013
Itakura, A. *see* Yatsu, K. 9—94806
Itakura, F. *see* Kitawaki, N. 9—50533
Itakura, F. *see* Tohkura, Y. 9—50534
Itakura, M. *see* Ohira, F. 9—90853
Itami, T. *see* Hoshizaki, N. 9—93415
Itano, A. *see* Fujisaki, M. 9—49542, 9—58974, 9—63521
Itano, A. *see* Maruyama, K. 9—63484
Itasaka, Y. *see* Sato, S. 9—87497
Itatani, R. *see* Abe, H. 9—90402
Itaya, K., Malpas, R.E., Bard, A. Photoelectron emission from a metal electrode in liquid ammonia 9—60868
Itaya, Y., Suematsu, Y., Katayama, S., Kishino, K., Arai, S. Low threshold current density (100) GaInAsP/InP double-heterostructure lasers for wavelength 1.3 μm 9—94249
Itaya, Y. *see* Arai, S. 9—50314
Itaya, Y. *see* Kawanishi, H. 9—98387
Itaya, Y. *see* Rosental, A. 9—98373
Ithakissios, D. *see* Hapke, B. 9—96651
Itier, B., Perrier, A. An analytical model of local advection 9—84404
Itier, B. *see* Van Grunderbeeck, P. 9—66763
Itikawa, Y. Vibrational-rotational structure in the angular distribution and intensity of photoelectrons from diatomic molecules. III. Effects of higher partial waves of ejected electrons from H_2 9—50091
Itikawa, Y. Theory of rotational transitions in molecular collisions 9—81260
Itikawa, Y. *see* Koike, F. 9—81265
Itin, A. *see* Harrison, L.C. 9—88164
Itin, P.G. *see* Vasil'yev, A.A. 9—98713
Itkin, G.P. *see* Shumakov, V.I. 9—53079
Itkin, V.P., Mogutnov, B.M., Shaposhnikov, N.G. Calorimeter for quantitative differential thermal analysis in 100-800°C temperature range 9—52514
Itkina, M.A. Intensity of X-ray solar radiation and the value of the anomalous absorption of radio waves during periods of sudden ionospheric disturbances 9—96857
Itkina, M.A. *see* Belikovich, V.V. 9—75074
Ito, A. Perturbation theory of self-oscillating system with a periodic perturbation 9—57224
Ito, A. Successive subharmonic bifurcations and chaos in a nonlinear Mathieu equation 9—63153
Ito, A. *see* Seki, S. 9—63761
Ito, A.S. *see* Goodman, J.A. 9—62697, 9—66897, 9—75065
Ito, A.S. *see* Jostlein, H. 9—89310
Ito, A.S. *see* Macfall, J.R. 9—49549, 9—62698
Ito, C. *see* Muto, S. 9—55136
Ito, G. *see* Matsushima, S. 9—61800
Ito, H. Rheology of the crust based on long-term creep tests of rocks 9—79828
Ito, H., Ogawa, Y., Inaba, H. Integrated bistable optical device using Mach-Zehnder interferometric optical waveguide 9—59843
Ito, H. *see* Takiya, N. 9—93139
Ito, K., Abe, H., Gole, S., Klu, Y.C. Development of (111) fibre texture in α-Fe through the diffusional process without γ-α transformation 9—100170
Ito, K., Kobayashi, M., Abe, H. Damping capacity of metastable γ-phase in manganese-rich Mn-Fe alloys 9—83252
Ito, K., Ohta, K., Kondo, T., Ikeda, S., Ito, K. Glucose sensors for the implantable artificial β-cell 9—83973
Ito, K., Yonezawa, Y. An application of sound localizing effect to pattern display—selection of plane and pattern display 9—53284
Ito, K. *see* Glass-Maujean, M. 9—86018
Ito, K. *see* Hayakawa, S. 9—80350
Ito, K. *see* Ito, K. 9—83973
Ito, K. *see* Watanabe, Y. 9—99758
Ito, M., Kimura, T. Longitudinal mode competition in a pulse modulated AlGaAs DH semiconductor laser 9—81427
Ito, M., Kohra, K. X-ray observation during polarization reversal of ferroelectric $NaNO_2$ 9—51921
Ito, M., Mori, Y., Kato, T., Suetaka, W. Infrared reflection study of hydrocarbon chemisorption on evporated nickel and palladium films 9—69343
Ito, M., Sakurai, T., Goto, K. A simple method to remove magnetite fine particles from sample surfaces in magnetic domain observation 9—61181
Ito, M. *see* Nagino, Y. 9—54470
Ito, M. *see* Suzuka, I. 9—76433
Ito, M. *see* Yoshikawa, M. 9—77926
Ito, R. *see* Doi, A. 9—59710
Ito, R. *see* Kajimura, T. 9—50313
Ito, S., Kokubo, T., Tashiro, M. Formation of stable γ-$6Bi_2O_3.SiO_2$ crystal from its supercooled melt and metastable crystal induced by their surface-contamination 9—91635
Ito, S., Yoneda, N., Shimada, S., Tsunashima, A., Kodaira, K., Matsushita, T. Vapor growth of Zn_2GeO_4 single crystals 9—87571
Ito, S. *see* Imachi, M. 9—58928
Ito, T. Nitrogen laser pumped dye lasers and frequency doubling of the output 9—68406
Ito, T., Higashi, I., Sakurai, T. Deformation of the valence electron distributions in the icosahedral boron structure of α-AlB_{12} 9—65042
Ito, T., Yagihashi, T. The magnetic properties of arsenic-selenium glasses 9—82748
Ito, T. *see* Kimoto, H. 9—68468
Ito, T. *see* Okano, Y. 9—68415
Ito, T. *see* Shimada, S. 9—94331
Ito, T. *see* Toya, T. 9—69368
Ito, T. *see* Watanabe, Y. 9—99758
Ito, T. *see* Yoneda, T. 9—67254
Ito, Y., Akimitsu, J., Matsui, M., Chikazumi, S. Magnetic form factor of $Fe_{0.66}Fe_{0.34}$ Invar alloy 9—56504
Ito, Y. *see* Fujii, H. 9—65650
Ito, Y. *see* Nishi, M. 9—73688
Ito, Y. *see* Oba, R. 9—90298, 9—98768
Itoh, A. *see* Kimura, K. 9—74043
Itoh, C., Minamikawa, T., Miura, K., Watanabe, T. Electromagnetic mass differences of lowest lying hadrons and behavior of quarks in hadrons 9—58941
Itoh, F., Honda, T., Suzuki, K. Experimental and Monte Carlo studies of multiple scattering correction in the Compton profile of aluminum 9—61456
Itoh, F., Honda, T., Suzuki, K. γ-ray Compton profiles of lithium and sodium in the liquid and solid state 9—87520
Itoh, F. *see* Honda, T. 9—91519
Itoh, H. A new ferromagnetic spinel system $Ni(Rh_{1-x}Cr_x)_2S_4$ ($0.15 \leq x \leq 0.40$) with metallic conduction 9—56513
Itoh, H. Two-fluid blast-wave model for supernova remnants 9—80345
Itoh, H., Kunz, A.B. Molecular orbital study of interactions of single transition metal atoms with PF_3 and CO ligands 9—85896
Itoh, H. *see* Matsuki, S. 9—67777
Itoh, H. *see* Nakasa, K. 9—79064
Itoh, H. *see* Takahashi, T. 9—65338, 9—87586
Itoh, H. *see* Tsukada, E. 9—97455
Itoh, I. *see* Ogawa, H. 9—74292
Itoh, K., Shibuya, N., Tamura, K., Senuma, N., Yuta, S., Yokoi, H., Hirafuku, S., Yoshikawa, Y. A new real-time ultrasonic diagnostic system for dynamic and still images [medical electronics] 9—92309
Itoh, K. *see* Kitawaki, N. 9—50533
Itoh, K. *see* Sugino, T. 9—50310, 9—98357
Itoh, M., Kudo, M., Mushiake, Y. Mode-filtering characteristics of a metal-clad optical strip waveguide lined with a buffer layer 9—81559
Itoh, M., Takita, N. Fluorescence quenching of intramolecular exciplex by pyridine and formation of triple exciplex 9—50061
Itoh, N., Ichimaru, S. Addendum to 'Lattice model for the screening potential of the classical one-component plasma' 9—82043
Itoh, N. *see* Flowers, E. 9—67236
Itoh, N. *see* Nagano, S. 9—78028
Itoh, N. *see* Nakayama, T. 9—82643
Itoh, N. *see* Soda, K. 9—99936
Itoh, N. *see* Tashiro, T. 9—61442
Itoh, S. *see* Nakamura, T. 9—51039
Itoh, S. *see* Takajo, S. 9—59615
Itoh, S. *see* Toi, K. 9—86565
Itoh, T. *see* Koizumi, H. 9—57458
Itoh, T. *see* Ohba, K. 9—50779, 9—50780, 9—50781
Itoh, T. *see* Ohgo, K. 9—61801
Itoh, T. *see* Sugiyama, T. 9—73201
Itoh, T. *see* Tamaki, N. 9—57733
Itoh, T. *see* Terajima, H. 9—57773
Itoh, T. *see* Ueta, M. 9—95765
Itoh, T. *see* Yamamoto, Y. 9—65103
Itoh, Y., Adachi, S., Hamaguchi, C. Analysis of resonant Brillouin scattering in GaAs 9—78695
Itoh, Y., Fujii-e, Y. Dynamic stabilization of imploding liquid metal liner 9—89494
Itoh, Y., Kobayashi, N., Kaneko, Y. Vibrational excitation of NO by Li^+ impact from 100 eV to 1200 eV 9—54946
Itoh, Y. *see* Adachi, S. 9—51971, 9—65887
Itoh, Y. *see* Fujitani, Y. 9—52985
Itoh, Y. *see* Nozaki, T. 9—85468
Itoh, Y. *see* Ohshima, M. 9—59009
Itoyama, K. Properties of Sn-doped indium oxide coatings deposited on polyester film by high rate reactive sputtering 9—99959
Itskervich, E.S. *see* Vol'skii, E.P. 9—77988
Itskevich, E.S. *see* Vinokurova, L.I. 9—77987, 9—90947
Itskovich, E.M. *see* Vorotyntsev, M.A. 9—64052
Itskovskii, M.A., Shchedrina, L.V., Kladkevich, M.D. Pyroelectric effect in phase transition region of thin ferroelectric crystals 9—87401
Itskovskii, M.A., Strokach, A.A. Screening of spontaneous polarization in polydomain ferroelectrics 9—91395
Itzhak, D. *see* Baram, J.C. 9—83413
Itzykson, C. *see* Brezin, E. 9—49385
Iucci, N., Parisi, M., Storini, M., Villoresi, G. Forbush decreases: origin and development in the interplanetary space 9—75059
Iudice, N.Lo *see* Lo Iudice, N.
Iulian, O. *see* Landauer, O. 9—74284
Iumeau, D. IR, UV and visible absorption of X-irradiated single crystals of sodium nitrite 9—95811
Iura, T., Sasaki, S., Haryu, H., Shibata, S. Properties of reactively evaporated gallium oxide thin films 9—99648
Ivachenko, A.I., Fidel'man, G.N. Lateral propagation of a glow discharge 9—82111
Ivakhnenko, S.A., Ponyatovskii, E.G. Phase transformations in lead-antimony alloys under high pressures 9—66051
Ivakhnenko, S.A., Ponyatovskii, E.G. Polymorphism of antimony at high pressure 9—82328
Ivakhnenko, S.A. *see* Beznosov, A.B. 9—73434
Ivakhnik, V.P. *see* Rabinovich, G.D. 9—89502
Ivakin, E.V., Lazaruk, A.M., Petrovich, I.P., Rubanov, A.S. Amplifying dynamic holograms 9—94191
Ivakin, E.V., Lazaruk, A.M., Rubanov, A.S., Stepanov, B.I., Yariv, A. Comments on 'Phase conjugate optics and real-time holography' [and reply] 9—81476
Ivakin, V.M. *see* Bushuev, F.I. 9—84677
Ivakin, V.P. *see* Kutateladze, S.S. 9—98721
Ivanauskas, P.I. *see* Vishnyauskas, V.V. 9—95983
Ivanchenko, E.A. On effect of intensification of pion beams by highly excited nuclear matter 9—49595
Ivanchenko, I.M. *see* Birulev, V.K. 9—67547
Ivanchenko, I.M. *see* Zhurkin, V.V. 9—89313
Ivanchenko, L.A. *see* Zhurakovskii, E.A. 9—94954
Ivanchenko, V.A. *see* Gerasimenko, N.N. 9—77931
Ivanchenko, V.G. *see* Khodosov, E.F. 9—61248
Ivanchenko, V.G. *see* Yartsev, K.K. 9—78996
Ivanchenko, Yu.M., Kozinskaya, A.I., Lisyanskii, A.A. Renormalization of the g factor of a magnetic impurity in a metal 9—69652
Ivanchenko, Yu.M., Kozinskaya, A.I., Medvedev, Yu.V. Mixed state of finite superconductors 9—99662
Ivanchev, N.P. *see* Kostov, M.K. 9—82942
Ivanchinov-Marinskii, N.N. *see* Baulin, N.N. 9—77301
Ivancic, W. *see* Reddy, S.P. 9—71542
Ivandaev, A.I., Gubaidullin, A.A. Nonstationary discharge of a boiling liquid in the approximation of thermodynamic equilibrium 9—81711
Ivandaev, A.I. *see* Gubaidullin, A.A. 9—68792
Ivanenko, I.N. *see* Baiburina, S.G. 9—80170
Ivanenko, I.P. *see* Antonov, R.A. 9—80161
Ivanenko, I.P. *see* Baiburina, S.G. 9—80156
Ivanenko, I.P. *see* Belyaev, A.A. 9—80861
Ivanetich, R.J., Wu-Yang Tsai, DeRaad, L.L., Milton, K.A., Urrutia, L.F. Anomalous spectral regions in source theory 9—63354
Ivanets, V.N. *see* Yupko, V.L. 9—86962
Ivaniichuk, M.T. *see* Voltsit, V.V. 9—69887
Ivanilov, A.A. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Ivanitskaja, V.O., Vyblyj, J. On the comparison of special formulations of Einstein's theory of gravity 9—58605
Ivanitskii, G.K. *see* Dolinskii, A.A. 9—68561

Ivanitskii, G.R., Kuniskii, A.S., Tsyganov, M.A. Determination of relative orientation of structures of the 'stacked-disk' type on electron-microscope images 9—70714

Ivanitskii, G.R. *see* Gariev, A.M. 9—57748

Ivankin, L.G. *see* Gubaryenko, L.A. 9—74969

Ivankov, Yu.V. *see* Batkin, I.S. 9—75867

Ivanov, A.A., Nekhamkina, O.A., Strelets, M.Kh. Diffusional separation of elements in the nonisothermal flow along circular tubes of multicomponent gas mixtures in chemical equilibrium 9—55429

Ivanov, A.A. *see* Azarova, O.N. 9—98923

Ivanov, A.A. *see* Baturov, B.B. 9—76089

Ivanov, A.A. *see* Demidov, A.V. 9—81293

Ivanov, A.A. *see* D'yakonov, M.N. 9—80151

Ivanov, A.A. *see* Glasunova, V.I. 9—89024

Ivanov, A.A. *see* Gorshenina, I.V. 9—67403

Ivanov, A.A. *see* Krasil'nikov, D.D. 9—80115

Ivanov, A.B. *see* Zanevskii, Yu.V. 9—67449

Ivanov, A.E. *see* Koshmarov, Yu.A. 9—80620

Ivanov, A.G. *see* Surovova, V.N. 9—96128

Ivanov, A.N. *see* Yalamov, Yu.I. 9—57298

Ivanov, A.O. *see* Kaminskii, A.A. 9—50303

Ivanov, A.P., Chaikovskii, A.P., Kumeisha, A.A., Shcherbakov, V.N. Interferometric study of the spatial structure of a light-scattering medium 9—54178

Ivanov, A.P. *see* Alekhin, L.A. 9—97898

Ivanov, A.S., Petrov, V.V., Antonov, V.F. Study of the coupled transport of K^+, Cl^-, H^+ and OH^- ions in a liposome suspension 9—53069

Ivanov, A.S., Tomsinskii, V.S., Patrushev, E.P. Fracture toughness of alloy VT3-1 in relation to structure 9—79105

Ivanov, A.S. *see* Petrov, V.V. 9—70530

Ivanov, A.V., Derzhavin, S.N. Study of the relationship between strength and microhardness of optical glasses 9—72641

Ivanov, A.V. *see* Burnasheva, V.V. 9—100434

Ivanov, A.V. *see* Butusov, M.M. 9—91546

Ivanov, A.V. *see* Shamko, V.V. 9—77323

Ivanov, A.V. *see* Vil'ner, D.E. 9—72728

Ivanov, B.A., Kosevich, A.M., Babich, I.M. Localized nonlinear oscillations in ferromagnets 9—78437

Ivanov, B.A. *see* Abyzov, A.S. 9—78438

Ivanov, B.A. *see* Bar'yakhtar, I.V. 9—91251

Ivanov, B.A. *see* Dzyaloshinskii, I.E. 9—69661

Ivanov, B.A. *see* Gurevich, V.A. 9—73770

Ivanov, B.A. *see* Kosevich, A.M. 9—61093

Ivanov, B.D. *see* Kachurin, L.G. 9—88405

Ivanov, B.M., Sheberstov, V.I. Conditions of formation of catalytic development nuclei arising from the photo- and topochemical addition of silver halide 9—70378

Ivanov, B.M. *see* Shapka, V.Kh. 9—58832

Ivanov, B.N., Bukreev, Yu.F., Alabichev, A.I., Zolotavin, V.L. Use of a thermostabilizer in atomic-absorption spectroscopy with nonflame sample atomization 9—96388

Ivanov, C.N. *see* Altarev, I.S. 9—75775

Ivanov, D.P., Keilin, V.E., Stavisskii, B.A., Chernoplekov, N.A. Superconductive toroidal solenoid of Tokamak-7 9—89498

Ivanov, D.P. *see* Chernoplyokov, N.A. 9—54600

Ivanov, E.A., Sorin, A.S. The Wess-Zumino model as linear σ model of spontaneously broken conformal and OSp (1,4)-supersymmetries 9—93315

Ivanov, E.A. *see* Ionescu-Bujor, M. 9—99799

Ivanov, E.A. *see* Tustanovskii, V.T. 9—87898

Ivanov, E.S. *see* Azhogin, F.F. 9—57174

Ivanov, G.A. *see* Grigor'yants, V.V. 9—59836

Ivanov, G.V. Equations of elastoplastic deformation for arbitrary values of the rotations and deformations 9—86348

Ivanov, G.V. *see* Grigo'yan, G.M. 9—64216

Ivanov, I.G., Ryabinina, E.Z., Nagi, M.R. Singularities of plastic deformation of copper under periodic loading conditions 9—91766

Ivanov, I.K. *see* Leonov, A.I. 9—51269

Ivanov, I.N. *see* Surkov, Yu.A. 9—62767

Ivanov, K.G., Lopatkin, V.M. Effect of hydrostatic pressure on the band structure of bismuth and its alloys with tin 9—69406

Ivanov, K.G., Mikerina, N.V. Magnetic extra-storm of August 4-5, 1972, in relation to the hydromagnetic structure of an interplanetary plasma flow from a strong flare 9—53653

Ivanov, L.I., Litvinova, N.A., Yanushkevich, V.A. Relationships in the formation of shock waves during the action of laser radiation on absorbing solids 9—55825

Ivanov, L.I. *see* Abramyan, E.A. 9—91864

Ivanov, M.A., Mitrofanov, V.Ya., Fishman, A.Ya. Thermodynamics of interacting orbitally degenerate impurities 9—69477

Ivanov, M.A., Pogorelov, Yu.G. Electron spectrum of a crystal with long range impurity states 9—56167

Ivanov, M.F. Propagation of optical breakdown waves in gases 9—90411

Ivanov, M.F. *see* Zakharov, V.E. 9—89068

Ivanov, M.I., Kazakov, V.M., Kozlov, O.V., Korolev, V.D., Smirnov, V.P., Talzi, V.P., Sholin, G.V. Parameters of relativistic high-current electron beams by measuring the Bremsstrahlung yield 9—93861

Ivanov, M.I., Nikolov, A.V., Vaklev, J.S. Field equation for baryons with an arbitrary spin 9—63389

Ivanov, N.I. *see* Dmitrenko, I.M. 9—71526

Ivanov, N.M., Kruglov, B.A., Trofimova, G.N., Kochetkov, M.I. Ultrasonic inspection of continuity for strips of silver solder 9—52605

Ivanov, N.N. *see* Shcherbakova, T.V. 9—84539

Ivanov, N.R., Kirpichnikova, L.F., Konstantinova, V.P., Soboleva, L.V., Shuvalov, L.A. $K_2Ba(NO_2)_4$—a new ferroelastic. Phase transitions and some physical properties 9—55887

Ivanov, N.R. *see* Galitskii, V.Yu. 9—99821

Ivanov, N.S. *see* Smagin, V.A. 9—82840

Ivanov, N.V. *see* Artemenkov, L.I. 9—55546

Ivanov, O.A. *see* Zvereva, V.I. 9—51812

Ivanov, O.I., Krainov, E.V., Sviridov, A.F. Determination of ^{249}Bk in samples of transuranium elements by activation analysis 9—100473

Ivanov, O.P., Filonenko, A.N., Zmieva, T.F. Heat exchange investigation in gas dynamical canal of coaxial plasmatron at high pressures 9—68962

Ivanov, O.P. *see* Volodin, V.I. 9—59971

Ivanov, O.S. *see* Terekhov, G.I. 9—73496

Ivanov, P.A. *see* Krutogolov, V.D. 9—68829

Ivanov, P.A. *see* Sundukov, A.N. 9—79573

Ivanov, P.P. *see* Zakharnev, A.P. 9—50399

Ivanov, P.T., Ivanov, T.F. Distribution of gas pressure and density in risers of gas and gas-condensate wells 9—68811

Ivanov, R.N. *see* Anufriev, V.A. 9—97709

Ivanov, R.P. *see* Rashev, Ts.V. 9—86889

Ivanov, R.S. *see* Stotskii, G.I. 9—86173

Ivanov, S.A., Chornei, S.A., Mikhal'chenko, V.P., Venevtsev, Yu.N. X-ray diffractometric study in anisotropy of some lattice dynamics parameters for $LiNbO_3$ and $LiTaO_3$ 9—65156

Ivanov, S.A., Korneev, A.E., Kolontsova, E.V., Venevtsev, Yu.N. Temperature dependence of intensity of diffuse X-ray scattering in single crystals of $LiTaO_3$ 9—61318

Ivanov, S.A., Mal'chuzhenko, K.V. Determination of the disorientation of small regions in distorted crystals by diffraction in a divergent beam of X-rays 9—55607

Ivanov, S.A. *see* Betekhtin, V.I. 9—99405

Ivanov, S.A. *see* Smirnov, B.I. 9—100228

Ivanov, S.K. *see* Sharagina, Z.I. 9—93088

Ivanov, S.N. *see* Altarev, I.S. 9—67551

Ivanov, S.S. *see* Azhogin, F.F. 9—57174

Ivanov, S.T., Makarenko, G.I., Reshetnikova, K.A. Nonlinear interaction between a relativistic electron beam and a dielectric channel 9—59622

Ivanov, Ts., Engel'brekht, Yu.K. Thermoelasticity models taking account of a finite heat propagation rate 9—94541

Ivanov, T.F. *see* Ivanov, P.T. 9—68811

Ivanov, U.I., Minayeva, V.A., Ivanova, R.Z. Effect of structure of phase adjoining the interface transport phenomena in solid-filled non-Newtonian systems 9—77099

Ivanov, V.A. Major trends in metrological support to gyro instruments 9—67262

Ivanov, V.A. Analyzing errors in measuring the gyroscope drifting rate by means of the fixed-angle method 9—80609

Ivanov, V.A., Remzhin, Yu.N., Shchedrov, V.B. The basic trends in the development of nuclear power 9—97885

Ivanov, V.A. *see* Bogdanov, A.P. 9—81579

Ivanov, V.A. *see* Borokhovich, A.I. 9—52584

Ivanov, V.A. *see* Gribkovskii, V.P. 9—59704

Ivanov, V.A. *see* Murav'eva, K.K. 9—87007

Ivanov, V.E. *see* Zelenskii, V.F. 9—95049

Ivanov, V.G. *see* Rozova, T.T. 9—65325

Ivanov, V.I. *see* Abdikamalov, B.A. 9—69245

Ivanov, V.I. *see* Astvatsaturov, R.G. 9—76259

Ivanov, V.I. *see* Gladkovskii, I.P. 9—98927

Ivanov, V.I. *see* Khomutova, L.A. 9—76738

Ivanov, V.I. *see* Kim, A.G. 9—49225

Ivanov, V.I. *see* Kupriyanov, V.M. 9—97738

Ivanov, V.I. *see* Shmyt'ko, I.M. 9—61315

Ivanov, V.I. *see* Shtennikov, Yu.V. 9—53614

Ivanov, V.K. *see* Amus'ya, M.Ya. 9—89649

Ivanov, V.K. *see* Kut'enkov, V.A. 9—66201

Ivanov, V.N. Certain results from the 'Taifun-75' expedition into the equatorial Pacific 9—58052

Ivanov, V.P., Klochkov, V.P., Kozlov, L.F. Measurement of the velocity profile in liquid streams of large volumes using a laser Doppler velocimeter 9—64807

Ivanov, V.P., Klochkov, V.P., Kozlov, L.F. Jet flow past an ellipsoid of revolution by means of a laser Doppler anemometer 9—81937

Ivanov, V.P., Novichkov, A.V., Sysoev, A.A., Tananykin, N.I., Shershnev, G.A. Apparatus for digital recording of mass spectra 9—93252

Ivanov, V.P., Rastorguev, A.I., Sysoev, A.A., Tananykin, N.I., Chistyakov, P.N. High-aperture source of ions with surface ionization 9—93251

Ivanov, V.P. *see* Filippov, V.L. 9—84484

Ivanov, V.P. *see* Serikov, M.I. 9—95973

Ivanov, V.S., Kovalev, N.F., Krementsov, S.I., Raizer, M.D. Relativistic millimeter carcinotron 9—68359

Ivanov, V.S. *see* Zhukov, P.G. 9—86122

Ivanov, V.V. Nonlinear equations in linear problems of radiation transfer in plane atmospheres 9—62741

Ivanov, V.V. *see* Andreev, A.M. 9—77276

Ivanov, V.V. *see* Il'in, V.B. 9—80240

Ivanov, V.Yu., Lifshits, T.M. Laser magnetic photoelectric spectroscopy of epitaxial gallium arsenide films 9—82635

Ivanov, Yu.A., Mel'nikov, V.A., Novitskii, A.G. Evolution of a localized vortex 9—100842

Ivanov, Yu.A., Plotnikov, A.I., Chubakova, E.I. Low-frequency alternating-current small-size polarograph 9—70390

Ivanov, Yu.A., Simonov, M.A., Belov, N.V. Crystal structure of the cadmium ammonium phosphate $(NH_4)Cd_6[P_3O_7]_2[P_3O_{10}]$ with mixed anion radical 9—86771

Ivanov, Yu.B. *see* Galitskii, V.M. 9—93544

Ivanov, Yu.N. *see* Piguzov, Yu.V. 9—100136

Ivanov, Yu.P. *see* Gratsianov, K.V. 9—72609

Ivanov, Yu.V., Kandaurova, G.S. New mechanism of energy dissipation in the motion of a domain wall 9—95605

Ivanov, Z.G., Likharev, K.K., Snigirev, O.V., Kupriyanov, M.Yu. Boundary conditions for the Usadel equations and properties of dirty S-N-S sandwiches 9—60990

Ivanov-Kholodny, G.S., Kolosov, M.A., Savich, N.A., Alexandrov, Yu.N., Vasilyev, M.B., Vyshlov, A.S., Dubrovin, V.M., Zaitsev, A.L., Michailov, A.V., Petrov, G.M., Samovol, V.A., Samoznaev, L.N., Sidorenko, A.I., Hasyanov, A.F. Daytime ionosphere of Venus as studied with Veneras 9 and 10 dual-frequency radio occultation experiments 9—96939

Ivanov-Kholodnyy, G.S., Nusinov, A.A. Winter anomaly of the E layer as a result of the seasonal variations of the upper atmosphere 9—53613

Ivanov-Omskii, V.I. *see* Andrukhiv, M.G. 9—91076

Ivanov-Omskii, V.I. *see* Bagraev, N.T. 9—90996

Ivanov-Omskii, V.I. *see* Golubev, V.G. 9—82638

Ivanov-Shits, A.K., Kharkats, Yu.I. Cationic-disorder theory in the two-state model of solid electrolytes 9—73337

Ivanov-Shits, A.K. *see* Gurevich, Yu.Ya. 9—100502

Ivanov-Smolenskii, G.A. *see* Pokatilov, V.S. 9—95651

Ivanova, A.B. *see* Dmitrieva, A.K. 9—51569

Ivanova, A.D. Statistical properties of signals in the acoustic band 9—76919

Ivanova, A.N. *see* Malkin, A.Ya. 9—87844

Ivanova, B. *see* Mikhailov, M. 9—66291

Ivanova, E.A. *see* Goncharuk, I.N. 9—69847

Ivanova, E.A. *see* Kalis, Kh.E. 9—94731

Ivanova, I.V. *see* Shafizade, R.B. 9—56078

Ivanova, K.N. *see* Savitskii, E.M. 9—57007

Ivanova, L.A. *see* Bochkova, O.P. 9—76495, 9—98211

Ivanova, L.A. *see* Volkov, A.F. 9—82891

Ivanova, L.I. *see* Nevskii, N.N. 9—82191, 9—90627, 9—90629

Ivanova, L.M. *see* Akimchenko, I.P. 9—78093

Ivanova, L.P. *see* Shpak, E.V. 9—64168

Ivanova, M.A. *see* Varkovitskaya, A.Ya. 9—80147

Ivanova, M.G. *see* Panaiotov, I. 9—56042

Ivanova, M.I. *see* Kirichenko, E.P. 9—87612

Ivanova, M.N. *see* Bonch-Bruevich, A.M. 9—65884

Ivanova, M.P., Kurbatov, V.S., Sidorov, V.M. Formation of $^8Li_3$ fragments in interaction of 250-GeV protons with photoemulsion heavy nuclei 9—59072

Ivanova, N.G. Resistance to fracture of gray cast iron pipe 9—96124

Ivanova, N.I. *see* Bobkov, I.S. 9—65895

Ivanova, N.M. *see* Kutolin, S.A. 9—52056

Ivanova, N.S. *see* Baranov, D.G. 9—80176

Ivanova, N.S. *see* Varyukin, V.V. 9—80963

Ivanova, R.Z. *see* Ivanov, U.I. 9—77099

Ivanova, S.L., Kulichikhin, S.G., Alkaeva, O.F., Akimushkina, N.M., Vyrkii, Yu.P., Malkin, A.Ya. Determination of the molecular characteristics of polydodecane amide 9—51296

Ivanova, S.L. *see* Malkin, A.Ya. 9—87844

Ivanova, T.M. *see* Batrakov, G.F. 9—53362

Ivanova, V.G. *see* Nestorov, G.T. 9—66766

Ivanova, V.G. *see* Shkodrov, V.G. 9—53423

Ivanova, V.M. *see* Novikova, M.N. 9—61755

Ivanova, V.S., Ermishkin, V.A., Smirnov, E.G., Fridman, Z.G. Investigation into thermoactivation parameters of quasirelaxation straining of iron 9—57164

Ivanova, V.S., Kogan, I.S., Terent'ev, V.F., Orlov, L.G. Behavior of deformed molybdenum alloy TsM-10 under cyclic loading 9—91795

Ivanova, V.Sz., Maszlov, L.I., Ginsztler, J. The characteristic features of some boiler steels from the aspect of their fatigue crack propagation 9—83293

Ivanovic, I.D. On possible sources of Bell's inequality violations 9—54009

Ivanovic, M. *see* Patankar, S.V. 9—81979

Ivanovski, G.J., Urumov, V. Radioelectric effect in thin metallic films 9—56330

Ivanovski, G.J. *see* Urumov, V. 9—56486

Ivanovskii, A.L., Gubanov, V.A., Kurmaev, E.Z., Hagstrom, A.L., Karlsson, S.-E., Johansson, L.I. Interpretation of ESCA spectra for non-stoichiometric titanium carbides on the basis of MO-LCAO calculations 9—59513

Ivanovskii, A.L. *see* Anisimov, V.I. 9—51481

Ivanovskii, A.L. *see* Gubanov, V.A. 9—60710

Ivanter, I.G., Fomichev, S.V. Theory of depolarization of positive muons in antiferromagnetic chromium 9—61290

Ivanter, I.G., Malov, Yu.A. Deviations from the law of corresponding states for ideal and nonideal superconductors 9—87183

Ivanter, I.G. *see* Gurevich, I.I. 9—56676

Ivantsev, A.S. Influence of recrystallization on the thermal strength of two-layer film coatings 9—87748

Ivantsov, V.G. *see* Eselson, B.N. 9—51330

Ivasauskas, A.J. *see* Zilinskas, R.A. 9—69985

Ivaschenko, A.I., Aoki, M. Electrical properties of n-CdS grown from tellurium solution 9—65475

Ivaschenko, A.I., Aoki, M. Photoconductivity and crystal perfection in n-CdS grown from Te solution 9—99579

Ivascu, M. *see* Poenaru, D.N. 9—59022, 9—80869, 9—93566

Ivascu, M. *see* Ponenaru, D.N. 9—93565

Ivashchenko, A.I. *see* Gerasimenko, V.V. 9—93199

Ivashchenko, A.N. *see* Vanchikov, V.V. 9—95676

Ivashchenko, N.I. *see* Borishanskiy, V.M. 9—90244, 9—90250

Ivashchenko, P.A. Measurement of dielectric constant of ferrites in mode E_{010} resonators 9—71483

Ivashchenko, R.K., Mil'man, Yu.V., Shchepanskii, Ya.S. Influence of temperature and the structural state on strain hardening of molybdenum 9—91664

Ivashin, N.V., Burinovich, I.F. Infrared spectra of Zn-Tetraphenylporphin anions 9—54852

Ivashkevich, L.S. *see* Demidov, A.V. 9—81293

Ivashkin, V.I. Composition change of a gas mixture in free expansion through a channel 9—64709

Ivashneva, L.N. *see* Drozhbin, Yu.A. 9—64342

Ivchenko, E.L., Pikus, G.E., Takunov, L.V. Alignment and orientation of hot excitons in semiconductors 9—65392

Ivchenko, E.L., Selkin, A.V. Natural optical activity in semiconductors with a wurtzite structure 9—78647

Ivchenko, E.L. *see* Asnin, V.M. 9—73542

Ivchenko, E.L. *see* Dvornikov, D.P. 9—51930, 9—61334

Ivchenko, E.L. *see* Vorob'ev, L.E. 9—65830

Ivchenko, V.A., Syutkin, N.N. Field-ion images of atoms in the platinum-iridium system 9—69962

Ivel'skaya, M.K., Katyushina, V.V., Klimov, N.N. Possible interrelation between semi-annual and annual oxygen variations in the upper atmosphere 9—53589

Ivensen, V.A., Chistyakova, V.A., Eiduk, O.N. Effect of internal thermal stress on the yield stress of a sintered hard alloy 9—100230

Ivenskii, S.N. *see* Shpigel'man, E.S. 9—67387

Ivers, J.D. *see* Adler, R.J. 9—71990

Iversen, J.D. Autorotating flat-plate wings: the effect of the moment of inertia, geometry and Reynolds number 9—68719

Iverson, M.V., Sibley, W.A. Temperature dependence of Ni^{2+} luminescence in $KZnF_3$, MgF_2 and MgO 9—83016

Iverson, P.M., Chiotti, P. Reaction of thorium carbide in a fused-salt/liquid-metal system 9—54580

Iverson, R.D. *see* Kaveh, M. 9—70593

Ivert, P.-H., Sjodin, T. On the impossibility of a finite propositional lattice for quantum mechanics 9—84982

Ives, M.B. *see* Zamin, M. 9—91849

Ivezic, T. The hopping model of zero-bias tunnelling anomalies: magnetic field effect 9—60936

Ivezic, T. *see* Babic, E. 9—56181

Ivezic, T. *see* Stubicar, M. 9—57085

Ivin, K.J. ^{13}C NMR spectroscopy as a means of determining structure in some polymers containing heteroatoms in the main chain 9—55013

Ivins, E.R. *see* Phillips, R.J. 9—84692

Ivkin, M.V. *see* Demidov, B.A. 9—81099

Ivkov, J., Marohnic, Z., Babic, E., Pivac, B., Subic, J. Magnetic contribution to the resistivity of amorphous $Fe_xNi_{80-x}P_{14}B_6$ alloys 9—56182

Ivkov, J. *see* Babic, E. 9—56181

Ivkov, J. *see* Marohnic, Z. 9—56196, 9—73488

Ivlev, A.S. *see* Khazanov, A.I. 9—57781

Ivlev, L.S. *see* Kondratyev, K.Ya. 9—100956

Ivlev, S.A., Soloveichik, V.R., Glukhova, N.P. Mobile test laboratory for analyzing gases 9—71435

Ivlev, V.I. *see* Akhant'ev, V.P. 9—57152

Ivleva, E.E. *see* Shcherbakova, N.I. 9—49325

Ivleva, V.S. *see* Petrovskii, V.I. 9—69579

Ivolga, V.V. *see* Zhilyakov, S.M. 9—73762

Ivory, D.M., Miller, G.G., Sowa, J.M., Shacklette, L.W., Chance, R.R., Baughman, R.H. Highly conducting charge-transfer complexes of poly(p-phenylene) 9—91031

Iwabuchi, S. *see* Sato, K. 9—73539

Iwade, S., Okuda, K., Date, M. Superhyperfine interaction in $\{Cu(NH_3)_4\}^{2+}$ ion complex 9—91284

Iwahana, K., Ohkura, H., Iida, T. Vibronic scheme of the relaxed excited state of the F center 9—90989

Iwahara, Y. *see* Nawata, K. 9—76829

Iwai, A., Kashiwagi, M., Nishino, M., Satoh, M. Triangulation direction finding network for fixing the sources of atmospherics 9—100981

Iwai, A. *see* Moriyama, S.-I. 9—100924

Iwai, A. *see* Okada, T. 9—53674

Iwai, J. *see* Fumuro, F. 9—62705

Iwai, N. *see* Imachi, K. 9—84018

Iwai, S. *see* Matsuoka, Y. 9—52970

Iwai, S. *see* Oka, Y. 9—51452

Iwai, S. *see* Okada, K. 9—99136

Iwai, S.-I. *see* Miyata, T. 9—60222

Iwai, T. *see* Fujita, T. 9—89793

Iwai, T. *see* Takai, N. 9—97366

Iwai, Y. *see* Arima, J. 9—66092

Iwai, Y. *see* Somiya, S. 9—65996

Iwaki, T. *see* Mitsumata, T. 9—83589

Iwaki, T. *see* Yanagihara, N. 9—83590

Iwama, N., Ohba, Y., Tsukishima, T. Estimation of wave-number spectrum parameters from fixed probe-pair data 9—82062

Iwama, T. *see* Daido, Y. 9—81518

Iwami, M. *see* Hiraki, A. 9—95880

Iwamoto, H. *see* Takahashi, T. 9—90571

Iwamoto, K., Seno, M. Effects of fluctuation on dissipative structures. I. Effects of fluctuation on chemical oscillation systems 9—83441

Iwamoto, K., Seno, M. Effects of fluctuation on dissipative structures. II. Appearance of optically active states as dissipative structures 9—83442

Iwamoto, K. *see* Yonezu, H. 9—72566

Iwamoto, M., Lunsford, J.H. Reactions leading to the formation of O_3^- on magnesium oxide 9—100431

Iwamoto, M. *see* Nozaki, T. 9—85468

Iwamoto, M. *see* Suzuki, M. 9—66151

Iwamoto, N., Tsunawaki, Y., Hattori, T., Mitsuishi, A. Raman spectra of $NaO_2O\text{-}SiO_2\text{-}Al_2O_3$ and $K_2O\text{-}SiO_2\text{-}Al_2O_3$ glasses 9—73925

Iwamoto, T. *see* Motozato, Y. 9—66386

Iwamura, K. *see* Kuriyama, K. 9—91724

Iwan, M., Eberhardt, W., Kalkoffen, G., Koch, E.E., Kunz, C. Photoemission studies on phthalocyanine compounds: cross section dependence of outer core levels 9—50079

Iwan, M., Koch, E.E. Resonant photoemission at the 3p-core threshold from quasiatomic Ni in nickel-phthalocyanine 9—78847

Iwanami, H., Kunieda, H., Nagase, F., Yamashita, K., Murakami, T. Brightness distribution of diffuse soft X-rays 9—53942

Iwanenko, T. *see* Poninski, M. 9—82458

Iwanov, G.K. *see* Iliewa, K.K. 9—57202

Iwao, N., Kainuma, T., Watanabe, R., Shimomura, T. Mechanical properties of vanadium-tantalum alloys 9—61682

Iwao, N. *see* Kainuma, T. 9—52356

Iwao, S. Analogy of amorphous state with confined nuclear fusion, nuclear evaporation, high-energy lepton-nucleon, e^+e^-, nucleon-nucleon, nuclear collisions and earlier universe 9—54370

Iwao, S. Magntic moments and machinery of symmetry breaking 9—63477

Iwao, S. Jet production in photon-electron collision 9—89142

Iwao, S. Jet production in photon-photon collision 9—89151

Iwasa, I., Araki, K., Suzuki, H. Temperature and frequency dependence of the sound velocity in HCP ^4He crystals 9—56016

Iwasa, M., Kose, S., Korenaga, S., Furukawa, M. Physical and chemical properties of MgO ceramics treated in molten K_2SO_4 for a long period 9—57133

Iwasa, S. *see* Okano, S. 9—82946

Iwasa, Y. *see* Mashimo, S. 9—61303

Iwasaki, A. *see* Kato, I. 9—55111

Iwasaki, H., Mizokawa, Y., Nishitani, R., Nakamura, S. Effects of water vapor and oxygen excitation on oxidation of GaAs, GaP and InSb surfaces studied by X-ray photoemission spectroscopy 9—100274

Iwasaki, H., Watanabe, Y. Structure of periodic antiphase domain boundaries in long-range ordered alloys 9—95028

Iwasaki, H. *see* Hashimoto, S. 9—52276, 9—96043

Iwasaki, H. *see* Ikeda, H. 9—58967

Iwasaki, H. *see* Miyazawa, S. 9—91597

Iwasaki, M., Takagi, S. A model for shock waves in high energy heavy ion collisions 9—54402

Iwasaki, M. *see* Kevan, L. 9—73853

Iwasaki, M. *see* Toriyama, K. 9—100412

Iwasaki, S. *see* Sakurai, T. 9—76765

Iwasaki, T. Reflection and transmission at an exit end of a single-mode optical fiber 9—98474

Iwasaki, T., Katayama, T., Kawashima, K., Saeki, M. Statistical analysis of strong-motion acceleration records obtained in Japan 9—88298

Iwasaki, T., Nemoto, T. A high-sensitive detection of millimeter waves with pyroelectric detector 9—97432

Iwasaki, T., Ohara, H., Matsumoto, S., Matsudaira, H. Test of magnetic sensitivity in three different biological systems 9—92247

Iwasaki, T., Sawada, T., Okuyama, M., Kamada, H. Initiation mechanism of the reaction of aromatic amines with carbon tetrachloride 9—61888

Iwasaki, T., Sumi, S., Fujishima, A., Honda, K. Photoelectrochemical study of supersensitization with AgCl crystal 9—83486

Iwasaki, T. *see* Ohashi, M. 9—62459

Iwasaki, T. *see* Shioi, Y. 9—62460

Iwasaki, T. *see* Tien-Kai Li 9—57262

Iwasaki, Y., Crawley, G.M., Markham, R.G., Finck, J.E., Kim, J.H. Octupole states in ^{63}Cu and the weak-coupling picture 9—93495

Iwasaki, Y.T. *see* Yoshikawa, S. 9—88283

Iwase, M., Mori, T., Okubo, N. A thermodynamic study of $PbO\text{-}PbF_2$ melts by means of solid-oxide galvanic cell 9—96013

Iwashita, T., Uryu, N. The Curie temperature of a spin-one Heisenberg ferromagnet with biquadratic exchange and uniaxial anisotropy 9—61123

Iwashita, T., Uryu, N. The magnetic susceptibility of spin-one Ising and Heisenberg ferromagnets with biquadratic exchange and uniaxial anisotropy 9—99670

Iwashita, Y. *see* Kumabe, I. 9—89264

Iwashita, Y. *see* Matsuki, S. 9—67777

Iwaski, Y., Fujimoto, K. Theory of torsion pendulum of three components for measurement of Snoek damping in sheet specimen 9—63010

Iwata, A. *see* Ishi, N. 9—57628

Iwata, K. Viscoelastic properties of rigid and semiflexible particles in solution. I 9—94505

Iwata, K. *see* Abe, Y. 9—85279

Iwata, K. *see* Okuda, N. 9—100738

Iwata, M. *see* Endo, T. 9—66053, 9—70068

Iwata, R., Ido, T., Saji, H., Suzuki, K., Yoshikawa, K., Tamate, K., Kasida, Y. A remote-controlled synthesis of ^{11}C-iodomethane for the practical preparation of ^{11}C-labeled radiopharmaceuticals 9—88192

Iwata, S., Ishizaka, A. Electric charging of thin insulating film by X-radiation 9—61488

Iwata, S., Ishizaka, A. Chemical shift for thermally oxidized silicon as measured by ESCA 9—61761

Iwata, S., Shiomi, S., Uchiyama, S., Fujii, T. Complementary σ-bubbles in bubble automation 9—78465

Iwata, S. *see* Ishizaka, A. 9—82678

Iwata, S. *see* Kanazawa, T. 9—59610

Iwata, S. *see* Kosugi, N. 9—72354

Iwata, S. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347

Iwata, S. *see* Shiomi, S. 9—51828

Iwata, Y., Kobori, Y. Free vibration of cylindrical shell 9—64565

Iwata, Y., Koyano, N., Shibuya, I. A Fourier synthetic study on rotational behavior of NO_2 radicals in $NaNO_2$ 9—56739

Iwata, Y. *see* Otsuka, K. 9—60308

Iwata, Y. *see* Shibuya, I. 9—55609

Iwatani, M. *see* Satofuka, N. 9—77185

Iwayanagi, S. *see* Kobayashi, S. 9—51254

Iwe, H. A mechanism for forming highly dense nuclear matter in relativistic nucleus-nucleus collisions 9—97675

Iwinski, E.M. *see* Sink, D.A. 9—76142

Iwinski, M. *see* Kusmierek, Z. 9—75555

Iwinski, Z.R., Young Soon Kim, Pratt, R.H. Screening effects in radiative orbital electron capture by an atomic nucleus 9—67717

Iyakutti, K. *see* Asokamani, R. 9—60699

Iye, M. *see* Aoki, S. 9—80356

Iyengar, K.T.S.R. *see* Desayi, P. 9—87688

Iyengar, K.T.Sundara Raja *see* Sundara Raja Iyengar, K.T.

Iyengar, L. *see* Ranga Prasad, T. 9—69242

Iyengar, L. *see* Venudhar, Y.C. 9—99121

Iyengar, P.K. *see* Jaggi, N.K. 9—78577

Iyengar, R.Narayana *see* Narayana Iyengar, R.

Iyengar, R.V. *see* Jain, A.R. 9—88488

Iyer, B.R., Kumar, A. The Kerr black hole in thermal equilibrium and the ν vacuum 9—97022

Iyer, C.S.P. *see* Navaratna, M.R. 9—87896

Iyer, H.M., Oppenheimer, D.H., Hitchcock, T. Abnormal P-wave delays in The Geysers-Clear Lake geothermal area, California 9—74860

Iyer, K.N., Rastogi, R.G. Ionospheric scintillations of VHF radio signals from satellites at Ahmedabad 9—53634

Iyer, K.N., Rastogi, R.G. Ionospheric total electron content over the magnetic equator (Kodaikanal) during half a solar cycle 9—53636

Iyer, K.N. *see* Balan, N. 9—88538

Iyer, N.R. *see* Khadakkar, A.G. 9—94568

Iyer, P.A., Kelly, R.E. Supercritical solutions for the buoyancy boundary layer 9—55384

Iyer, P.S. *see* Dhond, R.V. 9—70645

Iyer, R.H. *see* Bhargava, V.K. 9—67785

Iyer, R.H. *see* Chaudhuri, N.K. 9—76300

Iyer, R.H. *see* Marathe, S.G. 9—49642

Iyer, R.H. *see* Rao, V.K. 9—59005

Iyer, R.H. *see* Sampathkumar, R. 9—49910
Iyer, R.M. *see* Belapurkar, A.D. 9—52705
Iyer, S.S. *see* Thiruvergadathan, A. 9—96795
Iyer, S.V. *see* Subramanyan, N. 9—70215
Iynkaran, K. *see* Muthuveerappan, Vr. 9—70461
Iynkaran, K. *see* Muthuveerappan, V.R. 9—62039
Izak-Biran, T., Guinn, V.P. Analysis of metal fragments for lead via the $^{204}Pb(n,n')^{204m}Pb$ reaction 9—52850
Izakov, M.N. Influence of turbulence on the thermal conditions of planetary thermospheres 9—88610
Izakov, V.Ya. *see* Shumakov, V.I. 9—53079
Izakov, V.Ya. *see* Tsaturyan, A.K. 9—96542
Izarov, M.A. *see* Prokopenko, A.V. 9—66231
Izawa, T. *see* Tsuchiya, H. 9—90022
Izawa, T. *see* Tsukada, E. 9—97455
Izawa, Y. *see* Kawakami, H. 9—49306
Izawa, Y. *see* Murakami, Y. 9—57559
Izawa, Y. *see* Niki, H. 9—49865
Izawa, Y. *see* Yamada, K. 9—81457
Izdebski, K., Shipp, T. Minimal reaction times for phonatory initiation 9—96583
Izergin, A.G., Korepin, V.E., Semenov-Tyan-Shanskii, M.A., Faddeev, L.D. Gauge conditions for the Yang-Mills field 9—93296
Izgorodin, V.M. *see* Grasyuk, A.Z. 9—89965
Izhovkina, N.I. Parameters of the albedo electron flux for electron pulses artificially injected into the ionsphere 9—62664
Izhvanov, L.A., Fadeev, V.N., Ryabkova, T.G., Galkin, E.A. Gas evolution from beryllium powders during heating in the temperature range 20-700°C 9—61796
Izidinov, S.O. Initiation of complete activation of passive silicon by local photoactivation 9—100403
Iziri, M., Naya, S. Comments on the melting and the size dependence of melting temperature in metallic fine particles 9—73294
Izmailov, A.N. *see* Buts, V.A. 9—55520
Izmailov, I.A., Kochelap, V.A., Kukibnyi, Yu.A. Amplification of light in photorecombination reactions initiated by shock waves. II 9—96313
Izmailov, I.A. *see* Pekar, S.I. 9—76682
Izmailov, Sh.L., Styrov, V.V. Physiochemical changes on surface of zinc sulfide crystal phosphors due to interaction with atomic hydrogen (ZnS-Mn) 9—56863
Izmailov, Sh.Z. *see* Chumanov, V.Ya. 9—83086
Izmui, M. *see* Tsuda, M. 9—88146
Iznankin, A.Yu., Mezhov-Deglin, L.P. The passage of intense short heat pulses through liquid He 9—82400
Izotov, A.D., Sanygin, V.P., Ponomarev, V.F. Genetic relation between crystal structures of polymorphic modifications of compounds of the type $A_3^{II}B_2^{V}$ 9—60302
Izotov, A.D. *see* Bokii, G.B. 9—60304
Izotov, V.I., Kozlov, A.P. Influence of previous deformation on the structure and properties of an Fe-Ni-V-C alloy after the reverse $\alpha \rightarrow \gamma$ transformation 9—100139
Izquierdo, G., West, A.R. Phase equilibria in the system Li_2O-Cr_2O_3-SiO_2 9—78944
Izquierdo, M., McDonald, C., Ballard, H., Novlan, D., Randhawa, J. A qualitative interpretation of the ozone number density and temperature profiles measured aboard STRATCOM VII-A as related to indicated vertical transport 9—58079
Izquierdo, M. *see* Rubio, R. 9—58135
Izrailenko, A.N. *see* Gladkin, V.V. 9—65808
Izrailev, I.M. Action of visible light on photographic materials exposed to X-rays 9—97463
Izraileva, L.K. *see* Belyaev, G.V. 9—78243
Izu, N. *see* Aguirre, C. 9—62699
Izuka, T. *see* Tajima, M. 9—87500
Izumi, F., Kodama, H. A new modification of tantalum(V) oxide 9—51083
Izumi, F., Kodama, H., Ono, A. Growth of anatase (TiO_2) crystals by chemical transport reactions with HBr and HCl 9—78858
Izumi, K. *see* Watanabe, T. 9—61510
Izumi, M. *see* Izumi, S. 9—97748
Izumi, M. *see* Kato, K. 9—76079
Izumi, O. *see* Aoki, K. 9—52315, 9—61694, 9—79075
Izumi, O. *see* Fat-Halla, N. 9—70119
Izumi, O. *see* Hanada, S. 9—79026
Izumi, O. *see* Kawabata, T. 9—57089
Izumi, S. On the Earth strain of bore-hole strainmeter measured at Matsushiro Seismological Observatory. II. Responses from seismic waves 9—96745
Izumi, S., Yamada, I., Izumi, M. Vibration monitor for rotating machines using average frequency technique 9—97748
Izumi, S. *see* Ibe, E. 9—49243
Izumi, S. *see* Yamamoto, H. 9—63732, 9—97747
Izumi, Y., Fine, M.E. Role of plastic work in fatigue crack propagation in metals 9—79070
Izumi, Y., Okano, Y., Fujimoto, H., Osamura, K., Murakami, Y., Yamakawa, K. Effect of microstructure and corrosive environments on stress-corrosion cracking in Al-Zn-Mg alloys 9—79159
Izumiyama, M. Problems concerning stress corrosion cracking of austenitic stainless steel used in chemical plants 9—96190
Izumo, K. *see* Okano, M. 9—80144
Izumoto, T., Mori, A. The orthogonality condition model applied to the inelastic two-step reaction process 9—49631
Izumoto, T. *see* Aoki, Y. 9—67757
Izvekova, V.A., Kuzmin, A.D., Molofeev, V.M., Shitov, Yu.P. Energy spectra and pulse shapes of pulsars at metre wavelengths 9—75233
Izvekova, V.A., Malov, I.F. On some consequences of the polar cap model for a magnetosphere of pulsars 9—101169
Izvol'skii, V.V. *see* Golovanenko, S.A. 9—91797
Izycki, M. *see* Backenstoss, G. 9—68336
Izyneev, A.A. *see* Alekseev, N.E. 9—64236, 9—89914
Izyumov, Yu.A., Naish, V.E. Symmetry analysis in neutron diffraction studies of magnetic structures. I. A phase transition concept to describe magnetic structures in crystals 9—99679
Izyumov, Yu.A., Naish, V.E., Petrov, S.B., Syromyatnikov, V.N. Group theory approach to the interpretation of neutron diffraction patterns for determining the magnetic structure of crystals. II. Determination of the magnetic structure 9—51749
Izyumov, Yu.A., Naish, V.E., Petrov, S.B., Syromyatnikov, V.N. Group-theory approach to the interpretation of neutron diffraction patterns for determining the magnetic structure of a crystal. III. Symmetry analysis of the exchange Hamiltonian 9—65648
Izyumov, Yu.A., Naish, V.E., Syromiatnikov, V.N. Symmetry analysis in neutron diffraction studies of magnetic structures. II. Changes in periodicity at magnetic phase transitions 9—99680

Jaakkola, S. *see* Kilpela, E. 9—100988
Jaanimagi, P.A., Enright, G.D., Richardson, M.C. Picosecond development of high harmonic emission from CO_2 laser-produced plasmas 9—90391
Jaanson, N. *see* Egemberdiev, Zh. 9—65076
Jaax, B. *see* Brandelik, R. 9—63491
Jablonski, D. *see* Lutz, R.A. 9—53510
Jablonski, D.A., Pelloux, R.M. An evaluation of the summation of cyclic plastic strain damage in two high strength aluminum alloys 9—57060
Jablonski, W. The determination separately of the thermal conductivity of gas and of solid in porous materials 9—64486
Jablonski, W. *see* Drobnik, A. 9—99990
Jablonski, Z. *see* Baiburina, S.G. 9—80156, 9—80170
Jacak, L. The collective excitations with the gap in He^3(B); the method of kinetic equation 9—60579
Jaccard, C. *see* Pilloud, J.-J. 9—65730
Jaccard, C. *see* Rudolf, F. 9—99372
Jaccard, S. *see* Besset, D. 9—63503
Jaccarino, V. *see* Dorshow, R. 9—99366
Jaccarino, V. *see* Felcher, G.P. 9—73734
Jaccarino, V. *see* Riedi, P.C. 9—61098
Jacczyk, A.Z. *see* Cegla, W. 9—54282
Jacewicz, V.W., Nayler, J.H.C. Can metastable crystal forms 'disappear'? 9—86733
Jach, K. *see* Dubik, A. 9—90431
Jach, K. *see* Kaliski, S. 9—50884
Jach, T., DiStefano, T.H. Fine structure in elastic-electron-yield spectra at transition-metal core energies 9—69938
Jachim, M. *see* Alkhazov, G.D. 9—75957
Jachim, S.P. A high-speed voltage-controlled oscillator for the Fermilab booster low-level RF system 9—68049
Jachim, S.P. *see* Meisner, K.G. 9—76205
Jacholkowska, A. *see* Deutschmann, M. 9—85345
Jack, H.E., Jr. Deconvolution of high energy edge of noise distorted backscattering spectra 9—56903
Jack, I.R. *see* Nolan, J.P. 9—83970
Jack, J. *see* Attwell, D. 9—83715
Jack, K.H. *see* Driver, J.H. 9—74160
Jack, K.H. *see* Hendry, A. 9—83313
Jack, M.A., Milne, A.D., Virr, L.E. Compact helium speech. Unscrambler using charge-transfer devices 9—98559
Jack, W. *see* Mackenzie, A.B. 9—88370
Jacka, F., Bower, A.R.D., Wilksch, P.A. Thermospheric temperatures and winds derived from O I λ630 nm night airglow line profiles 9—58143
Jacka, F. *see* Cocks, T.D. 9—58144
Jackel, H., Guekos, G., Tenchio, G., Welter, R. Switching dynamics and noise due to laser diodes in optical transmitters 9—89919
Jackel, L.D. *see* Hu, E.L. 9—65613
Jackel, M., Knoner, R. Generation of high vacuum by means of cryomethods 9—88967
Jackels, C.F. Theoretical excitation energies of the lowest quartet states of nitrogen dioxide 9—68221

Jackiw, R., Jacobs, L., Rebbi, C. Static Yang-Mills fields with sources 9—97512
Jackiw, R., Kerman, A. Time-dependent variational principle and the effective action 9—63359
Jackle, J., Frobose, K. Phonon characterisation and the theory of the temperature dependence of the electrical resistivity of amorphous metals 9—60782
Jackman, C.H., Green, A.E.S. Electron impact on atmospheric gases. III. Spatial yield spectra for N_2 9—100992
Jackola, A.S. *see* Specht, E.R. 9—49666
Jackson, A.D. *see* Backman, S.-O. 9—63616
Jackson, B. *see* Ehrlich, M. 9—62341
Jackson, B.G. *see* Andrews, J.M. 9—78240
Jackson, B.L., Stanley, W.D., Jones, W.L., Jr. Measure of arctic sea ice characteristics using microwave scatterometry 9—84298
Jackson, B.V. *see* Sheridan, K.V. 9—53796
Jackson, C.H. *see* Clark, J.P. 9—81052
Jackson, C.K. Modifications to the Cameca ion analyser 9—58841
Jackson, C.N., Jr., Barton, J.P., Proudfoot, E.A. Neutron radiography facility at the Hanford Engineering Development Laboratory 9—96255
Jackson, D.A. Isotope shifts in the near infrared lines of the arc spectrum of krypton 9—72257
Jackson, D.D. Linear inverse theory with a priori data 9—53580
Jackson, D.D., Ergas, R.A. Statistical analysis of travel-time anomalies 9—57868
Jackson, D.F. Sensitivity of alpha-decay to the real alpha-nucleus potential 9—97714
Jackson, D.F., Ioannides, A.A., Thomas, A.W. The case for studying the $(\pi,\pi N)$ reaction in coincidence under optimum conditions 9—76027
Jackson, D.J., Lawler, J.E., Hansch, T.W. Broadly tunable pulsed laser for the infrared using color centers 9—76706
Jackson, D.J. *see* Lawler, J.E. 9—50169
Jackson, D.P., Barrett, J.H. The effects of correlated lattice vibrations on surface backscattering yields 9—69942
Jackson, D.P. *see* Norton, P.R. 9—86970
Jackson, D.R. *see* Farrar, G.R. 9—80827
Jackson, E. *see* Clark, P.N. 9—96179
Jackson, F., Dellar, D. The estimation of total mercury in water 9—92103
Jackson, F.H. *see* Walker, I.K. 9—66278
Jackson, F.T. *see* Bawden, D. 9—83541
Jackson, H.E. *see* Bowles, T. 9—93663
Jackson, H.E. *see* Holt, R.J. 9—89267
Jackson, H.W. Foundations of a comprehensive theory of liquid ^4He 9—73361
Jackson, I., Ahrens, T.J. Shock wave compression of single-crystal forsterite 9—84242
Jackson, J. *see* Allinger, J. 9—76203
Jackson, J.C. *see* Palmer, I.D. 9—53670, 9—101026
Jackson, J.E. *see* Rush, R.H. 9—76066
Jackson, J.J. Calorimetric study of stage-I self-interstitial-atom interaction energies in platinum 9—95002
Jackson, J.L. *see* Pitner, A.L. 9—93701
Jackson, J.N. *see* Albrow, M.G. 9—75805
Jackson, J.N. *see* Armstrong, T.A. 9—85344
Jackson, J.N. *see* Bussey, P.J. 9—75778, 9—80829
Jackson, K.A., Leamy, H.J. A comment on the solubility of impurities in laser annealed silicon 9—69247
Jackson, K.H. *see* Poliakoff, E.D. 9—98130
Jackson, L.B., Chien, H.C. Frequency and bearing estimation by two-dimensional linear prediction 9—64409
Jackson, L.D. Magnetic measurements 9—80650
Jackson, L.T., Flood, W.S. Hardware implementation and test results of PEP chopper magnet power supply system 9—76208
Jackson, M.R., Shaw, D.M., Massey, N.W.D. Anomalous Li in Keweenawan rhyolites, Ontario 9—84252
Jackson, P.D., Smith, D.T., Stanford, P.N. Resistivity-porosity-particle shape relationships for marine sands 9—53339
Jackson, P.H. *see* Boden, N. 9—95126
Jackson, P.S. Wind structure near a city centre 9—66758
Jackson, R.E. *see* Champ, D.R. 9—84303
Jackson, R.N., Kern, R.W. Dual microscope system 9—75586
Jackson, R.W. *see* Gardiner, D.J. 9—78673
Jackson, T.N. *see* Wise, K.D. 9—89495
Jackson, W.J., Southall, D.M., Edwards, D.S. Surface alloying of steel castings 9—83395
Jackson, W.M., Halpern, J.B. Multiphoton ultraviolet photodissociation of C_2N_2 9—54928
Jacky, J.P. A plethysmograph for long-term measurements of ventilation in unrestrained animals 9—62413
Jacmart, J.C. *see* Gamp, A. 9—76021
Jacob, E.B., Imry, Y. Solitary phenomena in finite dissipative discrete systems 9—87212
Jacob, E.Ben *see* Ben Jacob, E.
Jacob, I., Shaltiel, D. Hydrogen sorption properties of some AB_2 Laves phase compounds 9—86980
Jacob, J.H., Hsia, J.C., Mangano, J.A., Rokni, M. Pulse shape and laser-energy extraction from e-beam-pumped KrF* 9—98345

Jacob, J.H., Srivastava, B.N., Mangano, J.A., Rokni, M. On the diffusion approximation of the Boltzmann equation for slow electrons 9—82044
Jacob, J.H. *see* Medhekar, A.K. 9—100430
Jacob, K.T., Bhogeswara Rao, D., Nelson, H.G. Stability of chromium (III) sulfate in atmospheres containing oxygen and sulfur 9—57222
Jacob, K.T., Mathew, P.M. Solubility and activity of oxygen in liquid antimony 9—90793
Jacob, K.T., Toguri, J.M. Authors' reply [Thermodynamics of oxide-sulphate melts: the system PbO-$PbSO_4$] 9—82359
Jacob, L. Boom induced window response and damage 9—81604
Jacob, N.P. Secondary system fission product transport study at the Oconee Nuclear Station 9—49781
Jacob, R.E. *see* von Backstrom, J.W. 9—84268
Jacobi, D. *see* Andelfinger, C. 9—76162
Jacobi, J.H. *see* Larsen, L.E. 9—88216
Jacobi, J.H. *see* Meyerhoff, J.L. 9—53188
Jacobi, K. *see* Hofmann, P. 9—60635
Jacobi, S.A. *see* Williams, K.R. 9—74579
Jacoboni, C., Reggiani, L. Bulk hot-electron properties of cubic semiconductors 9—99553
Jacoboni, C. *see* Bosi, S. 9—60823
Jacoboni, C. *see* Fourquet, J.L. 9—73144
Jacobs, B.A.J. *see* Dil, J.G. 9—89844
Jacobs, D.M. *see* Nash, R.J. 9—79134
Jacobs, H., Fink, U. On sodium- and potassium amidometallates of calcium, strontium and europium 9—51080
Jacobs, H., Gieger, B., Hadenfeldt, C. On the system potassium/lanthanum/ammonia 9—66043
Jacobs, H. *see* Nagib, M. 9—69085
Jacobs, I.S., Levinson, L.M. Enhancement of magnetic separability in coal liquefaction residual solids 9—83544
Jacobs, I.S. *see* Bonner, J.C. 9—78394
Jacobs, J.A. Planetary magnetic fields 9—58286
Jacobs, J.E. Ultrasonic imaging systems, particularly the Sokoloff tube 9—98575
Jacobs, L., Rebbi, C. Interaction energy of superconducting vortices 9—78256
Jacobs, L. *see* Creutz, M. 9—58876
Jacobs, L. *see* Deslattes, R.D. 9—76378
Jacobs, L. *see* Jackiw, R. 9—97512
Jacobs, L. *see* Van den Cruyce, J.M. 9—93491
Jacobs, P.W.M. *see* Catlow, C.R.A. 9—99179
Jacobs, P.W.M. *see* Gannon, K.O. 9—82957
Jacobs, P.W.M. *see* Ong, S.H. 9—82912
Jacobs, R.J. *see* Hess, R.F. 9—83777
Jacobs, R.R., Krupke, W.F. Excited-state kinetics for $Nd(THD)_3$ and $Tb(THD)_3$ chelate vapors and prospects as fusion laser media 9—64243
Jacobs, R.R., Krupke, W.F. Kinetics and fusion laser potential for the terbium chloride-aluminum chloride vapour complex 9—98343
Jacobs, S.F. How monochromatic is laser light? 9—84886
Jacobs, S.F. *see* Arecchi, F.T. 9—64366
Jacobs, S.F. *see* Barrett, H.H. 9—72508
Jacobs, S.M. *see* Mowery, R.L. 9—68248
Jacobs, S.S., Gordon, A.L., Ardai, J.L., Jr. Circulation and melting beneath the Ross Ice Shelf 9—88363
Jacobs, V.L., Davis, J. Properties of Rydberg autioionizing states in electric fields 9—59405
Jacobs, V.L., Davis, J., Rogerson, J.E., Blaha, M. Dielectronic recombination rates, ionization equilibrium, and radiative energy-loss rates for neon, magnesium, and sulfur ions in low-density plasmas 9—68903
Jacobs, W.W. *see* Karwowski, H.J. 9—76019
Jacobs, W.W. *see* Shepard, J.R. 9—67656
Jacobsen, C.S. *see* Carneiro, K. 9—99538
Jacobsen, C.S. *see* Guldbrandsen, T. 9—88979
Jacobsen, G., Hansen, J.J.R. Propagation constants and group delays of guided modes in graded-index fibers: a comparison of three theories 9—98464
Jacobsen, N. Localized phonons in Pb-Tl-In and Pb-Tl-Bi-In studied by superconducting tunneling 9—87210
Jacobson, A.G., Shen, Y.R. Coherent Brillouin spectroscopy 9—59754
Jacobson, A.J., McCandlish, L.E. In situ Mossbauer spectroscopy studies of the electrochemical reaction of lithium with $KFeS_2$ 9—100397
Jacobson, A.S. *see* Ling, J.C. 9—92829
Jacobson, C.A., Sr. Houston area getaway special experiments 9—53951
Jacobson, G., Schuett, A.W. Water levels, balance, and chemistry of Lake George, New South Wales 9—84332
Jacobson, J.Zachary *see* Zachary Jacobson, J.
Jacobson, M., Hirose, G. Origin of the retina from both sides of the embryonic brain: a contribution to the problem of crossing at the optic chiasma 9—62250
Jacobson, R.E., Maitland, J.S. Aspects of enzymic hydrolysis of gelatin in photographic emulsions 9—79311
Jacobsson, L., Jonsson, G., Kristiansson, K. Isotopic composition of primary cosmic-ray nitrogen and oxygen with consequences for source models 9—84609
Jacobstein, J.G. A simple method for the air monitoring of xenon-133 9—83949
Jacoby, W. *see* Angenheister, G. 9—57889
Jacoby, W.R. *see* Girardin, N. 9—88267
Jacon, M. *see* Coxon, J.A. 9—59470
Jacopini, E., Picasso, E., Pegoraro, F., Radicati, L.A. Birefringence induced by gravitational waves: a suggestion for a new detector 9—97291
Jacovelli, P.B., Zinke, O.H. Evidence of an anomalous Thomson effect 9—65435
Jacovic, M. *see* Despic, A.R. 9—74102
Jacox, M.E. Matrix isolation spectroscopic studies of free radicals and molecular ions produced by collisions of molecules with excited argon atoms 9—50008
Jacox, M.E. The reaction of F atoms with methane in an argon matrix 9—96293
Jacquemart, C. *see* Haeberli, W. 9—76251
Jacquemin, C., Spitz, S. Fixed J spectral distributions in large shell model spaces. I. Scalar centroids and widths 9—49581
Jacquemin, C., Spitz, S. A method of exact calculation of fixed-J configuration centroids 9—67683
Jacques, A. *see* Nouchi, I. 9—64319
Jacques, J. *see* Chion, B. 9—86778
Jacques, P. *see* Brick, D. 9—58980
Jacquet, F. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Jacquet, J. The thermal balance of our planet. I. The natural conditions 9—57890
Jacquet, J. The thermal balance of our planet. II. The influence of man 9—74553
Jacquin, M. *see* Bedjidian, M. 9—63621, 9—85393
Jacquinot, J.F. *see* Ehnholm, G.J. 9—78538
Jacquinot, P., Klapisch, R. Hyperfine spectroscopy of radioactive atoms 9—72259
Jacquiot, P. *see* Fischer, C. 9—68003
Jacquot, B. Elimination of the electric charge and current as primitive notions 9—97552
Jacquot, B. *see* Bliman, S. 9—94080
Jacquot, C. *see* Bliman, S. 9—94080
Jacquot, P., Rastogi, P.K. Speckle motions induced by rigid-body movements in free-space geometry: an explicit investigation and extension to new cases 9—76590
Jacucci, G., Taylor, R. The calculation of vacancy formation energies in the alkali metals Li, Na and K 9—82197
Jadach, S., Jezabek, M. Gluon chains and multiquark hadrons 9—93337
Jadczyk, A. *see* Borowiec, A. 9—97235
Jadiya, B.L. *see* Beohar, B.K. 9—84935
Jae Koo Lee, Birdsall, C.K. Velocity space ring-plasma instability, magnetized. I. Theory 9—77368
Jae Koo Lee, Birdsall, C.K. Velocity space ring-plasma instability, magnetized. II. Simulation 9—77369
Jaeger, E.E., Hedrick, C.L., Ard, W.B. Radial transport in ELMO bumpy torus with constant edge neutral flux 9—98956
Jaeger, H. *see* Bruce, L.A. 9—99450
Jaeger, K. *see* Barish, S.J. 9—71742
Jaehne, E., Symko, O.G. Fine structure splitting of Gd in Au 9—56498
Jaekel, M.T. *see* Gervais, J.L. 9—75724
Jaen, H. *see* Kuroiwa, J. 9—88513
Jaenicke, R. On the dynamics of atmospheric Aitken particles 9—53413
Jaeschke, E., Ingwersen, H., Repnow, R., Walcher, T., Huck, B., Kolb, B. The first year of operation at the Heidelberg heavy-ion postaccelerator 9—72002
Jaeschke, E. *see* Repnow, R. 9—72214
Jaeschke, W., Stauff, J. The chemiluminescence of the SO_2 oxidation and its application to atmospheric chemistry 9—52670
Jafarey, S., Yung-Li Wang, Rauchwarger, K. Induced-moment singlet-triplet model: Relationship between the ground-state moment and the critical temperature 9—78282
Jafarey, S. *see* Rauchwarger, K. 9—73653
Jaffe, A. *see* Glimm, J. 9—71589
Jaffe, C., Reinhardt, W.P. Time-independent methods in classical mechanics: calculation of invariant tori and semiclassical energy levels via classical Van Vleck transformations 9—97225
Jaffe, D. *see* Wilson, T.L. 9—75263
Jaffe, R.L. Calculated rate constants for the reaction $ClO+O \rightarrow Cl+O_2$ between 220 and 1000K 9—79233
Jaffe, R.L. Quark dynamics 9—93366
Jaffe, R.L., Low, F.E. Connection between quark-model eigenstates and low-energy scattering 9—63525
Jaffe, R.L. *see* Komornicki, A. 9—98007
Jaffe, R.L. *see* Langhoff, S.R. 9—93914
Jaffe, R.L. *see* So-Young Pi 9—93442
Jaffe, S., DeMore, W.B. The photolysis of ClO_2 9—52724
Jaffe, W., Caldwell, J., Owen, T. The brightness temperature of Titan at 6 centimeters from the Very Large Array 9—101114
Jaffee, R.I. Metallurgical problems and opportunities in coal-fired steam power plants 9—52089
Jaffrain, M. *see* Brumant, J. 9—87438
Jaffre, M. *see* Bonetti, S. 9—49509
Jaffre, M. *see* Ciampolillo, S. 9—71739
Jaffre, M. *see* Pohl, M. 9—49507
Jaffrin, M.Y., Vanhoutte, C. Quantitative interpretation of arterial impedance plethysmographic signals 9—57742
Jafri, A.V. Design and development of physics curricula 9—97131
Jagadeesh, M.S. *see* Radhakrishna, S. 9—99355
Jagadish, B.S. Optimum tilt for the flat plate collector 9—62090
Jaganmohana Rao, J.V. *see* Srirama Rao, M. 9—88627
Jagannadham, K., Marcinkowski, M.J. Discrete dislocation analysis of a plastic shear crack 9—50659
Jagannadham, K., Marcinkowski, M.J. Discrete dislocation analysis of grain boundary energies 9—51115
Jagannadham, K., Marcinkowski, M.J. Behaviour of an edge dislocation in a semi-infinite solid with surface energy effects 9—55743
Jagannadham, K., Marcinkowski, M.J. Discrete dislocation analysis of cracks 9—64590
Jagannadham, K., Marcinkowski, M.J. Relationship between surface tension and energy, interfacial energy and lattice friction 9—69341
Jagannadham, K., Marcinkowski, M.J. Surface dislocation model of a finite stressed solid 9—73247
Jagannath, H., Sivaram, A., Ramachandra Rao, D., Venkateswarlu, P. Radiative decay rates in $LaF_3:Dy^{3+}$ 9—61415
Jagannathan, R., Vasudevan, R. Representations of a para-Bose algebra using only a single Bose field 9—49157
Jagannathan, R., Vasudevan, R. On kq representations in quantum mechanics 9—84990
Jager, B. *see* Ayasse, J.B. 9—51190
Jager, C.de *see* de Jager, C.
Jager, C.De *see* De Jager, C.
Jager, E.H. An engineering approach to calculating the lowest natural frequencies of thin conical shells 9—81770
Jager, E.M.de *see* de Jager, E.M.
Jager, H. *see* Schuller, K.-H. 9—90758
Jager, K. *see* Assmus, K.H. 9—54694
Jaggard, D.L., Mickelson, A.R. The reflection of electromagnetic waves from almost periodic structures 9—86109
Jagger, W.S. Local stimulation and local adaptation of single isolated frog rod outer segments 9—79528
Jaggi, N.K. A simple method for precise measurement of the ordering temperature and the order parameter exponent using the Mossbauer effect 9—51776
Jaggi, N.K., Rao, K.R.P.M., Iyengar, P.K. Mossbauer spectroscopy study of the ternary alloys Co_2FeGa and Fe_2CoGa: site preferences of Co and Fe 9—78577
Jaggi, S. *see* Tandon, P.N. 9—53169, 9—74790
Jago, R.A. Santa Catharina and the origin of cloudy taenite in meteorites 9—66968
Jagodic, F. *see* Kertesz, M. 9—49963
Jahn, L. Possible applications of the vibrating sample magnetometer (VSM) 9—93172
Jahn, R. *see* Gorgen, R. 9—59078
Jahne, E. *see* Flohrer, J. 9—51494
Jahne, H.-J. *see* Giesenbauer, J. 9—71432
Jahnig, F. Molecular theory of lipid membrane order 9—66452
Jahnig, F., Richter, P.H. Statistical mechanics of steady states 9—54038
Jahr, R. *see* Klein, H. 9—81096
Jain, A. Multibeam synthetic aperture radar for global oceanography 9—84506
Jain, A.C., Ghosh, A. Gas-particulate laminar boundary layer on a flat plate 9—77068
Jain, A.K. Symmetry determination of commensurate and incommensurate phases of K_2SeO_4 by EPR 9—78525
Jain, A.K., Sarma, N. DWIA calculation of the $^{16}O(\alpha, 2\alpha)$ reaction 9—63681
Jain, A.K., Sitharama Rao, T.L. Dynamic response of a novel solar water heater 9—62139
Jain, A.K. *see* Agnihotri, O.P. 9—56926
Jain, A.K. *see* Dubes, R. 9—98565
Jain, A.Kumar *see* Kumar Jain, A.
Jain, A.R., Deshipande, M.R., Sethia, G., Rastogi, R.G., Singh, M., Gurm, H.S., Janve, A.V., Rai, R.K. Geomagnetic storm effects on ionospheric total electron content in Indian zone 9—84576
Jain, A.R., Deshpande, M.R., Sethia, G., Rastogi, R.G., Singh, M., Gurm, H.S., Janve, A.V., Rai, R.K. Geomagnetic storm effects on ionospheric total electron content in Indian Zone. II. Evidence of equatorial electrojet control through fountain effect 9—88539
Jain, A.R., Iyengar, R.V. Experimental set-up and preliminary results of magnetic pulsational observations at Alibag 9—88488
Jain, A.R., Sastri, N.S. The H amplitude of sudden commencements of magnetic storms at Sabhawala (Dehra Dun) 9—66889
Jain, B.L., Gaur, J.N. Alkaloids as corrosion inhibitors for zinc in acid solution 9—57146

Jain, D. MUCOPS—a multigroup collision probability program for uniform slab lattices 9—89350

Jain, D. *see* Dwivedi, S.R. 9—85583

Jain, D.K., Garg, J.C. Space charge limited current in ferric oxide 9—51688

Jain, D.K., Garg, J.C. Temperature-dependent electrical conductivity of zinc oxide 9—91041

Jain, D.L., Kanwal, R.P. Scattering of elastic P and SV waves by a rigid elliptic cylindrical inclusion 9—76999

Jain, D.L., Kanwal, R.P. Scattering of elastic waves by circular cylindrical flaws and inclusions 9—86369

Jain, D.L. *see* Lal, B. 9—72452

Jain, D.L. *see* Sachdeva, B.K. 9—81776

Jain, D.L. *see* Vaid, B.K. 9—76542

Jain, D.V.S., Wadi, R.K., Saini, S.B., Singh, J. Excess volume of mixing for binary mixtures of pyridine, acrylonitrile, anisole and acetylacetone with carbon tetrachloride 9—57281

Jain, G.C. Trends in silicon solar-photovoltaic cells 9—61974

Jain, G.C., Das, B.K., Goel, N.C. Effect of MoO_3 addition on the grain growth kinetics of a manganese zinc ferrite 9—61550

Jain, G.C., Prasad, A., Chakravarty, B.C. On the mechanism of the anodic oxidation of Si at constant voltage 9—70184

Jain, K. New ion laser transitions in copper, silver, and gold 9—59673

Jain, K. A nickel-ion laser 9—86161

Jain, K. *see* Quint, D.W. 9—86212

Jain, K.M., Ghosh, A., Mallik, B., Misra, T.N. Semiconductive properties of organic compounds: gas adsorption effect on 9-nitroanthracene 9—65471

Jain, K.P., Jayanthi, C.S. Resonant Raman scattering at the indirect gaps of semiconductors 9—73931

Jain, M., Close, D.A., Evan, M.L. Gamma-ray spectral calculations for uranium well logging 9—53572

Jain, M. *see* Bonner, B.E. 9—67572

Jain, M.P., Reddy, A.R., Nagaratnam, A. Use of TLD in radiation protection survey of mobile mass-miniature radiography unit 9—62375

Jain, N. *see* Raju, S. 9—78217

Jain, N.C. *see* Goyal, M.C. 9—77059

Jain, P.C. Transport properties of argon according to LJ (12-6) potential 9—55437

Jain, P.C., Lohar, B.L. Unsteady mixed convection heat transfer from a horizontal circular cylinder 9—81879

Jain, P.C., Pandya, T.P. Interatomic potentials for krypton 9—68293

Jain, P.C. *see* Balchandani, M.K. 9—54094, 9—80579

Jain, P.C. *see* Bhide, V.G. 9—61460

Jain, P.C. *see* Holla, D.N. 9—72909

Jain, P.L., Das, G., Cheng, B.T., Aliakbar, Y. Clustering in multiparticle production in (2 to 1000) GeV/n hadron interactions 9—101037

Jain, R. *see* Misra, C.K. 9—91347

Jain, R.C. *see* Puri, G.G. 9—62024

Jain, R.K. Effect of inhomogeneities and finite boundaries on temperature distributions in a perfused medium, with application to tumors 9—62199

Jain, R.K. Transient temperature distributions in an infinite, perfused medium due to a time-dependent, spherical heat source 9—96520

Jain, R.K., Ganguly, A. On the strong (J, p_n)-summability of Fourier series 9—58525

Jain, R.K., Goswamy, S.K., Asthana, K.K. A study of the effect of natural weathering on the creep behaviour of glass fibre-reinforced polyester laminates 9—66107

Jain, R.K., Simha, R. Statistical thermodynamics of short chain molecular liquids: n-nonane 9—64974

Jain, R.K., Simha, R. Statistical thermodynamics of short chain molecular liquids. II. n-Heptadecane 9—73084

Jain, R.K. *see* Guedes, J.M.P. 9—82683

Jain, R.K. *see* Kaw, P.K. 9—53640

Jain, R.K. *see* Kochar, G.T. 9—60047, 9—90344

Jain, R.K. *see* Lind, R.C. 9—64271

Jain, S., Ghosh, D.K. Hartree-Fock theory of phase transitions in semiconductors 9—56136

Jain, S. *see* Mathur, P.C. 9—73530, 9—73531

Jain, S.C. *see* Dhariwal, S.R. 9—61996

Jain, S.K., Birbal Singh Effect of ionospheric density gradients on VLF propagation at low latitudes 9—88530

Jain, S.K., Gaur, H.C. Electrical conductance in molten salts. X. Potassium nitrate-cadmium nitrate mixtures 9—90813

Jain, S.K. *see* Shankar, R. 9—60004

Jain, S.P. *see* Sharma, M.K. 9—74424

Jain, S.V. *see* Magal, B.S. 9—57469

Jain, V.C., Shanker, J. Interionic forces in AgF, AgCl and AgBr crystals 9—82176

Jain, V.C. *see* Shanker, J. 9—65030, 9—91343

Jain, V.K. EPR of VO^{2+} in $Na_2Zn(SO_4)2.4H_2O$ 9—56606

Jain, V.K. Electron spin resonance of VO^{2+} in $(NH_4)_2SeO_4$ 9—61207

Jain, V.K. Role of high performance solar cells in practical photovoltaic systems 9—61978

Jain, V.K., Venkateswarlu, P. Electron paramagnetic resonance studies of VO^{2+} impurities in ferroelectric $LiH_3(SeO_3)_2$ 9—51846

Jain, V.K., Venkateswarlu, P. EPR of Mn^{2+} in hydrated double sulphates 9—51848

Jain, V.K., Venkateswarlu, P. Electron paramagnetic resonance and phase transition in $(NH_4)_2SeO_4$:Mn^{2+} single crystals 9—73805

Jain, V.K. *see* Eikman, E.A. 9—83908

Jain, Y.K., Padmanabhan, P. Albedo sensor for attitude sensing of rockets 9—101044

Jain, Y.K. *see* Rao, U.R. 9—84638

Jaine-I. Jane Loh *see* Nayfeh, A.H. 9—55031

Jakab, L. An improved approach for computing the $F_m(y)$ functions encountered in molecular quantum mechanics 9—63892

Jakas, M.M. Fluctuation in the spatial distribution of energy deposited by atomic particles 9—90709

Jakate, S.M. A search for beta Cephei stars. III. Photometric studies of southern B-type stars 9—71040

Jakate, S.M. A new class of early-type ultra-short-period variables 9—88662

Jakeways, R. *see* Clements, J. 9—91717

Jakimavicius, J.A. Investigation of the valence electron states in ZnS and ZnO using X-ray Compton profiles 9—65955

Jakimow, G. *see* Kalman, C.S. 9—67497

Jako, C., Hower, N., Simon, T. Installation and thermal design of synchrotron radiation beam ports at SPEAR 9—68034

Jako, G.J., Tigyi, G., Raghaven, M.V., Ducas, T.W., Ryan, L.W., Jr. Infrared absorption studies of tissue 9—79604

Jakobsen, H.J., Brey, W.S. Sensitivity enhancement in natural abundance proton-coupled ^{15}N NMR spectra using the selective population transfer method 9—95682

Jakobsen, H.J., Lund, T., Hansen, R.S., Daugaard, P. ^{13}C-{^1H,^{14}N} triple-resonance experiments. A useful technique in ^{13}C NMR of nitrogen-containing molecules 9—81219

Jakobsen, H.J., Lund, T., Sorensen, S. Relative signs of ^{13}C-X coupling constants from ^{13}C satellites in ^{13}C NMR spectra 9—94018

Jakobsen, H.P., Kon, M., Segal, I.E. Angular momentum of the cosmic background radiation 9—80374

Jakobson, M.J. *see* Jeppesen, R.H. 9—85533

Jakobson, S. *see* Croitoru, N. 9—66019

Jakobson, S. *see* Fischer, G. 9—81212

Jakobsson, B., Lindkvist, B., Otterlund, I. Ne-tungsten reactions at 340 MeV/nucleon 9—93661

Jakobsson, B. *see* Bhalla, K.B. 9—49636

Jakobsson, B. *see* Bondorf, J.P. 9—71863

Jakobsson, E. A fully coupled transient excited state model for the sodium channel. II. Implications for action potential generation, threshold, repetitive firing, and accommodation 9—57634

Jakobus, T. *see* Dornhaus, R. 9—82610

Jaks, W. Estimation of the polar motion from Doppler observations of the artificial Earth satellites 9—57843

Jakubczak, J., Mrozinska, Z., Pekalski, A. Critical temperature of mixed ferromagnetic and antiferromagnetic Ising systems with arbitrary spin 9—78407

Jakubczyk, E. *see* Calusinski, B. 9—54148, 9—71472

Jakubetz, W. Gas-phase muonium chemistry, isotope effects, and collision theory: theoretical investigations of the Mu+F_2 and Mu+Cl_2 reactions and their isotopic counterparts 9—57273

Jakubetz, W. *see* Connor, J.N.L. 9—57207, 9—74354

Jakubith, M. *see* Schmitz, B. 9—80658

Jakubowicz, H., Petrequin, P., Schaller, K. Design for elevated-temperature applications—the RAMSES recommendations 9—97763

Jakubowicz, O. *see* Rosen, G. 9—49065

Jakubowski, A., Krawczyk, S. Simple model of generation and recombination processes in semiconductor under illumination 9—69523

Jakubowski, A., Krawczyk, S. Subthreshold range of MIS-transistor under illumination conditions 9—69599

Jakubowski, A. *see* Duszak, M. 9—69598

Jakubowski, A. *see* Ruzyllo, J. 9—51675

Jakubowski, W. *see* Lachnik, E. 9—96650

Jalanko, M. *see* Kohonen, T. 9—59888

Jalenak, W. *see* Nogar, N.S. 9—74474

Jalenak, W.A., Nogar, N.S. Multiphoton laser-induced chemistry of trifluorobromomethane 9—91974

Jalenak, W.A., Schultz, D., Fisher, M., Nogar, N.S. Megawatt infrared laser photochemistry of ketene 9—83491

Jalink, A., Jr. *see* Wilson, R.G. 9—101048

Jallade, M. *see* Khairallah, A. 9—63723

Jallade, M. *see* Ravier, J. 9—97878

Jallai-Heravi, M., Webb, G.A. The use of MINDO/3 parameters in the calculation of boron and fluorine chemical shifts 9—93926

Jallali-Heravi, M., Webb, G.A. Some INDO/S parameterized calculations of nitrogen and oxygen screening constants 9—76449

Jallu, M.S. *see* Ahmad, M. 9—71723

Jalonen, L., Nygren, T. On the discrepancy between the magnetic D-component and the overhead horizontal current at high-latitudes 9—75037

Jaluria, Y. Fluid temperature and mixed convection effects in hot-wire measurements of natural convection flows 9—64817

Jaluria, Y. An experimental study of the interface of a condensing vapour region 9—69321

Jaman, A.I., Nandi, R.N. On centrifugal distortion and Urey-Bradley force field of chlorofluoromethane 9—89807

Jamba, D.M. *see* Wilson, R.G. 9—55770

Jamelot, G. *see* Guennou, H. 9—59384

James, A.N., McDonald, W.J., Cameron, J.M., Miller, C.A., Hutcheon, D.A., Kitching, P., Neilson, G.C., Stinson, G.M., Earle, E.D. Quasi-free collisions of 400 MeV protons in deuterium and carbon 9—93614

James, A.N. *see* Behbehani, A.H. 9—67621, 9—80896

James, A.N. *see* Rammo, N.R.F. 9—59318

James, B.W. *see* Morton, N. 9—65426

James, B.W. *see* Walsh, C.J. 9—98988

James, C.R. *see* McMullin, J.N. 9—64871

James, C.R. *see* Milroy, R.D. 9—55524

James, D., McKee, T.J., Skrlac, W. High magnification unstable resonator excimer laser 9—59716

James, D.B., Wetton, R.E., Brown, D.S. Polyether-metal salt complexes. I. The elevation of the glass transition temperature of polyethers by metal salts 9—69234

James, D.F., Saringer, J.H. Elongational flow of dilute Polyox solutions 9—60029

James, D.J. *see* Willis, C. 9—68390

James, D.R., Fletcher, N.R. Energies and J^π values of resonance in $^{12}C(^{16}O,^8Be)^{20}Ne$ reactions 9—93592

James, D.R. *see* Christophorou, L.G. 9—82031

James, G. Procedures used in the UK for the ceramographic examination of $(UPu)O_2$ oxide fuels for the Dounreay prototype fast reactor 9—49811

James, G.L. An approximation to the Fresnel integral 9—64150

James, H.G. Wave propagation experiments at medium frequencies between two ionospheric satellites. III. Z mode pulses 9—53646

James, H.G. *see* Muldrew, D.B. 9—58183

James, I.N. *see* Gibbon, J.D. 9—72898

James, L. *see* Holly, S. *(editor)* 9—59792

James, L.A. Frequency effects in the elevated temperature crack growth behavior of austenitic stainless steels—a design approach 9—83326

James, M.N.G. *see* Delbaere, L.T. 9—62178

James, M.R., Cohen, J.B. Geometrical problems with a position-sensitive detector employed on a diffractometer, including its use in the measurement of stress 9—85205

James, M.R., Sleeswyk, A.W. Temperature and strain rate sensitivity of the SD effect in saturation cycling 9—66094

James, M.R. *see* Cohen, J.B. 9—97484

James, P.B., Briggs, G., Barnes, J., Spruck, A. Seasonal recession of Mars' south polar cap as seen by Viking 9—84715

James, P.F. *see* Conzalez-Oliver, C.J.R. 9—55670

James, P.F. *see* Rowlands, E.G. 9—90564, 9—90565

James, P.L. *see* Evans, M.W. 9—99876

James, P.W., Hutchinson, P. Droplet deposition in an annular geometry 9—90311

James, R.A., Matthias, M. High burnup from natural uranium—the Candu experience 9—71894

James, R.A. *see* Sellwood, J.A. 9—53909

James, R.B., Smith, D.L. Theory of nonlinear infrared absorption in p-type germanium 9—65868

James, R.H. *see* Mohan, K. 9—76729

James, T.C. *see* Roche, A.E. 9—58232

James, T.H. The change in the concepts and outlook of the photographic scientist: 1928-1978 9—58513

James, T.L., Matson, G.B. Rotating frame spin-lattice relaxation in the presence of an off-resonance radiofrequency field. Scalar relaxation of ^{31}P in PBr_3 9—93193

James, T.N. *see* Mantle, J.A. 9—70684

James, W.B. *see* Bartram, C.I. 9—74745

James, W.J., Hardman, K., Yelon, W., Keem, J., Croat, J. Magnetic structure of $TbFe_3$ 9—78328

James, W.J. *see* Delapalme, A. 9—78322

James, W.J. *see* Godwin, L.M. 9—56541

James, W.J. *see* Kny, E. 9—82467

Jameson, A.K., Jameson, C.J. Isotope effects in ^{31}P NMR of phosphine 9—76451

Jameson, A.K. *see* Jameson, C.J. 9—85976

Jameson, A.R., Srivastava, R.C. Dual-wavelength Doppler radar observations of hail at vertical incidence 9—79952

Jameson, A.R. *see* Srivastava, R.C. 9—100972

Jameson, C.J., Jameson, A.K., Parker, H. Gas-to-liquid shifts in NMR and the validity of the second virial coefficient of chemical shielding 9—85976

Jameson, C.J. *see* Jameson, A.K. 9—76451

Jameson, G.J. *see* Sandhu, N. 9—64750

Jameson, R.A. High-intensity deuteron linear accelerator (FMIT) 9—71991

Jameson, R.A. *see* Sander, O.R. 9—72153

Jameson, R.A. *see* Staples, J.W. 9—72003

Jameson, R.F., Akinci, R. 1.2 and 2.2 micron light curves of WUMa type stars 9—84822

Jamet, J.-P. *see* Seiden, J. 9—61198

Jamet, P. *see* Bonnerot, R. 9—81701

Jamieson, J. *see* Armstrong, D.R. 9—95330

Jamieson, J.C. *see* Rimai, D.S. 9—73239

Jamieson, J.C. *see* Yagi, T. 9—69050

Jaminon, M. *see* Beckers, J. 9—85239

Jamison, K.A. *see* Gardner, R.K. 9—78794

Jamison, K.A. *see* Hall, J.M. 9—61465

Jamison, K.A. *see* Tawara, H. 9—76379

Jamison, K.A. *see* Thomson, G.M. 9—52805

Jamison, S.A., Nurmikko, A.V. Avalanche formation and high-intensity infrared transmission limit in InAs, InSb, and $Hg_{1-x}Cd_xTe$ 9—78684

Jamison, W.E., Lee, C.C., Kauzlarich, J.J. Elasticity effects on the lubrication of point contacts 9—52379

Jammu, K.S. *see* Hollinger, A.B. 9—64006

Jamnik, D. *see* Axel, P. 9—72042

Jamroz, W., Gorski, P. Electrooptical properties of monoclinic DKDP single crystals 9—82951

Jamshidi, M. *see* Kai-ching Chu 9—57542

Jan, G.J., Perng, C.C., Liou, M.K. p-^{12}C bremsstrahlung 9—80937

Jan, J.-P. *see* Dunsworth, A.E. 9—69396

Jan, N. Kadanoff's variational approximation applied to the 2-D antiferromagnetic Ising lattice 9—73659

Jan, R. *see* Garzarolli, F. 9—67872

Jan, Y.Le *see* Le Jan, Y.

Jan de Chene, R. *see* de Klasz, I. 9—84276

Jana, D.C. *see* Sen, S.N. 9—82030

Janacek, J., Kolarik, J. Secondary relaxations of swollen polymethacrylates and methacrylate copolymers 9—57032

Janacek, J., Kolarik, J., Vacik, J., Kopecek, J. Mechanical responses of 2-hydroxyethyl methacrylate-methacrylonitrile and 2-hydroxyethyl methacrylate-acrylonitrile copolymer networks 9—57031

Janacek, J. *see* Kolarik, J. 9—57033

Janai, M., Allred, D.D., Booth, D.C., Seraphin, B.O. Optical properties and structure of amorphous silicon films prepared by CVD 9—52035

Janas, A. *see* Zborowska, M. 9—52409

Janca, J., Mrkvickova, L. Some aspects of data treatment in the gel permeation chromatography of polymers 9—92037

Jancarik, J. *see* Gentle, K.W. 9—90442

Jancic, M. *see* Backovic, N. 9—90907

Jancovici, B. Pair correlation function in a dense plasma and pycnonuclear reactions in stars 9—67001

Jancovici, B. *see* Alastuey, A. 9—86558

Jancso, G. *see* Albrow, M.G. 9—75805

Janda, K.C., Bernstein, L.S., Steed, J.M., Novick, S.E., Klemperer, W. Synthesis, microwave spectrum, and structure of $ArBF_3$, BF_3CO, and N_2BF_3 9—76420

Jander, H.P., Villar, J.S., Kashlan, B.M., Witten, D.M. Selective angiography in renal and peri-renal inflammatory lesions: correlation with histopathology 9—74740

Jandl, S., Deville Cavelin, C., Harbec, J.Y. Raman spectra of SrS_2 9—87447

Jandrasi, J.S., Kleiner, C.T. Power distribution study for a 5-GW space power satellite 9—52894

Jandt, E. *see* Bothe, W. 9—68000

Jane Loh Jaine-I. *see* Jaine-I. Jane Loh

Janecke, J. *see* Becchetti, F.D. 9—67694

Janeschitz-Kriegl, H. *see* Koeman, B. 9—63293

Jang, J. *see* Shirachi, D. 9—83770

Jang, S. *see* Brut, F. 9—85352

Jang, S. *see* Mankoc-Borstnik, N. 9—89220

Jang, S.J. *see* Nomura, S. 9—87395

Janiaud, D., Nissim, L., Gagnepain, J.-J. Analytical calculation of initial stress effects on anisotropic crystals: application to quartz resonators 9—55300

Janic, I. *see* Czajko, J. 9—59494

Janicki, J.S. *see* Klip, W. 9—62279, 9—79576

Janicki, M. *see* Alkhazov, G.D. 9—75957

Janik, B. *see* Krasser, W. 9—56805

Janik, J.A., Janik, J.M., Migdal-Mikuli, A., Mikuli, E., Otnes, K., Svare, I. Study of molecular rotations in solid $[Mg(NH_3)_6](ClO_4)_2$ by the Raman contour, quasielastic neutron scattering and proton magnetic resonance 9—87444

Janik, J.A., Krawczyk, J., Janik, J.M., Otnes, K. Critical studies of molecular reorientation is oriented PAA with various kinds of deuteration 9—86705

Janik, J.A. *see* Czarniecka, K. 9—61353

Janik, J.M. *see* Czarniecka, K. 9—61353

Janik, J.M. *see* Janik, J.A. 9—86705, 9—87444

Janik, R. *see* Chundy, M. 9—89519

Janini, G.M., Muschik, G.M., Hanlon, C.M. Synthesis, thermodynamic properties, and gas-liquid chromatographic evaluation of a high-melting liquid crystal series 9—90763

Janis, A.I. *see* Grunbaum, A. 9—97175

Janitschek, F. Nonconventional power generation, combined power/heating cycle, heat pumps, and waste heat utilization 9—87981

Janitzki, A.S., Hoffmann, B., Gerthsen, P. Sintering behavior of doped-undoped ceramic $BaTiO_3$ composites 9—100094

Jank, K. *see* Demeester, M. 9—62404

Janke, E. *see* Day, P. 9—61082

Janke, R. On a method for the measurement of the saturation magnetisation of gyromagnetic materials at microwave frequencies 9—67357

Janke, W., Kleinert, H. Summing paths for a particle in a box 9—71279

Jankhah, M.H., Tsoulfanidis, N. Comparison of economic performance of LMFBR and GCFR radial blankets 9—49654

Jankhah, M.H. *see* Tsoulfanidis, N. 9—59163

Jankowiak, R., Kalinowski, J., Konys, M., Buchert, J. Solid-state transitions in crystalline tetracene 9—99865

Jankowska, A. *see* Grus, M. 9—51897

Jankowska, H., Swiatkowski, A., Wisniewska, E., Gaczynski, R., Szrodt, J., Dmowska-Zelazowska, A. Studies on the properties of carbon black after its extraction with organic solvents 9—70010

Jankowska, J. *see* Mikke, K. 9—51769

Jankowski, A.L. *see* Adamczewski, W. 9—67299

Jankowski, D.F. *see* Truman, C.R. 9—77136

Jankowski, J. Balance for measuring very small weights 9—80583

Jankowski, J. *see* Grysa, K. 9—63032

Jankowski, K., Malinowski, P., Polasik, M. Electron pair correlation energies for Zn^{2+} 9—93927

Jankowski, K. *see* Cline, D.B. 9—68005

Jankowski, K. *see* Malinowski, P. 9—97985

Janner, A., Janssen, T., de Wolff, P.M. Bravais classes and superspace groups for the classification of structures with a one-dimensional modulation 9—94938

Jannink, G. *see* Boue, F. 9—50956

Jannink, G. *see* Nierlich, M. 9—77484

Jannitti, E., Cantu, A.M., Grisendi, T., Pettini, M., Tozzi, G.P. Absorption spectrum of Au I in the vacuum ultraviolet 9—93947

Jannitti, E., Nicolosi, P., Tondello, G. Stigmatic observations of laser-produced plasmas with a grazing-incidence spectrograph 9—73041

Jannitti, E. *see* Cantu, A.M. 9—49973

Jannitti, E. *see* Malvezzi, A.M. 9—50889

Jannussis, A.D., Brodimas, G.N., Papaloucas, L.C. New creation and annihilation operators in the Gauss plane and quantum friction 9—67183

Jannussis, A.D., Brodimas, G.N., Streclas, A.A. Quantum friction in a uniform magnetic field 9—67180

Jannussis, A.D., Leodaris, A.D., Brodimas, G.N. Study of the Stark and Zeeman effects in parabolic coordinates 9—63957

Janocko, M.A., Blaugher, R.D., Eckels, P.W. Flow characteristics of forced-flow Nb_3Sn conductors for toroidal-field coils 9—58741

Janocko, M.A. *see* Murphy, J.H. 9—63236

Janossy, A. *see* Holczer, K. 9—69501, 9—73500, 9—78608, 9—91340

Janossy, A. *see* Mihaly, G. 9—78088, 9—87089

Janossy, A. *see* Silsbee, R.H. 9—78521

Janossy, M. *see* Rozsa, K. 9—99017

Janousek, B.K., Brauman, J.I., Simons, J. An experimental and theoretical determination of the electron affinity of the ethynyl radical, HC_2 9—98166

Janovec, V. *see* Glogarova, M. 9—99068

Janowa, L.P. *see* Kusnezow, W. 9—100365

Janowitz, G.S. *see* Pietrafesa, L.J. 9—96834

Janse, P.H. *see* Groenink, J.A. 9—90648

Jansen, A.G.M. *see* Van Gelder, A.P. 9—56441

Jansen, F., Hoffman, R.W. The surface structure factor of evaporated Cu films 9—69381

Jansen, H.B., Meeuwis, A., Pyykko, P. Spectral density analysis of nuclear spin-spin coupling. III. Scanning molecular orbital studies for $^1J_{X\text{-}X}$ in X_2H_n, X=C, Si, N, P 9—50045

Jansen, H.-J. *see* Haase, R. 9—60515

Jansen, J. *see* Arvieux, J. 9—85512

Jansen, J. *see* Bolger, J. 9—85515

Jansen, J. *see* Lunke, C. 9—85537

Jansen, J. *see* Preedom, B.M. 9—97677

Jansen, J.A.J. *see* Martin, G.M. 9—56819

Jansen, J.F.W., de Voigt, M.J.A., Sujkowski, Z., Chmielewska, D. In-beam γ-ray studies of complex band structures and of isomeric states in ^{152,153}Dy nuclei 9—67624

Jansen, J.F.W. *see* Chmielewska, D. 9—93960

Jansen, J.F.W. *see* Hageman, D.C.J.M. 9—71784

Jansen, K. *see* Mitchell, M.B. 9—68228

Jansen, L. *see* Bonchez, P. 9—93912

Jansen, P. *see* Hennies, H.H. 9—71895

Jansen, P. *see* Levay, B. 9—87521

Jansky, B. *see* Prouza, Z. 9—68113

Janson, C.M. *see* Brimm, J.E. 9—70673

Janson, J. Damage model of creep-fatigue interaction 9—77008

Janson, J.L., Rachko, Z.A. Nature of impurity-induced UV luminescence of MgO crystals 9—83037

Janson, M.L. *see* Kraulinya, E.K. 9—76474

Janson, T.R., Katz, J.J. A biomimetic approach to solar energy conversion 9—52914

Janssen, A.P. *see* El Gomati, M.M. 9—85204

Janssen, F. Determination of plastics additives with the aid of mass spectrometry 9—87893

Janssen, H.J., Flerackers, E.L.M. Beats: an interference phenomenon 9—75307

Janssen, L.P.B.M., Janssen-van Rosmalen, R. An analysis of flow induced formation of long fibers 9—78927

Janssen, P.A.E.M., Boeschoten, F. An investigation of the positive column of a hollow cathode arc in a magnetic field. II 9—90494

Janssen, T. *see* Janner, A. 9—94938

Janssen-van Rosmalen, R. *see* Janssen, L.P.B.M. 9—78927

Janssens, G. *see* Van Hecke, P. 9—65755

Janssens, P., Tolley, M.D. On the deformation of elastic plates 9—64538

Janssens, P. *see* Bastin, H. 9—76047

Janssens, R.V.F., Venema, W.Z., Van Klinken, J. Weak γ-ray transitions observed in coincidence with summed cascades 9—76264

Jansson, E.V. *see* Gabrielsson, A. 9—50537

Jansson, R.E.W. Flow field in the rotating electrolyser 9—52682

Janszky, J., Turchanyi, G. On the spectrum of the F-centres in the neighbourhood of charged dislocations 9—56256

Jantz, W., Wettling, W., Schnieder, J. Investigation of spin waves in YIG and $FeBO_3$ 9—99696

Jantz, W. *see* Patton, C.E. 9—82875

Jantz, W. *see* Wettling, W. 9—73956, 9—78529

Jantzen, C.M., Herman, H. Phase equilibria in the system SiO_2-Al_2O_3 9—77724

Janusonis, G.A. Sensitization of photographic film in elevated-temperature hydrogen gas and its development. I 9—61885

Janusonis, G.A. *see* Costa, L.F. 9—61886

Januszczyk, M. *see* Pietrzak, J. 9—91583

Janve, A.V., Kumar, V., Rai, R.K. Nature of high random and anisotropic ionospheric irregularities at low latitudes 9—88532

Janve, A.V. *see* Jain, A.R. 9—84576, 9—88539

Janve, A.V. *see* Rastogi, R.G. 9—53633

Janz, G.J., Allen, C.B., Bansal, N.P., Murphy, R.M., Tomkins, R.P.T. Physical properties data compilations relevant to energy storage. II. Molten salts: Data on single and multi-component salt systems 9—92090

Janz, G.J., Tomkins, R.P.T., Allen, C.B. Molten salts (Vol.IV). IV. Mixed halide melts. Electrical conductance, density, viscosity, and surface tension data 9—60531

Janzen, D., Munk, M., Leaver, B., DeLand, P. Application of a discrete wavelength HPLC detector at 214 mm 9—75595

Janzen, J. The refractive index of colloidal carbon 9—66363

Jaoul, O. *see* Durham, W.B. 9—79827

Jap, B.K. *see* Sheinin, S.S. 9—50961

Japaridze, K.G. *see* Elashvili, Z.M. 9—86682

Jaque, F. *see* Cusso, F. 9—51302

Jaquemar, C. Computer-based interpretation of heating and cooling phenomena in steel production and heat treatment 9—78995

Jara, D.Rios *see* Rios Jara, D.

Jaramillo, J.G. *see* Lytle, J.D. 9—76771

Jarczyk, L. *see* Bodek, K. 9—76015

Jardin, C., Bui Minh Duc, Gauthier, J.P., Michel, P. Characterisation of the chromium-oxygen bonding studied by high resolution Auger electron spectrometer 9—100468

Jardin, S.C. *see* Hirshman, S.P. 9—64896

Jardin, S.C. *see* Johnson, J.L. 9—82091

Jardinier-Offergeld, M. *see* Van Steene, G. 9—66065

Jarecki, L., Ziabicki, A. Thermodynamically-controlled crystal orientation in stressed polymers. II. Effect of free energy of the amorphous chains surrounding an intramolecular crystal in a crosslinked system 9—94923

Jares, A. *see* McKee, T.J. 9—59715

Jaric, M.V., Belic, M. Mean-field theory of ferromagnetic superconductors 9—65586

Jarjis, R.A. Fluorine concentration profile determination in MAGNOX reactor fuel canning material 9—92035

Jarl, M. A calculation of the equilibrium between γ-Mn and the hexagonal ζ-phase in the Mn-N system 9—61565

Jarl, M. *see* Hillert, M. 9—61116

Jarlborg, T. Analysis of LMTO band results for A15 compounds by pressure calculations 9—65356

Jarlborg, T. *see* Freeman, A.J. 9—73630

Jarlov, A., Mygind, T. Ventricular volumes determined from indicator dilution curves 9—57696

Jarlskog, C. Inherent mixings in the grand unified SU(5) model and proton lifetime 9—49441

Jarlskog, C. *see* Georgi, H. 9—97560

Jarlskog, G. *see* Albrow, M.G. 9—75805

Jarlykow, B.W. *see* Optow, W.A. 9—99347

Jarman, R.A., Smith, S., Williams, R.A. Simple and inexpensive test rig for determining basic S-N data of welded joints in a corrosive environment 9—66227
Jarmer, J.J. *see* Court, G.R. 9—63832
Jarmer, J.J. *see* Willard, H.B. 9—63502
Jarmie, N. *see* Schmelzbach, P.A. 9—75966
Jarnagin, R.C. *see* McLean, W. 9—69359
Jarnagin, R.C. *see* Schultz, J.A. 9—76541
Jaron, D. *see* Kao, C. 9—79594
Jaron, D. *see* Kuklinski, W.S. 9—96711
Jaron, D. *see* Ohley, W. 9—96600
Jaroniec, M. Effects of lateral interactions and surface heterogeneity in kinetics of adsorption from multicomponent gas mixtures 9—90890
Jaroniec, M. *see* Borowko, M. 9—56073
Jaros, G.G., Coleman, T.G., Guyton, A.C. Model of short-term regulation of calcium-ion concentration 9—83725
Jaros, J.A. *see* Abrams, G.S. 9—89149, 9—89174
Jaros, J.A. *see* Piccolo, M. 9—93439
Jaros, J.A. *see* Rapidis, P.A. 9—75780
Jaros, M., Rodriguez, C.O., Brand, S. Self-consistent pseudopotential calculation of electronic states associated with a reconstructed silicon vacancy 9—73465
Jaros, M. *see* Brand, S. 9—90990
Jaros, M. *see* Lang, D.V. 9—65517
Jaros, M. *see* Rodriguez, C.O. 9—73469
Jarosewich, E. *see* Dodd, R.T. 9—88629
Jarosik, N. *see* Reichert, J.F. 9—60582
Jaroslavski, L.P., Merzlyakov, N.S. Information display using the methods of digital holography 9—72529
Jaroszewicz, T., Kwiecinski, J., Lesniak, L., Zalewski, K. Implications of the Glauber model for inelastic hadron-nucleus scattering 9—75930
Jaroszewski, A. A new method for determination of frequency selectivity in post-stimulatory masking 9—53155
Jaroszewski, A., Rakowski, A., Zera, J. Opening transients and the quality of classic guitars 9—68516
Jaroszyk, F., Krajewski, T. Influence of radiation defects on the thermal diffusivity coefficient, cooling constant and heat transmission coefficient of TGS crystal 9—86935
Jarratt, J.C., Marcar, H., Minick, J.T. Photo-embossed alphameric character and graphical representations 9—80710
Jarretou, H. *see* Berlin, C. 9—97858
Jarrett, A.R. *see* Brenizer, J.S., Jr. 9—54610
Jarrett, J.D. Geometric properties of crystal lattices in spaces of arbitrary dimension 9—90588
Jarrett, S.M., Young, J.F. High-efficiency single-frequency CW ring dye laser 9—72589
Jarrin, M. *see* Hagege, R. 9—73107
Jarsch, V., Onnen, S., Polster, F.-J., Woit, J. An approach to a generalized real-time nuclear materials control system 9—89449
Jarvis, D.A. *see* Chadwick, P. 9—59940
Jarvis, J.F. *see* Tyson, J.A. 9—71120
Jarvis, O.N., Sherwood, A.C., Whitehead, C., Lucas, M.W. Channeling of fast protons, deuterons, and α particles 9—86826
Jarvis, P.D. *see* Dondi, P.H. 9—67490
Jarzynski, J. *see* Corsaro, R.D. 9—98535
Jascanu, V. *see* Gropsian, Z. 9—81693
Jaschke, W. *see* Gerhardt, P. 9—83921
Jaschke, W.R., van Kaick, G. Image quality and dose requirements in mammography 9—79646
Jaschul, J. An approach to speaker normalization for automatic speech recognition 9—68512
Jaseviciute, J. *see* Danielius, R. 9—55187
Jasicek, H. *see* Eder, G. 9—76042
Jasicek, H. *see* Preisinger, K. 9—75980
Jasicek, H. *see* Ratel, G. 9—75981
Jasielska, A., Wiktor, S. The shell model calculations of ^{42}Ca and ^{42}Sc states with inclusion of $1g_{9/2}$ orbit 9—80873
Jasienski, Z. *see* Styczynski, A. 9—100158
Jasinski, A., Stachurowa, M. Calculation of effective decay time T_{2e} for NMR multipulse experiments in solids containing reorienting molecular groups 9—61238
Jasinski, J.M. *see* Rosenfeld, R.N. 9—94043
Jasinski, R. On the growth of cathodic n-heptylviologen radical cation films 9—69999
Jaske, M.R. *see* Weatherwax, R.K. 9—79367
Jaskovich, B. *see* Dubinsky, B.A. 9—96909
Jaskulski, J. AC circuits for measuring low temperatures by means of platimum thermometers 9—97389
Jasnow, D. *see* Ohta, T. 9—95242
Jassby, D.L. A small-aspect-ratio torus for demonstrating thermonuclear ignition 9—71966
Jassby, D.L. Comparison of neutron yields in experimental fusion devices 9—85795
Jassby, D.L., File, J., Bronner, G., Clarke, J.R., Johnson, H.G., Martin, G.D., Murray, J.G., Okabayashi, M., Price, W.G., Jr., Rogoff, P., Singer, C.E., Stewart, L.D., Bundy, J.J., Grafnick, S.L., Luzzi, T., Marino, J.D., Sedgeley, D., Eckels, P., Gaberson, P., Murphy, J., Hay, R.D., Lind, K.E., Paulson, C., Fuller, G.M., Gaines, A.L. SLPX—superconducting long-pulse Tokamak experiment 9—50898
Jassby, D.L., Furth, H.P., Reardon, P.J., Cohn, D.R., Williams, J.E.C. High-density Tokamak design studies for TFTR-II 9—71962
Jassby, D.L. *see* Cohn, D.R. 9—71971
Jasse, B., Chao, R.S., Koenig, J.L. Laser Raman scattering in uniaxially oriented atactic polystyrene 9—73920
Jasse, B., Koenig, J.L. Fourier transform infrared analysis of the stereoregularity of atactic polystyrene 9—59612
Jasse, B. *see* Froelich, B. 9—73258
Jastrabik, L. *see* Pacesova, S. 9—87490
Jastrabik, L. *see* Pacesova, S.J. 9—83035
Jastreboff, P.J. Evaluation and statistical judgement of neural responses to sinusoidal stimulation in cases with superimposed drift and noise 9—88068
Jastrzebski, L., Lagowski, J., Gatos, H.C. Quantitative determination of the carrier concentration distribution in semiconductors by scanning IR absorption: Si 9—61356
Jastrzebski, L. *see* Walukiewicz, W. 9—56218, 9—99545
Jaszczuk, J. *see* Machaj, B. 9—97955
Jatchkov, N. *see* Georgiev, J. 9—65203
Jauffret, C., Cortois, J. Faddeev equations for four-body atomic problems in the momentum representation 9—59524
Jauffret, C., Cortois, J. Faddeev equations for four-body atomic problems and solutions for the Li^6 system 9—59569
Jauhri, S.M. *see* Gupta, C.L. 9—70437
Jaul, W.K. *see* Kerber, R.L. 9—98338
Jaulmes, S. *see* Alapini, F. 9—78946
Jaulmes, S. *see* Flahaut, J. 9—86757
Jaulmes, S. *see* Julien-Pouzol, M. 9—69063
Jaulmes, S. *see* Mazurier, P.A. 9—60316
Jaun, H. *see* Rossmanith, H.P. 9—83296
Jauncey, D.L. *see* Haynes, R.F. 9—75296
Jauncey, D.L. *see* Peterson, B.A. 9—97060
Jauncey, D.L. *see* Wright, A.E. 9—92886
Jaunich, S. *see* Hewson, P.W. 9—58506
Javan, A. *see* Liu, K.C. 9—99635
Javanaud, C. Formaldehyde in rho Ophiuchi. I 9—71100
Javaraman, A., Maines, R.G. Study of the valence transition in Eu-, Yb-, and Ca-substituted SmS under high pressure and some comments on other substitutions 9—73551
Javdani, K. *see* Faghri, M. 9—94621
Javelas, R. *see* Canellias, M. 9—92063
Javoy, M. *see* Robert, F. 9—88628
Jawalekar, S.R., Rao, M.K. Photoconductivity in evaporated CdSe films 9—95442
Jawalekar, S.R. *see* Reddy, P.K. 9—67249
Jay-Gerin, J.-P. *see* Lakhani, A.A. 9—56118
Jayadevon, N.G., Hadap, R.G., Chackraburtty, D.M. The oxidation behaviour of 30 wt.% PuO-UO_2 solid solution 9—66210
Jayanthi, C.S. *see* Jain, K.P. 9—73931
Jayaprakash, C. *see* Grinstein, G. 9—61129
Jayarajan, A. *see* Anderson, R.N. 9—70453
Jayarama Reddy, P. *see* Naidu, B.S. 9—78229
Jayaraman, A. High pressure studies: metals, alloys and compounds 9—69193
Jayaraman, G. *see* Ghista, D.N. 9—53179, 9—79590, 9—92268
Jayaraman, S., Susane, J.B., Viswanathan, P.S., Ravichandran, R. Correction of 'in-phantom' calibration 9—62372
Jayaraman, V. *see* Rao, U.R. 9—84638
Jayasinghe, N.R. *see* Bell, K. 9—92534
Jayatilaka, A. De S. *see* Trustrum, K. 9—55344
Jayson, M.I.V. *see* Shah, J.S. 9—100646
Jazayeri Naseri, M.A. *see* Singh, P. 9—62152
Jean, A.G., Heckman, G.R., Hornback, C.E. Solar terrestrial environment monitoring and forecasting at the NOAA, Space Environment Laboratory, Boulder, Colorado 9—58097
Jean, B. *see* Mai, H.H. 9—90482
Jean, O.C., Rives, J.M. Spacelab payload: data acquisition and communications 9—84643
Jean, Y.C., Brewer, J.H., Fleming, D.G., Garner, D.M., Walker, D.C. Determination of the effective charge on muonium during its reaction in aqueous solution 9—57275
Jean, Y.C., Fleming, D.G., Ng, B.W., Walker, D.C. Reaction of muonium with O_2 in aqueous solution 9—100422
Jean, Y.C. *see* Walker, D.C. 9—70358
Jean-Louis, A.M. *see* Blanconnier, P. 9—51458
Jean-Marie, B. *see* Cosme, G. 9—58968
Jeandel, D. *see* Vignon, J.-M. 9—81849
Jeandey, Cl. *see* Devreux, F. 9—82883
Jeanguillaume, C., Trebbia, P., Colliex, C. About the use of electron energy-loss spectroscopy for chemical mapping of thin foils with high spatial resolution 9—61934
Jeanmart, L. *see* Marchal, G. 9—66551
Jeanne-Michaud, A. *see* Epelboin, Y. 9—50940
Jeanney, C. *see* Allemand, L. 9—81126
Jeannot, A. *see* Gourdon, J. 9—76099
Jeanson, P. *see* Beslu, P. 9—59182
Jeavons, A.P. *see* Manuel, A.A. 9—65359
Jedamzik, D. *see* Uelhoff, W. 9—74081
Jedamzik, J. *see* Steinike, U. 9—64995
Jedlicka, M. Photon detectors for optical communications 9—50396
Jednacak-Biscan, J., Mikac-Dadic, V., Pravdic, V., Haller, W. Surface conductivity of glass at the solid/liquid interface 9—78152
JeDrewal, W. *see* Optow, W.A. 9—99347
Jedrzejek, C. *see* Moser, Z. 9—83176, 9—91631
Jedwab, J. Copper, zinc and lead minerals suspended in ocean waters 9—74904
Jeevananda Reddi, S., Prakasha Rao, G.S. A method of forecasting the weather associated with western disturbances 9—100903
Jefferies, D.J. *see* Challis, L.J. 9—60441
Jeffers, S. *see* Weller, W.G. 9—58352
Jeffers, W.A., Jr. *see* Lau, S.C. 9—56020
Jefferson, D.A., Thomas, J.M. Topotactical dehydration of chloritoid 9—51057
Jefferson, D.A., Thomas, J.M., Smith, D.J., Camps, R.A., Catto, C.J.D., Cleaver, J.R.A. Individual silicate chains in wollastonite by high resolution electron microscopy 9—100829
Jefferson, D.A. *see* Thomas, J.M. 9—50965
Jeffress, L.A. Pedestal experiments: amplitude versus power 9—68524
Jeffrey, A., Donato, A. On the influence of initial conditions on the motion of water confined within a tank 9—50746
Jeffrey, K.R. *see* Shenoy, R.K. 9—80657
Jeffreys, D.A., Smith, A.T. The polarity inversion of scalp potentials evoked by upper and lower half-field stimulus patterns: latency or surface distribution differences? 9—100602
Jeffreys, P.W. *see* Bourquin, M. 9—71768
Jeffries, H.E. *see* Kuhlman, M.R. 9—74925
Jeffs, E. Doublet III points route to commercial fusion power 9—85763
Jegerlehner, F. The vector boson and graviton propagators in the presence of multipole forces 9—85207
Jegorov, A.I. *see* Altarev, I.S. 9—67551
Jehanno, G. *see* Sanchez, J.P. 9—91320
Jehenson, P. *see* Crutzen, S. 9—85677
Jehn, H. Behaviour of rare-earth metals in oxygen-containing atmospheres 9—57136
Jehn, H. *see* Fromm, E. 9—55879
Jeitschko, W., Ruhl, R. Synthesis and crystal structure of diamagnetic ReP_4, a polyphosphide with Re-Re pairs 9—99124
Jeitschko, W. *see* Ruhl, R. 9—65055
Jeje, A.A. Rates on spontaneous movement of water in capillary tubes 9—65295
Jeker, W. *see* Brunet, J.-C. 9—76211
Jelatis, G.J., Roth, J.A., Maynard, J.D. Observation of fifth sound in a planar superfluid ^{4}He film 9—60570
Jelenc, P.C., Cantor, C.R., Simon, S.R. High yield photoreagents for protein crosslinking and affinity labeling 9—96517
Jelenkovic, B. *see* Andresen, B. 9—50127
Jelenska, M., Kadzialko-Hofmokl, M., Kruczyk, J. Paleomagnetic studies of sedimentary rocks from the Hornsund region Spitsbergen 9—66607
Jelenska, M., Kadzialko-Hofmokl, M., Kruczyk, J., Vincenz, S.A. Thermomagnetic properties of some Late Mesozoic diabase dikes of South Spitsbergen 9—92528
Jelffs, P.A.M. Accuracy of custody transfer measurement 9—68845
Jelinek, F. *see* Bahl, L.R. 9—64421
Jelinek, H.F. *see* Hins, A.G. 9—89477
Jelinek, J., Neufeld, P., Pickup, G.A. Plastic deformation and pitting corrosion of mild steel in neutral media 9—52415
Jelinek, J. *see* Malek, Z. 9—70699
Jelitto, R.J. *see* Bunger, M. 9—91202
Jelitto, R.J. *see* Dorre, P. 9—75452
Jelley, N.A., Armour, I.A., Myers, E.G., Silver, J.D., Bashkin, S., O'Brien, R. Lamb shift and fine structure in $1s3s^3S$-$1s3p^3P$ transitions in helium-like oxygen 9—89637
Jelley, N.A. *see* Trabert, E. 9—59545
Jellinek, F. *see* Brouwer, R. 9—94967
Jellinek, F. *see* Rijnsdorp, J. 9—65040
Jellison, G.E., Jr. NMR studies of amorphous phosphorus 9—69740
Jellison, G.E., Jr., Bishop, S.G. Nuclear spin-lattice relaxation in thallium-containing chalcogenide glasses 9—95671
Jellison, G.E., Jr., Petersen, G.L., Taylor, P.C. Tunneling modes and local structural order in amorphous arsenic 9—61261
Jeltema, B. *see* Miller, P. 9—54668
Jen, S. *see* Hsu, Y. 9—78070
Jen-Fa Min *see* Chien-Er Lee 9—80793
Jen-Shih Chang, Keskinen, K., Hobson, R.M. The effect of plasma drift and of inadequate reference electrode on electron energy distribution measurements by an electrostatic probe 9—86613
Jen-Shih Chang *see* Ogram, G.L. 9—60191
Jena, A.von *see* von Jena, A.
Jena, A.Von *see* Von Jena, A.
Jena, P. Electronic structure of hydrogen-like impurities in nearly-free-electron metals 9—56653
Jena, P. *see* Burch, T.J. 9—69732
Jenc, F. The conceptual analysis (CA) method in theories of microchannels: application to quantum theory. I. Fundamental concepts 9—84981
Jenderny, J. *see* Hansmann, I. 9—79607

Jendrzejczyk, J.A. *see* Chen, S.S. 9—81838
Jengo, J.A., Mena, I., MacDonald, N., Criley, J.M. Evaluation of left ventricular function (ejection fraction and segmental wall motion) by single pass radioisotope angiography 9—74749
Jengo, R. *see* Gava, E. 9—54020
Jenkins, C.E. *see* Schneider, K.J. 9—49821
Jenkins, D.A., Plaskett, T.S., Chaudhari, P. Birefringence images of arbitrarily oriented dislocation lines in (111) silicon wafers 9—61332
Jenkins, E. *see* Brennan, J.A. 9—68888
Jenkins, E.B., Shaya, E.J. A survey of interstellar C I: insights on carbon abundances, UV grain albedos, and pressures in the interstellar medium 9—92818
Jenkins, E.B. *see* Cowie, L.L. 9—97049
Jenkins, H.D.B., Pratt, K.F. Convergence of the Bertaut series and the calculation of the electrostatic energy of an extended crystalline lattice 9—55693
Jenkins, H.D.B., Pratt, K.F. Lattice energies and thermochemistry of hexahalometallate (IV) complexes A_2MC_6, having non-cubic crystal structures 9—60307
Jenkins, J.D. *see* Blakeman, E.D. 9—85682
Jenkins, J.E. Electron beam surface hardening 9—61773
Jenkins, J.P., Hill, J.E. Testing of water-heating collectors according to ASHRAE Standard 93-77 9—62067
Jenkins, J.P. *see* Hill, J.E. 9—61947
Jenkins, J.R. Sequence divergence of rainbow trout protamine mRNAs; comparison of coding and non-coding nucleotide sequences in three protamine cDNA plasmids 9—74596
Jenkins, K.D. *see* Hendry, G.O. 9—54690
Jenkins, K.D. *see* Knight, T.H. 9—54703
Jenkins, L.H. *see* Davis, H.L. 9—73385
Jenkins, M.L., Norton, N.G., English, C.A. Transmission-electron-microscopy studies of displacement cascades in Cu_3Au. Cascades produced by 100-200 keV Cu^+ ions 9—99251
Jenkins, P.E. *see* Nash, J.M. *(editor)* 9—83635
Jenkins, T.E., Bates, A.R. A Raman study of the three-solid-state phase transition in diamantane 9—51946
Jenkins, T.E. *see* Lewis, J. 9—61369
Jenkins, T.M. *see* McCall, R.C. 9—49868
Jenkins, W. *see* Brown, R.G.W. 9—50827
Jenkinson, H.A. *see* Church, E.L. 9—59639
Jenn-Tai Hwang *see* Dougherty, E.P. 9—100334
Jenner, G. Prediction of the directional effect of pressure on the reactivity ratios in free-radical copolymerizations 9—100362
Jenner, G.A. *see* Fryer, B.J. 9—53324
Jenness, J.R., Jr Fine structure of an image facsimile synthesized with a Gaussian spot 9—76604
Jennewein, P., Schoch, B. Electroproduction of low energy charged pions on ^{9}Be, ^{12}Cand ^{16}O 9—93607
Jenni, P. *see* Abrams, G.S. 9—89149, 9—89174
Jenni, P. *see* Chilingarov, A. 9—54365, 9—54368
Jennings, B.K. *see* Brockmann, R. 9—85422
Jennings, B.K. *see* Brown, G.E. 9—85558
Jennings, B.R. *see* Morris, V.J. 9—92011
Jennings, D.A., Petersen, F.R., Evenson, K.M. Frequency measurement of the 260-THz (1.15-μm) He-Ne laser 9—64263
Jennings, D.A. *see* Baird, K.M. 9—93104
Jennings, D.A. *see* Henningsen, J.O. 9—93998
Jennings, D.E. *see* Hillman, J.J. 9—75626
Jennings, H.M., Danforth, S.C., Richman, M.H. On a growth mechanism for β phase silicon nitride 9—55685
Jennings, J.A.M., Charman, W.N. Optical image quality in the peripheral retina 9—83766
Jennings, L.S. *see* Hayes, K.C. 9—79510
Jennings, P.C., Helmberger, D.V. Strong-motion seismology 9—88271
Jennings, S.G., Pinnick, R.G., Gillespie, J.B. Relation between absorption coefficient and imaginary index of atmospheric aerosol constituents 9—74956
Jennings, S.G. *see* Pinnick, R.G. 9—58086
Jennison, R.C. What is an electron? 9—63089
Jenny, B., Gruebler, W., Konig, V., Schmelzbach, P.A., Risler, R., Burgi, H.R., Boerma, D.O. Analyzing-power and cross-section measurements for ^{3}He(d,d)^{3}He scattering 9—85443
Jenny, B., Gruebler, W., Schmelzbach, P.A., Konig, V., Burgi, H.R. Exploration of a continuum ambiguity in the ^{3}He(d,d)^{3}He phase-shift analysis at 0.32 MeV 9—76006
Jenny, B. *see* Burgi, H.R. 9—67756
Jenny, B. *see* Gruebler, W. 9—71858, 9—75953
Jenny, B. *see* Konig, V. 9—75964
Jenny, B. *see* Schmelzbach, P.A. 9—71830
Jenny, B. *see* White, R.E. 9—63653, 9—71833
Jenq, J.C. Probability of error in digital fiber optic systems with inter-symbol interference and signal dependent additive noise 9—89855
Jensch, P. *see* Meyer, J. 9—70628
Jensen, A., Kaiser, N.E. Exact temperature measurements at Riso 9—54129
Jensen, A.S. *see* Andersen, J.U. 9—85568
Jensen, C.M., Rogers, V.C., Macbeth, P.J. Impact of decay daughters in low-level radioactive waste 9—52964
Jensen, D. *see* Berndt, M. 9—68025
Jensen, D.H. Computer modeling of the prompt-fission-neutron logging technique 9—53566
Jensen, E. *see* Engvold, O. 9—84774
Jensen, E.B., Gundersen, H.J.G., Osterby, R. Determination of membrane thickness distribution from orthogonal intercepts 9—74804
Jensen, F.E. *see* Nico Spinelli, D. 9—83734
Jensen, H.B., Brodersen, S. The totally symmetric rotation-vibrational Raman bands of benzene 9—59474
Jensen, H.B. *see* Albrow, M.G. 9—75805
Jensen, J. *see* Hansen, O. 9—83704
Jensen, J.A. *see* Rowlands, R.E. 9—59922
Jensen, J.H. *see* Ohyabu, N. 9—60166
Jensen, K. CP Puppis 9—80325
Jensen, K.O., Carlsen, V. Low level mercury analysis by neutron activation analysis 9—70503
Jensen, K.S. Accurate astrometric positions of Pluto, 1975-1978 9—70993
Jensen, L.H. *see* Hanson, J.C. 9—73069
Jensen, M. Manufacture of short life radioactive isotopes for medical purposes 9—83933
Jensen, M., Tilley, D.R., Weller, H.R., Roberson, N.R., Wender, S.A., Clegg, T.B. Polarized-neutron capture in the giant-resonance region of ^{41}Ca 9—93620
Jensen, M. *see* Gould, C.R. 9—89527
Jensen, M.A. *see* Cummings, T.E. 9—52678
Jensen, M.N. DVM calibration 9—93126
Jensen, M.Stibius *see* Stibius Jensen, M.
Jensen, N.O. Simultaneous measurements of turbulence over land and water 9—53421
Jensen, N.O., Agee, E.M. Vortex cloud street during AMTEX 75 9—79988
Jensen, N.O., Lenschow, D.H. An observational investigation of penetrative convection [AMTEX data] 9—58028
Jensen, P.R. Real space scanning—a new scanning principle 9—70594
Jensen, S.B. *see* Andresen, B. 9—86060
Jensen, S.J.K. *see* Mouritsen, O.G. 9—73754
Jensen, S.J.Knak *see* Knak Jensen, S.J.
Jensen, T.H. *see* Hsu, J.Y. 9—77406
Jensen, V.O., Lynov, J.P. Energy properties of ion acoustic waves in stable and unstable plasmas 9—68916
Jenssen, H.J. Fundamentals and importance of the electrophoretic mobility test (EM-test) for the diagnosis of malignant tumors 9—79680
Jenssen, H.P. *see* Walling, J.C. 9—72573
Jentsch, M. *see* Bamford, D. 9—53314
Jentschke, W. *see* Prescott, C.Y. 9—75776
Jeppesen, R.H., Jakobson, M.J., Cooper, M.D., Hagerman, D.C., Johnson, M.B., Redwine, R.P., Burleson, G.R., Johnson, K.F., Halpern, I., Knutson, L.D., Marrs, R.E., Meyer, H.O. Forward amplitudes for $\pi^{\pm}$ on Al, Ca, Cu, Sn, Ho, and Pb in the energy range 65-215 MeV 9—85533
Jeppesen, R.H. *see* Cooper, M.D. 9—93668
Jeppson, G.M. *see* Bulawa, W.F. 9—70636
Jepsen, D.W. Calculation of the angle-resolved photoemission from copper 9—95904
Jepsen, D.W. *see* Jona, F. 9—77875
Jepsen, D.W. *see* Passler, M. 9—86982
Jepsen, D.W. *see* Spanjaard, D. 9—60894
Jer-shen Maa *see* Yen-chung Liu 9—69377
Jerger, J. Comments on 'The effect of aging on the stapedius reflex thresholds' [J. Acoust. Soc. Am.66, 735-738 (1979)] 9—100627
Jerlvall, L.B., Arlinger, S.D., Holmgren, E.C. Thresholds for linear amplitude change of a continuous pure tone 9—92238
Jermann, M. *see* McCombie, C. 9—81037
Jernigan, J.G., Clark, G.W. The locations of X-ray sources in globular clusters 9—97102
Jernigan, J.G. *see* Greenhill, J.G. 9—71158
Jerome, D. *see* Andrieux, A. 9—78084, 9—82579, 9—91033, 9—91034
Jerome, D. *see* Friend, R.H. 9—60678, 9—95410
Jershkowitz, N. *see* Coakley, P. 9—60177
Jervis, B.W. Microwave Doppler-effect particle flowmeter: approximate signal theory 9—94747
Jervis, T.R. Temperature dependence of the electron mobility in GaAs 9—91084
Jesenak, V. *see* Grman, D. 9—69301
Jesorsky, P. *see* Hoefker, U. 9—94423
Jesorsky, P. *see* Hofker, U. 9—64433
Jespersen, P. *see* Bindslev Hansen, J. 9—56410
Jessberger, E.K. *see* Reedy, R.C. 9—96874
Jesse, R. *see* Voegele, A.L. 9—96402
Jessen, W. *see* Abele, J. 9—58093
Jesson, J.P., Glasgow, L.C., Meakin, P. Solar photodissociation rates for $ClONO_2$; an estimate of current levels of $ClONO_2$ in the stratosphere 9—53496
Jesson, J.P., Meakin, P., Glasgow, L.C. The tropospheric lifetime of $CFCl_3$ 9—53497
Jesson, J.P. *see* Glasgow, L.C. 9—62551, 9—84427
Jesson, J.P. *see* Miller, C. 9—70831, 9—88390
Jessop, A.M. *see* Hyndman, R.D. 9—100819
Jessop, D. Simplifying the calibration of digital voltmeters 9—49248
Jessop, P.E., Pipkin, F.M. Measurement of the lifetime of the 5d 6p $^1F_3$ state of barium 9—89633
Jessop, T.J., Mudge, P.J. Size measurement and characterisation of weld defects by ultrasonic testing. I. Non-planar defects in ferritic steels 9—87812
Jessup, G.L., Jr. *see* Pay, T.L. 9—88114
Jessup, N.E. *see* Dunmur, D.A. 9—50842, 9—50843
Jester, W.A. *see* Brenizer, J.S., Jr. 9—54610
Jester, W.A. *see* Haaser, F.G. 9—88014
Jester, W.A. *see* Lee, B.W.-T. 9—59290
Jestin, J. A voltage/pH converter 9—63267
Jesus, A.P. *see* Lopes, J.S. 9—86055
Jesus Filho, M.F.De *see* De Jesus Filho, M.F.
Jeswani, M.L. Roughness and wear characteristic of spark-eroded surfaces 9—52390
Jetschke, G. General stability analysis of dissipative structures in reaction-diffusion systems with one degree of freedom 9—87826
Jetschke, G. Multiple stable steady states and chemical hysteresis in a two-box model of the Brusselator 9—100428
Jette, A.N. *see* Adrian, F.J. 9—85902
Jette, A.N. *see* Morton, J.R. 9—65728
Jetzt, J.J. Critical distance measurement of rooms from the sound energy spectral response 9—72750
Jeu, W.H.de *see* de Jeu, W.H.
Jeudy, M. Autoprocessor materials for the recording of phase holograms: photopolymers and organo-metallic semiconductors 9—86143
Jeunhomme, L. Dispersion minimisation in single-mode fibres between 1.3 μm and 1.7 μm 9—76832
Jevicki, A., Papanicolaou, N. Semi-classical spectrum of the continuous Heisenberg spin chain 9—85084
Jevremovic, M. *see* Alic, V. 9—58727
Jevtic, M. *see* Tjapkin, D. 9—56215
Jew, K.G. *see* Garner, C.M. 9—87141
Jewell, J.L. *see* Hopf, F.A. 9—89956
Jewess, B.W. Some medical uses of radiation from lamps 9—66504
Jewett, J.R. *see* Parker, R.C. 9—97862
Jewsbury, P. *see* Whitehouse, S.B. 9—86976
Jeyapalan, R.K. *see* Richards, E.J. 9—72752
Jeyasingh, K. *see* Osborne, M.P. 9—96649
Jezabek, M. *see* Jadach, S. 9—93337
Jezequel, J.-Y., Baronnet, F., Niclause, M. Modelling of the pyrolysis of propane 9—52649
Jezewski, W. The bloch self-consistently renormalized spin wave approximation and behaviour of some thermodynamic quantities of a Heisenberg ferromagnet in the critical region 9—82784
Jeziorny, A. The estimation of amorphous material orientation in poly(ethylene terephthalate) fibres by the differential calorimetry method. II. Execution of quantitative determinations 9—73111
Jeziorski, B., Szalewicz, K. High-accuracy Compton profile of molecular hydrogen from explicitly correlated Gaussian wave function 9—81241
Jeziorski, B. *see* Szalewicz, K. 9—86038
Jezowska-Trzebiatowska, B., Nowakowski, T., Mrozinski, J. New ternary oxides with rhenium (IV) of the perovskite structure 9—90621
Jezowska-Trzebiatowska, B., Nowakowski, T., Mrozinski, J. The magnetic and electrical properties of semiconductors of $CaIr_xTi_{1-x}O_3$ type 9—91046
Jezowska-Trzebiatowska, B. *see* Ernst, S. 9—60436
Jezowska-Trzebiatowska, B. *see* Legendziewicz, J. 9—65860
Jezowska-Trzebiatowska, B. *see* Ryba-Romanowski, W. 9—87476
Jha, B.N. *see* Kumari Jha, D. 9—51045
Jha, D.Kumari *see* Kumari Jha, D.
Jha, L.K. *see* Thakur, K.P. 9—72439, 9—94474
Jha, M.K. *see* Singh, V.P. 9—77183
Jha, R., Singh, A.N. INDO method for spectra study of pyridine, pyrrole and fulvene 9—54834
Jha, S., Saleh, N., Julian, G.M., Ward, T.E., Blue, J.W., Liu, D.C. Hyperfine magnetic field measurement in Heusler alloys with rhodium-99 and indium-111 by TDPAC technique 9—78580
Jha, S.K. *see* Richards, T.L. 9—81627
Jha, S.S. *see* Agarwal, G.S. 9—89958
Jhingran, A.G. Himalaya, its rise and plate tectonics 9—53334
Jhon, M.S., Dahler, J.S. A mode-mode coupling theory of chemical reaction in a dense fluid 9—57218
Jhon, M.S., Dahler, J.S. Kinetic theory of a photolytically driven hot-atom reaction 9—74408
Jhon, M.S., Desai, R.C., Dahler, J.S. Surface tension of a simple fluid 9—73378
Jhunjhunwala, A., Vetelino, J.F., Harmon, D., Soluch, W. Theoretical examination of surface skimming bulk waves 9—56064
Jhunjhunwala, A. *see* Carr, P.H. 9—51409
Jhy-Jiun Chang Relaxation of the quasiparticle charge imbalance in superconductors 9—60960
Ji Guang-da *see* Cai Jun-dao 9—91177
Ji Guang-Da *see* Wu Hang-Sheng 9—51705
Ji Guangda *see* Cai Jundao 9—78251

Ji Guangda *see* Wu Hangsheng 9—78252
Ji Jinjun *see* Chao Jiping 9—84446
Ji-Cheng Gu *see* Gu Ji-Cheng
Ji-hu Ma *see* Ma Ji-hu
Ji-ren Xu *see* Xu Ji-ren
Ji-Ye Ximen *see* Ximen Ji-Ye
Ji-zhi Wang *see* Wang Ji-zhi
Ji-Zong Lu *see* Lu Ji-Zong
Ji-zu Shu *see* Shu Ji-zu
Jia Ke-chang *see* Han Bao-shan 9—71429
Jia-jun Wang *see* Wang Jia-jun
Jia-lin Xie *see* Xie Jia-lin
Jia-min Chen *see* Chen Jia-min
Jia-Wei Hu *see* Hu Jia-Wei
Jia-xi Dai *see* Dai Jia-xi
Jia-yong Tang *see* Tang Jia-yong
Jia-yu Chen *see* Chen Jia-yu
Jiacoletti, R.J. *see* Stroh, K.R. 9—54474, 9—71884
Jiahua Ho *see* Ho Jiahua
Jian Jiang *see* Jiang Jian
Jian Zhang *see* Zhang Jian
Jian Zhao *see* Zhao Jian
Jian-Gao Zhao *see* Zhao Jian-Gao
Jian-hua Cai *see* Cai Jian-hua
Jian-hua Mao *see* Mao Jian-hua
Jian-min Gao *see* Gao Jian-min
Jian-Ming Xu *see* Xu Jian-Ming
Jian-ping Shen *see* Shen Jian-ping
Jian-shen Chen *see* Chen Jian-shen
Jian-wen Chen *see* Chen Jian-wen
Jiang, C.L. *see* Chroboczek, J. 9—95412
Jiang Huan-ching *see* Liu Bo 9—59069
Jiang Jian *see* Wu Xi-jun 9—100236
Jiang Jun-ping Principle of plane step lens and its application in the field of solar energy utilization 9—81512
Jiang Shao-you *see* Zhang Yong-fu 9—80730
Jiang Shi-Yang A new design concept for the prime focus spectrometer of parabolic mirror 9—80226
Jiang Ya-gang, Song Cong-long Concave holographic grating 9—72539
Jiang Yi-feng *see* Xu Ji-ren 9—78733
Jianhua Cai *see* Cai Jianhua
Jianjun Xu *see* Xu Jianjun
Jianu, D. *see* Fuchs, K. 9—84172
Jichu, H., Nagaoka, Y. Theory of collective modes in quantum crystals of spinless fermions 9—86960
Jie-Hai Jing *see* Jing Jie-Hai
Jie-Hao Hunag *see* Hunag Jie-Hao
Jie-qian Zhang *see* Zhang Jie-qian
Jih, C.-T.R., Hurlbut, F.C. Time-of-flight studies of argon beams scattered from a silver (111) crystal surface 9—95894
Jih-ping Chao *see* Chao Jih-ping
Jiin-lang Lee Potential weather modification caused by waste heat release from large dry cooling towers 9—84471
Jilek, M. The transients propagation in a conical bar treated by Rayleigh's correction 9—81749
Jilin Xu *see* Xu Jilin
Jimbo, G. *see* Tsubaki, J. 9—74109, 9—74110
Jimbo, M. Studies on holonomic quantum fields. IX 9—49102
Jimbo, M. An inverse scattering problem and the fifth Painleve transcendent 9—54260
Jimbo, M., Miwa, T. Studies on holonomic quantum fields. XIII 9—97518
Jimbo, M., Miwa, T. Studies on holonomic quantum fields. XIV 9—97519
Jimbo, M. *see* Sato, M. 9—67193, 9—75690, 9—80472
Jimenez, E., Campos, J. Transition probabilities of some optical lines of XeI 9—89626
Jimenez, J. *see* Gonzalez, C. 9—63107
Jimenez, R. *see* Lee, F. 9—96831
Jimenez de Castro, M., Alvarez Rivas, J.L. Thermoluminescence in KCl X irradiated at 80K 9—95859
Jimenez-Lopez, J., Bonnafe, J., Fillard, J.P. Current-voltage characteristics and surface currents in semi-insulating GaAs(Cr) 9—56234
Jimenez-Rodriguez, J.J., Rodriguez-Vidal, M., Valles-Abarca, J.A. Sputtering yield calculation for binary target 9—87550
Jin Hui-shu *see* Zhao Yan-zeng 9—77308
Jin Soo Kim *see* Chang Hyun Chung 9—76060
Jin Xing-nan *see* Chen Bao-qiu 9—59068
Jin Zhao Zhao *see* Zhao Jin Zhao
Jin-lin Du *see* Du Jin-lin
Jin-ming Hu *see* Hu Jin-ming
Jin-nan Gu *see* Gu Jin-nan
Jin-Ping Gu *see* Gu Jin-Ping
Jin-quan Chen *see* Chen Jin-quan
Jin-tong Wang *see* Wang Jin-tong
Jin-Yan Zeng *see* Zeng Jin-Yan
Jin-zhu Zhang *see* Zhang Jin-zhu
Jindal, B.K. Growth and magnetic properties of the $(Y, Sm, Lu, Ca)_3(Ga, Ge, Fe)_5O_{12}$ garnet films for bubble-memory applications 9—87297
Jindal, R. *see* van der Ziel, A. 9—60883
Jindal, V.K. *see* Monga, M.R. 9—55843
Jing Jie-Hai *see* Ye Shi-Hui 9—80289
Jing Zhou *see* Zhou Jing
Jing-Hua Tian *see* Tian Jing-Hua
Jing-Huei Chen *see* Adelman, S.A. 9—68995
Jing-Huei Chen *see* Hossain, K.A. 9—60489
Jing-Kui Liang *see* Liang Jing-Kui
Jing-lun Zhao *see* Zhao Jing-lun
Jing-ye Zhang *see* Zhang Jing-ye
Jing-yuan Li *see* Li Jing-yuan
Jing-Yuan Wu *see* Wu Jing-Yuan
Jing-yun Fan *see* Fan Jing-yun
Jing-zhang Chen *see* Chen Jing-zhang
Jingde Li *see* Li Jingde
Jinguji, K. *see* Shibata, N. 9—86255
Jinji Guo *see* Guo Jinji
Jinjun Ji *see* Ji Jinjun
Jiping Chao *see* Chao Jiping
Jirak, Z., Vratislav, S., Zajicek, J. The magnetic structure of $Pr_{0.9}Ca_{0.1}MnO_3$ 9—61061
Jirak, Z. *see* Vratislav, S. 9—86655
Jirka, G.H., Harleman, D.R.F. Stability and mixing of a vertical plane buoyant jet in confined depth 9—90302
Jirousek, I. *see* Besse, L. 9—57754
Jirousek, P. *see* Klumpar, J. 9—63861, 9—67967, 9—89518
Jischa, M. *see* Homann, K. 9—86418
Jitschin, W., Meisel, G. Fast frequency control of a CW dye jet laser 9—72582
Jitsuno, K. *see* Dake, S. 9—62700
Jitsuno, K. *see* Kitajima, T. 9—62702
Jiu Xiu-wen *see* Yeh Da-nian 9—84264
Jo, H.S.U., Moss, S.C. Metal atom-induced diffuse scattering from short-range order among deuterium atoms in single crystal α-phase V_2D 9—60358
Jo, H.S.U., Moss, S.C. Deuterium-induced vanadium short-range modulation above T_c in single crystal V_2D 9—95159
Jo, H.S.U., Moss, S.C., Westlake, D.G. Long-range order and the β-β' transition in single crystal V_2H via X-ray scattering 9—95160
Joag, D.S. *see* Dharmadhikari, C.V. 9—56075
Joannopoulos, J.D. The use of Cayley trees to study excitations in disordered solids 9—65373
Joannopoulos, J.D., Mele, E.J. Surface defects, chemisorption and interfaces 9—95466
Joannopoulos, J.D. *see* Doerre, G. 9—99476
Joannopoulos, J.D. *see* Mele, E.J. 9—51671, 9—69411
Joannopoulos, J.D. *see* Pollard, W.B. 9—73471
Joannopoulos, J.D. *see* Starkloff, T. 9—65838
Joannopoulos, J.D. *see* Vanderbilt, D. 9—65415
Joannou, D.E., Davidson, S.M. Diffusion length evaluation of boron-implanted silicon using the SEM-EBIC/Schottky diode technique 9—82605
Joarder, R.N. *see* Gopala Rao, R.V. 9—99270
Job, M.C. Monitoring laser welds using Stress Wave Emission (SWE) techniques 9—100329
Jobbins, B., Bird, H.A., Wright, V. A joint hyperextensometer for the quantification of joint laxity 9—100761
Jobert, G., Bruneau, C. Linearized direct and inverse problems for two-dimensional heterogeneities and plane SH waves 9—84131
Jobert, G., Cisternas, A. On the inverse problem of local seismic foci 9—53582
Jobson, C.T. *see* Doviak, R. 9—53462
Jobst, W., Zabalgogeazcoa, X. Coherence estimates for signals propagated through acoustic channels with multiple paths 9—50479
Jochems, R., Dekker, H., Mosselman, C. Application of direct current comparator apparatus in combustion calorimetry 9—75529
Jochemsen, R., Goldman, V.V., Silvera, I.F. Pressure dependence of phonon lineshapes of solid deuterium in the ordered state 9—56023
Jochemsen, R., Goldman, V.V., Silvera, I.F. Anomalous double-peaked one-phonon far infrared absorption in compressed deuterium 9—56788
Jochemsen, R., Goldman, V.V., Silvera, I.F. Far-infrared absorption in solid hydrogen and deuterium in the ordered state as a function of density 9—91430
Jochemsen, R. *see* Silvera, I.F. 9—86725
Jochims, H.W., Lohr, W., Baumgartel, H. Photoreactions of small organic molecules. VI. Photoionization processes of difluoroethylenes 9—59514
Jodl, H.J., Holzapfel, W.B. High pressure cell for Raman scattering at low temperatures 9—49247
Jodl, H.J., Theysohn, G., Bruno, R. Frequency shift analysis of matrix isolated impurities 9—91472
Jodoin, R.E. Diffraction of a laser beam 9—71177
Jodrey, W.S. *see* Gotoh, K. 9—58639
Joelsson, I., Zetterberg, P.O., Magnusson, C.E. The spectrum and term system of S VI 9—93946
Joffrin, J. *see* Bernard, L. 9—61299, 9—78616
Jog, S.D. Expansions and approximations from Fermi-Dirac integrals of arbitrary order 9—85065
Joh, K. *see* Chiba, M. 9—93898
Johann, U. *see* Dembczynski, J. 9—72260
Johann, U. *see* Ertmer, W. 9—89234
Johannesen, N.H., Hodgson, J.P. The physics of weak waves in gases 9—64683
Johannesma, P.I.M. *see* Aertsen, A.M.H.J. 9—66475
Johannessen, J.A. *see* Buckley, J.R. 9—92547
Johannessen, J.S., Spicer, W.E., Strausser, Y.E. LVV spectra of Si, SiO_2 and Si_3N_4 9—52055
Johannessen, M., Henriksen, A. Chemistry of snow meltwater: changes in concentration during melting 9—53388
Johannessen, O.H. *see* Buckley, J.R. 9—92547
Johannesson, Ch., Astrom, H.U., Rao, K.V. Thermal and electrical properties of Cr+1.37 at.% Si 9—78071
Johansen, E., Sabine, P.V.H. Structural characteristics of optical fibres 9—59806
Johansen, H. *see* Heydenreich, J. 9—82217
Johansen, H. *see* Shim, I. 9—59535
Johansen, H. *see* Wahlgren, U. 9—63918
Johansen, R.T. Overview of selected oil recovery processes 9—61839
Johansen, V. *see* Christensen, N.H. 9—91935
Johanson, E.W. *see* Page, R.J. 9—49763
Johansson, A. *see* Glantz, L. 9—76008
Johansson, A.V. *see* Inge, C. 9—64717
Johansson, B. Valence state at the surface of rare-earth metals 9—95462
Johansson, E. *see* Albano, C. 9—52796
Johansson, E. *see* Andersson, G. 9—85703
Johansson, E. *see* Fry, J.R. 9—54366
Johansson, G.B., Lindqvist, O., Moret, J. Diammonium tellurium (VI) dioxide tetrahydroxide 9—77563
Johansson, J., Falt, C.-O., Eng, S.T. Computer-controlled laser beams in object dimension measurements 9—98431
Johansson, J. *see* Hautojarvi, P. 9—55785
Johansson, K. *see* Fahlander, C. 9—67653, 9—93512
Johansson, K. *see* Pahlm, O. 9—70678
Johansson, L. *see* Stohr, J. 9—95876
Johansson, L.B.A., Davidsson, A., Lindblom, G., Norden, B. Linear dichroism as a tool for studying molecular orientation in membrane systems. II. Order parameters of guest molecules from linear dichroism and nuclear magnetic resonance 9—53059
Johansson, L.-G., Lindqvist, O. The crystal structure of iron(II) sulfite trihydrate, α-$FeSO_3.3H_2O$ 9—60310
Johansson, L.I. *see* Ivanovskii, A.L. 9—59513
Johansson, P. Electron density oscillations around an adatom 9—87138
Johansson, P.K. 'Fast' thermal desorption: role of adsorbate-adsorbate interaction 9—95256
Johansson, T. *see* Hoistad, B. 9—59061
Johansson, T. *see* Ingemarsson, A. 9—75984
Johansson, T. *see* Konijn, J. 9—86085, 9—98251
Johar, S.S. *see* Thompson, D.A. 9—56899
Johari, G.P. The dipolar correlation factor and dipole moment of a water molecule in ice III 9—77548
Johari, G.P., Whalley, E. Evidence for a very slow transformation in ice VI at low temperatures 9—55883
Johgo, A., Tochihara, H., Murata, Y. A supersonic molecular beam apparatus for the study of ion-molecule reactions 9—50165
John, B. *see* Zeidler, H. 9—79585
John, D. Testing of the reference voltage with the B3-24 compensation voltmeter 9—54155
John, I.G., Bacskay, G.B., Hush, N.S. Finite field method calculations. V. Raman scattering activities and infrared absorption intensities for H_2O, D_2O, CH_4 and CD_4 9—59462
John, J.I. *see* Brown, G.M. 9—58142
John, M. *see* Becherer, H. 9—52094
John, P.K. *see* Dembinski, M. 9—68361
John, P.T. *see* Nagpal, K.C. 9—51419
John, T.L. Photodetachment of Si^- 9—63970
John, T.L. Neutral bremsstrahlung by carbon monoxide 9—63978
John, T.L. Polarization effects on the free-free transitions of H^- 9—66917
John, V. *see* Desai, C.C. 9—99199
John, W., Hamann, D. Relativistic electron-phonon interaction in transition metals 9—82532
John, W., Keller, W. Density of states of expanded liquid mercury. An effective medium approach 9—99468
John, W., Reischl, G. Measurements of the filtration efficiencies of selected filter types 9—57551
John, W. *see* Nemoshkalenko, V.V. 9—78792, 9—91536
John, W. *see* Schopke, R. 9—69953
John Manley, R.St. *see* St. John Manley, R.
Johns, B. The modeling of tidal flow in a channel using a turbulence energy closure scheme 9—79859
Johns, J.W.C. *see* Allegrini, M. 9—64039
Johns, J.W.C. *see* Dale, R.M. 9—64207
Johns, K.A. *see* Landsberg, P.T. 9—63128
Johns, L.E. *see* De Gance, A.E. 9—60060, 9—60072
Johns, M. *see* Knacke, R.F. 9—80367
Johns, M. *see* Williams, G. 9—101222
Johns, M.D. *see* Clegg, R.J. 9—66399, 9—66400
Johns, M.E. *see* Bull, G.L. 9—70560
Johns, M.W. *see* Singhal, N.C. 9—49582
Johns, O.T., Shiavi, R., Griffin, P., King, P., Bass, W., Sheelhouse, W., Caylor, J. Foot and shoe cover for footfall pattern measurements 9—57799
Johnsen, A.C. *see* Marom, G. 9—91784
Johnsen, G. *see* Bjornsson, A. 9—84210

Johnsen, R., Biondi, M.A. Mobilities of singly and doubly charged rare-gas ions in helium and in neon 9—90370

Johnsen, R., Biondi, M.A. Thermal-energy charge transfer, quenching, and association reactions of doubly charged ions in the rare gases 9—91946

Johnsen, R. *see* Mauclaire, G. 9—64100

Johnsen, S.J. *see* Hibler, W.D., III 9—88470

Johnsen, T.L. *see* Argyris, J.H. 9—94490

Johnson, A. *see* Price, H. 9—88385

Johnson, A.A., Remo, J.L., Davis, R.B. The low temperature impact properties of the meteorite Hoba 9—80283

Johnson, A.D. *see* Abrams, G.S. 9—89149, 9—89174

Johnson, A.M. *see* Korman, C.S. 9—59521

Johnson, B.C., Aspin, C.H., Wadlin, W.H. Effect of substrate on the conductivity of evaporated Au-Ge alloy films 9—78213

Johnson, B.C., Bauer, C.L., Jordan, A.G. Effect of microstructure on interdiffusion in bimetallic Cu-Ni thin films 9—77840

Johnson, B.D., Cooke, R.C. Bubble populations and spectra in coastal waters: a photographic approach 9—100849

Johnson, B.M., Jones, K.W., Cecchi, J.L., Hinnov, E., Kruse, T.H. Comparison of tungsten and gold radiation from beam-foil excitation and Tokamak-produced plasmas 9—54828

Johnson, B.M. *see* Bruch, R. 9—59414

Johnson, B.M. *see* Fintz, P. 9—76501

Johnson, C. A mixed finite element method for the Navier-Stokes equations 9—50693

Johnson, C.C. *see* Durney, C.H. 9—100658

Johnson, C.C. *see* Iskander, M.F. 9—100660

Johnson, C.C. *see* Johnson, S.A. 9—53282

Johnson, C.E., Tetenbaum, M., Shinn, W.A. Compatibility of cladding materials with thorium-uranium alloys 9—54509

Johnson, C.E. *see* Gupta, G.P. 9—78586, 9—78587

Johnson, C.E. *see* Main, I.G. 9—82751

Johnson, C.E. *see* Rush, J.D. 9—69755, 9—69756

Johnson, C.R. Equivalence of Einstein's 1925 unified field theory and his relativistic theory of the nonsymmetric field 9—58484

Johnson, D., Pfender, E. Modeling and measurement of the initial anode heat fluxes in pulsed high-current arcs 9—50903

Johnson, D. *see* Chaney, D. 9—89308

Johnson, D. *see* Eubank, H. 9—82074

Johnson, D. *see* Miller, P. 9—54668

Johnson, D. *see* Resmini, F. 9—54664

Johnson, D.E. *see* Cline, D.B. 9—68004, 9—68005

Johnson, D.E. *see* Hutchinson, T.E. 9—92454

Johnson, D.G., Escher, W.J.D., Pangborn, J.B. New energy from an old source: hydrogen from falling water 9—52958

Johnson, D.H., Berney, C.V., Yip, S., Chen, S.-H. Analysis of neutron incoherent inelastic scattering spectra of normal and deuterated formic acid. I. Planar chain model 9—86856

Johnson, D.H. *see* Berney, C.V. 9—51214

Johnson, D.J., Farnsworth, A.V., Jr., Fehl, D.L., Leeper, R.J., Kuswa, G.W. A dual-current-feed magnetically insulated light-ion diode 9—93851

Johnson, D.J. *see* Bennett, S.C. 9—77465

Johnson, D.L., Neimark, L.A. Design basis considerations for a Th-U alloy fast reactor fuel element 9—54503

Johnson, D.L., Sanecki, J.E. Effect of cesium migration on fission gas permeability in a GCFR fuel column 9—67824

Johnson, D.L. *see* Schori, T.R. 9—83801

Johnson, D.P. *see* De Clercq, C. 9—89188

Johnson, D.R., Bradley, R.A., Lackey, W.J., Notz, K.J. Remote fabrication technology for HTGR fuels 9—89483

Johnson, D.R. *see* Caputo, A.J. 9—67922

Johnson, D.R. *see* Clark, F.O. 9—53862

Johnson, D.W., Roberts, M.W. Nitrogen chemisorption by iron 9—99427

Johnson, E. {100} faceted anion voids in electron irradiated fluorite 9—51153

Johnson, E. A perturbation method for classical atomic fluids which have a repulsive pair potential 9—68997

Johnson, E.A. *see* Goebel, C.J. 9—94762

Johnson, E.G., Jr. Laser beam profile measurements using spatial sampling, Fourier optics, and holography 9—86201

Johnson, E.R. Topographically bound vortices 9—57956

Johnson, E.R. Qausigeostrophic flow above sloping boundaries 9—66703

Johnson, F., Waugh, W. Method for routine clinical assessment of knee-joint forces 9—83831

Johnson, F.S., Hanson, W.B. A new concept for the daytime magnetosphere of Venus 9—96937

Johnson, G.C. *see* Kino, G.S. 9—77033

Johnson, G.D. Rapid calculations of vacuum wave numbers 9—75616

Johnson, G.D., Hunter, C.W. Mechanical properties of transient-tested irradiated fast reactor cladding 9—89377

Johnson, G.D. *see* Duncan, D.R. 9—89378

Johnson, G.D. *see* Wire, G.L. 9—74207

Johnson, G.K. The enthalpy of formation of uranium hexafluoride 9—96349

Johnson, G.K., Gayer, K.H. The enthalpies of solution and formation of the chlorides of cesium and rubidium 9—61892

Johnson, G.L. *see* Lucas, M.S.P. 9—60087

Johnson, G.L. *see* Vogt, P.R. 9—70746

Johnson, G.T. Evaluation of schemes for estimating surface-wind strength 9—88392

Johnson, G.W., Leiner, D.C., Moore, D.T. Phase-locked interferometry 9—58775

Johnson, G.W., Taylor, H.E., Skogerboe, R.K. Evaluation of spectral interferences associated with a direct current plasma-multielement atomic emission spectrometer (DCP-MAES) system 9—100459

Johnson, H., Ward, L.C. An inexpensive and compact temperature-controlled water bath for organ perfusion apparatus 9—96723

Johnson, H.G. *see* Jassby, D.L. 9—50898

Johnson, H.H. *see* Quick, N.R. 9—55937

Johnson, H.H. *see* Wachob, H.F. 9—61660

Johnson, H.L. An atlas of stellar spectra. II 9—88649

Johnson, H.M. IUE spectra of the nuclei of M31 and M32 9—71117

Johnson, H.P. *see* Fazio, M.V. 9—67981

Johnson, I. *see* Cundall, R.B. 9—72344

Johnson, I.T., Bronk, J.R. Electron microscope autoradiography of a diffusible intracellular constituent, using freeze-dried frozen sections of mammalian intestinal epithelium 9—84039

Johnson, J.C. An automobile noise annoyance problem 9—90077

Johnson, J.C. *see* Massey, G.A. 9—55177

Johnson, J.D., Booda, L.L. Spacecraft oceanography 9—66907

Johnson, J.D. *see* Bonner, J.C. 9—61091

Johnson, J.E. *see* Finch, L.L. 9—65764

Johnson, J.E., Jr. *see* Kraft, L.M. 9—66489

Johnson, J.F.E. *see* Wrenn, G.L. 9—70933

Johnson, J.L., Dalhed, H.E., Greene, J.M., Grimm, R.C., Hsieh, Y.Y., Jardin, S.C., Manickam, J., Okabayashi, M., Storer, R.G., Todd, A.M.M., Voss, D.E., Weimer, K.E. Numerical determination of axisymmetric toroidal magnetohydrodynamic equilibria 9—82091

Johnson, J.L. *see* Todd, A.M.M. 9—64846

Johnson, J.L. *see* Treat, R.P. 9—86128

Johnson, J.R. Transitional basalts and tholeiites from the East Pacific Rise, 9°N 9—84218

Johnson, J.R., Prepost, R., Wiser, D.E., Fischer, G.E., Gustavson, D.B., Murray, J.J., Phillips, T.J., Schwitters, R.F., Sinclair, C.K. Measurements of SPEAR beam polarization using a back-scattered laser technique 9—63838

Johnson, J.W. *see* Ball, J.B. 9—68015

Johnson, K. *see* Baker, M. 9—63394

Johnson, K. *see* Heller, L. 9—75735

Johnson, K. *see* Koehler, A.M. 9—54693

Johnson, K.E., Johnston, D.B., Lipsky, S. A re-examination of the intensity distribution in the electron energy-loss spectrum of ethylene 9—64110

Johnson, K.E., Johnston, D.B., Lipsky, S. The electron impact spectra of some mono-olefinic hydrocarbons 9—68322

Johnson, K.E., Kim, K., Johnston, D.B., Lipsky, S. Electron impact spectra of methane, ethane, and neopentane 9—54949

Johnson, K.E. *see* Sharfin, W. 9—100410

Johnson, K.F. *see* Jeppesen, R.H. 9—85533

Johnson, K.H. Analogies among chemical properties of metal surfaces, organometallic molecules, and enzymes 9—52757

Johnson, K.H., Vvedensky, D.D., Messmer, R.P. New theoretical model for transition-metal impurities alloyed in copper, local magnetic moments, and the Kondo effect 9—69651

Johnson, K.J. *see* Clark, A.R. 9—75779

Johnson, K.L. *see* Nayak, L. 9—64596

Johnson, L. *see* Coakley, P. 9—60177

Johnson, L.F. Evolution of grating profiles under ion-beam erosion 9—94374

Johnson, L.F., Ingersoll, K.A., Kammlott, G.W. An oblique shadow deposition technique for altering the profile of grating relief patterns on surfaces [for application to integrated optics] 9—68451

Johnson, L.F. *see* Tsang, W.T. 9—76696, 9—98398

Johnson, L.H. *see* Kayser, D.C. 9—58274

Johnson, L.H. *see* Lo, D.S. 9—78484

Johnson, L.K. *see* Morris, S.M. 9—96612

Johnson, L.M. *see* Quint, D.W. 9—86212

Johnson, M. In-line fiber-optical polarization transformer 9—72667

Johnson, M. Affects of technological advances in computing in high energy physics experiments 9—89536

Johnson, M. *see* Kolln, W.S. 9—87856

Johnson, M. *see* Ulrich, R. 9—64333, 9—76808

Johnson, M. *see* Wells, C.P. 9—74744

Johnson, M.A. *see* Hackel, L.A. 9—54796

Johnson, M.B. *see* Cooper, M.D. 9—93668

Johnson, M.B. *see* Jeppesen, R.H. 9—85533

Johnson, M.E. *see* Benvenuti, A. 9—58951

Johnson, M.L. *see* Callister, W.D. 9—78919

Johnson, M.W., Cruddace, R.G., Fritz, G., Shulman, S., Friedman, H. Observations of the structure of the diffuse X-ray emission from the Coma cluster 9—92874

Johnson, M.W. *see* Markham, R. 9—49343

Johnson, N.M. Acid rain: neutralization within the Hubbard Brook ecosystem and regional implications 9—74922

Johnson, N.M. Energy-resolved DLTS measurement of interface states in MIS structures 9—78183

Johnson, N.M. Electronic defect levels in self-implanted CW laser-annealed silicon 9—87053

Johnson, N.M., Bartelink, D.J., Gold, R.B., Gibbons, J.F. Constant-capacitance DLTS measurement of defect-density profiles in semiconductors 9—95361

Johnson, N.M., Gold, R.B., Lietoila, A., Gibbons, J.F. Deep levels in ion-implanted, CW laser-annealed silicon 9—69457

Johnson, N.R. *see* Hubert, P. 9—63577

Johnson, O.E. *see* Finley, D.A. 9—49625, 9—49626

Johnson, P.B., Rayne, J.A., Friedberg, S.A. Magnetic properties of $CsNiCl_3$ 9—61076

Johnson, P.B., Rayne, J.A., Friedberg, S.A. Magnetic properties of $CsNiCl_3$ and $RbNiCl_3$ 9—73736

Johnson, P.C. *see* Leach, C.S. 9—57779

Johnson, P.D. The interaction of helium metastable atoms with metal surfaces 9—91558

Johnson, P.D., Rautenberg, T.H., Jr. Spectral change mechanism in the pulsed high-pressure sodium arc 9—82093

Johnson, P.E., Kemp, J.C. Saturn's rings 9—53767

Johnson, P.E. *see* Kemp, J.C. 9—67039

Johnson, P.E. *see* Smith, D.W. 9—96949

Johnson, P.G. *see* Canto, J. 9—67081

Johnson, P.M. *see* Fawwaz, R.A. 9—100717

Johnson, P.M. *see* Keim, H.J. 9—79635

Johnson, P.N. *see* Heymsfield, A.J. 9—53456

Johnson, P.S. *see* Conzalez-Oliver, C.J.R. 9—55670

Johnson, P.W. Construction of Regge amplitudes through solution of S-matrix equations 9—49413

Johnson, P.W. *see* Bitar, K. 9—54315

Johnson, P.W. *see* Erber, T. 9—80510

Johnson, R. *see* Apel', V.D. 9—89194

Johnson, R. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195

Johnson, R. *see* Berndt, M. 9—68025

Johnson, R.A. Elastic interaction between a point defect and an edge dislocation 9—77631

Johnson, R.A. Effect of trapping on interstitial cluster nucleation at the onset of irradiation 9—78974

Johnson, R.A. *see* Fikus, J.H. 9—51146

Johnson, R.A. *see* Hall, J.R. 9—91433

Johnson, R.A. *see* Nelson, D.E. 9—64390

Johnson, R.C. *see* Ioannides, A.A. 9—93635

Johnson, R.C. *see* Tostevin, J.A. 9—80918

Johnson, R.G., Berman, B.L., McNeill, K.G., Woodworth, J.G., Jury, J.W. Photoneutron reaction in ^{17}O: ground-state differential cross section at 98° 9—89288

Johnson, R.G., Evans, L.G., Trombka, J.I. Neutron-gamma techniques for planetary exploration 9—53728

Johnson, R.G. *see* Lennartsson, W. 9—84589

Johnson, R.G. *see* Sharp, R.D. 9—53644

Johnson, R.J. *see* Weisman, G. 9—92284

Johnson, R.M. *see* Ravindhran, K.S. 9—99030

Johnson, R.N., Maffeo, C.J., Mann, J.D., Butler, A.B., Bass, N.H. Intracranial pressure regulation: a comparative model of cerebrospinal fluid systems 9—88111

Johnson, R.N. *see* Maffeo, C.J. 9—96599

Johnson, R.N. *see* Nowack, W.J. 9—83759

Johnson, R.N. *see* Wilkinson, E.C. 9—84051

Johnson, R.P. *see* Brown, B.C. 9—72047

Johnson, R.P. *see* Clark, A.R. 9—75779

Johnson, R.P. *see* Hojvat, C. 9—67971

Johnson, R.R., Marks, T., Masterson, T.G., Bassalleck, B., Erdman, K.L., Gyles, W., Gill, D., Sabev, C. Elastic scattering 29 MeV negative pions from ^{208}Pb 9—71872

Johnson, R.R., Masterson, T., Bassalleck, B., Gyles, W., Marks, T., Erdman, K.L., Thomas, A.W., Gill, D.R., Rost, E., Kraushaar, J.J., Alster, J., Sabev, C., Arvieux, J., Krell, M. Neutron radii determinations from the ratio of π^- elastic scattering from $^{12,13}C$ and $^{16,18}O$ 9—97653

Johnson, R.R. *see* Gyles, W. 9—85534

Johnson, R.S. On the inverse scattering transform, the cylindrical Korteweg-de Vries equation and similarity solutions 9—75408

Johnson, R.T., Sperling, K. Pattern of ultraviolet-light-induced repair in metaphase and interphase chromosomes 9—57611

Johnson, R.T., Jr., Biefeld, R.M. Ionic conductivity of Li_5AlO_4 and Li_5GaO_4 in moist air environments: Potential humidity sensors 9—65248

Johnson, R.T., Jr. *see* Biefeld, R.M. 9—69283, 9—99362

Johnson, R.V. Temporal response of the acoustooptic modulator in the high scattering efficiency regime 9—50377

Johnson, R.W., Mutter, J.C., Arculus, R.J. Origin of the Willaumez-Manus Rise, Papua New Guinea 9—88329
Johnson, R.W., Scheibner, E.J. A computer model of a heterojunction solar cell with application to GaP/Si 9—74529
Johnson, S.A., Greenleaf, J.F. New ultrasound and related imaging techniques 9—66496
Johnson, S.A., Greenleaf, J.F., Rajagopalan, B., Christensen, D.A., Johnson, C.C. Non-intrusive measurement of microwave and ultrasound-induced hyperthermia by acoustic temperature tomography 9—53282
Johnson, S.A., Greenleaf, J.F., Tanaka, M., Rajagopalan, B., Bahn, R.C. Reflection and transmission techniques for high resolution, quantitative synthesis of ultrasound parameter images 9—53202
Johnson, S.A., Tanaka, M., Bahn, R.C. High resolution ultrasound echo and reconstruction imaging from temporal and spatial projections by adaptive ray tracing 9—83867
Johnson, S.A. *see* Greenleaf, J.F. 9—53277
Johnson, S.A. *see* Solarz, R.W. 9—66270
Johnson, S.B. *see* Horovitz, L.J. 9—96584
Johnson, S.F., Lonngren, K.E. Transient response of an inhomogeneous MOS transmission line 9—91153
Johnson, S.M. *see* Gray, P. 9—55646
Johnson, S.P. *see* Korn, D.M. 9—71554
Johnson, S.W. *see* Lynn, P.A. 9—53269
Johnson, T.C., Eisenreich, S.J. Silica in Lake Superior: mass balance considerations and a model for dynamic response to eutrophication 9—74912
Johnson, T.H., Palumbo, L.J., Hunter, A.M., II Kinetics simulation of high-power gas lasers 9—59676
Johnson, T.L., Wright, S.C., Segall, A. Filtering of muscle artifact from the electroencephalogram 9—100764
Johnson, T.V., Cook, A.F., II, Sagan, C., Soderblom, L.A. Volcanic resurfacing rates and implications for volatiles on Io 9—92702
Johnson, T.V. *see* Morrison, D. 9—96951
Johnson, T.V. *see* Nash, D.B. 9—53761
Johnson, W. Optical anisotropy of carbon fibres 9—56760
Johnson, W. *see* Jonckheere, A. 9—63527
Johnson, W.A. *see* Nelson, T.J. 9—78475
Johnson, W.B. *see* Singh, H.B. 9—62554
Johnson, W.C. *see* Hovland, C.T. 9—70396
Johnson, W.C. *see* Lee, J.K. 9—65201
Johnson, W.D., Broomall, J.R., Onn, D.G. Electron injection into dense neon. A comparison with hydrogen and helium 9—73567
Johnson, W.D. *see* Basu, S. 9—74108
Johnson, W.H., Jr. *see* Halverson, J.E. 9—89228
Johnson, W.L. Superconductivity and electronic properties of amorphous transition metal alloys 9—73612
Johnson, W.L., Tsuei, C.C., Raider, S.I., Laibowitz, R.B. A study of amorphous superconducting transition metal-metalloid alloys produced by coevaporation 9—91179
Johnson, W.L. *see* Colter, P.C. 9—60797
Johnson, W.L. *see* Domb, E.R. 9—73646
Johnson, W.L. *see* Drehman, A.J. 9—65575
Johnson, W.L. *see* Guerra, D.A. 9—87193
Johnson, W.L. *see* Poon, S.J. 9—56376
Johnson, W.N. *see* Strickman, M.S. 9—62891
Johnson, W.R., Abdelmessih, A.H., Grayson, J. Blood perfusion measurements by the analysis of the heated thermocouple probe's temperature transients 9—96598
Johnson, W.R., Abdelmessih, A.H., Grayson, J., Scott, D.S. A spherical heated thermocouple probe for perfusion measurements 9—92456
Johnson, W.R. *see* Lin, C.D. 9—59407
Johnson, W.S. *see* MacLachlan, D.F.A. 9—100778
Johnson Bush, K., Diehl, H. Recovery of silver from laboratory wastes [teaching] 9—84912
Johnson-Davies, D., Patterson, R.D. Psychophysical tuning curves: restricting the listening band to the signal region 9—53158
Johnsson, B. *see* Nulow, B. 9—54430
Johnstad, H. *see* Blanar, G.J. 9—93473
Johnstad, H. *see* Braun, H. 9—58969
Johnston, A. *see* Clark, P.D. 9—93513
Johnston, A. *see* Zeller, A.F. 9—75904
Johnston, A.M. *see* Harrison, R.G. 9—72583
Johnston, A.M. *see* Pidgeon, C.R. 9—78679
Johnston, D.B. *see* Johnson, K.E. 9—54949, 9—64110, 9—68322
Johnston, D.C. *see* Azevedo, L.J. 9—56380
Johnston, D.C. *see* Fisk, Z. 9—73738
Johnston, D.C. *see* Ott, H.R. 9—56374
Johnston, D.C. *see* Tovar, M. 9—78250
Johnston, D.C. *see* Webb, G.W. 9—99675
Johnston, D.C. *see* Woolf, L.D. 9—73632
Johnston, F.J. Radiolytic reduction of colloidal silver bromide 9—91979
Johnston, G.S. *see* Bacharach, S.L. 9—100715
Johnston, G.T. *see* Scott, M.L. 9—98423
Johnston, G.W., Haasz, A.A. Traffic background level and signal duration effects on aircraft noise judgment 9—86288
Johnston, G.W. *see* Ogimoto, K. 9—72738
Johnston, H.L. *see* Wisniewski, W.Z. 9—75208
Johnston, H.S., Podolske, J. Interpretations of stratospheric photochemistry 9—74943
Johnston, H.S., Solomon, S. Thunderstorms as possible micrometeorological sink for stratospheric water 9—84385
Johnston, H.S. *see* Connell, P. 9—96294
Johnston, J. *see* Turk, R.R. 9—59849
Johnston, J.P. *see* Rothe, P.H. 9—77137
Johnston, J.W., Cumming, J., Laing, E.W. Equation of state for a partially degenerate plasma 9—60104
Johnston, K.J. *see* Spencer, J.H. 9—71037
Johnston, K.W., Maruzzo, B.C., Cobbold, R.S.C. Doppler methods for quantitative measurement and localization of peripheral arterial occlusive disease by analysis of the blood flow velocity waveform 9—96640
Johnston, M. *see* Fabbiano, G. 9—67109
Johnston, M.D., Bradt, H.V., Doxsey, R.E., Griffiths, R.E., Schwartz, D.A., Schwarz, J. Location of the recurrent (LMC?) X-ray transient A0538—66 with the HEAO 1 scanning modulation collimator 9—62933
Johnston, M.D. *see* Bradt, H.V. 9—62929
Johnston, M.D. *see* Griffiths, R.E. 9—62907, 9—92864, 9—101211
Johnston, M.D. *see* Schwarz, J. 9—97090
Johnston, P.V. *see* Keys, J.G. 9—62639
Johnston, R.H. *see* Farrall, G.A. 9—87389
Johnston, R.L. *see* Fontanella, J. 9—65786
Johnston, R.P., Emigh, S.G., Noble, J.E., White, M.A., Bennett, A., Martini, W.R., Perrone, R.E., Alexander, J.E. Miniature long-life Sirling engine to power an artificial heart 9—53287
Johnston, S., Kaufman, A.N. Oscillation centres and mode coupling in non-uniform Vlasov plasma 9—90448
Johnston, S.F. Holographic animation apparatus 9—97134
Johnston, T.L., Rand, R.H. On the existence and bifurcation of minimal normal modes 9—72837
Johnston, T.W. *see* Mitchel, G.R. 9—89016
Johnston, T.W. *see* Nickerson, S.B. 9—98896
Johnston, W.D., Jr. *see* Lang, D.V. 9—60398
Johnston, W.D., Jr. *see* Mahajan, S. 9—86791
Johnstone, A.H. *see* Friel, S. 9—48994
Johnstone, B.M. *see* Robertson, D. 9—96569
Johnstone, D.E., Wackers, F.J.Th., Berger, H.J., Hoffer, P.B., Kelley, M.J., Gottschalk, A., Zaret, B.L. Effect of patient positioning on left lateral thallium-201 myocardial images 9—100714
Johnstone, I.W. *see* Lockwood, D.J. 9—69826
Johnstone, J. *see* Galin, D. 9—83809
Johnstone, J.A., Law, J. Low energy Σ^--nucleus interaction 9—85424
Joho, W. Recent and future developments at SIN 9—54642
Joho, W., Adam, S. Setting up the SIN 590 MeV ring cyclotron for single turn extraction 9—54707
Joho, W. *see* Adam, S. 9—54674
Joho, W. *see* Olivo, M. 9—67975
Johri, G., Paranjape, V.V. The effect of a crystal surface on lattice vibrations induced by a polarizable impurity atom in polar crystals 9—90737
Johri, G.K., Gupta, S. On the considerations of phase shift effect in rotational transitions in the microwave region 9—98073
Johri, G.K., Srivastava, S.L. Microwave spectral lineshape of OCS J 1→2 line 9—68225
Johri, V.B., Goswami, G.K., Singh, I.J. Spatially homogeneous and anisotropic expanding universe 9—88768
Johri, V.B., Pathak, M.P. Galaxy formation in Eddington-Lemaitre universe 9—62909
Joiner, W.C.H. *see* Habbal, F. 9—56473
Joiner, W.C.H. *see* Thompson, J.D. 9—95556
Joite, S., Hoinkes, H., Kaarmann, H., Wilsch, H. SIMS on ZnO surfaces: the influence of space charge accumulation layers on secondary ion yields and measurement of true hydrogen concentration 9—83087
Jokisaari, J., Diehl, P. The effect of vibrational corrections for the dipolar coupling constants on the molecular structure and the anisotropies of the Hg-H and Hg-C indirect coupling constants in dimethyl mercury 9—50050
Jokisaari, J. *see* Diehl, P. 9—50048
Jokisch, H., Carstensen, K., Dau, W.D., Meyer, H.J., Allkofer, O.C. Cosmic-ray muon spectrum up to 1 TeV at 75° zenith angle 9—53689
Jokisch, H. *see* Stamm, W. 9—66902
Jolibois, B. *see* Tudo, J. 9—73146
Jolicard, G. The influence of the phase shift on the vibration energy transfer for a collision between an atom and a highly asymmetric diatomic molecule 9—64080
Jolivet, J.M., de Goer, A.M., de Combarieu, A. Low temperature thermal magnetoresistance of Cr_2O_3 9—65266
Jollay, J. *see* Wright, M.A. 9—57092
Jolly, D.C., Poole, C.D. Flashover of contaminated insulators with cylindrical symmetry under DC conditions 9—68967
Jolly, D.L. *see* Freasier, B.C. 9—59526
Jolos, R.V. *see* Afanas'ev, G.N. 9—76014
Joly, E. *see* Gerard, N. 9—56071
Joly, G. *see* Kernevez, J.P. 9—62173
Joly, M. Determination of the stellar populations in the central regions of the galaxies 9—97064
Joly, M. *see* Alloin, D. 9—88721
Joly, M. *see* Bureau, M. 9—79582
Joly, R., Hannah, E.C., Opfer, J.E., Cutler, L.S. Computer simulation of a voltage cell using a Josephson junction 9—93089
Jona, F., Shih, H.D., Jepsen, D.W., Marcus, P.M. On the structure of reconstructed Si{001}2×1 and Ge{001}2×1 surfaces 9—77875
Jona, F. *see* Passler, M. 9—86982
Jonah, C.D., Sauer, M.C., Jr., Cooper, R., Trifunac, A.D. Kinetics of solute excited state formation in the pulse radiolysis of 9,10-diphenyl anthracene and p-terphenyl in cyclohexane solutions 9—79263
Jonas, J., Arndt, E.R. ^{13}C and ^{1}H relaxation in viscous liquid of di-(2-ethylhexyl)phthalate 9—51869
Jonas, J. *see* Fury, M. 9—95665
Jonas, J. *see* Tanabe, K. 9—50026
Jonas, J. *see* Wolfe, M. 9—69008
Jonas, J.J., Heritier, B., Luton, M.J. Anneal hardening and flow softening in beta zirconium-niobium alloys 9—78993
Jonas, J.J. *see* Heritier, B. 9—79045
Jonas, J.J. *see* Petkovic, R.A. 9—91661
Jonas, J.J. *see* Poirier, J.P. 9—79763
Jonas, J.J. *see* Weiss, I. 9—100187
Jonas, P.R., Kent, P.M. Two-dimensional velocity measurement by automatic analysis of trace particle motion 9—64810
Jonasz, M., Zalewski, M.S. Stability of the shape of particle size distribution in the Baltic 9—79876
Jonath, A.D., Anderson, W.W., Thornton, J.A., Cornog, D.G. Copper sulfide films deposited by cylindrical magnetron reactive sputtering 9—78884
Jonathan, J.M.C., May, M. Anisotropy induced in a silver-silver chloride emulsion by two coherent and perpendicular light vibrations 9—55196
Jonathan, J.M.C. *see* Debrus, S. 9—81377
Jonathan, N. *see* Bulgin, D.K. 9—72359
Jonathan, N. *see* Dunlavey, S.J. 9—98153
Jonckheer, M. *see* Coomans, D. 9—53275
Jonckheere, A., Koehler, P.F.M., Auer, I.P., Hill, D., Sandler, B., Underwood, D., Yokosawa, A., Snyder, J., Zeller, M.E., Kline, R.V., Law, M.E., Pipkin, F.M., Johnson, W., Bruckner, W., Chamberlain, O., Steiner, H., Shapiro, G. Polarization measurements in $\pi^{\pm}p$ and pp elastic scattering at 100 and 300 GeV/c 9—63527
Joneja, O.P., Subbukutty, K., Navalkar, M.P. Calculations for tritium breeding per source neutron for fusion blanket models 9—67934
Joneja, S.K. *see* Agarwal, B.D. 9—66138
Jones, A.C. *see* Sondergaard, N.A. 9—98214
Jones, A.D. Computers and the teaching of air-photo interpretation 9—48999
Jones, A.R. On the measurement of the misorientation across low-angle boundaries 9—82237
Jones, A.T., Callabresi, M.L. Numerical analysis of the influence of residual stresses on crack closure in rings 9—77012
Jones, A.V. The calculation of the propagation of tension and recompaction waves 9—68752
Jones, A.Vallance *see* Vallance Jones, A.
Jones, B. *see* Aitken, D.K. 9—75261
Jones, B.C., Raine, D.J. Supercritical accretion on to unmagnetized neutron stars and the galactic bulge X-ray sources 9—80331
Jones, B.F. *see* Eardley, G. 9—77440
Jones, B.G., Adrian, R.J., Nithianandan, C.K., Planchon, H.P., Jr. Spectra of turbulent static pressure fluctuations in jet mixing layers 9—77195
Jones, B.G., Spencer, B.W., Henry, R.E. Interaction of molten UO_2 with stainless steel cladding under TOP accident conditions 9—54515
Jones, B.G. *see* Shiu, K. 9—59147
Jones, B.G. *see* Spencer, B.W. 9—85670
Jones, B.L. Stability and selection in self-reproducing macromolecular systems 9—96507
Jones, B.M.R. *see* Penkett, S.A. 9—84351, 9—84352
Jones, C. *see* Giacconi, R. 9—70941
Jones, C. *see* McLellan, J.S. 9—100706
Jones, C.A., Moore, D.R. The stability of axisymmetric convection 9—77093
Jones, C.A., Stroomer, M.V.C., Voegeli, O., Friedlaender, F.J. Rotating gradient measurement of bubble dynamics 9—51827
Jones, C.E. *see* Freeman, J.R. 9—71731, 9—97539
Jones, C.J. An evaluation of the Auger depth profiling technique as applied to the Ag/InP contact system 9—56893
Jones, C.J., Kirk, D.L. The nature of the interface in silver-(100) InP metal-semiconductor contacts 9—60922
Jones, C.J., Kirk, D.L. Some considerations of the limitations of the Auger-depth-profiling technique as applied to silver metal and (100) surfaces of indium phosphide 9—61473
Jones, C.M. *see* Knudsen, H. 9—54957

Jones, C.O. Space Telescope optics 9—80224
Jones, C.R. *see* Bushnell, A.H. 9—50283
Jones, C.R. *see* Dougal, R.A. 9—72579
Jones, C.R. *see* McDowell, R.S. 9—94218
Jones, D. Auto and cross-correlation analysis techniques on-board spacecraft 9—70925
Jones, D., Paul, J.P. Analysis of variability in pylon transducer signals [amputee biomechanics] 9—74715
Jones, D., Ruckl, R. Production of real photons at large transverse momentum in πp collisions 9—89185
Jones, D.A., Lopez De Haro, M., Pugh, D. A simple model illustrative of some features of polymer dynamics 9—73086
Jones, D.A. *see* Larson, R.E. 9—58041
Jones, D.A. *see* Rooke, D.P. 9—90184
Jones, D.E. *see* Hill, J.E. 9—61947
Jones, D.F. *see* Pearson, G.P. 9—84000
Jones, D.I., Spear, W.E., Le Comber, P.G., Li, S., Martins, R. Electronic transport and photoconductivity in phosphorus-doped amorphous germanium 9—60834
Jones, D.L., Fahrig, W.F. Paleomagnetism and age of the Aston dykes and Savage Point sills of the Boothia Uplift, Canada 9—57846
Jones, D.P., Smith, A.T., Sturrock, G.D., Wright, P. Opthalmic fluorophotometry: an improved slit-lamp fluorophotometer 9—92326
Jones, D.P., Thomas, N., Phillips, W.A. The thermal properties of amorphous arsenic at low temperatures 9—65213
Jones, D.R. *see* Feldman, C.L. 9—70598
Jones, D.R.H. The melting point of solids bounded by curved interfaces 9—82319
Jones, D.R.H. *see* Houghton, D.C. 9—61611
Jones, D.R.T., Kogut, J., Sinclair, D.K. Electrodynamics of the planar model: its phase diagram, continuum limit, and mass spectrum 9—63426
Jones, D.R.T., Petcov, S.T. Heavy Higgs bosons at LEP 9—75718
Jones, D.S. Methods in electromagnetic wave propagation 9—72469
Jones, D.S. Low frequency electromagnetic radiation 9—89837
Jones, D.S., Swinerd, G.G. A note on the intersection of dispersion curves of a fluid-loaded elastic plate 9—77003
Jones, D.W. *see* Forgan, E.M. 9—51788
Jones, E. Stability analysis for MacCormack's time-splitting technique applied to a model conduction problem 9—55361
Jones, E. *see* Griffin, M.D. 9—55419
Jones, E.C., Jr. *see* Ensslin, N. 9—49598
Jones, E.M. *see* Cordey, J.G. 9—86577
Jones, E.P., Smith, S.D. The air density correction to eddy flux measurements 9—66761
Jones, E.R., Jr., Dawson, R. Ferrimagnetism in $FeCoF_5.2H_2O$ 9—87240
Jones, F.C. The dynamical halo and the variation of cosmic-ray path length with energy 9—53675
Jones, F.C. *see* Volk, H.J. 9—58402
Jones, F.E. The air density equation and the transfer of the mass unit 9—88918
Jones, F.W. The calculation of magnetotelluric quantities for three-dimensional conductivity inhomogeneities 9—53299
Jones, F.W. *see* Hibbs, R.D. 9—66609
Jones, G. The production of pions by polarized protons incident on hydrogen and deuterium 9—67754
Jones, G. Nucleon-induced experiments above pion threshold 9—80944
Jones, G. $p\pi$ reaction on light nuclei 9—85460
Jones, G., Caroline, D. Intramolecular motion of polystyrene in a theta mixed solvent by photon-correlation spectroscopy 9—77480
Jones, G., Collins, R.A. Threshold and memory switching in amorphous selenium thin films 9—82651
Jones, G.A., Puchalska, I.B. The birefringent effects of magnetic colloid applied to the study of magnetic domain structures 9—51809
Jones, G.D., Kuok, M.H. Zeeman Raman scattering and Zeeman infrared absorption spectra of divalent cobalt ions in several double-chloride crystals 9—56782
Jones, G.D. *see* Edgar, A. 9—61209
Jones, G.D. *see* Ekstron, L.P. 9—59032
Jones, G.D. *see* Mustaffa, O.M. 9—85402
Jones, G.D. *see* Saha, A. 9—49584
Jones, G.E. The Gurney equations for multilayered fragments 9—86367
Jones, G.J. *see* McKinlay, A.F. 9—74762
Jones, G.L. *see* Swartz, S.E. 9—96241
Jones, G.M. *see* Chan, C.W.Y. 9—96544, 9—96545
Jones, G.M. *see* Gantt, R. 9—96615
Jones, G.R. *see* Farrow, R.F.C. 9—87016
Jones, G.R. *see* Walmsley, H.J. 9—60208
Jones, G.R. *see* Whatmore, R.W. 9—99825
Jones, G.T. *see* Doig, P. 9—65140
Jones, H. The generation of sound by flames 9—86422
Jones, H. *see* Sritharan, T. 9—79028
Jones, H. *see* Takami, M. 9—68261
Jones, H.F., Scadron, M.D. Gluon effects and nonet mixing in the current quark picture 9—80799
Jones, H.W. *see* Cost, T.L. 9—50637
Jones, J.D.C., Lister, D.G., Twiddy, N.D. Charge-transfer reaction rate coefficients for He^+ and Ne^+ with Ar at 300K 9—91932
Jones, J.J. *see* Cooper, D.M. 9—98116
Jones, K. Abrupt depletion layer approximation for the metal insulator semiconductor diode 9—58473
Jones, K. *see* Williams, E.W. 9—82501
Jones, K.A. The lattice mismatch between (112) chalcopyrite films and (0001)CdS substrates 9—87012
Jones, K.L., Arvidson, R.E., Guinness, E.A., Bragg, S.L., Wall, S.D., Carlston, C.E., Pidek, D.G. One Mars year: Viking lander imaging observations 9—80265
Jones, K.W. *see* Fintz, P. 9—76501
Jones, K.W. *see* Johnson, B.M. 9—54828
Jones, K.W. *see* Rohatgi, A. 9—70186
Jones, K.W. *see* Shroy, R.E. 9—52803
Jones, L.H. Measurement and analysis of the ν_2 bands of $^{14}ND_3$ and $^{15}ND_3$ 9—59456
Jones, L.H. *see* Coleman, W.F. 9—50043
Jones, L.H. *see* Hruschka, A.A. 9—49906
Jones, L.M., Walker, R.L., Kesler, S.E., Lewis, J.F. Strontium isotope geochemistry of Late Cretaceous granodiorites, Jamaica and Haiti, Greater Antilles 9—57927
Jones, L.M. *see* DeWitt, R.J. 9—63479
Jones, L.W. *see* Burke, D.L. 9—49554
Jones, L.W. *see* Roe, B.P. 9—63537
Jones, M., Van der Voo, R., Bonhommet, N. Late Devonian to Early Carboniferous palaeomagnetic poles from the Armorican Massif, France 9—84100
Jones, M.C. *see* Daney, D.E. 9—82404
Jones, M.D., Massey, G.A. Milliwatt-level 213 nm source based on a repetitively Q-switched, CW-pumped Nd:YAG laser 9—55178
Jones, M.D.R. *see* Peterson, E.L. 9—92255
Jones, M.I. *see* Marks, R.J., II 9—94165
Jones, M.W. *see* Cundall, R.B. 9—71538, 9—72344
Jones, O.C. *see* Leung, J.C.M. 9—54529
Jones, O.C., Jr. *see* Greene, G.A. 9—49757, 9—49778, 9—85616
Jones, P.G., Rumpel, H., Schwarzmann, E., Sheldrick, G.M., Paulus, H. Gold(III) oxide 9—69074
Jones, P.L. *see* Novick, S.E. 9—54922, 9—64042
Jones, P.N. *see* Edmonds, D.V. 9—57101
Jones, P.R.M. *see* Dighton, G.P. 9—70600
Jones, R. Ionization stability of discharges sustained by primary electrons 9—50910
Jones, R. A source of error in cusp plasma leak measurements 9—60197
Jones, R. Dislocation states in gallium arsenide 9—60762
Jones, R. Exterior electric probes for plasma physics experiments 9—62979
Jones, R. Categorization of high-β equilibria in Tokamaks of arbitrary cross section 9—64888
Jones, R. Ionization enhancement of the differential pumping of gas discharge columns 9—67330
Jones, R. Turbulent heating of Tokamak plasma by runaway electron beam-plasma instability 9—73020
Jones, R. Observations of the cross-field ion acoustic instability in the asymptotic quasilinear limit 9—77379
Jones, R. Theoretical calculations of electron states associated with dislocations 9—82544
Jones, R. *see* Brown, R.G.W. 9—50827
Jones, R. *see* Wendth, A.J. 9—92398
Jones, R.A. Fabrication of small nonsymmetrical aspheric surfaces 9—64365
Jones, R.A. Grinding and polishing with small tools under computer control 9—98516
Jones, R.B. Diffusion of tagged interacting spherically symmetric polymers 9—81314
Jones, R.C. *see* Yates, G.J. 9—61084
Jones, R.D. *see* Nichols, J.A. 9—74795
Jones, R.E. Intercomparisons of laboratory determinations of airborne sound transmission loss 9—86293
Jones, R.G., Perry, D.L. Fractional and zero order desorption kinetics of adsorbed monolayers: the role of attractive lateral interactions in the Hg/W(100) system 9—60634
Jones, R.G. *see* Dowben, P.A. 9—82465
Jones, R.H. *see* Bates, B.B. 9—57762
Jones, R.L., Yaggee, F.L., Stoehr, R.A., Cubicciotti, D. Threshold conditions for iodine-induced stress corrosion cracking of unirradiated Zircaloy-4 tubing under internal pressurization 9—66206
Jones, R.L. *see* Miller, A.K. 9—93729
Jones, R.L. *see* Smith, D.L. 9—84198
Jones, R.O. Molecular bonding in group IIA dimers Be_2-Ba_2 9—97994
Jones, R.O. *see* Harris, J. 9—76367
Jones, S. Interactions and instabilities of barotropic and baroclinic Rossby waves in a rotating, two-layer fluid 9—57955
Jones, S. Rossby wave interactions and instabilities in a rotating, two-layer fluid on a beta-plane. I. Resonant interactions 9—77145
Jones, S.A. *see* Ambos, H.D. 9—70639
Jones, S.E., Gillis, P.P., Shalaby, A.H. Stress distributions in the vicinity of a neck 9—81737
Jones, S.T. Flavoring and cylinder renormalizations of the Pomeron 9—67524
Jones, T.B. A necessary condition for magnetic levitation 9—98260
Jones, T.B., Kallio, G.A. Dielectrophoretic levitation of spheres and shells 9—81318
Jones, T.B., Spracklen, C.T., Stewart, C.P. Real-time updating of MUF predictions [ionospheric radiowave propagation] 9—58179
Jones, T.B. *see* Tilbrook, A.P. 9—75004
Jones, T.W. *see* Armenise, N. 9—67533
Jones, T.W. *see* Bonetti, S. 9—49509
Jones, T.W. *see* Morfin, J.G. 9—71740
Jones, V.L. *see* Rourke, M.D. 9—50418
Jones, V.O. *see* Knotek, M.L. 9—82459
Jones, W., Dunleavy, H.N. The calculation of electromigration forces and resistivities for liquid binary alloys 9—82572
Jones, W., Thomas, J.M. Applications of electron microscopy to organic solid-state chemistry 9—60235
Jones, W. *see* Daly, M.J. 9—79639
Jones, W.G. *see* Binnie, D.M. 9—54343
Jones, W.G. *see* Brandelik, R. 9—63491, 9—93441
Jones, W.G. *see* Karami, H. 9—75789
Jones, W.H., Yarosh, M.M. Structuring a small national or state solar energy program 9—57385
Jones, W.H., Yarosh, M.M. Structuring a small national or state solar energy program 9—66403
Jones, W.J. *see* Freedman, P.A. 9—61354
Jones, W.L., Jr. *see* Jackson, B.L. 9—84298
Jones, W.P. *see* Friesel, D.L. 9—54720, 9—72087
Jones, W.R. *see* Gyorgy, E.M. 9—78120
Jones, W.V. National cosmic ray facility to study high energy physics and primary composition from 10^{14} to 10^{18} eV 9—62704
Jones, W.V. *see* Sulak, L. 9—59317
Jong, A.de *see* de Jong, A.
Jong, A.F.M.de *see* de Jong, A.F.M.
Jong, D.De *see* De Jong, D.
Jong, F.de *see* de Jong, F.
Jong, K.P.de *see* de Jong, K.P.
Jong, M.de *see* de Jong, M.
Jong, M.S.de *see* de Jong, M.S.
Jong, T.de *see* de Jong, T.
Jong Hee Cha Some experimental investigations on solar space heating in Korea 9—57409
Jong-Ha Hong *see* Hyun-Joon Shin 9—55902
Jonge, W.J.M.de *see* de Jonge, W.J.M.
Jongejans, B. *see* Gurtu, A. 9—49517
Jongen, Y., Pirart, C., Ryckewaert, G., Steyaert, J. An electron cyclotron resonance source for CYCLONE 9—54676
Jongen, Y., Pirart, C., Ryckewaert, G., Steyaert, J. Status of the ECR heavy ion source and its interfacing with Cyclone 9—72116
Jongh, L.J.de *see* de Jongh, L.J.
Jongh, L.J.De *see* De Jongh, L.J.
Jonghe, L.C.De *see* De Jonghe, L.C.
Jonker, J.J. *see* Leenhouts, F. 9—90711
Jonker, M., Panman, J., Udo, F., Allaby, J.V., Amaldi, U., Barbiellini, G., Baroncelli, A., Cocconi, G., de Groot, J.G.H., Flegel, W., Gall, P.D., Kozanecki, W., Longo, E., Mess, K.H., Metcalfe, M., Meyer, J., Orr, R.S., Savoy-Navarro, A., Schneider, F., Busser, F.W., Wetherell, A.M., Winter, K., Busser, F.W., Grote, H., Heine, P., Kroger, B., Niebergall, F., Stahelin, P., Grigoriev, E., Kaftanov, V., Khovansky, V., Rosanov, A., Borgia, B., Bosio, C., Capone, A., Ferroni, F., Monacelli, P., de Notaristefani, F., Pistilli, P., Santoni, C., Valente, V. Polarization of positive muons produced in high-energy antineutrino interactions 9—93399
Jonkman, H.T., Michl, J., King, R.N., Andrade, J.D. Low-temperature positive secondary ion mass spectrometry of neat and argon-diluted organic solids 9—74441
Jonscher, A.K., Deori, K.L., Reau, J.-M., Moali, J. The dielectric response of $K_xAl_xTi_{8-x}O_{16}$ and $K_xMg_{x/2}Ti_{8-x/2}O_{16}$ 9—65785
Jonscher, A.K., Meca, F., Millany, H.M. Charge-carrier contributions to dielectric loss 9—56718
Jonscher, A.K. *see* Deori, K.L. 9—56709
Jonscher, A.K. *see* Hill, R.M. 9—65478
Jonson, B. *see* Azuma, R.E. 9—93550
Jonson, B. *see* Carraz, L.C. 9—85407
Jonson, B. *see* Dam, P. 9—68116
Jonson, B. *see* Ewan, G.T. 9—71820
Jonson, B. *see* Pahlm, O. 9—70678
Jonson, B. *see* Schardt, D. 9—93567
Jonsson, A., Rec, J.R., Singh, U.N. Verification of a fuel assembly spectrum code based on integral transport theory 9—80996
Jonsson, A. *see* Axelsson, K. 9—92392
Jonsson, G. On a method to determine the charges of nuclei stopping in nuclear emulsion 9—85363
Jonsson, G. *see* Bjarle, C. 9—80155
Jonsson, G. *see* Jacobsson, L. 9—84609
Jonsson, G.G. *see* Nulow, B. 9—54430
Jonsson, L. *see* Albrow, M.G. 9—75805
Jonsson, O. *see* Hoistad, B. 9—59061
Jonsson, O. *see* Ingemarsson, A. 9—59060
Jonsson, T., McBryan, O., Zirilli, F., Hubbard, J. An existence theorem for multimeron solutions to classical Yang-Mills field equations 9—92960

Jonsson, T. *see* Paris, R. 9—85618
Jonzen, M.R. Mass-energy analyses for gas-cooled fast reactor and fusion-fission hybrid reactor systems 9—81085
Joon, E.R. *see* Brandt, N.B. 9—61053
Joong Keun Park, Offret, S. Attack morphology of stress corrosion cracking in stainless steel 9—83368
Joos, B., Das, A.K., Wallace, P.R. A variational approach to resonances in zero-gap semiconductors 9—82559
Joos, B. *see* Das, A.K. 9—60754
Joos, P. *see* Brandelik, R. 9—63491
Jordan, A., Rakowski, W. Application of finite element method to analysis of stationary boundary value problems in electrical sciences 9—98258
Jordan, A.D., Kalantar, A.H. Entropy changes: A laboratory experiment 9—71194
Jordan, A.G. *see* Johnson, B.C. 9—77840
Jordan, C., Bartoe, J.-D.F., Brueckner, G.E., Nicolas, K.R., Sandlin, G.D., VanHoosier, M.E. CO emission lines in the solar atmosphere 9—53795
Jordan, C. *see* Bartoe, J.-D.F. 9—53794
Jordan, K.D. *see* Blickensderfer, R.P. 9—85898
Jordan, K.D. *see* Kurtz, H.A. 9—49945, 9—86089
Jordan, K.D. *see* Rossi, A.R. 9—63912
Jordan, K.D. *see* Seiders, B.A.B. 9—49944, 9—72253
Jordan, K.N. Tamper-indicating seal program development and implementation at Rockwell Hanford Operations [nuclear facilities safety] 9—85689
Jordan, L.Smith *see* Smith Jordan, L.
Jordan, M. *see* Blanar, G.J. 9—93473
Jordan, P. *see* Brunwin, R. 9—65402
Jordan, P. *see* Peaker, A.R. 9—99560
Jordan, P.C. Field dependent chain formation by ferromagnetic colloids 9—100451
Jordan, R. *see* Kubovy, M. 9—88084
Jordan, T.H. The deep structure of the continents 9—66665
Jordan, W. *see* Schuchman, J.C. 9—81106
Jordan, W.J. *see* Chiou, M.S. 9—93660
Jordanov, J.D., Sabotinov, L.S. Computation of fast breeder reactors in a one-dimensional geometry 9—85602
Jorgensen, B. A theoretical model of the stable sulfur isotope distribution in marine sediments 9—92523
Jorgensen, J.-E., Rasmussen, S.E. Growth of chromium silicide, Cr_3Si, crystals 9—74084
Jorgensen, K. *see* Andersen, J.U. 9—85568
Jorgensen, L.W., Sillesen, A.H. Determination of the ion velocity distribution in a rotating plasma from measurements of Doppler broadening 9—50894
Jorgensen, P. *see* Albertsen, P. 9—63933
Jorgensen, P. *see* Yeager, D.L. 9—85889, 9—93907
Jorgensen, U.G. Spiral galaxies and the density wave theory 9—92859
Jorgensen, W.J. Monte Carlo simulations of liquid hydrogen fluoride 9—64967
Jorgensen, W.L. Basis set dependence of the structure and properties of liquid hydrogen fluoride 9—82134
Jornada, E.H.Da *see* Da Jornada, E.H.
Jornada, J.A.H.da *see* da Jornada, J.A.H.
Jornada, J.A.H.de *see* de Jornada, J.A.H.
Jornvall, H. *see* Wills, C. 9—74594
Joron, J.L. *see* Bougault, H. 9—88334
Joron, J.-L. *see* Hamelin, B. 9—53329
Jortner, J., Ulstrup, J. Tunnelling in low-temperature atom-transfer processes 9—66263
Jortner, J. *see* Amirav, A. 9—98144
Jortner, J. *see* Beswick, J.A. 9—68278, 9—94060
Jortner, J. *see* Cheshnovsky, O. 9—65947
Jortner, J. *see* Danor, R. 9—61452
Jortner, J. *see* Godzik, K. 9—51513, 9—69458
Jortner, J. *see* Klafter, J. 9—99502, 9—99503
Jortner, J. *see* Sage, M.L. 9—54833
Jortner, J. *see* Schek, I. 9—54927, 9—59518, 9—68281, 9—76404
Josa, J.M. The processing plant for uranium bearing ores at Saelices El Chico (Salamanca) 9—59231
Jose, J.V. Finite susceptibility phase in the disordered two dimensional X-Y model 9—61031
Jose, J.V., Sahni, P.R. Duality, solitons, and dilute-gas approximation in the one-dimensional X-Y model with symmetry-breaking fields 9—73742
Josefowicz, J.Y., Chung Ching Yang, Popovic, Z. New charge-transfer mechanism across the interface between selenium and polystyrene hexylmethacrylate 9—99627
Joseph, C. *see* Alder, J.-C. 9—85381
Joseph, C. *see* Gabioud, B. 9—67600
Joseph, C. *see* Strassner, G. 9—89280
Joseph, C. *see* Tran, M.T. 9—93665
Joseph, D.D. Perturbation of states of rest and rigid motion of simple fluids and solids 9—59958
Joseph, D.D. *see* Beavers, G.S. 9—60025
Joseph, D.D. *see* Yoo, J. 9—68766
Joseph, D.W. *see* Spicer, C.W. 9—92110
Joseph, G. *see* Appa Rao, M.V.K. 9—84636
Joseph, K.T., Singa Rao, K. A fast algorithm for triangular plate bending element 9—72830
Joseph, P.L. *see* Pickard, R.S. 9—84049
Joseph, R.A., Gasparini, F.M. Finite size scaling of the specific heat of ^{4}He in Vycor glass 9—56015
Joseph, R.J. *see* Cottingame, W.B. 9—85535
Joseph, R.J. *see* Morris, C.L. 9—93505
Josephic, P.H. *see* Oriani, R.A. 9—61635, 9—79053
Josephs, R.M. *see* Bekebrede, W.R. 9—82845
Joshi, A. Influence of density and distribution of intergranular sulfides on the sulfide stress cracking properties of high strength steels 9—74291
Joshi, A. *see* Padamsee, H. 9—56895
Joshi, B.K., Sharma, R.S. Unsteady flow of visco-elastic fluid through long circular ducts 9—77249
Joshi, C., Richardson, M.C., Enright, G.D. Quantitative measurements of fast ions from CO_2 laser-produced plasmas 9—73033
Joshi, C.J., Chapman, G.D., Sancton, R.W. A Fourier transform technique for quantitative assessment of ion tracks in cellulose nitrate film 9—86610
Joshi, G.C., Pande, M.C. On the presence of SH in the sunspot spectrum 9—75186
Joshi, G.C., Punetha, L.M., Pande, M.C. (A-X) system of SiO in sunspots 9—75187
Joshi, G.C. *see* Anderson, R. 9—75739, 9—93393
Joshi, G.C. *see* Pandey, M.C. 9—94769
Joshi, G.K. *see* Singh, M. 9—98113
Joshi, K.M., Ganu, G.M. Measurement of ionic activities in aqueous solutions using epoxy-based ion exchange membrane electrode 9—74392
Joshi, K.P. *see* Bennikutty, S. 9—93522
Joshi, M.C. *see* Yadav, A.D. 9—90692, 9—99455
Joshi, R.V., Chaudhari, R.T. Thermoluminescence of KBr:Tl excited by ultraviolet radiation and X-rays 9—87513
Joshi, S., Astarita, G. Diffusion-relaxation coupling in polymers which show two-stage sorption phenomena 9—94864
Joshi, S. *see* Astarita, G. 9—52766
Joshi, S.K. *see* Kumar, V. 9—69330, 9—77873
Joshi, S.K. *see* Srivastava, V. 9—69473
Joshi, S.P. *see* Kar, S. 9—61979
Joshi, Y.N. *see* Mazzoni, M. 9—85937
Joshi, Y.N. *see* van Kleef, T.A.M. 9—54794
Joshi, Y.N. *see* van Kleef, Th.A.M. 9—93942
Joshi, Y.P. *see* Singh, D.P. 9—73354
Joshipura, A.S. Melosh transformation in interacting quark theories 9—49464
Josien, F.-A. *see* Duquenoy, G. 9—66280
Joskowicz, G., Weber, H., Glogar, D., Steinbach, K. A method for flexible datapresentation in DCG-processing 9—70681
Joslin, T.A. *see* Adam, H.H. 9—100391
Joss, P.C., Katz, J.I., Rappaport, S.A. Synchronous rotation in magnetic X-ray binaries 9—62867
Joss, P.C. *see* Van Paradijs, J. 9—84871
Joss, W., van der Mark, W. Stress dependence of the Fermi surface of lead 9—65362
Joss, W. *see* Cole, L. 9—56114
Josserand, P. Instruments and systems for the study, surveillance and acoustic control of the surrounding noise 9—76913
Jost, D. *see* Sartorius, R. 9—96826
Jost, K. Fringing field correction for 127° and 180° electron spectrometers 9—89042
Jost, K. Novel design of a 'spherical' electron spectrometer 9—89043
Jost, K., Ohnemus, B. Absolute total cross sections for electron-mercury scattering 9—59570
Jost, R., Lombardi, M., Freund, R.S., Miller, T.A. The 3d-triplet complex of molecular hydrogen: the measured Zeeman effect and the calculated eigenvectors and g-factors 9—72353
Jost, S., Pernick, B.J. Temporal measurements in the spatial frequency spectrum of liquid crystal image transducers 9—76810
Jostell, U. Plasmons in monolayer Na, K and Rb films adsorbed on Ni(100) 9—61480
Jostlein, H., Engelmann, R.J., Fisk, R.J., Good, M.L., Ito, A.S., Kaplan, D.M., Kephart, R.D., McCarthy, R.L., Wahl, H., Herb, S.W., Hom, D.C., Lederman, L.M., Sens, J.C., Snyder, H.D., Yoh, J.K., Appel, J.A., Brown, B.C., Brown, C.N., Innes, W.R., Ueno, K. Inclusive production of large-transverse-momentum hadrons and hadron pairs 9—89310
Josue, M., Thegner, G., Skull, G. Data processing and data collection in Super-Phenix [power station] 9—76107
Joswig, W. *see* Korekawa, M. 9—94970
Joswig, W. *see* Takeuchi, Y. 9—99159
Jotautis, A. *see* Dudonis, J. 9—82483
Jou, D., Rubi, J.M. Heat fluctuations and a generalized Gibbs equation 9—76940
Jou, L. *see* Lee, B.W. 9—82661
Jou Dong Chuang *see* Dong Chuang Jou
Jou Fang-Yuan *see* Fang-Yuan Jou
Jouanin, C., Yangui, B., Cesari, C., Boulesteix, C., Nihoul-Boutang, G. Semi-quantitative study of contrast near bend contours of upper Laue areas with the incident electron beam nearly parallel to a crystallographic axis 9—55621
Jouanne, M., Morhange, J.F., Balkanski, M. First and second order Raman scattering by pair modes in silicon 9—65869
Joubert, A. *see* Bieth, C. 9—72118
Joubert, J. *see* de Villiers, A.M.M. 9—83891
Joubert, J.C. *see* Bochu, B. 9—90615
Joubert, J.C. *see* Muller, J. 9—55713, 9—55720
Joubert, M., Millot, J.-P., Gautier, A. The DMA control system: one way to meet projected utility needs 9—97842
Joubert, P.N. *see* Hunt, I.A. 9—60064
Joud, J.C. *see* Goumiri, L. 9—69325
Joud, J.C. *see* Molinari, C. 9—77884
Jouffrey, B. *see* Dorignac, D. 9—66595
Jouini, N. *see* Guen, L. 9—73140
Joullie, A., Gautier, P., Monteil, E. The Al-Ga-Sb ternary phase diagram and its application to solution growth 9—74135
Joullie, A. *see* Aulombard, R.L. 9—65999
Jourdain, G. *see* Fargetton, H. 9—70920
Jourdain, J.L., Le Bras, G., Poulet, G., Combourieu, J. Determination of rate constants of the reactions of N_3 and NCl free radicals using a simulation technique 9—74342
Jourdan, A. *see* Cachenaut, J. 9—63194
Jourdan, C. *see* Gastaldi, J. 9—55753
Jourdan, C. *see* Michel, R. 9—83383
Journet, A. *see* Assus, P. 9—62755
Jousset, J. *see* Courau, A. 9—67529
Jousset, J.C. *see* Dunlop, A. 9—51159
Joussot-Dubien, J. *see* Davidson, R.S. 9—59499
Jouve, G., Goube, J. Electronic conduction in thin anodic oxide films on titanium 9—95512
Jouve, G. *see* Politi, A. 9—66217
Jouve, H. Specific properties of ion implanted bubble circuits 9—78473
Jouve, H. *see* Magnin, J. 9—78455
Jouve, H. *see* Prasad, S. 9—73822
Jouve, P. *see* Barbe, A. 9—64001, 9—84371
Jouve, P. *see* Marche, P. 9—66764
Jouvenaux, S. *see* Guillemet, B. 9—88447
Jouvet, B., Phythian, R. Quantum aspects of classical and statistical fields 9—58585
Jouzel, J. *see* Lorius, C. 9—92586
Jovanovic, J., Djuric, M., Askovic, R. Higher-order approximations in the theory of the nonstationary boundary layer and their parametric treatment 9—86419
Jovanovic, R. *see* Vukicevic, J. 9—55131
Jovanovich, J.V. Criteria for the choice of p-p bremsstrahlung experiments 9—67587
Jover, P. *see* Savornin, J.L. 9—76097
Jovic, Dj. *see* Davidovic, M. 9—55649
Jovic, D.M., Davidovic, M.P. Study of structural and dynamical properties of liquid metals 9—55648
Jow, H.N. *see* Alzona, J. 9—83654
Jowko, A. *see* Ermakov, A.N. 9—57265
Joy, D.C. *see* Maher, D.M. 9—100000
Joy, D.C. *see* Hren, J.J. *(editor)* 9—97479
Joy, D.S. *see* Godbee, H.W. 9—54541
Joy, M. *see* Hojvat, C. 9—67971, 9—68099
Joy, T., Strieder, W. Effective-medium theory of the conductivity for a random-site honeycomb lattice 9—56178
Joyce, G. *see* D'Angelo, N.D. 9—53691
Joyce, J.T. *see* Failes, R.L. 9—81302
Joyce, R.L. *see* Turk, R.R. 9—59849
Joyce, R.R. *see* Bally, J. 9—53864
Joyce, R.R. *see* Simon, M. 9—71095
Joyce, R.R. *see* Simon, T. 9—62882
Joyce, T. *see* Igo, G. 9—80916
Joyce, T.M. *see* Frankignoul, C. 9—57957
Joyce, W.B. *see* Dixon, R.W. 9—55138, 9—81426, 9—94233
Joye, B., Schneider, H. Effect of abnormal skin in an argon plasma 9—86584
Joyes, P. A model for the secondary emission of slow ions 9—56902
Joyeux, D. Measurement in real time of transversal micro-vibrations (down to 1 Å) on diffusing objects: random moire captors 9—85123
Joyner, R.L., D'Amato, D.P. Visual evoked response measurement employing a computerized rapid random flash technique 9—83776
Joyner, R.W., Roberts, M.W., Salaita, G.N. The oxidation of cadmium (0001) studied by low energy electron diffraction (LEED) and Auger electron spectroscopy (AES) 9—87756
Joyner, W.B. *see* Brabb, E.E. 9—88273
Joynes, H.W. *see* Bennett, E.W. 9—96123
Jozwiak, Z., Leyko, W. Changes of adenylate energy charge of hog blood lymphocytes, platelets and erythrocytes following gamma irradiation 9—57718
Ju, K., Humphrey, F.B. Gradientless propulsion for S=1 bubble in ion-implanted bubble garnets 9—78470
Ju Choi *see* Hyung Sup Choi 9—91652
Ju He *see* He Ju
Ju Hsfen-Wen *see* Hsfen-Wen Ju
Ju Kochan *see* Kochan Ju
Ju-fei Tang *see* Tang Ju-fei
Jucys, A.J., Garska, E.P., Pagalyte, R.N. Transverse acoustoelectrical effect in a layered $LiNbO_3$-CdS structure 9—69567
Judah, J. *see* Leiper, W. 9—78581

Judd, B.R. Exact solutions to a class of Jahn-Teller systems 9—60774
Judd, D.J., Norman, G.A., Coble, A.J., Ferguson, G.A. Observation of magnetically quenchable positronium-like systems in γ-Al_2O_3 9—87065
Judd, D.J. *see* Kiefl, R.F. 9—56679
Judd, D.M. *see* Hoftiezer, J.H. 9—85509
Judd, M.D. *see* Debeir, M. 9—70387
Judd, R.L. *see* Shoukri, M. 9—55379
Judeikis, H.S., Wren, A.G. Laboratory measurements of NO and NO_2 depositions onto soil and cement surfaces 9—70477
Judell, N. *see* Dillman, R. 9—62388
Judge, A.S. *see* Hyndman, R.D. 9—100819
Judge, A.S. *see* Lewis, T.J. 9—70429
Judge, D.L. *see* Wu, C.Y.R. 9—94041
Judge, D.L. *see* Wu, F.M. 9—66973, 9—96875
Judin, L. *see* Venikov, N. 9—54651
Judin, T. *see* Hautojarvi, P. 9—55785
Judy, A.F., Mathis, T.D. Welded optical-fiber signal splitter 9—50432
Judy, J.H. *see* Gill, H.S. 9—73346
Jue-lian Shem *see* Wu-yan Lai 9—73730
Juergens, R.C. Future computer program requirements for design of infrared optical systems 9—86260
Jug, G. *see* Boucher, J.P. 9—73733
Jug, G. *see* Boucher, J.-P. 9—61255
Jugnet, Y. *see* Duc, T.M. 9—100020
Juh Tzeng Lue Wavelength-modulating spectrometer implemented with photovoltaic photodiodes 9—80699
Juh Tzeng Lue The fabrication of Schottky-barrier solar cells by electroless nickel plating 9—83591
Juhala, R. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Juhasz, A. Electron microscopic study of grain boundary dislocations 9—55751
Juillard, M. *see* Aune, B. 9—72171
Juillen, J.-C. *see* Arnal, D. 9—77066
Juillerat, M. Features of concentrated solar cells 9—83602
Juillerat, R. *see* Boudon, Y. 9—75505
Juillot, P. *see* Braun, H. 9—58969, 9—93450
Julea, Th. *see* Badescu, St. 9—86199
Jules, C. *see* Hall, M.O. 9—62249
Julesz, B. *see* Caelli, T. 9—79554
Julia, B., Toulouse, G. The many-defect problem: gauge-like variables for ordered media containing defects 9—88889
Julian, D.G. *see* Murray, A. 9—70664
Julian, G.M. *see* Jha, S. 9—78580
Juliano, R.A., Jr. *see* Einstein, F.S. 9—50194
Julien, J. *see* Bowles, T. 9—93663
Julien, J. *see* Legrain, R. 9—85499
Julien, M. *see* Cozar, R. 9—91713
Julien-Pouzol, M., Jaulmes, S., Laruelle, P. Crystal structure of thallium bismuth sulphide $Tl_4Bi_2S_5$ 9—69063
Julien-Pouzol, M. *see* Alapini, F. 9—78946
Julien-Pouzol, M. *see* Flahaut, J. 9—86757
Julienne, P.S., Krauss, M. Role of the III(1/2)-II(1/2) transition in rare-gas-halide kinetics 9—94211
Julienne, P.S. *see* Mies, F.H. 9—59675
Jull, E.V. Reflection circular polarisers 9—76551
Jullian, S. *see* Cosme, G. 9—58968
Jullien, D. *see* Flandrois, S. 9—73122
Jullien, J., Requin, F., Stahl-Lariviere, H. Approximate calculations of rotatory power 9—54989
Jullien, P., Bornecque, D., Szafarz, D. Effects of X irradiation of one or both partners on mammalian cell ability to form viable hybrids 9—88138
Jullien, R., Penson, K.A., Pfeuty, P. The Ising model in the transverse field on comb-like ramified linear structures 9—71374
Jullien, R., Pfeuty, P. Zero-temperature renormalization-group method for quantum systems. II. Isotropic X-Y model in a transverse field in one dimension 9—82800
Jullien, R. *see* Penson, K.A. 9—82801
Jullien, R. *see* Uzelac, K. 9—97317
Jumas, J.C., Philippot, E., Maurin, M. Structure of synthetic rhodostannite 9—99137
Jumas, J.-C. *see* Colombet, P. 9—52636
Jumonji, H., Tanaka, K., Toyama, J., Takaoka, H., Kariya, K., Kawada, J. A new low voltage, maintenance-free, cesium beam tube for a frequency standard 9—54103
Jump, M.J. *see* Bastin, J.J. 9—89474
Jun Ki Chan *see* Ki Chan Jun
Jun-Da Ling *see* Ling Jun-Da
Jun-dao Cai *see* Cai Jun-dao
Jun-han You *see* You Jun-han
Jun-hao Chu *see* Chu Jun-hao
Jun-ping Jiang *see* Jiang Jun-ping
Jun-xiu Zhang *see* Zhang Jun-xiu
Jundao Cai *see* Cai Jundao
Jundt, F. *see* Fintz, P. 9—67711
Jundt, F. *see* Guillaume, G. 9—67627
Jundt, F.C. *see* Fintz, P. 9—76501
Jung, A. Product-related systematic design 9—72649
Jung, B. *see* Forsberg, J.O. 9—62298
Jung, C. *see* Weingartshofer, A. 9—81289
Jung, Ch., Kawski, A., Zukowska, M.I. The vibronic structure of Shpolskii spectra of anthracene, 9-methyl- and 9,10-dimethylanthracene in n-hexane at 77K. II. Absorption 9—59507
Jung, G. *see* Kratz, K.-L. 9—93559
Jung, G. *see* Ristori, C. 9—49610
Jung, G. *see* Schussler, F. 9—59039
Jung, G. *see* Scott, S.M. 9—93499
Jung, H. *see* Suter, M. 9—52801
Jung, H. *see* Zywietz, F. 9—66490
Jung, H.J., Kerschgens, M., Raschke, E. Modelling the transfer of radiation in the atmosphere 9—53520
Jung, L. *see* Chen, N.C.J. 9—58002
Jung, M. *see* Read, A.L. 9—49510
Jung, P. *see* Reiley, T.C. 9—57192
Jung, R. *see* Risselada, T. 9—72119
Jung, R. *see* Zanker, K.S. 9—100661
Jung, T., Braune, W. On the deformation model of the carrier spectrum for bismuth-type crystals. I. Electrons 9—51469
Jung, T., Braune, W. On the deformation model of the carrier spectrum for bismuth-type crystals. II. Holes 9—60680
Jung, W. *see* Krug, W. 9—67924
Jung Ting-wen *see* Li Ming-chien 9—61925
Jungblut, H. *see* Schmidt, W.F. 9—60098
Junge, C. The natural cycle of the gases 9—53404
Junge, C.E. *see* Schidlowski, M. 9—84262
Junger, M.C. *see* Cole, J.E., III 9—50485
Jungerman, J.A., Cahill, T.A. The economic aspects of cyclotron applications: a case study at Crocker Nuclear Laboratory 9—54723
Jungerman, J.A. *see* Christenson, D. 9—49887
Jungerman, J.A. *see* Lagunas-Solar, M.C. 9—79648
Jungerman, J.A. *see* Wyckoff, W.G. 9—54719
Junghans, G., Bangert, K., Berg, U.E.P., Stock, R., Wienhard, K. The photodisintegration of ^{6}Li and ^{7}Li 9—75974
Jungman, A. *see* Tittmann, B.R. 9—57197
Jungwirth, H.N. *see* Mumford, F.J. 9—54639
Junhui Huong *see* Huong Junhui
Junker, A. *see* Schwela, D. 9—79429
Junker, K. *see* Mukhopadhyay, N.C. 9—59097
Junkermann, W., Roedel, W., Leidner, L. ^{38}S as tracer in the atmosphere for the removal rate of SO_2 9—53411
Junkermann, W. *see* Roedel, W. 9—70500
Junkkarinen, V.T. *see* Smith, H.E. 9—92876
Junod, A. An automated calorimeter for the temperature range 80-320K without the use of a computer 9—88957
Jupille, J., Bigeard, B., Fusy, J., Cassuto, A. Variation of work function during interaction of oxygen with Nb(110) 9—78823
Jupinov, Ju. *see* Venikov, N. 9—54651
Jupp, A.H. Comments on 'The motion of a satellite in resonance with the second-degree sectorial harmonic' by Dallas and Diehl 9—66910
Jura, J. *see* Truszkowski, W. 9—91670
Jura, M. Dust-to-gas ratio in disk galaxies 9—53903
Jura, M. The ultraviolet phase function of interstellar grains 9—97047
Jurak, A. *see* Hand, L. 9—75979
Juranic, N. *see* Macura, S. 9—56618
Juras, R.C., Ziegler, N.F. A single-crate standalone CAMAC control system for a negative ion source test facility 9—72216
Juravlev, G.A. *see* Cherny, V.V. 9—98467
Juretschke, H.J. *see* Mazumdar, P. 9—56282, 9—56575, 9—60908
Jurgens, B. *see* Hopman, H.J. 9—59258
Jurgensen, K. Dispersion minimum of monomode fibers 9—64310
Jurisch, M. *see* Pan, V.M. 9—95320
Jurisch, R. The tachygraph—a reliable instrument for measurements in field 9—72977
Jurkeiwicz, J. *see* Basztura, C. 9—55272
Jurney, E.T. *see* Gladney, E.S. 9—52836
Jury, J.W., Berman, B.L., Faul, D.D., Meyer, P., McNeill, K.G., Woodworth, J.G. Photoneutron cross sections for ^{13}C 9—63657
Jury, J.W. *see* Johnson, R.G. 9—89288
Jury, J.W. *see* Woodworth, J.G. 9—63656
Juslen, H. *see* Putila, P. 9—85934
Jusserand, C., Gouleau, D., Fontes, J.-Ch. Isotopic behaviour of interstitial water from coastal muds during evaporation 9—79811
Just, H. *see* Lollgen, H. 9—83965
Just, L. *see* Somogy, A. 9—80173
Justesen, D.R. *see* Chernovetz, M.E. 9—100669
Justiniano, E. *see* Hagmann, S. 9—72390
Justus, C.G., Mani, K.K. A model for the simulation of turbulent and eddy diffusion processes at heights of 0.65 km 9—84438
Juswa, G.W. *see* Humphries, S., Jr. 9—89510
Juszewicz, R. *see* Baiburina, S.G. 9—80156
Juszkewicz, R. *see* Baiburina, S.G. 9—80170
Jutsen, J. *see* Bowrey, R.G. 9—83637
Juul Rasmussen, J. *see* Karpman, V.I. 9—77395
Juve-Duc, D., Treheux, D., Guiraldenq, P. Bulk and intergranular autodiffusion of ^{59}Fe in very high purity 18% Cr, 10% Ni austenite 9—55921
Juve-Duc, D., Treheux, D., Guiraldenq, P. Preparation and characterization by radio tracers (Fe59) of a ferrite/austenite interface 9—95272
Jvanov, O.S. *see* Udovsky, A.L. 9—82304
Jwa-Hyeong Cho *see* Min-Kyo Shin 9—91781
Jwo-Min Chen Wind and solar energies in the tornado type wind energy system 9—87959
K. Ly Cheng *see* Cheng K. Ly
Kaa, T.van der *see* van der Kaa, T.
Kaae, J.L. *see* Bullock, R.E. 9—52309
Kaahwa, Y. *see* Hanscomb, J.R. 9—51588
Kaariainen, J. Observing the earth tides with a long water-tube tilt meter 9—100959
Kaarmann, H. *see* Drechsler, M. 9—90862
Kaarmann, H. *see* Joite, S. 9—83087
Kaase, H., Stephan, H.-K. Calibration of radiation detectors in the VUV using a wall-stabilized Ar-cascade arc 9—80679
Kabachnik, N.M. *see* Balashov, V.V. 9—72425
Kabailene, M.V., Kondratene, O.P., Lukoshyavichyus, L.S., Blazhchishin, A.I., Gaigalas, A.I. Paleobotanical and lithological characteristics of Late Quaternary deposits in deep-sea troughs of central and southern parts of the Baltic Sea 9—88332
Kabalkina, S.S. *see* Lityagina, L.M. 9—73311
Kabanov, A.E. *see* Bezuglyi, P.A. 9—99771
Kabanov, N.M., Kokorin, A.I., Rogacheva, V.B., Zezin, A.B. Study of the structure of the triple polymer-metalline complex: polyacrylic acid-polyethyleneimine-cuprum(II) 9—55018
Kabanov, S.V. *see* Sokolovskaya, E.M. 9—52165
Kabanov, V.A., Mustafayev, M.I., Belova, V.V., Yevdakov, V.P. Two types of soluble complexes of bovine serum albumin with polyelectrolytes 9—92120
Kabanova, I.G. *see* Sagaradze, V.V. 9—52210, 9—66050
Kabanskii, A.E., Styrov, V.V. Highly efficient electron accommodation in the interaction between atomic hydrogen and a germanium single crystal 9—78818
Kabasawa, Y. *see* Ishizaka, K. 9—83803
Kabashima, S., Kawakubo, T. Observation of a noise-induced phase transition in a parametric oscillator 9—58665
Kabashima, S. *see* Kawakubo, T. 9—75483
Kabat, D., Tsesnak, L. The optimization of superconducting Helmholtz coils taking into account the dependence of critical current on magnetic induction 9—67353
Kabe, A. *see* Kubo, T. 9—72071
Kabe, S. *see* Kichimi, H. 9—89207
Kabe, S. *see* Sugahara, R. 9—93453, 9—93454
Kabelevskii, M.G. *see* Getsov, L.B. 9—57077
Kabelka, V. *see* Danelyus, R. 9—59765
Kabelka, V. *see* Danielius, R. 9—55187
Kaberline, S.I., Wilkins, C.L. Evaluation of the super-modified simplex for use in chemical pattern recognition 9—52795
Kabkov, G.Ya., Rybal'chenko, Yu.I., Bochkovskaya, R.E., Sbitnev, V.V. Induction tachometers 9—80584
Kabrhel, I. The influence of electric machines on the noise level outside a condensing power plant with 200 MW blocks 9—57548
Kaburagi, M. Conditions for existence of ordered structures 9—51018
Kaburagi, M. Stability of long period stacking variants in the pairwise interaction model 9—94956
Kabuto, M., Suzuki, S. Temporary threshold shift from transportation noise 9—90074
Kabuzenko, S.N. *see* Kozlov, V.P. 9—83202
Kachadorian, J. *see* Converse, A.O. 9—57467
Kachalkin, A.K., Krumshtein, Z.V., Minkova, A.P., Petrukhin, V.I., Suvorov, V.M., Horvat, D., Yutlandov, I.A. Temperature breaking of hydrogen bonds in water by negative pion capture by hydrogen 9—94866
Kachalov, O.V., Grechushnikov, B.I., Ilyukhin, V.V. Influence of the effects of the static field on the vibrations of the $(ReO_4)^-$ ion in rare earth (Nd, Gd, Dy) perrhenates 9—65858
Kachanov, V.A. *see* Apel', V.D. 9—67609, 9—89194
Kachanov, V.A. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Kachanov, V.A. *see* Dzhelyadin, R.I. 9—67556
Kachanov, V.A. *see* Victorov, V.A. 9—67546
Kachanov, Yu.S., Kozlov, V.V., Levchenko, V.Ya. Occurrence of Tolman-Schlichting waves in the boundary layer under the effect of external perturbations 9—90265
Kachapina, L.M., Kaplunov, M.G., Kotov, A.I., Yagubskii, E.B., Borodko, Yu.G. Resonance Raman spectra of conducting tetracyanoquinodimethane, tetrathiotetracene, and tetraselenotetracene complexes 9—56787
Kachen, G.I. *see* Lowdermilk, W.H. 9—86213
Kachhava, C.M. *see* Sharma, K.S. 9—82293
Kachi, S. *see* Kitaoka, Y. 9—56625
Kachi, S. *see* Murakami, Y. 9—66059
Kachi, S. *see* Shigematsu, T. 9—56634

Kachi, S. *see* Ueda, Y. 9—91301

Kachkurova, I.Ya., Yamshchikov, E.F. High-intensity low-voltage tubular lamps containing mixtures of noble gases with continuous spectra for the vacuum ultraviolet region 9—64300

Kachlishvili, Z.S. *see* Gegechkori, T.O. 9—51589, 9—51591

Kachnowski, T. *see* Collins, G.S. 9—61283

Kachru, R., Mossberg, T.W., Hartmann, S.R. Stimulated photon echo study of $Na(3\ ^2S_{1/2})$-CO velocity-changing collisions 9—81258

Kachru, R. *see* Flusberg, A. 9—72409

Kachru, R. *see* Mossberg, T. 9—76503

Kachru, R. *see* Mossberg, T.W. 9—98447

Kachurin, G.A., Nidaev, E.V., Konyshev, V.V. Comparative analysis of the laser and thermal annealing of silicon doped by implantation of small doses 9—69145

Kachurin, G.A. *see* Bagatyrev, V.A. 9—73573

Kachurin, G.A. *see* Dvurechensky, A.V. 9—69124

Kachurin, L.G., Kartsivadze, A.I., Divinskii, L.I., Ivanov, B.D. Evolution of frontal thunderstorms. (Analysis of the radar observations in meter and centimeter ranges of the wavelengths) 9—88405

Kacir, L., Narkis, M. Characterisation of properties of asbestos-reinforced rigid PVC 9—66106

Kacner, M.A., Bartell, L.S. Calculation of radial distribution functions for molecules in excited vibrational states 9—85951

Kacperski, J. *see* Baiburina, S.G. 9—80156, 9—80170

Kacyon, A.R. *see* Altemose, V.O. 9—93152

Kaczmarek, E. *see* Rauluszkiewicz, J. *(editor)* 9—82582

Kaczmarek, F. *see* Szymanski, M. 9—72572

Kadaner, A.P., Mikhailov, O.M. Selection of correcting absorber for silicon photodiodes for luminous measurements in flash photometry 9—72699

Kadanoff, L.P. Lattice Coulomb-gas representation of two-dimensional problems 9—58650

Kadanoff, L.P. Multicritical behavior at the Kosterlitz-Thouless critical point 9—85104

Kadanoff, L.P. *see* Ditzian, R.V. 9—78422, 9—85088

Kadansky, V. *see* Brandelik, R. 9—63491, 9—93441

Kadar, I. *see* Berecz, I. 9—62382

Kadeckova, S. *see* Vanek, P. 9—95914

Kadekaru, K. *see* Palacky, G.J. 9—88246

Kadel, R., Weiss, A. Solubility of hydrogen in CuTi, $CuTi_2$, $PdTi_2$, and $Cu_{0.5}Pd_{0.5}Ti_2$. Reactions of titanium alloys with gaseous hydrogen 9—65197

Kadel, R., Weiss, A. The reaction of gaseous hydrogen with $CuZr_2$ at temperatures above 500°C 9—87841

Kadel, R. *see* Barber, D. 9—54289, 9—54346

Kadel, R.W. *see* Barber, D.P. 9—89175, 9—97631

Kademian, M.T. *see* Wathen, P. 9—62304

Kaden, G., Reimer, H. The impulse-current behaviour of MOS structures with an external p-n junction connected to the substrate with a linear gate voltage 9—56319

Kaden, G., Reimer, H. MOS structures with reverse biased pn-junction applied by a triangular waveform voltage at the gate. I. Impulse current behaviour 9—82675

Kaden, St., Thiemer, K. A more intensive utilization of ground water by means of electronic data processing 9—53377

Kader, B.A., Yaglom, A.M. Turbulence in the region of applicability of the 'half-power law' for a decelerating boundary layer 9—90237

Kader, J.M.Abd El *see* Abd El Kader, J.M.

Kadigrobov, A.M. *see* Slutskin, A.A. 9—65368

Kadikova, S. *see* Aksinenko, V. 9—97713

Kadin, A.M. *see* Skocpol, W.J. 9—65592

Kadiri, A., Martinaud, M., Cazeau-Dubroca, C. Complexation versus aggregation of indoles in glassy hydrocarbons 9—98132

Kadiri, S. *see* Aime, C. 9—101078

Kadkly, A.A.Q. Performance of optical matched filters 9—90012

Kadla, Z.I., Rikhter, N., Khegner, V., Strugatskaya, A.A. Results of equidensity curve measurements of several globular clusters 9—97041

Kadla, Z.I. *see* Gerashchenko, A.N. 9—97043

Kadlec, F. Digital processing of acoustic signals 9—98555

Kadmenskii, S.G. *see* Dumitrescu, T. 9—75925

Kadnikov, O.G., Kobizskoi, V.I. Effect of a magnetic field on photoinduced reactions in radicals 9—92154

Kadokura, S. *see* Omoto, M. 9—64134

Kadom, D.M. *see* Romakniskna Rao, G. 9—96794

Kadomatsu, H., Fujiwara, H. The Curie temperature and the effect of pressure of Ni-based alloys (Ni-Cu, -Pd, -Pt and -Rh) 9—51781

Kadomatsu, H., Kurisu, M., Fujiwara, H. Magnetic and structural phase transition of CeAg at hydrostatic pressure 9—61102

Kadomtsev, B.B. Physics of Tokamaks 9—82103

Kadomtsev, B.B., Kogan, V.I., Smirnov, B.M., Shafranov, V.D. On the fiftieth anniversary of the paper by M.A. Leontovich and L.I. Mandel'shtam ('On the theory of the Schrodinger equation') 9—49090

Kadomtsev, B.B. *see* Velikhov, E.P. 9—71954, 9—76122

Kadomtseva, A.M. *see* Belov, K.P. 9—61107

Kadoshnikova, N.V., Zakharov, V.M., Shul'gin, B.V. Synthesis and luminescence properties of rubidium selenatoindiates 9—91488

Kadota, K., Otsuka, M., Fujita, J. Space- and time-resolved study of impurities by visible spectroscopy in high density regime of JIPP T-II tokamak plasma 9—86619

Kadota, K. *see* Toi, K. 9—86565

Kadota, S. *see* Baba, K. 9—75972

Kadota, Y. *see* Sakamoto, N. 9—54389

Kadri, M. *see* Subramanyam, K.N. 9—51774

Kadrmas, P.F. Logarithmic analogue-digital converter [darkroom light control] 9—93117

Kadyk, J.A. *see* Abrams, G.S. 9—89149, 9—89174

Kadyk, J.A. *see* Rapidis, P.A. 9—75780

Kadyrov, V.Kh. *see* Karpinos, D.M. 9—96135

Kadzhene, G.I. *see* Styro, D.B. 9—92100

Kadzialko-Hofmokl, M. *see* Jelenska, M. 9—66607, 9—92528

Kaem, Yu.Z. *see* Turulov, V.A. 9—83623

Kaetsu, I. *see* Okubo, H. 9—98515

Kafka, D., Turan, J. High intensity neutron sources 9—68114

Kafka, P. Relativistic astrophysics. II 9—101060

Kafka, V. Strain-hardening and stored energy 9—82276

Kafri, O., Bar-Ziv, E. The pumping efficiency of copper halide lasers 9—68385

Kafrouni, H., Bagneux, J.M., Gliezes, A., Vacquie, S. Temporal changes of particle densities and temperatures in a decaying arc discharge 9—64940

Kaftanat, V.N. *see* Biyushkin, V.N. 9—94998

Kaftanoglu, B. *see* Kilkis, B. 9—57466

Kaftanov, S.V., Fedoseev, S.D., Stroganov, V.F., Yakovlev, V.S. Position regulator for stabilizing temperature in high-frequency heating of a carbon material 9—80612

Kaftanov, V. *see* Ammosov, V. 9—71737

Kaftanov, V. *see* Jonker, M. 9—93399

Kaftanov, V.S. *see* Berge, J.P. 9—71741

Kaftanov, V.S. *see* Efremenko, V.I. 9—75763

Kaftanova, A.S. *see* Mikhailov, A.M. 9—70513

Kaga, H., Yosida, K. Anderson orthogonality due to local electron correlation 9—60745

Kagami, H. *see* Goto, N. 9—88304

Kagami, H. *see* Maeda, M. 9—81056

Kagan, A.S., Unikel', A.P. Regarding the X-ray analysis of partially disintegrated martensite 9—52223

Kagan, A.S., Unikel', A.P. Effect of inserted stacking faults on diffraction pattern 9—86803

Kagan, B.A., Polyakov, Ye.V. The effect of ocean tides on the tidal variations of gravity 9—53359

Kagan, B.A. *see* Gotlib, V.Yu. 9—100843

Kagan, D.F., Tyulina, R.M., Maiskaya, V.S. Method for determining the adhesive strength of thin composite polymer films 9—57178

Kagan, D.N. *see* Shpil'rain, E.E. 9—82366, 9—86902, 9—99299

Kagan, G.E. *see* Lobanov, V.V. 9—51307

Kagan, M.R. Ultrasonic excitation for enhanced thermographic detection of cancer 9—79614

Kagan, V.Ye., Shvedova, A.A., Novikov, K.N. Participation of the phospholipases in the 'repair' of photoreceptor membranes exposed to peroxide oxidation 9—53086

Kagan, V.Ye. *see* Karagodin, V.P. 9—92165

Kagan, Y., Kononets, Y.V., Mamontov, A.A. Yield oscillations of inelastic processes under channeling conditions at angles greater than the critical angle 9—77657

Kagan, Yu., Maksimov, L.A. Quantum kinetics of phase transitions at low temperatures 9—51235

Kagan, Yu.M. *see* Friedland, L. 9—55556

Kagan, Yu.M. *see* Zhernov, A.P. 9—69493

Kaganer, V.M. *see* Suvorov, E.V. 9—95013

Kagann, R.H., Ozier, I., McRae, G.A., Gerry, M.C.L. The distortion moment spectrum of GeH_4: the microwave Q branch 9—54845

Kaganov, L.I. *see* Grigor'ev, V.M. 9—80168

Kaganov, M.I. Theory of kinetic phenomena in axial symmetric crystals and in low-symmetry crystals 9—95427

Kaganov, M.I., Karpinskaya, N.S. Role of surface energy in the phase transition from the paramagnetic to ferromagnetic state 9—87260

Kaganov, M.I., Klama, S. Role of quasilocal levels in the de Haas-van Alphen effect 9—69398

Kaganovich, A.Z. *see* Gotlib, B.M. 9—52263

Kaganovich, E.B., Ovsjannikov, V.D., Svechnikov, S.V. Determination of optimal reactive sputtering conditions for the preparation of conductive transparent indium oxide films 9—95295

Kaganoviskii, Yu.S. *see* Geguzin, Ya.E. 9—60559

Kaganovskii, Yu.S., Onoprienko, A.A. Determination of surface self-diffusion constants from evolution kinetics of growth or evaporation spirals 9—65301

Kagawa, M. *see* Okazaki, K. 9—57067, 9—74194, 9—83279

Kagawa, T., Motosugi, G. AlGaAsSb photodiodes lattice-matched to GaSb 9—71527

Kagawa, Y. *see* Yamabuchi, T. 9—68537

Kagayama, A. *see* Machida, K. 9—91432

Kagermann, H. Renormalized diffusion coefficients for electron-hole plasmas in crossed fields 9—87123

Kagermann, H. *see* Gerlich, G. 9—72994

Kageyama, S. *see* Niizeki, H. 9—85413

Kageyama, T. *see* Ikegami, K. 9—85842

Kaghazchi, B., Beck, M.S., Bathurst, P. Remote level and velocity measurement of rivers and open channels by analysis of random signals from surface waves 9—72976

Kagiafas, E.A., Smith, C.W., Calderwood, J.H. Inelastic electron interactions in liquid dielectrics 9—91369

Kagiwada, R.S. *see* Lau, K.F. 9—51411

Kagiwada, R.S. *see* Yen, K.H. 9—55293

Kagiyama, T., Koyama, E., Gyoda, N., Shimozuru, D. Geothermal survey of the volcano Kusatsu-shirane 9—70760

Kagiyama, T. *see* Ota, K. 9—70772

Kagramanov, N.D. *see* Schultz, G. 9—89783

Kagramanyan, L.S., Badalyan, A.L. Pulsed experimental arrangement for measurements of ultrasound velocity in liquids under pressure up to 2000 atm 9—94427

Kaguei, S. *see* Wakao, N. 9—68795

Kahl, T. *see* Berger, C. 9—49519

Kahlbaum, W.M., Jr. *see* Wilson, R.G. 9—101048

Kahler, A.C. *see* Yamada, H. 9—93648

Kahler, H. Stars with given entropy distribution 9—66993

Kahler, S.W. Preflare characteristics of active regions observed in soft X-rays 9—84776

Kahlert, C. *see* Rossler, O.E. 9—58660

Kahlilov, A.O. *see* Rustamov, P.G. 9—87093

Kahmann, R., Kamp, D. Nucleotide sequences of the attachment sites of bacteriophage Mu DNA 9—79463

Kahn, A. *see* Meyer, R.J. 9—77462

Kahn, A.H. *see* Chang, T. 9—54164

Kahn, E., DiPaola, R., Bazin, J.P. The use of pattern recognition for lesion detectability in medical scintigraphic images 9—62354

Kahn, L.M., Ruvalds, J. Structure and superconductivity in alkali tungsten bronzes 9—82703

Kahn, L.M. *see* Ruvalds, J. 9—56358, 9—60947

Kahn, L.R. *see* Hay, P.J. 9—97987

Kahn, P.H., Businger, J.A. The effect of radiative flux divergence on entrainment of a saturated convective boundary layer 9—79979

Kahn, R. *see* Pollack, J.B. 9—84717

Kahn, S. *see* Kimble, R. 9—92803

Kahn, S.A. *see* Baltay, C. 9—75770

Kahn, S.M. *see* Charles, P.A. 9—67079

Kahn, S.M. *see* Mason, K.O. 9—71093, 9—92787

Kahol, P.K., Chaturvedi, D.K., Pathak, K.N. Density and charge fluctuations in molten salts 9—55645

Kahol, P.K., Pathak, K.N. Collective motions in classical liquids 9—55632

Kahrig, E. *see* Besserdich, H. 9—99340

Kai, S., Hirakawa, K. Successive transitions in electrohydrodynamic instabilities of nematics 9—77287

Kai, T., Tomita, K. Stroboscopic phase portrait of a forced nonlinear oscillator 9—57225

Kai, T. *see* Tomita, K. 9—80518

Kai Fong Lee Instability of ion-ion hybrid waves in current-carrying collisional plasmas with two ion species 9—90394

Kai Han *see* Han Kai

Kai-c Cheng *see* Cheng Kai-c

Kai-ching Chu, Jamshidi, M., Levitan, R.E. Real-time urban power dispatch with ambient air quality constraints 9—57542

Kai-Ming Ho *see* Louie, S.G. 9—69394

Kai-yuan Lo *see* Lo Kai-yuan

Kaibyshev, O.A. *see* Aleksandrov, I.V. 9—52228

Kaibyshev, O.A. *see* Rabinovich, M.Kh. 9—52326

Kaibyshev, O.A. *see* Valiev, R., Z. 9—65099

Kaibyshev, V.Z., Karetnikov, D.V., Trutnev, A.L. Rectifying parameters of a thermionic-emission triode with an auxiliary discharge 9—64925

Kaick, G.van *see* van Kaick, G.

Kaidanov, V.I. *see* Bytenskii, L.I. 9—91172

Kaidanov, V.I. *see* Erasova, N.A. 9—87054

Kaidanov, V.I. *see* Veis, A.N. 9—60854

Kaidash, N.G. *see* Samsonov, G.V. 9—57156

Kaieda, K. *see* Phillips, J.R. 9—89522

Kaieda, S. *see* Mutoh, M. 9—81986

Kaigorodov, V.N. *see* Valdimirov, A.B. 9—99369

Kaila, K. *see* Barnes, T. 9—80330

Kaila, K. *see* Panagia, N. 9—58363

Kaila, S.K. *see* Mohan, D. 9—62140

Kailas, S. *see* Karwowski, H.J. 9—76019

Kailasam, L.N. Holocene deformation and crustal movements in some type areas of India 9—79793

Kaim, R. *see* Algranati, M. 9—93883

Kaim, R.E., Palmer, D.W. A channelling study of helium-ion irradiation damage in niobium I. Effect of dissolved oxygen 9—82270

Kaim, R.E., Palmer, D.W. A channelling study of helium-ion irradiation damage in niobium. II. Effect of irradiation temperature 9—82271

Kaim, R.E., Palmer, D.W. Comparison of the $^3He/^{16}O$ and $^1H/^{18}O$ prompt nuclear reactions for lattice location measurements of oxygen in niobium 9—86813

Kaim, R.E., Palmer, D.W. Irradiation-induced lattice-site change of oxygen in niobium 9—99252
Kaimachnikov, N.P. Qualitative investigation of a mathematical model of an open enzymatic reaction 9—53024
Kaimakov, Ye.A. Special aspects of the structure of sublicons 9—53034
Kainarskii, I.S. *see* Orlova, I.G. 9—61546
Kainberger, F., Kallinger, W. Comparison of the radiation dosage in mammography, when two different examination systems are employed 9—100750
Kainberger, F. *see* Kallinger, W. 9—53257
Kaindl, G., Salomon, D., Wortmann, G. Isomer shifts of the 6.2-keV gamma rays of tantalum-181 9—87358
Kaindl, G. *see* Bartunik, H.D. 9—87356
Kainer, R. A functional model of the rat kidney 9—62282
Kainova, G.E. *see* Kobzev, V.A. 9—52369
Kainthla, R.C. *see* Sharma, N.C. 9—95952
Kainuma, S. Squareness ratio and maximum induction in polycrystalline soft ferrites 9—99730
Kainuma, T., Iwao, N., Suzuki, T., Watanabe, R. Effects of oxygen, nitrogen and carbon additions on the mechanical properties of vanadium and V/Mo alloys 9—52356
Kainuma, T. *see* Iwao, N. 9—61682
Kaiser, E. Temperature field measurement by liquid-crystals in the environment of contacting thermometers 9—58686
Kaiser, E.W. Dipole moment function of HCl 9—98063
Kaiser, F. *see* Hohler, G. 9—97610
Kaiser, G. Classical limit of Klein-Gordon theory in the coherent-state representation 9—49372
Kaiser, H., Rauch, H., Badurek, G., Bauspiess, W., Bonse, U. Measurement of coherent neutron scattering lengths of gases 9—72435
Kaiser, L.D., Samaniego, F.J. On the power of the χ^2 goodness of fit test at signal plus noise alternatives 9—71231
Kaiser, M. Optical connectors 9—55205
Kaiser, M.A. *see* Glajch, J.L. 9—74433
Kaiser, M.L., Alexander, J.K., Desch, M.D., Riddle, A.C., Lecacheux, A., Pearce, J.B., Warwick, J.W., Thieman, J.R. Voyager spacecraft radio observations of Jupiter: initial cruise results 9—84732
Kaiser, M.L. *see* Alexander, J.K. 9—101025
Kaiser, N. Laser absorption spectroscopy with an ATR prism 9—98480
Kaiser, N.E. *see* Jensen, A. 9—54129
Kaiser, T.B. *see* Turner, W.C. 9—86589
Kaiser, W., Laubereau, A. Picosecond time-resolved measurements of vibrational energy transfer and relaxation phenomena in large polyatomic molecules 9—50028
Kaiser, W. *see* Kopainsky, B. 9—98134
Kaiser, W. *see* Penzkofer, A. 9—76759
Kaiser, W.D. Automatic control of ultrasonic rail-inspection transducers 9—57200
Kaisheva, A. *see* Musilova, M. 9—52926
Kaitchuck, R.H. *see* Bookmyer, B.B. 9—67064
Kaizer, H.A. *see* Yang, S.L. 9—100718
Kajantie, K. Jets from $e\bar{e} \to \gamma\gamma \to q\bar{q}$ 9—49531
Kajantie, K. QCD predictions for deep inelastic scattering on an electron 9—63493
Kajarekar, P.J. *see* Biswas, S. 9—80154
Kajcsos, Z. *see* Dezsi, I. 9—65775
Kajdi, K. *see* Stefan, M. 9—91687
Kaji, I. *see* Seki, M. 9—82086
Kajimoto, O., Fueno, T. Relative rate constants of $O(^1D_2)$-olefin reactions 9—83472
Kajimura, T., Kuroda, T., Yamashita, S., Nakamura, M., Umeda, J. Transverse-mode stabilized $Ga_{1-x}Al_xAs$ visible diode lasers 9—76694
Kajimura, T., Saito, K., Shige, N., Ito, R. Dependence of the degradation rate of $Ga_{1-x}Al_xAs$ buried hetero-structure injection lasers on optical flux density 9—50313
Kajinaga, Y. *see* Takajo, S. 9—59615
Kajita, K. Negative Hall effect of hot holes in silicon 9—87118
Kajita, K. *see* Komiyama, S. 9—91085
Kajita, S. *see* Kondo, Y. 9—86627
Kajita, T. *see* Mizusawa, T. 9—68623
Kajitani, T., Brun, T.O., Mueller, M.H., Birnbaum, H.K., Makenas, B.J. Modulated ordering Nb-H alloys 9—94945
Kajitani, T. *see* Brun, T.O. 9—94962
Kajiura, H. *see* Isono, Y. 9—64506
Kajiura, N. *see* Ikeda, H. 9—58967
Kajiwara, K. *see* Kaneko, K. 9—77933
Kajiwara, S. Reversibility of crystal orientation in the reverse martensitic transformation in Fe-Ni alloys 9—83199
Kajiwara, T. *see* Harada, Y. 9—52693
Kajiya, F., Kawagoe, K., Kodama, S., Hoki, N., Inoue, M. A method of study of radioactive tracer kinetics 9—70609
Kajiya, F. *see* Hoki, N. 9—96590
Kajiyama, K., Mizushima, Y. Avalanche injection delay in Lo-Hi junctions and the ionization rate at low electric field 9—95475
Kajiyama, K., Onuki, K., Seki, Y. Complementary Schottky barriers to n- and p-type silicon with SnO_2 electrodes 9—78166
Kajiyama, M. *see* Ikegami, K. 9—74339
Kajiyama, S. *see* Akazawa, K. 9—83758
Kajzar, F., Parette, G. Magnetic moment distribution in BCC Fe-Cu alloys 9—78340
Kajzar, F. *see* Hennion, B. 9—51768
Kajzar, F. *see* Parette, G. 9—91211
Kakabaev, A., Klyshchaeva, O., Tuiliev, S., Khandurdyev, A. Experimental study of thermotechnical characteristics of glazed solution regenerator 9—83620
Kakabayev, A. *see* Baum, V.A. 9—57463
Kakauridze, D.B. *see* Dzhelyadin, R.I. 9—67556
Kakauridze, D.B. *see* Victorov, V.A. 9—67546
Kakeshita, T., Oshima, R., Fujita, F.E. Stress induced martensite from γ phases of Cu-Sn alloy 9—70066
Kakeya, H. *see* Totsuji, H. 9—98897
Kakharov, N.A. *see* Umarov, G.Ya. 9—94464
Kakharov, S. *see* Akhtamov, R.A. 9—83622
Kakhramanov, K.Sh., Sagatov, E.S., Akhmedli, G.T., Akhundova, A.A. Thermoelectric efficiency of solid solutions of lead chalcogenide 9—95429
Kakhramanov, K.Sh. *see* Zargarova, M.I. 9—52190
Kakiashvili, Sh.D. *see* Kochlamazashvili, B.T. 9—52583
Kakichashvili, Sh.D., Tarasashvili, V.I. Photoanisotropy in radiation-colored silicate glasses 9—69808
Kakihana, H. *see* Frantiesek, P. 9—80972
Kakihana, H. *see* Oi, T. 9—50146, 9—50147
Kakimi, T. *see* Sato, H. 9—62471
Kakimoto, F. *see* Aguirre, C. 9—62699
Kakinoki, H. *see* Higashi, F. 9—91612
Kakinuma, H. *see* Ohi, K. 9—56744
Kakinuma, T. *see* Kojima, M. 9—101064
Kakitani, H. Relative intensity of near resonance Raman lines evaluated by the A-term 9—81205
Kakitani, H., Kakitani, T. Theoretical analysis of resonance Raman spectra of rhodopsin and isorhodopsin 9—92148
Kakitani, H. *see* Kakitani, T. 9—100598
Kakitani, T., Kakitani, H. Molecular mechanism for the initial process of visual excitation. III. Theoretical studies of optical spectra and conformations of chromophores in visual pigments, their analogues and intermediates based on the torsion model 9—100598
Kakitani, T. *see* Kakitani, H. 9—92148
Kakkar, V.V. *see* Bentley, P.G. 9—53210
Kako, F., Mugibayashi, N. Complete integrability of general nonlinear differential-difference equations solvable by the inverse method. II 9—62999
Kakos, J. *see* Thurzo, I. 9—95704
Kaku, M. *see* Das, A. 9—54023
Kakudate, Y., Mori, N., Kino, Y. Pressure effect on the anomalous electrical conductivity of magnetite 9—56222
Kakui, H. *see* Akiyama, T. 9—81018
Kakuliya, V.K. *see* Vekua, L.V. 9—74834
Kakuno, K., Gondo, Y. Optical interferometric method for magnetostriction measurement 9—65705
Kakurin, A.M. *see* Artemenkov, L.I. 9—55546
Kakusho, O., Hirato, N., Yanagida, M., Miyoshi, Y., Kobayashi, T. The extraction of formant frequency by the derived PES methods—adaptability of the PES method to complicated spectra 9—72761
Kakuta, A., Ozaki, O., Ohno, M. Gas permeation in freeze-dried cellulose acetate membrane 9—79295
Kakutkina, N.A. *see* Gorbunov, B.Z. 9—53465
Kakuto, A. *see* Inoue, K. 9—97555
Kakuzin, D.I. *see* Vyaznikov, V.V. 9—53624
Kalabuchova, E.N. *see* Shanian, B.D. 9—51537
Kalabukhova, E.N., Shanina, B.D., Maksimovich, Kh.K. Investigation of reorientation of Eu^{2+}-vacancy complexes in NaCl by electric field effect in ESR 9—99768
Kalabukhova, V.F. *see* Aleksandrov, V.I. 9—52399
Kalachev, A.I. *see* Chalykh, A.E. 9—51432
Kaladaze, T.D. *see* Mikhailovskii, A.B. 9—55487
Kaladze, T.D., Lominadze, J.G., Mikhailovskii, A.B., Khvoles, A.R., Tsamalaschvili, L.V. To the theory of cyclotron instability of trapped alpha-particles in Tokamak reactor 9—73024
Kalafati, Yu.D., Serbinov, I.A., Ryabova, L.A. Nonlinear waves in a medium with a semiconductor-metal phase transition 9—73549
Kalam, M.A., Hussam, A., Khaliquzzaman, M., Khan, A.H., Islam, M.M., Zaman, M.B., Husain, M. Elemental analysis in solutions by radioisotope excited X-ray fluorescence 9—52835
Kalamkarov, A.L. A strong explosion in a collapsing gas 9—90284
Kalamkarov, G.R. *see* Bol'shakov, V.I. 9—70548
Kalandadze, I.L. *see* Pastushenko, V.F. 9—53054, 9—79480
Kalantar, A.H. *see* Jordan, A.D. 9—71194
Kalashnik, V.N. *see* Avduyevskiy, V.S. 9—98796
Kalashnikov, I.E. *see* Kolosov, M.A. 9—80253
Kalashnikov, N.P., Olchack, A.S. Abnormal changes in the energy distribution of ultrarelativistic electrons passing through a single crystal parallel to the crystal planes 9—56879
Kalashnikov, N.P., Ol'chak, A.S. Self-focusing of a beam of ultrarelativistic electrons in a single crystal 9—86819
Kalashnikov, O.K., Konstein, S.E., Fradkin, E.S. Octonions and exceptional groups in field theory 9—67491
Kalashnikov, P.A. *see* Latun, V.S. 9—100864, 9—100865
Kalashnikov, V.N. *see* Vlasov, S.A. 9—86472
Kalashnikov, V.P. Dynamic behavior of an isothermal magnetic system in an alternating magnetic field 9—82786
Kalashnikov, V.P., Bebenin, N.G. Relaxation of ferromagnetic semiconductor hot electron energy at $T > Tc$ 9—51593
Kalashnikov, V.P., Bebenin, N.G. Current-voltage characteristics of a ferromagnetic semiconductor at $T \geq T_c$ 9—91040
Kalashnikov, V.P., Kozhevnikov, N.V. Dynamical behavior of two-component spin systems in an alternating magnetic field 9—99715
Kalashnikov, V.V., Solyanyi, V.I. Materials science aspects of reliability of fuel elements of water-cooled power reactors 9—67855
Kalashnikova, V.I., Kozhanov, V.E., Ulanov, V.M. Effect of an electric field on the sensitivity of lead chloride microcrystals 9—58831
Kalbach, C. Comment on 'Complex-particle emission in the pre-equilibrium exciton model' 9—59046
Kalbaliev, F.I. Heat transfer in laminar flow at supercritical pressure 9—81872
Kalbfleisch, G. *see* Brindza, P. 9—68085
Kalbfleisch, G. *see* McCal, D. 9—89154
Kalbfleisch, G. *see* Reece, C. 9—89196
Kalbitzer, S. *see* Spear, W.E. 9—60835
Kaldis, E. *see* Batlogg, B. 9—61074
Kaldis, E. *see* Meier, F. 9—78842
Kaldis, E. *see* Schoenes, J. 9—61344
Kaldis, E. *(editor)* Current topics in materials science, vol.1 9—69966
Kaldor, A. *see* Hall, R.B. 9—66312
Kaldybaev, K.A., Konstantinova, A.F., Perekalina, Z.B., Grechushnikov, B.N., Kalinkina, I.N. Optical activity and circular dichroism in benzil 9—61328
Kaldybaev, K.A. *see* Grechushnikov, B.N. 9—56761
Kale, P.P., Baid, A. An exact solution of Einstein-Maxwell equations 9—49113
Kale, V., Deshpande, D.A., Kher, V.G. Study of electroluminescence in fused KNO_3 and KNO_2 crystals 9—99945
Kalebin, S.M. *see* Anufriev, V.A. 9—97709
Kalechstein, W. *see* Armstrong, R.L. 9—72335
Kalefezra, J. *see* Horowitz, Y.S. 9—81097, 9—97948
Kaleganov, B.A. External standard in X-ray phase analysis of powders 9—68976
Kalelkar, M. *see* Baltay, C. 9—75770
Kalendarev, R.I. *see* Rodionov, A.N. 9—99315
Kalenov, V.P. *see* Rudnitskii, Yu.V. 9—52817
Kalesnikov, L.V. *see* Zakharov, Yu.A. 9—74053
Kal'fa, A.A. *see* Berman, L.V. 9—82632
Kalfas, C.A., Xenoulis, A.C., Adamides, E., Papaioannou, S., Skouras, L.D. Properties of electromagnetic transitions from high-spin states in ^{94}Mo 9—97678
Kalfas, C.A. *see* Zenoulis, A.C. 9—89240
Kalghatgi, G.T. Measurements of turbulence parameters in a rocket engine exhaust using a laser crossed beam correlation technique 9—86541
Kalia, R.K. *see* DasSarma, S. 9—95461
Kaliappan, P., Lakshmanan, M. Kadomstev-Petviashvile and two-dimensional sine-Gordon equations: reduction to Painleve transcendents 9—92954
Kaliappan, P. *see* Lakshmanan, M. 9—63052
Kalichak, T.N. *see* Pokhmurskii, V.I. 9—52432
Kaliev, K.A., Vakarin, S.V., Aksent'ev, A.G., Kochedykov, V.A. Method of orientation determination for cubic single crystals 9—52482
Kaliev, K.A. *see* Baraboshkin, A.N. 9—55687
Kalikhman, A.D. Experimental proof of directional filtering of medium-scale traveling ionospheric disturbances 9—62661
Kalikstein, K. Systematic derivation of variational principles in electromagnetic field theory 9—76549
Kalikulov, A.D. *see* Baiburina, S.G. 9—80156, 9—80170
Kalinauskas, R.K. The $U_{3(N-1)}$-irreducible decomposition of the model density matrix of the nucleus 9—67692
Kalinchak, A.I. *see* Bukreev, E.N. 9—87987
Kalinenko, A.N., Tvorogov, S.D. Modification of statistics of radiation in an optical communication channel 9—98303
Kalinenkov, V.N. *see* Eremin, M.V. 9—69480, 9—99687
Kalinichenko, A.I. *see* Volovik, V.D. 9—59307
Kalinichenko, O.A. *see* Kiseleva, T.P. 9—96965
Kalinichenko, O.A. *see* Shakht, N.A. 9—96944
Kalinin, A.I. *see* Akimov, Yu.K. 9—49525
Kalinin, A.N. *see* Karpovich, I.A. 9—56324
Kalinin, B.N., Kaplin, V.V., Potalitsin, A.P., Vorobiev, S.A. Radiation of channeled 800 MeV electrons in diamond crystals 9—61274

Kalinin, B.N., Kuznetsov, V.M., Saruev, G.A., Bulgakov, N.K., Mameev, V.V., Rybakova, N.A. Strong-focusing magnetic analyzer for recording charged particles in the region up to 700 MeV/c 9—68123
Kalinin, B.N. *see* Vorob'ev, S.A. 9—61280, 9—91521
Kalinin, E.K., Dreitser, G.A., Khasaev, N.O. Experimental investigation of heat-exchange intensification with film boiling of cryogenic liquids in pipes 9—81876
Kalinin, E.K., Pronko, V.G., Kostiouk, V.V., Berlin, I.I., Nosova, E.M. Transition boiling of cryogenic liquids 9—65182
Kalinin, L.I. *see* Kharlamov, Yu.A. 9—100078
Kalinin, V.B. *see* Efremov, V.A. 9—60341
Kalinin, V.B. *see* Okonenko, S.A. 9—69789
Kalinin, V.E. *see* Roshchupkin, A.M. 9—65260
Kalinin, V.R., Ilyukhin, V.V., Belov, N.V. Refinement of crystal structure of mixed rubidium-lithium iodate $RbIO_3.2LiIO_3$ 9—77585
Kalinin, V.R. *see* Ilyukhin, V.V. 9—55723
Kalinin, V.R. *see* Treushnikov, E.N. 9—90595
Kalinin, Yu.S. *see* Khvatov, L.A. 9—79211
Kalinin, Yu.T. *see* Sysoev, A.A. 9—67421
Kalinina, E.V. *see* Batuner, Yu.D. 9—49324
Kalinina, N.A. *see* Alekseev, G.D. 9—97938, 9—97939
Kalinkevich, A.A. Effect of a dielectric film on the characteristics of an open Fabry-Perot resonator cavity 9—94134
Kalinkin, B.N. *see* Varyukin, V.V. 9—80963
Kalinkin, L.F. *see* Basilova, R.N. 9—88522
Kalinkin, L.F. *see* Voronov, S.A. 9—76267
Kalinkina, I.N. *see* Grechushnikov, B.N. 9—49989
Kalinkina, I.N. *see* Kaldybaev, K.A. 9—61328
Kalinkina, I.N. *see* Veremeichik, T.F. 9—54829
Kalinkos, D.A. *see* Volkonskii, V.B. 9—72689
Kalinnikov, V.G. *see* Alkhazov, G.D. 9—75957
Kalinnikov, V.T. *see* Doroshenko, R.A. 9—95604, 9—99726
Kalinnikov, V.T. *see* Koroleva, L.I. 9—91078
Kalinnikov, V.T. *see* Krinchik, G.S. 9—82953
Kalinnikov, V.T. *see* Tsurkan, V.V. 9—69672
Kalinovskii, A.V., Khomitskii, V.V., Tsaitts, E.S. Some features of the dynamic profile equilibrium in frontal wave action on a sandy beach 9—88331
Kalinovskii, E.A. *see* Bondar', R.U. 9—70346
Kalinovsky, A.N. *see* Askariyan, G.A. 9—85862
Kalinowski, H. Possible explanation for a second deep inelastic peak in heavy-ion scattering 9—63699
Kalinowski, J. Electronics development for good benefit to cost ratio in pH metering 9—100464
Kalinowski, J. *see* Cohen-Tannoudji, G. 9—93361
Kalinowski, J. *see* Godlewski, J. 9—82599, 9—83009
Kalinowski, J. *see* Jankowiak, R. 9—99865
Kalinowski, J.E. *see* Boltax, A. 9—59167
Kalis, Kh.E., Ivanova, E.A. Dean's problem in magnetohydrodynamics 9—94731
Kalish, R. *see* Bahir, G. 9—65104
Kalisher, A.L. *see* Feygin, F.Z. 9—75051
Kaliski, S. Bi-conical system of concentric explosive compression of D-T 9—50880
Kaliski, S. Bi-liner method for implosive compression of plasma 9—50881
Kaliski, S. Hypercompression of matter by thermonuclear miniexplosion 9—50882
Kaliski, S. Coupled explosion-current compression of plasma, self-similar approximation 9—50883
Kaliski, S. Biconical profiled explosion-induced compression of matter 9—67938
Kaliski, S. Thermodynamic optimization of bilinear systems of plasma compression for purposes of microfusion 9—67939
Kaliski, S. Idea of two-stage cumulation method 9—68923
Kaliski, S. A two-stage system for generating the Mach waves for the purpose of thermonuclear fusion 9—68924
Kaliski, S. Accelerated Mach wave in nonhomogeneous cumulation cone 9—68925
Kaliski, S. Amplification of the velocity of laser implosion of plasma 9—68938
Kaliski, S. Evaluation of number of internal break-even neutrons in fusion explosions 9—71943
Kaliski, S. Break-even in a bi-conical explosion system 9—71944
Kaliski, S. Explosion-induced longitudinal-cylindrical compression of plasma 9—89496
Kaliski, S. Possibility of obtaining internal break-even in explosion-induced conical system 9—94811
Kaliski, S., Denus, S., Dubik, A., Nagraba, S., Szypula, W., Wodnicki, R., Wolowski, J., Zarowny, J. Four-channel laser system with four-ellipsoidal-mirror set-up for focusing laser beams 9—94276
Kaliski, S., Jach, K., Mroczkowski, M., Sarzynski, A. Numerical analysis of coupled explosion-current compression of plasma 9—50884
Kaliski, S. *see* Denus, S. 9—68939
Kaliski, S. *see* Gacek, A. 9—68748, 9—91955
Kaliski, S. *see* Galkowski, A. 9—67940, 9—67941
Kaliszer, H. *see* Barker, K. 9—52380
Kalita, G.E. *see* Usatikov, I.F. 9—82415
Kalitenko, V.A., Perga, V.M. Noise amplification in CdS plates 9—73556
Kalitkin, N.N. *see* Ermakov, V.V. 9—98865
Kalitzova, M. *see* Simov, S. 9—78151
Kalitzova, M. *see* Vavrek, A. 9—99601
Kalker, J.J. The computation of three-dimensional rolling contact with dry friction 9—90194
Kalkoffen, G. *see* Iwan, M. 9—50079
Kalkutina, E.I. *see* Afonnikov, N.A. 9—68424
Kalla, S.L. *see* Conde, S. 9—97185
Kallaev, S.N. *see* Gladkin, V.V. 9—65808
Kallend, J.S. *see* Da Costa Viana, C.S. 9—91703
Kallend, J.S. *see* Davies, G.J. 9—91669
Kallend, J.S. *see* Viana, C.S. da C. 9—86347
Kallend, J.S. *see* Welch, P.I. 9—91696
Kallergis, G. *see* Payne, B.R. 9—53393
Kallinger, W., Kainberger, F. Dose measurement in mammography with a high-sensitivity coated film system 9—53257
Kallinger, W. *see* Kainberger, F. 9—100750
Kallio, G.A. *see* Jones, T.B. 9—81318
Kallman, C.-G. Instanton effects in the equation of state for dense neutron star matter 9—92796
Kallman, C.-G. Neutron stars: dynamics and structure 9—97017
Kalne, J., Davis, J., Gugelot, P.C., McCarthy, J.S., Smith, G., Boudrie, R., Hoistad, B., Morris, C.L. The (π,p) reaction in $^{6,7}Li$ at 75 and 175 MeV 9—85503
Kalne, J., McCarthy, J.S., Thiessen, H.A., Morris, C.L., Verbeck, S.L., Burleson, G.R., Devereaux, M.J., Bolger, J.E., Moore, C.F., Goulding, C.A. The energy dependence of the (π,N) reaction in $^{3,4}He$ 9—85521
Kalne, J. *see* Anderson, A.N. 9—71834
Kalne, J. *see* Anderson, R.E. 9—85502
Kalne, J. *see* Davis, J. 9—93662
Kallo, A. *see* Karger-Kocsis, J. 9—66154
Kallo, E.B. *see* Vorob'eva, L.M. 9—88926
Kallo, P. Experience in using approximative calculations applied in the middle phase of lens system design 9—89982
Kallo, P., Lack, G. Method to determine the inherent parameters independent from the factors characterising the materials and the factors characterising the materials and the shape, for k-stage objectives corrected to infinity, providing possibilities of optimisation 9—81502
Kallogiyan, A.T. *see* Borngen, F. 9—88736
Kallosh, P.E. Structure of divergences in supergravitation 9—63119
Kalluri, D., Prasad, R. Waveguide modes of a warm, transversely drifting, electron plasma with a strong transverse magnetic field 9—50861
Kalluri, D., Prasad, R. Waveguide modes of a warm isotropic drifting electron plasma 9—77393
Kalluri, D. *see* Prasad, R.C. 9—77388
Kalmakov, A.A., Podmoshenskaya, S.V., Tsarev, V.I. Correlations in quantometric measurements of the spectra of controlled generators 9—66382
Kalmakov, A.A. *see* Zhiglinskii, A.G. 9—52828
Kalman, C.S. Baryonium, the diquark model and the location of mesons with exotic quantum numbers 9—63436
Kalman, C.S., Jakimow, G. $\chi(2800)$ as a four-quark system 9—67497
Kalman, C.S. *see* Hall, R.L. 9—54309
Kalman, G. *see* Bakshi, P. 9—90379
Kalman, G. *see* Calinon, R. 9—94770
Kalman, G. *see* Canuto, V. 9—89112
Kalman, O.F. *see* Ryan, S.R. 9—86079
Kalman, P. Approximate calculation of ground state Lamb shift in a classical theory 9—97992
Kalman, P., Sziklai, J. Comment on the temperature-dependent Lamb shift 9—59371
Kalman, P., Sziklai, J. Comment on the temperature dependent Lamb shift 9—97991
Kalman, Z.H. On the derivation of integrated reflected energy formulae 9—73063
Kalman, Z.H., Weissmann, S. Determination of strain distribution in elastically bent materials by X-ray intensity measurement 9—50928
Kalmanoviz, D. *see* Shitzer, A. 9—70464
Kalmbach, S.H. *see* Crittenden, E.C., Jr. 9—66806
Kalmychek, A.A. *see* Galaktionova, N.M. 9—63317
Kalmykov, A.M., Kotasrenko, N.Ya., Kulish, V.V. Possible frequency conversion of a laser beam by an electron beam 9—68413
Kalmykov, G.I. Thermodynamic limit for a classical system of particles with hard cores 9—71353
Kalmykov, N.N., Khristiansen, G.B. Significance of the fragmentation and pionization ranges in inclusive spectra in the growth of extensive air showers 9—84614
Kalmykov, N.N. *see* Berezhko, I.A. 9—96870
Kalmykov, N.N. *see* Grigor'ev, V.M. 9—80169
Kalmykov, N.N. *see* Khristiansen, G.B. 9—80167
Kalmykov, N.N. *see* Khristiansen, G.V. 9—80166
Kalmykov, N.N. *see* Vernov, S.N. 9—80172
Kalmykova, L.P. *see* Bushueva, I.M. 9—96338
Kalnach, Ya.V. *see* Bochkans, P.Ya. 9—87009
Kalner, D.B. *see* Golovanenko, S.A. 9—91797
Kalnin, G.N. *see* Loring Boatright, R. 9—100557
Kalnin', R.K., Kanaev, A.S., Ioffe, B.A. Inspecting parts by a magnetodynamic method 9—96272
Kalnin', T.K. *see* Minchev, P.M. 9—77278
Kalnin', Yu.Kh., Ozerskii, V.Ya. The activation energy of the X-centres thermal decay process in alkali halide crystals 9—90651
Kalnins, E.G. Non-orthogonal separable coordinate systems for the flat 4-space Helmholtz equation 9—75416
Kalnin'sh, D.O. *see* Bulkin, Yu.M. 9—97837
Kalnynya, R.P. *see* Belinska, A.A. 9—99964
Kalnynya, R.P. *see* Bochkans, P.Ya. 9—87009
Kalnynya, R.P.K. *see* Bekeris, Yu.Ya. 9—56342
Kalogeropoulos, T., Schechter, J., Valle, J. A test for neutrino masses 9—93406
Kaloni, P.N. *see* Kamel, M.T. 9—59988
Kalos, M.H. *see* Binder, K. 9—80531
Kalos, M.H. *see* Ceperley, D.M. 9—65290, 9—82405
Kalos, M.H. *see* Marro, J. 9—82344
Kalos, M.H. *see* Whitlock, P.A. 9—54005, 9—82401
Kalosha, I.I. *see* Borisevich, N.A. 9—94213
Kalosha, V.P. *see* Khapalyuk, A.P. 9—50301
Kaloshin, A.E. *see* Budnev, V.M. 9—80832
Kaloshina, Yu.P. *see* Shumilov, M.A. 9—57081
Kaloshkin, E.P. *see* Danil'chik, L.N. 9—55749
Kalousdian, S. *see* Diop, S. 9—79303
Kalpakchieva, R., Kartavenko, V.G., Oganessian, Yu.Ts., Penionzhkevich, Yu.E., Sodan, H. Manifestation of shell effects in the interaction of heavy nuclei with ions of A>40 9—93673
Kalpakchieva, R. *see* Bochev, B. 9—97648
Kalpaxis, A. *see* Pellegrino, F. 9—75615
Kalsbeek, F. *see* Pidgeon, R.T. 9—84250
Kalthia, N.L. Axisymmetric jet 9—64729
Kalthoff, B. French private nuclear fuel cycle industries 9—81055
Kalugin, A.I. Modernized SAZ. 11.5.3/10 Rotary-hearth electric furnace 9—49232
Kalugin, A.S. Distillation deoxidation of iron-nickel alloys during electron-beam melting 9—70306
Kalugin, M.M. *see* Isakov, V.K. 9—68387
Kalugin, Yu.K. *see* Yuzhakov, I.V. 9—87782
Kalus, J. *see* Prechtel, J. 9—82298
Kaluzhina, S.A., Malygin, V.V., Frolov, N.G. Apparatus for studying the corrosion of metals with a temperature gradient along the surface 9—52513
Kaluzienski, L., Holt, S. X-ray transient in Centaurus 9—53938
Kaluzienski, L., Holt, S., Canizares, C., McClintock, J. Novalike object Centaurus 9—62842
Kaluzienski, L.J. *see* Rose, L.A. 9—92890
Kaluzne, S.J. *see* Cummings, R.W. 9—92401
Kaluzny, J. *see* Majernik, V. 9—100622
Kalva, Z. *see* Biegala, L. 9—78379
Kal'venas, S.P. *see* Puchinskas, A.A. 9—69518
Kal'venas, S.P. *see* Safonova, L.S. 9—51641
Kalvey, V.R. *see* Meservey, R. 9—78263
Kalvius, G.M., Shenoy, G.K. Ratios of $\Delta\langle r^2\rangle$ for two transitions in the same element or nuclide 9—85409
Kalvius, G.M., Shenoy, G.K. Ratio of $\Delta\langle r^2\rangle$ for pairs of elements with analogous electronic structure 9—85410
Kalvius, G.M. *see* Bauminger, E.R. 9—87361
Kalvius, G.M. *see* Bogner, L. 9—96725
Kalvius, G.M. *see* Dornow, V.A. 9—76253
Kalvius, G.M. *see* Dunlap, B.D. 9—87348
Kalvius, G.M. *see* Moser, J. 9—56643
Kalvius, G.M. *see* Shenoy, G.K. 9—73613, 9—87349
Kalyaeva, V.P. *see* Abramyan, Yu.A. 9—75597
Kalyagina, I.P. *see* Virgil'ev, Yu.S. 9—71896, 9—95053
Kalyanaraman, S.B. *see* Ramaswamy, K. 9—76401
Kalyani, S., Haridasan, T.M. Localized modes due to U-centre pairs in RbCl 9—77709
Kalyazin, E.P. *see* Vetrov, V.S. 9—61890
Kalygin, V.V., Prokop'ev, V.M. Ion extraction from a tubular surface ionizer 9—63857
Kalymkova, T.F. *see* Sviridenok, A.I. 9—57040
Kalyutik, A.I. *see* Aitov, T.N. 9—94734
Kalyuzhaya, G.A. *see* Anzin, V.B. 9—76714
Kalyuzhnaya, G.A. *see* Aleksandrov, O.V. 9—82603
Kalyuzhnaya, G.A. *see* Britov, A.D. 9—75628
Kalyuzhnaya, G.A. *see* Gorina, Yu.I. 9—89908
Kalyuzhnaya, L.T. *see* Gontovaya, L.I. 9—96746
Kalyuzhny, V.E. *see* Vikulov, V.F. 9—72030
Kalyuzhnyi, A.D. *see* Belomestnyi, V.A. 9—52598
Kalyuzhnyi, G.S. *see* Golubnichii, P.I. 9—84617
Kalyuzhnyi, V.M., Kartuzhanskii, A.L., Tsendrovskii, V.A. Infrared spectroscopy of gelatine films containing silver halides 9—67408
Kam, Z. *see* Reich, S. 9—98282
Kam-Ching Leung, Moffat, A.F.J., Seggewiss, W. The massive multiple system HD 93206 (QZ Carinae) in the great Carina Nebula 9—97027
Kamada, H. *see* Iwasaki, T. 9—61888
Kamada, K., Higashida, Y. A fracture model of radiation blistering 9—86823
Kamada, K., Okada, C., Ikehata, T., Ishizuka, H., Miyoshi, S. Propagation of intense pulsed ion beams across a magnetic field 9—76576
Kamada, K. *see* Yoshizawa, I. 9—79037

Kamada, S., Kamiya, Y., Kihara, M. Lattice of photon factory storage ring 9−68033
Kamae, T. *see* Ikeda, H. 9−58967
Kamakura, K. Coherent microwave emission from a solid state plasma in a high magnetic field 9−60863
Kamakura, M. *see* Sasaki, E. 9−61729
Kamal, A.N. The Muskhelishvili-Omnes equation and final state interactions 9−67196
Kamal, A.N., Kane, G.L. Determining meson radiative widths from Primakoff-effect measurements 9−89157
Kamal, A.N. *see* Edwards, B.J. 9−63506
Kamal, A.N. *see* Szyjewicz, A. 9−67584
Kamal, M., Chacin, G., David, L. Integrated reflectivities of mosaic single crystals as a function of neutron wavelength 9−86656
Kamal, R. *see* Gupta, R.G. 9−78509
Kamal, R. *see* Sekhon, S.S. 9−87338
Kamalov, M.N. *see* Bol'sheva, Yu.N. 9−52017
Kamalov, O. *see* Blistanov, A.A. 9−64295
Kamaras, K., Gruner, G. Optical properties of the charge transfer salts of tetrathiotetracene 9−61403
Kamaras, K., Gruner, G. Optical properties of the charge transfer salts of tetrathiotetracene 9−73970
Kamardin, N.B. *see* Vedernikov, A.O. 9−67410
Kamardin, V.M. *see* Aronson, E.V. 9−52601
Kamarinos, G. *see* Pananakakis, G. 9−52933
Kamarinos, P. *see* Delyannis, A.A. 9−57410
Kamarzin, A.A. *see* Konstantinov, V.L. 9−87458
Kamarzin, A.A. *see* Mironov, K.E. 9−78938
Kamase, K., Osaki, K., Uryu, N. Higher-order spin coupling in a tetrameric Cu(II) complex 9−99690
Kamat, P.V., Karkhanavala, M.D., Moorthy, P.N. Temperature effects in photoelectrochemical cells 9−92084
Kamat, P.V. *see* Moorthy, P.N. 9−62015
Kamata, K. Akeno air shower project 9−72184
Kamata, K., Nakajima, T., Nakamura, T. Thermogravimetric study of rare earth manganites $AmnO_3$(A=Sm, Dy, Y, Er, Yb) at 1200°C 9−100121
Kamata, M. *see* Sasaki, S. 9−64133
Kamavisdar, V.S. *see* Moharil, S.V. 9−52029
Kambara, T. Theory of high-spin⇄low-spin transitions in transition metal compounds induced by the Jahn-Teller effect 9−69676
Kambayashi, T. *see* Iga, K. 9−98388
Kambe, K. Pair effects in a bond model of a disordered Heisenberg ferromagnet 9−78290
Kambe, K. *see* Kohsaka, M. 9−88165
Kambe, K. *see* Takeda, K. 9−69379
Kamber, I. *see* Baribaud, G. 9−72209
Kamburov, H.K. *see* Dimitrova, T.N. 9−85868
Kamchatnov, A.M. *see* Nosov, V.G. 9−75822
Kamdar, D.S., Beskos, D.E. Numerical methods for elastic structural stability analysis 9−94489
Kameda, A. *see* Sasaki, M. 9−93796
Kameda, H., Ozaki, Y. A renewal process model for use in seismic risk analysis 9−84159
Kamefuchi, S. *see* Kamoi, K. 9−58887
Kamegaya, K. *see* Matsunaga, S. 9−71881
Kamejima, T., Matsui, J., Seki, Y., Watanabe, H. Transmission electron microscopy study of microdefects in dislocation-free GaAs and InP crystals 9−82213
Kamejima, T. *see* Matsui, J. 9−99440
Kamejima, T. *see* Yonezu, H. 9−72566
Kamejima, T. *see* Yonezu, H.O. 9−98394
Kamel, M. *see* Leila, H.A. 9−68122
Kamel, M.T., Kaloni, P.N., Tory, E.M. Two-dimensional internal flows of polar fluids 9−59988
Kamel, O.M. First-order secular planetary theory up to fourth power in eccentricities and inclinations 9−96894
Kamel, O.M., Bakry, A.A. The elimination of short-periodic terms in a Uranus-Neptune general planetary theory by von Zeipel's method 9−75153
Kamel, R. *see* Badr, Y.A. 9−87377
Kamelander, G. Fast reactors 9−54587
Kamenets, F.F. *see* Brodov, M.E. 9−98427
Kamenev, V.I., Val'kov, V.I., Zavadskii, E.A. Formation of nuclei in the course of an order-disorder phase transition in manganese arsenide 9−73720
Kameneva, M.V. *see* Grigoryan, S.S. 9−79586
Kamenova, Ts. *see* Rashev, Ts. 9−82259
Kamenova, Z. *see* Djambazova, L. 9−61798
Kamenskii, V.G., Kats, E.I. Effect of spatial dispersion on the optical properties of cholesteric liquid crystals 9−99844
Kamenskii, Yu.N., Belan, V.S. Automatic signalling and signal fixation unit for the IVCh-02 pallesthesiometer 9−57784
Kamenskii, Yu.V., Priyutov, M.V., Kovalev, I.F. Calculation of the intensity distribution of the lines in the vibrational structure of the $^1B_{3u}\rightarrow{}^1A_{1g}$ band in the fluorescence spectrum of pyrazine 9−64033
Kamenskikh, I.A. *see* Akimchenko, I.P. 9−91136
Kamensky, V.I. *see* Baldin, A.M. 9−72125
Kamenyarzh, Ya.A. Plastic body subjected to a limit load: stress field 9−76988
Kamerdzhiev, S.P. On a giant resonance theory in the 1p1h+2p2h+continuum approximation 9−67628
Kamermans, R., van Driel, J., Morsch, H.P., Wilczynski, J., van der Woude, A. Evidence for giant quadrupole excitation in ^{208}Pb by 200 MeV ^{12}C scattering 9−49637
Kamertsel, A.M. *see* Kudintseva, G.A. 9−87565
Kameswara Rao, T.V. *see* Venkateswara Rao, P. 9−55804
Kametani, H., Morinaka, I. Suspension electrolysis of copper 9−61542
Kameyama, H., Ishibashi, Y., Takagi, Y. Anomalous ultrasonic attenuation near the ferroelectric phase transition point of $Ca_2Sr(C_2H_5CO_2)_6$ 9−91383
Kameyama, M. *see* Fukuda, J. 9−70545
Kamgar, A. Temperature dependence of many-body effects in Si accumulation layers: an experimental observation 9−60899
Kamide, H., Sugawara, H. The effects of nickel and nitrogen on the stress corrosion cracking susceptibility of austenitic stainless steels in H_2SO_4-NaCl solution 9−100289
Kamieniecki, E. Photoconductivity produced by polarized light in plastically deformed Ge 9−82641
Kamigaki, K., Hoshi, A., Fuse, M., Ohashi, M., Kaneko, T. Long-duration pulsed magnetic fields 9−61183
Kamigaki, Y. *see* Ishizaka, A. 9−82678
Kamihara, M. *see* Saito, S. 9−99060
Kamihara, M. *see* Yoshie, O. 9−82556
Kamiishi, Y. *see* Kobayashi, S. 9−51254
Kamijo, K. *see* Yamashita, E. 9−59824
Kamijoh, T., Kuriyama, K. Single crystal growth of $LiInS_2$ 9−61514
Kamikawa, T., Nagasaka, S. ESR of Li metals in neutron-irradiated LiF crystals 9−82858
Kamikawa, T. *see* Uemura, O. 9−77485
Kamiko, S. *see* Ikegami, K. 9−74339
Kamikura, Y. *see* Ogai, M. 9−50471
Kamil, A.C. *see* Pietrewicz, A.T. 9−83789
Kamilov, O.S. *see* Akhtamov, R.A. 9−83622
Kamimoto, M., Tani, T., Horigome, T. Survey of thermal energy storage for solar thermal power plant 9−79379
Kamimura, H. Electronic states of a negative donor ion in silicon and germanium 9−65404
Kamimura, H. Correlation effects on the Anderson localized states in doped semiconductors 9−95337
Kamimura, H., Natsume, Y. Theory of paramagnetic shift in negative muon spin rotation 9−56706
Kamimura, H. *see* Natori, A. 9−95369
Kamimura, K., Saki, Y. The properties of GaAs-Al_2O_3 and InP-Al_2O_3 interfaces and the fabrication of MIS field-effect transistors 9−65557
Kamimura, K. *see* Mutoh, M. 9−81986
Kamimura, T. *see* Katanuma, I. 9−86607
Kamin, G. *see* Baum, P.J. 9−75185
Kamin, M., Krawczak, J.A., Lins, S.J., Torok, E.J., Stermer, R.L., Jr. Multilayer self-structured bubble memories 9−78483
Kaminaga, F. Analysis of reflood behavior of LOFT L2-4 test and FLOOD 4 code 9−97824
Kaminishi, K. Analytic calculation of photofractions for NaI(Tl) scintillation crystals to monoenergetic gamma rays 9−52038
Kaminow, I.P., Ramaswamy, V. Single-polarization optical fibers: slab model 9−50381
Kamins, T.I., Rose, P.H. Electron-beam annealing of ion-implantation damage in integrated-circuit devices 9−77622
Kamins, T.I. *see* Brown, W.A. 9−100058
Kamins, T.I. *see* Reif, R. 9−99228, 9−99229
Kaminska, M., Baranowski, J.M., Uba, S.M., Vallin, J.T. Absorption and luminescence of $Cr^{2+}(d^4)$ in II-VI compounds 9−83000
Kaminski, D.A. *see* Harrod, D.L. 9−52327
Kaminski, H., Kessler, J., Kollath, K.J. The 6s-6d quadrupole resonances in two-photon ionisation of caesium. Measurement of ion asymmetry and spin polarisation 9−72286
Kaminski, J. *see* Kawski, A. 9−83029
Kaminski, J.Z. Semi-inclusive scattering in QED 9−63388
Kaminski, W. *see* Ginzburg, A. 9−79766
Kaminski, W. *see* Szpikowski, S. 9−80875
Kaminskii, A.A., Fedorov, V.A., Ngoc Chan Three-micron stimulated emission by Ho^{3+} ions in an $LaNbO_4$ crystal 9−99910
Kaminskii, A.A., Fedorov, V.A., Sarkisov, S.E., Bohm, J., Reiche, P., Schultze, D. Stimulated emission of Ho^{3+} and Er^{3+} ions in $Gd_3Ga_5O_{12}$ crystals and cascade laser action of Ho^{3+} ions over the $^5S_2\rightarrow{}^5I_5\rightarrow{}^5I_6\rightarrow{}^5I_8$ scheme 9−91466
Kaminskii, A.A., Sarkisov, S.E., Mochalov, I.V., Aminov, L.K., Ivanov, A.O. Anisotropy of spectroscopic characteristics in the biaxial $YAlO_3$-Nd^{3+} laser crystals 9−50303
Kaminskii, A.A. *see* Perlin, Yu.E. 9−56853
Kaminskii, A.S., Alkeev, N.V., Voronkova, G.I., Pokrovskii, Ya.E. Luminescence of multiparticle exciton-impurity groups in silicon and its use to determine impurity composition 9−83003
Kaminskii, A.S., Pokrovskii, Ya.E. Polarization of recombination radiation from multiparticle exciton-impurity complexes in silicon induced by uniaxial deformation 9−78754
Kaminskii, F.V. *see* Klyuev, Yu.A. 9−92530
Kaminskii, N.I. *see* Volodin, V.D. 9−68135
Kaminskii, V.F. *see* Shibaeva, R.P. 9−94992
Kaminskii, V.K. *see* Shibaeva, R.P. 9−51096
Kaminskii, V.V., Vinogradov, A.A., Kapustin, V.A., Smirnov, I.A. Determination of the type and deformation potential of the conduction band in samarium monosulfide 9−69417
Kaminsky, M., Das, S.K., Ekern, R., Hess, D.C. An accelerator system for producing two-component beams for studies of interactive surface effects 9−49880
Kaminsky, M. *see* Das, S.K. 9−82266
Kaminsky, M. *see* Fenske, G. 9−51161, 9−69166
Kaminsky, N. *see* Aksinenko, V. 9−97713
Kaminsky, V.I. *see* Vikulov, V.F. 9−72030
Kaminsky, W. *see* Klein, J. 9−73112
Kamishina, Y. *see* Simkin, D. 9−99922
Kamitsubo, H., Motonaga, S., Kumagai, N., Nomura, T., Nakanishi, N., Wada, T., Kohno, I., Fujita, J., Nakajima, H., Ogiwara, K., Takebe, H., Yoshida, F. A proposed multi-purpose separated-sector cyclotron at IPCR 9−54662
Kamitsubo, H. *see* Ishihara, M. 9−80951
Kamitsubo, H. *see* Wada, T. 9−54614
Kamiura, Y. New shallow acceptors produced in germanium by quenching 9−51523
Kamiura, Y., Hashimoto, F. Analysis of defect annihilation process near 100°C in quenched germanium 9−95047
Kamiura, Y. *see* Hashimoto, F. 9−82590
Kamiwano, M., Oshima, N. Measurement method of liquid velocity using an image sensor. Application to a stirring vessel 9−77297
Kamiya, K., Matusita, K., Akiyama, H., Sakka, S. Crystallization of sodium digermanate, $Na_2Ge_2O_5$, from Na_2O-GeO_2 glasses 9−77527
Kamiya, K., Sakka, S., Mizutani, M. Preparation of silica glass fibers and transparent silica glass from silicon tetraethoxide 9−70038
Kamiya, K. *see* Sakka, S. 9−95210
Kamiya, S., Hirano, S., SOmiya, S. The compound Cr_2TiO_5 in the system Cr_2O_3-TiO_2 9−60329
Kamiya, T., Goto, K., Shinohara, I. Electric conductivity of TCNQ salts of ionene polymers containing triethylenediammonium or 4,4'-bipyridilium ring 9−91032
Kamiya, T. *see* Seki, K. 9−55139, 9−98365
Kamiya, T. *see* Yamamoto, Y. 9−55246
Kamiya, Y. Computational method for the dispersion, betatron functions and COD in nonlinear lattice 9−68028
Kamiya, Y. *see* Kamada, S. 9−68033
Kamiya, Y. *see* Ohgushi, K. 9−100633
Kamiyama, H. *see* Motojima, K. 9−89394
Kamiyama, Y. *see* Okuda, N. 9−100738
Kamiyoshi, K. *see* Baba, K. 9−99818
Kamiyoshi, K.-I., Yamakami, T. Measurement of dielectric constant of solid by immersion method. V. Effect of γ-irradiation on the dielectric constant of KCl crystal 9−51896
Kamizato, T. The pressure of a non-interacting electron system of a finite number of particles at zero-temperature 9−97301
Kamizono, H., Hamano, K. Relation between pore distribution and grain size of magnesia in the intermediate sintering stage 9−74124
Kamm, C., Dirks, D.D., Mickey, M.R. Effect of sensorineural hearing loss on loudness discomfort level and most comfortable loudness judgments 9−96577
Kammash, T. *see* Galbraith, D.L. 9−86590, 9−86603
Kammel, R. *see* Kishi, T. 9−91826
Kammerichs, KI. *see* Koch, L. 9−85705
Kammlott, G.W. *see* Johnson, L.F. 9−68451
Kammlott, G.W. *see* Sylwestrowicz, W.D. 9−51317
Kamo, H., Watari, W. Analysis of pp→π^+d and diproton resonances 9−93391
Kamoi, K., Kamefuchi, S. Tachyons as viewed from quantum field theory 9−58887
Kamoshida, M. *see* Nakamura, K. 9−73190, 9−90683
Kamotani, Y., Ostrach, S., Miao, H. Convective heat transfer augmentation in thermal entrance regions by means of thermal instability 9−81887
Kamouchi, Y. *see* Aguirre, C. 9−62699
Kamp, D. *see* Kahmann, R. 9−79463
Kamp, L.P.J. *see* Vandamme, L.K.J. 9−51642
Kamp, P.Van de *see* Van de Kamp, P.
Kampa, A.de la *see* de la Kampa, A.
Kampen, N.G.van *see* van Kampen, N.G.
Kampen, W.A.van *see* van Kampen, W.A.
Kamperman, T.M. *see* De Jager, C. 9−70955
Kamperman, T.M. *see* Kondo, Y. 9−70954
Kamperschroer, J.H., Bhadra, D.K. Neutral beam injection for the Doublet III device 9−94805
Kampfer, B., Rotter, I. Coulomb energy anomaly and charge-dependent nuclear forces 9−58997

Kampmann, B. Generation of a steady-state overdense plasma by microwaves near the dipole resonance of a coaxial discharge device 9—55523
Kampmann, B. Temporal development and properties of an overdense plasma produced by high power microwaves in a coaxial discharge device 9—55565
Kampmann, B. *see* Bohm, G. 9—60194
Kampp, W.D. *see* Nikutta, W.P. 9—76320
Kamran, M. Dual absorptive model and $\pi^{\pm}$p elastic scattering up to 280 GeV/c 9—63529
Kamrukov, A.S., Kozlov, N.P., Protasov, Yu.S. Radial limitation of the focal zone of a magnetoplasma compressor 9—55477
Kamrukov, A.S., Kozlov, N.P., Protasov, Yu.S. Dynamics and radiation of a cumulative plasmadynamic discharge 9—55578
Kamshilin, A.A. *see* Petrov, M.P. 9—55084, 9—98322
Kamstra, A.W. *see* Overdijk, J. 9—70720
Kamuntavicius, G.-P.P. Analysis of the Hamiltonian matrix in the base of the orthogonal scheme for the 0^+ state of the ^{16}O nucleus 9—63610
Kamuntavicius, G.-P.P. The types of collective motions that can occur in the electron shell of an atom 9—63886
Kamutavicius, G.-P.P. Binding energy and wave function of the ground state of the ^{16}O nucleus in the basis of the orthogonal schema 9—63582
Kamynov, Sh.V. *see* Grigor'ev, E.P. 9—93520
Kamys, B. *see* Bodek, K. 9—76015
Kamysheva, V.K. *see* Tret'yakov, Yu.D. 9—86905
Kamyshnikov, G.R. *see* Fedosov, V.N. 9—69797
Kan, B.I. *see* Melamedov, A.M. 9—87793
Kan, C.S., Calvert, J.G. Water vapor dependence of the kinetics of the CH_3O_2-CH_3O_2 reaction 9—61844
Kan, E. A remote sensing application: preprocessing and postprocessing aspects of forestry data analysis 9—92634
Kan, H., Katsuno, H., Sukegawa, T. Liquid phase epitaxial growth of lattice-matched GaP-$Ga_{0.5}Al_{0.5}P$-GaP layer under controlled phosphorus vapor pressure and reduced oxygen contamination 9—51445
Kan, H., Nakamura, T., Katsuno, H., Hagino, M., Sukegawa, T. A highly stable long-life GaP-GaAlP heterojunction cold cathode 9—69965
Kan, H. *see* Sukegawa, T. 9—87558
Kan, J.R., Akasofu, S.-I. A model of the auroral electric field 9—53608
Kan, J.R., Lee, L.C. Energy coupling function and solar wind-magnetosphere dynamo 9—96860
Kan, J.R. *see* Mitchell, H.G., Jr. 9—75052
Kan, J.R. *see* Wagner, J.S. 9—66879
Kan, L.S., Kast, J.R., Ts'o, D.Y., Ts'o, P.O.P. Computer programs for nucleic acids studies. Atomic coordinates of helices and their graphic display 9—86095
Kan, S.N., Kaplan, Yu.I., Panova, N.V. Influence of contour deformation in prebuckling state on bending stability of open cylindrical shells 9—94519
Kan, T., Kim, W.T. Electrical drift mobility in the cholesteryl benzoate 9—65481
Kan, T. *see* Miller, J.L. 9—86164
Kan, V. *see* Gurvich, A.S. 9—98279, 9—98280
Kan, Ya.S. *see* Frolov, V.A. 9—87194, 9—95550
Kan Fu-hsi Energy transfer process of neodymium ions Nd^{3+} in inorganic glasses. I. Radiative transmission 9—61431
Kan Fu-hsi Energy transfer processes of neodymium ions Nd^{3+} in inorganic glasses. II. Nonradiative transition 9—64232
Kan Kit-Keung *see* Kit-Keung Kan
Kan Xie *see* Xie Kan
Kana'an, A.S., Kanamueller, J.M. The thermal decomposition of lithium tetrafluoroborate. Equilibrium decomposition pressure and enthalpy of formation 9—91983
Kanada, H., Kaneko, T. Microscopic study of nucleon-^{4}He scattering and effective nuclear potentials 9—85425
Kanada, T., Nawata, K. Injection laser characteristics due to reflected optical power 9—81428
Kanada, Y. *see* Ichikawa, Y.H. 9—62990
Kanadani, T. *see* Ohta, M. 9—57023
Kanaev, A.S. *see* Kalnin', R.K. 9—96272
Kanagasabapathy, V.M. *see* Ramasamy, S. 9—97979
Kanagawa, A. *see* Yamamoto, I. 9—63812, 9—67955
Kanai, K., Minaka, A., Nakamura, A., Sumiyoshi, H. Elastic pion-deuteron scattering and dibaryon resonances 9—97634
Kanai, K., Minaka, A., Nakamura, A., Sutieti, G. Dibaryon resonances in a π-deuteron channel 9—89331
Kanaji, T. Measurement of extreme high vacuum by modulated B-A gauge 9—71473
Kanakavel, M. *see* Annamalai, A. 9—76416
Kanal, M. *see* Burke, W.J. 9—62670
Kanamaru, F. *see* Noda, Y. 9—78590
Kanamori, A. Annealing behavior of the oxygen donor in silicon 9—51129
Kanamori, A., Imanaka, N., Nakai, Y. Design of the MONJU heat transport system and the related R & D work, including steam generator 9—97791
Kanamori, A. *see* Abe, S. 9—63734
Kanamori, A. *see* Kawashima, K. 9—80973
Kanamori, A. *see* Tajima, M. 9—87499
Kanamori, H. *see* Butler, R. 9—92495
Kanamori, H. *see* Carlson, R. 9—92493
Kanamori, H. *see* Hadley, D. 9—66634, 9—92510
Kanamori, H. *see* Hanks, T.C. 9—84157
Kanamori, H. *see* Hayashi, S. 9—65303
Kanamori, H. *see* Ishida, M. 9—66626
Kanamori, H. *see* Matsumoto, M. 9—77541
Kanamori, H. *see* Uyeda, S. 9—70778
Kanamori, J. Atomistic approach to ordering 9—94947
Kanamori, J., Teraoka, Y. Theory of volume anomalies in magnetic transition metal alloys 9—56490
Kanamori, Y. *see* Kido, Y. 9—95887
Kanamueller, J.M. *see* Kana'an, A.S. 9—91983
Kananov, S.D. *see* Atenelashvili, M.I. 9—84626
Kanaoka, C., Emi, H., Aikura, T. Collection efficiency of aerosols by micro-perforated plates 9—64760
Kanarchuk, V.E. Investigation of the effect of vibrations on the wear of cast iron 9—52389
Kanarek, T. *see* Abdivaliev, L. 9—93568
Kanarek, T. *see* Angelov, N.S. 9—97638
Kanarek, T.I. *see* Dremin, I.M. 9—75807
Kanasashi, H. *see* Sone, T. 9—81654
Kanasewich, E.R. *see* Havskov, J. 9—66821
Kanavets, V.P. *see* Zhurkin, V.V. 9—89313
Kanavi, S.C., Mehta, C.H., Patil, S.H. Dispersion relations for Stark energy shifts in hydrogen atom 9—93952
Kanavi, S.C., Patil, S.H., Mehta, C.H. Dispersion relations for the Stark effect in the hydrogen atom 9—63956
Kanaya, K. Infra-red behaviour of QED with Weinberg's and 't Hooft's renormalization group equations 9—89085
Kanaya, K. *see* Baba, N. 9—55045
Kanaya, K. *see* Yoshie, O. 9—82556
Kanayama, H., Ohtsuka, K. A numerical experiment on the COD distribution of Mikawa Bay 9—57512
Kanayama, S. *see* Nakatsuji, H. 9—98002
Kanayama, Y. *see* Nakayama, H. 9—66148
Kanazawa, A. *see* Kimura, N. 9—58976
Kanazawa, K., Yamaguchi, K., Kobayashi, K. Effects of temperature and strain rate on low-cycle fatigue behavior of a 12 Cr martensitic stainless steel SUS 403-B 9—87717
Kanazawa, M. *see* Ikeda, H. 9—58967
Kanazawa, T., Hosoya, H., Iwata, S. Semiempirical MO study on the abnormal bond orders of large networks of highly branched polyenes 9—59610
Kanazawa, T. *see* Hosono, H. 9—77526, 9—78510
Kanazawa, T. *see* Kawazoe, H. 9—69870, 9—95640
Kanazirev, V.I. *see* Galunsky, B.P. 9—61920
Kanazirski, K.M. *see* Avdeichikov, V.V. 9—97711
Kanbayashi, K. *see* Osamura, K. 9—56989
Kanbe, H. *see* Susa, N. 9—49286
Kanbe, H. *see* Takagi, S. 9—54601
Kanbe, M. *see* Tamura, T. 9—75818
Kancerevicius, A.Yu. Mixing of the $3p^N4s^K$ configurations in atoms and ions of the transition elements 9—63910
Kanda, F.A., Domingue, J.A. The absolute viscosity of some lead-thallium alloys 9—65233
Kanda, K. *see* Kobayashi, K. 9—80976
Kanda, K. *see* Takeuchi, H. 9—54469
Kanda, K. *see* Yoneda, K. 9—54492
Kandalyan, R.A. *see* Sanamyan, V.A. 9—88737, 9—88740
Kandaswamy, J., Salomonson, P., Schechter, J. Enforcing strong T and P conservation 9—67481
Kandaurov, L.E., Gun, G.S., Sukhanov, Yu.K., Makarchuk, A.A. Expert assessments in analysis of methods of strain investigation 9—52539
Kandaurova, G.S., Lagutin, A.E. Domain structure of monocrystalline $TbFe_2$ platelets with surface planes {111} 9—91247
Kandaurova, G.S. *see* Ivanov, Yu.V. 9—95605
Kandel, E.R. *see* Castellucci, V.F. 9—83806
Kandel, E.R. *see* Klein, M. 9—92209
Kandel, E.R. *see* Maxwell Cowan, W. *(editor)* 9—96540
Kandelaki, A.Z. *see* Gvelesiani, G.G. 9—52113
Kandiah, K. The evolution of nuclear detector instrumentation 9—72219
Kandidov, V.P., Khristochevskii, S.A. Determination of the pressure of a fluid on a cylinder by the finite-element method 9—64384
Kandilarov, B.D., Detcheva, V., Primatarowa, M.T. Influence of the interface spacing on the interface states in heterojunctions between monatomic semiconductors 9—95478
Kandilarov, B.D., Primatarowa, M.T. Energy-band profile and interface states in semiconductor heterojunctions 9—78162
Kandler, H. *see* Repnow, R. 9—72214
Kandlikar, S.G., Vij, S.K. Geometrical aspects of a cylindrical parabolic collector 9—62109
Kando, M. *see* Nobata, K. 9—90483
Kandpal, H.C., Agarwal, A.K., Tripathi, H.B. Diffusion-limited energy transfer from $Tb^{3+}\rightarrow Nd^{3+}$ and $Tb^{3+}\rightarrow Ho^{3+}$ in DMSO 9—61428
Kandpal, H.C. *see* Tripathi, H.B. 9—65925
Kandpal, M.C. *see* Bhide, V.G. 9—95691
Kanduser, A. *see* Filipic, C. 9—78607
Kandyba, P.E., Kolesnikov, D.P., Kolyasnikov, V.A., Koretskaya, S.T., Lavrishchev, V.P., Ryzhkov, V.A., Samus', A.N., Semenov, V.K. Josephson junctions with single-crystal silicon 9—56400
Kandyrin, L.B., Kuleznev, V.N., Chernin, E.I., Freidin, A.S., Grinberg, S.M. Calculation of the elastic modulus of a filled polymer at high filler contents 9—57030
Kane, E.O., Schluter, M. Charge disturbances around neutral defects: a simple new method applied to the ideal silicon vacancy 9—82554
Kane, G.L. Speculations concerning possible new physics from experiments above 10 TeV 9—63564
Kane, G.L., Leveille, J.P., Scott, D.M. Estimating inclusive ψ and $\psi\eta_c$ production in e^+e^- annihilation 9—85308
Kane, G.L., Smith, J., Vermaseren, J.A.M. Neutrino-induced multilepton events arising from the associated production of charmed particles 9—63469
Kane, G.L., Stowe, K., Rolnick, W.B. General analysis of D→K$\pi l\nu$ physics 9—67545
Kane, G.L. *see* Kamal, A.N. 9—89157
Kane, J. *see* Hitchman, M.L. 9—91594
Kane, L. *see* McKeith, C.D. 9—62749
Kane, P.P. *see* Basavaraju, G. 9—75973
Kane, R.D. *see* Burton, J.J. 9—83204
Kane, R.P. Maximum entropy spectral analysis of some artificial samples 9—66829
Kane, R.P. Abnormalities in the latitudinal variation of DS 9—84591
Kane, S.M., Ahn, K.Y. Characteristics of ion-beam-sputtered thin films 9—77938
Kane, S.M. *see* Kryder, M.N. 9—82843
Kane, W.R. *see* Cizewski, J.A. 9—75853
Kaneda, T., Bates, J.B., Wang, J.C., Engstrom, H. Effect of H_2O on the ionic conductivity of sodjum beta-alumina 9—99364
Kaneda, T., Fukuda, H., Mikawa, T., Banba, Y., Toyama, Y., Ando, H. Shallow-junction p^+-n germanium avalanche photodiodes (APD's) 9—87143
Kaneda, T., Mikawa, T., Toyama, Y., Ando, H. The crystal orientation dependence of multiplication noise in germanium avalanche photodiodes 9—80680
Kaneda, Y., Fujii, S., Kobashiri, Y., Yoshida, M., Matsuo, M. Pattern recognition and three dimensional construction from CT images 9—83924
Kaneda, Y. *see* Fujii, S. 9—83926
Kanefusa, S., Nitta, M., Haradome, M. Some unique aspects on ThO_2-doped SnO_2 exposed to H_2 gas 9—56219
Kaneko, A. Physiology of the retina 9—96558
Kaneko, A., Honji, H. Double structures of steady streaming in the oscillatory viscous flow over a wavy wall 9—94636
Kaneko, F. *see* Yamashita, K. 9—73591
Kaneko, I. Piecewise linear elastic-plastic analysis 9—55331
Kaneko, K., Ayabe, M., Isawa, N. Improvements in SSD growth of GaP 9—65992
Kaneko, K., Ishida, S., Hosokawa, Y., Kawai, K. On the average molecular weight of phenolic resins and viscosity of their acetone solutions 9—65234
Kaneko, K., Nagasawa, H., Kajiwara, K. Toroidal defect at the heterointerface between GaAs and $Al_xGa_{1-x}As$ epitaxial layer 9—77933
Kaneko, K., Takekawa, S., Hosokawa, Y., Ishida, S. On the exponential diffusion equation 9—65230
Kaneko, K. *see* Uenosono, C. 9—81324, 9—81325
Kaneko, M. *see* Onoe, M. 9—55092
Kaneko, S. *see* Arikawa, T. 9—93254
Kaneko, T. A note on baryon-lepton symmetry and quark mass spectrum 9—54306
Kaneko, T., Ishii, A. One-dimensional hologram recording with the use of an acousto-optic deflector 9—81397
Kaneko, T., Ohashi, M., Abe, S., Yoshida, H. Insulator-metal transition in $Sm_{1-x}Gd_xS$ induced by temperature and pressure 9—51488
Kaneko, T. *see* Aguirre, C. 9—62699
Kaneko, T. *see* Harada, K. 9—80810
Kaneko, T. *see* Kamigaki, K. 9—61183
Kaneko, T. *see* Kanada, H. 9—85425
Kaneko, Y. *see* Akino, F. 9—54465
Kaneko, Y. *see* Itoh, Y. 9—54946
Kaneko, Y. *see* Kobayashi, I. 9—52976
Kanel', G.I. *see* Anan'in, A.V. 9—86838
Kanel, H.von *see* von Kanel, H.
Kanellis, G. *see* Morhange, J.F. 9—73189, 9—99881
Kanellopoulos, J.D., Fikioris, J.G. Resonant frequencies in an electromagnetic eccentric spherical cavity 9—72457

Kanellopoulos, N.K. A double-acting mercury-piston gas pump 9—67270
Kaner, E.A., Chebotarev, L.V. Slow surface waves in strongly anisotropic crystals 9—69333
Kanert, O. *see* Selbach, H. 9—78547
Kanesaka, I., Naka, H., Kawai, K. The methyl torsion in toluene (h_8,d_8) and nitromethane (h_3,d_3) in the polycrystalline state 9—82970
Kaneshima, K., Oomori, T., Yamada, T. Study of ground waters on both GIJI and Kian water-springs in southern Okinawa 9—96783
Kaneshiro, H., Yahuso, T., Katagiri, K., Awatani, J. Fractographic study on the early stage fatigue cracks of α-brass in vacuum 9—61781
Kaneta, K. *see* Abe, M. 9—65661
Kaneta, K. *see* Nomura, S. 9—51885
Kaneti, J. *see* Franke, R. 9—62176
Kanetkar, S.M. *see* Gupta, M.P. 9—78585
Kaneto, K., Yamamoto, M., Yoshino, K., Inuishi, Y. Electrical conductivity and galvanomagnetic effects in $(SN)_x$ single crystal 9—91091
Kaneto, K. *see* Ueno, N. 9—98249
Kaneto, K. *see* Yamamoto, M. 9—51611
Kaneto, K. *see* Yoshino, K. 9—51559, 9—65563
Kanety, H. *see* Huppert, D. 9—85998
Kanev, B.N., Rozhdestvenskii, A.N. Tunable ASW delay line using a layered piezoelectric-liquid-piezoelectric structure 9—94431
Kanevskaya, E.A. *see* Baiburina, S.G. 9—80156, 9—80170
Kanevskaya, E.A. *see* Baradzei, L.T. 9—80159
Kaneyoshi, T. Comment on the indirect exchange interaction in an amorphous magnet 9—65669
Kang, C. *see* Yang, L. 9—59171
Kang, J.S. Perturbation constraint on the Higgs Boson mass 9—67493
Kang, S.T., Shimizu, R., Okutani, T. Sputtering of Si with keV Ar^+ ions. I. Measurement and Monte Carlo calculations of sputtering yield 9—95886
Kang Li-shan *see* Wang Ren-hui 9—73072
Kang Suk Tai *see* Suk Tai Kang
Kang Young Kyu *see* Young Kyu Kang
Kang-lung Sheng *see* Sheng Kang-lung
Kangas, J. *see* Horita, R.E. 9—53673
Kangas, J. *see* Untiedt, J. 9—66888
Kanh, C.N'Guyen *see* N'Guyen Kanh, C.
Kani, E. *see* Motojima, S. 9—66010
Kania, M.J., Valentine, K.H. Irradiation performance assessment of HTGR coated-particle fuel by IMGA analysis 9—54543
Kania, M.J. *see* Lindemer, T.B. 9—54584
Kania, S., Lipinski, A., Mycielski, W. Field-dependent mobility in oriented p-quaterphenyl layers 9—91169
Kanikovskii, V.B. *see* Savitskii, E.M. 9—65220
Kanishchev, V.P. *see* Khlestkin, D.A. 9—90339
Kanishcheva, N.A. *see* Vikulin, I.M. 9—60918
Kanitkar, P.L. *see* Dharmadhikari, C.V. 9—56075
Kanjilal, A.K. A penta mirror assembly 9—81505
Kankanyan, S.A. *see* Avakyan, V.V. 9—49564
Kankeleit, E. *see* Backe, H. 9—86093
Kannan, A. Lyoluminescence studies with a photon counting system 9—97441
Kanney, L. *see* Danilowicz, R. 9—77769
Kanninen, M.F. *see* Gehlen, P.C. 9—72857
Kanno, H., Angell, C.A. Water: anomalous compressibilities to 1.9 kbar and correlation with supercooling limits 9—65134
Kanno, M. *see* Kishida, K. 9—57141
Kanno, S. *see* Takeda, H. 9—83990
Kanno, T. *see* Umeya, K. 9—61916
Kannoto, Y. *see* Miyazaki, N. 9—97825
Kano, G. *see* Teramoto, I. 9—66181
Kano, H. *see* Oe, K. 9—90023
Kano, H. *see* Yamada, J. 9—98418
Kano, S. *see* Matsushima, F. 9—68243
Kano, T. *see* Yamamoto, H. 9—69891
Kanofsky, A. *see* Allen, R. 9—85504, 9—85505, 9—85506, 9—85507
Kanofsky, A. *see* Dris, M. 9—49491
Kanomata, I. *see* Ishitani, T. 9—54734
Kanonidi, Kh.D. Weak global magnetic disturbances 9—53660
Kanonidi, Kh.D., Osipov, N.K. Variability of magnetically conjugate structures of the field of S_q variations 9—58191
Kanovich, M.Z. *see* Koltunov, M.A. 9—95994
Kanstad, S.O., Nordal, P.-E. Photoacoustic and photothermal spectroscopy—novel tools for the analysis of particulate matter 9—61929
Kant, A., Moon, K.A. Dissociation energies of gaseous CuH, AgH, AuH, and NiH 9—91925
Kant, R.A., Myers, S.M., Picraux, S.T. Experimental study of precipitation in an ion-implanted metal: Sb in Al 9—55766
Kantardjian, G. *see* Amaldi, E. 9—71771
Kantariya, R.V., Pavelets, S.Yu., Razykov, T.M., Umarov, G.Ya., Fedorus, G.A. Nontrivial dependence of the photo-emf of $Cu_{2-x}S$-CdS solar cells on the degree of doping of cadmium sulfide 9—52934
Kanteladze, N.G. *see* Bandzeladze, A.E. 9—70279
Kantele, J. *see* Celler, A. 9—76500
Kanter, E. *see* Rockmore, R. 9—76038
Kanter, F.J.J.de *see* de Kanter, F.J.J.
Kantha, R. *see* Chandrasekhara, B.C. 9—77262
Kantola, R.A. Noise characteristics of heated high velocity rectangular jets 9—94604
Kantor, A.Sh. *see* Byrin, V.N. 9—50499
Kantor, G.J., Hull, D.R. An effect of ultraviolet light on RNA and protein synthesis in nondividing human diploid fibroblasts 9—92291
Kantor, T., Pungor, E., Sztatisz, J., Bezur, L. Graphite furnace and flame atomic-absorption technique for thermoanalytical investigations 9—100477
Kantrowitz, A. *see* Freed, P.S. 9—84019
Kantser, V.G. *see* Volkov, B.A. 9—78300
Kantsevich, I.A. *see* Zabolotskii, A.A. 9—70020
Kantsyrev, V.L. *see* Bykovskii, Yu.A. 9—98989
Kantus, R., Schmidt-Ott, W.-D. Radiative capture of deuterons in Ba and Au 9—76002
Kantz, A.D. *see* Humpherys, K.C. 9—49871
Kanuga, K.K. *see* Kapoor, R.K. 9—92573
Kanukova, N.N. *see* Kartalov, G.A. 9—57812
Kanunnikov, L.A. Reaction order of thermally stimulated recombination 9—95853
Kanunnikov, V.P. *see* Akmetshin, A.M. 9—70281
Kanwal, R.P. *see* Datta, S. 9—71253
Kanwal, R.P. *see* Jain, D.L. 9—76999, 9—86369
Kanwal, R.P. *see* Sachdeva, B.K. 9—81776
Kanwar, S., Pandit, P.N., Verma, R.C., Khanna, M.P. Parity violating hadronic decays of charmed baryons in SU(8) with right-handed current 9—89077
Kanwar, S., Verma, R.C., Khanna, M.P. Parity violating and parity conserving decays $(1/2^+ \to 3/2^+ + 0^-/1^-)$ of charmed baryons in Abe. Fujii and Sato model 9—97623
Kanyuka, A.K. *see* Geichenko, V.V. 9—77543
Kanzaki, H., Murata, Y., Suga, S. Spectroscopy using synchrotron radiation 9—63311
Kanzaki, H. *see* Inoue, K. 9—73967
Kanzaki, H. *see* Mitani, T. 9—91513
Kanzaki, H. *see* Suemoto, T. 9—65893
Kanzaki, S., Saito, K., Nakagawa, Z., Hamano, K. Variation of transparency and microstructure on annealing of hot-pressed Mg-Al spinel ceramics 9—74188
Kanzenbach, J. *see* Luedeke, K.M. 9—100692
Kanzig, W. *see* Labhart, M. 9—95630
Kao, C., Ohley, W., Singh, A., Radovsky, A., Jaron, D. Experimental determination of the arterial system impulse response: preliminary results 9—79594
Kao, C. *see* Ohley, W. 9—96600
Kao, C.S. *see* Mau, S.T. 9—88277
Kao, K.C. *see* Nakashima, K. 9—87134, 9—99557
Kao, K.C. *see* Noda, M. 9—82695
Kao, K.C. *see* Watanabe, H. 9—99079
Kao, K.J., Perlman, M.M. X-ray effects on cation impurity-vacancy pairs in KCl:Eu^{2+} 9—55778
Kao, K.J. *see* Perlman, M.M. 9—87378
Kao, P.-W., Ure, R.W., Jr., Byrne, J.G. A study of hydrogen charging of nickel by positron Doppler broadening 9—83055
Kao, S.K., Okrasinski, R.J., Lordi, N.J., Schmidlin, F.J. Horizontal eddy diffusivities in the northern hemispheric stratosphere and lower mesosphere 9—84439
Kao, S.K. *see* Tsay, C.-Y. 9—58058
Kao, Y.H. *see* Stern, M. 9—56433
Kao, Y.H. *see* Wang, F.F.Y. 9—73961
Kao Chung-Whei *see* Chung-Whei Kao
Kao Yi-Han *see* Yi-Han Kao
Kapadia, R. Insight and intuition 9—80397
Kapahi, V.K. Westerbork observations of flat spectrum galaxies in the 5 GHz 'S4' survey 9—58435
Kapali, V. *see* Subramanyan, N. 9—70215
Kapalin, V.N. *see* Baldin, A.M. 9—72125
Kapanin, V.V., Sirotin, Ya.D., Reitlinger, S.A., Prilipov, V.V. Determination of the solubility of gases in polymeric films by the method of gas chromatography 9—65205
Kapchinskij, I.M., Lazarev, N.V. The linear accelerator structures with space-uniform quadrupole focusing 9—71998
Kapelewski, J., Rogula, D. Pseudocontinuum approach to the theory of interactions between impurity defects and crystal lattice 9—69214
Kaper, H.G. Boundary value problems of mixed type arising in the kinetic theory of gases 9—55440
Kaper, H.G. Spectral representation of an unbounded linear transformation arising in the kinetic theory of gases 9—55441
Kapetanakos, C.A. Astron type equilibrium in the absence of an applied magnetic field 9—64899
Kapfer, H. *see* Galayda, J. 9—68038
Kapil, A.K., Gupta, S.K., Singal, C.M., Srivastava, V.K. Electric dipole moment measurements by internal-voltage technique 9—76532
Kapil, A.K., Singal, C.M., Srivastava, V.K. Internal voltage in symmetric MIM junctions with even number of organic monolayers 9—78202
Kapil, A.K. *see* Gupta, S.K. 9—82684
Kapila, A.K., Matkowsky, B.J. Reactive-diffuse systems with Arrhenius kinetics: Multiple solutions, ignition and extinction 9—66260
Kapinos, V.M., Khrestovoi, Yu.L. Numerical solution of a nonsteady differential equation of heat conduction 9—90110
Kapisinsky, I. On the reliability of the acoustic method of micrometeoroid detection 9—80232
Kapitanov, E.V. Mossbauer effect in Mg_2Sn under pressures up to 75 kbar 9—69759
Kapitanov, E.V., Yakovlev, E.N. Mossbauer investigation of SnO under hydrostatic pressure up to 41 kbar 9—51892
Kapitanov, E.V., Yakovlev, E.N. Mossbauer study of phase transitions under high hydrostatic pressures. I. The phase transition of Mg_2Sn 9—87628
Kapitanov, E.V., Yakovlev, E.N. Mossbauer study of phase transition under high hydrostatic pressures. II. The phase transition of SnTe 9—95162
Kapitanov, N.N., Petrova, N.P., Ippolitov, V.V. The STIM-27 multiple staple tissue suturing apparatus with needle-shaped matrices 9—57808
Kapitanov, V.A. *see* Godlevskii, A.P. 9—54863
Kapitanov, V.F. *see* Petlitsa, A.P. 9—76074
Kapitza, H. *see* Berger, C. 9—49519
Kapitza, P.L. Plasma and the controlled thermonuclear reaction 9—93826
Kapkowski, J. Elastic-plastic analysis of bridge plate of pin joints 9—64608
Kaplan, A.A. Grips for high-temperature tensile testing 9—52507
Kaplan, A.A., Gusarov, V.V., Siov, B.N., Titov, B.V. Highly productive tensile testing machine for materials up to 3000°C 9—87776
Kaplan, D. *see* Brodsky, M.H. 9—60757
Kaplan, D. *see* Cohn, D.R. 9—71971
Kaplan, D. *see* Friederich, A. 9—69721
Kaplan, D. *see* Schlenker, C. 9—78337
Kaplan, D.M. *see* Jostlein, H. 9—89310
Kaplan, D.R., Corbett, J.W., Weigel, C. Calculations on the properties of helium in silicon 9—99183
Kaplan, E. *see* Nejdl, I.F. 9—88181
Kaplan, F.S. *see* Litovskii, E.Ya. 9—73352
Kaplan, G.D., Nogin, V.M. Thermal generation of carriers via surface centers after nonequilibrium switching of a metal-insulator-semiconductor structure to the inversion regime 9—69603
Kaplan, H. *see* Shapiro, M. 9—101186
Kaplan, J. *see* Kuhn, J.K. 9—93438
Kaplan, J.I., Carter, R.E. Amplitude-modulated nuclear magnetic double resonance in a two-spin system with chemical exchange 9—93194
Kaplan, J.L., Yorke, J.A. Preturbulence: a regime observed in a fluid flow model of Lorenz 9—72883
Kaplan, M. *see* Davidov, D. 9—73297
Kaplan, M. *see* Litster, J.D. 9—95129
Kaplan, M.D., Veremeenko, S.V. Normal-mode propagation in a double coaxial composition rod 9—100317
Kaplan, M.D. *see* Veremeenko, S.V. 9—50641
Kaplan, M.W. *see* Corless, J.M. 9—83771
Kaplan, P.E. F-waves as an electrodiagnostic confirmation of brachial plexus neuropathies of the upper trunk 9—74779
Kaplan, R.E. *see* Wygnanski, I. 9—68733
Kaplan, S., Feerick, B.T., Sim, R.G. Design basis and FTR testing of an advanced wire-wrap driver fuel assembly 9—59152
Kaplan, S.A., Kleiman, E.B., Ojringel', I.M. Maser effect in the 21 cm line in a turbulent interstellar plasma 9—88727
Kaplan, S.A. *see* Grigor'eva, V.P. 9—62805
Kaplan, S.B. *see* Kirley, J.R. 9—56412
Kaplan, T. *see* Diehl, H.W. 9—77704
Kaplan, T. *see* Hemenger, R.P. 9—70523
Kaplan, T. *see* Mostoller, M. 9—60618, 9—73279
Kaplan, V.B. *see* Baksht, F.G. 9—77430, 9—77431
Kaplan, Yu.I. *see* Kan, S.N. 9—94519
Kaplanis, S.N. Efficiency variations of cylindrical detectors for non-axial point-sources 9—49902
Kaplienko, E.I. *see* Krivusha, Yu.V. 9—52164
Kaplin, V.V., Vorob'ev, S.A. Energy and temperature dependence of the frequency characteristics of the radiation emitted in electron channeling 9—73236
Kaplin, V.V. *see* Kalinin, B.N. 9—61274
Kaplin, V.V. *see* Vorob'ev, S.A. 9—61280, 9—91521
Kaplinski, E. *see* Carel, R.S. 9—79669
Kaplow, R. *see* Mahan, J.E. 9—87990
Kaplunnik, L.N. *see* Petrova, I.V. 9—77581
Kaplunov, M.G. *see* Kachapina, L.M. 9—56787
Kaplyanskii, A.A. *see* Akimov, A.V. 9—95860
Kaplyanskii, A.A. *see* Barta, C. 9—99337
Kaplyanskii, A.A. *see* Zadokhin, B.S. 9—73948
Kaplyanskiy, A.A., Litvinova, T.P., Tukh, A.I., Gitin, V.Ya., Zhil'tsova, S.I. Combining a laser beam with optical antennas 9—81475
Kapon, E., Piasetzky, E., Eisenberg, J.M. Models for the non-static NΔ interaction 9—67667
Kapon, M. *see* Herbstein, F.H. 9—77586
Kapoor, M.L. *see* Agrawal, R.D. 9—77761
Kapoor, M.R., Chakraborty, P.K. Electronic circuits for condenser microphones 9—98585
Kapoor, P. *see* Chand Paul, R. 9—51293
Kapoor, R. *see* Chand Paul, R. 9—51293
Kapoor, R. *see* Paul, R.C. 9—57239
Kapoor, R.K., Kanuga, K.K., Paul, S.K., Sharma, S.K. Characteristic features of atmospheric aerosols over India and their role in warm rain process 9—92573
Kapoor, S.S. *see* Choudhury, R.K. 9—85865

Kapor, D.V. *see* Kozmidis, U.F. 9—56133
Kaporskii, L.N. *see* Bonch-Bruevich, A.M. 9—68900
Kappakas, G.S. *see* Gumerman, L.W. 9—70613
Kappel, W. *see* Kneis, W. 9—54709
Kappeler, F., Wisshak, K. Experimental techniques for neutron cross section measurements on short-lived actinide isotopes with a Van de Graaff accelerator 9—85713
Kappeler, F. *see* Beer, H. 9—89336
Kappeler, F. *see* Hage, W. 9—85569
Kappeler, F. *see* Kazerouni, M.A. 9—97945
Kappen, L. *see* Ligtvoet, C. 9—62316
Kappert, H.F., Sixt, G., Schwuttke, G.H. Minority carrier lifetime in silicon after Ar^+ and Si^+ implantation 9—65493
Kappes, W. *see* Gonser, U. 9—56639
Kappler, P., Ehrburger, P., Lahaye, J., Donnet, J.-B. Fine carbon particle formation by carbon-vapor condensation 9—52781
Kapral, R., Shin, K.J. Generalized Langevin equation approach to reaction dynamics in liquids 9—91908
Kapral, R. *see* Lebenhaft, J.R. 9—54074
Kapron, F.P. Baseband response function of monomode fibers 9—50434
Kapron, F.P. Optical properties of the transmission medium 9—90036
Kaprzyk, S. *see* Van Laar, B. 9—50949
Kapsa, PH. *see* Georges, J.M. 9—79120
Kapshin, Yu.S., Klyubin, V.V., Noskin, V.A., Otchik, Ya.M., Reinov, N.M. Real-time analysis of optical mixing spectra 9—67392
Kapshivyi, A.A. Mixed axisymmetric problem for a finite elastic cylinder weakened by an internal circular crack 9—59944
Kaptanoglu, S. One-loop-generated CP violation in $SU(2)\otimes U(1)\otimes U(1)'$ gauge theories and their extensions 9—89078
Kaptein, R. *see* de Kanter, F.J.J. 9—54867
Kaptereva, Yu.V. *see* Ostapenkov, A.M. 9—83855
Kaptsov, L.N. *see* Evtyukhov, K.N. 9—72576
Kapur, A., Steer, R.P., Mezey, P.G. Ab initio SCF MO calculations of the potential surfaces of thiocarbonyls. III. Ground state and first excited triplet state of thiourea, $(NH_2)_2CS$ 9—89597
Kapur, J.C. A passive integrated unit for the collection, thermal storage in fusion materials and distribution of solar energy for home heating and other applications 9—57482
Kapur, J.C. A heat operated mechanical device to control the temperature and flow of water entering a hot water storage tank in a solar water heating system 9—62138
Kapur, V.K. *see* Bhattacharya, S.C. 9—57491
Kapusta, O.I. *see* Atensio, A.A. 9—69578
Kapustin, A.P. Boundary effects in thin layers of a mesophase 9—94903
Kapustin, V.A. *see* Kaminskii, V.V. 9—69417
Kapustin, V.D. *see* Ermilin, N.R. 9—91765
Kapustin, Yu.A. *see* Postnikov, V.S. 9—73252
Kaputerko, M.N. *see* Borisevich, N.A. 9—94031
Kaputkina, L.M. *see* Bernshtein, M.L. 9—57018
Kar, A. *see* Kundu, P. 9—54200
Kar, K., Das, N.C. Temperature-dependent magnetic susceptibility of metallic electrons: application to cadmium 9—61046
Kar, R.C. Stability of a non-uniform beam on a viscoelastic foundation with a shear layer subjected to a non-conservative force 9—86374
Kar, S., Shankar, D., Joshi, S.P. On the role of interface states in MOS solar cells 9—61979
Kar Leela *see* Leela Kar
Karabanov, R.I., Latyshev, V.N. Electromechanical processes for the grinding of metals in an oxidising medium 9—79149
Karabegov, M.A., Komrakov, Yu.I., Khurshudyan, S.A. Effect of light scattering in a cuvette on the error of differential refractometers 9—75573
Karabutov, A.A. *see* Burmistrova, L.V. 9—64478
Karachentsev, I.D. *see* Afanasjev, V.L. 9—101212
Karachentsev, I.D. *see* Zasov, A.V. 9—67103
Karachentseva, V. *see* Afanasjev, V.L. 9—101212
Karachentseva, V.E. *see* Zasov, A.V. 9—80357
Karade, T.M. On stationary spherically symmetric cluster of particles 9—71298
Karade, T.M., Chiney, S.P. Rotations in space-time 9—97190
Karadimov, D.S. *see* Petukhov, N.N. 9—93264
Karadzov, A.G. A complex method of computing X- γ-exposures when using the FP-TW photo assembly 9—85831
Karadzov, A.G., Ganev, G.S., Trajkov, A.P. An analogue computer of radiation exposures with energies 0.07 to 3.0 MeV registered with film dosimeters 9—85877
Karaev, K.Sh., Ilyukhin, V.V., Ashirov, A., Kazakov, A., Belov, N.V. Crystal and molecular structure of 2-bromophenoxyacetyl-4-propylbenzene 9—60349
Karafiloglou, P.K. Second-order properties and the orbital model: a perturbational approach to nuclear spin-spin coupling constants in a series of related molecules 9—81217
Karagodin, V.P., Gianik, T., Pasechnik, V.I., Kagan, V.Ye. Effect of the products of peroxide oxidation of the lipids and hydrolysis of the phospholipids on the elastic properties of flat bilayer membranes 9—92165
Karagodin, Yu.A. *see* Glazov, V.M. 9—87832
Karaivanov, V. *see* Markov, I. 9—95299
Karakad'ko, V.K. *see* Iokdo, M.G. 9—80145
Karakhanov, S.M. Pulsed heating of conductors in ultrahigh vacuum. 'Anomalous' electron emission 9—55598
Karakhanyan, K.I. *see* Avetisyan, S.K. 9—95338
Karakhanyan, R.K., Grigoryan, P.A. Unindexable and forbidden lines in the Kikuchi electron patterns of silicon 9—94850
Karakhanyan, R.K. *see* Grigoryan, P.A. 9—55614
Karaki, S., Lof, G.O.G., Armstrong, P.R. Space heating with solar all-air systems—CSU Solar House II 9—57406
Karaki, S. *see* Tani, T. 9—57441
Karakishev, S.D. *see* Bogachev, I.N. 9—83334
Karakostas, T., Delavignette, P. Grain boundary analysis in TEM. II. A modified O-lattice for CSL and DSC lattice determination 9—55752
Karakushan, E.I., Fattakhdinov, A.U. Magnetodiode effect in proton-irradiated p-type silicon 9—69591
Karakushan, E.I., Ponomarev, Ya.G., Stafeev, V.I. Effect of magnetic fields on current-voltage characteristics of planar silicon magnetodiodes at low temperatures 9—91134
Karakushan, E.I. *see* Egiazaryan, G.A. 9—73579
Karamaliev, R. *see* Bambini, A. 9—68398
Karamercan, O.E., Gainer, J.L. The effect of pulsations on heat transfer 9—94614
Karami, H., Carr, J., Debenham, N.C., Garbutt, D.A., Jones, W.G., Binnie, D.M., Keyne, J., Moissidis, P., Sarma, H.N., Siotis, I. Elastic scattering and ω meson production near the threshold of $\pi^- p \rightarrow \omega + n$ 9—75789
Karami, H. *see* Binnie, D.M. 9—54343
Karamushko, V.I. *see* Bevza, Yu.G. 9—60988, 9—91189
Karamyan, S.A. *see* Bochev, B. 9—97648
Karamysh, V.F. *see* Komarov, N.S. 9—97040
Karamysheva, L.A., Torgova, S.I., Kovshev, E.I., Barnik, M.I. Synthesis and dielectric properties of liquid crystals containing two cyano groups 9—86685
Karandashev, V.A. *see* Abrosimov, V.M. 9—56252
Karanjai, S., Barman, S.K. Solution of the equation of transfer for Rayleigh's phase function by the principle of invariance 9—84660
Karanov, E. *see* Franke, R. 9—62176
Karant, Y. *see* Garpman, S.I.A. 9—93651
Karant, Y. *see* Malfliet, R.A. 9—97724
Karant, Y.J. *see* Garpman, S.I.A. 9—75887
Karaoglan, E., Myers, L.T., Lambert, J.M., Treado, P.A., Slaus, I., Haftel, M.I., Roos, P.G., Nadason, A., Carey, T.A., Chant, N.S. Three trion breakup of $^6Li + ^3He$ at 132 MeV 9—76011
Karaoglan, E. *see* Myers, L.T. 9—75999
Karapetyan, F.S., Adamyan, V.E., Davtyan, A.A. Magnetic susceptibility of rare-Earth elements oxyfluorides between 2-1000K 9—82750
Karapetyan, G.G. *see* Voskresenskii, G.V. 9—76561
Karapetyan, G.O. *see* Skrypnik, E.A. 9—91415
Karapetyan, S.S. *see* Dukhovskoi, E.A. 9—87140
Karapet'yants, M.Kh. *see* Danilenko, G.N. 9—77767
Karapet'yants, M.Kh. *see* Sokolov, Yu.N. 9—83182
Karas, R.H., Davis, S.P. Pressure-volume relations of a real gas 9—62970
Karas, W., Korecki, J., Krop, K. Off-diagonal elements of the hyperfine interaction and the shape of the relaxation Mossbauer spectra for superparamagnetic FCC particles 9—78573
Karasalo, I. Stability of axisymmetric annular fluid interfaces at zero contact angle 9—94697
Karasek, F.W. Flexibility in HPLC analysis 9—57321
Karasek, F.W. Environmental analyses by GC/MS/computer 9—57554
Karasek, F.W. Cascade particle analyzer 9—71583
Karasek, F.W. A mobile laboratory for environmental monitoring 9—83670
Karasek, F.W., Kim, S.H., Rokushika, S. Plasma chromatography of alkyl amines 9—74436
Karasek, F.W. *see* Kim, S.H. 9—74435
Karasek, K.R., Bevk, J. High temperature strength of in situ formed Cu-Nb multifilamentary composites 9—61602
Karasev, B.G. *see* Andreev, A.M. 9—77276
Karasev, B.G. *see* Anisimov, A.M. 9—77277
Karasev, M.E. *see* Arzuov, M.I. 9—52052
Karasev, S.P. *see* Batygin, Yu.V. 9—63856
Karasev, V.N. *see* Afanas'ev, V.A. 9—97832
Karasev, V.P., Shelepin, L.A. Construction of the Wigner-Racah algebra of the group SU_3 9—58903
Karasev, V.P., Shelepin, L.A. Generating invariants of SU_n groups in the theory of representation of the symmetrical group S_N 9—75700
Karaseva, V.I. *see* Vlasova, N.I. 9—50361
Karashima, K., Nakahashi, K. The effect of chemical reactions of the injected gas on the aerodynamic heating to the blunt bodies 9—94739
Karashima, S., Suzuki, R. Canonical conjugate momenta for ripplon in superfluid ^4He 9—55951
Karasik, V.M. Interpolation algorithm for effective and interval determination of velocities 9—88494
Karasik, Ya. *see* Alferov, Zh.I. 9—64346
Karasudani, T., Nagano, K., Okamoto, H., Mori, H. A new continued-fraction representation of the time-correlation functions of transport fluxes 9—63174
Karasulu, M. *see* Quabilit, E.R. 9—63719
Karasz, F.E. *see* Couchman, P.R. 9—69232
Karataeva, T.P., Kovalevskii, V.I., Makarevich, E.B., Sviridov, V.V. Photochemical properties of films of mixed chalcogenide-iodides of silver and mercury 9—52032
Karatzas, N.T. *see* Anastassiades, A.J. 9—92462
Karaulov, A.K. *see* Kostetskii, B.I. 9—52484
Karavacas, J.I. *see* Pocius, Z.V. 9—63320, 9—63321
Karavaev, S.M. *see* Britov, A.D. 9—75628
Karavaev, S.M. *see* Starik, P.M. 9—73154
Karavaev, Yu.A. *see* Smirnov, N.I. 9—98538
Karavosov, R.K. *see* Vlasov, Ye.V. 9—98681
Karawacki, E. *see* Gustafsson, S. 9—50572
Karazhanova, G.I. *see* Belyaev, B.N. 9—75894
Karaziya, R.I. *see* Udris, A.I. 9—63909
Karban, O. Polarization effects in elastic scattering of ^3He 9—97712
Karchava, T.A., Kekuti, Sh.E., Sanikidze, D.G. Acoustic modes in a superleak waveguide filled with superfluid ^3He-^4He solution 9—90842
Karchevskii, A.I., Potanin, E.P. Separation of a gas mixture in a travelling magnetic field 9—64927
Karchevskii, A.I. *see* Averin, V.G. 9—89896
Kardanov, Yu.Kh. Shock wave in front of blunted solid of revolution in a gradient flow 9—64697
Kardashev, N.S., Kuz'min, A.D., Nikolaev, N.Ya., Novikov, A.Yu., Popov, M.V., Smirnova, T.V., Soglasnov, V.A., Shabanova, T.V., Shinskii, M.D., Shitov, Yu.P. Pulsar observations with a time resolution of 10 μsec at 102.5 MHz 9—62862
Kardonov, B.A. *see* Feklistov, S.I. 9—83193
Kardonskii, V.M., Roshchina, T.V. Slow $\alpha \rightarrow \gamma$ conversion of iron alloys containing 0-18% nickel 9—78966
Kardonskii, V.M., Roshchina, T.V. Formation of the structure of austenite in relation to the type of $\alpha \rightarrow \gamma$ transformation 9—100142
Kardontchik, J.E., Cohen, E. Electron-hole liquid in GaP:N 9—73442
Kardos, J.L. *see* Mehta, B.S. 9—55934
Karduck, P., Gottstein, G., Mecking, H. Development of dislocation structure and orientation gradients in kink bands 9—90667
Karecki, D.R., Clayman, B.P. Far-infrared reflection spectra of 1T-TaS_2 and 1T-$TaSe_2$ in commensurate and incommensurate charge-density-wave states 9—95755
Karel, V. *see* Zrnik, J. 9—70073
Karelin, B.V. *see* Ammer, S.S. 9—60666
Karelin, N.M. *see* Spivak, G.V. 9—54156
Karelov, N.V., Rebrov, A.K., Sharafutdinov, R.G. Population of the rotational levels of nitrogen molecules during nonequilibrium condensation in the freely expanding phase 9—86481
Karetnikov, D.V. *see* Kaibyshev, V.Z. 9—64925
Karetnikov, I.A. *see* Shalimova, K.V. 9—65933
Karev, E.A. *see* Guryanov, V.M. 9—84534
Karev, Yu.I. *see* Grasyuk, A.Z. 9—72596
Kareva, V.A. *see* Dorofeev, V.G. 9—50360
Karfidov, D.M. Gas ionization in a strong microwave field 9—98854
Karfidov, D.M. Propagation of an ultra-high-frequency discharge in a waveguide at a decreased gas pressure 9—99008
Karg, R. *see* Ermert, H. 9—81644
Karger, B.L., Snyder, L.R., Eon, C. Expanded solubility parameter treatment for classification and use of chromatographic solvents and adsorbents 9—74449
Karger-Kocsis, J., Kallo, A., Szafner, A., Bodor, G., Senyei, Zs. Morphological study on the effect of elastomeric impact modifiers in polypropylene systems 9—66154
Kargopol'tsev, V.S. *see* Velichanskii, V.L. 9—68396
Karhi, K.P. *see* Anderson, K.J. 9—67612
Karhi, K.P. *see* Hogan, G.E. 9—63552
Karhi, K.P. *see* Newman, C.B. 9—63553
Karick, G.Van *see* Van Karick, G.
Karickhoff, S.W., Brown, D.S., Scott, T.A. Sorption of hydrophobic pollutants on natural sediments 9—83651
Karikh, E.D., Shilov, A.F. Effect of reabsorption on the luminescence parameters of semiconductors 9—95826
Karikh, N.M., Zaslonova, N.M. Measurement of low losses of dielectric materials in the decimeter waveband by the transformation method 9—93165
Karim, D.P. *see* Crabtree, G.W. 9—73425
Karimie, M.T. Transportation of masses in close twin stars 9—58383

Karimov, F.R. *see* Azimov, S.A. 9—51314

Karimov, S.K. Properties of alloys near the composition Tl_2Te_3 in the solid and liquid states 9—95431

Karimov, S.K. Properties of silver- and tin-doped alloys Tl_2Te_3 in the solid and liquid states 9—95432

Karimov, Z. *see* Tishchenko, G.N. 9—60348

Karin, M.G. *see* Abramov, V.N. 9—95329

Karin, M.G. *see* Zhuze, V.P. 9—69859

Karino, I., Imamura, T., Enomoto, J. The development of a method for analyzing cured epoxy resin 9—87914

Karino, T., Ohya, K. Effects of gluon exchange diagrams on parity violating weak interactions 9—97565

Karins, J.P. *see* Cheng, L.J. 9—83052

Karitskaya, E.A. *see* Bochkarev, N.G. 9—92806

Kariya, K., Fujimoto, M., Makino, A. Meteorological measurements using a pulse height analyzer—construction of an automatic distribution measurement system for wind speed and wind direction 9—96839

Kariya, K., Isoda, Y. Effective application of single channel pulse height analyzer to construction of measurement and control system 9—93891

Kariya, K. *see* Jumonji, H. 9—54103

Kariya, T. *see* Arita, S. 9—83740

Kariya, T. *see* Morishima, N. 9—60604

Kariya, T. *see* Yokota, K. 9—95287

Karjalainen, L.P. Hardness-flow stress relations of fatigued and tensile strained materials 9—74245

Karkhanavala, M.D. *see* Kamat, P.V. 9—92084

Karkhanavala, M.D. *see* Moorthy, P.N. 9—62015

Karkin, A.E., Arkhipov, V.E., Marchenko, V.A., Goshchitskii, B.N. Electrical resistivity of V_3Si and Nb_3Sn under neutron radiation 9—91024

Karkkainen, T. *see* Anttila, R. 9—64000

Karkowski, J. *see* Englert, B.-G. 9—63365

Karl, G. Future experiments with neutrons on parity-violating reactions 9—67482

Karl, G. *see* Copley, L.A. 9—97601

Karl, G. *see* Isgur, N. 9—67511

Karl, P. *see* Gradov, O.M. 9—68921

Karl, V.-H. An equation of state for polymers 9—82309

Karlan, M.S. *see* Habal, M.B. 9—92917

Karle, J. Structure determination of crystalline substances by diffraction methods: philosophic concepts and their implementation (a review) 9—94932

Karle, J. *see* Lowrey, A.H. 9—59572

Karlicek, R.F., Jr., Lowe, I.J. A pulsed, broadband NMR spectrometer 9—49265

Karlicek, R.F., Jr., Lowe, I.J. Hydrogen diffusion in β-$LaNi_5$ hydride 9—82378

Karlicky, M. Collision of two shock waves as a hypothetical mechanism of producing drifting radio bursts in the 400-500 MHz range 9—53790

Karlin, A. *see* Ambrosino, G. 9—96768

Karliner, M.M. *see* Averbukh, I.I. 9—68063

Karliner, M.M. *see* Budker, G.I. 9—72176

Karloukovski, V.I. *see* Enikova, M.M. 9—54253, 9—75677

Karlov, N.V., Meshkovskii, I.K., Petrov, R.P., Petrov, Yu.N., Prokhorov, A.M. Molecular sieve permeability control by laser 9—91999

Karlov, N.V., Petrov, Yu.N., Prokhorov, A.M., Fedorov, I.V. Effect of a laser on gaseous diffusion 9—77331

Karlov, N.V. *see* Askar'yan, G.A. 9—64886

Karlov, N.V. *see* Averin, V.G. 9—89896

Karlov, N.V. *see* Zaroslov, D.Yu. 9—76676

Karlova, E.K. *see* Askar'yan, G.A. 9—64886

Karlsruhe *see* Buhler, K. 9—55368

Karlsson, B. Inverse method for off-shell continuation of the scattering amplitude in quantum mechanics 9—49423

Karlsson, E. *see* Borghini, M. 9—91331

Karlsson, E. *see* Hartmann, O. 9—56659, 9—56696

Karlsson, E. *see* Niinikoski, T.O. 9—56684

Karlsson, F. *see* Froman, N. 9—97240

Karlsson, G. *see* Lindstrom, O. 9—52930

Karlsson, S. *see* Hogstrom, U. 9—53419

Karlsson, S.E. *see* Andersson, K.A.B. 9—87020

Karlsson, S.-E. *see* Ivanovskii, A.L. 9—59513

Karlstrom, G. *see* Burton, D.R. 9—89692

Karmadonov, I.P. *see* Gavril'ev, A.I. 9—80136

Karmakar, B.M. Amplitude-frequency characteristics of non-linear vibrations of clamped elliptic plates carrying a concentrated mass 9—64561

Karmakar, B.M. Amplitude-frequency characteristics of large-amplitude vibrations of sandwich plates 9—64580

Karmakar, S.B. Solution of nonlinear differential equations by using Volterra series 9—58527

Karmanov, V.A. How to detect experimentally a dependence of the deuteron relativistic wave function on an additional variable 9—58973

Karmanov, V.A. Wave function with a spin at the light front 9—85478

Karmanov, V.A. *see* Aref'ev, A.V. 9—97637

Karmanova, N.G. *see* Pogrebnyak, Yu.V. 9—87900

Karmazin, L. *see* Svoboda, M. 9—77757

Karmen, A. *see* Lehrer, M. 9—57317

Karmendy, C., Halverson, W., Lax, B. Brillouin scattering from CO_2 laser plasmas in strong transverse magnetic fields 9—60162

Karmohapatro, S.I. Current trends in atomic collision experiments 9—81256

Karmov, K.A. *see* Gavrilov, N.M. 9—62637

Karmov, Kh.N. Results of experimental investigations of the radio characteristics of hail clouds 9—96802

Karn, P.W., Starks, D.R., Zimmermann, W., Jr. Observation of quantum steps in the superfluid circulation around a fine wire in liquid ^{4}He II in rotation 9—55967

Karnachev, A.S. *see* Bar'yakhtar, V.G. 9—69744

Karnakov, V.A. *see* Budnev, V.M. 9—58954, 9—93420

Karnaukhov, V.M. *see* Balea, E. 9—63520

Karnaukhov, I.M. *see* Bratashevskii, A.S. 9—85305

Karnaukhov, I.M. *see* Get'man, V.A. 9—63487, 9—89170

Karnaukhov, I.M. *see* Gorbenko, V.G. 9—80830

Karnaukhov, V.G., Kozlov, V.I., Kucher, N.K. Dynamic behavior of a hollow viscoelastic cylinder in plane nonaxisymmetric deformation 9—98635

Karnaukhov, V.G. *see* Gumenyuk, B.P. 9—50624

Karnaukhov, V.G. *see* Senchenkov, I.K. 9—49040

Karnaushenko, N.N., Kukushkin, A.S., Lobachev, V.N., Nuzhdin, S.F. Direct investigations of surface and subsurface currents in the tropical Atlantic using a submerged current meter EhMIT 9—100978

Karnaushenko, N.N. *see* Belousova, E.I. 9—100862

Karney, C.F.F., Perkins, F.W., Sun, Y.-C. Alfven resonance effects on magnetosonic modes in large Tokamaks 9—73006

Karney, C.F.F., Sen, A., Chu, F.Y.F. Nonlinear evolution of lower hybrid waves 9—64857

Karney, C.F.F., Sen, A., Chu, F.Y.F. The complex modified Korteweg-de Vries equation, a non-integrable evolution equation 9—75371

Karney, C.F.F. *see* Leclert, G.P. 9—90403

Karnezos, M., Friedberg, S.A. Ferromagnetism in $NiSnF_6.6H_2O$ and $NiSiF_6.6H_2O$ 9—61080

Karnezos, M., Lecomte, G., Friedberg, S.A. Weak ferromagnetism in Co $(CH_3COO)_2.4H_2O$ below 85 mK 9—73695

Karnik, V. Large European earthquakes of the 20th century 9—84165

Karnik, V. *see* Prochazkova, D. 9—84173

Karnik, V. *see* Radu, C. 9—84168

Karnovskii, A.M. Mode representation of the noise field in a wedge 9—86299

Karnthaler, H.P. *see* Holmes, S.M. 9—82235

Karo, A.M., Hardy, J.R., Walker, F.E. Theoretical studies of shock-initiated detonations 9—64554

Karo, D.P., Schneiderman, A.M. Laboratory simulation of stellar speckle interferometry 9—53730

Karo, D.P. *see* Schneiderman, A.M. 9—76607

Karoid, E.I., Kovrov, V.N. Transcriptor F595 control unit for measurement and recording of strain parameters 9—88945

Karolczak, J. *see* Szymanski, M. 9—72572

Karolik, V.A. *see* Zhuk, I.P. 9—51737

Karolyhazy, F. The enigmatic gravitational 'field' 9—88780

Karous, M.R. Effect of relief in EM methods with very distant source 9—79735

Karowski, M. On the bound state problem in 1+1 dimensional field theories 9—71609

Karowski, M. *see* Berg, B. 9—71629

Karp, A.H. *see* Smith, M.A. 9—58326

Karp, A.W. *see* Wainger, M. 9—98204

Karp, P.J. *see* Aittoniemi, K. 9—63285

Karpacheva, S.M. *see* Zakharov, E.I. 9—97882

Karpas, Z., Anicich, V., Huntress, W.T., Jr. An ion cyclotron resonance study of reactions of ions with hydrogen atoms 9—64098

Karpeev, D.V. *see* Gavrilin, V.I. 9—69336

Karpel'ev, V.A. *see* Zemskii, S.V. 9—51298

Karpel'son, A.E. *see* Kondrat'ev, Yu.A. 9—90105

Karpel'son, A.E. *see* Popov, Yu.A. 9—79207

Karpenko, I.V. *see* Koltun, M.M. 9—83593

Karpenko, N.N. *see* Birulev, V.K. 9—67547

Karpenko, N.N. *see* Zhurkin, V.V. 9—89313

Karpenko, S.G., Marchevskii, F.N., Strizhevskii, V.L. Forced Raman radiation with excitation of polaritons internal to the laser resonator 9—94286

Karpenko, V.N. Mirror fusion test facility design and construction 9—49850

Karpfen, A. Ab initio studies on polymers: all-trans polymethineimine 9—77530

Karpfen, A. Ab initio studies on polymers. I. The linear infinite polyyne 9—95306

Karpfen, A. *see* Lukovits, I. 9—59342

Karpinos, B.S. *see* Tret'yachenko, G.N. 9—63207, 9—98595

Karpinos, D.M., Listovnichaya, S.P., Balakhnina, V.N., Okunevskii, Yu.N., Rozanov, K.V. Spectroscopic investigation of the reaction of oxides with metallic surfaces. IV. System yttria-chromium 9—100297

Karpinos, D.M., Maksimovich, G.G., Lyutyi, E.M., Filipovskii, A.V., Kadyrov, V.Kh. Role of brittle layers in the behavior of fiber composite materials at elevated temperatures 9—96135

Karpinos, D.M. *see* Frantsevich, I.N. 9—70019

Karpinos, D.M. *see* Kazakyavichyus, K.A. 9—83237

Karpinos, D.M. *see* Ostapenko, V.N. 9—100089

Karpinskas, S.Ch., Burbulyavichyus, L.I., Bikbaev, V.B., Styapankyavichyus, V.V., Saidkhanov, A.S. Investigation of a Schottky barrier on cadmium selenide 9—51673

Karpinskaya, N.S. *see* Kaganov, M.I. 9—87260

Karpinskii, B.A. *see* Sredin, V.G. 9—74012

Karpinskii, D.N., Vladimirov, V.I., Orlov, A.N. Influence of thermal instabilities on the growth of a crack in a plastic material 9—69190

Karpinskii, O.G., Shelimova, L.E., Abrikosov, N.Kh., Korzhuev, M.A. Phase transitions in quenched germanium telluride 9—51250

Karpinskii, O.G. *see* Abrikosov, N.Kh. 9—52177

Karplus, M. *see* Lasaga, A.C. 9—97993

Karplus, M. *see* Levy, R.M. 9—86671

Karplus, R. American Association of Physics Teachers 1978 Oersted Medalist: Charles Kittel 9—97124

Karplus, R. American Association of Physics Teachers 1978 Oersted Medalist: Paul E. Klopsteg 9—97126

Karpman, G. Time without clocks—an attempt 9—71272

Karpman, N.M. *see* Fursenko, V.D. 9—67452

Karpman, V.I. Interaction of perturbed solitons and the structure of oscillatory shocks 9—64868

Karpman, V.I. Soliton system under perturbation. Oscillatory shock waves 9—92959

Karpman, V.I., Lundin, B.V. Nonlinear evolution of a quasi-monochromatic whistler wave packet propagating at an angle to the magnetic field in a collisionless plasma 9—98886

Karpman, V.I., Lynov, J.P., Michelsen, P., Pecseli, H.L., Juul Rasmussen, J., Turikov, V.A. Modification of plasma solitons by resonant particles 9—77395

Karpman, V.I., Maslov, E.M. The evolution of solitons of the modified Korteweg-de Vries equation under the action of perturbations 9—84970

Karpov, A.B. *see* Alekhin, L.A. 9—97898

Karpov, A.M., Nemeny, T.M. Numerical method for calculating magnetic fields by excluding the internal points of a domain 9—72454

Karpov, A.V. *see* Kazachkovskii, O.D. 9—97803

Karpov, I.I., Bagdasarov, Kh.S., Grechushnikov, B.N., Antonov, E.V., Garashina, L.S. Conditions of growth of yttrium-aluminum garnet crystals with added titanium 9—95924

Karpov, I.I., Grechushnikov, B.N., Bagdarsarov, Kh.S. Use of polarized luminescence to investigate luminescence in yttrium-aluminum garnet crystals with added titanium 9—95843

Karpov, I.I., Grechushnikov, B.N., Bagdasarov, Kh.S. Color centers in titanium-activated yttrium-aluminum garnet crystals 9—65080

Karpov, I.I., Grechushnikov, B.N., Koryagin, V.F., Kevorkov, A.M., Pham Gia Ngi Investigation of V^{4+}-ion impurity in crystals of yttrium-aluminium garnet 9—78719

Karpov, M.I. *see* Gnesin, B.A. 9—70076

Karpov, N.I. *see* Golovin, A.E. 9—97925

Karpov, O.G. *see* Pushcharovskii, D.Yu. 9—77582

Karpov, P.P. *see* Uvarov, A.I. 9—79103

Karpov, S.V. *see* Abolin'sh, Ya.Ya. 9—99887

Karpov, S.Yu. Diffraction of electromagnetic waves by periodic interfaces of arbitrary shape 9—64174

Karpov, S.Yu., Kuchinskii, V.I., Portnoi, E.L. Semiconductor laser with composite waveguide 9—72592

Karpov, V.G. Bound states of carriers in the field of local deformation of a crystal in the δ-potential approximation 9—69470

Karpov, V.G., Klinger, M.I. Mechanism of radiation defect formation associated with electron transitions in doped semiconductors 9—69155

Karpov, V.G., Kolesnikov, N.V. Recombination and photoionization of carriers via a resonance state of E centers in n-type Si 9—60847

Karpov, V.G., Kolesnikov, N.V., Rozanov, Yu.N. Photoionization of doubly charged divacancies in silicon 9—51526

Karpov, V.L. *see* Tikhomirova, N.S. 9—51315

Karpov, V.M., Lazarev, S.F. Calculating the added resistance in an eddy-current transducer of complex geometry 9—97375

Karpov, V.P. *see* Dvornikov, V.M. 9—80139

Karpov, Yu.A. *see* Antonenko, R.S. 9—51613

Karpov, Yu.A. *see* Bagraev, N.T. 9—73857, 9—78568, 9—90996

Karpova, N.D. *see* Adamova, L.V. 9—65204

Karpovich, I.A., Bednyi, B.I., Tikhov, S.V., Kalinin, A.N. The effect of indium doping of the interface in a two-layer dielectric on the properties of an MOS structure 9—56324

Karpovich, I.A. *see* Danilov, V.I. 9—56927

Karpovich, V.K. *see* Simun, E.A. 9—72638

Karppinen, J., Versluis, R.M., Blomsnes, B. Core control optimization for scheduled load changes in large pressurized water reactors 9—71911

Karpus, A.S. *see* Audzionis, A.I. 9—56817

Karpus, V. *see* Ambrazyavichyus, G. 9—69804

Karpushin, A.A. *see* Volokitin, A.I. 9−90885, 9−99511
Karpushin, A.G., Kosov, N.D., Seitov, Kh.S. Correlation between the results from exact kinetic theory of thermal conductivity of gas mixtures and experimental results at cryogenic temperatures 9−81707
Karpushko, F.V., Sinitsyn, G.V. A logical element for integral optics on a semiconductor nonlinear interferometer 9−49279
Karpushko, F.V., Sinitsyn, G.V. Characteristics of intracavity spectroscopy utilizing sweep dye lasers 9−89015
Karpushko, F.V. *see* Kazberuk, A.V. 9−89945
Karpuzov, D.S. Angular and energy relationships in alkali-metal ion scattering by copper single crystal 9−78802
Karpuzov, D.S., Armour, D.G., Evdoimov, I.N. Simulation of ion reflection from a single crystal at grazing angles 9−87549
Karr, G.R. *see* Urban, E.W. 9−54141
Karr, M.A., Chen, F.S., Shumate, P.W. Output power stability of GaAlAs laser transmitters using an optical tap for feedback control 9−64241
Karra, J.S., Kemmerer, G.E. Electron spin resonance in the nearly one-dimensional magnetic system $CuCl_2.2H_2O$ 9−99759
Karran, S.J., Eagles, C.J., Fleming, J.S., Ackery, D.M. In vivo measurement of liver perfusion in the normal and partially hepatectomized rat using Tc-99m sulfur colloid 9−79636
Karshon, U. *see* Brandelik, R. 9−63491, 9−93441
Karshon, U. *see* Eisenberg, Y. 9−54367, 9−75804
Karskii, N.E. High-temperature crack resistance in metals 9−52348
Karskii, N.E. Influence of strength on creep for given strain 9−55815
Karstaedt, N., Sagel, S.S., Stanley, R.J., Melson, G.L., Levitt, R.G. Computed tomography of the adrenal gland 9−92364
Karsten, L.H., Smit, J. The vacuum polarization with SLAC lattice fermions 9−85249
Karsulin, Yu.L. *see* Barinov, S.M. 9−57170
Kartalev, M.D. On the determination of the normal to the magneto-hydrodynamic discontinuity by use of magnetic measurement data 9−75091
Kartalev, M.D., Georgiev, L., Hristov, H. Single-point method of identification of magneto-hydrodynamic discontinuities 9−75092
Kartalopoulos, S.V. *see* Raftopoulos, D.D. 9−97418
Kartalov, G.A., Kanukova, N.N. The PS-2 stomatologic polymerizer 9−57812
Kartasheva, L.I., Kraulinya, E.K. Transfer of excitation energy in the sensitized fluorescence of Cd-Cs 9−98210
Kartasheva, V.G. *see* Bugorskii, A.P. 9−68119
Kartasheva, V.I. *see* Dmitrievskii, O.D. 9−55198
Kartashov, E.M., Tulinov, B.M., Bartenev, G.M. Theory of brittle destruction of glasses under nonisothermal conditions 9−64593
Kartashov, E.M., Tulinov, B.M., Nechaev, V.M., Bartenev, G.M. Influence of inertial effects on nature of distribution of thermoelastic stresses in half space with moving boundary 9−55327
Kartashova, N.F. *see* Vasin, G.P. 9−87721
Kartavenko, V.E., Likhachev, V.A., Masterova, M.V. Investigation of imperfect elasticity of titanium nickelide 9−100198
Kartavenko, V.G. *see* Kalpakchieva, R. 9−93673
Kartazaev, V.A., Tolmachev, Yu.A. Penning ionization and nonresonant charge exchange in the afterglow of a discharge in a He-Cd mixture 9−72414
Kartchner, M.M. *see* McRae, L.P. 9−83985
Kartenko, N.F. *see* Pevtsov, A.B. 9−65929
Karthe, W., Wehrsdorfer, E. The measurement of inhomogeneous distributions of paramagnetic centers by means of EPR 9−93184
Karthe, W. *see* Friedrich, M. 9−99760
Kartheuser, E., Devreese, J., Evrard, R. Polaron mobility at low temperature: a self-consistent equation-of-motion approach 9−56142
Kartmazov, G.N. *see* Belyak, L.F. 9−57154
Kartoshkin, V.A. *see* Klementiev, G.V. 9−94077
Kartoshkin, V.A. *see* Zhitnikov, R.A. 9−89743
Kartsivadze, A.I. *see* Kachurin, L.G. 9−88405
Karttunen, S.J., Salomaa, R.R.E. Efficient saturation of stimulated Brillouin scattering due to nonlinear ion wave decay 9−86585
Kartuzhanskii, A.L., Larionov, Yu.P. The non-equivalence of artificial and natural ageing in silverless photography 9−58829
Kartuzhanskii, A.L., Tsendrovskii, V.A. Influence of silver salts on the properties of semiconductor-gelatin interfaces in metal-insulator-semiconductor structures 9−51684
Kartuzhanskii, A.L. *see* Akopova, A.B. 9−97462
Kartuzhanskii, A.L. *see* Kalyuzhnyi, V.M. 9−67408
Kartvelishvili, V.G., Likhoded, A.K., Slabospitskii, S.R. Inclusive production of D mesons in e^+e^--annihilation 9−85312
Kartzow, M., Le Hiep, T., Kersten, R.T. Losses of optical multimode strip-waveguides made by thick film technology 9−59846
Karube, Y. *see* Kono, A. 9−79653
Karunanithi, S. *see* Ramaswamy, K. 9−76401
Karvinen, A.O.T. *see* Bondorf, J.P. 9−71863
Karwoski, C.J. *see* Criswell, M.H. 9−62254
Karwowski, H.J., Vigdor, S.E., Jacobs, W.W., Kailas, S., Singh, P.P., Soga, F., Ploughe, W.D. Multiplicity of K X-rays emitted in (^{6}Li,xn) reactions 9−76019
Karyakin, A.V. *see* Vul'fson, E.K. 9−52858
Karyazin, I.A. *see* Reznichenko, V.A. 9−69173
Karyuk, G.G. *see* Fedoseev, D.V. 9−94479
Karzov, G.P. *see* Kochetov, V.T. 9−91799
Kasaev, K.S. *see* Boitsova, T.M. 9−52590
Kasagi, M. *see* Kurotu, T. 9−91303
Kasahara, F. *see* Kumada, T. 9−54493
Kasahara, J. Crustal deformation associated with a fault formation estimated by the finite element method 9−70759
Kasahara, J., Arai, M., Watanabe, N. Capless anneal of ion-implanted GaAs in controlled arsenic vapor 9−55767
Kasahara, J., Nagumo, S., Koresawa, S. Seismic activity in Sagami Bay and off the Boso Peninsula observed by ocean bottom seismographs in 1971 9−79749
Kasahara, K. High energy interactions and cosmic ray components in the atmosphere 9−62707
Kasahara, K. Migration of crustal deformation 9−79800
Kasahara, K. *see* Akashi, M. 9−63562
Kasahara, K. *see* Ohta, I. 9−49905
Kasahara, M. *see* Sakai, A. 9−91312
Kasahara, M. *see* Takoshima, T. 9−78536
Kasai, H., Miyazima, S., Okiji, A. An influence of intra-atomic Coulomb interaction on band type of Jahn-Teller effect in V_3Si 9−78057
Kasai, H. *see* Yoshikawa, A. 9−82667
Kasai, K., Hamaguchi, C. Precision measurements of weak oscillatory magnetoresistance by magnetic field modulation technique 9−51614
Kasai, K. *see* Kuriyama, I. 9−99239
Kasai, K. *see* Senda, K. 9−82600, 9−91080
Kasai, M. *see* Hiraoka, T. 9−71963
Kasai, S. *see* Gomay, Y. 9−85768
Kasai, S. *see* Ohasa, K. 9−64906
Kasai, T., Noda, J., Suzuki, J. Lapping characteristics of $LiTaO_3$ single crystals: study on precision machining of opto-electronic crystals. I 9−80593
Kasatkin, A.A. *see* Ershov, G.S. 9−69270
Kasatkin, A.L. *see* Pan, V.M. 9−65525, 9−69491
Kasatkin, B.A. Some characteristics of controllable piezotransducers 9−94446
Kasatkin, B.A. Calculation of the frequency of the fundamental vibrational mode of circular plates and cylinders of arbitrary dimensions 9−98658
Kasatkin, B.A., Pavin, N.Ya. Pulse frequency-response curves for a contact piezoelectric transducer 9−68538
Kasatkin, V.A., Kesamanly, F.P., Samorukov, B.E. Luminescence of dysprosium-doped gallium phosphide 9−52015
Kasatkin, Yu.I. *see* Kozyrev, A.S. 9−66069
Kasatkina, M.P. *see* Burtsev, V.A. 9−55597, 9−64950
Kasatskaya, L.S., Solodovnichenko, I.M. Control of an electrophysical action on a fluid 9−95628
Kasatskaya, L.S., Solodovnichenko, I.M. On the role of electroinduction effects of molecules in the mechanism of generation of charge carriers in an organic fluid 9−96321
Kaschuba, K. *see* Ecker, G. 9−73055
Kase, K.R., Nelson, W.R. Concepts of radiation dosimetry 9−81101
Kase, M., Kikuchi, J., Doke, T. Fano factor in gas mixture of Ar+10% CH_4 9−76284
Kase, R.H., Clarke, R.A. High frequency internal waves in the upper thermocline during GATE 9−57939
Kaselau, K.H. *see* Rosen, J.M. 9−79956
Kasell, J. *see* Smith, W.M. 9−70672
Kasem, T.S.E. *see* El-Tantawy, Y.A. 9−70214
Kasemset, D., Fonstad, C.G. Measurement of interface recombination velocity in (Pb,Sn)Te/PbTe double-heterostructure laser diodes 9−64222
Kasemset, D., Fonstad, C.G. Reduction of interface recombination velocity with decreasing lattice-parameter mismatch in PbSnTe heterojunctions 9−98370
Kasemura, T., Suzuki, K., Uzi, F., Kondo, T., Hata, T. Composition dependence of surface tension of ethylene oxide-propylene oxide copolyers 9−69323
Kasemura, T., Uzi, F., Kondo, T., Hata, T. Studies on surface tension of polymers in relation to their structures. VI. Surface tension of poly(vinyl alkylate)s 9−95247
Kasenov, B.K. *see* Isabaev, S.M. 9−83181
Kasha, H. *see* Schmidt, M.P. 9−89146
Kashaev, A.A., Sapozhnikov, A.N. Crystal structure of armstrongite 9−60345
Kashahara, A. Further studies on a spectral model of the global barotropic primitive equations with Hough harmonic expansions 9−79925
Kashat, I. *see* Davidoff, S. 9−78180
Kashchayeva, N.A. *see* Zinnatullin, N.Kh. 9−77097
Kashcheev, V.N. Relaxation of longitudinal phonons in order-disorder ferroelectrics 9−55860
Kashcheev, V.N. On the phonon damping and frequency shift in order-disorder ferroelectrics 9−60471
Kashcheev, V.N. Thermal conductivity of low-dimensional displacive-type ferroelectrics 9−61314
Kashcheev, V.N. On some mechanism of phonon relaxation in magnetic ferroelectrics 9−90742
Kashcheev, V.N., Maksak, V.I., Khokhlov, V.A. The Hertz problem for contacting bodies under conditions of adhesional interaction 9−81820
Kashcheev, V.N. *see* Zolotojabko, E.V. 9−56635
Kashchei, V.A. Normal phase of electron gas propagation in long superconductors of small cross-section 9−78274
Kashchiev, D. Mean thickness at which vapour-deposited thin films reach continuity 9−51459
Kashchiev, D. *see* Van Der Eerden, J.P. 9−60630
Kasher, I., Marom, E. Experimental verification of the optimal distribution of exposures in speckle coded image subtraction configurations 9−55071
Kashevskii, B.E. Models of magnetic relaxation in ferrohydrodynamics 9−94706
Kashevskii, B.E. *see* Bashtovoi, V.G. 9−86435
Kashihara, Y., Nishida, A., Yoshioka, H. Upper and lower critical fields of TaS_2(pyridene)$_{1/2}$ 9−56456
Kashihara, Y., Nishida, A., Yoshioka, H., Ohshima, K., Harada, J. Orientation of pyridine in $TaS_2(Py)_{1/2}$ 9−55679
Kashima, N., Uchida, N. Relation between splice loss and mode conversion in a graded-index optical fibre 9−64321
Kashima, N. *see* Hirai, M. 9−59854
Kashima, N. *see* Seikai, S. 9−55233, 9−59820
Kashima, T., Eto, K. Change of melting temperature for copolyester by heat-treatment 9−70096
Kashintsev, G.L. *see* Rudnik, G.B. 9−100822
Kashintsov, V.I. *see* Artamonov, I.I. 9−89916
Kashirin, V.B. *see* Gasilin, V.V. 9−57173
Kashiwa, T. Trace identity and self-stress in quantum electrodynamics 9−97547
Kashiwagi, H. *see* Endoh, A. 9−98337
Kashiwagi, H. *see* Hisaki, T. 9−72588
Kashiwagi, H. *see* Watanabe, S. 9−59679
Kashiwagi, M. *see* Iwai, A. 9−100981
Kashiwagi, M. *see* Ohtsu, J. 9−101031
Kashiwagi, T., Isshiki, N., Kurosaki, Y. Heat transfer of the critical air flow in a nozzle. I. Numerical study on heat transfer of the critical air flow in a nozzle with parallel walls 9−98778
Kashiwagi, T. *see* Chabay, I. 9−66379
Kashiwagi, T. *see* Ohta, T. 9−55112, 9−68381
Kashiwara, M., Kawai, T., Stapp, H.P. Micro-analyticity of the S-matrix and related functions 9−54272
Kashiwase, Y. Determination of X-ray Debye temperature of fine silver particles by means of solid-state detector and continuous X-rays 9−50944
Kashkarov, K.P. *see* Dorf, V.A. 9−91902
Kashkarov, V.V. Heat transfer in a gas in the presence of acoustic turbulence 9−86425
Kashlan, B.M. *see* Jander, H.P. 9−74740
Kashy, E. *see* Austin, S.M. 9−54441
Kashy, E. *see* Benenson, W. 9−93519
Kashy, E. *see* Miller, P.S. 9−54732
Kashyap, A.K. *see* Kishore, K. 9−91941
Kashyap, J.N.S. On static axially symmetric electrovac universes 9−85034
Kashyap, J.N.S. Coupled electromagnetic and scalar fields in a cylindrically symmetric space-time 9−85035
Kashyap, R., Nelson, B.P. The measurement of bandwidth and backscatter of optical fibres 9−64356
Kasida, Y. *see* Iwata, R. 9−88192
Kasilov, V.I., Lugakov, P.F., Maslov, N.I., Filippov, I.M. Formation of radiation defects in n-type silicon by irradiation with 1.2 GeV electrons 9−51156
Kasim, S.A. *see* Gomaa, M.A. 9−85816
Kasimov, G.A., Kulaev, Yu.V. An applied electromagnetic transducer above the object of inspection with the electrical and magnetic properties of the material changing with depth 9−52603
Kasimov, G.G., Elovskikh, E.M., Vovkotrub, E.G. Magnetic susceptibility of rare earth niobates with the general formula R_3NbO_7 9−87226
Kask, N.E., Radchenko, V.V., Fedorov, G.M., Chopornyak, D.B. Optical discharge in glass 9−61471
Kask, N.E., Radchenko, V.V., Fedorov, G.M., Chopornyak, D.B. Temperature dependence of the absorption coefficient of optical glasses exposed to laser radiation 9−89979
Kask, N.E. *see* Zelikin, N.V. 9−89952
Kaska, W.C. *see* Hardy, G.E. 9−61447
Kaski, K. *see* Kuivalainen, P. 9−90976
Kaslin, V.M. *see* Zaroslov, D.Yu. 9−76676
Kasliwal, S.C. *see* Sethi, P.K. 9−74791
Kaspar, F. *see* Domcke, W. 9−72431
Kasparov, K.N. Photoemission method of measuring temperature 9−93140
Kasparov, K.N., Staroverova, V.N. Controlled photomultiplier for the measurement of optical spectra 9−89009

Kasper, B.L., Chute, F.S., Routledge, D., Vaneldik, J.F. An interferenceexcising correlator for radio astronomy 9—75110
Kasper, E. Molecular beam epitaxy of silicon 9—83141
Kasper, H. On the numerical field calculation in field emission devices 9—97478
Kasper, J. *see* Pollock, C.R. 9—75618
Kasper, J.S., Interrante, L.V. Solid solution and modulation in the molecular solid $(TTF)_2(Ni_4C_4H_4)_3$ 9—94986
Kasper, J.S. *see* Vlasse, M. 9—77551
Kasper, J.V.V., Lowe, R.S., Curl, R.F., Jr. Microwave modulated saturation spectroscopy 9—68245
Kasper, J.V.V. *see* Lowe, R.S. 9—68246
Kasper, K.B., Holloway, J.R., Navrotsky, A. Direct calorimetric measurement of enthalpies of aqueous sodium chloride solutions at high temperatures and pressures 9—57286
Kasper, P., Chapman, G., Deroach, J., Gold, E., Klein, A.G., Martin, L.J., Mason, G.C., Opat, G.I., Parker, K., Tovey, S.N., Wignall, J.W.G. Resonance production in the reaction $\bar{p}d \rightarrow p_s\pi^+\pi^-\pi^-\pi^0$ at 0.4 to 0.9 GeV/c antiproton momenta 9—93447
Kasper, U. Remarks on the idea of spontaneous break-down of symmetry, cosmic variability of Eddington's number, Mach's idea concering the origin of inertia, and field equations describing global and local gravitational fields 9—80375
Kasperczuk, A. *see* Denus, S. 9—85166
Kasperczyk, J., Kozlowski, G., Tekiel, P. Magnetic induction vector in a ferromagnetic superconductor with domain structure 9—65585
Kasperovich, V.S., Moskalev, V.V. Magnetic properties of $CsMnF_3$ crystal above Neel point investigated by NMR 9—99780
Kaspersen, F.M. *see* Schimmel, A. 9—79651
Kasprak, M. *see* Dooley, D.M. 9—79621
Kasprzyk, H. *see* Pawlikowski, A. 9—78410
Kass, I.S. *see* Stretton, A.O.W. 9—92208
Kass, J.N., Bell, W.L., Wang, M.T., Bobick, J. Influence of recrystallization behaviour on the mechanical properties of XM-19 stainless steel (22Cr-13Ni-5Mn-2Mo-03.N) 9—83213
Kass, R.D., Ko, W., Lander, R.L., Michael, W., Pellett, D.E., Yager, P.M., Ely, R., Gidal, G., Hanson, P. Charged- and neutral-particle production from 400-GeV/c pp collisions 9—93472
Kassem, A., Hickman, R.S. Rotational temperature and density distribution measurements in the transition regime 9—98755
Kassen, D. *see* Egelhof, P. 9—67737
Kassing, D. Interface problems of an SPS solar array blanket 9—96466
Kassner, D. *see* Buchanan, V. 9—76198
Kassner, D. *see* McInturff, A.D. 9—68088
Kassner, J.L., Jr. *see* Suck, S.H. 9—98081
Kassoy, D.R. The response of a confined gas to a thermal disturbance. I. Slow transients 9—81976
Kast, J.R. *see* Kan, L.S. 9—86095
Kast, W. *see* Dreher, H. 9—86978
Kast, W. *see* Weissenberger, E. 9—76260
Kastalskii, A.A. *see* Vengalis, B.J. 9—56798
Kastal'skii, A.A. *see* Vengalis, B.Yu. 9—69845
Kasteleyn, P.W., Boel, R.J. Extremal Δ-inequalities for Ising models with pair interactions 9—56485
Kasten, P.R. An overview of the thorium fuel cycle 9—59242
Kastenberg, W.E. *see* Hauss, B.I. 9—59130
Kastenberg, W.E. *see* Ullman, A.Z. 9—89497
Kastenberg, W.E. *see* Varela, D. 9—49673
Kastha, G.S. *see* Ghoshal, S.K. 9—54899
Kasthuri Rengan, S., Bhagat, V.R., Suryanarayana Sastry, V.S., Venkataraman, B. Magnetic field-pulsed ELDOR spectroscopy 9—93188
Kasting, J.F., Liu, S.C., Donahue, T.M. Oxygen levels in the prebiological atmosphere 9—84486
Kastner, B.J. *see* Cochrane, R.W. 9—60783
Kastner, C.J. *see* Guilfoyle, P.S. 9—72518
Kastner, M. *see* Alasti, H. 9—61434
Kastner, M. *see* Gee, C.M. 9—78740
Kastner, M. *see* Orenstein, J. 9—82645
Kastrinakis, E.G., Eckelmann, H., Willmarth, W.W. Influence of the flow velocity on a Kovasznay type vorticity probe 9—72973
Kastrup, H.A. Relativistic strings and electromagnetic flux tubes 9—49494
Kasturirangan, K. *see* Rao, U.R. 9—84638
Kasturirangan, K. *see* Tiwari, M.K. 9—62947
Kasturirangan, S. *see* Ghista, D.N. 9—92268
Kasuga, M., Ishihara, S. Highly conductive layer in epitaxial ZnO films grown by CVD 9—51696
Kasuya, H., Wakita, H. An approach to segmenting speech into vowel- and nonvowel-like intervals 9—86302
Kasuya, K. *see* Kawata, S. 9—97471
Kasuya, M. Einstein-Cartan's theory with anticommuting variables in Dirac's Hamiltonian formalism 9—49125
Kasuya, M. On a quantization of Einstein-Cartan's theory with anticommuting variables in Dirac's Hamiltonian formalism 9—93017
Kasuya, T. *see* Kojima, K. 9—82972
Kasuya, T. *see* Takase, A. 9—91221, 9—91236
Kasvand, T. *see* Abdelmalek, N.N. 9—76600
Kas'yan, M.M., Sirenko, A.F. The mechanism of the influence of impurities on the parameters of the 'block' maximum of internal friction 9—87677
Kasyanov, V.A., Starostin, A.N. Quantum kinetic equation for electrons on optical breakdown of gases 9—60092
Kasymov, M.K. *see* Kravets, A.N. 9—98320
Kasyutin, V.Ya. *see* Pogorelyi, A.N. 9—99790
Katada, M. *see* Herber, R.H. 9—61273
Kataev, A.L. *see* Chetyrkin, K.G. 9—85309
Kataev, G.I., Shubin, V.V. Elasticity modulus, ΔE-effect, and internal friction of some rare-earth alloys of the systems Er-Tb and Gd-Tb at 4.2-330K 9—91723
Kataev, Yu.I. *see* Beresnev, G.A. 9—70149
Katagiri, K. *see* Awatani, J. 9—61719
Katagiri, K. *see* Kaneshiro, H. 9—61781
Katagiri, M., Pop, I. Unsteady combined convection from an isothermal circular cylinder 9—55391
Katagiri, M., Pop, I. Transient free convection from an isothermal horizontal circular cylinder 9—77115
Katahama, H. *see* Nakashima, S. 9—99884
Katahara, K.W., Manghnani, M.H., Fisher, E.S. Pressure derivatives of the elastic moduli of BCC Ti-V-Cr, Nb-Mo and Ta-W alloys 9—61639
Katahara, S. *see* Hoh, S. 9—50918
Katajanheimo, R., Siivola, A., Tuurnala, T., Hammaren, E., Liukkonen, E. The isomeric $^{9+}/_2$ and the lowest $^{7-}/_2$ state in a weakly deformed N=89 nuclei 9—89231
Katakuse, I. *see* Matsuo, T. 9—79323
Katano, F. *see* Gamo, K. 9—73192
Katano, R., Shimizu, S. Production of centrifugal fields greater than 100 million times gravity 9—75524
Katano, S., Mori, N. Resistivity minimum in antiferromagnetic Cr-Fe alloys 9—60812
Katanuma, I., Kamimura, T. Collisionless tearing instabilities 9—86607
Kataoka, H. *see* Suzuki, N. 9—99603
Kataoka, H. *see* Taoka, T. 9—70259, 9—100320
Kataoka, I. *see* Mori, S. 9—76151
Kataoka, M. Concentration modulation and stability of long period superlattice in the off-stoichiometric Cu-Au alloys 9—55699
Kataoka, S. *see* Kawashima, M. 9—91058
Kataoka, S. *see* Sugiyama, Y. 9—56585
Kataoka, T., Kitano, T., Nishimura, T. Utility of parallel-plate plastometer for rheological study of filled polymer melts 9—77036
Kataoka, T., Matsumoto, K. Dynamical analysis of carbon transfer in liquid metal cooled fast breeder reactor 9—97805
Kataoka, Y., Press, W., Buchenau, U., Spitzer, H. Rotational states of CH_4 impurities in solid rare gas matrices (Ar, Kr, Xe) 9—51020
Kataoka, Y. *see* Maki, K. 9—51042
Katargin, N.V., Kurinov, A.D., Smakhtin, L.A., Gurvich, Ye.G. A method for neutron-activation analysis of suspension samples on membrane ultrafilters 9—52841
Katase, A. *see* Ishibashi, K. 9—58748, 9—61691, 9—69629
Katasev, L.A. *see* Andreyeva, L.A. 9—62634
Katashinskii, V.P. Distribution of contact stresses in the rolling of metal powders 9—66083
Katashinskii, V.P. Effects of the shape of the densification zone on the distribution of density in rolled powder strip 9—95960
Katayama, D.H. New vibrational quantum number assignments for the UV absorption bands of ozone based on the isotope effect 9—94008
Katayama, D.H., Cook, J.M., Boundybey, V.E., Miller, T.A. Rydberg series of atomic He by opto-galvanic spectroscopy 9—54779
Katayama, D.H., Miller, T.A., Bondybey, V.E. Radiative decay and radiationless deactivation in selectively excited CN 9—98142
Katayama, D.H. *see* Rose, T.L. 9—68279
Katayama, I., Kozuka, Z., Shibata, J. Measurements of standard Gibbs energies of formation of Sb_2O_3, GeO_2 and In_2O_3 by electrochemical method 9—83499
Katayama, I. *see* Bolotin, H.H. 9—63630
Katayama, K. *see* Bando, S. 9—57794
Katayama, K. *see* Hattori, M. 9—50565
Katayama, K. *see* Takeuchi, T. 9—66435
Katayama, M. *see* Nagai, K. 9—57257
Katayama, S., Mills, D.L. Influence of a magnetic field on high-frequency relaxation time in n-type polar semiconductors 9—95438
Katayama, S., Mills, D.L. Theory of light scattering from soft modes in IV-VI compounds 9—95791
Katayama, S. *see* Itaya, Y. 9—94249
Katayama, S. *see* Yokota, K. 9—95287
Katayama, T. *see* Hirao, Y. 9—72117
Katayama, T. *see* Iwasaki, T. 9—88298
Katayama, T. *see* Kobayashi, H. 9—88291
Katayama, T. *see* Nagata, M. 9—53399
Katayama, T. *see* Nishihara, Y. 9—91260
Katayama, Y., Shiraki, Y., Kobayashi, K.L., Komatsubara, K.F., Hashimoto, N. An MOS field-effect transistor fabricated on a molecular-beam epitaxial silicon layer 9—78179
Katayama, Y. *see* Shimada, T. 9—99077
Katcoff, S. *see* Haustein, P.E. 9—67664
Kates, J.M. Constant-Q analysis using the chirp Z-transform 9—64407
Kates, J.M. Loudspeaker cabinet reflection effects 9—64451
Katgert, P., de Ruiter, H.R., van der Laan, H. Redshift dependence of colour and space density of radio galaxies 9—75278
Katgert, P., Willis, A.G., de Bruyn, A.G. Optical identification of the radio sources in the 3rd Westerbork survey 9—58436
Katheder, H. *see* Arendt, F. 9—54220
Katila, T. *see* Aittoniemi, K. 9—63285
Katilius, R. *see* Gantsevich, S.V. 9—54043
Katinas, V.I. *see* Zhukauskas, A.A. 9—81973
Katircioglu, B., Pautrat, J.L. Photocapacitance detection of deep centers in O-implanted zinc telluride 9—95362
Katiyar, H.C. *see* Kondal Rao, N. 9—49806
Katiyar, R.S. *see* Cerdeira, F. 9—78686
Katiyar, V.K. *see* Tandon, P.N. 9—72786
Katkov, V.M. *see* Baier, V.N. 9—85843
Katnani, A. *see* Wakim, F.G. 9—61985
Kato, A. *see* Hojo, J. 9—100068
Kato, A. *see* Okabe, Y. 9—70030
Kato, A. *see* Osumi, Y. 9—95168
Kato, B., Aoki, H. Residual stresses in cold-formed tubes 9—61605
Kato, E., Daimon, K. Thermal decomposition of hydrated aluminum sulfate precipitated from acetic acid solution 9—91934
Kato, E., Daimon, K., Kobayashi, Y. Factors affecting decomposition rate of Al_2TiO_5 9—87606
Kato, E. *see* Murase, Y. 9—78865
Kato, E. *see* Ouchi, Y. 9—77663
Kato, H., Watanabe, K., Naya, K. Visualization of fluid flow near a rotating disk in dilute polymer solutions 9—72914
Kato, H., Yoshihara, K. Laser induced fluorescence, energy transfer, and dissociation of Cs_2 9—98141
Kato, H. *see* Asano, M. 9—92297
Kato, H. *see* Beebe, G.W. 9—88136
Kato, H. *see* Goto, S. 9—77039
Kato, H. *see* Hayashi, M. 9—59444
Kato, H. *see* Minato, A. 9—89397
Kato, H. *see* Takai, Y. 9—99647
Kato, I. Treatment of liquid-waste in motion picture laboratories 9—54209
Kato, I., Iwasaki, A., Yonehara, A., Shimizu, T. Time variation of the concentration of helium metastable atoms in $He\text{-}Kr^+$ ion laser 9—55111
Kato, J. *see* Arai, E. 9—85431
Kato, K. High-efficiency second-harmonic generation at 4250-4680 Å in $KNbO_3$ 9—81479
Kato, K., Hanaki, K. Speed effects in deep drawing of aluminium sheet 9—52241
Kato, K., Mima, K. Broken ambipolarity of diffusion in drift wave turbulence 9—64828
Kato, K., Nishimura, H., Shimizu, Y. Parity violation in helium and cesium and the effect of electron-electron interaction 9—54788
Kato, K., Sekita, M., Kimura, S. Dieuropium(III) germanate oxide 9—99140
Kato, K., Takayama, E. The crystal structure of barium germanate hydrate $BaO.GeO_2.5H_2O$ 9—69067
Kato, K., Tanisaka, S., Izumi, M., Doi, T. Development of reactor noise monitor 9—76079
Kato, K. *see* Kayaba, T. 9—61742
Kato, K. *see* Murata, F. 9—59185
Kato, K. *see* Shinto, H. 9—100182
Kato, K. *see* Yoshioka, K. 9—97823
Kato, M. *see* Takeuchi, S. 9—94365
Kato, M. *see* Tobe, T. 9—100208
Kato, M. *see* Uematsu, K. 9—78100
Kato, M. *see* Yamamoto, T. 9—92953
Kato, M. *see* Yonei, S. 9—74724, 9—88129
Kato, S., Fujimoto, T. Numerical solutions of free-molecular flows through circular tubes containing orifices of sudden enlargements or contractions 9—94660
Kato, S., Konishi, R., Mogami, S. X-ray photoelectron appearance potential spectrum of titanium 9—65973
Kato, S., Morokuma, K. Energy gradient in a multi-configurational SCF formalism and its application to geometry optimization of trimethylene diradicals 9—85903
Kato, S. *see* Aoki, Y. 9—67757
Kato, S. *see* Aso, T. 9—66851
Kato, S. *see* Chiba, M. 9—93898
Kato, S. *see* Iga, T. 9—69096
Kato, S. *see* Inada, T. 9—91158
Kato, T. On the Cook-Kuroda criterion in scattering theory 9—67194
Kato, T. Measurement of tritium in air by adsorbent 9—76291
Kato, T. The interpretation of vertical crustal movements in the time-space domain 9—80056
Kato, T., Takenaka, T. Raman study of vibrational dephasing process in aqueous nitrate solutions 9—51936

Kato, T. *see* Haga, E. 9—65662
Kato, T. *see* Ito, M. 9—69343
Kato, T. *see* Niizeki, H. 9—84302
Kato, T. *see* Tanaka, Y. 9—69017
Kato, T. *see* Ueda, M. 9—66118
Kato, T. *see* Yoshikawa, K. 9—80670
Kato, W. *see* Masuda, K. 9—68734
Kato, Y., Kitayama, K., Seikai, S., Uchida, N. Novel method for measuring cutoff wavelength of HE_{21}-, TE_{01}- and TM_{01}-modes 9—76820
Kato, Y., Mori, Y., Morizane, K. Chromium-doped GaAs vapor phase epitaxy 9—74099
Kato, Y. *see* Hashimoto, T. 9—61922
Kato, Y. *see* Hirose, M. 9—100173
Kato, Y. *see* Kishida, S. 9—50311
Kato, Y. *see* Kitayama, K.-I. 9—81536
Kato, Y. *see* Sakai, J. 9—59819
Kato, Y. *see* Sato, M. 9—100300
Kato, Y. *see* Takeuchi, I. 9—58147
Kato, Y. *see* Yamada, K. 9—81457
Kato, Y. *see* Yamakawa, H. 9—79733
Katoh, A. *see* Kunihisa, K.S. 9—55871
Katoh, M. Freon-TF freeze drying method for SEM sample 9—74802
Katoh, S. *see* Sada, E. 9—64741
Katoha, T. Determining the state of a coolant from local temperature fluctuation analysis 9—67845
Katona, Z. Position of bioengineering education in Hungary 9—67127
Katori, K. *see* Furuno, K. 9—63690
Katori, K. *see* Tagishi, Y. 9—67740
Katranovskii, V.A., Nadeikin, A.A., Nikitin, A.I. Intracavity neodymium-glass laser spectrometer for 1.35 μ 9—63316
Katrich, A.B., Kuz'michev, V.M. Radiation detectors based on the Nernst-Ettingshausen effect 9—58795
Katrich, G.A. *see* Gavrilenko, V.I. 9—61340
Katrich, I.Yu. *see* Vakulovskii, S.M. 9—74560
Katrich, M.D. *see* Shaskol'skaya, M.P. 9—79035
Katriel, J. On the divergence of perturbation theory for anharmonic oscillators 9—75393
Katriel, J. Explicit expressions for the coefficients in Boson series expansions of arbitrary spin operators 9—80507
Katriel, J. *see* Kventsel, G.F. 9—78281
Katriel, J. *see* Murat, K. 9—56137
Katrus, O.A. Critical speeds in powder rolling 9—70011
Kats, A.M. Freezing of metal at mean heat exchange intensity in irregular mode stage 9—52193
Kats, E.I. *see* Kamenskii, V.G. 9—99844
Kats, E.I. *see* Trusov, L.I. 9—82340
Kats, L.I., Safonov, A.A., Somov, A.A. An investigation of the effect of a DC electric field on the propagation of an electromagnetic wave in a solid state plasma 9—82620
Kats, M.E. *see* Dorman, L.I. 9—53682, 9—80118
Kats, R.M. *see* Indel'man, P.V. 9—68800
Kats, Ya.G. *see* Avdeev, V.L. 9—101098
Kats, Ya.L., Sokolov, L.N., Okorokov, G.N. Ultraacoustic investigation into FeCr melts 9—51202
Katsaurov, L.N. *see* Bayadilov, E.M. 9—86814
Katsel'son, A.A., Silonov, V.M., Khrushchov, M.M. Pair interaction and third-order perturbation theory in the electron theory of binary alloys with short-range order 9—69404
Katsev, I.L., Zege, E.P. Determination of parameters of narrow absorption lines of atmospheric gases 9—84507
Katsiaris, G.A. *see* Georgantopoulos, G.A. 9—81985, 9—86518
Katsikadelis, J.T. *see* Kounadis, A.N. 9—50638
Katskov, D.A., Grinshtein, I.L. Atomization in a graphite furnace with ballast—a technique for increasing the accuracy of atomic-absorption analysis 9—96389
Katsman, Yu.Ya. *see* Gorbunov, V.I. 9—93100
Katsman, Yu.Ya. *see* Pekarskii, G.Sh. 9—75539
Katsnel'son, A.A., Mekhrabov, A.O.O., Silonov, V.M. Experimental and theoretical investigation of short-range order in Ni-Os and Co-Os alloys 9—69058
Katsnelson, M.I. *see* Vonsovsky, S.V. 9—82524, 9—82534
Katsonis, F. *see* Grenon, M. 9—100497
Katsoufis, E. *see* De Clercq, C. 9—89188
Katsube, T., Nakagawa, Y., Ohkubo, K., Hara, M., Ohtani, F. The radiation sensitivity of PVF_2 film pyroelectric detectors 9—93222
Katsukawa, H. *see* Shimizu, N. 9—99947
Katsulai, H., Arimizu, N. Improvement of image quality in multiplane tomographic scintillation camera restoration of circular motion blur 9—92338
Katsumata, K., Kobayashi, M. An automatic M-H curve recorder in high magnetic fields 9—71500
Katsumata, K., Kobayashi, M., Sato, T., Miyako, Y. Experimental phase diagram of a random mixture of two anisotropic antiferromagnets 9—73748
Katsumata, K. *see* Kobayashi, M. 9—65678
Katsumata, S., Achiba, Y., Kimura, K. Angular distribution of He II photoelectron spectrum of H_2 9—59511
Katsumata, S., Achiba, Y., Kimura, K. Photoelectron angular distribution of simple molecules at 30.4 nm photons 9—98151
Katsumata, S., Nomoto, K., Ohmori, K., Kirihata, Y., Yamazaki, T., Achiba, Y., Kimura, K. A simple He II resonance lamp for use in UV photoelectron spectroscopy 9—58847
Katsumata, S., Nomoto, K., Ohmori, K., Kirihata, Y., Yamazaki, T., Achiba, Y., Kimura, K. An intense He II resonance lamp for UV photoelectron spectroscopy 9—93232
Katsumoto, T., Takayama, H., Takagi, A. Comparative observations by means of scanning transmission and scanning electron microscopy of the same cultured cell specimens 9—74801
Katsumura, Y. *see* Tabata, Y. 9—54620
Katsumura, Y. *see* Tagawa, S. 9—79267
Katsuno, H. *see* Kan, H. 9—51445, 9—69965
Katsuno, H. *see* Sukegawa, T. 9—87558
Katsura, S., Fujiki, S. Distribution of spins and the thermodynamic properties in the glass-like (spin glass) phase of random Ising bond models 9—51786
Katsura, S., Fujiki, S., Inawashiro, S. Spin-glass phase in the site Ising model 9—95592
Katsuro, N.I. *see* Abil'siitov, G. 9—94254
Katsuta, H., Farraro, R.J., McLellan, R.B. The diffusivity of hydrogen in palladium 9—77815
Katsuta, H., McLellan, R.B. Diffusivity permeability and solubility of hydrogen in platinum 9—95170
Katsuura, K. *see* Hayashi, M. 9—71755, 9—93349, 9—97579
Katsuyama, Y. Single-mode propagation in 2-mode region of optical fibre by using mode filter 9—76825
Katsuyama, Y., Mochizuki, S., Ishihara, K., Ishida, Y. Single-mode optical fiber cable 9—90019
Katsuyama, Y., Mochizuki, S., Ishihara, K., Miyashita, T. Single-mode optical fiber cable 9—81522
Katsyutsevich, E.V. *see* Vinogradov, G.V. 9—50690
Kattan, M., Miyasaka, K., Volgyesi, G., Froese, A.B. A respiratory jacket for ventilatory measurements in children 9—62379
Kattawar, G.W. *see* Guinn, J.A., Jr. 9—53349
Katti, S.S. *see* Damle, H.G. 9—86914
Katti, V.R. *see* Rangarajan, L.M. 9—81575
Katto, Y. A generalized correlation of critical heat flux for the forced convection boiling in vertical uniformly heated round tubes. A supplementary report 9—68697
Katto, Y., Shimizu, M. Upper limit of CHF in the saturated forced convection boiling on a heated disk with a small impinging jet 9—81891
Katty, A. *see* Le Nagard, N. 9—55714
Katulevskii, Yu.A. *see* Azimov, S.A. 9—51658, 9—90971
Katulin, V.A., Nosach, V.Yu., Petrov, A.L. Investigation of the characteristics of the preamplifier stages of a short-pulse iodine laser 9—94227
Katulin, V.A. *see* Basov, N.G. 9—89904
Katushonok, S.S. *see* Gulakov, I.P. 9—57331
Katushonok, S.S. *see* Gulakov, I.R. 9—57329
Katuya, M. Comprehensive sum rules for S-wave amplitudes of nonleptonic hyperon decays 9—63476
Katuya, M., Koide, Y. Is the 20-dominance model valid in charm decays, too? 9—71747
Katyal, S.C. *see* Bhatia, K.L. 9—65855
Katyshev, Yu.V., Makhaldiani, N.V., Makhankov, V.G., Shvachka, A.B. Stable solutions for vortex systems 9—98735
Katyushina, V.V. *see* Ivel'skaya, M.K. 9—53589
Katz, A., Wentzel, C. A portable tactile aid for the deaf using a Z80 microprocessor controller 9—84029
Katz, B. *see* Hajela, G.P. 9—52878
Katz, B.S., Hepfer, K.C. Electro-optics systems performance analysis in selected marine environments 9—58094
Katz, D. *see* Elliott, L.L. 9—86305
Katz, D.F. *see* Dresdner, R.D. 9—92199
Katz, E.R. *see* Newman, J.J. 9—51821
Katz, H., Walter, R., Somorjai, R.L. Rotational dynamics of large molecules 9—59609
Katz, H. *see* Alkhazov, G.D. 9—75883
Katz, H. *see* Nigrey, P.J. 9—51094
Katz, I. *see* Goldhirsh, J. 9—70841
Katz, J., Marom, E. Effects of nonlinear recording in holographic interferometry 9—76633
Katz, J., Weihs, D. Large amplitude unsteady motion of a flexible slender propulsor 9—53172
Katz, J.I. *see* Joss, P.C. 9—62867
Katz, J.I. *see* Margon, B. 9—62839
Katz, J.J. *see* Baugher, J. 9—59477
Katz, J.J. *see* Janson, T.R. 9—52914
Katz, J.J. *see* Stockel, P. 9—53038
Katz, J.Lawrence *see* Lawrence Katz, J.
Katz, L. *see* Fuld, K. 9—57660
Katz, L. *see* Urban, E.W. 9—54141
Katz, M., Wheeler, K.E., Radowsky, M., Gordon, W. Assessment of rate of hair growth using a simple trichometer 9—92325
Katz, M. *see* Stooksberry, R.W. 9—93849
Katz, M.B. Rigorous error bounds in computerized tomography 9—66514
Katz, M.B., Premoli, C. India and Madagascar in Gondwanaland based on matching Precambrian lineaments 9—62477
Katz, M.M. *see* Bayukov, Yu.D. 9—49538
Katz, R. Photometric measurements of thin tracks in nuclear emulsion 9—76281
Katz, R.Nathan *see* Nathan Katz, R.
Katz, S.A. The use of hair as a biopsy material for trace elements in the body 9—83955
Katz, S.A. *see* Chattopadhyay, A. 9—53550
Katz, W. *see* Chelgren, J.E. 9—83073
Katz, W. *see* Gibbons, J.F. 9—73182, 9—90555
Katz, Z. A coaxial Kerr cell 9—72606
Katzen, E. *see* Berg, N.J. 9—55079
Katzer, J.R. *see* Windawi, H. 9—83505
Katzka, P. *see* Chang, I.C. 9—55248
Katzmer, D. *see* Afanas'ev, V.A. 9—97832
Kaufer, J. *see* Weinberger, B.R. 9—95566
Kauffmann, S.K. *see* Baltz, A.J. 9—97689
Kaufman, A.A. Resolving capabilities of the inductive methods of electroprospecting 9—84498
Kaufman, A.A. Harmonic and transient fields on the surface of a two-layer medium 9—92478
Kaufman, A.N., Cary, J.R., Pereira, N.R. Universal formula for quasi-static density perturbation by a magnetoplasma wave 9—60131
Kaufman, A.N. *see* Johnston, S. 9—90448
Kaufman, A.N. *see* McDonald, S.W. 9—54013
Kaufman, A.N. *see* Mynick, H.E. 9—90440
Kaufman, C. *see* Woodsum, H.C. 9—98536
Kaufman, F. *see* Donnelly, V.M. 9—50076, 9—89701
Kaufman, F.B. *see* Torrance, J.B. 9—61399
Kaufman, G.E., Miller, M.W. Growth retardation in Chinese hamster V-79 cells exposed to 1 MHz ultrasound 9—62293
Kaufman, H.R., Harper, J.M.E., Cuomo, J.J. Focused ion beam designs for sputter deposition 9—78880
Kaufman, H.R., Harper, J.M.E., Cuomo, J.J. Focused ion beam designs for sputter deposition 9—89841
Kaufman, H.R., Robinson, R.S. Ion beam texturing of surfaces 9—77876
Kaufman, H.R. *see* Cuomo, J.J. 9—75510
Kaufman, J.J. *see* Sondergaard, N.A. 9—98214
Kaufman, L. Calculation of the effects of radiation on the thermochemical stability of alloy phases 9—60406
Kaufman, L. Comment on miscibility gap and critical point behavior for a cubic Margules solution model 9—65199
Kaufman, L. Coupled phase diagrams and thermochemical data for transition metal binary systems. VI 9—95997
Kaufman, L. Calculation of quasibinary and quasiternary oxide systems. II 9—96006
Kaufman, L., Nesor, H. Coupled phase diagrams and thermochemical data for transition metal binary systems. IV 9—66036
Kaufman, L., Nesor, H. Coupled phase diagrams and thermochemical data for transition metal binary systems. V 9—66037
Kaufman, L., Williams, S.H., Hosier, K., Ewins, J.H. An evaluation of semiconductor detectors for positron tomography 9—53221
Kaufman, L. *see* Williams, S.H. 9—49352
Kaufman, L. *see* Williamson, S.J. 9—83813
Kaufman, M. *see* Strattan, L.W. 9—84353
Kaufman, S.B., Steinberg, E.P., Butler, G.W. (π,π N) reactions on ^{25}Mg and ^{197}Au 9—89329
Kaufman, S.L. *see* Lewis, D.A. 9—72446
Kaufman, V., Hagan, L. Spectrum and energy levels of singly ionized aluminium (Al II) 9—54797
Kaufman, V. *see* Sugar, J. 9—49953
Kaufman, Y.J. Effect of the Earth's atmosphere on contrast for zenith observation 9—84479
Kaufmann, E.N. Systematics of metastable alloys produced by ion implantation 9—51132
Kaufmann, E.N., Vianden, R.J. The electric field gradient in noncubic metals 9—65420
Kaufmann, E.N. *see* Vianden, R. 9—99520
Kaufmann, G. *see* Choplin, F. 9—91945
Kaufmann, G. *see* Klopffer, W. 9—81232
Kaufmann, K. *see* Donovan, R.J. 9—53499
Kaufmann, K.J. Picosecond spectroscopy applied to the study of chemical and biological reactions 9—80697
Kaufmann, K.J. *see* Smith, K.K. 9—83475
Kaufmann, R., Meyer, O. Computer simulation of channelling measurements on V_3Si single crystals 9—51180
Kaufmann, R., Meyer, O. Computer simulation of channeling measurements in He-irradiated V_3Si single crystals 9—55800
Kaufmann, R. *see* Nitsche, R. 9—57315
Kaufmann, Th. *see* Arnold, H. 9—52121
Kaufmann, U., Koschel, W.H., Schneider, J., Weber, J. Optical and EPR study of the nickel two-electron-trap state in GaP 9—73806
Kaufmann, U., Mitlehner, H. Annealing behavior of neutron-transmutation doped silicon—As studied by EPR 9—86804
Kaufmann, W. Exploding galaxies and supermassive black holes 9—80355
Kaugerts, J., Polk, I., Sampson, W., Dahl, P.F. ISABELLE insertion quadrupoles 9—76197
Kaugerts, J. *see* Bleser, E. 9—68089

Kaugerts, J. *see* McInturff, A.D. 9—68088
Kaukiainen, M. *see* Sadowski, J.W. 9—96314
Kaul', A.R. *see* Rozantsev, A.V. 9—86904
Kaul, R., Takasugi, E., Valanju, P. Two-meron configurations in the transverse gauge 9—71637
Kaul, R. *see* Takasugi, E. 9—89208
Kaul, R.D. Measurement of excitation cross section of the 6^3P_1 state of Hg using self-calibrating apparatus 9—50135
Kaul, R.K. *see* Delph, T.J. 9—64574
Kaul, V.K., Srivastava, O.N. Phase transformation in dysprosium oxide thin films 9—95285
Kaula, W.M. The moment of inertia of Mars 9—58290
Kaula, W.M. Thermal evolution of Earth and Moon growing by planetesimal impacts 9—70968
Kaula, W.M. *see* Kobrick, M. 9—84687
Kaulach, I.S. Strong magnetic field effects on dark and photoconductivity of tetrathiotetracene sandwich type samples at charge carrier injection 9—69607
Kaulach, I.S. The sign inversion of low magnetic field influence on the dark injection current in tetrathiotetracene 9—73602
Kaulakis, B.P., Presnyakov, L.P., Serapinas, P.D. Investigating autoionization states of negative ions by the broadening and displacement of neutral atom Rydberg series 9—85938
Kaulich, I., Pivonka, P. Digital measurement of rotational speed [electric machines] 9—71419
Kaup, D.J., Reiman, A., Bers, A. Space-time evolution of nonlinear three-wave interactions. I. Interaction in a homogeneous medium 9—84966
Kaup, D.J. *see* Hmurcik, L.V. 9—72632
Kaup, D.J. *see* Leclert, G.P. 9—90403
Kaup, U. *see* Hellmeister, H.P. 9—80863
Kauppinen, J. Multiple-path gas cell for small f/number optics 9—58805
Kauppinen, J. Working resolution of 0.010 cm^{-1} between 20 cm^{-1} and 1200 cm^{-1} by a Fourier spectrometer 9—75603
Kauppinen, J. *see* Anttila, R. 9—50021, 9—64000
Kauppinen, J. *see* Graner, G. 9—81204
Kauppinen, J. *see* Huhanantti, M. 9—50020
Kaur, R. *see* Sharma, A.K. 9—54387
Kaur, R. *see* Verma, H.R. 9—85401
Kaus, P. *see* Beavis, D. 9—97599
Kausel, E. *see* Uyeda, S. 9—66652
Kaushal, R.S. A new interpretation of the data on the neutron charge form factor 9—67549
Kaushal, R.S. Small g and large λ solution of the Schrodinger equation for the interaction $\lambda x^2/(1+gx^2)$ 9—92967
Kaushanskii, V.E., Timashev, V.V. Lattice defects in a solid solution of Al_2O_3 in tricalcium silicate 9—95167
Kaushik, D.K. *see* Priyokumar Singh, S. 9—90911
Kaushik, S.C. *see* Mathur, S.S. 9—62148
Kaushik, S.C. *see* Sodha, M.S. 9—50865, 9—59980, 9—70432, 9—77384
Kaushik, S.C. *see* Sodha Govind, M.S. 9—55511
Kaushinis, S.K. *see* Valis, A.S. 9—81396
Kauzhens, I.K., Balodis, A.A., Pipars, Ya.Ya., Shaparenko, I.I. The influence of a resonance filter on the wave form of a scanning signal 9—55265
Kauzhens, I.K. *see* Pipars, Ya.Ya. 9—53986
Kauzlarich, J.J. *see* Jamison, W.E. 9—52379
Kavalev, P.I. *see* Komissaruk, V.A. 9—55435
Kavalyanskene, G.S. *see* Rinkyavichyus, V.S. 9—65468
Kavalyauskas, Yu.F. *see* Irzhikyavichyus, A.E. 9—56767
Kavalyauskas, Yu.F. *see* Nizametdinova, M.A. 9—51984
Kavaya, M.J., Margolis, J.S., Shumate, M.S. Optoacoustic detection using Stark modulation 9—94325
Kaveh, M., Gutfreund, H., Weger, M. Thermal conductivity of tetrathiafulvalenium-tetracyanoquinodimethanide (TTF-TCNQ) 9—95394
Kaveh, M., Mueller, R.K., Iverson, R.D. Ultrasonic tomography based on perturbation solutions of the wave equation 9—70593
Kaveh, M., Weger, M., Gutfreund, H. Origin of delocalization in organic molecular conductors 9—78086
Kaveh, M., Wiser, N. Phonon-dislocation scattering and phonon equilibration in metals at low temperatures 9—51561
Kaveh, M. *see* Bergmann, A. 9—60805
Kaveh, M. *see* Danino, M. 9—60793
Kaveh, M. *see* Mueller, R.K. 9—66578
Kavetskaya, I.V., Sibel'din, N.N., Stopachinskii, V.B., Tsvetkov, V.A. Repulsive interaction and spatial distribution of electron-hole drops in germanium 9—99488
Kaviany, M. *see* Reimers, R. 9—68103
Kavitskii, I.M. *see* Yakshin, N.M. 9—52492
Kavrak, I. A model for national energy planning 9—57350
Kavvas, M.L. *see* Delleur, J.W. 9—70861
Kaw, P.K., Jain, R.K., Das, A.C. Nonlinear two-stream instability (type I modes) in equatorial electrojet 9—53640
Kaw, P.K. *see* Sharma, S.K. 9—56268
Kawa, J. *see* Aoki, Y. 9—67757
Kawabata, A. *see* Adachi, M. 9—98488
Kawabata, A. *see* Fukuda, S. 9—50353, 9—91401
Kawabata, A. *see* Shiosaki, T. 9—86269
Kawabata, C., Binder, K. Monte Carlo studies of classical d=2,3 XY models 9—63168
Kawabata, K. Electrical properties in Ag-SiO-Ag sandwich structure 9—87164
Kawabata, K., Buxton, G.V., Salmon, G.A. Temperature dependence of trapped electrons in crystalline D_2O ice from 77 to 6K 9—83474
Kawabata, N. *see* Kumaki, S. 9—57663
Kawabata, T., Izumi, O. On the intergranular fracture mechanism due to ledge formation in an Al-6.0% Sn-2.5% Mg alloy 9—57089
Kawabe, H. Some analyses for dynamic characteristics of the materials of relaxation type in terms of the 3-lumped parameter vibration model 9—72827
Kawabe, H. *see* Umeno, M. 9—60376
Kawabe, M. *see* Kotani, H. 9—59844
Kawabe, M. *see* Murakami, K. 9—60393, 9—69122
Kawabe, R. *see* Minato, A. 9—89397
Kawabe, R. *see* Naitoh, M. 9—49704
Kawabe, T., Mannari, I. Low-temperature properties of an anisotropic magnet 9—65633
Kawabe, T. *see* Imachi, M. 9—63415
Kawabe, U. *see* Aida, T. 9—87850
Kawachi, M. *see* Edahiro, T. 9—94376
Kawachi, M. *see* Shibata, N. 9—86255
Kawada, J. *see* Jumonji, H. 9—54103
Kawada, Y. *see* Koizumi, H. 9—57458
Kawade, K. *see* Kawase, Y. 9—63831
Kawado, S., Aoyama, J. Applications of ABAC-combined X-ray step-scanning section topography for characterization of lattice imperfections in silicon 9—60221
Kawado, S. *see* Aoyama, J. 9—65069
Kawagoe, K. *see* Kajiya, F. 9—70609
Kawagoe, M. *see* Kitagawa, M. 9—52310
Kawagoe, S. *see* Matsuo, K. 9—72965
Kawaguchi, I. *see* Ishigaki, H. 9—95076
Kawaguchi, T. *see* Yamamoto, H. 9—83148
Kawaguchi, Y. Reflection of electromagnetic waves from a rough surface 9—94135
Kawaguti, M., Hamano, A. Numerical study on bifurcating flow of a viscous fluid 9—55418
Kawahara, H. Simulation on intensity self-pulsation in CW semiconductor lasers 9—94232
Kawahara, K., Mikami, T. Circadian rhythm related to the human body temperature—a theoretical study by computer simulation 9—70525
Kawahara, M., Morinaga, K., Yanagase, T. The behavior of MgO and NiO in molten PbO-SiO_2 system 9—52746
Kawahata, K., Hamada, Y., Yasuda, A., Miyamoto, K. Electron temperature measurement in JIPP T-II device 9—50891
Kawahata, K. *see* Toi, K. 9—86565
Kawai, C. *see* Eiho, S. 9—83927
Kawai, E., Ezawa, Y., Senba, K., Tanimoto, M., Hemmi, S., Koikawa, T. Model analysis on soft and hard components of hadronic total cross-sections at high energies 9—49546
Kawai, E., Tanimoto, M., Ezawa, Y., Omura, T., Tanaka, H., Senba, K. On the determination of the ratio of quark fragmentation functions in inclusive muoproduction 9—67565
Kawai, K. *see* Akaboshi, M. 9—57709
Kawai, K. *see* Kaneko, K. 9—65234
Kawai, K. *see* Kanesaka, I. 9—82970
Kawai, K. *see* Kawamoto, K. 9—66305
Kawai, M. Nuclear data for shielding calculation and influence of its uncertainty 9—71982
Kawai, M. *see* Adachi, K. 9—65657
Kawai, M. *see* Kiyomiya, M. 9—91993
Kawai, N. *see* Notsu, Y. 9—99731
Kawai, N. *see* Ohtani, A. 9—49246
Kawai, N. *see* Sueishi, T. 9—66616
Kawai, S. Generation of initial wavelets by instability of a coupled shear flow and their evolution to wind waves 9—94635
Kawai, S. *see* Aguirre, C. 9—62699
Kawai, S. *see* Aono, M. 9—99403
Kawai, S. *see* Yajima, F. 9—100049
Kawai, T., Yoshida, H. de Sitter gauge theory of gravitation 9—97285
Kawai, T. *see* Kashiwara, M. 9—54272
Kawai, Y. *see* Fujita, H. 9—86614
Kawai, Y. *see* Tanaka, M. 9—90424
Kawaji, M., Baba, S., Kinbara, A. Superstructures of submonolayer indium films on silicon (111)7 surfaces 9—77930
Kawaji, M., Baba, S., Kinbara, A. Reflection high energy electron diffraction investigation of indium and antimony deposited by molecular beam epitaxy 9—82491
Kawaji, M. *see* Baba, S. 9—86992
Kawakami, H., Izawa, Y., Yamanaka, C. A high resolution infrared spectroscopy using $Pb_{1-x}Sn_xTe$ diode lasers 9—49306
Kawakami, H. *see* de Lima, A.P. 9—54377
Kawakami, H. *see* Sakagami, Y. 9—63809
Kawakami, M., Goto, T. NMR study of ferromagnetism in $V(Ir_{1-x}Pt_x)_3$ 9—65760
Kawakami, S. *see* Nagano, K. 9—98500
Kawakami, S. *see* Ogusu, K. 9—50378
Kawakami, T. *see* Shinoda, Y. 9—50312
Kawakami, W. *see* Hashimoto, S. 9—96489
Kawakatsu, H. *see* Atoda, N. 9—87859
Kawakubo, T. An ESR spectrum of γ-irradiated hexachlorobenzene single crystals 9—65735
Kawakubo, T. New current septum magnet used for beam injection and extraction in ultra-high vacuum system 9—68095
Kawakubo, T. On the assignments of the optical absorption bands of radiation-induced radicals in naphthalene and anthracene single crystals 9—91463
Kawakubo, T., Kabashima, S., Tsuchiya, Y. Experimental studies of some phase transitions in nonequilibrium open systems 9—75483
Kawakubo, T. *see* Kabashima, S. 9—58665
Kawakubo, T. *see* Miyahara, Y. 9—76182
Kawall, J.G. *see* Moum, J.N. 9—77208
Kawamata, K. *see* Sato, S. 9—91868
Kawamata, M. *see* Suita, M. 9—90337
Kawaminami, M., Hirose, T. Condensed modes of WO_3 represented by the normal modes in the space group D_{4h}^7 9—90747
Kawamori, A. *see* Hashimoto, E. 9—78557
Kawamoto, H., Ohmi, T. Long wave length excitations in superfluid He^4 films 9—73356
Kawamoto, H. *see* Ogawa, T. 9—79919
Kawamoto, K., Kawai, K., Maki, H., Akaboshi, M. Abiotic formation of amino acids from ethanol and aqueous ammonia by reactor irradiation 9—66305
Kawamoto, Y. *see* Ishikawa, T. 9—96174
Kawamura, A., Hayashi, K., Hattori, S. Monochromatic pyrometer with silicon photocell as a detector 9—93145
Kawamura, A. *see* Yoshioka, R. 9—81042
Kawamura, D. *see* Yamada, T. 9—61702
Kawamura, H. Electron-phonon interaction induced phase transition in IV-VI compounds 9—82338
Kawamura, H. A simple theory of hard disk transition 9—88900
Kawamura, H., Matsumura, M. Raman scattering and bond structure in chalcogenide glasses (Se-Ge system) 9—95772
Kawamura, H., Shirotani, I., Tachikawa, K. Electrical conductivities of niobium iodides 9—60830
Kawamura, H. *see* Maeno, M. 9—98984
Kawamura, H. *see* Seki, M. 9—81990
Kawamura, H. *see* Sugai, S. 9—90776
Kawamura, K., Yosida, Y. Scattering of tight-binding electrons off screw dislocations. II. Analysis of numerical solution and study of influence of an isolated dislocation 9—91012
Kawamura, K. *see* Ayano, T. 9—51003
Kawamura, K. *see* Odawara, O. 9—60535
Kawamura, K. *see* Okada, I. 9—60534
Kawamura, K. *see* Yosida, Y. 9—51540
Kawamura, M., Ochi, K., Mori, T., Yukutake, T., Honkura, Y., Koyama, S. Measurements of the geomagnetic total force intensity in the Kutsatsu-shirane Volcano area 9—70737
Kawamura, M. *see* Arii, K. 9—55449
Kawamura, M. *see* Nagai, T. 9—75056
Kawamura, N. *see* Ohshima, M. 9—59009
Kawamura, T. *see* Minami, T. 9—99948
Kawamura, T. *see* Wada, J. 9—84023
Kawamura, Y., Ohi, K. Negative differential conductivity of photoconducting $KTaO_3$ 9—65515
Kawamura, Y., Okamoto, H. Lattice deformation and misorientation of $In_xGa_{1-x}As$ epitaxial layers grown on InP substrates by molecular-beam epitaxy 9—90896
Kawamura, Y. *see* Asahi, H. 9—51450
Kawamura, Y. *see* Matoba, M. 9—81456
Kawamura, Y. *see* Nagata, I. 9—52736
Kawamura, Y. *see* Shinagawa, H. 9—72911
Kawana, A. *see* Machida, S. 9—81535
Kawana, A. *see* Murakami, Y. 9—59802
Kawanishi, H., Suematsu, Y., Utaka, K., Itaya, Y., Arai, S. $Ga_xIn_{1-x}As_yP_{1-y}$/InP injection laser partially loaded with first-order distributed Bragg reflector 9—98387
Kawanishi, H. *see* Utaka, K. 9—81458
Kawanishi, M. Present status of researches on exo-electron emission and dosimetry 9—83110
Kawanishi, M. *see* Takeda, S. 9—50863
Kawanishi, N. *see* Osada, M. 9—70291
Kawano, H. *see* Ishikawa, K. 9—78799
Kawano, T. *see* Fujii, S. 9—83926
Kawara, T. Holography applied to a living eye 9—79515
Kawara, T., Ohzu, H. Aftereffects following adaptation to colored gratings in the human visual system 9—79547
Kawarabayashi, K., Kitakado, S., Inami, T. Flavour and spin structure of linear baryons 9—89118
Kawarai, T., Sato, S., Imamura, Y. Detection of brittle transition temperature of steel due to fatigue by means of hardness testing 9—87797
Kawasaki, A. *see* Yoshida, T. 9—70026
Kawasaki, I. The near-field Love waves by the exact ray method 9—79750
Kawasaki, K., Gunton, J.D. Critical dynamics 9—60480
Kawasaki, K., Ohta, T. Spinodal decomposition in binary critical fluids 9—77759

Kawasaki, K., Rostoker, G. Perturbation magnetic fields and current systems associated with eastward drifting auroral structures 9—75009
Kawasaki, K. *see* Baba, Y. 9—87045
Kawasaki, K. *see* Ohta, T. 9—58645
Kawasaki, K. *see* Onuki, A. 9—78693, 9—81844
Kawasaki, K. *see* Winningham, J.D. 9—75026
Kawasaki, M., Lee, S.J., Bersohn, R. The photodissociation of cadmium iodide 9—98169
Kawasaki, M., Litvak, H., Lee, S.-J., Bersohn, R. Photodissociation of molecular beams of metallic iodides 9—52718
Kawasaki, R., Yamamoto, K. A wide-band mechanically stable quasi-optical detector for 100-300 GHz 9—67382
Kawasaki, S. Numerical estimation of the free air pressure from radio sonde data 9—88508
Kawasaki, S., Miyahara, A. System design of heavy ion fusion experiment 9—72040
Kawasaki, S. *see* Kobayashi, N. 9—76171
Kawasaki, T. Time evolution of a magnetic binary alloy. Computer simulation of a two-dimensional model system 9—56488
Kawasaki, T., Horiguchi, M. Analysis of accelerated creep under constant sustaining load for austenitic stainless steels 9—83311
Kawasaki, Y. Correspondence between layered cell structures and slip lines in deformed copper single crystals 9—99209
Kawase, M., Yamashita, K., Miyajima, Y. Microbending loss measurement in optical fibers 9—72709
Kawase, Y., Okano, K., Kawade, K. Rapid transport and ionization of fission products by a helium-jet technique 9—63831
Kawase, Y. *see* Hori, K. 9—63586
Kawashima, K., Kitagawa, H., Imanaka, N., Kanamori, A., Ohmori, Y., Nakai, Y. Concept of LMFBR plant system 9—80973
Kawashima, K. *see* Iwasaki, T. 9—88298
Kawashima, K. *see* Wakayama, N. 9—76112
Kawashima, M., Kataoka, S. Electron velocity-field characteristics of $Ga_xIn_{1-x}Sb$ measured by a microwave heating technique 9—91058
Kawashima, M. *see* Horikoshi, Y. 9—98374, 9—98402
Kawashima, T. *see* Koda, Y. 9—89521
Kawashima, T. *see* Masuyama, T. 9—98765
Kawashima, T. *see* Nakajima, H. 9—54011
Kawashima, Y., Takeo, H., Matsumura, C. Microwave spectrum of cis chlorine nitrite ClONO 9—59439
Kawashimo, K. *see* Terasaki, K. 9—52283
Kawashita, K. *see* Torquato, J.R. 9—70796
Kawata, H., Sato, T., Sakurai, T. Lateral spread of B^+ ions implanted in a silicon substrate through a SiO_2 mask 9—51130
Kawata, H. *see* Sakurai, T. 9—77627
Kawata, K., Hashimoto, S., Kurokawa, K. On the derivation of the constitutive equations of high strength Al alloys and their high velocity deformation 9—79029
Kawata, K., Kurokawa, K., Hashimoto, S. Analysis of stress wave propagation behaviour in high velocity tension of bars of finite length of a mild steel and high strength Al alloys 9—79030
Kawata, M., Komiya, K. The recent progress of flow measurements 9—98833
Kawata, S., Abe, T., Kasuya, K., Niu, K. Analysis for extraction and bunching of ion beam from spherical reflex triode 9—97471
Kawata, Y. *see* Haba, Y. 9—58091
Kawata, Y. *see* Kusaka, T. 9—88517
Kawati, S., Miyata, H. 'Double self-dual condition' in the model of a composite graviton 9—97287
Kawato, M., Suzuki, R. Topological properties of a phase transition curve [biological oscillator] 9—83737
Kawauchi, M. *see* Watanabe, I. 9—51695
Kawazoe, H., Hosono, H., Kanazawa, T. Optical absorption of Ni (II)-complex in Na_2O-K_2O-SiO_2 glasses and change in the coordination of the complex upon annealing 9—69870
Kawazoe, H., Hosono, H., Kanazawa, T. Characterization of oxide glasses by magnetic resonance and optical absorption of metallic probe ions 9—95640
Kawazoe, H. *see* Hosono, H. 9—77526, 9—78510
Kawazoe, K. *see* Suzuki, M. 9—52972, 9—74924
Kawazoe, Y. *see* Tsukamoto, T. 9—54420
Kawecki, A. Economical aspects of the meteorological radar system synthesis 9—62543
Kawski, A., Kaminski, J., Kukielski, J. Thermal motion of prolate luminescent molecules in solvents with different viscosities 9—83029
Kawski, A., Ston, M. Energy transfer among like and unlike molecules in solution. IV. Fluorescence quenching of p-terphenyl by 4-aminobenzophenon in solvents of different dielectric constants 9—83030
Kawski, A. *see* Jung, Ch. 9—59507
Kay, E. Organic thin films 9—91584
Kay, E., Dilks, A. Metal-containing plasma polymerized fluorocarbon films—their synthesis, structure, and polymerization mechanism 9—78928
Kay, E. *see* Coburn, J.W. 9—83350, 9—86631
Kay, H.K., Charters, W.W.S. Convective effects in 'slat collectors' 9—62055
Kay, J.F. *see* Doremus, R.H. 9—100246
Kay, J.H. *see* Boulware, D.G. 9—63113
Kay, K.G. *see* Numrich, R.W. 9—70315
Kay, R.E. NRU analysis support experiments performed in ZED-2: description of experiments, and results. I 9—93820
Kay, R.W. Zone refining at the base of lithospheric plates: a model for a steady state asthenosphere 9—88326
Kay, S. Fourier-Autoregressive spectral estimation 9—59872
Kay, S., Marple, L. Sources of and remedies for spectral line splitting in autoregressive spectrum analysis 9—59871
Kayaba, T., Kato, K. Theoretical representation of the coefficient of friction for multiple contact points 9—61742
Kayama, I. *see* Fujita, K. 9—56950
Kayano, H., Higashiguchi, Y., Yajima, S., Onchi, T. Yield point phenomenon in neutron irradiated zirconium 9—52304
Kayano, H. *see* Higashiguchi, Y. 9—51157
Kayanuma, Y. Anomalous reduction of the two-phonon pinning interaction in magneto-optics 9—91411
Kayat, M.A. A soft X-ray image of the Cygnus Loop SNR 9—53895
Kaye, G.T., Anderson, V.C. Scattering from oceanic microstructure: detection with a large aperture array 9—98530
Kaye, P.H., Ludlow, I.K. A high-speed scanning laser diffractometer 9—68437
Kaye, P.H. *see* Ludlow, I.K. 9—66589
Kaynov, V.Yu. *see* Bessarab, A.V. 9—98941
Kays, W.M. *see* Pimenta, M.M. 9—81863
Kayser, B., Fischbach, E., Rosen, S.P., Spivack, H. Charged- and neutral-current interference in ν_e-e scattering 9—89144
Kayser, D. *see* Torr, D.G. 9—58141
Kayser, D.C., Johnson, L.H., Potter, W.E., Nier, A.O. Theory of the fly-through mode for neutral mass spectrometers 9—58274
Kayser, D.C. *see* Hedin, A.E. 9—53591
Kayser, D.C. *see* Potter, W.E. 9—53592
Kayser, R.F., Jr., Raveche, H.J. Equivalence of integral equations in the molecular theory of fluids 9—86670
Kayushin, L.P., Brzhevskaya, O.N., Nedelina, O.S., Sheksheyev, E.M. Participation of free radicals in the synthesis of ATP 9—92183
Kaza, B.Rao *see* Rao Kaza, B.
Kazachenko, L.P., Kruglik, E.K. A method for estimating the shift of the electronic energy levels of molecules 9—54919
Kazachevskaya, T.G. *see* Mishchenko, E.D. 9—93233
Kazachevskaya, T.V. *see* Mishchenko, E.D. 9—55001
Kazachkov, S.P., Kochegura, N.M., Markovskii, E.A. Temperature-dependent variations in density of melts of aluminium, lead and zinc 9—69174
Kazachkovskii, O.D., Mitenkov, F.M., Troyanov, M.F., Shirzev, V.I., Kochetkov, I.A., Savin, N.I., Pakhomov, V.V., Bagdasarov, Yu.E., Karpov, A.V., Filippov, V.Yu., Matveev, V.I., Kulakovskii, M.Ya., Rineiskii, A.A., Ovechkin, A.V., Kusmartsev, E.V. Future plans for the design and construction of fast reactor power stations in the USSR 9—97803
Kazachkovskii, O.D. *see* Zelenskii, V.F. 9—95049
Kazahaya, M., Meiklejohn, D., De Long, P.A. An ultrasonic open channel flowmeter with microprocessor 9—68877
Kazak, N.S. *see* Bokut', B.V. 9—50336
Kazakia, J.Y., Rivlin, R.S. The influence of vibration on Poiseuille flow of a non-Newtonian fluid. II 9—81930
Kazakia, J.Y., Rivlin, R.S. The effect of longitudinal vibration of Poiseuille flow in a non-circular pipe 9—86514
Kazakoff, J.A. *see* Algazi, V.R. 9—74587
Kazakov, A. *see* Karaev, K.Sh. 9—60349
Kazakov, A.E. *see* Andrushin, A.I. 9—85940
Kazakov, A.Ya. *see* Abramov, D.I. 9—63069
Kazakov, B.N. *see* Davydova, M.P. 9—69475
Kazakov, D.I., Tarasov, O.V., Shirkov, D.V. Analytic continuation of the results of perturbation theory for the model $g\phi^4$ to the region $g \gtrsim 1$ 9—97525
Kazakov, K.M. Contribution of diffused night Lyman $L\alpha$ and $L\beta$ radiation to glow of green oxygen line—λ 5577 Å in the lower E-region of middle latitudes 9—66853
Kazakov, V.G. *see* Gavrilyuk, A.V. 9—95620
Kazakov, V.G. *see* Kiiko, I.A. 9—79055
Kazakov, V.M. *see* Ivanov, M.I. 9—93861
Kazakov, V.P. *see* Korobeinikova, V.N. 9—95856
Kazakova, L.A., Shalabutov, Yu.K., Ukhanov, Yu.I. Optical investigation of p-type indium arsenide 9—91479
Kazakova, L.P. *see* Kolomiets, B.T. 9—51583
Kazakova, L.P. *see* Toth, L. 9—99582
Kazakovtseva, V.A., Usikov, M.P. Investigation of structural singularities of martensite in alloy steels tempered at a low temperature 9—100177
Kazakyavichyus, K.A., Narbutene, D.V., Karpinos, D.M., Mikhashchuk, E.P. Thermal softening of plane rectangular specimens made of corundum-based refractory-lining material 9—83237
Kazama, N. *see* Heiman, N. 9—69701, 9—95616
Kazama, N.S., Fujimori, H., Watanabe, H. Magnetic properties of bulk amorphous La-Fe alloys 9—95588
Kazama, N.S. *see* Fujimori, H. 9—95971
Kazama, Y. Dynamics of electron-monopole system 9—54247
Kazama, Y., York-Peng Yao High-energy inclusive annihilation processes. I. Physical picture and $(\phi^3)_6$ theory 9—71640
Kazama, Y., York-Peng Yao High-energy inclusive annihilation processes. II. Quantum chromodynamics 9—71735
Kazankin, O.N. *see* Zimoglyad, L.S. 9—56869, 9—95854
Kazanskaya, A.P. *see* Borisenko, A.I. 9—67801
Kazanskaya, E.V., Egorov-Tismenko, Yu.K., Simonov, M.A., Belov, N.V. Crystal structure of synthetic cadmium ortho-3-borate $Cd_4(BO_3)_2(OH)_2$ 9—86764
Kazanskaya, V.F., Belyaev, V.M. The Mark-Kuhn-Houwink relations for copolymer of styrene with acrylonitrile of azeotropic composition 9—50176
Kazanskii, A.G., Koshelev, O.G., Saptsin, V.M., Radchenko, V.E. Anisotropy of the absorption of submillimeter and millimeter radiation in compensated n-germanium in the presence of uniaxial compression 9—82629
Kazanskii, A.K. Model of the passing of the s term through the parabolic boundary of the continuum 9—72392
Kazanskii, A.K. Born method in the problem of entry of a term into the continuum through a sloping boundary 9—89744
Kazanskii, L.P. *see* Molchanov, V.N. 9—94984
Kazanskii, S.A. Anisotropic spin-spin interaction of a pair of Dy^{3+} ions, associated with a colour centre in a CaF_2 crystal 9—69751
Kazanskii, V.I. *see* Glotova, N.N. 9—55575
Kazanskii, Yu.A. *see* Alekhin, L.A. 9—97898
Kazanskii, Yu.A. *see* Sidorov, G.I. 9—97737
Kazantsev, A.G. *see* Gusenkov, A.P. 9—52486
Kazantsev, A.P., Smirnov, V.S. Optical diffraction and reflection by resonant atoms 9—63969
Kazantsev, A.P. *see* Matskevich, T.L. 9—69929
Kazantsev, A.P. *see* Zhukova, N.I. 9—54936, 9—93958
Kazantsev, E.F. Electro-diffusion model of the nerve impulse 9—53078
Kazantsev, E.F. Recording by the EPR method of the mutations Opaque-2 9—57580
Kazantsev, E.F. *see* Zhukova, N.I. 9—54936
Kazantsev, S.A., Eiduk, V.I. Hanle effect on highly excited atomic levels of inert gases in a discharge 9—76394
Kazantsev, S.A., Mishchenko, E.D., Telbizov, P.K., Chaika, M.P. Decay constant of the $^3P_1$ state of neon 9—72277
Kazantsev, V.V., Rivkin, M.B. Optimal horizontal pneumatic transport 9—72927
Kazantsev, Yu.Ye. *see* Gorskaya, N.V. 9—53028
Kazantseva, L.A. *see* Ogurtsov, I.Y. 9—89784
Kazantseva, V.V. *see* Slonimskii, G.L. 9—52372
Kazantzis, P.G. Numerical treatment of non-integrable dynamical systems 9—58234
Kazantzis, P.G. Families of three-dimensional plane-symmetric periodic orbits in the restricted three-body problem: Sun-Jupiter case 9—58235
Kazantzis, P.G. Families of three-dimensional axi-symmetric periodic orbits in the restricted three-body problem: Sun-Jupiter case 9—58237
Kazantzis, P.G., Zagouras, C.G. Numerical investigation of the manifold l_{qp} in the Sun-Jupiter case of the restricted three-body problem 9—84647
Kazantzis, P.G. *see* Zagoura, C.G. 9—58236
Kazarian, E.M. *see* Dzhotyan, A.P. 9—95343
Kazarinov, N.M., Voronkov, A.A., Korenkov, A.G., Maevskii, V.A. Determination of content of spontaneously fissioning nuclides in samples 9—72206
Kazarinov, N.M. *see* Voronkov, A.A. 9—72177
Kazarinov, V.E., Krishtalik, L.I., Pleskov, Yu.V. Electrochemical properties of anodes on the basis of ruthenium dioxide 9—96332
Kazarinov, Yu.M. *see* Akimov, Yu.K. 9—49525
Kazaryan, A.M., Ovasafyan, K.I. Two-photon interband absorption in a semiconductor wire under the quantum size effect 9—95721
Kazaryan, E.M. *see* Avetisyan, S.K. 9—95338
Kazaryan, E.M. *see* Dzhotyan, A.P. 9—78011
Kazaryan, M.A., Trofimov, A.N. Gas-discharge tubes for metal halide vapor lasers 9—64251
Kazaryan, M.A., Trofimov, A.N. Kinetics of metal salt vapor lasers 9—94222
Kazaryan, M.A. *see* Petrash, G.G. 9—98498
Kazaryan, M.A. *see* Zemskov, K.I. 9—98407
Kazaryan, R.A., Oganesyan, A.V. The statistics of photodetector current fluctuations on detection of radiation passing through a turbulent atmosphere 9—92591
Kazaryan, S.P. *see* Avakyan, V.V. 9—49564

Kazberuk, A.V., Karpushko, F.V., Sinitsyn, G.V. Nonlinear thin-film semiconductor interferometer for optical pulse shaping 9—89945

Kazdaev, Kh.R. *see* Akimchenko, I.P. 9—91136

Kazenin, D.A. *see* Gukhman, A.A. 9—93138

Kazennov, Yu.I., Krylov, E.A., Reviznikov, L.I., Amaev, A.D., Votinov, S.N., Bobylev, A.P., Vorob'ev, A.N., Lebedev, L.M. The effect of reactor irradiation on the mechanical properties of austenitic welded joints with various amounts of ferrite 9—83327

Kazerouni, M.A., Kappeler, F. A fast spherical avalanche fission detector with intrinsic α-discrimination 9—97945

Kazhdaev, M.A. *see* Semiletov, S.A. 9—95530

Kazhidub, A.V. *see* Abil'siitov, G. 9—94254

Kazhimekas, P.-V.A. Influence of turbulence of external flow of liquid on heat transfer in plate 9—81873

Kazhlaev, M.A., Rabadanov, R.A., Ataev, B.M., Shaikov, D.A., Adukov, A.D., Abduev, A.Kh. Influence of deposition conditions on the luminescence and electrical properties of epitaxial layers of ZnO 9—99924

Kazi, A.H. Experimental radiation transport to large distances from a bare reactor 9—59275

Kazi, M.H. Transmission, reflection and diffraction of Love waves in an infinite strip with a surface step 9—88260

Kazilin, E.E. *see* Abramyan, E.A. 9—91864

Kazimi, M.S., Autruffe, M.I. On the mechanism for hydrodynamic fragmentation 9—85650

Kazimi, M.S. *see* Greene, G.A. 9—49757, 9—85616

Kazimi, M.S. *see* Rothrock, R.A. 9—76084

Kazimirchik, Yu.A. *see* Beloshapka, N.I. 9—87781

Kazimirov, V.P., Batalin, G.I. Calculation of the energy of solution of liquid alloys 9—66330

Kazimirov, V.P., Batalin, G.I., Afanas'ev, I.B., Sokol'skii, V.E., Chebanenko, S.I. Studying structural peculiarities in vacuum condensates of silver 9—73412

Kazimirov, V.P., Shovskii, V.A., Batalin, G.I., Sokol'skii, V.E., Solovyan, A.M. The structure of some liquid Co-Ge alloys studied by X-ray diffraction 9—77493

Kazimirova, I.E. *see* Zhak, K.M. 9—57016

Kazimirovskiy, E.S., Kokourov, V.D. Winds in the mid-latitude lower thermosphere 9—53587

Kazinets, M.M. *see* Shafizade, R.B. 9—56078

Kazmerski, L.L. Grain boundary and interdiffusion studies in compound semiconductor thin films and devices utilizing Auger electron spectroscopy and secondary ion mass spectroscopy 9—77842

Kazmerski, L.L., Sheldon, P., Ireland, P.J. The effects of grain boundaries on the performance of thin film photovoltaic devices 9—83603

Kazmerski, L.L. *see* White, F.R. 9—56936, 9—78903

Kaz'min, S.A. *see* Bytenskii, L.I. 9—91172

Kaznacheeva, G.V. *see* Belov, A.D. 9—83312

Kazsoki, J. *see* Giber, J. 9—74037

Kazumata, Y. *see* Ueda, Y. 9—51838

Kazumura, M., Yamanaka, H., Teramoto, I. Thickness dependence of output power and response time of double-heterostructure LEDs 9—95479

Kazumura, M. *see* Teramoto, I. 9—99445

Kazurov, B.K. *see* Pakhomov, V.I. 9—99224

Kazzaz, S.El *see* El Kazzaz, S.

Ke Huang Sun *see* Sun Ke Huang

Ke-An Feng *see* Feng Ke-An

Ke-chang Jia *see* Jia Ke-chang

Ke-gong Zhao *see* Zhao Ke-gong

Ke-kung Chao *see* Chao Ke-kung

Ke-Liang Huang *see* Huang Ke-Liang

Ke-Long Li *see* Li Ke-Long

Ke-shun Deng *see* Deng Ke-shun

Ke-ting Hsia *see* Hsia Ke-ting

Ke-Xin Guo *see* Guo Ke-Xin

Kean, D.C. *see* Fewell, M.P. 9—67651

Keane, B., Henke, J. Medical applications: microprocessor-based EEG biofeedback training unit for epileptics 9—62403

Keane, D. *see* Angelini, C. 9—67548

Keane, J. *see* Bertsche, A. 9—72005

Keane, J.T. *see* Brodowski, J. 9—76155

Keane, W.F. *see* Shimasaki, H. 9—57723

Kear, B.H., Holiday, P.R., Cox, A.R. On the microstructure of rapidly solidified IN-100 powders 9—52195

Kear, B.H. *see* Greenwald, L.E. 9—70085

Kearney, D.W. Demonstration and commercial prototype Tokamak reactors 9—49855

Kearney, D.W. *see* Harder, C.R. 9—71968

Kearney, R.E. *see* Chan, C.W.Y. 9—96544

Kearns, F. *see* Ekstron, L.P. 9—59032

Kearns, F. *see* Mustaffa, O.M. 9—85402

Kearns, M. Measurement of the solar rotation, 1978, from recurrent and non-recurrent sunspots 9—84780

Kearns, W.J. *see* Silva, J.H. 9—81667

Kearns, W.J. *see* Slobodnik, A.J., Jr. 9—68493

Keating, P.N., Sawatari, T., Zilinskas, G. Signal processing in acoustic imaging 9—64403

Kebadze, B.V., Aleksandrov, K.A., Golovanov, V.V. Possibility of acoustically detecting the boiling of sodium in a fast reactor by means of a pulsed system 9—97839

Kebadze, B.V., Krasnoyarov, N.V., Adamovskii, L.A., Golushko, V.V., Sroelov, V.S. Correlation measurements of the sodium flow rate with the help of magnetic detectors 9—71924

Kebadze, B.V. *see* Adamovskii, L.A. 9—93761

Kebadze, B.V. *see* Afanas'ev, V.A. 9—89400, 9—97832

Kebbekus, J. Gas or electric heat pumps? 9—57438

Kebukawa, T. *see* Yamasaki, S. 9—71361, 9—71362

Kechin, V.V., Pavlyuchenko, Yu.M., Likhter, A.I., Utyuzh, A.N. Experimental dependence of the volume of solid normal hydrogen on pressure up to 30 kbar at a temperature of 77K 9—86832

Keck, D.B. *see* Morrow, A.J. 9—50426

Kecki, Z. *see* Kolodziejski, W. 9—65736

Kecs, W. On models of one dimensional linear viscoelastic solids 9—81740

Kecskemety, K. *see* Gombosi, T. 9—70935

Keda Bao *see* Bao Keda

Keddam, M. *see* Gabrielli, C. 9—83466

Kedem, O. *see* Tanny, G.B. 9—83510

Kedra, A.W. *see* Azancot, I. 9—70634

Kedves, F.J. *see* Beke, D.L. 9—95204

Kedves, F.J. *see* Erdelyi, G. 9—51313

Kedvesh, F.I. *see* Beke, D.L. 9—69282

Kedzia, K. *see* Sczaniecki, P.B. 9—87308

Kedzierski, M. Calibration of a deviation ballistic measuring method of magnetic properties 9—71498

Kee, C.W. *see* Godbee, H.W. 9—54585

Kee, D.D. *see* Carreau, P.J. 9—86391

Kee, D.De *see* De Kee, D.

Kee, F.J., Smith, J.E. Development of a reliable single-channel direct-digital reactor-control system 9—89458

Keefe, D. *see* Abbott, S. 9—76229

Keefe, D. *see* Faltens, A. 9—67982

Keefe, G.E. *see* Almasi, G.A. 9—78479

Keefe, G.E. *see* Lin, Y.S. 9—82846

Keefer, D.K. *see* Brabb, E.E. 9—88273

Keefer, D.K. *see* Harp, E.L. 9—88276

Keeler, P. Fiberoptic connection techniques 9—90035

Keeler, R.J. Computer simulation of a satellite-borne lidar for global wind measurements 9—58231

Keeling, C.D. *see* Lowe, D.C. 9—100931

Keem, J. *see* James, W.J. 9—78328

Keem, J.E. *see* Yelon, W.B. 9—55844

Keemink, C.J., van der Wildt, G.J., van Deursen, J.B.P. Microprocessor-controlled contrast sensitivity measurements 9—92327

Keen, B.E. *see* Landau, D.P. 9—78377

Keen, C.S., Lyons, W.A. Lake/land breeze circulations on the western shore of Lake Michigan 9—88445

Keenan, P.C., Bidelman, W.P. Variable calcium chloride absorption bands in WZ Cassiopeiae 9—88683

Keene, J. *see* Whitcomb, S.E. 9—53743

Keene, J. *see* Wright, E.L. 9—75267

Keepin, W.N. *see* Ali-Reza Hashemi-Attar 9—68220

Keer, H.V. *see* Patil, S.B. 9—65663

Keer, L.M. *see* Abe, H. 9—62491

Keer, L.M. *see* Mastrojannis, E.N. 9—72855

Keesee, A.M. *see* Connolly, T.F. 9—65988

Keesee, R.G., Lee, N., Castleman, A.W., Jr. Atmospheric negative ion hydration derived from laboratory results and comparison to rocket-borne measurements in the lower ionosphere 9—100909

Keesom, P.H. *see* Nagata, S. 9—69684

Keevallik, S. Radiative fluxes in a turbid medium above a reflecting surface 9—72498

Keffer, J.F. *see* Moum, J.N. 9—77208

Kegel, G.H.R. *see* Sullivan, N.B. 9—59058

Kegeles, L.S., Cohen, J.M. Constructive procedure for perturbations of spacetimes 9—58597

Keh, K. *see* Warner, R.D. 9—66933

Keh-Chang Chu *see* Scott, T.W. 9—83455, 9—99750

Kehler, P. Pulsed neutron measurement of single and two-phase liquid flow 9—50771

Kehler, P. Use of pulsed-neutron sources for flow measurements in reactor research 9—93695

Kehr, K.W. Theory of the diffusion of hydrogen in metals 9—82389

Kehr, K.W., Richter, D., Honig, G. Stochastic theory of spin depolarization of muons diffusing in the presence of traps 9—56682

Kehr, K.W., Richter, D., Schroeder, K. Influence of randomly distributed traps on the incoherent neutron scattering from diffusing hydrogen 9—60558

Kehr, K.W. *see* Lottner, V. 9—60550, 9—95208

Kehr, K.W. *see* Niinikoski, T.O. 9—56684

Kehs, R.A. *see* Bromborsky, A. 9—76235, 9—98928

Keifer, W. *see* Davis, D.D. 9—66430

Keil, D.G. *see* Donnelly, V.M. 9—89701

Keil, K. *see* Harlow, G.E. 9—66963

Keil, K. *see* Taylor, G.J. 9—92730

Keil, R., Auracher, F. Coupling of single-mode Ti-diffused $LiNbO_3$ waveguides to single-mode fibers 9—81547

Keiler, J.-A. *see* Pollakowski, G. 9—83482

Keilin, V.E., Kruglov, S.L., Lelekhov, S.A. The investigation of size effect in superconducting current carrying elements 9—61019

Keilin, V.E. *see* Anashkin, O.P. 9—73611

Keilin, V.E. *see* Chernoplyokov, N.A. 9—54600

Keilin, V.E. *see* Ivanov, D.P. 9—89498

Keilmann, F. *see* Grave, T. 9—51636

Keim, H.J., Johnson, P.M., Vaughan, E.D., Jr., Beg, K., Follett, D.A., Freeman, L.M., Laragh, J.H. Computer-assisted static/dynamic renal imaging. A screening test for renovascular hypertension? 9—79635

Keiner, I. *see* Huttenrauch, R. 9—73313

Keinonen, J. *see* Hellmeister, H.P. 9—80863

Keiper, A. *see* Bachert, H. 9—98364

Keiper, A. *see* Bachert, H.-J. 9—81455

Keiper, R. *see* Doan Nhat Quang 9—90982

Keirim-Markus, I.B. *see* Alekhin, I.A. 9—62374

Keiser, J.T. *see* Szycher, M. 9—92433

Keister, B.D., Kisslinger, L.S. A relativistic study of $pp \rightleftarrows d\pi^+$: forward scattering 9—97633

Keita, N.M., Steinemann, S. Sound velocity in liquid silicon 9—77684

Keith, T.W., Bench, R.J. Stapedial reflex in noenates 9—92236

Keith, W. *see* Allinger, J. 9—76203

Keizer, A.De *see* De Keizer, A.

Keizer, J. Maxwell-type constructions for multiple nonequilibrium steady states 9—88877

Keizer, W.P.M.N., Snieder, J., de Haan, C.D. Rain attenuation measurements at 94 GHz: comparison of theory and experiment 9—80000

Kejariwal, M. *see* Waldron, M.B. 9—96727

Kekalov, A.N. *see* Kutateladze, S.S. 9—98721

Kekelidze, V.D. *see* Birulev, V.K. 9—67547

Kekez, M.M., Makomaski, A.H. Beam re-entry into a laser-created plasma 9—55526

Kekoua, M.K. *see* Lukes, F. 9—83537

Kekuti, Sh.E. *see* Karchava, T.A. 9—90842

Kelber, J. *see* Massenet, O. 9—91214

Kel'divatov, A.F. Design of two-component telephoto lenses with a positive value of the Petzval sum SIV>0 9—71557

Keldysh, L.V. Coulomb interaction in thin films of semiconductors and semimetals 9—78027

Keldysh, L.V. Polaritons in thin semiconducting films 9—99491

Kelemen, F., Ardelean, I. Thermal conductivity of $xFe_2O_3.(1-x)[3B_2O_3.PbO]$ glasses 9—60561

Kelemen, S.R., Fischer, T.E. Interaction of H_2S with the Ru (001) surface 9—79292

Kelemen, S.R., Fischer, T.E. Interaction of H_2S with the Ru(001) surface 9—99420

Keler, E.K. *see* Panova, T.I. 9—83494

Kelha, V. *see* Stephenson, J.D. 9—82815

Kelha, V. *see* Tuomi, T. 9—87284

Kelham, S., Rosenberg, H.M. Phonon scattering and the linear specific heat term in epoxy-resins at low temperatures 9—65215

Keliher, P.N. *see* Zander, A.T. 9—98461

Kelkar, D. *see* Sequeira, R. 9—53473

Kelkar, V.K. *see* Chandra Singh, U. 9—81169

Kelkar, V.K. *see* Yakhmi, J.V. 9—90537

Kelkel, K. Parameter-excited vibrations of elastic rotors 9—90179

Kelker, D. *see* Cruden, D. 9—58103

Kelland, N.C. *see* Orme, G.R. 9—84222

Kellen, P.F., Mattsson, A.C., Ahouse, D.R., Yoder, M.J. Beam properties of a CO_2 continuous-wave electric discharge laser 9—76736

Kellen, P.F., Smith, M. Operating point choice in unstable confocal resonators 9—59727

Keller, A., Odell, J.A. A method for obtaining high modulus polyethylene from the melt: the influence of crystal nucleation 9—70034

Keller, A. *see* Stejny, J. 9—65004

Keller, D.M., Massey, R.E., Hileman, O.E., Jr. Studies on nucleation phenomena occurring in aqueous solutions supersaturated with calcium sulfate. II. The induction time 9—69042

Keller, E.Fox *see* Fox Keller, E.

Keller, F. Microstructure investigation with high resolution nuclear magnetic resonance of chlorinated polymers. V. Proposed partial structural analysis of the methane component of chlorinated polyethylene by ^{13}C nuclear magnetic resonance spectra 9—73110

Keller, F. Study of the microstructure of chlorine containing polymers by high resolution nuclear magnetic resonance (^1H- and ^{13}C-NMR). VII. Spectroscopic evidence by ^{13}C-NMR of the effect of adjacent groups in polyethylene chlorinated in solution 9—100366

Keller, F., Combet Farnoux, F. Photoionisation of Hg in the soft X-ray energy range 9—89653

Keller, H., Schwerdtfeger, K., Hennesen, K. Tracer diffusivity of Ca^{45} and electrical conductivity in CaO-SiO_2 melts 9—60532

Keller, H.B. *see* Cebeci, T. 9—68678

Keller, H.J., Moroni, W., Nothe, D. Magnetic properties of N-alkylated phenazine type radicals 9—73671

Keller, H.J. *see* Endres, H. 9—90636

Keller, H.-J. *see* Hagemann, U. 9—54382

Keller, J. Cluster methods to study the electonic structure of condensed matter 9—56105
Keller, J., Pisanty, A., Del Carmon De Teresa, M., Erbudak, M. Cluster method density of states for noble metals and comparison with photoemission spectra 9—60675
Keller, J., Schenck, A. μ^+ Knight shift in Be 9—56657
Keller, J. *see* Castro, M. 9—55005, 9—56658
Keller, J. *see* Erbudak, M. 9—65978, 9—78831
Keller, J. *see* Garritz, A. 9—85883
Keller, J. *see* Patterson, B.D. 9—56661
Keller, J.B. The ray theory of ship waves and the class of streamlined ships 9—59994
Keller, J.B. *see* Geer, J. 9—77205
Keller, J.-C. *see* Delsart, C. 9—76385
Keller, J.H., Pennebaker, W.B. Electrical properties of RF sputtering systems 9—87578
Keller, J.H., Simmons, R.G. Sputtering process model of deposition rate 9—87579
Keller, J.U. A general antisymmetry property of the constitutive equations of non-equilibrium thermodynamics 9—58663
Keller, K. Irregular operations in quantum field theory. I. Multiplication of distributions 9—54270
Keller, O. Phenomenological theory of dynamical light scattering from dielectric bulk waves in semi-infinite opaque crystals 9—69829
Keller, O. Stationary energy-transport velocity of light scattered dynamically from a bunched solid-state plasma 9—95720
Keller, R., Guntherodt, G., Holzapfel, W.B., Dietrich, M., Holtzberg, F. The effect of pressure on lattice parameter magnetic susceptibility and reflectivity of SmS 9—56272
Keller, R. *see* Amthauer, G. 9—73862
Keller, R.A., Engleman, R., Jr., Zalewski, E.F. Opto-galvanic spectroscopy in a uranium hollow cathode discharge 9—77437
Keller, R.A. *see* Baily, N.A. 9—62348
Keller, R.B. *see* Springer, G.S. 9—91111
Keller, R.W., Jr. *see* Wolfson, S.K., Jr. 9—74456
Keller, W. *see* Dooley, D.M. 9—79621
Keller, W. *see* John, W. 9—99468
Kellerer, A.M. *see* Hall, E.J. 9—62306
Kellerhals, J., Minari, F., Pichaud, B. On the origin of dislocations observed by X-ray topography during microdeformation tests on f.c.c. metals 9—82226
Kellerman, E.W. *see* Baruch, J.E.F. 9—59302
Kellermann, W. *see* Gnobloch, H. 9—92039
Kellermayer, M. *see* Remenyik, C.J. 9—62219
Kellert, F.G. *see* Beiting, E.J. 9—68271
Kelley, D.F., Barton, B.D., Zalotai, L., Rabinovitch, B.S. Dynamics of collisional relaxation of vibrational energy distributions in a thermal unimolecular system. Surface collisions 9—91926
Kelley, G.G. *see* Dyer, G.R. 9—64910
Kelley, J.L. *see* Chi, J.W.H. 9—85789
Kelley, J.L. *see* Varljen, T.C. 9—85788
Kelley, M.C. A review of electrostatic wave measurements on auroral magnetic field lines 9—88555
Kelley, M.C., Baker, K.D., Ulwick, J.C. Late time barium cloud striations and their possible relationship to equatorial spread F 9—75022
Kelley, M.C., Fejer, B.G., Gonzales, C.A. An explanation for anomalous equatorial ionospheric electric fields associated with a northward turning of the interplanetary magnetic field 9—70914
Kelley, M.C. *see* Burke, W.J. 9—62671
Kelley, M.J., Swartzfager, D.G., Sundaram, V.S. Surface segregation in the Ag-Au and Pt-Cu systems 9—82423
Kelley, M.J. *see* Johnstone, D.E. 9—100714
Kelley, P.L. Rate equations in stimulated light scattering 9—94291
Kelley, R.D., Rush, J.J., Madey, T.E. Vibrational spectroscopy of adsorbed species on nickel by neutron inelastic scattering 9—99408
Kelley, R.D. *see* Madey, T.E. 9—79290
Kellman, P. Detector integration acouto-optic signal processing 9—72519
Kellner, G. *see* Deutschmann, M. 9—85345
Kellner, G. *see* Givernaud, A. 9—58982
Kellogg, E. *see* Giacconi, R. 9—70941
Kellogg, E. *see* Wachter, K. 9—62752
Kellogg, G.L., Clausing, R.E. Surface analysis of field-ion samples exposed to the plasma of the impurities studies experiment (ISX-A) tokamak 9—98971
Kellogg, G.L., Panitz, J.A. The application of high-field surface analytical techniques to the study of plasma-wall interactions in PLT 9—68942
Kellogg, P.J., Monson, S.J. Radio emissions from the aurora 9—70906
Kellogg, P.J. *see* Filbert, P.C. 9—70939
Kellogg, T.F. *see* Major, M.A. 9—88153
Kellogg, W.K. *see* Ryoichi Seki 9—85559
Kells, W., McIntyre, P.M. Electron beam diagnostics in the Fermilab electron cooling experiment 9—72147
Kells, W. *see* Cline, D.B. 9—68004, 9—68005
Kells, W. *see* Herrmannsfeldt, W.B. 9—72138
Kelly, B. *see* Leadbetter, A.J. 9—86707
Kelly, B.A. *see* Leadbetter, A.J. 9—94896
Kelly, B.T. The effect of substitutional boron on irradiation damage in highly oriented pyrolytic graphite irradiated at 60°C 9—90702
Kelly, D.H., Wilson, H.R. Human flicker sensitivity: two stages of retinal diffusion 9—74657
Kelly, E.M. *see* Souers, P.C. 9—67947
Kelly, F.J., Saenz, A.W., Ubevall, H. Telecommunication by high-energy neutrino beams 9—76266
Kelly, F.M., Mathur, M.S. Lifetime of the $5p^2\ ^1D_2$ level of neutral strontium 9—63960
Kelly, F.M., Mathur, M.S. Density dependence of the Hanle effect of the $3s4p^1P_1{}^0$ level of neutral magnesium 9—72282
Kelly, G.N. The influence of physico-chemical form on the consequences of hypothetical accidental releases from FBRs 9—74574
Kelly, G.N. *see* Linsley, G.S. 9—74554
Kelly, H.P. Many body perturbation calculations of photoionization 9—59406
Kelly, H.P. *see* Carter, S.L. 9—63968
Kelly, H.P. *see* Faegri, K., Jr. 9—72368
Kelly, H.P. *see* Simons, R.L. 9—59376
Kelly, J.C. *see* Hinckley, S. 9—51149
Kelly, J.C. *see* Meakins, R.L. 9—79333
Kelly, M.A. *see* Kraft, L.M. 9—66489
Kelly, M.J. Energetics of the martensitic phase transition in sodium 9—99314
Kelly, M.J., Bullett, D.W. A calculation of the electronic structure of the amorphous $Pd_{80}Si_{20}$ system 9—87032
Kelly, M.J. *see* Bullett, D.W. 9—65974
Kelly, M.J. *see* Kuhaida, A.J., Jr. 9—87983
Kelly, P., Schmid, A., Braunlich, P. Optical breakdown in alkali halides—an addendum 9—95708
Kelly, P.B. *see* Bernheim, R.A. 9—81220
Kelly, P.M. *see* Chance, A. 9—92514
Kelly, P.S. Doppler beats or interference fringes? 9—62957
Kelly, R. *see* Auciello, O. 9—51170
Kelly, R.E. Teaching musical acoustics to the musician 9—71205
Kelly, R.E. *see* Iyer, P.A. 9—55384
Kelly, R.E. *see* Lyons, P.B. 9—50420
Kelly, R.E. *see* Valley, G.C. 9—94268
Kelly, R.L. Comment on $Z^*_1(1800)$ and spin-rotation parameter measurements 9—63523
Kelly, S.A. *see* White, T.W. 9—53117
Kelly, T.J. Pulsed YAG laser welding of ODS alloys 9—70075
Kelly, T.J., Stedman, D.H., Kok, G.L. Measurements of H_2O_2 and HNO_3 in rural air 9—79422
Kelly, W.J., Lippmann, R.P. Group-vote rules for adaptive psychophysical testing 9—100626
Kel'man, E.A. *see* Bevza, Yu.G. 9—91189
Kelner, G. *see* Phatak, S.B. 9—70188
Kelsey, D.P. *see* Corden, M.J. 9—75768, 9—75796
Kelsey, E.J. Electron scattering from hydrogen: collisions in which the total spin quantum numbers change 9—54969
Kelsey, E.J. Calculation of certain single-photon double-excitation amplitudes of high-Rydberg states in which long-range correlation effects dominate 9—72251
Kelsey, E.J., Rosenberg, L. Generalized low-frequency approximation for scattering in a laser field 9—58590
Kelso, J.A.S., Southward, D.L., Goodman, D. On the nature of human interlimb coordination 9—57636
Keltz, P.D. *see* Mitchell, R. 9—70627
Kelvin, D. *see* Singhal, R.P. 9—75900
Kel'zon, A.A. *see* Kel'zon, A.S. 9—81801
Kel'zon, A.S., Tsimanskii, Yu.P., Kel'zon, A.A. Dynamics of a ship propeller shaft 9—81801
Kem, A.Yu. *see* Fishtein, B.M. 9—66162
Kember, D., Chenery, D.H., Sheppard, N., Fell, J. Fourier-transform IR emission studies of weakly emitting overlayers on metal surfaces; experimental and spectral-ratioing procedures and the comparative use of room temperature triglycine sulphate and low-temperature mercury cadmium telluride detectors 9—67399
Kemenade, J.T.C.Van *see* Van Kemenade, J.T.C.
Kemeny, G. *see* Bresseleers, C. 9—57161
Kemeny, L.G. Monitoring and controlling the environmental impact of the nuclear fuel cycle 9—57504
Kemeny, T., Fogarassy, B., Arajs, S., Moyer, C.A. Heat-capacity studies of chromium-rich antiferromagnetic chromium-iron alloys 9—73750
Kemeny, T., Vincze, I., Fogarassy, B., Arajs, S. Structure and crystallization of Fe-B metallic glasses 9—94906
Kemeny, T. *see* New, D.A. 9—73484
Kemink, R.G. *see* Sparrow, E.M. 9—68812, 9—77255
Kemm, K.R., Spalding, D.R. The inhomogeneous clustering of radiation damage after neutron irradiation between 200°C and 400°C 9—73223
Kemmerer, C.T., Mills, R.H. Adhesion of thin films of evaporated titanium-copper after electroplating 9—82475
Kemmerer, G.E. *see* Karra, J.S. 9—99759
Kemmerer, R.R. *see* Hekbree, D.M. 9—100460
Kemmey, P.J. *see* Bent, G.D. 9—95363
Kemner, H. *see* Suchy, P. 9—97756
Kemnits, E.A. Analysis of the stress state of a load-bearing segmental wall of high-pressure vessels 9—64514
Kemp, A.L.W., Williams, J.D.H., Thomas, R.L., Gregory, M.L. Impact of man's activities on the chemical composition of the sediments of Lakes Superior and Huron 9—79419
Kemp, A.L.W. *see* Nriagu, J.O. 9—83644
Kemp, A.L.W. *see* Robbins, J.A. 9—66728
Kemp, C.M. *see* Ernst, W. 9—79542
Kemp, D., Peschardt, E., Vaughan, A. On-line Q measurement during phase displacement acceleration in the CERN ISR 9—72076
Kemp, D.P., Fussell, J.W. Evaluation of two narrowband speech algorithms 9—64450
Kemp, J.C., Arbabi, M., Klemola, A., Harlan, E., Harrington, R. SS 433 9—84801
Kemp, J.C., King, R., Parker, T.E., Johnson, P.E. V1500 Cygni: the 3.35-hour 1978 light curve and the question of a double period 9—67039
Kemp, J.C. *see* Horne, K. 9—80321
Kemp, J.C. *see* Johnson, P.E. 9—53767
Kemp, T.J. *see* Allsopp, S.R. 9—91978
Kemp, W. *see* Barton, S.S. 9—52404
Kemp, W.R.G. *see* Durieux, M. 9—63231
Kempa, J. *see* Wdowczyk, J. 9—80158
Kempa, K. *see* Steslicka, M. 9—60885
Kempa, Ya. *see* Levina, T.G. 9—96873
Kempen, H.van *see* van Kempen, H.
Kempen, H.Van *see* Van Kempen, H.
Kempen, P. *see* Meyer, J. 9—70628
Kemper, E. *see* Faulkner, J. 9—88674
Kemper, K.W., Zeller, A.F., Ophel, T.R., Hebbard, D.F., Hohnston, A., Weisser, D.C. Elastic and inelastic scattering of ^{6}Li and ^{7}Li by ^{54}Fe at E=36-50 MeV 9—59082
Kemper, K.W. *see* Cutler, R.I. 9—93857
Kemper, K.W. *see* Parks, L.A. 9—67773
Kemper, K.W. *see* Zeller, A.F. 9—75904
Kemper, M.J.H., van Dijk, J.M.F., Buck, H.M. Ab initio CI calculation of single vibronic level fluorescence emission spectra and absolute radiative lifetimes of $H_2CO(^1A_2)$ 9—63919
Kemper, M.J.N., van Dijk, J.M.F., Buck, H.M. Ab initio calculation on the photochemistry of formaldehyde. The search for a hydroxycarbene intermediate 9—61880
Kempf, J. *see* Brandeis, C. 9—77618
Kempken, M., Kohler, M., Wolff, M. Future plans for the design and construction of fast reactor power stations in the Federal Republic of Germany 9—97799
Kemple, M.D. *see* Hutchison, C.A., Jr. 9—94021
Kempter, V. *see* Speller, E. 9—76505
Ken Ichi Arai *see* Tsuya, N. 9—50993
Ken-chuen Feng *see* Feng Ken-chuen
Kenah, L. *see* Biel, J. 9—89309
Kendall, B.E. *see* Kingsley, D.P.E. 9—100702
Kendall, D.J.W., Clark, T.A. The pure rotational atmospheric lines of hydroxyl 9—92593
Kendall, D.L., Bartning, A.M. Surface concentration control of Zn in GaAs 9—55758
Kendall, D.R. *see* Callear, A.B. 9—76464
Kendall, E.J.M. *see* Albouelwafa, M.S.A. 9—75516
Kendall, H.W. *see* Cutts, D. 9—85346
Kendall, K. A fracture energy spectrometer for polymers 9—57181
Kendall, K. The connection between fracture energy and inelastic behaviour 9—60429
Kendall, P.C. Micropulsations and orthogonal curvilinear coordinates 9—80097
Kendrick, J. *see* Kuntz, P.J. 9—52637
Kendzera, A.V., Kosarev, G.L., Savarenskii, E.F. Determination of true Earth tremor velocities from seismograms 9—96743
Kenefic, R., Nuttall, A., Weiner, D. A Volterra functional expansion for the logarithm of the likelihood ratio for detection of a memoryless nonlinear functional of a random process in Gaussian white noise 9—86296
Kenefick, R.A. Report on EBIS development at Texas A&M 9—54678
Kenig, K.E. Computer-aided methods for simulation of nonstationary flow distribution modes in pipeline systems (a survey) 9—94717
Kenik, E.A. *see* Lee, E.H. 9—78972
Kenkel, J.V. *see* Mansfeld, F. 9—100281
Ken'ko, V.M. *see* Sviridenok, A.I. 9—57040
Kenkre, V.M. Relaxation time approximation in the presence of capture processes involving real probability depletion 9—58656
Kenkre, V.M. *see* Seshadri, V. 9—63928
Kennard, C.H.L., Bretherton, L. Teaching aids illustrating the concept of Miller index 9—84910
Kennard, C.H.L. *see* Eggins, R.G. 9—49216, 9—51014
Kennard, O. *see* Viswamitra, M.A. 9—57569
Kennedy, A. Communicating by light 9—72676
Kennedy, D.A. Investigation of some accidents involving laboratory instrumentation 9—80594
Kennedy, D.L. *see* Bolotin, H.H. 9—63630
Kennedy, E.F., Lau, S.S., Golecki, I., Mayer, J.W., Tseng, W., Minnucci, J.A., Kirkpatrick, A.R. Pulsed electron beam annealing of ion implanted Si layers 9—51152

Kennedy, E.F., Lau, S.S., Golecki, I., Mayer, J.W., Tseng, W., Minnucci, J.A., Kirkpatrick, A.R. Pulsed electron beam annealing of ion implanted Si layers 9—69134
Kennedy, E.F. *see* Golecki, I. 9—77952
Kennedy, E.F. *see* Lau, S.S. 9—69374
Kennedy, G.C. *see* Gerlich, D. 9—83248, 9—96058
Kennedy, G.C. *see* Mirwald, P.W. 9—56529
Kennedy, G.C. *see* Ramakrishnan, J. 9—60467
Kennedy, J.H., Ishida, H., Staikoff, L.S., Lewis, C.W. Correlation of infrared spectroscopy with platelet morphology in blood compatibility studies of polydimethylsiloxane membranes 9—53279
Kennedy, J.H. *see* Akridge, J.R. 9—87471
Kennedy, J.M. *see* Ash, J.E. 9—54551
Kennedy, J.M. *see* Hakim, S.J. 9—85667
Kennedy, M. World oil resources and future oil supplies 9—79369
Kennedy, M.F. *see* Henry, T.P. 9—49754
Kennedy, R. *see* Bloor, D. 9—73922
Kennedy, R.C. *see* Fox, K. 9—72363
Kennedy, R.C. *see* Lucht, R.A. 9—76475
Kennedy, S. Advances in oscilloscope photography 9—93247
Kennedy, T.C. *see* Senseny, P.E. 9—83407
Kennedy, W. *see* Gorman, D.G. 9—55334
Kennedy, W.K. Plans and prospects for solar energy utilisation in Malawi 9—57379
Kennel, C.F., Lanzerotti, L.J., Parker, E.N. Solar system plasma physics, vol.II. Magnetospheres 9—84696
Kennel, C.F. *see* Ashour-Abdalla, M. 9—88544
Kennel, C.F. *see* Gayer, S. 9—49130
Kennel, C.F. *see* Kurth, W.S. 9—84590
Kennel, C.F., Lanzerotti, L.J., Parker, E.N. *(editor)* Solar system plasma physics, vol.II. Magnetospheres 9—84696
Kennel, C.F. *see* Lanzerotti, L.J. *(editor)* 9—84625
Kennel, C.F. *see* Parker, E.N. *(editor)* 9—84782
Kennepohl, K. *see* Brautigam, W. 9—54711
Kennepohl, K. *see* Stein, G. 9—85687
Kennett, B.L.N. Ray theoretical inverse methods in geophysics 9—53578
Kennett, F.L.N., Kerry, N.J. Seismic waves in a stratified half space 9—66641
Kennett, T.J. *see* Ramanathan, N. 9—49618
Kenney, B.C. Lake surface fluctuations and the mass flow through the Narrows of Lake Winnipeg 9—57982
Kenney, E.S. *see* Pandey, S. 9—93888
Kenney, J.E. *see* Walsh, E.J. 9—80063
Kenney, V.P. *see* Biswas, N.N. 9—63556
Kenney, V.P. *see* Polychronakos, V.A. 9—49539
Kenning, D.B.R. *see* Eddington, R.I. 9—94702
Kennon, N.F., Burgess, P.B. The second state of tempering 9—61627
Kenny, M.J. *see* Stelts, M.L. 9—54440
Kent, D.M., Vitek, R. Quantitation and correlation [radial chromatography] 9—57320
Kent, D.S. *see* Kirley, J.R. 9—56412
Kent, L.A. *see* Smaardyk, J.E. 9—93787
Kent, P.M. *see* Jonas, P.R. 9—64810
Kent, S.M. An SIT vidicon detector system for the Palomar 1.5-meter telescope 9—92674
Kent, S.M., Sargent, W.L.W. Ionization and excitation mechanisms in the filaments around NGC 1275 9—71107
Kent Sorrell, R. *see* Meyers, M.L. 9—61429
Kentzer, Cz.P. Generalization of the concept of Riemann invariants for multidimensional gasdynamics 9—68735
Kenue, S.K., Greenleaf, J.F. High speed convolving kernels for CT having triangular spectra and/or binary values 9—66515
Kenward, M. The fusion path to energy sufficiency 9—81090
Kenway, P. *see* Bance, U.R. 9—63259
Kenyon, D.E. Consolidation in transversely isotropic solids 9—64502
Kenyon, I.R. *see* Corden, M.J. 9—75796
Kenyon, K.E. The shallow salinity minimum of the eastern North Pacific in winter 9—79861
Kenyon, S., Starrfield, S. On the structure of Bok globules 9—84845
Kenyon, S.J. *see* Aannestad, P.A. 9—71087
Kenzhaev, K., Shem'i-zade, V.E. Interatomic potentials of alkali metals 9—68294
Keogh, G.P. *see* Bush, A.W. 9—91805
Keondzhyan, V.P., Monin, A.S. Continental drift and large-scale wandering of the Earth's pole 9—79719
Keowsim, T. *see* Chee, K.T. 9—83034
Kepa, R. The analysis of the Herzberg system in the $^{12}C^{16}O$ molecules 9—59423
Kephart, J.E. *see* Honeycutt, R.K. 9—62743
Kephart, R.D. *see* Andrews, R.A. 9—67990
Kephart, R.D. *see* Jostlein, H. 9—89310
Kephart, R.D. *see* Sessoms, A.L. 9—63870
Kepka, J.B., Czaputowicz, E.W. Analysis of some results on Pd-H and Ni-H systems studied in high-pressure-hydrogen conditions 9—69254
Kepka, M. Influence of the deoxidation with rare earth metals on the form of nonmetallic inclusions and the mechanical properties of creep-resistant chromium-molybdenum-vanadium cast steel grades 9—66067
Kepple, P.C. *see* Griem, H.R. 9—82048
Keppler, E. *see* Richter, A.K. 9—75045
Keppner, W. *see* Heubes, P. 9—56629
Kepron, W. *see* Antonissen, L.A. 9—100648
Keprt, J., Hrabovsky, M., Vejbor, P., Halaxova, Z. Evaluation of deformations in holographic interferometry 9—72534
Keramidas, G.A., Ting, E.C. Variational formulations for heat conduction problems 9—55309
Kerans, R.J., Simpson, H.M. Amplitude dependence of dislocation damping in high-purity copper after quenching and during 1-MeV electron irradiation 9—95023
Kerashvili, L.M., Loladze, Ts.D., Tsintsadze, N.L. Parametric resonance in a weakly turbulent relativistic electron plasma 9—55539
Kerbauy, G.B., Hell, K.G. Effect of gamma radiation on the in vitro growth of excised pith cells of Nicotiana tabacum L. cv IAC-70 9—92295
Kerber, R.L., Jaul, W.K. Kinetic mechanisms in a 16 μm CO_2 laser 9—98338
Kerbikov, B.O. The energy displacement in the ground state of the proton-antiproton atom 9—89813
Kerby, R.C. *see* Mackinnon, D.J. 9—56090, 9—56091
Kercan, V., Bizjac, Lj. Errors in measuring the characteristic parameters of water turbines 9—63186
Kerek, A. *see* de Voigt, M.J.A. 9—93549
Keren Wang *see* Wang Keren
Kereselidze, T.M., Chibisov, M.I. Two-electron exchange interaction of an atom with an ion 9—59565
Kereslidze, T.M. *see* Kikiani, B.I. 9—76512
Kerichenko, Y.A. *see* Verkin, B.I. 9—59907
Kerimov, B.K., Safin, M.Ya., Al-Hamis, I.M. On the second-order static correction to the cross section for elastic scattering of electrons by nuclei having finite dimensions 9—75976
Kerimov, O.M. *see* Danilychev, V.A. 9—59779
Kerimov, T.M., Kosaganova, N.Yu., Ruuge, E.K. Interaction of a spin-labelled ATP analogue with myosin 9—57563
Kerk, L. *see* Rentsch, I. 9—92333
Kerker, G.P. *see* Zunger, A. 9—95319
Kerker, M. Resonances in electromagnetic scattering by objects with negative absorption 9—64178
Kerker, M., Druger, S.D. Raman and fluorescent scattering by molecules embedded in spheres with radii up to several multiples of the wavelength 9—64177
Kerker, M., Scheiner, P., Cooke, D.D., Kratohvil, J.P. Absorption index and color of colloidal hematite 9—92009
Kerker, M. *see* Chew, H. 9—98264
Kerker, M. *see* Dusel, P.W. 9—50221
Kerker, M. *see* McNulty, P.J. 9—76587
Kerkow, H. *see* Kudella, F. 9—73234
Kerl, K. Computation of Fourier interferograms. I. Undispersive two-beam interferograms for black-body radiation 9—97423
Kerl, K. Computation of Fourier interferograms. II. Dispersive two-beam interferogram for Cauchy's dispersion law 9—97424
Kerl, R.J. *see* Patel, C.K.N. 9—93982
Kerlick, G.D. *see* Flaherty, F.J. 9—71330
Kerlin, T.W., Miller, L.F., Hashemian, H.M. In-situ response time testing of platinum resistance thermometers [nuclear power plant safety systems] 9—93743
Kerlin, T.W. *see* Hashemian, H.M. 9—59219
Kerlin, T.W. *see* Upadhyaya, B.R. 9—59216, 9—93742
Kerman, A. *see* Jackiw, R. 9—63359
Kerman, A. *see* Smilanski, I. 9—81453
Kerman, A.K. *see* Dietrich, F.S. 9—80936
Kermani, M., Scully, J.C. The effect of strain-rate upon stress corrosion crack velocity in α-brass in ammoniacal solutions 9—91830
Kermani, M., Scully, J.C. The role of the tarnish film in the stress corrosion crack propagation process in α-brass in neutral ammoniacal solutions 9—96183
Kermode, M.W., McKerrell, A. On the potential reconciliation of the n-p $^3S_1$-$^3D_1$ and $^3D_2$ phase parameters and the quadrupole moment of the deuteron 9—67575
Kermode, N.W., McKerrell, A. Thermal n-p radiative capture 9—67583
Kern, B.D. *see* Miracle, D.E. 9—63625
Kern, C.D. *see* Pepper, D.W. 9—83662
Kern, E.A. *see* Cobb, D.D. 9—85600, 9—85611
Kern, H., Richter, A. Compressional and shear wave velocities at high temperature and confining pressure in basalts from the Faeroe Islands 9—84244
Kern, J. *see* Ionescu, V. 9—76261
Kern, K. *see* Fischer, Th. 9—75782
Kern, K. *see* Hurster, W. 9—67571, 9—75784
Kern, K. *see* Kleinschmidt, M. 9—75785
Kern, R., Bergmann, H.W. A simple way for calculation ODF from incomplete pole figures 9—87816
Kern, R. *see* Bertucci, M. 9—90882
Kern, R. *see* Metois, J.J. 9—77955
Kern, R.W. *see* Jackson, R.N. 9—75586
Kern, W., Schnable, G.L. Low-pressure chemical vapor deposition for very large-scale integration processing—a review 9—87581
Kernahan, J.A., Pinnington, E.H., O'Neill, J.A., Brooks, R.L., Donnelly, K.E. Radiative lifetime measurements in Al II-VII 9—49986
Kernahan, J.A. *see* Pinnington, E.H. 9—93964
Kernan, A. *see* Giboni, K.L. 9—89204
Kernel, G. *see* Bos, K. 9—85531
Kerner, E.H. A greater-than-grand ensemble 9—75448
Kerner, M.N. *see* Ordzhonikidze, K.G. 9—49332
Kerner, R. Energy levels of the magnetic monopole in the Prasad-Sommerfield limit 9—54268
Kerner-Czeskleba, H. Phase equilibria in the Nd_2O_3-MoO_2-MoO_3 system 9—52176
Kerner-Czeskleba, H. *see* Cros, B. 9—99162
Kernevez, J.P., Joly, G., Duban, M.C., Bunow, B., Thomas, D. Hysteresis, oscillations, and pattern formation in realistic immobilized enzyme systems 9—62173
Kerns, A.J., Polk, D.E., Ray, R., Giessen, B.C. Thermal behaviour of Zr-Cu metallic glasses 9—52747
Kerns, Q.A., May, M.P., Miller, H.W., Reid, J.S. 30-53 MHz super cavities for 10-GeV acceleration in the Fermilab Booster Ring 9—68058
Keroulas, F.de *see* de Keroulas, F.
Kerps, D. *see* Engelmann, R.W.H. 9—98361
Kerr, A.D. On the unbonded contact between elastic and elastic-rigid media 9—98670
Kerr, A.R. *see* Hong-Ih Cong 9—53718
Kerr, C.L., Blumberg, A.F. An analysis of a local second-moment conserving quasi-lagrangian scheme for solving the advection equation 9—72871
Kerr, E.C. *see* Anderson, J.L. 9—85783
Kerr, H.T. *see* Bierman, S.R. 9—59162
Kerr, J.R. *see* Holmes, J.F. 9—66803
Kerr, R.P., Wilson, W.B. Singularities in the Kerr-Schild metrics 9—80477
Kerr, S.A. *see* Spyrou, N.M. 9—88217
Kerr, W. *see* Grimm, K.N. 9—49787
Kerr, W.C. Computer simulation of structural phase transitions 9—77721
Kerr, W.C. Analysis of structural phase transitions by computer simulation 9—86865
Kerrich, R., Allison, I. Vein geometry and hydrostatics during Yellowknife mineralisation 9—57920
Kerrich, R. *see* Allison, I. 9—79831
Kerridge, J.F., MacDougall, J.D., Carlson, J. Iron-nickel sulfides in the Murchison Meteorite and their relationship to phase Q1 9—58303
Kerridge, J.F., Macdougall, J.D., Marti, K. Clues to the origin of sulfide minerals in CI chondrites 9—80282
Kerrisk, J.F., Petty, R.L., DeMuth, N.S., Latimer, T.W. Wire wrap-cladding mechanical interaction in sodium-bonded elements 9—93734
Kerry, J.A. X-ray tubes—a guide to their operation 9—49350
Kerry, K. *see* Matsubaya, O. 9—74911
Kerry, N.J. *see* Kennett, F.L.N. 9—66641
Kerscher, K.G. Application of digital process control systems for heat treatments in the steel industry 9—74166
Kerschgens, M., Pilz, U., Raschke, E. A modified two-stream approximation for computations of the solar radiation budget in a cloudy atmosphere 9—58090
Kerschgens, M. *see* Jung, H.J. 9—53520
Kershaw, R. *see* Merchant, P. 9—56262
Kershengol'ts, I.M. *see* D'yakonov, M.N. 9—80151
Kershengol'ts, I.M. *see* Krasil'nikov, D.D. 9—80115
Kershtein, I.M. *see* Zezin, Yu.P. 9—57108
Kersteen, G.C. Fuel accountability and control at Combustion Engineering Inc. [nuclear material safety] 9—85749
Kersten, R. *see* Auracher, F. 9—76845
Kersten, R. *see* Bruno, R. 9—57461, 9—61951
Kersten, R. *see* Hermann, W. 9—62051
Kersten, R.T. *see* Kartzow, M. 9—59846
Kersting, F. *see* Lollgen, H. 9—83965
Kerszberg, M., Mukamel, D. Crossover from first-order to continuous phase transition induced by symmetry-breaking fields 9—82312
Kerszberg, M., Mukamel, D., Rohrer, H., Thomas, H. Novel multicritical points of 'weak metamagnets' 9—78398
Kert, B.E. A scheme of fractional steps for a non-steady internal conjugate problem of heat transfer in flow of an incompressible liquid with variable thermophysical properties 9—90254
Kertesz, G., Jr. *see* Vago, G. 9—87568
Kertesz, J. Effective-field approach to transverse correlations in simple liquids 9—82135
Kertesz, K. *see* Lazar, K. 9—66355
Kertesz, L., Lenart, C., Kovacs-Treer, M. DTA studies in the Al-Mg-Si alloys. III 9—52248
Kertesz, M., Koller, J., Azman, A. Ferromagnetic state of a model chain system 9—56483
Kertesz, M., Koller, J., Azman, A. Numerical calculation of localized (Wannier) functions from ab-initio Hartree-Fock wave functions 9—60671
Kertesz, M., Koller, J., Azman, A. Different orbitals for different spins for solids: fully variational ab initio studies on hydrogen and carbon atomic chains, polyene, and poly(sulphur nitride) 9—69392

Kertesz, M., Koller, J., Jagodic, F., Azman, A. Deuteron quadrupole coupling constant in a hydrogen fluoride chain 9—49963
Kerth, L.T. *see* Clark, A.R. 9—75779
Kertsman, E.L. *see* Berlin, A.A. 9—65461
Kervalishvili, P.D. *see* Borodovskii, Ya.A. 9—51598
Kervalishvili, P.D. *see* Goncharov, L.A. 9—95042, 9—95043
Kerwawycz, J.P. *see* Tomozawa, M. 9—87452
Kes, P.H. *see* van der May, G.P. 9—56601
Kes, P.H. *see* Van der Veeken, J.P.M. 9—56385
Kesamanly, F.P. *see* Kasatkin, V.A. 9—52015
Kesavan, H.K. *see* Madan, V.K. 9—68345
Kesavan, H.K. *see* Savage, G.J. 9—67165
Kesavan, P.C. *see* Srinivasan, A. 9—100679
Kesharwani, K.M. Localized phonons due to substitutional impurities in dilute copper alloys 9—77711
Keshavan, M.K. *see* Conrad, H. 9—66142
Keshishev, K.O., Parshin, A.Ya., Babkin, A.V. Experimental detection of crystallization waves in ^{4}He 9—90844
Keshishian, V. Fuel failure monitoring system for CRBRP 9—93795
Kesik, J., Wolinski, W. The effect of axial magnetic field on the loss increase of argon laser resonator 9—76716
Kesik, J., Wolinski, W. 'Negative' rotation of polarization plane of argon ion laser radiation 9—98424
Kesil'man, E.Sh., Klimenko, V.V., Kirshanskii, N.P., Marchenko, O.D., Prokop'ev, S.I., Romashchenko, Yu.A., Tikhonov, I.G., Shafer, Yu.G. Preliminary results of measurements of fluxes of charged particles on a geostationary orbit 9—80082
Keski-Rahkonen, O. *see* Ahopelto, J. 9—85922
Keskinen, K. *see* Jen-Shih Chang 9—86613
Keskinen, M.J., Sudan, R.N., Ferch, R.L. Temporal and spatial power spectrum studies of numerical simulations of type II gradient drift irregularities in the equatorial electrojet 9—75016
Keskkula, H. Factors influencing rubber phase morphology in polystyrene 9—94925
Keskkula, H. Phase separation in polybutadiene-polystyrene systems 9—94926
Kesler, M.G., Ik Lee, B., Sandler, S.I. A third parameter for use in generalized thermodynamic correlations 9—95184
Kesler, S.E. *see* Jones, L.M. 9—57927
Kesler, Ya.A., Kovaliv, V.I., Tret'yakov, Yu.D., Gordeev, I.V. Thermochemical investigation of some thiospinels 9—52737
Kesler, Ya.A. *see* Rozantsev, A.V. 9—86904
Kesler, Ya.A. *see* Tret'yakov, Yu.D. 9—86905
Kesler, Ya.A. *see* Zygan, V.N. 9—95166
Kesmodel, L.L., Dubois, L.H., Somorjai, G.A. LEED analysis of acetylene and ethylidyne formation 9—57291
Kessel', A.R. *see* Zel'dovich, S.A. 9—69747
Kessel, A.T.Van *see* Van Kessel, A.T.
Kesselring, P. The evaluation of the net heat output of solar domestic water installations on the Swiss central plateau 9—100498
Kessenikh, G.G., Shuvalov, L.A. Transverse-transverse elastic-polarization waves in piezoelectric crystals of classes 422 and 622 9—95077
Kessler, A., Ebert, K. A thermal stimulated current investigation of the polarization of NH_4CL 9—78618
Kessler, E.G., Jr. *see* Deslattes, R.D. 9—76378
Kessler, G. *see* Guthmann, E. 9—97891
Kessler, G. *see* Hennies, H.H. 9—71895
Kessler, G. *see* Kulcinski, G.L. 9—59114
Kessler, G. *see* Peters, P.C. 9—71190
Kessler, H. *see* Chastagner, F. 9—68978
Kessler, J. *see* Benndorf, C. 9—90879
Kessler, J. *see* Heinzmann, U. 9—72289
Kessler, J. *see* Kaminski, H. 9—72286
Kessler, J.E., Vincent, S.M., Riley, J.E., Jr. A micro co-precipitation technique for use in X-ray fluorescence analysis 9—57339
Kessler, L.W., Yuhas, D.E. Listen to structural difference [acoustic microscopy] 9—55279
Kessler, L.W., Yuhas, D.E. Acoustic microscopy—1979 9—64461
Kessler, P.D., Marchbanks, R.M. Choline transport is not coupled to acetylcholine synthesis 9—70544
Kessler, Yu.M. *see* Kir'yanov, V.A. 9—91966
Kestenboim, Kh.S., Shurinov, A.I. Peculiarities in reflection of an explosion wave from a plane 9—90281
Kestigian, M., Smith, A.B., Bekebrede, W.R. Past, present and future small-bubble-diameter magnetic memory materials 9—78458
Kestigian, M. *see* Bekebrede, W.R. 9—82845
Kestin, J. *see* Abe, V. 9—90363
Kestin, J. *see* Abe, Y. 9—86550
Kestin, J. *see* Clifford, A.A. 9—86551
Kestin, J. *see* Correia, R.J. 9—82370
Kestin, J. *see* Goncalves, F.A. 9—77792
Kestin, J. *see* Khalifa, H.E. 9—86328
Kestner, M.O. Effect of a glow discharge on the wear of metals in sliding contact 9—83333
Ketel, T.J., Vervaet, E.A.Z.M., Verheul, H. Half-life, g-factor and relaxation of the nuclear orientation of the isomeric $11/2^-$ state in ^{139}Pr 9—75837
Ketel, T.J. *see* Bertini, R. 9—63623, 9—85565
Ketis, B.-P. Acoustoelectric interaction ininhomogeneous semiconductors 9—95453
Ketkovich, A.A. *see* Gerasimov, V.F. 9—79216
Ketov, A.I. *see* Zimin, V.D. 9—77092
Ketov, S.N. *see* Borovoi, A.A. 9—80822
Kets, F.B. *see* Westerveld, W.B. 9—86071
Ketsle, G.A. *see* Bryukhanov, V.V. 9—54896, 9—56847, 9—99931
Kettani, M.Ali *see* Ali Kettani, M.
Kettenacker, W.C., Lang, F.D. Method for power plant performance evaluations 9—67831
Ketterson, J. *see* Schuller, I. 9—95515
Ketterson, J.B. *see* Bastuscheck, C.M. 9—63219
Ketterson, J.B. *see* Bhattacharya, S. 9—55828, 9—55829
Ketterson, J.B. *see* Crabtree, G.W. 9—65363, 9—73425
Ketterson, J.B. *see* Roach, P.R. 9—60589
Ketterson, J.B. *see* Benneman, K.H. *(editor)* 9—99377
Kettle, P. *see* Hurster, W. 9—67571
Kettle, R. *see* Fischer, Th. 9—75782
Kettle, R. *see* Hurster, W. 9—75784
Kettle, R. *see* Kleinschmidt, M. 9—75785
Kettner, K.U. *see* Hammer, J.W. 9—54736
Kettschau, A. *see* Weyer, G. 9—51891
Keun Bae Oh *see* Chang Hyun Chung 9—76060
Keun Park Joong *see* Joong Keun Park
Keung, W.Y. *see* Barger, V. 9—93429
Keusseyen, R.L., Hu, C.P., Li, C.Y. Creep damage in Zircaloy-4 at LWR temperatures 9—52312
Keuster, D.De *see* De Keuster, D.
Keutner, H. A digital computer program for the control of a standard pressurised water reactor 9—59249
Keutner, H. A computer program for accident calculations of a standard pressurized water reactor 9—85623
Kevan, L., Narayana, P.A., Toriyama, K., Iwasaki, M. General matrix ENDOR line shape model applied to the methyl radical in lithium acetate dihydrate using single crystal data 9—73853
Kevan, L. *see* Dolivo, G. 9—65903, 9—74405, 9—83476
Kevan, L. *see* Ichikawa, T. 9—88991
Kevan, L. *see* Michalik, J. 9—57260
Kevan, S.D. *see* Wehner, P.S. 9—95316
Keveh, M. *see* Weger, M. 9—87088
Kevelaitiene, B. *see* Zilionis, S. 9—70008
Kevles, D.J. Robert A. Millikan 9—62985
Kevorkov, A.M. *see* Karpov, I.I. 9—78719
Kevrolev, V.V. *see* Shmelev, A.N. 9—59166
Kewisch, J. *see* Frese, H. 9—72083
Kewley, D.J., Post, K. Photochmeical ozone formation in the Sydney airshed 9—62553
Key, A.W. *see* Goddard, M.C. 9—49544
Key, M.H., Lamb, M.J., Lewis, C.L.S., Moore, A., Evans, R.G. X-ray streak-camera study of the dynamics of laser-imploded microballoons 9—68937
Key, M.H. *see* Hares, J.D. 9—55528
Key, S.W., Krieg, R.D., Bathe, K.-J. On the application of the finite element method to metal forming processes. I 9—50606
Key Kwon Young *see* Kwon Young Key
Key **Soon Lee,** Won Koo Park Effect of hydrogen on the mechanical properties of Zircaloy-4 9—70123
Keyes, P.H., Daniels, W.B. The nematic-isotropic transition at high pressures. I. The P-V-T equation of state 9—95135
Keyes, P.H., Yang, C.C. Dynamics of the isotropic-cholesteric transition: differences between the normal and blue cholesteric phases 9—95134
Keyes, T. Depolarized light scattering by simple liquids 9—82987
Keyes, T., Ladanyi, B.M. The relation of the Kerr effect to depolarized Rayleigh scattering 9—72321
Keyes, T., Ladanyi, B.M. Rotational diffusion in solvents with large characteristic lengths 9—73329
Keyes, T., Ladanyi, B.M. Light scattering from two component systems; an analysis of the dilution experiment 9—89850
Keyes, T., Ladanyi, B.M., Madden, P.A. Is depolarized light scattered from simple liquids mainly double-scattered? 9—87410
Keyes, T., Pratt, S. The relation of percolation to energy migration dynamics 9—85085
Keyes, T. *see* Ladanyi, B.M. 9—76471
Keyes, W.I. Current status of single photon emission computerised tomography 9—66526
Keyes, W.I. *see* McGovern, J.M. 9—92330
Keyes, W.I. *see* Rowe, R.W. 9—66529
Keyne, J. *see* Binnie, D.M. 9—54343
Keyne, J. *see* Karami, H. 9—75789
Keynes, R.D. Ion channels in the nerve-cell membrane 9—74644
Keys, J.G., Johnston, P.V. Radio aurora dynamics as seen by Doppler radar 9—62639
Keys, W.S., Shuter, E., Wolff, R.G., Bredehoeft, J.D., Healy, J.H. In-situ stress measurements near the San Andreas Fault in central California 9—79767
Keyser, G.M. *see* Mannik, L. 9—94095
Keyser, R., Koutchouk, J.-P., Parker, C.R.C.B., Pett, J., Wolstenholme, P. Plans for the LEP control system 9—72050
Keyser, R. *see* Ciapala, E. 9—72213
Kfouri, A.P. Crack separation energy rates for the DBCS model under biaxial modes of loading 9—81814
Khabakhpashev, M.A. *see* Savchenko, M.A. 9—82773
Khabarin, L.V. *see* Mamyrin, B.A. 9—86080
Khabarov, E.N. *see* Semikolenova, N.A. 9—69412
Khabazin, Yu.G. *see* Pokhotelov, O.A. 9—55490
Khabenskii, V.V. *see* Kvetnyi, M.A. 9—68816
Khabib, R.I. The problem of viscoelastic beam torsion with the account of accumulated injury influence 9—94512
Khabliev, S.Z. *see* L'vova, E.A. 9—74152
Khachatryan, A.A. *see* Arakelyan, M.M. 9—76904
Khachatryan, B.V. *see* Avetisyan, G.K. 9—55039
Khachaturov, A.S. *see* Lein, B.I. 9—65011
Khachaturova, G.T. *see* Nurmukhametov, R.N. 9—85981
Khachaturyan, A.G. *see* Sheree Chen 9—96029
Khachaturyan, M.N. *see* Astvatsaturov, R.G. 9—76259
Khachikyan, E.E. *see* Esipov, V.F. 9—88735
Khachin, V.N. *see* Gyunter, V.E. 9—61652
Khadakkar, A.G., Narayanan, R., Iyer, N.R. Deflection measurement of a cantilever plate by holographic interferometry 9—94568
Khadyev, M.S. *see* Korshunov, L.G. 9—96152
Khadzhiev, R.R., Epshtein, G.N. Annealing of iron deformed by rolling and explosive forming 9—100166
Khadzhiiski, N.G. *see* Meisner, L.B. 9—94282
Khadzhikov, L., Simeonova, K. Experimental investigation of the stability of a circular cylindrical shell in conditions of vibrational creep 9—64536
Khaenko, B.V. Phase transitions in Me_2X-type carbides and nitrides of groups V and VI metals 9—70051
Khaenko, B.V. X-ray study of the crystal structure of carbide V_2C rhombic modification 9—77564
Khaenko, B.V., Fak, V.G. Ordering and phase equilibrium processes in the systems V-C and V-N 9—99311
Khaenko, B.V. *see* Arbuzov, M.P. 9—51063
Khaidarov, R.A. *see* Muminov, V.A. 9—100474
Khaikhler, V. *see* Geguzin, Ya.E. 9—73164
Khaikhler, V. *see* Kononenko, V.G. 9—86896
Khaikin, M.S. Cinematographic investigation of bubblons in superfluid helium 9—65272
Khaikin, M.S. *see* Troyanovskii, A.M. 9—60893
Khailov, M.A. Towards the calculation of heat transmission through a wall with lugs 9—50570
Khaimov-Mal'kov, V.Ya. *see* Bessonova, T.S. 9—56820
Khaimov-Mal'kov, V.Ya. *see* Zhizheiko, I.A. 9—95003
Khaimova, A.G. *see* Kurbanov, Kh.M. 9—95916
Khaimovich, E.P. *see* Smolyakov, B.P. 9—61298, 9—65726
Khain, A.P., Agrenich, E.A. Features of the boundary and surface layers in tropical cyclones 9—58053
Khainson, Ya.I. *see* Mirkovskaya, R.E. 9—92057
Khairallah, A., de Lapparent, D., Jallade, M., Mouney, H., Martin, J. The thermohydraulics of the core of fast neutron reactors 9—63723
Khairetdinov, K.A. *see* Bogatov, A.P. 9—64227, 9—64228, 9—68394, 9—76713
Khairetdinov, K.-A. *see* Bachert, H. 9—98364
Khairullina, A.B. *see* Klenin, V.I. 9—79698
Khairutdinov, R.M. *see* Lokai, V.I. 9—81878
Khait, V.D. *see* Kolesnikov, V.K. 9—71953
Khait, Y. Kinetic equations for many-body treatment of large thermal fluctuations in solids 9—54037
Khait, Y., Biblarz, O. Influence of turbulence on a diffuse electrical gas discharge under moderate pressures 9—94834
Khaitun, F.I. On the optimization of optical signal waveform 9—76618
Khaiyer, I. Investigation of bubble stray field effect on the domain wall structure of the overlay bars by interference contrast technique 9—78457
Khakhan, O.V. *see* Afonin, A.I. 9—68137
Khakimov, A.A. *see* Prokhorov, A.M. 9—64339
Khakimov, Kh.Sh. *see* Dautov, G.Yu. 9—69992
Khakimullina, L.Sh. *see* Makarov, V.A. 9—96164
Khakoo, M.A., Newell, W.R., Smith, A.C.H. Inelastic electron scattering from atomic oxygen 9—81282
Khalatnikov, I.M. *see* Belinskii, V.A. 9—101232
Khalatnikov, I.M. *see* Francaviglia, M. 9—64802
Khalatov, A.A. *see* Shchukin, V.K. 9—98717
Khalatur, P.G. *see* Stepan'yan, A.E. 9—65009
Khalatyan, A.A. *see* Akopyan, A.R. 9—58691, 9—58693
Khaldeev, G.V., Kolevatova, V.S. Structure and physical and mechanical properties of electrodeposited copper 9—56939
Khaldeeva, I.V. *see* Barnaveli, T.T. 9—84603

Khaletskiy, M.B., Rau, E.I. Analysis of the scattered fields of magnetic heads using moire and shadowgraph electron-microscope patterns 9—89045

Khalezov, A.A., Gorelik, V.S., Sushchinskii, M.M. Dispersion law and temperature dependence of polariton damping constant in $LiNbO_3$ crystal 9—95779

Khalfin, V.B., Chalyi, V.P., Garbuzov, D.Z. Calculation of the influence of the diffusion of luminescence on the distribution of nonequilibrium carriers in the case of local excitation of an active region of a double heterostructure 9—73574

Khalgui Mohamed Salah *see* Mohamed Salah Khalgui

Khalifa, B.A. *see* El-Zaidia, M.M. 9—73099

Khalifa, F.A. *see* Ghoneim, N.A. 9—74141

Khalifa, H.E., Kestin, J., Wakeham, W.A. The theory of the transient hot-wire cell for measuring the thermal conductivity of gaseous mixtures 9—86328

Khalifa, H.E. *see* Abe, V. 9—90363

Khalifa, H.E. *see* Abe, Y. 9—86550

Khalifa, H.E. *see* Correia, R.J. 9—82370

Khalil, A. *see* Boom, R.W. 9—60052

Khalil, O.S. *see* Hankin, S.H. 9—56771

Khalil, S.M. *see* Al-Khuzzaii, S. 9—91948

Khalil, T.B., Viano, D.C., Smith, D.L. Experimental analysis of the vibrational characteristics of the human skull 9—81780

Khalilev, V.D., Vasylyak, Ya.P., Mel'nikova, O.V., Morozova, I.N., Kolobkov, V.P., Vakhrameev, V.I. IR spectroscopy and X-ray phase analysis of alkali-free fluorophosphate glasses and their crystallization products 9—94913

Khalilev, V.D. *see* Pronkin, A.A. 9—95215

Khalilov, R.I. *see* Gol'dfel'd, M.G. 9—53061

Khalilov, S.Kh. *see* Vidadi, Yu.A. 9—51700

Khalilov, V.R. *see* Lobanov, A.E. 9—98327

Khaliquzzaman, M. *see* Ahmad, S. 9—80962

Khaliquzzaman, M. *see* Kalam, M.A. 9—52835

Khaliullin, G.G. *see* Leushin, A.M. 9—69667

Khalizov, A.L. *see* Svetov, B.S. 9—62620

Khalturin, A.S. *see* Tazenkov, B.A. 9—69557

Khalturina, N.M. *see* Artemov, V.M. 9—52659

Khalyavka, E.P. *see* Kostetskii, B.I. 9—52484

Khambatta, F.B. *see* Stein, R.S. 9—69026

Khambete, N.N., Biswas, B.C. Characteristics of short period rainfall in Gujarat 9—96791

Khamidov, M.M. *see* Rizakhanov, M.A. 9—73999

Khamirzov, Kh.M. *see* Dorman, L.I. 9—84605

Khamrakulov, T.K., Kudratov, I.I., Shlyakhov, V.I. Continuous automatic monitoring of carbon dioxide content of the atmosphere by the coulometric method 9—53537

Khan, A.H. *see* Ahmad, S. 9—80962

Khan, A.H. *see* Kalam, M.A. 9—52835

Khan, A.S. *see* Franzen, H.F. 9—86893

Khan, D.C., Kirtane, S.M. Comparative study of the magnetic form factors of transition metal ions 9—78315

Khan, D.C. *see* Sharma, J.K. 9—78313

Khan, D.C. *see* Sharman, J.K. 9—65398

Khan, E.U. *see* Lewis, R.A. 9—81059

Khan, F.M., Lee, J.M.F. Computer algorithm for electron beam treatment planning 9—62351

Khan, F.M., Lowe, J., Nelson, J.M., Barnett, A.R. Some studies of $T=^3/_2$ states in ^{17}F 9—67728

Khan, H.R., Raub, C.J., Kobler, U., Luders, K., Szucs, Z. NMR- and susceptibility investigations on BCC superconducting solid solutions of $Mo_{(1-x)}V_x$ 9—56388

Khan, H.R., Raub, C.J., Kobler, U., Luders, K., Szucs, Z. Magnetic susceptibility of V_xMo_{1-x} solid solutions 9—91208

Khan, H.R., Raub, Ch.J. On the electrical resistance of metallic glass $Pd_{68.5}Cu_{15}Si_{16.5}$ 9—65423

Khan, H.R., Raub, Ch.J., Luders, K., Szucs, Z. Superconductivity of A 15- and σ-phase of Nb-Ir 9—73645

Khan, H.R. *see* Delanaye, F. 9—87033

Khan, H.R. *see* Gevers, A. 9—56387

Khan, M., Chakraborty, B. Small amplitude wave propagation in stratified media 9—60147

Khan, M.A., Muehlner, D.J., Wolff, P.A. Resonant four wave mixing in n-type silicon 9—89960

Khan, M.A. *see* Gross, J.G. 9—61402

Khan, M.G. *see* Fedorov, G.M. 9—52201

Khan, M.I., Hogarth, C.A., Khan, M.N. Memory switching in GeO_2 films 9—82650

Khan, M.I.R. *see* Beg, M.N. 9—57294

Khan, M.N., Lucas, M.W. Electron capture into continuum states of fast channeled protons: calculations with Gaussian flux peaking 9—86827

Khan, M.N. *see* Khan, M.I. 9—82650

Khan, M.S.Rahman *see* Rahman Khan, M.S.

Khan, M.U. Flip-flop shows difference in frequencies 9—88919

Khan, M.Z.R. *see* Mujib, F. 9—85394

Khan, M.Z.R. *see* Shoeb, M. 9—85395

Khan, N.A. *see* Gul, K. 9—80932

Khan, P., Macrae, R., Robinson, R.K. The novel use of a chromatography refractive index detector for monitoring model dialysis experiments 9—96724

Khan, Q.H. *see* Beg, M.M. 9—90746

Khan, S.S. *see* Chaghtai, S.A. 9—74728

Khan, S.U. *see* Mathur, D. 9—72424

Khan, S.U.M. *see* Bockris, J.O'M. 9—96329

Khan, Z.A. *see* Ahmad, I. 9—85476

Khan Dyk Kim *see* Vereshchagin, M.N. 9—96046

Khan-Magometova, Sh.D. *see* Galanin, M.D. 9—56828

Khanamiryan, A.E. *see* Balbekov, V.I. 9—63829

Khandokhin, P.A. *see* Gelikonov, V.M. 9—85183

Khandpur, R.S. The role of CSIO in medical equipment standards and maintenance 9—74778

Khandpur, R.S. Technology transfer for medical electronic equipment 9—96679

Khandros, L.G. *see* Arbuzova, I.A. 9—87627

Khandros, L.G. *see* Kolomytsev, V.I. 9—52215

Khandros, L.G. *see* Koval', Yu.N. 9—83259

Khandros, L.G. *see* Martynov, V.V. 9—87634

Khandurdyev, A. *see* Kakabaev, A. 9—83620

Khaneja, R. *see* Cogger, L.L. 9—84561

Khangulov, S.V., Gol'dfel'd, M.G. Light-dependent reactions of Mn^{2+} and $P700^+$ in chloroplasts in conditions of pulsed illumination 9—53062

Khangulov, S.V. *see* Blyumenfel'd, L.A. 9—79490

Khangulov, S.V. *see* Gol'dfel'd, M.G. 9—57607

Khangulyan, V.A. *see* Galitskii, V.M. 9—93544

Khanin, K.M., Sinai, Ya.G. Existence of free energy for models with long-range random Hamiltonians 9—88886

Khanin, S.D. *see* D'yakonov, M.N. 9—69418

Khanin, V.M. Potential model of the Coanda effect 9—77198

Khanin, V.M. *see* Gol'dshtik, M.A. 9—64725

Khanna, K.N. Second-order elastic constants of copper and silver 9—55808

Khanna, K.N. Pseudopotential calculations for simple metals 9—65025

Khanna, K.N. Model potential calculations of simple metals 9—99650

Khanna, M.P. *see* Kanwar, S. 9—89077, 9—97623

Khanna, M.P. *see* Verma, R.C. 9—75769, 9—97624

Khanna, R.N., Rathore, R.P.S. An analysis of lattice dynamical angular force models for body centered cubic metals 9—82289

Khanna, S.K. Investigation of critical anomaly of ultrasonic velocity in triglycine selenate crystals by acousto-optical method 9—55832

Khanna, S.K., Yen, S.P.S., Somoano, R.B., Chaikin, P.M., Lowe Ma, C., Williams, R., Samson, S. Effects of disorder on the transport properties of bis(tetrathiatetracene)triiodide 9—56206

Khanna, S.S.B. Standing waves of finite amplitude on surface of ideal liquid of finite depth 9—81906

Khanna, V.D. *see* Eliezer, Z. 9—87744

Khannanov, Sh.Kh. *see* Valiev, R., Z. 9—65099

Khanonkin, A.A. *see* Zazyan, Z.F. 9—91777

Khantine-Langlois, F. *see* Fujisaki, M. 9—49542, 9—63521

Khanukaev, B.B. *see* Vardanyan, R.L. 9—77496

Khanukaeva, N.S. *see* Vardanyan, R.L. 9—77496

Khanukhov, Kh.M. *see* Larionov, V.V. 9—87696

Khanyk, Ya.N. *see* Aksel'rud, G.A. 9—90328

Khanzadeev, A.V. *see* Baturin, V.N. 9—85477

Khan'zhin, P.S., Zaitsev, V.I., Evdokimova, L.N. Relationship of the diameter of developer indications to the diameter of single voids in inspection by the dye penetrant method with the use of a sorption developer 9—70287

Khapaev, A.M. *see* Korolenko, P.V. 9—94274

Khapalyuk, A.P., Kalosha, V.P. Effect of a transition layer on the surface of an active medium on laser action 9—50301

Khapalyuk, A.P. *see* Bel'skii, A.M. 9—55157

Khapilov, N.V., Utyamyshev, R.I. Basic trends in the development and realization of equipment for assisted circulation 9—100789

Kharadly, M.M., McNicol, J.D., Peters, J.B. Measurement of attenuation due to rain at 74 GHz 9—80002

Kharakhashyan, E.G. *see* Suleymanov, N.M. 9—87608

Kharbash, A.Kh. *see* Nechaev, Yu.R. 9—83357

Kharbediya, L.I. On the relativity of the spatial and temporal finiteness and infinity of some Friedman cosmological models 9—62941

Kharchenko, I.A. *see* Romanenko, N.T. 9—77142

Kharchenko, N.F., Eremenko, V.V., Belyi, L.I. Visual observation of 180° antiferromagnetic domains 9—61349

Kharchenko, V.A. *see* Gres'kov, I.M. 9—69144

Kharchenko, V.F. Nonrelativistic theory of fournucleon systems 9—80881

Kharchenko, V.Ya. *see* Lyk'yanov, V.F. 9—91794

Kharchuk, M.D. *see* Rabinovich, S.V. 9—81580

Khare, A. The relative magnitudes of the derivatives of 1P(D,F,...) and 2P(D,F,...) wave functions at the origin 9—67182

Khare, L.R. *see* Subramanyam, K.N. 9—87376

Khare, R.P. *see* Kor, S.K. 9—77686, 9—77687

Khare, S.P., Kumar, A. On 3914 Å band of N_2^+ (1N) radiation 9—81226

Khare, S.P., Raj, D. Elastic scattering of intermediate energy electrons by heteronuclear molecules 9—72418

Khare, S.P., Singh, T.P. Differential cross sections for 500 eV electrons elastically scattered by nigrogen molecule 9—86067

Khare, V., Kouri, D.J., Baer, M. Infinite order sudden approximation for reactive scattering. I. Basic l-labeled formulation 9—91912

Kharionovskii, Yu.S. *see* Bratashevskii, Yu.A. 9—90955

Kharisov, G.G. *see* Velichanskii, V.L. 9—68396

Kharisov, R.I. *see* Mukhamedyarov, R.D. 9—50401

Kharisova, N.M. *see* Buevich, Yu.A. 9—86509

Kharitinych, N.E., Golovach, I.P., Bryk, M.T., Shcherbina, G.P., Radomysel'skii, I.D., Kurovskii, V.Ya. Determination of the depth of impregnation of porous iron-graphite materials with a capron-finely divided copper metallic polymer 9—70272

Kharitonov, A.M. *see* Kornilov, V.I. 9—86414

Kharitonov, A.V. *see* Egorov, N.N. 9—94549

Kharitonov, A.V. *see* Glushneva, I.N. 9—58273

Kharitonov, N.P. *see* Filina, L.V. 9—52152

Kharitonov, V.D. *see* Dikshtein, I.E. 9—95626

Kharitonov, V.V. Relaxation of heat transfer processes in polymers 9—90122

Kharitonov, Yu.P. *see* Druin, V.A. 9—59101

Kharitonov, Yu.P. *see* Zubareva, A.M. 9—68124

Kharitonova, A.I., Shapiro, B.I., Bogomołov, K.S. Some laws of crystallisation of silver halides during double-jet emulsification 9—58826

Kharitonova, T.V. *see* Mazets, E.P. 9—58449, 9—88765, 9—88766

Kharitonskii, S.Ya. *see* Dekhtyar, I.Ya. 9—60560

Kharitskaya, E.A. *see* Bochkarev, N.G. 9—58450

Kharkats, Yu.I. Bitransitions in molecule reorientation processes in an adsorbed layer 9—99416

Kharkats, Yu.I. New method for the description of migration currents and a critical analysis of the Heyrovsky method 9—100404

Kharkats, Yu.I. *see* Gurevich, Yu.Ya. 9—90886

Kharkats, Yu.I. *see* Ivanov-Shits, A.K. 9—73337

Khar'kov, N.E. *see* Kudryavtseva, N.L. 9—50453, 9—72730

Khar'kov, V.P. Fatigue resistance of gas-turbine materials in corrosive media 9—70247

Khar'kova, G.V. *see* Belotskaya, A.A. 9—86800

Khar'kova, L.E. *see* Gun'ko, L.P. 9—57008

Kharkyanen, V.N. *see* Petrov, E.G. 9—70542

Kharlamov, A.A.. *see* Osip'yan, Yu.A. 9—78128, 9—91092

Kharlamov, B.M., Bykovskaya, L.A., Personov, R.I. A new method of exhibiting the line structure in nonuniformly broadened absorption spectra of organic molecules 9—93999

Kharlamov, M.P. Applications of differential geometry to the theory of mechanical systems 9—63016

Kharlamov, M.P. Phase topology of an integrable case of motion of a solid body 9—63033

Kharlamov, M.P. *see* Kononikhin, G.A. 9—50590

Kharlamov, P.V. Separatrix motions of a Lagrange gyroscope 9—63014

Kharlamov, P.V. *see* Koval', V.I. 9—63013

Kharlamov, Yu.A., Kalinin, L.I., Rishin, V.V., Ryaboshapko, B.L., Krasnov, A.N. Detonation deposition of hard-alloy coatings from a mechanical mixture of fine powders 9—100078

Kharoo, H.L., Gupta, O.P. Non-central forces and normal modes of vibration in palladium 9—99278

Kharoo, H.L., Gupta, O.P., Hemkar, M.P. Angular forces and normal vibration in nickel 9—73270

Kharsan, R.S., Patel, K.S., Mishra, R.K. N-hydroxy-N-p-tolyl-N'-(3-chloro-4-methylphenyl)-p-toluamidine as a sensitive and selective reagent for vanadium (V): synergic extraction and photometric determination in the presence of various phenols 9—79345

Kharzheev, Yu.N. *see* Abdinov, O.B. 9—89334

Khasaev, N.O. *see* Kalinin, E.K. 9—81876

Khasanov, A.Kh. *see* Al'tshulev, S.A. 9—78539

Khasanov, F.M. *see* Aref'ev, A.V. 9—97637

Khasanov, O.Kh. *see* Nagibarov, V.R. 9—55191

Khasanov, R.A., Khasanova, N.M., Nizamutdinov, N.M., Vinokurov, V.M. Tetrahedral paramagnetic centers in single crystals of Zn-astrakhanite 9—51845

Khasanov, S.M. *see* Shmyt'ko, I.M. 9—61315

Khasanova, A.Yu., Tumashev, G.G. Heating of the potential flow of an ideal liquid by rigid walls 9—98730

Khasanova, N.M. *see* Khasanov, R.A. 9—51845

Khashayev, Z.Kh.-M. *see* Tsofina, L.M. 9—53070

Khashchina, M.V., Pustovar, Yu.K., Bunyaev, M.D., Novikov, Yu.P., Raff, V.S., Romanov, I.V. Electrooptical meter for the rotation angles of an object 9—88908

Khashimov, F.R. *see* Aref'ev, K.P. 9—99974

Khashkhozhev, Z.M. *see* Zherzdev, A.V. 9—73954

Khaskin, L.Ya. *see* Mikhailov, V.V. 9—86394

Khater, A.F. The Kapitza resistance and phonon scattering at solid-liquid He interfaces 9—55983

Khatiashvili, A.A., Boitsov, V.G., Boguslavskii, L.I. Electrochemical injection as a method to produce the electret state in organic dielectrics 9—91344

Khatiashvili, A.A. *see* Boguslavskii, L.I. 9—69770

Khatib-Rahbar, M., Cady, K.B. Establishment of buoyancy-induced natural circulation in loop-type LMFBRs 9—49663

Khatkevich, A.G. *see* Belyi, V.N. 9—56765

Khatkevich, A.G. *see* Lugina, A.S. 9—50352, 9—55181
Khatry, A.K. *see* Malik, M.A.S. 9—62144
Khattak, M.Ali *see* Ali Khattak, M.
Khattri, K., Sinvhal, A., Awasthi, A.K. Seismic discriminants of stratigraphy derived from Monte Carlo simulation of sedimentary formations 9—92503
Khatuntsev, V.I. *see* Mikhailenko, S.A. 9—60244
Khavskii, N.N. Technological effect of the simultaneous action of ultrasonic vibrations of different frequencies in liquids 9—94396
Khayarov, A.I. *see* Samitov, Yu.Yu. 9—80651
Khayurov, S.S., Varfolomeeva, E.A., Latigan, B.A. Microcell for polishing specimens in electron microscopy 9—96248
Khazan, A.D. *see* Luk'ianov, E.K. 9—53267
Khazan, Ya.M. Distribution function of the ranges of cosmic rays in matter 9—80113
Khazanov, A.I., Ivlev, A.S., Novoselets, S.A. Apparatus for multichannel measurement of pH of upper gastrointestinal tract 9—57781
Khazanov, E.E. *see* Lingart, Yu.K. 9—88959
Khazanov, G.I. Review of the main works on professional cinematography technique carried out in 1978 9—89022
Khazanov, G.V. *see* Diogenova, T.V. 9—53588
Khazanov, I.O. *see* Egorov, Yu.P. 9—87767
Khazanov, M.I. *see* Stetsovskii, A.P. 9—87387
Khazaradze, N.G. *see* Aglamazov, V.A. 9—84616
Khazins, D.M. *see* Alekseev, G.D. 9—63869, 9—97938, 9—97939
Khazins, D.M. *see* Alizade, V.V. 9—80845, 9—89333
Khazizov, R.G. *see* Blagov, M.I. 9—76303
Khazov, V.N. *see* Gostishchev, V.I. 9—91754
Khe-Tai Ma, Kusic, G. An algorithm for distortion analysis in two-dimensional patterns using its projections 9—88229
Khegner, V. *see* Kadla, Z.I. 9—97041
Kheifets, A.S. *see* Rapoport, Yu.M. 9—96277
Kheifets, E.I., Shenderov, E.L. Color imaging of sound fields 9—64464
Kheifets, E.I. *see* Ryzhei, Yu.E. 9—90102
Kheifets, S.A. Weak-strong instability as a diffusion process 9—72111
Kheifhets, S.A. *see* Derbenev, Ya.S. 9—72175
Kheiker, D.M. Parallel measurements of the diffraction pattern in X-ray diffractometry 9—94848
Kheiker, D.M. *see* Gorbatyi, L.V. 9—64959
Khelashvili, A.A. Invariant properties of weak interactions and the Cabibbo angle in chiral dynamics 9—71660
Khelemskii, S.L. *see* Milyutin, V.N. 9—64756
Kheleznyak, M.I. Numerical calculation of surface wave collisions 9—77141
Khentov, A.A. One condition for stability of resonance rotations of celestial bodies 9—96897
Kher, R.K. *see* Pradhan, A.S. 9—85815
Kher, V.G. *see* Kale, V. 9—99945
Kherouf, R. *see* Cauchois, Y. 9—75905
Khersonskii, V.K. *see* Everskaya, I.L. 9—97056
Khersonskii, V.K. *see* Varshalovich, D.A. 9—97054
Kheruvimov, A.N. *see* Borovoi, A.A. 9—80822
Khesin, Yu.D. *see* Likhachev, V.A. 9—61650
Khetan, R.P. *see* Achenbach, J.D. 9—68660
Khetan, R.P. *see* Chiang, F.D. 9—81821
Khetrapal, C.L., Kunwar, A.C., Patankar, A.V. NMR of bicyclic diazines oriented in a lyotropic mesophase 9—82886
Khetselius, V.G., Zhelecznyakova, A.I. On determination of the quantity of astronomical clear sky 9—88472
Kheyrandish, H. *see* Windsor, C.G. 9—60465
Khi Nguen Nguen *see* Nguen Nguen Khi
Khidekel, M.L. *see* Lyubovskaya, R.N. 9—60809
Khiem Truong Van *see* Truong Van Khiem
Khiet Tu *see* Tu Khiet
Khilo, O.E. *see* Galazyuk, V.A. 9—50474
Khim, Z.G., Tomasch, W.J. Effective renormalization behavior of Ag films backed by superconducting Pb 9—56397
Khimchenko, A.S. *see* Lozovskii, L.A. 9—68169
Khimenko, V.I. The average number of trajectory overshoots of a non-Gaussian random process above a given level 9—71234
Khiminets, O.V., Puga, P.P., Khiminets, V.V., Rosola, I.I., Puga, G.D. Raman spectra of the As-S-I system of glasses 9—65857
Khiminets, O.V. *see* Gerasimenko, V.S. 9—95780
Khiminets, V.V. *see* Gerasimenko, V.S. 9—95780
Khiminets, V.V. *see* Khiminets, O.V. 9—65857
Khiminets, V.V. *see* Puga, P.P. 9—51964
Khina, M.L., Vasil'kov, V.F., Kobzev, N.S. Quenchants based on water-soluble polymers 9—100190
Khizanishvili, L.A. *see* Baiburina, S.G. 9—80156, 9—80170
Khizhnyak, A.I. *see* Markov, V.B. 9—59656
Khizhnyak, N.A. *see* Petlenko, V.A. 9—81336
Khizhnyakov, V.V. *see* Rebane, I.K. 9—56827
Khizhnyakov, V.V. *see* Zavada, N.I. 9—99245
Khlebalkin, A.V. *see* Abroyan, I.A. 9—90706
Khlebnikov, F.P. *see* Bogdanov, A.P. 9—72724
Khlebnikov, V.I. Gravitational field of radiating charged systems: Petrov type II twist-free metrics 9—49115
Khlebnikova, I.Yu. *see* Pevzner, M.L. 9—83425
Khlebopros, R.G. *see* Chekanova, L.A. 9—73104
Khlebtsov, N.G., Klenin, V.I., Frenkel, S.Ya. Allowance for nonsphericity of particles in determining the parameters of disperse systems by the turbidity spectrum method. VII. Light scattering functions of strongly anisodiametric particles 9—98286
Khlebtsov, N.G., Shchegolev, S.Yu., Klenin, V.I. Allowance for nonspherical particles in determining the parameters of disperse systems by the turbidity spectrum method. V. Characteristic light scattering functions of systems of randomly oriented soft oblate particles 9—64180
Khlebtsov, N.G., Shchyogolev, S.Yu., Klenin, V.I., Frenkel, S.Ya. Allowance for nonspherical particles in determining the parameters of disperse systems by the turbidity spectrum method. VI. Reciprocal problems for oblate particles. Stability of the method 9—72496
Khlebtsov, N.G. *see* Sirota, A.I. 9—55060
Khlestkin, D.A., Korshunov, A.S., Kanishchev, V.P. Determination of high-parameter water flow rates during discharge to the atmosphere through cylindrical channels 9—90339
Khlestov, V.M., Dorozhko, G.K., Podgaiskii, M.S., Ikonnikov, V.I., Malova, R.P. Variation in the austenite transformation kinetics and structure of steel 17G1S under the influence of deformation 9—70060
Khlus, V.A., Rozhavskii, A.S., Kulik, I.O. Nonlinear effects in the system of a large number of Josephson junctions 9—65603
Khlyntsev, V.P., Kudryavtsev, A.N., Potapov, L.P., Kirienko, V.I. Investigation of phase transformations in the alloy N55M20V25 quenched at various cooling rates 9—66052
Khlyntsev, V.P., Potapov, L.P., Kirienko, V.I. Ion-emission microscope investigation of the transformation of an amorphous nickel-niobium alloy to a crystalline state 9—82158
Khmelenko, T.P. *see* Fedoruk, R.M. 9—52505
Khmel'nitskii, D.E. *see* Gor'kov, L.P. 9—99523
Khodachenko, G.V. *see* Tyurkanov, P.M. 9—64947
Khodachenko, G.V. *see* Tyuryukanov, P.M. 9—55602
Khodakov, G.S. *see* Kudryavtseva, N.L. 9—50453, 9—72730
Khodakovskaya, R.Ya. *see* Abdrashitova, E.I. 9—65710, 9—65739, 9—99752
Khodarev, E. Liquid metal fast breeder reactors 9—81072
Khodarkovskii, M.A. *see* Dobychin, S.L. 9—64076
Khodenkov, H.E. The motion of the head-on domain wall in the ferromagnet: new exact solution 9—87283
Khodkevich, S.D. *see* Zil'berman, L.S. 9—61877
Khodorkov, I.L. *see* Gurari, M.L. 9—75535
Khodorov, B.I. *see* Mukumov, M.R. 9—70541
Khodorov, B.I. *see* Pogadayev, V.I. 9—53071
Khodos, I.I. *see* Myshlyaev, M.M. 9—77603
Khodos, M.Ya., Slobodin, B.V., Arapova, I.A. Enthalpy of formation of lithium orthovanadate 9—99333
Khodosov, E.F., Linnik, A.I., Kobzenko, G.F., Ivanchenko, V.G. Nuclear magnetic resonance in compounds $LaNi_3$-hydrogen and La_2Ni_7-hydrogen 9—61248
Khodosov, E.V. *see* Eremina, M.I. 9—74421
Khodulev, L.B. *see* Maimistov, A.I. 9—59768
Khodykina, L.E. *see* Mints, I.I. 9—57026
Khodyrev, Yu.P., Baranova, R.V., Imamov, R.M., Semiletov, S.A. Electron diffraction investigation of hexagonal nickel hydride 9—55724
Khodyrev, Yu.P., Baranova, R.V., Imamov, R.M., Semiletov, S.A. Electron-diffraction investigation of β-FCC palladium hydride 9—65062
Khodzhamiryan, A.Yu. SU(3) symmetry and quark diagrams in weak nonleptonic decays of charmed hadrons 9—93411
Khodzhibagiyan, H.G. *see* Aksenov, V.G. 9—54224
Khoe, K.D. Practical machine for electric arc splicing of optical fibres in the field 9—50450
Khoe, T.K. *see* Moretti, A. 9—76158
Khohlov, Yu.I., Pashkov, V.V., Marinin, V.S. Liquid-vapor phase equilibrium and surface tension of para-hydrogen 9—65178
Khokhlov, A.R. The diagram of states of the isotropic solution of semiflexible macromolecules 9—50977
Khokhlov, E.M. *see* Averin, V.G. 9—89896
Khokhlov, V.A. *see* Kashcheev, V.N. 9—81820
Khokhlov, V.A. *see* Mel'nichenko, I.I. 9—93225, 9—93979
Khokhlov, V.A. *see* Savintsev, P.P. 9—86931
Khokhlov, V.F., Tkachev, V.D., Reitblat, V.L., Sheino, I.N. Subgroup method for taking account of the spatial distribution of unscattered and singly scattered neutrons in multigroup shielding calculations 9—59104
Khokhlov, V.F. *see* Belyakov, V.V. 9—71922
Khokhlov, V.G., Sheino, I.N. A method of calculating radiation-field functionals for wide variations in shielding parameters 9—71928
Khokhlov, Yu.I., Pashkov, V.V. Surface properties of classical Lennard-Jones liquid 9—77869
Khokhlov, Yu.K. Possibilities of confinement of betatron frequencies of a relativistic cyclotron 9—85840
Khokhlova, A.N. *see* Lugin, L.I. 9—61544
Khokhlova, T.D. *see* Artemova, A.A. 9—52857
Kholbaev, N. *see* Vavryshuk, Ya. 9—49597
Kholer, R., Mohling, W., Pasemann, M. Microdefects in silicon different from swirls 9—86797
Kholeva, M. *see* Yazkulyev, A. 9—96422
Kholief, M.M. *see* Stanley, D.J. 9—70782
Kholin, I.V. *see* Basov, N.G. 9—89930
Kholin, I.V. *see* Boiko, V.A. 9—90433, 9—90468
Kholodkevich, S.B. *see* Bogomolov, V.N. 9—61378
Kholodnov, V.A. *see* Pospelov, V.V. 9—56325
Kholodnykh, A.I. *see* Mel'nik, L.P. 9—89967
Kholodova, N.S. *see* Mukhamedyrov, R.D. 9—49200
Kholopov, E.V. Phase transition described by the self-consistent theory in an exactly soluble model 9—95121
Kholopov, G.K. *see* Aksyutov, L.N. 9—71530
Kholopova, V.V. *see* Ganiev, R.F. 9—50623
Kholpanov, L.P. *see* Mochalova, N.S. 9—86433
Kholshchevnikova, E.K. Turbulent air flow in a round pipe at high temperatures 9—81850
Kholshevnikov, K.V. *see* Antonov, V.A. 9—62732
Khomenko, A.V. *see* Petrov, M.P. 9—94343
Khomenko, B.A. *see* Albrecht, D. 9—75985
Khomenko, B.A. *see* Bystritskii, V.M. 9—50171
Khomenko, G.A. *see* Akhiezer, A.I. 9—89285
Khomenko, G.A. *see* Berezhnoi, Yu.A. 9—89273
Khomenko, Yu.M. *see* Serikov, A.A. 9—78041
Khomenyuk, Yu.V., Eliseeva, I.S. Shortened Fourier expansions for anomalous fields 9—62624
Khomenyuk, Yu.V., Maksimov, A.B., Ryzhenko, L.I. An analytical description of the field configuration in terms of differential geometry 9—74986
Khomich, A.A. *see* Buki, A.Yu. 9—80927
Khomich, V.Yu. *see* Apollonov, V.V. 9—64267, 9—72603
Khomik, S.V. *see* Borisov, A.A. 9—64737
Khomitskii, V.V. *see* Kalinovskii, A.V. 9—88331
Khomskii, D.I. Local effects and valence transitions in doped Sm monochalcogenides 9—51533
Khomskii, D.I. *see* Kugel', K.I. 9—65634
Khomutova, L.A., Ivanov, V.I., Savinova, N.G., Fratini, T.S. Rapid method of determining the radiation wavelength of a laser 9—76738
Khomyakov, A.M. Load-carrying ability of cylindrical shell loaded by concentrated force acting along the generator 9—94499
Khomyakov, G.K. *see* Strashinsky, A.G. 9—61933
Khomylev, A.F. *see* D'yakanov, M.N. 9—61539
Khong Trung Dong *see* Trung Dong Khong
Khon'kin, A.D., Shapovalov, G.K. An experimental study of characteristics of turbulent friction at supersonic velocities 9—98751
Khoo, S.K. *see* Emsley, J.W. 9—50987
Khoo, T.L. *see* Haas, B. 9—71783
Khoroshailov, V.G., Gyulikhandanov, E.L., Florian, E.N. Kinetics of saturation of steel with carbon and nitrogen during high-temperature nitrogen case hardening 9—52450
Khoroshev, I.G. *see* Novikov, V.F. 9—70278, 9—87785
Khorosheva, O.V. *see* Panasyuk, M.I. 9—58190
Khorosheva, V.B. *see* Slavin, G.A. 9—87625
Khoroshkov, Yu.V. *see* Kurashov, V.N. 9—98273
Khoroshun, L.P. On determining the coefficient of mutual penetration in two-phase elastic bodies 9—94491
Khoroshun, L.P. On one statement of a crack problem for two-component material 9—98666
Khoroshykh, V.M. *see* Aksenov, I.I. 9—98996
Khorozov, S. *see* Aksinenko, V. 9—97713
Khorvat, A.M. *see* Goncharov, L.A. 9—95042
Khorvat, A.M. *see* Mikhailov, V.F. 9—82316
Khoshenevisan, M., Pratt, W.P., Jr., Schroeder, P.A., Steenwyk, S.D. Low-temperature resistivity and thermoelectric ratio of copper and gold 9—73497
Khoshnood, B. *see* Frazer, D.G. 9—96604
Khotchenkov, A.G. Effect of charges on the formation of nucleation centers of a ferroelectric phase 9—65810
Khotchenkov, A.G. Influence of charges on polarization switching in ferroelectrics 9—69796
Khotienko, Yu.P. *see* Uzlov, I.G. 9—70064
Khotin, L.M., Ershov, A.I. Investigation of the characteristics of turbulence in a swirling flow 9—59991
Khotkevich, A.V. *see* Balkashin, O.P. 9—56416
Khotyaintsev, V.N. *see* Sugakov, V.I. 9—65388
Khotyaintsev, V.V. Effect of inhomogeneous surface layer on diffusion and annihilation of excitons 9—60730
Khoutsichvili, E. *see* Lukes, F. 9—83537
Khovanskii, N.N. *see* Bystritskii, V.M. 9—50171
Khovanskij, N.N. *see* Albrecht, D. 9—75985
Khovansky, V. *see* Ammosov, V. 9—71737
Khovansky, V. *see* Jonker, M. 9—93399
Khovrin, G.V., Pavlyuchko, A.I., Ponomarev, Yu.I. Role of kinematic and dynamic anharmonicity in the determination of the geometry of molecules 9—50159
Khoze, A.N. *see* Beinusov, A.G. 9—81951
Khoze, V.A. *see* Azimov, Ya.I. 9—49505
Khozyainov, A.I. *see* Lityagina, L.M. 9—73311
Khramov, A.N. Paleomagnetism and problems of geodynamics 9—79737

Khramov, A.S. Connection between isomer shift and quadrupolar splitting of Mossbauer spectra of compounds containing tin 9—61285
Khramov, R.N. Circulation of an impulse in an excitable medium. Critical size of a closed circuit 9—92200
Khramtsova, V.I. *see* Shklyarevskii, I.N. 9—55222, 9—64331
Khrapovitskii, V.P. *see* Konev, S.V. 9—79492
Khrebtov, A.P., Skochenskii, A.A., Speranskaya, E.M., Turkmenov, Kh.I. Concerning the mechanism of optical transitions in 3D-ions in ferrite-spinels 9—82954
Khrebtov, A.P. *see* Krinchik, G.S. 9—87465
Khrenov, B.A. *see* Vernov, S.N. 9—80172
Khrestovoi, Yu.L. *see* Kapinos, V.M. 9—90110
Khrimyan, A.V., Nalbandyan, N.A., Avakyan, A.A., Khrimyan, G.V., Vartanyan, T.G., Mkrtchyan, M.Zh. SILYA-4 light-nucleus isotope spectrometer for the investigation of cosmic rays outside the Earth's atmosphere 9—80111
Khrimyan, G.V. *see* Khrimyan, A.V. 9—80111
Khripchenko, I.A. *see* Abakumov, B.M. 9—67417
Khriplovich, I.B. *see* Skovpen', Yu.I. 9—93445
Khripunov, B.I. Relaxation of a neutral beam in a gas (plasma chemical separation) 9—64926
Khristanov, H.A., Genov, P.G., Dotsinski, I.A. Correction of the zero-line of electrocardiogram 9—79666
Khristenko, E.V. *see* Dmitriev, V.M. 9—56377, 9—82711
Khristenko, I.N., Tomenko, Yu.S. Resolution of impact viscosity into components by the Otani method 9—50657
Khristenko, S.V. *see* Safronova, U.I. 9—76368
Khristiansen, G.A. *see* Alekseev, E.N. 9—80164
Khristiansen, G.B., Dedenko, L.G., Kalmykov, N.N., Kulikov, G.V., Solov'eva, V.I. Experiments and calculations of the muon spatial distribution in extensive air showers 9—80167
Khristiansen, G.B. *see* Alekseev, E.N. 9—80163
Khristiansen, G.B. *see* Baiburina, S.G. 9—80156, 9—80170
Khristiansen, G.B. *see* Berezhko, I.A. 9—96870
Khristiansen, G.B. *see* Dzhappuev, D.D. 9—53688
Khristiansen, G.B. *see* Grigor'ev, V.M. 9—80169
Khristiansen, G.B. *see* Kalmykov, N.N. 9—84614
Khristiansen, G.B. *see* Levina, T.G. 9—96873
Khristiansen, G.B. *see* Vernov, S.N. 9—80172
Khristiansen, G.B. *see* Wdowczyk, J. 9—80158
Khristiansen, G.V., Kalmykov, N.N., Kulikov, G.V., Makhmudov, B.M., Sirodzhev, N., Solov'eva, V.I. The muon component of extensive air showers 9—80166
Khristochevskii, S.A. *see* Kandidov, V.P. 9—64384
Khristov, Kh. *see* Apostolov, A. 9—75556
Khristov, Kh.D. *see* Minchev, P.M. 9—77278
Khristov, L. *see* Drazhev, M. 9—75511
Khristov, L.G. *see* Zayachki, V.I. 9—75798
Khristov, M. *see* Mikhailov, M. 9—66291
Khristova, Kh.V. *see* Natov, M.A. 9—61672
Khristova, Yu. *see* Nacheva, Z. 9—86357
Khrjapov, V.T. *see* Malinin, A.Ju. 9—52134
Khromoi, Yu.D., Zemskova, L.K., Korchagina, Yu.I. Pinning of a cathode spot with pulsed discharge current. I 9—55601
Khromov, A.I. *see* Bykovtsev, G.M. 9—68599
Khromov, A.V. *see* Yurchak, R.P. 9—86326
Khromov, G.S. An evolutionary sequence of the spectra of planetary nebulae nuclei: does it exist? 9—58361
Khromov, G.S. *see* Goncharskii, A.V. 9—101188
Khromov, G.S. *see* Pilyugin, L.S. 9—88654
Khromov, V.V. *see* Bonch-Bruevich, A.M. 9—85935
Khromov, Yu.F., Timoshenko, I.B., Alekseeva, I.S., Zhmurov, S.A. Employing the Knudsen method for studying the equilibrium pressure of the gaseous components in refractory compounds 9—52529
Khronopulo, Yu.G. *see* Krochik, G.M. 9—59764
Khrushchov, M.M. *see* Katsenl'son, A.A. 9—69404
Khrustalev, B.A. *see* Adrianov, V.N. 9—81703
Khrustalev, Yu.A., Krotova, N.A., Klyuev, V.A. Emission of high-energy electrons during cleavage of mica crystals 9—56917
Khuden'kikh, A.A. *see* Danilovich, N.N. 9—52265
Khudoleev, A.V. *see* Petrov, M.P. 9—98950
Khudoshev, I.F. *see* Kudryavtsev, G.I. 9—52294
Khudzadze, A.M. *see* Boos, E.G. 9—89203
Khular, E. *see* Sharma, A. 9—90013
Khulbe, C.P., Shah, A.M., Pruden, B.B., Denis, J.M. Thermal hydrocracking of Athabasca bitumen: effect of recycle-gas purity on product yields and qualities 9—52866
Khulugurov, V.M., Lobanov, B.D. Stimulated emission from color centers in NaF crystals at 300K 9—73971
Khurana, C.S. *see* Garg, K.C. 9—97701
Khurana, K.K. *see* Pal, P.C. 9—92631
Khuri-Yakub, B.T., Chou, C.H. Ultrasonic attenuation of piezoelectric PVF_2 films at high frequencies 9—65798
Khuri-Yakub, B.T. *see* Bowers, J.E. 9—55304
Khursandova, S.M., Vlasova, R.M., Rautian, L.P., Semkin, V.N., Berlin, A.A., Sherle, A.I., Cherkashin, M.I. Manifestation of structural disorder in optical spectra of TCNQ ion-radical salts 9—99885
Khurshudyan, S.A. *see* Karabegov, M.A. 9—75573
Khusainov, B.G. Float method for measuring liquid levels 9—77310
Khusainov, M.G. *see* Kochelayev, B.I. 9—51719
Khusein, A.Kh. *see* Tagirov, V.I. 9—69840
Khuseinov, B., Mavlonov, Sh., Umarov, B.S. Linear expansion anisotropy of $CdGa_2Se_4$ 9—86910
Khuseinov, B. *see* Marenkin, S.F. 9—51268
Khushvakhtova, A.A. *see* Baiburina, S.G. 9—80170
Khushvaktova, A.A. *see* Baiburina, S.G. 9—80156
Khusid, B.M. *see* Shul'man, Z.P. 9—77100
Khusid, B.M. *see* Voroshnin, L.G. 9—60539
Khutorskii, V.Ye., Poltev, V.I. Investigation of the contribution of the individual structural components to the stabilization of the secondary structure of bihelical polynucleotide 9—53030
Khutorsky, V.E., Poltev, V.I. Conformational analysis of double-helical polynucleotides 9—96513
Khutoryanskii, L.D., Petrov, P.P. Interface stability during crystallization of indium antimonide thin layers 9—65326
Khvatov, L.A., Kalinin, Yu.S., Gerasimov, E.N. An automatic checking system for ferroprobe tube testers 9—79211
Khvedelidze, A.G. *see* Tavadze, F.N. 9—78871
Khvoles, A.R. *see* Kaladze, T.D. 9—73024
Khvostantsev, L.G. *see* Vereshchagin, L.F. 9—65505
Khvostenko, A.S. *see* Shchegolev, G.M. 9—94701
Khyb Li Si *see* Li Si Khyb
Khydyrov, F.L. *see* Alizade, A.A. 9—88402
Ki Chan Jun *see* Moon Il Kim 9—70092
Ki Hong Suk *see* Suk Ki Hong
Ki Hyun Chang *see* Chang Ki Hyun
Ki Kim Myung *see* Kim Myung Ki
Kiang, D., Nogami, Y. Electromagnetic potential between nucleons 9—93524
Kiang, T., Estler, R.C., Zare, R.N. Upper and lower bounds on the F_5S-F bond energy 9—86081
Kibbe, R.K. *see* Boch, A.L. 9—49713
Kibbey, A.H. *see* Godbee, H.W. 9—54541, 9—54585
Kibbey, A.H. *see* Oyen, L.C. 9—54572
Kibblewhite, A.C., Browning, D.G. The identification of major oceanographic fronts by long range acoustic propagation measurements 9—66705
Kibel, M.H., Nyberg, G.L. Angular distribution valence photoelectron spectra of nitric oxide 9—72356
Kibkalo, Yu.V. *see* Zaika, N.I. 9—67800
Kibler, M. *see* Grenet, G. 9—67186
Kichaeva, G.S. *see* Zaients, S.L. 9—81089
Kicharski, M. Optically induced changes of refractive index in photochromic salicylideneaniline 9—81497
Kichigin, A.M. *see* Tolubinskii, V.I. 9—68560
Kichigin, G.N. *see* Astrakhantsev, N.V. 9—55547, 9—98974
Kichimi, H., Fukawa, M., Kabe, S., Ochiai, F., Sugahara, R., Suzuki, A., Yoshimura, Y., Takahashi, K., Okusawa, T., Tanahashi, K., Teranaka, M., Kusumoto, O., Konishi, T., Okabe, H., Yokota, J. Inclusive study of strange-particle production in pp interactions at 405 GeV/c 9—89207
Kichimi, H. *see* Sugahara, R. 9—93453, 9—93454
Kick, S.A. *see* Fengih, A.S. 9—62269
Kiczka, K. *see* Wochna, Z. 9—66585
Kida, S. Asymptotic properties of Burgers turbulence 9—81852
Kidd, A.L., Frisby, J.P., Mayhew, J.E.W. Texture contours can facilitate stereopsis by initiating vergence eye movements 9—100617
Kidd, C. *see* Coleridge, H.M. 9—83726
Kidd, J.M. *see* Wefel, J.P. 9—54442
Kidder, H.R. *see* Coats, A.C. 9—53156
Kidin, I.N., Andryushechkin, V.I., Gorbunov, I.P. Chromoaluminosiliconizing of steel with electroheating to obtain oxidation resistant coatings 9—52457
Kido, G. *see* Miura, N. 9—71491
Kido, H. *see* Takeuchi, N. 9—78714
Kido, K. *see* Niitsu, Y. 9—55274
Kido, Y., Kanamori, Y., Fukuzawa, F. Target temperature dependence of charge state distributions of fast He ions emerging from solids 9—95887
Kido, Y., Okada, R. Some characteristics of snowfalls effect on propagation of laser [beam] 9—74958
Kidokoro, T. *see* Ohshio, M. 9—53650
Kiebele, U., Baumgartner, E., Gubler, H.P., Meyer, H.O., Plattner, G.R., Sick, I. Measurement and interpretation of α-^{58}Ni elastic scattering from 27 to 49 MeV 9—85483
Kiefer, J.H., Hajduk, J.C. A vibrational bias mechanism for diatomic dissociation: induction times and steady rates for O_2, H_2 and D_2 dilute in Ar 9—61854
Kiefer, J.H. *see* Truhlar, D.G. 9—61850
Kiefer, R.W. *see* Lillesand, T.M. 9—100985
Kieffer, E.Ph. *see* Habraken, F.H.P.M. 9—65317
Kieffer, H.H. *see* Martin, T.Z. 9—84709, 9—84710
Kieffer, H.H. *see* Peterfreund, A.R. 9—84711
Kieffer, S.A., Binet, E.F., Esquerra, J.V., Hantman, R.P., Gross, C.E. Contrast agents for myelography: clinical and radiological evaluation of Amipaque and Pantopaque 9—92361
Kieffer, S.W. Thermodynamics and lattice vibrations of minerals. II. Vibational characteristics of silicates 9—100830
Kieffer, S.W. Thermodynamics and lattice vibrations of minerals, III. Lattice dynamics and an approximation for minerals with application to simple substances and framework silicates 9—100831
Kieffer, S.W., Delany, J.M. Isentropic decompression of fluids from crustal and mantle pressures 9—79769
Kieffer, S.W. *see* Smith, B.A. 9—92700
Kiefl, R.F., Warren, J.B., Marshall, G.M., Oram, C.J., Brewer, H.J., Judd, D.J., Spires, L.D. Muonium and positronium production in oxide powders 9—56679
Kiefte, H. *see* Gagnon, R.E. 9—65816
Kiehl, J.T. *see* Chylek, P. 9—84473
Kiehl, M. *see* Gever, E.H. 9—92811
Kiehn, R.M. *see* Post, E.J. 9—67169
Kiehne, H.A., Hess, H. Small lithium cells. Applications in medicine, watches, photography and military equipment 9—96432
Kiejna, A., Wojciechowski, K.F. Work function changes on single crystal planes 9—99604
Kiejna, A., Wojciechowski, K.F., Zebrowksi, J. The temperature dependence of metal work functions 9—78154
Kielbasa, J., Piwowarczyk, J., Rysz, J., Smolarski, A.Z., Stasicki, B. Heat waves in flow metrology 9—68879
Kielbasa, J., Smolarksi, A.Z. Interaction of two hot-wire probes place perpendicularly to the flow velocity vector 9—68825
Kielesinski, M. *see* Denus, S. 9—68939
Kielesinski, M. *see* Dubik, A. 9—50871
Kielhofer, H. Bifurcation of periodic solutions for a semilinear wave equation 9—80449
Kielich, S. *see* Knast, K. 9—51970
Kielich, S. *see* Perinova, V. 9—89872, 9—89873
Kielich, S. *see* Szlachetka, P. 9—95747
Kielkopf, J.F. Deconvolution of instrumental response for asymmetric spectral lines 9—58802
Kielkopf, J.F., Allard, N.F. Observation of the simultaneous additive effect of several xenon perturbers on the Cs 6s-9p doublet 9—76389
Kielman, H.S., Van Steen, P.J.F. Rheological investigation of mesomorphic layers formed at the liquid/liquid interface 9—99063
Kiely, F.M. *see* Garvey, P.M. 9—81060
Kiely, J. *see* Babcock, J. 9—87272
Kiendl, A. Condensation of the superconducting phase in bulk lead 9—56447
Kiene, W. Enhanced magmeter performance with pulsed DC excitation 9—68855
Kienitz, G. *see* Kubiak, J. 9—63279
Kienle, F.A.N. *see* Schoffa, G. 9—70670
Kienle, P. *see* Armbruster, P. 9—76506
Kienle, P. *see* Daniel, H. 9—68014
Kienle, P. *see* Rehm, K.E. 9—97725
Kienle, P. *see* Speth, J. 9—85385
Kienle, P. *see* Zierl, R. 9—63701, 9—85835
Kienow, E. *see* Hennicke, H.W. 9—96080
Kienzle, W. *see* Badier, J. 9—93460
Kiernicki, J. *see* Lin, J.C. 9—74737
Kiernicki, M. *see* Lin, J.C. 9—74737
Kierstead, H.A. Phase diagram and concentration susceptibility of ^{3}He-^{4}He mixtures near the tricritical point 9—56005
Kies, J., Kohler, R., Mohling, W. Additional problems of double crystal topography of small defects with Bragg-Bragg reflection 9—51098
Kieser, W.E., Beukens, R.P., Drake, T.E. A multichannel analyser to computer interface 9—93904
Kiesler, R. *see* Carlson, P.J. 9—68149
Kiesling, C. *see* Chestnut, R. 9—89531
Kiessig, H., Essmann, U., Wiethaup, W. Anisotropy of H_{c1} and B_0 in niobium 9—78260
Kieu Duong Phan Diffusion between lime and sintered kaolinite 9—69296
Kiewit, D.A. *see* Nusta, H.H. 9—57127
Kigatsi, H. *see* Allard, B. 9—79415
Kiguchi, T., Motoda, H., Kobayashi, S., Uchikawa, S., Yokomi, M., Iida, H., Nakamura, H. On-line core performance evaluation and operating guidance system for boiling-water reactors 9—97859
Kihara, J., Torisaka, Y. Strain-tempering of prestressed concrete steel wire by rapid heating 9—70088
Kihara, M. *see* Kamada, S. 9—68033
Kihara, T., Kobashi, K. Molecular librations in the α and γ phases of solid nitrogen based on the core potential 9—86849
Kihlborg, L., Hussain, A. Alkali metal location and tungsten off-center displacement in hexagonal potassium and cesium tungsten bronzes 9—77577
Kihm, R.H. *see* Tatarczuk, J.R. 9—70620

Kiiko, I.A., Morozov, N.A., Kazakov, V.G. Principles and methods of full-scale adaptive simulation applied to computer-aided management of metal working by pressure 9—79055
Kiiranen, K. *see* Ainsaar, A. 9—49038
Kiirend, E.O. *see* Lippmaa, E.T. 9—61909
Kijewski, P.K. *see* Levene, M.B. 9—92367
Kikas, Ya. Determination of homogeneous impurity spectra in stongly inhomogeneous solids 9—73982
Kikas, Ya.V. *see* Gorokhovskii, A.A. 9—95799
Kikiani, B.I., Saliya, Z.E., Gochitashvili, M.R., Kereslidze, T.M., Bagdasarova, I.G. Electron capture in collisions between ions and inert gases at 200-4000 eV 9—76512
Kikic, I. *see* Alessi, P. 9—87871
Kikineshi, A.A. *see* Turyanitsa, I.I. 9—59781, 9—67415
Kikitina, N.V. *see* Kuznetsov, V.I. 9—80924
Kiknadze, L.V., Mamaladze, Yu.G. Vortex formation near protuberances on a solid surface and the structure of the Ginzburg-Pitaevski equations 9—86947
Kikoin, I.K., Lazarev, S.D. Photoelectromagnetic effect 9—69559
Kikuchi, I. *see* Sato, K. 9—80310
Kikuchi, J. *see* Kase, M. 9—76284
Kikuchi, K. On the status of accelerator facilities and their progress in Japan 9—72041
Kikuchi, K. Magnetic study of NiS_2 single crystals 9—91227
Kikuchi, K., Taketani, T. Enhancement of forced convection heat transfer by the effect of direct current high voltage electric field 9—98593
Kikuchi, M. Concentration and thermal annealing behavior of the three groups of luminescence spectra of Eu^{3+} in CdF_2 9—65917
Kikuchi, M. A numerical method for estimation of impulse response and its application to laboratory data 9—80049
Kikuchi, M., Fukamichi, K., Masumoto, T. The ΔE effect in iron-boron and iron-chromium-boron amorphous Invar alloys 9—56595
Kikuchi, M., Fukamichi, K., Masumoto, T. Invar- and Elinvar-type amorphous Fe-Cr-B alloys with high corrosion resistance 9—96213
Kikuchi, M., Ga, E., Funabashi, K., Yusa, H., Uchida, S., Fujita, K. Removal of radioactive cobalt ion in high temperature water using titanium oxide 9—89376
Kikuchi, M. *see* Asakura, Y. 9—93714
Kikuchi, M. *see* Chino, K. 9—59215
Kikuchi, M. *see* Fukamichi, K. 9—56594, 9—96069
Kikuchi, M. *see* Inoue, A. 9—94910
Kikuchi, M. *see* Kitamura, M. 9—85638
Kikuchi, M. *see* Ogawa, Y. 9—67849
Kikuchi, N. A class of rigid punch problems involving forces and moments 9—94560
Kikuchi, N., Ichikawa, Y. Numerical methods for a two-phase Stefan problem by variational inequalities 9—82315
Kikuchi, N. *see* Ichida, K. 9—68522
Kikuchi, R., Cahn, J.W. Theory of interphase and antiphase boundaries in FCC alloys 9—83174
Kikuchi, R. *see* Cahn, J.W. 9—83173
Kikuchi, T. Control of sound velocity in RTV silicon rubber by compounding various powders 9—81614
Kikuchi, T., Ema, Y., Hayashi, T. Rectification phenomena and photovoltaic effects in an amorphous $Se_{1-x1}Te_{x1}$-$Se_{1-x2}Te_{x2}$ heterostructure 9—99610
Kikuchi, T., Nishimoto, K. Theoretical studies of hemoproteins. I. Mathematical description of the allosteric effect 9—64125
Kikuchi, T. *see* Sato, S. 9—66457
Kikuchi, Y. Transient boiling of sodium in seven-pin bundle under transient overpower conditions 9—76056
Kikugawa, T. *see* Ishibashi, Y. 9—91393
Kikugawa, T. *see* Sawada, A. 9—51920
Kikuta, S. *see* Takahashi, T. 9—65972, 9—91562
Kikuta, Y., Araki, T., Ohkubo, A., Yoneda, M., Tsuji, H. Study of metallurgical factors and toughness in structural steel welds 9—52377
Kilambi, G.C. UBV analysis of the open cluster NGC 2571 9—58386
Kil'chevs'ka, E.N. *see* Kilchevskii, N.A. 9—97199
Kilchevskii, N.A., Levchuk, E.F., Kil'chevs'ka, E.N. On geodetic lines in a space invariably connected with a plate stretched and compressed in two mutually orthogonal directions 9—97199
Kildal, H., Iseler, G.W. Higher-order nonlinear processes in $CdGeAs_2$ 9—76761
Kil'dii, A.I. *see* Naida, Yu.I. 9—100073
Kilesnikov, L.Ya. *see* Get'man, V.A. 9—63487
Kilevits, M.R., Kregers, A.F. Stress relaxation in physically nonlinear polymer materials under simultaneous tension and torsion 9—52290
Kiley, J. *see* Hand, L. 9—75979
Kilian, B. *see* Bittrich, H.-J. 9—77762
Kilian, K. The ($K\pi^-$) reaction at CERN 9—85561
Kilian, K. *see* Bertini, R. 9—63623, 9—85565
Kilimontovish, Yu.L., Luzgin, S.N. Kinetic theory of the cooling of atomic gases by resonant electromagnetic radiation 9—77327
Kilin, S.F., Mikhelashvili, M.S., Rozman, I.M. Kinetics of nonlinear luminescence quenching 9—56834
Kilin, S.Ya. Effect of high-power coherent radiation on spontaneous emission of systems of many particles 9—55094
Kiliptari, I.G. *see* Shavishvili, T.M. 9—61263
Kilkenny, D. *see* Brown, A. 9—71030
Kilkenny, D. *see* Whittet, D.C.B. 9—84805
Kilkenny, J.D. *see* Hares, J.D. 9—55528
Kilkis, B., Kaftanoglu, B. A computer aided optimum design method of buildings for maximum solar heat gain 9—57466
Killat, U., Rabe, G., Terrell, D.R. Photothermoplastics for fast optical recording 9—72530
Kille, E. *see* Elliott, L.L. 9—86305
Killeen, J. *see* Schnack, D. 9—73028
Killesreiter, H. Energy transfer in competition to charge transfer as a method to determine the rate constant for charge carrier injection in the sandwich system: cyanine dye monolayer/p-chloranil crystal 9—83031
Killey, R.W.D. *see* Fritz, P. 9—84324
Killian, E.W. *see* Randolph, P.D. 9—93772
Killian, J.W. *see* Lu, Y.P. 9—81794
Killian, K. *see* Cecil, F.E. 9—67706
Killian, T.J. *see* Gibbard, B.G. 9—71756
Killingbeck, J. *see* Galicia, S. 9—58580
Killinger, D.K., Wang, C.C. Direct measurements of the Gibbs free energy of OH using a CW tunable laser 9—100425
Killion, B. *see* Brown, G.J. 9—49877
Killion, M.C., Dallos, P. Impedance matching by the combined effects of the outer and middle ear 9—96571
Killmann, W. *see* Chestnut, R. 9—89531
Killough, G.G. *see* Olson, J.S. 9—88030
Killus, J.P. *see* Whitten, G.Z. 9—52983
Kilner, J.A. *see* Stoneham, A.M. 9—77811
Kilonsky, B. *see* Patzert, W.C. 9—84517
Kilpatrick, D., Duffin, P., Vickery, J.C., Bourdillon, P.J. Apparatus for the rapid measurement of electrocardiographic body surface potentials 9—83987
Kilpatrick, J.E. *see* Larsen, S.Y. 9—85072
Kilpela, E., Jaakkola, S., Kuittinen, R., Talvitie, J. Automated Earth resources surveys using satellite and aircraft scanner data. A Finnish approach 9—100988
Kilpio, A. *see* Horvath, G.Z. 9—72597
Kilroy, W.P., Dallek, S. Differential scanning calorimetry studies of possible explosion-causing mixtures in Li/SO_2 cells 9—52919
Kilroy, W.P., Moynihan, C.T. Atomic absorption analysis of glass 9—61919
Kiltochnik, S.N., Kuchin, I.A. Nucleon fragmentation by diffraction and high-energy γ-quantum production in NN collisions around 10 TeV 9—80174
Kil'yanov, Yu.N. *see* Baryshev, V.I. 9—53535
Kim, A.G., Lifanov, I.I., Ivanov, V.I., Petrov, A.A., Nemchinov, V.A., Rogalova, Z.N. Accurate thermostat for temperatures up to 1500°C 9—49225
Kim, A.K., Lee, Y. A correlation of rewetting temperature 9—59117
Kim, B., Tsai, C.S. Thin-film tunable optical filtering using anisotropic and noncollinear acoustooptic interaction in $LiNbO_3$ waveguides 9—81572
Kim, B.F. *see* Bohandy, J. 9—68240
Kim, C. *see* Moore, P. 9—70200
Kim, C. *see* Weimer, R.J. 9—74255
Kim, C.H. *see* Chang Hyun Chung 9—76060
Kim, C.Hongchul *see* Hongchul Kim, C.
Kim, C.S., Boolchand, P. Chemical bonding in sulfur, selenium and tellurium from ^{129}I and ^{125}Te Mossbauer investigations 9—73867
Kim, C.-S., Ohta, E., Sakata, M. Electrical properties of selenium-diffused silicon 9—69528
Kim, C.W., Primakoff, H. Nuclei as elementary particles in weak and electromagnetic processes 9—97663
Kim, C.W. *see* Holstein, B.R. 9—59036
Kim, D.J. Elastic properties of itinerant electron ferromagnets 9—61035
Kim, D.M., Chen, C.-T. Absorption and gain of laser dyes with picosecond pumping 9—55134
Kim, D.M. *see* Che-Tsung Chen 9—55081
Kim, D.M. *see* Schroeter, J.P. 9—82035
Kim, E.E. *see* Krolikiewicz, H. 9—74738
Kim, H. *see* Destler, W.W. 9—85833
Kim, H.C., Elvin, D.E.C., Rosenhouse, G. The source-strength and specimen-size effects on acoustic emission energy release during work-hardening of NaCl single crystals 9—100167
Kim, H.J. *see* de Lima, A.P. 9—54377
Kim, H.J. *see* Meyer, F.W. 9—59560
Kim, H.J. *see* Piercey, R.B. 9—54393
Kim, H.K. *see* Heinemann, K. 9—77946
Kim, I.M., Lee, M.H. High-temperature longitudinal susceptibility for $S=^1/_2$ XY model. Some numerical evidences 9—87275
Kim, J. D-D neutron and X-ray yields from high-power deuterium beam injectors 9—67942
Kim, J., Haselton, H.H. Analysis of particle species evolution in neutral-beam injection lines 9—85846
Kim, J. *see* Menon, M.M. 9—76238
Kim, J. *see* Stirling, W.L. 9—68117, 9—97920
Kim, J.C. *see* Raburn, W.D. 9—82668
Kim, J.E. Weak-interaction singlet and strong CP invariance 9—80781
Kim, J.H., Kim, S.H., Hahn, E.W. Killing of glucose-deprived hypoxic cells with moderate hyperthermia 9—92157
Kim, J.H. *see* Iwasaki, Y. 9—93495
Kim, J.I. *see* Gryntakis, E.M. 9—57335
Kim, J.K., Koh, I.G. Charged-gluon effects in dilepton production 9—49473
Kim, J.Kwan *see* Kwan Kim, J.
Kim, K. Instability of baroclinic Rossby waves; energetics in a two-layer ocean 9—57938
Kim, K., King, W.T. Integrated intensities in hydrogen cyanide 9—98083
Kim, K., Smoot, B.J., Woerner, R.L., Hendricks, C.D. A new technique for fabricating cryogenic laser-fusion targets using cold-gas jets 9—49833
Kim, K. *see* Buller, T.L. 9—90470
Kim, K. *see* Guttman, J.L. 9—85766
Kim, K. *see* Johnson, K.E. 9—54949
Kim, K.C., Fleming, R., Seitz, D. The infrared absorption spectrum of the isolated UF_5 molecule in the 580-630 cm^{-1} region 9—68227
Kim, K.K., Toulouse, J., Nowick, A.S. Anelastic relaxation of a Li^+-Li^+ split interstitial defect in LiF-doped MnF_2 crystals 9—77678
Kim, K.M. Microdefects in small-diameter silicon crystals grown by the pedestal technique 9—55683
Kim, K.M., Dreeben, A.B., Schujko, A. Maximum stable zone length in float-zone growth of small-diameter sapphire and silicon crystals 9—91582
Kim, K.S. Dynamic propagation of a finite crack 9—90183
Kim, K.S. *see* Park, M.J. 9—94905
Kim, M.E. *see* Wang, C.C. 9—85182
Kim, M.S. *see* Tellinghuisen, J. 9—98140
Kim, M.-U. Two-dimensional slow viscous flow due to the motion of a cylinder on the centerline of a wedge 9—77063
Kim, M.W. *see* Goldburg, W.I. 9—82346
Kim, P.D., Zlobin, V.I., Yakushevich, V.I. Influence of the duration of a magnetic field pulse on the velocity and starting field of a domain boundary 9—65701
Kim, Q., Park, Y.S., Mason, R.S., Luke, T.E., Hengehold, R.L., Yeo, Y.K. Laser annealing of ion-implanted GaAs 9—73193
Kim, R.Y. Fracture of composite laminates by three-point bend 9—83297
Kim, S.C. *see* Hiraki, A. 9—95880
Kim, S.H. Exact closed-form solution for a terminal cost problem of nuclear reactors with distributed parameters 9—54472
Kim, S.H., Betty, K.R., Karasek, F.W. Mobility behavior and composition of hydrated positive reactant ions in plasma chromatography with nitrogen carrier gas 9—74435
Kim, S.H., Pac, P.Y. Heating of a collisionless turbulent plasma by multiphoton absorption 9—82082
Kim, S.H. *see* Grimsrud, E.P. 9—92017
Kim, S.H. *see* Karasek, F.W. 9—74436
Kim, S.H. *see* Kim, J.H. 9—92157
Kim, S.-H., Wang, S.-T., Praeg, W.F., Krieger, C.I., Lieberg, M. Performance tests of a 1.5 MJ pulsed superconducting coil and its cryostat 9—49259
Kim, S.K. *see* Anishetty, R. 9—93293
Kim, S.K. *see* Sperry, W.C. 9—94111
Kim, S.K. *see* van der Ziel, A. 9—60883
Kim, S.S. *see* Hutchison, C.A., Jr. 9—78515
Kim, S.T., Woo, C.H. Bosonization in (1+1) dimensions: an elementary analysis 9—85208
Kim, S.Y. *see* Lee, H.C. 9—66114
Kim, V. *see* Bishaev, A.M. 9—64917
Kim, V.P. *see* Deminov, M.G. 9—62654
Kim, W.T. *see* Kan, T. 9—65481
Kim, Y.B., Ogino, K. Studies on the nematic-isotropic phase transition of 4-methoxybenzylidene 4-n-butylaniline (MBBA) 9—99301
Kim, Y.C., Powers, E.J. Digital bispectral analysis and its applications to nonlinear wave interactions 9—73036
Kim, Y.C., Wong, W.F., Powers, E.J., Roth, J.R. Extension of the coherence function to quadratic models 9—72987
Kim, Y.-C., Oishi, J. On the valence changes of lanthanide elements in compounds and the enthalpies mf formation and stabilities of their dihalides 9—91000
Kim, Y.-C., Yano, H., Misumi, M., Oishi, J. The enthalpy of formation of erbium trifluoride 9—91990
Kim, Y.E. Electromagnetic processes in three-nucleon systems 9—71806
Kim, Y.E. Future prospects for the few-nucleon problems with electromagnetic probes 9—71809
Kim, Y.E., Muslim Asymptotic normalization of the triton D state 9—59017
Kim, Y.E. *see* Arenhovel, H. 9—67563
Kim, Y.E. *see* Drechsel, D. 9—71818
Kim, Y.E. *see* Harper, E.P. 9—54397, 9—67674

Kim, Y.H., Fine, M.E., Mura, T. Plastic yielding at the tip of a blunt notch during static and fatigue loading 9—77010
Kim, Y.I. *see* Caspi, S. 9—61633
Kim, Y.I. *see* Wilkinson, E.C. 9—84051
Kim, Y.S., Noz, M.E. Lorentz deformation of the Bethe-Salpeter wave function 9—54246
Kim, Y.S., Noz, M.E. Physical basis for minimal time-energy uncertainty relation 9—67174
Kim, Y.S., Noz, M.E., Oh, S.H. Representations of the Poincare group for relativistic extended hadrons 9—89099
Kim, Y.S. *see* Lee, S. 9—72385
Kim, Y.W. An analysis of the method for rationalizing high stress exponents in creep of nickel-base superalloys and other alloys 9—66115
Kim Dong Hoon *see* Dong Hoon Kim
Kim Heung Sik *see* Heung Sik Kim
Kim Hwang Su *see* Hwang Su Kim
Kim Hyun Woo *see* Hyun Woo Kim
Kim Jin Soo *see* Jin Soo Kim
Kim Khan Dyk *see* Khan Dyk Kim
Kim Kwang-Youl *see* Kwang-Youl Kim
Kim Malmin, O. *see* Breckenridge, W.H. 9—49979
Kim Moon Il *see* Moon Il Kim
Kim Myung Ki, Hong Chang Hi, Choi Boo Kwi A study on the fabrications and the principal features of solar cell 9—60916
Kim Seong Yun *see* Seong Yun Kim
Kim Soo Y. *see* Soo Y. Kim
Kim Tong-Hoon *see* Tong-Hoon Kim
Kim Wha-Tek Photovoltaic effect of the Si-ZnSe n-n heterojunction 9—60915
Kim Yong Che *see* Yong Che Kim
Kim Yong-Ki *see* Yong-Ki Kim
Kim Young Soon *see* Young Soon Kim
Kim Young-Won *see* Young-Won Kim
Kim-Serebryakov, Yu.V. *see* Gamazkov, S.M. 9—87713
Kimata, M. *see* Hiramatsu, T. 9—65553
Kimata, M. *see* Sueno, S. 9—99145
Kimball, C.W., Van Landuyt, G., Barnett, C., Shenoy, G.K., Dunlap, B.D., Fradin, F.Y. Hyperfine interaction studies of Chevrel phase superconductors 9—56650
Kimball, C.W. *see* Dunlap, B.D. 9—56651
Kimball, C.W. *see* Shenoy, G.K. 9—73613
Kimball, J.C., Adams, L.W., Jr., Goodrich, R.G. Parametrized model for obtaining electron scattering rates from radio-frequency size-effect data 9—69541
Kimball, J.C. *see* Suh, Y.B. 9—85066
Kimbarow, M.L. *see* Daly, D.A. 9—57677
Kimberley, B.P., Searle, C.L. Automatic discrimination of fricative consonants based on human audition 9—55286
Kimble, R., Kahn, S., Bowyer, S. BD+61°1211 9—92803
Kimerling, L.C. Defect state microscopy 9—94856
Kimerling, L.C. *see* Benton, J.L. 9—69609
Kimerling, L.C. *see* Cheng, L.J. 9—83052
Kimerling, L.C. *see* Patel, J.R. 9—82549
Kimerling, L.C. *see* Troxell, J.R. 9—82201
Kimishima, Y. *see* Miyako, Y. 9—56546
Kimizuka, N. *see* Horiuchi, S. 9—60513
Kimmel, G., Nehama, E. Tensile ductility of U_3Si above room temperature 9—74225
Kimmerle, F.M., Menard, H. Adsorption of Et_4NBr at the mercury/electrolyte interface from water and heavy water solutions 9—83459
Kimmich, R. *see* Koch, H. 9—65754
Kimmich, R. *see* Peters, A. 9—92173
Kimoto, H., Ito, T., Hirose, T. Ultrasonic atomization of some polymer solutions 9—68468
Kimtis, L.L. *see* Balyavichyus, V.I. 9—64068, 9—96350
Kimtys, L.L. Specificity of high resolution ^1H and ^{13}C NMR spectra of solid fatty carboxylic acids 9—95653
Kimura, A. *see* Kimura, H. 9—78988
Kimura, H., Hosino, M., Nakano, H. Temperature dependent pitch in cholesteric phase 9—86706
Kimura, H., Matsui, H., Moriya, S., Kimura, A. Reply to the comment made by Asano et al. on the hydrogen induced softening in high purity iron in their paper, 'Lattice hardening and anomalous softening of iron and steel caused by electrolytic hydrogen charging' 9—78988
Kimura, H., Nakano, H. Orientational phase transition in the system of flexible molecules 9—82311
Kimura, H., Yamaguchi, T., Shiraishi, T., Tsubokawa, M., Tanaka, H. Irradiation effects on the weldability and adhesiveness of polypropylene 9—60405
Kimura, H. *see* Baron, R. 9—51512
Kimura, H. *see* Fuchi, H. 9—63548, 9—80112, 9—85299
Kimura, H. *see* Hosino, M. 9—77729
Kimura, H. *see* Inoue, A. 9—73133, 9—96134
Kimura, H. *see* Kusanagi, H. 9—82854
Kimura, H. *see* Masumoto, T. 9—96212
Kimura, H. *see* Ohasa, K. 9—64906
Kimura, I., Idogaki, T. On the presence of the S_2 ^{4}-term in $Fe(HCOO)_2{\cdot}2H_2O$ 9—61127
Kimura, I., Idogaki, T. On the specific heat of $Fe(HCOO)_2{\cdot}2H_2O$ 9—91235
Kimura, I. *see* Takeda, H. 9—83990
Kimura, I. *see* Tsutsui, M. 9—73047
Kimura, I. *see* Yamamoto, S. 9—54433
Kimura, J. *see* Walker, D.D. 9—70654
Kimura, K. Ionic radii and metallic radii based on a pseudopotential 9—86738
Kimura, K., Kyoshima, A., Itoh, A., Mannami, M. Neutralization of energetic light ions at a solid surface 9—74043
Kimura, K., Nakahara, Y., Yagi, T., Inokuchi, H. Electrical conduction of hemoprotein in the solid phase: anhydrous cytochrome c_3 film 9—66439
Kimura, K. *see* Endo, K. 9—74281
Kimura, K. *see* Katsumata, S. 9—58847, 9—59511, 9—93232, 9—98151
Kimura, K. *see* Nomoto, K. 9—59510
Kimura, K. *see* Udagawa, M. 9—57455
Kimura, M. An apparatus for X-ray diffraction by oscillation technique 9—63329
Kimura, M., Okahara, K., Miyamoto, T. Tunable multilayer-film distributed-Bragg-reflector filter 9—76838
Kimura, M. *see* Fukushi, K. 9—89677
Kimura, M. *see* Masaki, S. 9—100603
Kimura, M. *see* Ohi, K. 9—56744
Kimura, N., Miyakoshi, T., Kanazawa, A. Bias-free pole search on the S* resonance 9—58976
Kimura, S. *see* Irie, T. 9—87096
Kimura, S. *see* Kato, K. 9—99140
Kimura, S. *see* Muraoka, Y. 9—65221
Kimura, S. *see* Shindo, I. 9—78873
Kimura, T., Fueki, K. Ground state of energy of excess electrons in liquid rare gas-propane systems 9—57346
Kimura, T., Fueki, K. On excess electron localization in ethane clusters 9—68341
Kimura, T., Kotaka, I., Yoshikawa, S. Estimation of surface-acoustic-wave attenuation due to platelet defects 9—95253
Kimura, T., Nakahara, M., Sakaguchi, S. Primary coating materials for optical fiber 9—59818
Kimura, T., Onuki, K., Yoshikawa, S. Repetitive readout effect of a polarization echo 9—82913
Kimura, T. *see* Endo, R. 9—71334, 9—71335
Kimura, T. *see* Hasumi, A. 9—75703
Kimura, T. *see* Ito, M. 9—81427
Kimura, T. *see* Okuda, S. 9—51136
Kimura, T. *see* Sakai, J. 9—59819, 9—81534
Kimura, T. *see* Sakata, Y. 9—83581
Kimura, T. *see* Yamada, J. 9—59812
Kimura, Y. *see* Endo, K. 9—72046
Kin-Kwok Hui, Cool, T.A. Experiments concerning the laser enhanced reaction between $O_3(\dagger)$ and NO 9—66285
Kinaka, R. *see* Arita, M. 9—77772
Kinany, R. *see* Debrus, S. 9—81376
Kinard, D.P. *see* Christopher, R.J. 9—93123
Kinbara, A. *see* Baba, S. 9—86992
Kinbara, A. *see* Kawaji, M. 9—77930, 9—82491
Kincaid, J.M. *see* Baker, G.A., Jr. 9—63161
Kinchakov, V.S. *see* Inopin, E.V. 9—63571
Kincheloe, N.K., Rehfuss, D.E., Anselmo, J.C. High-pressure Hugoniots of porous silicates 9—95080
Kinchin, G. The Safety and Reliability Directorate 9—71902
Kinchin, G.H. Safety and reliability 9—71904
Kind, R., Blinc, R., Zeks, B. Dynamics of structural phase transitions in $(CH_3NH_3)_2CdCl_4$-type compounds 9—73309
Kind, R., Plesko, S., Arend, H., Blinc, R., Zeks, B., Seliger, J., Lozar, B., Slak, J., Levstik, A., Filipic, C., Zagar, V., Lahajnar, G., Milia, F., Chapuis, G. Dynamics of the n-decylammonium chains in the perovskite-type layer structure compound $(C_{10}H_{21}NH_3)_2CdCl_4$ 9—99313
Kindel, J.M., Lindman, E.L. Target designs for energetic ions 9—54218
Kinder, H. *see* Mattes, J. 9—65150
Kinder, H. *see* Weber, J. 9—60573, 9—73391
Kinderlerer, J., Ainsworth, S. The exponential model for a regulatory enzyme: a computer program to determine the constants for the binding of a single ligand 9—79454
Kindle, M.L. *see* Parrino, P.A. 9—88163
Kinduris, A.S. Cryostat for an IKS-21 spectrometer 9—67396
Kinel, J. *see* Kupka, M. 9—96279
King, A. *see* Berndt, M. 9—68025
King, A. *see* Close, E. 9—72098
King, A.I. *see* Levine, R.S. 9—70717
King, A.R., Lasota, J.P. Accretion on to highly magnetized white dwarfs 9—92764
King, A.R., Ricketts, M.J., Warwick, R.S. The detection of an X-ray outburst from the old nova GK Per 9—67033
King, A.R., Rohrer, H. Spin-flop bicritical point in MnF_2 9—87277
King, A.R. *see* Riedi, P.C. 9—61098
King, A.S. *see* Chao, A.W. 9—72208
King, C.H. *see* Austin, S.M. 9—54441
King, C.H. *see* Wolf, K.L. 9—63693
King, D.J., Taylor, K.N.R., Tritton, K.P. Nebulosity in the region of the South Celestial Pole 9—92839
King, D.S. Proper motions in the region of the galactic cluster NGC 2516 9—88706
King, D.S., Stephenson, J.C. Laser intensity effects in the IR multiphoton decomposition of CF_2HCl 9—98168
King, D.S. *see* Akins, D.L. 9—94061
King, D.S. *see* Cox, A.N. 9—67021, 9—97004
King, D.S. *see* Stephenson, J.C. 9—68257
King, D.T. Early cascade development of energetic electrons 9—89158
King, E.J. *see* Brabb, E.E. 9—88273
King, F.D., Black, J.E. Design comparisons for away-from-reactor spent-fuel storage basins 9—59200
King, F.W., Schatz, G.C. Theory of Raman scattering by molecules adsorbed at electrode surfaces. Model calculations for resonance Raman scattering by an adsorbed diatomic 9—51421
King, F.W., Schatz, G.C. Stochastic theory of vibrational energy transfer in collinear atom-diatom collisions: the role of non-markovian effects 9—81262
King, G. *see* Wolf, K.L. 9—63693
King, G.A. *see* Woon Sang Yu 9—88160
King, G.B. *see* Ho, J.C. 9—60518
King, G.C. *see* Mohamed, K.A. 9—89640
King, G.W., Littlewood, I.M., McFadden, R.G., Robins, J.R. Two-photon absorption spectroscopy of iodine monochloride in the 5 eV region 9—89687
King, G.W. *see* Clements, D.L. 9—97187
King, H. *see* Haake, F. 9—76651
King, H.T., Hass, M., Glashausser, C., Sosnowski, M., Robbins, A.B. Nuclear substate populations near the Coulomb barrier in $^{12}C(^{16}O, \alpha)^{24}Mg(2_1^+)$ 9—67657
King, J. *see* Andrews, R.A. 9—67990
King, J.D. Stellar rates for some reactions affecting production of $^{26}Al(7.3\times10^5$ yr) during carbon burning 9—70948
King, J.D. *see* Cheng, C.W. 9—85470
King, J.F. *see* Klueh, R.L. 9—66124, 9—93726
King, J.J. *see* Randolph, P.D. 9—93772
King, J.L. *see* Schuchardt, J.M. 9—80061
King, K.W. *see* Hays, W.W. 9—88287
King, M.D., Byrne, D.M., Herman, B.M., Reagan, J.A. Aerosol size distributions obtained by inversion of spectral optical depth measurements 9—80020
King, M.D., Herman, B.M. Determination of the ground albedo and the index of absorption of atmospheric particulates by remote sensing. I. Theory 9—88438
King, M.E. *see* Olson, R.R. 9—87538
King, M.J. *see* Thomas, T.R. 9—80575
King, M.S. Thermal conductivity measurements on saturated rocks at permafrost temperatures 9—84232
King, N. *see* Cverna, F. 9—85315
King, N. *see* Savage, J.C. 9—74883, 9—84079
King, N.S. *see* Cottingame, W.B. 9—85535
King, N.S.P. *see* Boudrie, R.L. 9—85540
King, N.S.P. *see* Shepard, J.R. 9—67656
King, N.S.P. *see* Willard, H.B. 9—63502
King, P. *see* Johns, O.T. 9—57799
King, P.J. *see* Hasan, F. 9—65157
King, P.J. *see* Hasan, F.I. 9—82971, 9—87068
King, R., Buckius, R.O. Direct solar transmittance for a clear sky 9—74948
King, R. *see* Buckius, R.O. 9—83575
King, R. *see* Holmes, J.B. 9—62969
King, R. *see* Kemp, J.C. 9—67039
King, R.F., Latimer, C.J. Formation of highly excited hydrogen atoms by electron capture in proton collisions 9—54963
King, R.N. *see* Jonkman, H.T. 9—74441
King, R.T. *see* Gray, R.J. 9—61816
King, R.W.P. Electromagnetic waves and antennas above and below the surface of the Earth 9—66620
King, R.W.P., Blejer, D.J., Sandler, B.H. Current induced on single and crossed electrically short and thin tubular cylinders by a normally incident plane electromagnetic wave 9—89830
King, R.W.P., Sandler, B.H., deBettencourt, J.T. Lateral-wave propagation of electromagnetic waves in the lithosphere 9—92482
King, T.A. *see* Adshead, A. 9—91457
King, T.A. *see* Baker, H.J. 9—76681, 9—81468
King, T.A. *see* Delides, C.G. 9—95091
King, V. *see* Lauer, J.L. 9—79714
King, W.D. Vapor depletion in processing membrane filters: the effects of chamber parameters 9—70858
King, W.D. Effective extinction efficiencies for large spheres using weakly collimated light 9—72487
King, W.D., Parkin, D.A., Handsworth, R.J. A hot-wire liquid water device having fully calculable response characteristics 9—88489
King, W.H. The push-me-pull-you capacitor: a discussion topic 9—97160
King, W.S. *see* Berger, S.A. 9—92198
King, W.T., Oliver, B.F. The metallography of multiphase eutectics 9—61823
King, W.T. *see* Kim, K. 9—98083
King-Hele, D.G. The Earth's neutral upper atmosphere 9—75006
King-Smith, P.E., Riggs, L.A. Visual sensitivity to controlled motion of a line or edge 9—53142
Kingcade, J.E., Jr., Dufner, D.C., Gupta, S.K., Gingerich, K.A. A thermodynamic study of the gaseous molecules $CuSn_2$ and Cu_2Sn 9—70360

Kingery, W.D., Sande, J.B.V., Mitamura, T. A scanning transmission electron microscopy investigation of grain boundary segregation in a ZnO-Bi_2O_3 varistor 9—78980
Kingery, W.D. *see* Black, J.R.H. 9—78979
Kingery, W.D. *see* Gourdin, W.H. 9—99180, 9—99181
Kingery, W.O., Mitamura, T., Vander Sande, J.B., Hall, E.L. Boundary segregation of Ca, Fe, La and Si in magnesium oxide 9—70069
Kingman, D.D. *see* Cline, C.F. 9—95171
Kingslake, R. Lens design without a computer 9—86235
Kingsley, D.P.E., Kendall, B.E. The CT scanner in posterior fossa tumours of childhood 9—100702
Kingsley, S.A., Culshaw, B., Davies, D.E.N., Hall, T.J. Fibre-optic microphones and hydrophones: a comparison with conventional devices 9—72717
Kingston, A.E. *see* Berrington, K.A. 9—50136
Kingston, A.E. *see* Fon, W.C. 9—64107
Kingston, H.M., Barnes, I.L., Brady, T.J., Rains, R.C. Separation of eight transition elements from alkali and alkaline earth elements in estuarine and seawater with chelating resin and their determination by graphite furnace atomic absorption spectrometry 9—74557
Kingston, R.H. Electroabsorption in GaInAsP 9—78652
Kingston, R.H. *see* Spears, D.L. 9—69568
Kingston Owens, D., Muehlner, D.J., Weiss, R. A large-beam sky survey at millimeter and submillimeter wavelengths made from balloon altitudes 9—97045
Kingston-Lee, D.M. *see* Yates, B. 9—55909
Kingstone, D., Newman, S.P., Boss, A.M.B. A simple and convenient method for processing radioimmunoassay data 9—70614
Kini, U.D. Shear flow of cholesterics normal to the helical axis 9—86689
Kini, U.R. *see* Ashawa, S.C. 9—79659
Kini, V.Quang *see* Quang Kini, V.
Kinias, P., Fozzard, H.A., Norusis, M. A dual-processor computer for arrhythmia analysis 9—66569
Kink, M.F., Parts, T.-E.M. Electron-hole recombination processes in AIIBVI crystallophores doped by elements of groups III and VII 9—65919
Kink, R.A., Lykhmus, A.E. X-ray and photoluminescence of xenon crystals 9—87480
Kinloch, D.R. The culturing process: new life for quartz 9—81494
Kinloch, K.A.R., Fraser, S.M. The layergram iterative method of reconstructing three-dimensional refractive index distributions 9—54172
Kinlock, A.J. *see* Gledhill, R.A. 9—70293
Kinman, T.D. *see* Butler, D. 9—88660
Kinn, J.B. *see* Smialowicz, R.J. 9—100667
Kinnersley, W. *see* Cox, D. 9—71311
Kinney, D.S. *see* Morris, T.W. 9—84067
Kinney, J.A.S., Paulson, H.M., Beare, A.N. The ability of color defectives to judge signal lights at sea 9—53119
Kinney, J.H. *see* Guinan, M.W. 9—63810
Kinney, W.I., Wolf, W.P. Magnetic interactions and short range order in gadolinium gallium garnet 9—78401
Kinnison, W.W. *see* Carrington, R.L. 9—76257
Kinnunen, R., Tornqvist, N.A. Unitarity corrections to the vector-meson masses and mixing angles 9—49487
Kino, G.S. Acoustic imaging for nondestructive evaluation 9—66230
Kino, G.S., Hunter, J.B., Johnson, G.C., Selfridge, A.R., Barnett, D.M., Hermann, G., Steele, C.R. Acoustoelastic imaging of stress fields 9—77033
Kino, G.S. *see* Bowers, J.E. 9—55304
Kino, G.S. *see* Corl, P.D. 9—52611
Kino, G.S. *see* Desilets, C.S. 9—57194
Kino, S. *see* Kitajima, T. 9—62702
Kino, T. *see* Endo, T. 9—65425
Kino, T. *see* Hashimoto, E. 9—69280
Kino, T. *see* Shimomura, Y. 9—99242
Kino, Y. *see* Kakudate, Y. 9—56222
Kinoshita, F. *see* Kondo, M. 9—53230
Kinoshita, J. *see* Berenz, J.J. 9—51587
Kinoshita, J. *see* Uwe, H. 9—73426
Kinoshita, J. *see* Yoshihiro, K. 9—95786
Kinoshita, K., Kinoshita, Y. Properties of large p_T jets in massive lepton-pair production at large q_T 9—54326
Kinoshita, K., Minaka, A., Sumiyoshi, H. Multichain model for high energy hadron nucleus collisions 9—59042
Kinoshita, K., Noda, H., Tashiro, T., Mizouchi, M. A simple treatment of hadron fragmentation processes in hadron-hadron collisions 9—58940
Kinoshita, M. *see* Hachimura, K. 9—88180
Kinoshita, M. *see* Nishi, N. 9—81233
Kinoshita, S. *see* Mutoh, T. 9—90425
Kinoshita, S. *see* Ohtani, K. 9—62630
Kinoshita, S. *see* Yajima, K. 9—83992
Kinoshita, T. *see* Futamura, Y. 9—49706
Kinoshita, T. *see* Matsukura, T. 9—70376
Kinoshita, T. *see* Nakajima, H. 9—86312
Kinoshita, T. *see* Tanaka, S. 9—93890
Kinoshita, Y. *see* Kinoshita, K. 9—54326
Kinosita, K. *see* Takeuchi, H. 9—77964
Kinsbron, E., Gallagher, P.K., English, A.T. Dissociation of GaAs and $Ga_{0.7}Al_{0.3}As$ during alloying of gold contact films 9—79357
Kinser, D.L. *see* Perry, C.H. 9—73691
Kinsey, J.H. *see* Robb, R.A. 9—66520
Kinsey, J.L. *see* Murphy, E.J. 9—80692
Kinsey, J.L. *see* Vila, C.L. 9—61855
Kinshofer, G. *see* Aulich, H. 9—50427
Kinsman, K.R., Tennenhouse, G.J., Doremus, R.H. Discussion of the spatial distribution of β- and β''-alumina in polycrystalline ceramics [and reply] 9—66045
Kinsman, K.R. *see* Govila, R.K. 9—57090
Kinsman, R.G. Temperature compensation of crystals with parabolic temperature coefficients 9—55294
Kintner, P.M., Jr. *see* Saflekos, N.A. 9—75043
Kinugasa, T. *see* Aoki, K. 9—83020
Kinzel, W. Remanent magnetization in spin glasses—a Monte Carlo investigation 9—61166
Kinzel, W. Percolation cluster numbers by real-space renormalization 9—75474
Kinzel, W. New real-space renormalization techniques and their application to models of various spin and space dimensionalities 9—78420
Kinzel, W. Remanent magnetization in spin-glasses 9—78421
Kinzhibalo, V.V. *see* Zarechnyuk, O.S. 9—56957
Kinzig, B.J., Ravner, H. Factors contributing to the properties of fluoropolymer barrier films 9—51197
Kioseva, M.E. *see* Shtern, E.N. 9—53014
Kiosse, G.A. *see* Alekseevskii, N.E. 9—86773
Kiparisov, S.S., Perel'man, V.E., Roman, O.V. Laws of densification of powder materials 9—66021
Kiparisov, S.S., Shvetsova, G.A., Lobova, T.A., Sergeeva, L.M., Pimenova, A.Z., Volodina, G.A. Structure and properties of a self-lubricating material based on tungsten diselenide 9—100267
Kiparisov, S.S. *see* Bogodukhov, S.I. 9—52530
Kipke, H.E. *see* Banerjea, A. 9—69266
Kiplinger, A.L. A radial velocity study of SS Cygni and RU Pegasi 9—62833
Kippenhahn, R., Thomas, H.-C. HZ Herculis and the match paradox 9—71070
Kipperman, A.H.M. *see* Van Zolingen, R.J.C. 9—82482
Kipphan, H., Mesch, F. Flow measurement systems using transit time correlation 9—68880
Kipriyanov, A.A. *see* Doktorov, A.B. 9—63927, 9—72351
Kirakosyan, A.A., Sarkisyan, E.A. Indirect transitions due to surface roughnesses of a quantized semiconductor wire 9—91397
Kiraly, P., Kota, J., Osborne, J.L., Stapley, N.R., Wolfendale, A.W. The anisotropy of cosmic rays from 10^{11} to 10^{20} eV 9—66892
Kirby, K., Guberman, S., Dalgarno, A. Resonant dissociative photoionization of H_2 9—68272
Kirby, K., Saxon, R.P., Liu, B. Oscillator strengths and photodissociation cross sections in the $X \rightarrow A$ and $X \rightarrow B'$ band systems in MgH 9—94045
Kirby, R.D., Duffey, J.R. Simple helium cryostat for Raman spectroscopy 9—67312
Kirch, N. *see* Arndt, E. 9—97758
Kirchartz, K.R. *see* Buhler, K. 9—55368
Kircher, C.J. *see* Basavaiah, S. 9—65617
Kircher, C.J. *see* Harris, E.P. 9—83042
Kircher, C.J. *see* Murakami, M. 9—90918
Kircher, F., Buhler, S. Operation of the superconducting solenoid 'SUPER-SOLO' and its switch 9—54222
Kircher, F., Leininger, M. Construction of energy doubler correction magnets 9—68042
Kircher, R. *see* Schmid, E.W. 9—85389
Kircheva, R. *see* Mihailov, M. 9—64126
Kirchgessner, J.L. *see* Billing, M.G. 9—72164
Kirchheim, R. Processes of oxygen and nitrogen transfer in transition metals 9—55931
Kirchheim, R. Metals as sinks and barriers for interstitial diffusion with examples for oxygen diffusion in copper, niobium and tantalum 9—60553
Kirchheim, R., Hofmann, S. Coverage of foreign atoms on surfaces as a function of adsorption, sputtering, and diffusion rates 9—69354
Kirchheim, R. *see* Mathuni, J. 9—95216, 9—99323
Kirchhoff, R.H., Modarresi, K., Murphy, P. The interaction of the wind field with a horizontal axis wind turbine 9—83551
Kirchhoff, R.H. *see* Van Dusen, E.S. 9—83552
Kirchhoff, V.W.J.H. *see* Clemsha, B.R. 9—79964
Kirchhoff, V.W.J.H. *see* Simonich, D.M. 9—74932
Kirchhoff, W.V.J.H., Clemesha, B.R., Simonich, D.M. Sodium nightglow measurements and implications on the sodium photochemistry 9—70905
Kirchner, G.F. *see* Vroom, J.P. 9—97784
Kirchner, H.H. *see* Siegel, V. 9—100028
Kirchner, H.P., Gruver, R.M. A fractographic criterion for subcritical crack-growth boundaries in hot-pressed alumina 9—100243
Kirchner, H.P., Kirchner, J.W. Fracture mechanics of fracture mirrors 9—79082
Kirchner, J.W. *see* Kirchner, H.P. 9—79082
Kirchner, K., Vettermann, R., Indruch, H. Kinetics of the reactions of mercaptans with $O(^3P)$ under consideration of the influence of molecular oxygen 9—52630
Kirchner, R. *see* Schardt, D. 9—93567
Kirchner, S.J. *see* Oona, H. 9—92024
Kirchner, W.L. *see* Dallman, J.C. 9—89430
Kirchoefer, S.W. *see* Chin, R. 9—91483
Kirchoefer, S.W. *see* Dupuis, R.D. 9—50309
Kirchoefer, S.W. *see* Rezek, E.A. 9—89906
Kirczenow, G., Barrie, R., Bergersen, B. Basis functions for studying intervalley effects in doped silicon 9—69442
Kirczenow, G., Barrie, R., Bergersen, B. Screening of donor ions in silicon 9—69466
Kirczenow, G., Singwi, K.S. Unusual phase diagrams of a two-component Coulomb Fermi liquid 9—63137
Kirczenow, G., Singwi, K.S. Ground-state properties of the electron-hole liquid in Ge under (111) uniaxial stress 9—69428
Kirdyashev, K.P. *see* Glotova, N.N. 9—55575
Kirdyashkin, A.G. *see* Kutateladze, S.S. 9—98721, 9—98722
Kireev, O.A. *see* Grekhov, I.V. 9—73581
Kireev, P.S. *see* Kornitskii, A.G. 9—87493
Kireev, V.A. *see* Shcherban', A.N. 9—68548
Kireev, V.B., Abramov, I.V., Maslenkov, S.B., Abramov, O.V. Role of interphase-active additives in process of crystallisation of dispersion-hardened material with Nichrome base 9—74143
Kireev, V.B. *see* Deryabkin, V.N. 9—70535
Kireeva, G.G. *see* Virgil'ev, Yu.S. 9—71896, 9—71900
Kirfel, A., Gupta, A., Will, G. The nature of the chemical bonding in boron carbide, $B_{13}C_2$. I. Structure refinement 9—55702
Kirgizbaev, R.A., Shamuzafarova, G.Sh. The use of the constant power source method to investigate the thermal characteristics of materials 9—95222
Kiriakidis, G., Christodoulides, C.E., Carter, G., Colligon, J.S. An RBS technique for measurement of the erosion rate of ion implanted films 9—74038
Kiriakidis, G., Colligon, J.S., Chenakin, S.P. Secondary ion mass spectrometric study of self-sputtered copper 9—74044
Kirichenko, A.Ya. *see* Burtyka, M.V. 9—85181
Kirichenko, E.P., Ivanova, M.I., Udalova, E.I. Kinetics of the transformation of austenite in steels 12Kh13 and 15Kh11MF 9—87612
Kirichenko, E.V. Design principle for optical systems of infinitely thin components 9—76794
Kirichenko, G.S. *see* Aliev, S.A. 9—68933
Kirichenko, G.S. *see* Virko, V.F. 9—98888
Kirichenko, I.K., Peskovatsky, S.A., Seminozhenko, V.P. Nonequilibrium induction of superconductivity by tunneling injection 9—91194
Kirichenko, N.A., Blinov, L.M. Charge-transfer states and optical spectra in the condensed phase 9—95800
Kirichenko, O.V. Surface impedance oscillations of thin conductors in the radio frequency range 9—91090
Kirichenko, T.K. *see* Bol'shov, L.A. 9—89975
Kirichenko, V.N. *see* Berezhnoi, V.M. 9—92581
Kirichenko, V.V. *see* Chelyshev, V.V. 9—57169
Kirichenko, V.V. *see* Zharkov, V.G. 9—99036
Kirichenko, Yu.A. Temperature stratification in closed liquid-filled volumes with constant heat-flux density at the shell 9—81871
Kirichenko, Yu.A. *see* Verkin, B.I. 9—60493, 9—60494
Kirichenko, Yu.V., Inopin, E.V., Gonchar, V.Yu. Nuclear incompressibility calculation by the Hartree-Fock method 9—49577
Kirichenko, Yu.V., Inopin, E.V., Gonchar, V.Yu. Properties of incompressibility of nonsymmetrical nuclear matter 9—59030
Kirichevskii, V.V. *see* Zav'yalov, G.G. 9—53979
Kirichkov, S.E. *see* Galin, M.B. 9—100896
Kirichok, E.A. *see* Sharanevich, L.N. 9—78790
Kirichok, P.P. *see* Sharanevch, L.N. 9—52046
Kirienko, V.I. *see* Khlyntsev, V.P. 9—66052, 9—82158
Kirihara, T. *see* Koyama, K. 9—78908
Kirihata, H. Effects of gas pressure and sample temperature during slow electron excitation on exoelectron emission 9—61505
Kirihata, H., Akutsu, J. Formation of exoelectron emission centers by slow electron impact 9—52088
Kirihata, H., Tajima, N., Kitsunai, T., Nishi, K. Measurements of exoelectron emission by slow electron impact 9—100029
Kirihata, Y. *see* Katsumata, S. 9—58847, 9—93232
Kirii, V.G. *see* Psarev, V.I. 9—87607
Kiriki, M. *see* Nagao, M. 9—52759
Kirikov, V.A. *see* Gladkii, V.V. 9—69779
Kirikov, V.A. *see* Gladkin, V.V. 9—65808
Kirikov, V.A. *see* Rokos, I.A. 9—87396
Kirilenko, A.O. A rigorous calculation of the prism in the multimode waveguide corner 9—76819
Kirilenko, D.A., Pankov, O.M. Aerodynamic investigation of a planar multi-channel subsonic venturi tube 9—50796

Kirilin, A.I. *see* Korshak, V.V. 9—57307
Kirillov, A.D. *see* Abdivaliev, L. 9—93568
Kirillov, A.D. *see* Baldin, A.M. 9—72125
Kirillov, G.A. *see* Vyskubenko, B.A. 9—64250
Kirillov, I.R. *see* Andreev, A.M. 9—77276
Kirillov, S.A. *see* Chesnokov, A.D. 9—57644
Kirillov, S.K., Firsov, N.N. Determination of some dynamic characteristics of forming bone callus by the induced vibration method 9—62284
Kirillov, V.I., Pribylov, N.N., Rembeza, S.I., Spirin, A.I. Behavior of chromium in diffusion-doped gallium phosphide 9—73343
Kirillov, V.I. *see* Postnikov, V.S. 9—73252
Kirillov, Yu.V., Apaev, B.A., Madyanov, S.A. Effect of austenitizing on softening of chromium and manganese steels during tempering 9—96052
Kirillov-Ugryumov, V.G. *see* Gal'per, A.M. 9—80133
Kirillov-Ugryumov, V.G. *see* Voronov, S.A. 9—76267
Kirillova, L.F. *see* Avdeichikov, V.V. 9—97711
Kirillova, N.N. *see* Volkova, G.A. 9—64299
Kirillova, V.M. *see* Savitskii, E.M. 9—70114
Kirillowa, V.M. *see* Savitsky, E.M. 9—52277
Kirimoto, T. *see* Satomura, Y. 9—50408
Kirin, V.N. *see* Potekhin, K.A. 9—86784, 9—86785, 9—90639, 9—90640
Kirk, D.L. The relationship between the defect structure and the intrinsic ionic conductivity of monocrystalline sodium chloride 9—95211
Kirk, D.L. *see* Jones, C.J. 9—60922, 9—61473
Kirk, G.A. *see* Adams, R. 9—49359
Kirk, H. *see* Cochet, C. 9—80854
Kirk, H.G. *see* Baltay, C. 9—75770
Kirk, J.A.Van *see* Van Kirk, J.A.
Kirk, M.A., Conner, R.A., Wozniak, D.G., Greenwood, L.R., Malewicki, R.L., Heinrich, R.R. Sputtering of gold by fast neutrons 9—61470
Kirk, P.N. *see* Ruiz, C.L. 9—85438
Kirk, R.G. *see* Halloran, B.P. 9—62416
Kirk, T.B.W. *see* Loomis, W.A. 9—71757
Kirk, W.P., Twerdochlib, M., Chesire, D.P. A double sample cell NMR technique for magnetic susceptibility measurements in solid ^{3}He 9—63225
Kirk, W.P. *see* Twerdochlib, M. 9—55980
Kirkaldy, J.S. On the nature of the diffusion potential 9—63171
Kirkaldy, J.S. *see* Young, D.J. 9—65229
Kirkbride, G.I. *see* Loomis, W.A. 9—71757
Kirkbride, I. *see* Chestnut, R. 9—89531
Kirkby, C.J. A survey of optical data processing 9—81382
Kirkby, P.A., Selway, P.R., Westbrook, L.D. Photoelastic waveguides and their effect on stripe-geometry $GaAs/Ga_{1-x}Al_xAs$ lasers 9—94245
Kirkby, P.A. *see* Goodwin, A.R. 9—72567
Kirkerud, T., Klaeboe, P., Oye, H.A. Raman studies of $SnCl_2$-AlkAlCl$_4$ melts 9—99874
Kirkham, M.B., Adriano, D.C., Corey, J.C. Comparison of plutonium concentrations in deer from the Southeastern United States and in deer from an integrated nuclear fuel cycle facility 9—57778
Kirkhbakh, M., Eger, Kh.U. Investigation of high-lying one-hole states in 1p shell nuclei 9—59004
Kirkin, A.N., Leontovich, A.M., Mozharovskii, A.M. Generation of high power ultrashort pulses in a low-temperature ruby laser with a small active volume 9—89932
Kirkin, A.N. *see* Blazhenkov, V.V. 9—64266
Kirkland, E.J., Siegel, B.M. Error sensitivity as a limit to resolution in computer image processing of elecron micrographs 9—71570
Kirko, G.E. Contactless measurement of conductivity with the motion of a conducting cylinder in the field of a short solenoid 9—75554
Kirko, V.I. Effect of high-enthalpy plasma from an explosive source on the inner surface of a cavity and channel 9—98946
Kirkpatrick, A.R., Greenwald, A.C., Minnucci, J.A., Little, R.G. Processing of semiconductor materials by pulsed electron beams 9—69159
Kirkpatrick, A.R. *see* Greenwald, A.C. 9—55768
Kirkpatrick, A.R. *see* Kennedy, E.F. 9—51152, 9—69134
Kirkpatrick, C.G. *see* Parks, H.G. 9—69593
Kirkpatrick, C.G. *see* Possin, G.E. 9—87108
Kirkpatrick, C.G. *see* Wang, K.L. 9—69508
Kirkpatrick, F.H. *see* Kostuk, R.K. 9—79695
Kirkpatrick, L.D., Rugheimer, M. A holographic road show 9—58503
Kirkwood, B., Willett, R.D. β-alaninium tetrachloroferrate (III) 9—90635
Kirley, J.R., Kent, D.S., Kaplan, S.B., Langenberg, D.N. Experimental determination of the energy and temperature dependences of quasiparticle relaxation times in a nonequilibrium superconductor 9—56412
Kirlin, R.L., Hertel, L. Estimates of pitch and vocal tract length from recorded vocalizations of purported Bigfoot 9—94418
Kirlin, R.L. *see* Reddy, S.N. 9—83795
Kirmser, P.G., Kuo-Kuang Hu A continuous functional representation of the response surface for a NE-213 neutron spectrometer 9—81116
Kirmura, H., Matsui, H. Reply to 'Further discussion on the lattice hardening due to dissolved hydrogen in iron and steel' by Asano and Otsuka 9—66156
Kirn, M. *see* De Diego, N. 9—96021
Kirner, K. Utilisation of plasma spraying techniques in research work 9—83117
Kirova, N.N. *see* Eleonskii, V.M. 9—73798, 9—95559
Kirova, N.N. *see* Yeleonsky, V.M. 9—51811
Kirovskaya, I.A. *see* Chernyshov, A.I. 9—95919
Kirpichnikova, L.F. *see* Ivanov, N.R. 9—55887
Kirsanov, V.V. *see* Ibragimov, Sh.Sh. 9—83206
Kirschmer, R. *see* Abele, J. 9—58093
Kirschner, J., Etzkorn, H.W. Sputtering of amorphous silicon films by 0.5 to 5 keV Ar^+ ions 9—91550
Kirschner, J., Feder, R. Spin polarization in double diffraction of low-energy electrons from W(001): experiment and theory 9—64963
Kirschner, J., Menzel, D., Staib, P. Electron stimulated desorption of O^+ ions: energy dependence of the desorption efficiency from adsorbed oxygen on metal surfaces and its bearing on the mechanism 9—99428
Kirschner, R. Generating functional formulation of the uncorrelated cluster model 9—49590
Kirschner, R. Generalized Lipatov-Altarelli-Parisi equations and jet calculus rules 9—71704
Kirsh, Y. *see* Kristianpoller, N. 9—51900
Kirshanskii, N.P. *see* Kesil'man, E.Sh. 9—80082
Kirshner, R. Supernova in NGC 4321 9—67044
Kirshner, R.P. Supernova spectra and young remnants 9—53844
Kirshner, R.P., Oemler, A., Jr., Schechter, P.L. A study of field galaxies. II. The luminosity function and space distribution of galaxies 9—88731
Kirshtein, G.Kh., Timofeev, V.A. Choice of optimal parameters of the magnetic system of electromagnetic flow-rate converters 9—77313
Kirste, B. ENDOR investigations of galvinoxyl and D-galvinoxyl in a smectic mesophase 9—78567
Kirstein, E. *see* Hayden, M.E. 9—68508
Kirstein, H.J. *see* Wippermann, F.K. 9—66757
Kirsten, P. *see* Becherer, H. 9—52094
Kirsten, T. *see* Fireman, E.L. 9—88631
Kirtane, S.M. *see* Khan, D.C. 9—78315
Kirtley, J., Soven, P. Multiple-scattering theory of intensities in inelastic-electron-tunneling spectroscopy 9—68285
Kirtley, J. *see* Tsang, J.C. 9—72324
Kirtley, J.R. *see* Cederberg, A.A. 9—60629
Kirtley, J.R. *see* Tsang, J.C. 9—98111
Kirwan, A.D., Jr., McNally, G., Pazan, S. Wind drag and relative separations of undrogued drifters [North Pacific Ocean] 9—79866
Kirwan, A.D., Jr., McNally, G.J., Reyna, E., Merrell, W.J., Jr. The near-surface circulation of the eastern North Pacific 9—79850
Kirwan, A.D., Jr. *see* Patzert, W.C. 9—84517
Kir'yan, V.V., Melik-Alaverdyan, Yu.K., Tovmasyan, G.M., Shakhbazyan, Yu.L. Photometry of some carbon stars at 1-2.5 μm 9—88652
Kir'yanov, V.A., Gruba, V.D., Kessler, Yu.M. Statistical theory of ion solvation in electrolyte solutions 9—91966
Kir'yanov, V.I. *see* Agroskin, V.Ya. 9—64219, 9—94226
Kir'yanov, Yu.G., Zavina, T.A., Syrkin, V.G. Kinetics of the phosphating reaction of carbonyl iron powders 9—96218
Kiryukhin, A.D. *see* Bykovskii, Yu.A. 9—69552
Kiryukhin, Yu.B. *see* Baranov, V.Yu. 9—64214
Kirzhnits, D.A., Kryuchkov, G.Yu., Takibaev, N.Zh. New approach in quantum theory and its applications to the nuclear physics of low and high energies 9—80866
Kisabeth, J.L., Rostoker, G. Relationships of noise in the frequency range $100<f<500$ kHz to auroral arcs and field-aligned current and implications regarding acceleration of auroral electrons 9—66859
Kisel', G.D. *see* Alekseev, A.G. 9—50963
Kisel', N.G., Shishlovskaya, G.A. X-ray investigation of ternary systems Na_2O-M_2O_3-TiO_2 9—51067
Kisel', N.G. *see* Didkovskaya, O.S. 9—52140
Kiselev, A.A., Luders, K. On the symmetry groups of non-rigid impurity centres in crystals 9—77534
Kiselev, A.A., Pavlov, N.I. Adiabatic approach for quasi-energy states and stability of molecules in the field of a light wave 9—94039
Kiselev, A.A. *see* Pavlov, N.I. 9—64114
Kiselev, A.P. *see* Fursova, K.S. 9—52295
Kiselev, A.V. *see* Artemova, A.A. 9—52857
Kiselev, A.V. *see* Gavrilina, L.Ya. 9—96358
Kiselev, B.A. *see* Egorova, L.V. 9—54203
Kiselev, B.A. *see* Suponeva, Ye.P. 9—57565
Kiselev, B.G., Zykov, Yu.Yu. Decay of the short-lived ^{100}Rh isomer 9—75920
Kiselev, B.S. *see* Mikaelyan, A.L. 9—89944
Kiselev, G.V. *see* Bakumenko, O.D. 9—97869
Kiselev, M.A., Malov, L.A., Nesterenko, V.O., Solov'ev, V.G. Calculations of giant El-resonances of high multipolarity in deformed nuclei 9—75944
Kiselev, N.A. *see* Samsonidze, T.G. 9—70515
Kiselev, N.A. *see* Tsuprun, V.L. 9—62183
Kiselev, N.N., Chernova, G.P. Polarization of the radiation of Comet West, 1975n 9—62794
Kiselev, N.N., Chernova, G.P. Photometric and polarimetric observations of the Comet Schwassman-Wachmann 1 during its outbursts 9—80276
Kiselev, N.N. *see* Lupishko, D.F. 9—58294
Kiselev, S.N. *see* Voronin, N.N. 9—83284
Kiselev, V.A., Berezin, A.K., Fainberg, Ya.B., Zeidlits, V.P. Interaction of a relativistic monoenergetic beam of electrons with a plasma formed in the atmosphere 9—77407
Kiselev, V.A. *see* Bozhevol'nyi, S.I. 9—98511
Kiselev, V.A. *see* Zolotov, E.M. 9—64341
Kiselev, V.F. *see* Kozin, L.F. 9—51544
Kiselev, V.M. *see* Belousova, I.M. 9—76712
Kiselev, V.S., Chizhov, N.P., Klimovich, N.I. An algorithm for correcting random line-up axis time shifts 9—62613
Kiselev, V.S. *see* Akimov, Yu.K. 9—49525
Kiselev, V.V., Shmatov, V.T. Displacement field produced by dislocation in an elastic half-space 9—51107
Kiselev, Yu.A., Il'in, V.A. Rapid determination of reduction in area of cylindrical tensile test specimens 9—100306
Kiselev, Yu.M. *see* Erokhin, E.V. 9—68330
Kiselev, Yu.T. *see* Burgov, N.A. 9—97710
Kiseleva, E.V. *see* Nikitin, V.I. 9—52433
Kiseleva, K.A., Semenov, E.P., Yudintsev, E.M. Effect of focusing condition of the radiation of a pulsed CO_2 laser on the development of a gas breakdown near metallic surfaces 9—52051
Kiseleva, K.V. *see* Aleksandrov, O.V. 9—82603
Kiseleva, K.V. *see* Gorina, Yu.I. 9—89908
Kiseleva, M.N. *see* Cherkasov, Yu.A. 9—99581
Kiseleva, O.A., Starov, V.M., Churaev, N.V. Calculations of film flow under the action of a temperature gradient in conical capillaries 9—55416
Kiseleva, O.A. *see* Barer, S.S. 9—55913, 9—56037
Kiseleva, T.P., Panova, G.V., Kalinichenko, O.A. Positional photographic observations of Saturn and its satellites at Pulkovo during 1971-1974 9—96965
Kiselevskii, V.N., Skripnik, Yu.D., Losev, N.P., Rogozyanov, A.Ya., Samsonov, B.V. Cyclic endurance of irradiated steel OKh16N15M3B 9—91793
Kish, D. JINR experiments on Serpukhov accelerator (present and proposed) 9—63545
Kishchenko, G.P., Gruzdev, A.D. Polarization of the fluorescence of an axially symmetrical ensemble of DNA molecules stained with acridine orange 9—92140
Kishi, A., Fueki, K., Kitazawa, K. Surface viscous flattening kinetics of soda-lime silicate glass by sinusoidal profile decay method 9—79139
Kishi, S. *see* Sasaki, A. 9—76635
Kishi, T., Nagai, T., Kammel, R. Investigation of the anodic dissolution of V_2O_5 electrodes in aqueous acid solution 9—91826
Kishi, T. *see* Yamaguchi, K. 9—58770
Kishida, K., Nakagawa, K., Ishikawa, K. Analytical examination of thin wafer method for rate independent or dependent materials 9—59931
Kishida, K., Yamawaki, M., Kanno, M. Corrosion of austenitic stainless steel by molten Cs_2O_3-CsO_2 9—57141
Kishida, N., Ohnuma, H. Exact finite-range DWBA and adiabatic-deuteron-breakup calculations including the deuteron D-state for the ^{58}Ni(p,d)^{57}Ni reaction at 52 MeV 9—54434
Kishida, S., Washio, K., Yoshikawa, S., Kato, Y. CW oscillation in a Nd:phosphate glass laser 9—50311
Kishii, T. *see* Osada, M. 9—70291
Kishimoto, A. Variational principle for quasi-local algebras over the lattice 9—71371
Kishimoto, A. *see* Ueno, H. 9—70294, 9—95192
Kishimoto, K. *see* Aoki, S. 9—68646
Kishimoto, M. Effect of Fe^{2+} content on the instability of coercivity of cobalt-substituted acicular iron oxides 9—51820
Kishimoto, M., Sueyoshi, T., Hirata, J., Amemiya, M., Hayama, F. Coercivity of γ-Fe_2O_3 particles growing iron-cobalt ferrite 9—56571
Kishimoto, M.H., Yamaryo, S. Two new types of Fujicolor films: a negative with improved characteristic and hot-process positive 9—85191
Kishimoto, S. *see* Kumabe, I. 9—89264
Kishimoto, S. *see* Sotani, N. 9—77898
Kishimoto, T. *see* Tamura, T. 9—89242
Kishino, K. *see* Itaya, Y. 9—94249
Kishino, K. *see* Utaka, K. 9—81458
Kishino, S. *see* Tajima, M. 9—87500
Kishiro, J. *see* Ono, M. 9—76029
Kishkin, S.T. *see* Parkhomenko, N.A. 9—52442
Kishkina, S.I. *see* Beletskii, V.M. 9—66126
Kishore, D., Lal, K.C. On the second order Doppler shift in Mossbauer studies 9—91317
Kishore, K. Significance of reduced-time plots thermal analysis 9—57318
Kishore, K., Kashyap, A.K., Prasad, G. Kinetics of propellant decomposition 9—91941
Kishore, K. *see* Moorthy, P.N. 9—53048

Kishore, R. Self-consistent many-body theory: Application to spin waves in itinerant ferromagnets 9—73702

Kisiel, A. *see* Kossakowska-Kisiel, Z. 9—90920

Kisker, E. *see* Bringer, A. 9—74054

Kiskis, J. *see* Dolan, L. 9—97256

Kislik, M.D., Kolyuka, Yu.F., Kotel'nikov, V.A., Petrov, G.M., Tikhonov, V.F. Determination of the orbits of the Earth and Venus, the astronomical unit, and the radius of Venus by radar observations of Venus in 1962-1977 9—88570

Kislinger, M.B. *see* Morley, P.D. 9—62738

Kislitskaya, E.A., Nosov, V.B., Kokorina, V.F. Optical absorption of alkali-free glasses based on arsenic, germanium, and selenium 9—65883

Kislookii, V.N. *see* Isakhanov, G.V. 9—90140, 9—98623

Kislov, A.M. *see* Zhitomirskij, I.S. 9—94465

Kislovskii, E.N., Petrashen, P.V. Intensity of Laue diffracted beams in the general case of diffraction in an elastically bent crystal 9—50935

Kislovskii, I.L. *see* Gorbachev, S.F. 9—93226

Kislovskii, L.D. *see* Vasilev, A.B. 9—65864, 9—72635

Kislyi, P.S., Kuzenkova, M.A., Struk, L.I., Borovikova, M.S. Refractory compounds for vacuum evaporation of aluminium 9—74094

Kislyi, P.S. *see* Kuzenkova, M.A. 9—100097

Kiso, M. *see* Matsukura, Y. 9—81785

Kiso, Y. *see* Tamai, T. 9—54982

Kispert, L.D., Hill, J.R., Mottley, C. A frequency swept ELDOR study of irradiated ammonium acetate crystals at 77K: resolution of spin packets 9—95686

Kispert, L.D. *see* Geoffroy, M. 9—68328

Kiss, A. *see* Wiktor, S. 9—97719

Kiss, A.I., Lukovits, I. Investigation of the conformation and electronic spectra of simple organic molecules by the NDDO method 9—85901

Kiss, E. Narrow beam scanning sonar's role in profiling and positioning 9—88509

Kiss, G., Porter, R.S. Rheology of concentrated solutions of poly(γ-benzyl-glutamate) 9—94574

Kiss, L. *see* Vertes, A. 9—61778

Kiss, M. *see* Marton, A. 9—100775

Kissener, H.R., Eramzhyan, R.A. Collective resonances with isospin T=2, 1 and 0 in photoreactions, electron scattering and radiative pion capture on A=14 nuclei 9—85386

Kissinger, H.E. Extended low-temperature annealing of neutron-irradiated molybdenum 9—79014

Kissinger, H.E., Brimhall, J.L. Vacancy reactions in stage III recovery of molybdenum 9—73220

Kissler, K.H., Riche, J., Scandale, W., Schorder, G. Fast resonant extraction from the CERN SPS 9—72137

Kisslinger, C. Seismicity and global tectonics as a framework for microzonation 9—88270

Kisslinger, C. *see* Engdahl, E.R. 9—57874

Kisslinger, L.S. The role of the rho meson in pion-nucleus interactions 9—67781

Kisslinger, L.S. Isobars and nuclei 9—85522

Kisslinger, L.S. Experimental tests of isobar components of nuclei 9—97668

Kisslinger, L.S. *see* Keister, B.D. 9—97633

Kisslinger, L.S. *see* Saharia, A.N. 9—85420

Kistemaker, J. *see* Wijnakker, M.M.B. 9—82122

Kistenev, E.P. *see* Cochet, C. 9—80854

Kistenmacher, T.J. Partial charge transfer and charge density wave modulation in the TTF-TCNQ family of quasi one-dimensional organic materials 9—95349

Kister, A.E. *see* Il'icheva, I.A. 9—53032, 9—92130

Kistiakowsky, V. *see* Brick, D. 9—58980

Kistner, A. Rigid relations for the moments of linear systems with random parametric excitation 9—90180

Kistrup, H. *see* Nagib, M. 9—69085

Kisun'ko, V.Z. *see* Novokhatskii, I.A. 9—91628

Kit, G.S., Krivtsun, M.G. Limiting equilibrium of a plane with a heat-permeable curvilinear cut 9—50576

Kit, G.S., Krivtsun, M.G. Thermoelastic state of a plane with cusped holes and cracks 9—68577

Kit-Keung Kan, Taro Tamura Dissipation in time-dependent Hartree-Fock calculations 9—63613

Kit-Keung Kan *see* Griffin, J.J. 9—93484

Kita, E., Tasaki, A., Siratori, K. Application of SQUID magnetometer to the measurement of magnetoelectric effect in Cr_2O_3 9—87302

Kita, I. *see* Nakajima, R. 9—93309

Kita, S., Inouye, H. Charge-exchange reactions in collisions of Li^+-Li 9—81273

Kita, S. *see* Inouye, H. 9—98184

Kitabatake, Y., Nakasugi, O., Miyazaki, T., Naito, M. A pilot study of regional water quality management 9—57515

Kitada, H. *see* Moriyama, S. 9—57561

Kitadate, K., Oishi, M., Tanimoto, Y. Latest X-ray apparatus for nondestructive inspection 9—57193

Kitade, A. *see* Yoshihara, K. 9—97422

Kitaev, G.A. *see* Evseeva, M.A. 9—74277

Kitaev, K.N. *see* Gordeev, Yu.M. 9—100305

Kitaeva, V.F., Osipov, Yu.I., Pikalov, V.V., Preobrazhenskii, N.G., Sobolev, N.N., Frumin, L.L. Localized probe diagnostics of the plasma in an argon laser 9—55113

Kitagawa, H. Introduction to solid mechanics. VI. Introduction to continuum thermodynamics 9—75339

Kitagawa, H. *see* Abe, S. 9—63734

Kitagawa, H. *see* Kawashima, K. 9—80973

Kitagawa, K. *see* Kubo, T. 9—72071

Kitagawa, K. *see* Ueda, M. 9—66118

Kitagawa, M., Kawagoe, M. Plastic deformation by crazing in polycarbonate 9—52310

Kitagawa, T., Teraoka, J. The resonance Raman spectra of intermediate-spin ferrous porphyrin 9—69820

Kitagawa, T. *see* Miyazaki, T. 9—64610

Kitagawa, Y., Thein, A., Yamada, Y., Yokoyama, M., Yamanaka, C. Self-generated magnetic field in CO_2-laser-produced plasma 9—98943

Kitagawa, Y. *see* Ozaki, M. 9—62461

Kitagawa, Y. *see* Yamada, Y. 9—82101

Kitahara, C. *see* Iga, K. 9—98388

Kitahara, K., Haus, J.W. Memory effects on the quantum diffusion of a particle in a fluctuating medium 9—49180

Kitahara, K., Horsthemke, W., Lefever, R. Coloured-noise-induced transitions: exact results for external dichotomous Markovian noise 9—58638

Kitahara, K., Imada, M. On the kinetic equations for binary mixtures 9—75446

Kitahara, K., Nakai, K., Shibatomi, A., Ohkawa, S. Electrical and photoelectronic properties of Cr-doped semi-insulating GaAs 9—99576

Kitahara, K. *see* Komeno, J. 9—100056

Kitahara, T., Arai, T. Change of composition ratio in amorphous arsenic selenide films caused by heat-annealing and photo-irradiation 9—99447

Kitaigorodskii, A.I. *see* Abovyan, E.S. 9—55734

Kitajgorodskij, S.A. *see* Foken, T. 9—66756

Kitajima, H. *see* Hikita, H. 9—95190

Kitajima, H. *see* Sugimoto, T. 9—62189

Kitajima, H. *see* Suzuki, H. 9—53047

Kitajima, K. *see* Kuramoto, E. 9—91755

Kitajima, M. *see* Ikeda, A. 9—85356

Kitajima, N. *see* Fukuyo, H. 9—86965

Kitajima, S. *see* Kurishita, H. 9—60372, 9—60373

Kitajima, T., Nii, N., Hatano, Y., Yanagita, T., Kino, S., Jitsuno, K., Nakanishi, Y., Nishikawa, K., Sakata, M., Yamamoto, Y., Yura, T., Nakamoto, S., Dake, S., Oda, H., Nakatsuka, T., Sugihara, T., Kusunose, M., Ohmori, N., Sasaki, H. Preliminary results for the abundance of multicored EAS at Mt. Norikura. Norikua air shower group 9—62702

Kitakado, S. *see* Kawarabayashi, K. 9—89118

Kitami, T. *see* Chiba, M. 9—93898

Kitamura, A. *see* Inoue, A. 9—96002

Kitamura, E. *see* Mitsumata, T. 9—83589

Kitamura, E. *see* Sasaki, T. 9—83586

Kitamura, J. *see* Shiba, K. 9—72970

Kitamura, K. *see* Shindo, I. 9—78873

Kitamura, M., Funabashi, K., Kikuchi, M., Yusa, H., Fukushima, Y., Horiuchi, S. Silver-impregnated alumina for removal of radioactive methyl iodide 9—85638

Kitamura, M., Hosoya, S., Sunagawa, I. Re-investigation of the re-entrant corner effect in twinned crystals 9—73177

Kitamura, N. *see* Wada, J. 9—84023

Kitamura, S. *see* Murakami, Y. 9—57559

Kitamura, S. *see* Murozono, M. 9—83599

Kitamura, T. *see* Taira, S. 9—83303

Kitani, S. *see* Arii, K. 9—55449

Kitano, K., Hirano, H., Endoh, K. Flow pattern in the vicinity of a sphere or disk sinusoidally vibrating in liquid 9—94631

Kitano, T. *see* Kataoka, T. 9—77036

Kitano, Y., Ohba, T., Komura, Y. Long period structures of the Mg base Laves phases derived by the method of the classical lattice gas model 9—94957

Kitao, K. *see* Tamura, T. 9—75818

Kitaoka, Y., Yasuoka, H., Oka, Y., Kosuge, K., Kachi, S. Observation of the antiferromagnetic order in metallic compounds V_3S_4 and V_3Se_4 9—56625

Kitaoka, Y. *see* Ueda, Y. 9—91301

Kitaura, K., Satoko, C., Morokuma, K. Total energies of molecules with the local density functional approximation and guassian basis sets 9—93920

Kitaura, K. *see* Osamura, Y. 9—59361

Kitaura, K. *see* Tsuda, M. 9—52738

Kitawaki, N., Itoh, K., Itakura, F. PARCOR speech analysis-synthesis system 9—50533

Kitayama, K. *see* Kato, Y. 9—76820

Kitayama, K. *see* Sakai, J. 9—59819

Kitayama, K.-I., Seikai, S., Kato, Y., Uchida, N., Fukuda, O., Inada, K. Transmission characteristics of long spliced graded-index optical fibers at 1.27 μm 9—81536

Kitayama, S. *see* Kurematsu, A. 9—59884

Kitazawa, K. *see* Kishi, A. 9—79139

Kitazoe, T., Hama, S. Jet structure in e^+e^- meson production 9—63496

Kitazoe, T., Mainland, G.B., Tanaka, K. Vacuum expectation values of Higgs scalars in a $SU(2)_L \times SU(2)_R \times U(1)$ gauge model 9—49404

Kitchens, T.A., Jr. *see* Kohn, S. 9—56695

Kitchenside, P.W., Bullough, R.K., Caudrey, P.J. Creation of spin waves in ^{3}He B 9—82411

Kitchenside, P.W., Mason, A.L., Bullough, R.K., Caudrey, P.J. Perturbation theory of the dobule sine-Gordon equation 9—75403

Kitchin, R.W., Malloy, T.B., Jr., Cook, R.L. The microwave spectrum, dipole moment, and molecular conformation of 2-cycloheptene-1-one 9—72303

Kitching, P., Antonuk, L., Hutcheon, D.A., McDonald, W.J., Miller, C.A., Neilson, G.C., Olsen, W.C., Stinson, G.M., Earle, E.D., Stetz, A.W. Quasi-elastic scattering of polarized protons 9—67755

Kitching, P. *see* Chant, N.S. 9—89222

Kitching, P. *see* James, A.N. 9—93614

Kitching, S.A. *see* Darlington, C.N.W. 9—61276

Kitney, R.I. *see* Bourne, P.R. 9—53176

Kito, M. *see* Seki, M. 9—82086

Kito, Y. *see* Sakakibara, T. 9—90485

Kitsa, M.S., Gavaleshko, N.P., Simchuk, R.N., Savchuk, A.I. Absorption edge of In_6Se_7 9—87459

Kitsunai, T. *see* Kirihata, H. 9—100029

Kittaka, S., Murata, Y. Photoelectric emission and contact charging of vacuum-UV irradiated polymers 9—52075

Kittaka, S., Murata, Y., Masui, N. A method for measuring the charging tendency of powder in pneumatic conveyance through metal pipes 9—50186

Kittel, C. Oersted medalist response: Constructive interactions 9—97125

Kittel, C. *see* Manoliu, A. 9—97133

Kittel, J.H., Bates, J.K. Recycle technology for thorium metal fuels 9—59245

Kittel, P. *see* Ostermeier, R.M. 9—55963

Kittel, W. *see* Brick, D. 9—58980

Kittenberger, V. *see* Apel', V.D. 9—67609

Kittenberger, V. *see* Apel, W.D. 9—54361

Kittenberger, W. *see* Apel', V.D. 9—89194

Kittenberger, W. *see* Apel, W.D. 9—58978

Kittinger, E., Bertagnolli, E. A method for the visualization of secondary Dauphine twinning in α-quartz 9—51121

Kittl, R. *see* Fock, K. 9—70262

Kittler, R.C., Falicov, L.M. Band theory of the Cu_3Au and $CuAu_3$ order-disorder transformations 9—60501

Kittler, R.C., Falicov, L.M. Order-disorder transformations in noble-metal binary alloys 9—60502

Kittrell, C. *see* Bernheim, R.A. 9—81220

Kitushina, I.A. *see* Zolotarev, V.M. 9—52968

Kitzel, W. *see* Seydel, U. 9—90802

Kitzes, M. *see* Berns, M.W. 9—66599

Kiv, A.E., Soloviev, V.N. The grasshopper effect in the diamond lattice 9—90830

Kivach, L.N. *see* Gachko, G.A. 9—85993

Kivelson, S., Gelatt, C.D., Jr. Effective-mass theory in noncrystalline solids 9—77992

Kiveris, A.Yu., Kudzhmauskas, Sh.P., Pipinis, P.A. Influence of the mechanism of trap ionization by an electric field in CdS:Ag phosphors 9—74007

Kiversi, A.J., Pipinys, P.A. Simultaneous investigation of the photocapacitive effect and the Gudden-Pohl effect in zinc sulfide phosphors 9—65520

Kiviniemi, A. The Finnish measurements at the Fennoscandian land uplift gravity lines 9—92472

Kivits, H.P.M., De Rooij, F.A.J., Wijnhoven, G.P.J. A fast method for PIXE and XRF target preparation of aqueous samples 9—87915

Kivity, Y. *see* Collins, R. 9—62274

Kivshik, A.F. *see* Dubrovin, V.Yu. 9—67355

Kiwamoto, Y. Unstable electron cyclotron harmonic waves during the relaxation of a temperature anisotropy 9—53671

Kiwamoto, Y., Kuwahara, H., Tanaca, H. Anomalous resistivity of a turbulent plasma in a strong electric field 9—72989

Kiwi, M. *see* Trias, A. 9—86906

Kiya, M., Arie, M. Formation of vortex streets in shear flow 9—59987

Kiyachenko, Yu.F., Yudin, I.K. Multichannel correlator for optical-mixing spectroscopy 9—93234

Kiyachenko, Yu.F. *see* Anisimov, M.A. 9—77766

Kiyak, S.G. *see* Plyatsko, G.V. 9—78168

Kiyanskaya, L.A. *see* Varekhov, A.G. 9—88052

Kiydel'mann, Kh.A. *see* Volossov, A.A. 9—58816

Kiymac, K. *see* Dawber, P.G. 9—56516

Kiyohashi, K. *see* Nakamura, T. 9—89019

Kiyomiya, M., Kawai, M. The effectiveness of laterite as a catalyst for the reduction of NO with NH_3 9—91993

Kiyono, S., Muranaka, T., Watanabe, T. Absorption spectroscopy by potential scanning 9—99986

Kiyosawa, T. *see* Pamplin, B.R. 9—70048

Kiyoshige, M., Yamane, T. Electrochemical behavior of cast Monel metals in NaCl solution 9—87763

Kizakevich, P.N., McDermott, J.C., Gollan, F. Continuous systolic time intervals during exercise 9—70668

Kizel', V.A. *see* Belyaev, S.V. 9—51932

Kizel, V.A. *see* Sukhenko, E.P. 9—95145

Kizin, V.D., Lisitsyn, E.S., Polyakov, V.I., Chechetkin, Yu.V. Radioactivity in the primary circuit of the BOR-60 fast reactor 9—63737

Kizokyan, L.O. *see* Belubekyan, E.V. 9—59934

Kizukuri, Y., Namiki, M., Okano, K. Deuteron elastic electromagnetic form factor in relativistic harmonic oscillator model 9—54327

Kjaersgaard Hansen, E. *see* Knak Jensen, S.J. 9—82805

Kjaldman, L.H., Kurkijarvi, J. Antiferromagnetic ordering of Cu-nuclei 9—78333

Kjems, J.K., Ott, H.R., Shapiro, S.M., Andres, K. Magnetic excitations and the cooperative Jahn-Teller transition in $PrCu_2$ 9—65196

Kjems, J.K. *see* Ott, H.R. 9—61060

Kjems, J.K. *see* Steiner, M. 9—73679

Kjuntsel, I.A., Mokeeva, V.A., Soifer, G.B., Shaposhnikov, I.G. NQR investigation of the influence of intramolecular interaction geometry on CCl_3 group dynamics 9—78564

Klaassen, T.O. *see* Diederix, K.M. 9—51793, 9—61136, 9—61257

Klaassen, T.O. *see* Groen, J.P. 9—61256

Klaassen, T.O. *see* Looyestijn, W.J. 9—51864, 9—61244, 9—73848, 9—78540, 9—78541, 9—87251

Kladkevich, M.D. *see* Itskovskii, M.A. 9—87401

Klad'ko, S.N. *see* Barer, S.S. 9—56037

Klaeboe, P. *see* Bakke, A. 9—59436

Klaeboe, P. *see* Cyvin, S.J. 9—81201

Klaeboe, P. *see* Kirkerud, T. 9—99874

Klafter, J., Jortner, J. Electronic energy transfer in impurity bands of mixed organic solids 9—99502

Klafter, J., Jortner, J. Effects of off-diagonal disorder on localization of electronic excitations in mixed molecular solids 9—99503

Klages, H.O., Dobiasch, H., Fischer, R., Haesner, B., Heeringa, W., Schwarz, P., Zeitnitz, B. Analyzing power for the elastic n-^{3}He-scattering 9—75965

Klages, H.O. *see* Fischer, R. 9—71835

Klagge, E. *see* Korting, H.J. 9—53290

Klahs, J.W., Jr., Ginsberg, J.H. Resonant excitation of a spinning, nutating plate 9—64504

Klaiber, R.J. Optical-fiber-processing techniques 9—50460

Klais, O. *see* Fink, H.J. 9—53407

Klama, S. *see* Ferchmin, A.R. 9—87223

Klama, S. *see* Kaganov, M.I. 9—69398

Klamut, J., Patashinski, A.Z., Sznajd, J. Phase front motion in uniaxial ferromagnet 9—82792

Klang, C.C. *see* Bogdanov, A.A. 9—79466

Klapdor, H.V., Wene, C.-O. The synthesis of the heavy elements and the shape of the beta-strength function 9—66918

Klapdor, H.V. *see* Petrow, B.F. 9—93564

Klapdor, H.V. *see* Szanto De Toldeo, A. 9—63572

Klapisch, R. *see* Epherre, M. 9—54383

Klapisch, R. *see* Jacquinot, P. 9—72259

Klapisz, C., Weill, A. Semi-empirical model of the early-morning evolution of the wind profile between the ground and the inversion summit 9—84399

Klapisz, C. *see* Akoum, F. 9—86420

Klapp, A.J. Automated ship routing 9—84390

Klapwijk, T.M., van Linden van den Heuvell, H.B., Mooij, J.E. Phonon effects in microwave-enhanced superconductivity 9—56451

Klar, G. *see* Wurz, U. 9—95140

Klar, H. Analysis of alignment produced by photoionisation of Cd 9—81179

Klar, H., Morgner, H. Angular distribution of negative ions formed in dissociative attachment 9—81288

Klarsfeld, S., Maquet, A. Pade approximants and multiphonon isonisation of atomic hydrogen 9—98049

Klarsfeld, S., Maquet, A. Analytic continuation of sturmian expansions for two-photon ionization 9—98053

Klaska, R. A partially ordered synthetic leucite-type structure 9—51088

Klassen, N.V., Ossipyan, Yu.A. Optical properties of II-VI compounds with dislocations 9—83001

Klassen, R.W. A unique stratigraphic record of late Tertiary-Quaternary events in southeastern Yukon 9—62499

Klassen, V.I. *see* Usatenko, S.T. 9—54849

Klasz, I.de *see* de Klasz, I.

Klatt, D. *see* Schwartz, R. 9—64440

Klauder, J.R. Path integrals and stationary-phase approximations 9—71290

Klaumunzer, S., Ischenko, G., Adrian, H., Neumuller, H. Superconducting critical temperature in disordered tin and lead 9—87179

Klaus, D., Stein, G. Temporal variations of the 'European Grosswetterlagen' and possible causes 9—58081

Klaus, M. On bound states of the infinite harmonic crystal 9—85086

Klaus, M., Simon, B. Binding of Schrodinger particles through conspiracy of potential wells 9—75374

Klauser, S.J., Bas, E.B. A miniaturised electron gun for measurements of work function variations by the method of retarding potential in an axial magnetic field 9—80719

Klausner, S.C. *see* Bulawa, W.F. 9—70636

Klavins, A. Near free molecular heating of a blunt body of arbitrary geometry 9—94671

Klavinsh, J.J. *see* Berzinsh, V.A. 9—83187

Klawender, Z. New applicabilities of the DA 5 DOKUMATOR microfilm camera for scientific, technologic and economic information 9—75632

Klayn, B.I. *see* Gul'yel'mi, A.V. 9—58192

Klazura, G.E., Todd, C.J. A model of hygroscopic seeding in cumulus clouds 9—88442

Kleb, R. *see* Felcher, G.P. 9—73734

Kleban, P. Interpretation of Raman experiments in superfluid ^{4}He 9—73362

Kleban, P.H. Lattice gas model for O on Ni (110) 9—69357

Klebanoff, P.S. *see* Frenkiel, F.N. 9—94595

Klebanoff, V. *see* Asbeck, P.M. 9—98359

Klebanov, G.I., Nikushkin, Ye.V., Vladimirov, Yu.A. Study of the phasic transitions of model and biological membranes. II. Temperature-dependent structural rearrangements of the membranes of the sarcoplasmic reticulum 9—53056

Kleber, A., Som, M.M., Teixeira, A.F.da F. Anisotropic scalar field with cosmical time 9—88847

Kleber, M., Zwiegel, J. Use of time-dependent variational method for polarization and energy loss in ion-atom collisions 9—59536

Klebesadel, R. *see* Evans, D. 9—58441

Klebesadel, R.W. *see* Cline, T.L. 9—101218

Klecker, B. *see* Ipavich, F.M. 9—58198

Kleczek, J. The sun in power engineering 9—83565

Klee, K.-D. On calculation of large visco-plastic shape changes 9—90157

Kleef, T.A.M.van *see* van Kleef, T.A.M.

Kleef, Th.A.M.van *see* van Kleef, Th.A.M.

Kleemann, M. *see* Forster, S. 9—71970

Kleemann, W. *see* Ferre, J. 9—87419

Kleiber, M. *see* Boni, B. 9—68594

Kleiman, E.B., Oiringel, I.M. Orientation of hydrogen atoms by resonant radiation in a rarefied turbulent plasma 9—98028

Kleiman, E.B. *see* Kaplan, S.A. 9—88727

Kleiman, G.G. Nitrogen states in Ga(As,P) and the intermediate-range model 9—73467

Klein, A., Ching-teh Li Semiclassical quantization of nonseparable systems 9—58567

Klein, A., Ching-Teh Li Variational principles and Heisenberg matrix mechanics 9—63085

Klein, A. *see* Gillet, V. 9—85359

Klein, A. *see* Gilmartin, H. 9—84896

Klein, A. *see* Li, C.T. 9—63579, 9—63580

Klein, A. *see* Vassanji, M.G. 9—67687

Klein, A. *see* Weiser, K. 9—69527

Klein, A.C. *see* Cheng, E.T. 9—81086

Klein, A.G. *see* Kasper, P. 9—93447

Klein, A.G. *see* Rangaswamy, T.N. 9—54351

Klein, A.J. *see* Hammond, E.J. 9—100794

Klein, B.M., Boyer, L.L., Papaconstantopoulos, D.A. Electronic structure, electron-phonon interactions and low-temperature anomalies in A15 compounds 9—60701

Klein, B.M. *see* Papaconstantopoulos, D.A. 9—56354, 9—95318

Klein, C. Regional metamorphism of Proterozoic iron-formation, Labrador Trough, Canada 9—57916

Klein, C.A. Optical distortion coefficient of (111)-oriented CaF_2 windows at chemical laser wavelengths 9—94269

Klein, D.E., Bull, S.R., Miles, J.B. Flow visualization around GCFR fuel rod roughness elements 9—59141

Klein, D.J. Variational localized-site cluster expansions. IX. Many-body valence-bond theory 9—60669

Klein, D.J., Garcia-Bach, M.A. Variational localized-site cluster expansions. X. Dimerization in linear Heisenberg chains 9—60670

Klein, E. *see* Ikonopisov, S. 9—52680

Klein, F.G. *see* Gorler, G.P. 9—96886

Klein, G.J. *see* Smith, W.M. 9—70672

Klein, H., Guldbakke, S., Jahr, R., Lesiecki, H. The fast neutron sensitivity of a Geiger-Muller counter photon dosemeter by the time-of-flight technique 9—81096

Klein, H., Wagner, H.F., Freidrich, F.J., Heinzelmann, P.J. Federal Republic of Germany programme technologies for the utilization of solar energy 9—57366

Klein, H.H., Cotsaftis, M., Krall, N.A., McBride, J.B. Dynamics of Tokamak discharges dominated by the trapped-electron instability 9—55537

Klein, H.P. The Viking biological investigations: review and status 9—80263

Klein, I.S. Natural convection in a porous bed with a permeable boundary 9—77238

Klein, J., Standt, U., Kaminsky, W. On the stereostructure of polystyrene samples obtained by extraction of isotactic polystyrene with butanone 9—73112

Klein, J. *see* de Cheveigne, S. 9—65331

Klein, J. *see* Middleton, R. 9—81290

Klein, J.D., Shuey, R.T. Nonlinear impedance of mineral-electrolyte interfaces. I. Pyrite 9—53337

Klein, J.D., Shuey, R.T. Nonlinear impedance of mineral-electrolyte interfaces. II. Galena, chalcopyrite, and graphite 9—53338

Klein, J.R. *see* Cole, M.W. 9—86945

Klein, K. *see* Brosche, D. 9—89487

Klein, M., Kandel, E.R. Presynaptic modulation of voltage-dependent Ca^{2+} current: Mechanism for behavioral sensitization in Aplysia californica 9—92209

Klein, M., Riemann, T., Savin, I.A. Weak neutral current couplings of muons 9—85259

Klein, M.B. Enhancement of third harmonic generation in metal-dielectric waveguides: comment 9—94283

Klein, M.B. *see* Lind, R.C. 9—64271

Klein, M.L., McDonald, I.R. Structure and dynamics of associated molecular systems. I. Computer simulation of liquid hydrogen fluoride 9—86667

Klein, M.L. *see* Kobashi, K. 9—95095

Klein, M.L. *see* Sears, W.M. 9—69211

Klein, M.V. Raman scattering in spontaneously modulated materials 9—95739

Klein, M.V. *see* Gallagher, D.A. 9—73934

Klein, M.V. *see* Wolford, D.J. 9—95840

Klein, M.V. *see* Wood, T.H. 9—78672

Klein, M.W., Schowalter, L.H., Shukla, P. Spin glasses in the Bethe-Peierls-Weiss and other mean-field approximations 9—65682

Klein, M.W. *see* Fischer, B. 9—82245

Klein, M.W. *see* Shukla, P. 9—78387

Klein, N. Electrical breakdown in thin insulators by impact ionization processes 9—91373

Klein, N. *see* Davidoff, S. 9—78180

Klein, P. A simple model of the oceanic upper layers 9—84288

Klein, P.B., Comas, J., Bishop, S.G. Donor-acceptor pair radiative recombination from ion-implanted donors and acceptors in GaAs 9—91489

Klein, R., Siegel, R., Erickson, N.E. Oxide formation on ruthenium observed by TDS and ESCA 9—82442

Klein, R. *see* Greiner, G. 9—78854

Klein, R. *see* Otter, G. 9—85338

Klein, R. *see* Read, A.L. 9—49510

Klein, R. *see* Theodorakopoulos, N. 9—75692

Klein, S. *see* Stromeyer, C.F., III 9—92218

Klein, S.A., Beckman, W.A. A general design method for closed-loop solar energy systems 9—74542

Klein, T. *see* Hu, C. 9—99623

Klein, U. The inadmissibility of non-Stokesian vector potentials in quantum mechanics. Comments on a paper asserting the nonexistence of the Aharonov-Bohm effect 9—63076

Klein, U., Emerson, D.T., Haslam, C.G.T., Salter, C.J. Observations of the remnant of Tycho's supernova (3C 10) at a frequency of 10.7 GHz 9—75264

Klein, U. *see* Eichler, H.J. 9—72619

Klein, U. *see* Emerson, D.T. 9—75113

Klein, U. *see* Kronberg, P.P. 9—71119

Klein, U. *see* Mechtersheimer, G. 9—93666

Klein, U.K.A., Haar, H.-P. Picosecond rotational diffusion of perylene 9—56839

Klein, W. *see* Habermeier, H.U. 9—61010, 9—82731

Klein, W. *see* Rabe, J.G. 9—91368

Klein, W. *see* Shlifer, G. 9—69481

Klein, W.H., Goldberg, B. Monitoring UVB spectral irradiances at three latitudes 9—58070

Klein, W.H. *see* Goldberg, B. 9—58067

Klein, W.H. *see* Sager, J.C. 9—62044

Kleinberg, R.L. Anisotropy and flow in ^{3}He-A 9—73367

Kleinbreuer, W. Wear phenomena in semirotary (wing) pumps with the use of flash-resistant hydraulic fluids 9—83331

Kleindienst, T.E. *see* Finlayson-Pitts, B.J. 9—70317

Kleine, T., Kohoutek, L. On the 3 hour variation of Nova Cygni 1975 9—80314

Kleinefeld, Th., Mende, H.H. Calculations for optimizing the magnification of the magneto-optic Kerr effect by interference layers on iron whiskers 9—51808

Kleinefeld, Th., Stolz, H., von der Osten, W. Time-resolved luminescence spectra of AgBr at high excitation densities 9—78751

Kleinemeier, B. *see* Goldelius, R. 9—61821

Kleiner, C.T. *see* Jandrasi, J.S. 9—52894

Kleiner, I.P. *see* Atakhodzhaev, A.K. 9—65888

Kleinerman, N.M. *see* Shur, Ya.S. 9—70176

Kleinert, H. The two superflows in ^{3}He-A 9—60580

Kleinert, H., Lin-Liu, Y.R., Maki, K. Existence of helical texture around superflow in ^{3}He-A 9—60586

Kleinert, H., Maki, K. High-frequency conductivity of charge-density-wave condensates at low temperatures 9—95392
Kleinert, H. *see* Duru, I.H. 9—67187
Kleinert, H. *see* Janke, W. 9—71279
Kleinert, P. Cluster approximation for the spectral density of mixed diatomic system 9—51991
Kleinert, W., Franke, R. Change of electrical resistivity and stress amplitude during push-pull fatigue of polycrystalline nickel 9—91792
Kleinfeld, A.M. *see* Bockisch, A. 9—71790
Kleinheinz, P., Broda, R., Daly, P.J., Lunardi, S., Ogawa, M., Blomqvist, J. Particle hole yrast states in ^{146}Gd and ^{147}Gd and the Z=64 shell closure 9—49571
Kleinheinz, P. *see* Lien, J.R. 9—85353
Kleinheinz, P. *see* Piiparinen, M. 9—49573
Kleinknecht, K. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Kleinknecht, K. *see* Groot, J.G.H. 9—93395
Kleinlein, F.W. *see* Himsolt, G. 9—61700
Kleinman, C.J. *see* Aronson, I. 9—72375
Kleinman, L. Correlation effects on the energy band of Ni 9—60697
Kleinmann, D. *see* Wilson, T.L. 9—75263
Kleinmann, S.G., Payne-Gaposchkin, C. The reddest stars in the Two Micron Sky Survey 9—62841
Kleinmann, S.G. *see* Scoville, N.Z. 9—101184
Kleinovskaya, M.A. *see* Lavygin, I.A. 9—86830
Kleinpenning, T.G.M., Vandamme, L.K.J. Comment on 'Transverse 1/f noise in InSb thin films and the signal-to-noise ratio of related Hall elements' 9—99593
Kleinpoppen, H. *see* Blum, K. 9—64109
Kleinschmidt, M., Fischer, Th., Hammel, G., Hurster, W., Kern, K., Kettle, R., Lehmann, L., Rossle, E., Schmitt, H. Positive pion production from neutron-proton collisions between 460 and 580 MeV 9—75785
Kleinschmidt, M. *see* Fischer, Th. 9—75782
Kleinschmidt, M. *see* Hurster, W. 9—67571, 9—75784
Kleinschmidt, P.D., Hildenbrand, D.L. Thermodynamics of the dimerization of gaseous UF_5 9—87838
Kleinstein, G. *see* Bobrovsky, B.Z. 9—59990
Kleinstuck, K. *see* Blau, W. 9—78793
Kleinstuck, K. *see* Mucklich, A. 9—52237, 9—87657
Kleinstuck, K. *see* Schreiter, U. 9—91692
Kleinwachter, H. Development of solar collectors for low temperature level and of concentrators for thermal and photoelectric conversion 9—62009
Kleinwachter, P. *see* Fodor, I. 9—85430
Kleis, I., Muiste, U., Pilvre, U., Uuemois, H., Uetz, H. The physical mechanism of the formation of metal microspheres in the wear process 9—79123
Kleitman, D.J., Rothschild, B.L. A phase transition on partial orders 9—63158
Kleitman, D.J. *see* Shearer, J. 9—75325
Klem, R. *see* Igo, G. 9—80916
Klem, R.D. *see* Ems, S.C. 9—63541
Klem, S.A. *see* Friedrich, D.M. 9—87411
Kleman, M. *see* Nourtier, C. 9—78434
Klemencic, I., Laybourn, P.J.R., Hutchins, R.H. Polarisation properties of sandwich ribbon fibres 9—64353
Klemencic, R. *see* Blaschko, O. 9—65038
Klement, W., Jr. *see* Cohen, L.H. 9—82335
Klement'ev, G.V. *see* Zhitnikov, R.A. 9—89743
Klement'eva, A.Yu. *see* Korolev, F.A. 9—67393
Klementiev, G.V., Melnikov, V.D., Kartoshkin, V.A. Interaction potential between He(2^3S_1) atoms and H_2 molecules at thermal energies 9—94077
Klement'yev, V.M. *see* Dolgopolov, S.G. 9—89006
Klemm, A. *see* Schafer, L. 9—90520
Klemm, A.D., McGee, I.J. Entropy of a quantum square-well potential gas at low temperatures 9—55443
Klemm, F.J., Giddens, D.P. A numerical solution to the problem of low-density hypersonic wedge flow 9—94665
Klemm, R.A., Larkin, A.I. $4K_F$ response function in the Tomonaga model 9—93039
Klemm, R.A. *see* Hertz, J.A. 9—91237, 9—95599
Klemm, R.A. *see* Turkevich, L.A. 9—78276
Klemm, R.B. Absolute rate parameters for the reactions of formaldehyde with O atoms and H atoms over the temperature range 250-500K 9—100349
Klemola, A. *see* Kemp, J.C. 9—84801
Klemola, A. *see* Margon, B. 9—62839
Klemola, A.R. Optical identification of radio sources in globular clusters 9—62923
Klemp, J.B. *see* Wilhelmson, R.B. 9—58032
Klemperer, W. *see* Chance, K.V. 9—72302
Klemperer, W. *see* Janda, K.C. 9—76420
Klemperer, W. *see* Lisy, J.M. 9—72440
Klemperer, W. *see* Steed, J.M. 9—64019, 9—72336
Klempt, E. *see* Camani, M. 9—57279
Klempt, E. *see* Camania, M. 9—56656
Klen, J. *see* Gannon, J.C. 9—72139
Klenert, M. Distribution of the illuminance on the retina of the human eye with respect to objects in and out of focus 9—92214
Klenin, M.A. Short-range quadrupolar order on a dilute simple-cubic lattice 9—65681
Klenin, M.A. Computer experiments on the dilute three-dimensional Heisenberg magnet. II. Static behavior at finite temperature 9—73752
Klenin, M.A. Evidence of glasslike ordering in the two-dimensional classical Heisenberg magnet 9—82740
Klenin, V.I., Stepovik, L.V., Khairullina, A.B., Chemolosov, Yu.V. Determination of relative refractive index, dimensions and concentration of erythrocytes from the turbidity spectrum 9—79698
Klenin, V.I. *see* Khlebtsov, N.G. 9—64180, 9—72496, 9—98286
Klenk, H.-D. *see* Nicolau, C. 9—100561
Klenk, H.-D. *see* Perram, J.W. 9—100562
Klenov, V.F. *see* Kosulina, T.G. 9—76859
Klepczynski, W.J. *see* Clark, T.A. 9—88920
Klepeis, J.E. The disk MHD generator 9—83606
Klepikov, V.F. *see* Bar'yakhtar, V.G. 9—65694, 9—95584
Kleppa, O.J., Shamsuddin, Picard, C. High temperature thermodynamics of dilute solutions of hydrogen in palladium-copper alloys 9—99334
Kleppa, O.J. *see* Boureau, G. 9—65254
Kleppa, O.J. *see* Mitsuhashi, T. 9—100131
Kleppa, O.J. *see* Picard, C. 9—65216
Kleppa, O.J. *see* Sato, S. 9—56962
Kleppe, J.W. Practical application of an ion-exchange method for color-developer reuse 9—49320
Klepper, O. *see* Schardt, D. 9—93567
Kleppner, D. *see* Crampton, S.B. 9—50155
Klerk, D.de *see* de Klerk, D.
Klerk, J.de *see* de Klerk, J.
Klerk, J.J.M.J.de *see* de Klerk, J.J.M.J.
Kleshchev, A.A. Sound scattering by a spheroidal body at an interface 9—94387
Kleshchev, A.S., Korneeva, N.N., Notkin, A.B., Yurina, O.M. Variation in the structure of heat-resistant nickel alloys of the EP742 type during thermomechanical treatment 9—52250
Kleshchev, A.S., Vyalov, V.A., Rybakova, Yu.A., Petrov, A.P., Dolbinov, Yu.D. Effect of superplastic deformation on the structure of heat-resistant nickel alloy ZhS6KP 9—96090
Kleshcheva, N.A. *see* Gembitskii, P.A. 9—50177
Klesnil, M. *see* Lukas, P. 9—70166
Klessen, K. *see* Forker, M. 9—56632
Klestov, Yu.M. Propagation of a turbulent jet impinging on a plane surface in an external stream 9—90301
Kleszczewski, Z. Properties of some acousto-optical materials 9—56762
Kletskii, S.V. *see* Kozdoba, L.A. 9—68553
Kleuters, W.J. *see* Asbeck, P.M. 9—89954
Klevchishkin, V.A., Pikashov, V.S., Erinov, A.E. Determination of the degree of blackness of metals in controlled atmospheres 9—57165
Klevchishkin, V.A. *see* Pikashov, V.S. 9—71455
Klewe, R.C. *see* Adrain, R.S. 9—60083
Klewer, M., Beerlage, M.J.M., Van der Wiel, M.J. Polarisation and angular distribution of electrons elastically scattered from caesium atoms at 13-25 eV 9—89781
Klewpatinond, V. *see* Crawford, R. 9—78929
Kley, D. *see* McFarland, M. 9—100893
Kley, G. *see* Feltz, A. 9—90560
Kleykamp, H. The chemical state of LWR high-power rods under irradiation 9—97809
Kleykamp, H., Supawan, A. Gibbs energies of formation of MoO_2 and Mo_4O_{11} 9—52742
Kleykamp, H. *see* Thummler, F. 9—49692
Kleyn, A.W. Electron contact during collisions between atoms and molecules 9—50111
Kliauga, P.J., Colvett, R.D., Lam, Y.P., Rossi, H.H. The relative biological effectiveness of 160 MeV protons. I. Microdosimetry 9—62305
Kliava, J.G., Konstants, Z.A., Purans, J.J., Dimante, A.I. EPR of MN^{2+} in polycrystals of low symmetry. Magnesium metaphosphate 9—95635
Klibanov, L.I., Tsisun, S.P., Yudkovich, I.Sh. Measurement error of high-resistance wide-range DC bridges 9—75548
Klickman, A.E. *see* Wu Person, L. 9—54537
Klieforth, H. *see* Smith, G.I. 9—100918
Klier, M. *see* Herrmann, H. 9—74583
Kliger, G. *see* Ammosov, V. 9—71737
Kliger, G.K. *see* Berge, J.P. 9—71741
Kliger, G.K. *see* Efremenko, V.I. 9—75763
Kligfield, R. The Northern Appenines as a collisional orogen 9—92515
Kligler, D.J. *see* Bischel, W.K. 9—59745, 9—86050
Kligman, A.M. *see* Tsuji, T. 9—84036
Klijn, P.-J., Ellenberger, J., Fortuin, J.M.H. Viscous heating and heat transfer in cone-and-plate rheogoniometry 9—82013
Klima, M. A trichromatic acousto-optical laser-beam deflector for TV scanning 9—98502
Klima, R., Longinov, A.V. Excitation of a stationary current in a toroidal plasma by waves with a wide spectrum 9—98863
Klima, R., Petrzilka, V.A. Nonlinear perturbations of cold magnetized plasma generated by radiation pressure forces 9—86570
Klimanek, P. *see* Schreiter, U. 9—91692
Klimanov, V.A., Makhon'kov, A.S., Mashkovich, V.P. Neutron number and dose albedos for water, concrete, and iron 9—93681
Klimashin, G.M. *see* Bakhtiyarov, A.Sh. 9—87636
Klimenko, A.G., Matizen, E.V., Starikov, M.A. Superconducting modifications of gallium in bulk samples 9—65574
Klimenko, A.G., Solomodenko, V.B. A technique for determining the times of closest approach of artificial Earth satellites 9—62713
Klimenko, A.S., Sitenok, N.A., Koval', Yu.D. Analytical solution of the heat-conduction problem in a bounded multilayer domain with local volume sources in the layer [applications to ICs] 9—94456
Klimenko, A.V. *see* Grigoriev, V.A. 9—59915
Klimenko, A.V. *see* Grigor'yev, V.A. 9—90245
Klimenko, I.N., Romanov, V.P., Ilichev, V.Ya. Peculiarities of the relaxation properties of the Fe-Cr-Ni alloy spin system at low temperatures 9—82758
Klimenko, K.G. Renormalization group and the ladder approximation in field theory 9—97524
Klimenko, V.A. *see* Kondilenko, I.I. 9—73924
Klimenko, V.E. *see* Kuprievich, V.A. 9—59370
Klimenko, V.M., Ornatskii, E.A., Gorelik, V.S., Pogorzhel'skii, V.I. Stress-strain state of central part during rolling of tall narrow strips 9—52262
Klimenko, V.S. *see* Astakhov, E.A. 9—70195
Klimenko, V.V. *see* Kesil'man, E.Sh. 9—80082
Klimenkov, E.A. *see* Bazin, Yu.A. 9—90521
Klimin, A.I. *see* Denisev, V.P. 9—83106
Klimin, A.I. *see* Denisov, V.P. 9—69959
Klimin, A.N., Pen, E.F., Remesnik, V.G., Ryzhikov, A.B., Tsukerman, V.G. Surface relief holograms on chalcogenide films 9—94181
Klimker, H., Dariel, M.P., Rosen, M. Temperature and magnetic field dependence of the elastic properties of rare earth-cobalt Laves phase compounds 9—51834
Klimkin, V.F. *see* Golubev, V.A. 9—72922, 9—86480
Klimmeck, M. Study on the electrochemical behaviour of molybdenum 9—87762
Klimontovich, Yu.L. On fluctuations in the critical region 9—75484
Klimov, A.I. *see* Grebinnik, V.G. 9—56667, 9—56694
Klimov, A.I. *see* Gurevich, I.I. 9—91332
Klimov, A.I. *see* Ibragim, M.A. 9—94650
Klimov, I.I. *see* Mtskeradze, G.Sh. 9—50254
Klimov, K.M., Novikov, I.I. Influence of temperature gradient and high-density electrical current on plastic strain accompanying extension of metallic wires 9—57049
Klimov, N.N., Sutyrin, N.A. The influence of magnetospheric electric fields on the distribution of oxygen in the mesosphere and lower thermosphere 9—66850
Klimov, N.N. *see* Ivel'skaya, M.K. 9—53589
Klimov, V.A. *see* Andreev, G.A. 9—66066
Klimov, V.D. *see* Zaitsev, V.V. 9—50916
Klimov, V.N. *see* Aref'ev, K.P. 9—51530
Klimov, V.V. *see* Didkovskaya, O.S. 9—52140, 9—87392
Klimova, E.G., Rivin, G.S. Methods for solving the Bouleyev-Marchuk equation 9—100967
Klimovich, A.V. *see* Litovskii, E.Ya. 9—73352
Klimovich, N.I. *see* Kiselev, V.S. 9—62613
Klimovitskki, A.M. *see* Pilyankevich, A.N. 9—49340
Klimovskii, I.I. *see* Pyatnitskii, L.N. 9—64923
Klimusheva, G.V. *see* Sokolov, M.N. 9—89686
Klimusheva, G.V. *see* Zagainova, L.I. 9—82253
Klimyk, A.U. Matrix elements and Casimir operators of the discrete series representations of the group U(p,q) 9—97238
Klimyk, A.U., Gavrilik, A.M. Representation matrix elements and Clebsch-Gordan coefficients of the semisimple Lie groups 9—97230
Klinahuk, Yu.I. *see* Boiko, Yu.I. 9—95024
Kline, F.J. *see* Maruyama, X.K. 9—63661
Kline, G.R. *see* Moon, R.M. 9—73686
Kline, J.M. *see* Sulzmann, K.G.P. 9—64799
Kline, L.E. *see* Partlow, W.D. 9—77433
Kline, R.V. *see* Jonckheere, A. 9—63527
Kline, R.W., Gillin, M.T., Kun, L.E. Cranial irradiation in acute leukemia: dose estimate in the lens 9—88198
Kline, W.A. *see* DeVor, R.E. 9—98542
Klingenbeck, K. Nonstatic effects in elastic and inelastic pion-nucleus scattering 9—80955
Klingenbeck, K. Recoil effects in pion nucleus scattering 9—85555
Klingenbeck, K., Huber, M.G. Pionic resonance fluorescence 9—85554
Klingenbeck, K. *see* Dillig, M. 9—85428
Klingenbeck, K. *see* Huber, M.G. 9—67776
Klingenberg, G. Calculation of weakly ionised plasma scattering spectra with the help of two-time probability densities 9—77347
Klingenberg, R., Sahl, K. Crystallographic characterisation and properties in the solid solution system $Pb(Fe/Al/Ga)_{12}O_{19}$ 9—94972

Klinger, H.G. The minimum inactivated cell ratio: a concept for the estimation of biological effectiveness of hyperthermic treatment of tissue 9—100574
Klinger, J.S. *see* Gibbard, B.G. 9—71756
Klinger, M.I., Belianinov, Yu.N. Atomic tunneling states in low-temperature dielectric and elastic losses of diamagnetic glassy semiconductors 9—87385
Klinger, M.I. *see* Azizyan, A.O. 9—90816
Klinger, M.I. *see* Karpov, V.G. 9—69155
Klinger, R.E. *see* Bajor, G. 9—91087
Klinger, R.E. *see* Greene, J.E. 9—52071
Klinger, W. *see* Bohm, R. 9—63589
Klinger, W. *see* Witthuhn, W. 9—51895
Klingshirn, C. *see* Kurtze, G. 9—61424
Klingshirn, C. *see* Schrey, H. 9—78744, 9—87446
Klingsporn, P.E. Use of a laser interferometric displacement-measuring system for noncontact positioning of a sphere on a rotation axis through its center and for measuring the spherical contour 9—97416
Klinken, J.van *see* van Klinken, J.
Klinken, J.Van *see* Van Klinken, J.
Klinkenger, K. *see* Bruno, R. 9—61951
Klinkov, V.K., Mukhmarov, Ch.K., Palitsyna, I.A. Anomalous dispersion of the Faraday effect in liquid oxygen 9—99856
Klinkova, L.A., Skrebkova, E.D. Crystallization of MoO_2 from the gas phase 9—52090
Klinzing, G.E. *see* Black, D.L. 9—90217
Klip, D.A. *see* Klip, W. 9—62279, 9—79576
Klip, W., Janicki, J.S., Klip, D.A., Reeves, R.C. An energy density function for the heart encompassing both elastic and contractile properties 9—62279
Klip, W., Janicki, J.S., Reeves, R.C., Klip, D.A. The independence of preload and afterload of the contraction variable for the heart muscle. Thermodynamic and clincial consequences 9—79576
Klipov, A.D. *see* Golovanov, A.L. 9—52192
Klippel, W. *see* Warneck, P. 9—53405
Klipping, G. *see* Buttner, P. 9—58753
Klipping, G. *see* Denner, H.-D. 9—60578
Klipping, G. *see* Ezaki, T. 9—71487
Klipping, G. *see* Irie, F. 9—60965
Klipping, I. *see* Denner, H.-D. 9—60578
Klir, P. *see* Dienstbier, Z. 9—57717
Klishchenko, A.P. *see* Gaisenok, V.A. 9—56833
Klishchenko, A.P. *see* Gulakov, I.R. 9—57329
Klisurski, D. *see* Bliznakov, G. 9—66346
Kljajic, M., Trnkoczy, A., Stanic, U. Energy-information performance criteria of walking 9—53181
Klobuchar, R.L. *see* Haustein, P.E. 9—67664
Kloc, K. *see* Weszka, J. 9—91441
Klochan, E.L. *see* Dotsenko, A.V. 9—72602
Klochan, V.A. Irreversibility of spontaneous spin-reorientation effects in demagnetized cubic magnetic crystals 9—73761
Klochikhin, A.A., Morozenko, Ya.V., Permogorov, S.A. Resonance secondary radiation from ZnTe crystals 9—99886
Klochko, A.V. *see* Grudinin, M.M. 9—53063
Klochko, E.V. *see* Grudinin, M.M. 9—53063
Klochkov, A.M. *see* Rozhnov, V.P. 9—76900
Klochkov, V.P. Frequencies of 0,0-transitions in continuous and diffuse spectra of polyatomic molecules (a review) 9—93965
Klochkov, V.P. *see* Bofdanov, V.L. 9—52007
Klochkov, V.P. *see* Bogdanov, V.L. 9—98148
Klochkov, V.P. *see* Ivanov, V.P. 9—64807, 9—81937
Klochkov, V.P. *see* Stolbova, O.V. 9—54892
Klochkova, V.G., Krasnikov, D.N., Ukhov, B.V. Elimination of scale and luminance distortions in thermal imaging systems with a large field of view 9—50398
Klochkova, V.G. *see* Ukhov, B.V. 9—81552
Klochov, V.P., Bogdanov, V.L., Stolbova, O.V. Light quenching study of the fluorescence quantum yield of organic compounds 9—98147
Kloczkowski, A. *see* Stecki, J. 9—94880
Kloet, W.M. Pion production in nucleon-nucleon scattering 9—80841
Kloet, W.M., Silbar, R.R. Polarized proton-proton scattering at intermediate energies 9—67590
Kloetz, G. *see* Neumann, W. 9—79186
Kloker, D.R. *see* Medress, M.F. 9—64424
Klokishner, S.I., Perlin, Yu.E., Tsukerblat, B.S. Polarization dichroism in the optical spectra of Jahn-Teller excitons 9—69435
Klokocnik, J. $\beta/2$-orbital resonances of Earth satellites for geopotential applications 9—53296
Klokocnik, J. *see* Kostelecky, J. 9—84071
Klokova, N.P. Metrological characteristics of resistance strain gauges and evaluation of deformation measurement errors 9—75521
Klon-Palczewska, M. *see* Taraszewska, J. 9—51245
Klonk, H. *see* Porile, N.T. 9—67790
Kloos, F., Go, S., Mandelkern, L. Swelling of solution-formed polyethylene crystals of low molecular weight 9—94920
Klooster, H.A.van 'T *see* van 'T Klooster, H.A.
Klooster, P.van 't *see* van 't Klooster, P.
Klootwijk, C., Sharma, M.L., Gergan, J., Tirkey, B., Shah, S.K., Agarwal, V. The extent of Greater India. II. Palaeomagnetic data from the Ladakh Intrusives at Kargil, northwestern Himalayas 9—88241
Klopffer, W. Energy transfer and trapping in rigid solutions of aromatic polymers 9—69431
Klopffer, W., Kaufmann, G. Absorption and fluorescence spectra of methyl salicylate in the vapor phase 9—81232
Kloppel, K.D., Seidel, W. Investigation of monolayers by secondary ion mass spectroscopy (SIMS) 9—89038
Kloppel, M., Stilke, G., Wamser, C. Experimental investigation into variations of ground-based inversions and comparison with results of simple boundary-layer models 9—66748
Klopper, J.F., Spencer, R.P., Srivastava, S.C., Meinken, G.E., Atkins, H.L., Richards, P., Som, P. Studies on radionuclide determination of regional hematocrit in dogs 9—62411
Klose, J.Z. Measurements of mean lives in atomic uranium [isotope separation appl.] 9—50152
Klose, J.Z. Mean life of the $4s^2S_{1/2}$ resonance level in Al I 9—59400
Klosova, E. *see* Krtil, J. 9—63746
Klosova, E. *see* Sus, F. 9—89373
Klosowski, J., Steger, E. Experiments on Raman versus primary light scattering fluxes from pressed discs 9—91437
Kloster, M. A special extension of the 'general point performance equation' 9—77176
Klosterman, E.L., Byron, S.R. Electrical and laser diagnostics of an 80-kW supersonic CW CO electric laser 9—98399
Klostermann, J.A. *see* Zaalberg, R.J. 9—91698
Klostermann, K., Hobert, H. Investigation of the chemical composition of hydrocarbons chemisorbed on silica-supported nickel by GC/MS-analysis of their hydrogeneration 9—92002
Klotsman, S.M. *see* Arakelov, A.G. 9—82256
Klotsman, S.M. *see* Valdimirov, A.B. 9—99369
Klotyn'sh, E.E., Petrov, V.K. Peculiarities of plasma region reflection in gallium arsenide 9—69827
Klotz, A.H. Geometry at infinity 9—49111
Klotz, A.H. New cosmology 9—53943
Klotz, A.H. Cosmology without a cosmological principle 9—67123
Klotz, A.H. Conservation of energy in the unified field theory 9—71676
Klotz, A.H. *see* Radford, C.J. 9—75430, 9—75431
Klotz, W. *see* Backenstoss, G. 9—76035
Klotz, W.D. *see* Bassalleck, B. 9—59089, 9—85496
Klotz, W.D. *see* Einfeld, D. 9—68021
Klotz, W.-D. *see* Bassalleck, B. 9—67780
Klovning, A. *see* Albrow, M.G. 9—75805
Klovs, P., Breks, J. Investigation of the Zeeman effect in the excitation spectra of acceptors in germanium using the photoelectric spectroscopy method 9—82633
Klovstad, J. *see* Schwartz, R. 9—64440
Klu, Y.C. *see* Ito, K. 9—100170
Kludzin, V.V., Kuzin, A.G., Kulakov, S.V., Vinokurov, V.A. Parametric excitation in an acoustic interferometer with a TeO_2 crystal 9—64381
Klueh, R.L. Microstructural effects on creep-rupture behaviour of annealed $2^1/_4$ Cr-1 Mo steel 9—57120
Klueh, R.L., King, J.F. Unusual creep behavior in a commercial nickel-chromium alloy 9—66124
Klueh, R.L., King, J.F. Strain-rate effects on the elevated-temperature behavior of ERNiCr-3 weld metal 9—93726
Klug, A. *see* Prunell, A. 9—79467
Klug, D.D., Whalley, E. Elliptic phase boundaries between smectic and nematic phases 9—99300
Klug, D.D. *see* Whalley, E. 9—91420
Klug, F.J., Reed, J.S. Microstructure development during sintering of ultrafine $SrO.6Fe_2O_3$ 9—70022
Klug, F.J. *see* Huseby, I.C. 9—87623
Kluge, E.E. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Kluge, H. *see* Busse, W. 9—72215
Kluge, H.-J. *see* Dabkiewicz, P. 9—49576
Kluge, H.-J. *see* Stroke, H.H. 9—49580
Kluge, W. *see* Mechtersheimer, G. 9—93666
Kluger-Bell, B.M., Anderson, R.E., Peterson, R.J., Prull, D.E., Ristinen, R.A., Smith, B.L. The level structure of ^{78}Br 9—59010
Klugman, I.Yu. *see* Bykova, Z.Ya. 9—95304
Klugman, M.R. Drought in the upper Midwest, 1931-1969 9—70880
Kluikov, A.G., Lebedev, V.M. Thermostat for low-power semiconductor devices 9—71450
Kluk, E., Monkos, K., Pasterny, K. A means to obtain angular velocity correlation functions from angular position correlation functions of molecules in liquid. II. The case of symmetric top molecules 9—86661
Kluk, E., Monkos, K., Pasterny, K., Zerda, T. A means to obtain angular velocity correlation functions from angular position correlation functions of molecules in liquid. I. General discussion and its application to linear and spherical top molecules 9—86660
Kluk, E., Papiez, L. Some stochastic differential equations pertaining to the simple molecular reorientation in fluids 9—82132
Kluk, E., Zerda, T.W., Zerda, J. A means to obtain angular velocity correlation functions from angular position correlation functions of molecules in liquid. III. Raman measurement of the transversal angular velocity correlation function for CH_3I 9—87422
Klukhin, V. *see* Ammosov, V. 9—71737
Klukhin, V.I. *see* Berge, J.P. 9—71741
Klumbartzki, G.J. *see* Goldberg, M.B. 9—76313
Klumpar, J., Jirousek, P., Majerova, M. Original communications 9—63861
Klumpar, J., Jirousek, P., Majerova, M. Characteristics of secondary radiation generated by interaction of gamma radiation with air 9—67967
Klumpar, J., Jirousek, P., Majerova, M. The dependence of the exposure efficiency of gamma sources on the focal distance of the measured point 9—89518
Klumusheva, G.V. *see* Zagainova, L.I. 9—78720
Klundert, L.J.M.van de *see* van de Klundert, L.J.M.
Kluson, J. *see* Darickova, A. 9—67964
Kluttig, H. *see* Gerlach, E. 9—78091
Kluwick, A., Bodonyi, R.J. Freely interacting laminar boundary layers in channels 9—81981
Kluyver, J.C. *see* Mazzucato, M. 9—89148
Klyachko, A.V. *see* Benetskii, B.A. 9—75952, 9—75990
Klyaeva, T.M. *see* Bolotina, N.E. 9—66343
Klyagina, N.S. *see* Fridlyander, I-N-. 9—52135
Klyakotko, M.A. Application of the methods of mathematical experiment theory to the investigation of quasars 9—97096
Klyavin, O.V., Chernov, Yu.M., Pravdina, N.N., Rykova, I.I. Characteristics of the dislocation structure of LiF crystals deformed in contact with liquid helium 9—69112
Klyce, S.D. *see* Beverman, R.W. 9—57832
Klykov, N.A. *see* Bakshi, O.A. 9—83287
Klym, N.M. *see* Dutchak, Ya.I. 9—77494
Klymenko, V.E. *see* Kuprievich, V.A. 9—96509
Klynne, J.J., Armstrong, J.A. High-Rydberg states in alkaline-earth atoms. II. Multichannel quantum-defect theory (MQDT) 9—72250
Klyshchaeva, O. *see* Kakabaev, A. 9—83620
Klyubin, V.V. *see* Kapshin, Yu.S. 9—67392
Klyucharev, A.N., Lazarenko, A.V., Movre, M. Profile of the far wings of self-broadened resonance lines in the fluorescence spectrum of optically dense cesium and rubidium vapor 9—76388
Klyucharev, A.N. *see* Devdariani, A.Z. 9—64097
Klyucharev, A.P. *see* Strashinsky, A.G. 9—61933
Klyuchevich, V.F. *see* Zimkin, E.A. 9—100420
Klyuchevskii, Yu.E. *see* Umarov, G.Ya. 9—83621
Klyuchnik, A.V., Lozovik, Yu.E. Effect of interband transitions of the current states in systems with electron-hole pairing 9—51501
Klyuchnikov, A.A. *see* Bulgakov, V.V. 9—75909
Klyuchnikov, A.S., Kurilo, N.I. Recording and reconstruction of microwave holograms in a scheme containing a reflecting screen 9—94198
Klyuchnikov, V.M. *see* Drozhbin, Yu.A. 9—64342
Klyuchnikov, Yu.F. *see* Kopylova, E.A. 9—95744
Klyuev, V.A., Anisimova, V.I., Toporov, Yu.P., Krotova, N.A., Deryagin, B.V. Mechanism of high-energy electron emission in breaking adhesive contact of polymeric materials in vacuo 9—65981
Klyuev, V.A. *see* Khrustalev, Yu.A. 9—56917
Klyuev, V.V. Physical methods of quality control 9—79202
Klyuev, Yu.A., Nepsha, V.I., Epishina, N.I., Smirnov, V.I., Plotnikova, S.P., Prokopchuk, B.I., Kaminskii, F.V. Distinctive features of structure of natural polycrystalline diamonds 9—92530
Klyueva, I.B., Kuranov, A.A., Chemerinskaya, L.S., Babanova, E.N., Bashkatov, A.N., Syutkin, P.N., Sidorenko, F.A., Gel'd, P.V. Electrical and magnetic properties of alloys of palladium with tungsten 9—66174
Klyueva, I.B. *see* Lobanov, V.V. 9—51307
Klyukanov, A.A., Wu Chong Hung Polaron absorption of light in semiconductors 9—56799
Klyukhin, V.I. *see* Efremenko, V.I. 9—75763
Klyukin, L.M. Extreme characteristics of CLC photographic plate for images in IR 9—89994
Klyukin, L.M., Sonin, A.S., Stepanov, B.M. The energetic sensitivity of CLC panels as IR-registrators 9—89995
Klyushin, V.V. *see* Andrievskii, R.A. 9—77641
Klyushnikov, V.D. On the question of second-order bifurcation in plasticity 9—86362
Knaap, M.H., Ludwig, P.W.P.H., van Westenbrugge, J.K., Smit, C.C., Broodman, J.J., van der Krogt, C.A.J. Development, design, construction and prototype test experience of steam generators for SNR 300 9—97792
Knaapen, A.C. *see* Meerman, W.C.P.M. 9—74329
Knab, G.G. *see* Urusovskaya, A.A. 9—65095, 9—95051
Knabbe, E.-A., Harsdorff, M. Scattering experiments with gold on rock-salt and potassium bromide (100) surfaces 9—77924
Knacke, R.F. Solid particles in space 9—88729

Knacke, R.F., Capps, R.W., Johns, M. Observation of large 2.2 μm polarisation in 3C 345 9−80367
Knacke, R.F. *see* Tokunaga, A.T. 9−96947
Knak Jensen, S.J., Mouritsen, O.G., Kjaersgaard Hansen, E., Bak, P. Crossover from first-order to second-order phase transitions in a symmetry-breaking field: Monte Carlo, high-temperature series, and renormalization-group calculations 9−82805
Knap, A.H., Williams, P.J.Le B., Tyler, I. Contribution of volatile petroleum hydrocarbons to the organic carbon budget of an estuary 9−70473
Knape, H.E.G. *see* Aronsson, R. 9−99897
Knape, H.E.G. *see* Torell, L.M. 9−82288
Knapek, E. *see* Dietrich, I. 9−55786
Knapik, J. *see* Astvatsaturov, R.G. 9−76259
Knapp, B.C. *see* Atiya, M.S. 9−80831
Knapp, E.-W., Schulten, K. Magnetic field effect on the hyperfine-induced electron spin motion in radicals undergoing diamagnetic-paramagnetic exchange 9−98123
Knapp, G. *see* Wegscheider, W. 9−57340
Knapp, G.R. *see* Gunn, J.E. 9−97079
Knapp, G.R. *see* Ulrich, R.K. 9−67004
Knapp, G.R. *see* Wannier, P.G. 9−62931
Knapp, J.A., Himpsel, F.J., Eastman, D.E. Experimental energy band dispersions and lifetimes for valence and conduction bands of copper using angle-resolved photoemission 9−77998
Knapp, J.A., Himpsel, F.J., Williams, A.R., Eastman, D.E. Temperature dependence of bulk and surface energy bands in copper using angle-resolved photoemission 9−69572
Knapp, J.A. *see* Eastman, D.E. 9−78829
Knapp, J.A. *see* Himpsel, F.J. 9−69402, 9−69573, 9−100023
Knapp, S.C. *(editor)* AGARD Conference Proceedings No.255. Operational Helicopter Aviation Medicine 9−79664
Knapp, U. *see* Becker, E.W. 9−49825
Knapp, V.R. *see* Carpenter, G.A. 9−62227
Knappe, B. *see* Morl, K. 9−91517
Knast, K., Kielich, S. Symmetric and antisymmetric dynamical Rayleigh light scattering in molecular liquids 9−51970
Knauer, G.A., Martin, J.H., Bruland, K.W. Fluxes of particulate carbon, nitrogen, and phosphorus in the upper water column of the northeast Pacific 9−88368
Knauer, K., Gotz, A. Austria's hydro potential in 1978 9−87962
Knauer, U. Distribution of the iron dopant in barium titanate ceramic, determined by the scanning transmission electron microscope 9−82255
Knauer, W. *see* Goldberg, M.B. 9−76313
Knauer, W. *see* Kumbartzki, G.J. 9−99800
Knauf, P.A. *see* Richhardt, H.W. 9−62218
Knauss, D.C. *see* Evans, G.T. 9−99054
Knauth, H.-D., Alberti, H., Clausen, H. Equilibrium constant of the gas reaction $Cl_2O+H_2O=2HOCl$ and the ultraviolet spectrum of HOCl 9−79238
Knecht, T. *see* Osterstrom, G.E. 9−80630
Kneebone, C.H. *see* Brennan, J.A. 9−68888
Kneff, D.W. *see* Farrar, H., IV 9−67944
Kneidinger, M. *see* Lechner, A. 9−54186
Kneijnsberg, H.P., Slakhorst, J.W.H.G., Verbraak, C.A. Nucleation phenomena in low stacking fault energy FCC metals 9−90681
Kneis, W., Kappel, W., Kogel, B., Lehmann, Ch., Leinweber, G., Mollenbeck, J., Segnitz, W., Schweickert, H. Diagnostics, control and external beam optimization by computer at the Karlsruhe cyclotron 9−54709
Kneissl, U. *see* Gunther, W. 9−76263
Kneizys, F.X. *see* Clough, S.A. 9−81239
Kneubuhl, F.K. *see* Fuchs, F. 9−77784
Kneubuhl, F.K. *see* Sigrist, M.W. 9−60435, 9−77683
Kniazev, V.V. *see* Givernaud, A. 9−75801
Knidiri, M. *see* Nguyen Quy Dao 9−51937
Knief, R.A. *see* Bradshaw, D.T. 9−89368
Knief, R.A. *see* Morel, J.E. 9−85579
Knierzinger, A. *see* Wolfbeis, O.S. 9−59506
Knies, G. *see* Berger, C. 9−49519
Kniezys, F.X. Atmospheric transmittance and radiance: the LOWTRAN code 9−66796
Kniffen, D.A. *see* Hartman, R.C. 9−71105
Knight, A.E.W. *see* Lin, H.-M. 9−81257
Knight, C.A., Ashworth, T., Knight, N.C. Cylindrical ice accretions as simulations of hail growth. II. The structure of fresh and annealed accretions 9−58034
Knight, C.A. *see* Ashworth, T. 9−58033
Knight, C.A. *see* Clark, T.A. 9−88920
Knight, C.A. *see* Cotton, W.D. 9−53922
Knight, C.J. Theoretical modeling of rapid surface vaporization with back pressure 9−77168
Knight, E.A. *see* Singhal, R.P. 9−75900
Knight, F.I. *see* Davies, G.J. 9−91669
Knight, J.R. *see* Burgess, J.W. 9−96450
Knight, L.B., Jr., Mouchet, A., Beaudry, W.T., Duncan, M. High-temperature generation and ESR matrix isolation studies of ZnF and CdF in neon and argon matrices 9−76455
Knight, L.B., Jr., Wise, M.B. ESR investigation of ScF_2 isolated in rare gas matrices at 12K 9−98122
Knight, L.C. *see* Frick, M.P. 9−88211
Knight, N.C. *see* Knight, C.A. 9−58034
Knight, P.L. The role of transients in resonant multiphoton absorption 9−85942
Knight, P.L. Double-pole decay of Rabi oscillations 9−86151
Knight, R.D., Prior, M.H. Laser scanning measurement of the density distribution of confined $^6Li^+$ ions 9−81303
Knight, T.H., Jenkins, K.D., Hendry, G.O. The cyclotron corporation bus-oriented computer control system 9−54703
Knightly, G.H., Sather, D. Nonlinear buckling and stability of cylindrical panels 9−72835
Knights, J.C., Lucovsky, G., Nemanich, R.J. Defects in plasma-deposited a-Si:H 9−65944
Knights, J.C. *see* Lucovsky, G. 9−69864
Knill, R.J. *see* Goldstein, J.A. 9−71228
Knisely, C. *see* Rockwell, D. 9−81840
Knittel, T., Goldsmid, H.J. Effect of magnetic field on the thermal conductivity of lead telluride-tin telluride 9−65263
Knitter, H.-H., Budtz-Jorgensen, C. Measurement of the neutron-induced fission cross section of Am-241 from 100 eV to 5.3 MeV 9−85567
Knize, S. *see* Clowes, R.M. 9−100820
Knobloch, A.F. Some remarks on technology-constrained scaling of conceptual Tokamak reactors 9−76138
Knobloch, E. On the statistical dynamics of the Lorenz model 9−92949
Knobloch, E. *see* Nicolaci Da Costa, L. 9−71132
Knobloch, J. *see* de Groot, J.G.H. 9−49462, 9−49521, 9−75764, 9−85292
Knobloch, J. *see* Groot, J.G.H. 9−93395
Knoch, H. *see* Gazza, G.E. 9−61613
Knoch, H. *see* Himsolt, G. 9−61700
Knoche, H.W., Parkhurst, A.M., Tam, S.W. The effect of volume and quenching on estimation of counting efficiencies in liquid scintillation counting 9−76270
Knoche, K.F., Wozny, G., Cremer, H. Balance and optimization of separation processes in the the sulfuric acid-bromine cycle 9−74413
Knockel, H., Tiemann, E. Microwave-optical double resonance in the $B\ ^3\Pi_{0(+)}$ excited state of ICl 9−85979
Knodel, K. *see* Losecke, W. 9−74833
Knodle, W.S., III., Hershyn, W., Emery, T.R. Speed X-ray analysis 9−54239
Knoebel, S.B., Lovelace, D.E. A two-dimensional clustering technique for identification of multiform ventricular complexes 9−66570
Knoebel, S.B. *see* Lovelace, D.E. 9−66571
Knoepfel, H., Spong, D.A. Review paper−runaway electrons in toroidal discharges 9−64892
Knoesel, R. *see* Frejlich, J. 9−66304
Knof, J., Eichler, J., Salk, J., Schafer, G., Lenz, H. A flexible fibre-optic beam-guiding system and instruments for application in laser surgery 9−83886
Knof, J. *see* Eichler, H.J. 9−64276
Knoll, G.F. *see* Williams, J.J. 9−53220, 9−66523
Knoll, J. Statistical picture of high energy nuclear collision 9−93624
Knoll, J., Randrup, J. Microscopic study of the equilibration in high-energy nuclear collisions 9−93598
Knollenberg, R.G. Sampling aerosol by in situ versus standard methods: some results from recent experiments and developmental work 9−66840
Knollman, G.C., Martinson, R.H., Bellin, J.L. Utrasonic assessment of cumulative internal damage in filled polymers 9−57180
Knoner, R. *see* Jackel, M. 9−88967
Knook, B. *see* Uelhoff, W. 9−74081
Knoor, K., Gross, W., Olijhoek, J.F., Buschow, K.H.J. Crystal fields in $TmCu_5$ 9−51536
Knop, G. *see* Brandelik, R. 9−63491, 9−93441
Knop, G. *see* Brefeld, W. 9−63826, 9−68002
Knop, J.V. *see* Kooter, J.A. 9−68200
Knop, K., Lehmann, H.W., Widmer, R. Microfabrication and evaluation of diffractive optical filters prepared by reactive sputter etching 9−90008
Knop, O., Oxton, I.A., Falk, M. Infrared spectra of the ammonium ion in crystals. VI. Hydrogen bonding in simple and complex ammonium halides 9−82966
Knopf, K. *see* Koester, L. 9−93628
Knopf, U., Nowakowski, K.-D., Peters, O., Wolff, S. Results of field measurements for PETRA magnets 9−68040
Knopfle, K.T. *see* Doll, P. 9−97656
Knopoff, L., Vane, G. Age of East Antarctica from surface wave dispersion 9−92513
Knopp, U. Exact solution to the boundary control problem for one class of local distributed systems 9−85101
Knops, H.J.F., Hilhorst, H.J. Exact differential renormalization of the Ising model at criticality 9−73755
Knor, Z. *see* Gorodetskii, V.V. 9−52774
Knorin, I.A. *see* Biryukov, A.V. 9−80074
Knorr, K. *see* Chappert, C. 9−82808
Knorr, K. *see* Nagele, W. 9−65685
Knorr, K. *see* Renard, J.P. 9−61177
Knorr, R. *see* Lotter, U. 9−91689
Knorring, V.G. *see* Vetryak, V.I. 9−88944
Knoska, S., Krivsky, L. Time-latitude occurrence of flares in solar cycle No 20 (1965-1976) 9−80290
Knote, G. *see* Anderson, J. 9−54646
Knotek, M.L., Jones, V.O., Rehn, V. Photon-stimulated desorption of ions 9−82459
Knotek, M.L. *see* Pollak, M. 9−65480
Knoth, I., Neusser, H.J., Schlag, E.W. Gas phase two-photon spectroscopy of polyazines: pyrazine 9−89724
Knotik, K. *see* Zeger, J. 9−89391
Knott, G.F., Flower, J.O. Wave-tank experiments on an immersed parallel-plate duct 9−52873
Knott, G.F., Flower, J.O. Design and experimental testing of a fully-submerged model wave-power convertor 9−92059
Knott, H.W. *see* Mueller, M.H. 9−99101
Knott, J.F. *see* Curry, D.A. 9−74252
Knott, M.J. *see* Parker, E.F. 9−72054
Knott, T.F. *see* Cohen, E.J. 9−93562
Knowles, G., Wakeford, A.C. A mathematical deterministic river-quality model. I. Formulation and description 9−66731
Knowles, J.K. On the dissipation associated with equilibrium shocks in finite elasticity 9−68634
Knowles, J.K. *see* Sternberg, E. 9−94486
Knowles, J.W. Crystal diffraction spectrometers 9−72183
Knowles, L.G. *see* Wagner, H.N., Jr. 9−70605
Knowles, S.H. Oceanographic measurements using radio interferometer techniques 9−53559
Knox, A.E. *see* Monson, L.R. 9−97874
Knox, B.E. *see* Tongson, L.L. 9−78173
Knox, F.B. *see* Allan, W. 9−75035
Knox, J.M., Diller, K.R. Volumetric changes induced in living cells during freezing and thawing 9−92192
Knox, J.R. *see* Wang, J.-S. 9−59956
Knox, R.A., Sessions, M.H. Compact current meter moorings: design and preliminary results 9−88482
Knude, J. Interstellar reddening and intercloud density in the solar vicinity 9−88720
Knudsen, E.I., Konishi, M. Center-surround organization of auditory receptive fields in the owl 9−66476
Knudsen, H., Moak, C.D., Jones, C.M., Miller, P.D., Sayer, R.O., Alton, G.D., Bridwell, L.B. Total electron-loss cross sections and absolute charge-state yields of 20-MeV Fe ions transmitted through gaseous targets 9−54957
Knudsen, H. *see* Moak, C.D. 9−51178
Knudsen, J.E. *see* Bhargava, S.C. 9−95688
Knudsen, J.G. *see* Mohandes, A. 9−81968
Knudsen, W.C., Bakke, J., Spenner, K., Novak, V. Retarding potential analyzer for the Pioneer-Venus Orbiter Mission 9−58251
Knudsen, W.C. *see* Cravens, T.E. 9−75127
Knudson, A.R. *see* Lloyd, J.N. 9−73819
Knudson, J. *see* Madey, R. 9−76216
Knupfer, W. *see* Gross, W. 9−71817
Knupffer, H. The METAVAL inverted incident-light-microscope−a modern equipment for routine metallographic examinations and research 9−49282
Knurenko, S.P. *see* D'yakonov, M.N. 9−80151
Knuth, E.L. *see* Sharma, P.K. 9−98760
Knutson, L.D., Colby, P.C., Bieszk, J.A. D-state effects in low-energy (d,t) and (d, ^{3}He) reactions 9−85446
Knutson, L.D. *see* Jeppesen, R.H. 9−85533
Knuyt, G., Stals, L.M. The Na vacancy formation energy value from phonon data 9−77592
Kny, E., Levenson, L.L., James, W.J., Auerbach, R.A. Interface composition and adhesion of glow-discharge-formed organo-tin polymers 9−82467
Knyaz', A.I. Plane-parallel fields and boundary problems in the theory of analytic functions 9−62996
Knyazev, A.S. *see* Suslikov, L.M. 9−65862
Knyazev, I.N., Kudryavtsev, Yu.A., Kuz'mina, N.P., Letokhov, V.S. Isotope-selective photodissociation of CF_3I molecules by multiphoton vibrational and subsequent electron excitation by laser radiation 9−59517
Knyazev, I.N., Letokhov, V.S., Lobko, V.V. Weakly forbidden vibration-rotation transitions $\Delta R \neq 0$ in CF_4 laser 9−55121
Knyazev, I.N. *see* Ambartzumian, R.V. 9−54926
Knyazev, Yu.V. *see* Sasovskaya, I.I. 9−56814
Knyihar, E., Csillik, B., Rakic, P. Transient synapses in the embryonic primate spinal cord 9−74623
Knysh, V.V., Moiseenko, V.A., Timchenko, I.E. Assimilation of hydrophysical measurements in a numerical model of oceanic density fields and currents 9−100977
Knysh, Yu.A. *see* Belousov, A.N. 9−86444
Knystautas, E.J., Buchet-Poulizac, M.C., Buchet, J.P., Druetta, M. Beam-foil study of fluorine in the far UV 9−59389
Knyukshto, V.N. *see* Blokhin, A.P. 9−54889

Knyukshto, V.N. *see* Dvornikov, S.S. 9—70522, 9—89706
Knyukshto, V.N. *see* Gradyushko, A.T. 9—99932
Ko, C.M., Agassi, D., Weidenmuller, H.A. Transport theory of deeply-inelastic heavy-ion collisions based on a random-matrix model. II. Study of a one-dimensional model 9—49633
Ko, C.M., Riska, D.O. The reaction $\pi^+ d \rightarrow pp$ and the absorptive P-wave pion-nucleus optical potential 9—76031
Ko, C.M. *see* Agassi, D. 9—49634
Ko, C.-M. Pion absorption in highly excited nuclear matter 9—93542
Ko, C.-P. *see* Roper, S. 9—53081
Ko, D.R.S. *see* Kubota, T. 9—77148
Ko, E.I., Madix, R.J. Decomposition of formic acid on Ni(100)-p(2×2)C 9—91995
Ko, H.C. On the passage of radiation through moving astrophysical plasmas: the Fresnel drag in transversely moving dispersive media 9—96902
Ko, J.S. *see* Spitzer, W.G. 9—86807
Ko, K., Kuehl, H.H. Cylindrical and spherical Korteweg-de Vries solitary waves 9—77371
Ko, M. *see* Nishizawa, T. 9—60508
Ko, M.K.W. *see* Chylek, P. 9—84473
Ko, M.K.W. *see* Nien Dak Sze 9—53490, 9—84423
Ko, N.W.M. Responses of teachers to aircraft noise 9—70496
Ko, N.W.M., Chan, W.T. The inner regions of annular jets 9—86479
Ko, P.L. Experimental studies of tube frettings in steam generators and heat exchangers 9—81003
Ko, W. *see* Kass, R.D. 9—93472
Ko Che-Ming *see* Che-Ming Ko
Ko Hon Chung *see* Hon Chung Ko
Ko Sung-Hwan *see* Sung-Hwan Ko
Ko-yi Chang *see* Chang Ko-yi
Koba, B.V. *see* Zhukov, V.A. 9—95416
Koba, Yu.V. *see* Babykin, M.V. 9—68945
Kobashi, K., Klein, M.L. Lattice dynamics of solid oxygen 9—95095
Kobashi, K. *see* Kihara, T. 9—86849
Kobashiri, Y. *see* Kaneda, Y. 9—83924
Kobasko, N.I. Ways of strengthening steel based on intensifying heat exchange processes in martensitic transformation region 9—70065
Kobatake, K. *see* Matsunaga, S. 9—71881
Kobayahsi, H., Yasukochi, K. Recovery heat flux from silent and noisy film boiling states in saturated liquid He II 9—72784
Kobayakawa, H. *see* Cooper, P.S. 9—58540
Kobayakawa, K. *see* Hirabayashi, S. 9—59064
Kobayashi, A., Mori, T. Electron traps in CdS single crystals obtained by admittance spectroscopy on the hetero- and Schottky junctions 9—56159
Kobayashi, A., Nakayama, M., Yamaura, T., Ohkami, Y. Non-contact rotational speed measurement and integrated spatial filter detector 9—93107
Kobayashi, A. *see* Ohba, T. 9—81100
Kobayashi, A. *see* Uezaki, N. 9—70568
Kobayashi, A.S., Urabe, Y., Mall, S., Emery, A.F., Love, W.J. Dynamic finite element analyses of two compact specimens 9—61732
Kobayashi, A.S. *see* Atluri, S.N. 9—100642
Kobayashi, A.S. *see* Mall, S. 9—55348
Kobayashi, H., Seo, K., Midorikawa, S., Yoshimi, Y., Tohno, I., Tokimatsu, K., Katayama, T., Shibata, H. A report on the Miyagiken-Oki, Japan, earthquake of June 12, 1978 9—88291
Kobayashi, H. *see* Hirano, K. 9—83304
Kobayashi, H. *see* Midorikawa, S. 9—88307
Kobayashi, I., Maki, M., Suzuki, M., Kaneko, Y., Tsuruda, K. New chemical reagent to remove atmospheric NO_x 'MARTZCLEAN' 9—52976
Kobayashi, I., Miki, T., Matsuoka, S. High-sensitivity optical powermeter with optical chopper using a tuning fork 9—80661
Kobayashi, I. *see* Mukai, K. 9—51394
Kobayashi, J. Measurement of optical activity of crystals 9—65832
Kobayashi, J. *see* Uesu, Y. 9—61339
Kobayashi, K. Excitons in thallous halides in a magnetic field 9—60719
Kobayashi, K., Horie, J., Kanda, K., Shibata, T. Reactivity measurements in a thorium critical assembly 9—80976
Kobayashi, K., Ishikawa, R., Minemura, K., Sugimoto, S. Micro-optic devices for fiber-optic communications 9—55211
Kobayashi, K., Seki, M. Micro-optic grating multiplexers for fiber-optic communications 9—50423
Kobayashi, K., Sumitomo, H. Permeative separation of metal ions through the polymer membrane containing gluconate group 9—74418
Kobayashi, K. *see* Arai, O. 9—87542
Kobayashi, K. *see* Fujii, A. 9—61393
Kobayashi, K. *see* Kanazawa, K. 9—87717
Kobayashi, K. *see* Miyazaki, K. 9—78923
Kobayashi, K. *see* Murota, J. 9—55773
Kobayashi, K. *see* Seki, M. 9—50424
Kobayashi, K. *see* Sueishi, T. 9—66616
Kobayashi, K. *see* Sugimoto, S. 9—76840
Kobayashi, K. *see* Waki, H. 9—72463
Kobayashi, K. *see* Yamamoto, S. 9—54433
Kobayashi, K.L. *see* Katayama, Y. 9—78179
Kobayashi, K.L.I. *see* Suski, T. 9—65809
Kobayashi, M. The determination of molecular weight of polymethyl methacrylate by activation analysis of chlorine in an end-group 9—66377
Kobayashi, M. Intermolecular force field and normal vibrations of polyethylene crystals 9—73265
Kobayashi, M., Hujisawa, T., Hashimoto, K., Yosomiya, R. Thermal behavior of glass fiber 9—77780
Kobayashi, M., Hujisawa, T., Hashimoto, K., Yosomiya, R. Analysis of melt spinning process of glass 9—78911
Kobayashi, M., Katsumata, K., Sato, T., Miyako, Y. Specific heat measurements on a random mixture of two antiferromagnets with competing anisotropies 9—65678
Kobayashi, M., Sakaida, Y., Taniguchi, M., Narita, S. Far-infrared absorption spectra of impurity band in n-type germanium 9—91469
Kobayashi, M., Shamaly, A. The tenth constraint in the minimally coupled spin-2 wave equation 9—54264
Kobayashi, M., Sugita, T. Complex reciprocity theorem for multiregions with piezoelectic media and surface impedance 9—61307
Kobayashi, M., Tsujikawa, I. Susceptibility fluctuation in superconducting first stage potassium graphite intercalation compound near transition temperature 9—78259
Kobayashi, M., Tuzi, Y. Performance of a directional detector of molecular density 9—80626
Kobayashi, M. *see* Arakawa, I. 9—80635
Kobayashi, M. *see* Hayashi, H. 9—99368
Kobayashi, M. *see* Hayashi, S. 9—83457
Kobayashi, M. *see* Ishibashi, K. 9—58748, 9—61691, 9—69629
Kobayashi, M. *see* Ito, K. 9—83252
Kobayashi, M. *see* Katsumata, K. 9—71500, 9—73748
Kobayashi, M. *see* Komiya, S. 9—85146
Kobayashi, M. *see* Narita, S. 9—95370
Kobayashi, M. *see* Sato, K. 9—73539
Kobayashi, M. *see* Sugimoto, N. 9—60765
Kobayashi, M. *see* Tashiro, K. 9—65872
Kobayashi, M. *see* Uda, M. 9—59392
Kobayashi, N. Fertilized molluscan eggs as an indicatory material for marine pollution bioassay, preliminary experiments 9—52969
Kobayashi, N., Horikoshi, Y. 1.5 μm InGaAsP/InP DH laser with optical waveguide structure 9—72587
Kobayashi, N., Irie, T., Maeda, N., Kojima, H., Akanuma, S., Sakisaka, M. Angular distribution of K-shell Auger electrons for carbon, nitrogen, oxygen and neon excited by energetic ions 9—89756
Kobayashi, N., Maeda, N., Kojima, H., Akanuma, S., Sakisaka, M. K shell excitations for boron and fluorine by heavy and light ion bombardments 9—89758
Kobayashi, N., Miyahara, A., Kawasaki, S. Equilibrium and destruction of a REB in a magnetic guide 9—76171
Kobayashi, N., Muto, Y. Anomalously large negative magnetoresistance of 1T-TaS_2 at ultra low temperatures 9—60852
Kobayashi, N. *see* Ikebe, M. 9—60972
Kobayashi, N. *see* Itoh, Y. 9—54946
Kobayashi, N. *see* Muto, Y. 9—56406
Kobayashi, N. *see* Sasaki, W. 9—95335
Kobayashi, R. *see* Schroeter, J.P. 9—82035
Kobayashi, R. *see* Utsumi, A. 9—50467
Kobayashi, S., Asaoko, J., Ohta, A., Miyoshi, J. Characteristics of high performance dry batteries 'NEO Hi-Top'. Studies on the discharge characteristics of a zinc chloride dry battery 9—87986
Kobayashi, S., Haneoka, S., Takeno, K., Makimoto, K. A centralized water-management-control system for irrigation 9—53373
Kobayashi, S., Ishida, T. Interaction between wind and snow surface 9—84356
Kobayashi, S., Kamiishi, Y., Iwayanagi, S. A new crystal phase of terephthalbis-n-butylaniline 9—51254
Kobayashi, S., Monden, Y., Sasaki, W. Variable range hopping conduction in the lowest temperature region 9—73511
Kobayashi, S., Nomura, K., Sasaki, W. Zeeman critical field in superconducting small particle 9—56453
Kobayashi, S., Takashima, Y. Effects of various carrier gases, temperature and intraparticle diffusivity on breakthrough characteristics of krypton in charcoal bed 9—73392
Kobayashi, S. *see* Hirano, A. 9—86676
Kobayashi, S. *see* Kiguchi, T. 9—97859
Kobayashi, S. *see* Kumagal, M. 9—98546
Kobayashi, S. *see* Kuroda, E. 9—56340
Kobayashi, S. *see* Mada, H. 9—90522
Kobayashi, S. *see* Ootuka, Y. 9—65502, 9—95428
Kobayashi, S. *see* Sasaki, W. 9—95335
Kobayashi, S. *see* Suzuki, K. 9—93131
Kobayashi, S. *see* Torii, C. 9—101065
Kobayashi, T. Photoelectron angular distribution measurements of 1,3,5-triazine and 1,3,5,7-cyclooctatetraene 9—50082
Kobayashi, T. High pressure syntheses of cubic BN using water, urea, and boric acid catalysts 9—83160
Kobayashi, T., Degenkolb, E.O., Rentzepis, P.M. Lifetime measurements of 4-dimethylamino-4'-nitrostilbene fluorescence by picosecond optical amplification 9—81227
Kobayashi, T., Furukawa, Y. Recombination enhanced annealing effect in AlGaAs/GaAs remote junction heterostructure lasers 9—98355
Kobayashi, T., Nakajima, K., Yamashita, T., Onodera, Y. Crossed-shaped proximity-effect bridge 9—82712
Kobayashi, T., Segawa, Y., Namba, S. Picosecond decay kinetics of CdS luminescence studied by a streak camera 9—78752
Kobayashi, T. *see* Aoki, K. 9—56135
Kobayashi, T. *see* Avilez, C. 9—93400
Kobayashi, T. *see* Booth, J. 9—76707
Kobayashi, T. *see* Fukase, T. 9—56381
Kobayashi, T. *see* Hori, S. 9—52281
Kobayashi, T. *see* Kakusho, O. 9—72761
Kobayashi, T. *see* Nishimura, J. 9—80153
Kobayashi, T. *see* Numao, T. 9—89217
Kobayashi, T. *see* Ohta, I. 9—49905
Kobayashi, T. *see* Speriosu, V.S. 9—69116
Kobayashi, T. *see* Suzuki, S. 9—55876
Kobayashi, Y., Andoh, Y., Fujinami, T., Nakayama, K., Takada, K., Takeuchi, T., Okamoto, M. Impedance cardiography for estimating cardiac output during submaximal and maximal work 9—57741
Kobayashi, Y. *see* Kato, E. 9—87606
Kobayashi, Y. *see* Minowa, J. 9—50415
Kobayashi, Y. *see* Yamamoto, H. 9—99697
Kobayasi, T., Sugimura, K., Inaba, H. A compact longitudinally excited atmospheric(LEA) nitrogen laser for generation of sub-nanosecond UV pulses 9—76708
Kobberling, M. *see* Hartwig, S. 9—49621
Kobe, D.H. Gauge invariance in second quantization: applications to Hartree-Fock and generalized random-phase approximations 9—75395
Kobe, S., Ferchmin, A.R., Szlaferek, A. Generalization of a theory of diluted Ising ferromagnets 9—78283
Kobe, S. *see* Hermann, K. 9—61028
Kobelev, A.V., Kobeleva, R.M., Ukhov, V.F. Theory of adhesion of two metal surfaces 9—99430
Kobeleva, R.M. *see* Kobelev, A.V. 9—99430
Kobelt, C. Hi-fi loudspeakers from Heco 9—64475
Koberger, C. *see* Bonsor, D.H. 9—51013
Koberle, R., Swieca, J.A.L. Factorizable Z(N) models 9—93301
Koberle, R. *see* El Afioni, M. 9—49397, 9—63368
Koberstein, J. *see* Russell, T.P. 9—58803
Kobisk, E.H. *see* Aaron, W.S. 9—89411
Kobizskoi, V.I. *see* Kadnikov, O.G. 9—92154
Kobizskoi, V.I. *see* Volovik, V.D. 9—68110
Kobler, U. *see* Khan, H.R. 9—56388, 9—91208
Koblinger, L. *see* Giber, J. 9—74037
Kobliska, R.J. *see* Chaudhari, P. 9—80603
Kobliska, R.J. *see* Gangulee, A. 9—73782, 9—78450
Kobliska, R.J. *see* Mizoguchi, T. 9—73823
Koblova, M.M. *see* Blistanov, A.A. 9—64295
Koblova, M.M. *see* Mikaelyan, A.L. 9—89944
Kobori, T. *see* Fukuda, K. 9—63731
Kobori, Y. *see* Iwata, Y. 9—64565
Kobos, A.M. *see* Mackintosh, R.S. 9—93583
Kobrick, M., Kaula, W.M. A tidal theory for the origin of the solar nebula 9—84687
Kobrinskii, A.A. The mechanical properties of manipulation systems 9—85132
Kobrinskii, M.N. *see* Anisovich, V.V. 9—49532
Kobuke, Y. *see* Tabushi, I. 9—92052
Kobuku, N. *see* Motozima, K. 9—70874
Kobulashvili, A.G. *see* Aglamazov, V.A. 9—84616
Kobussen, J.A. Generalized Hamiltonian dynamics for fields 9—53989
Kobussen, J.A. Field theoretical approach to fluxes in crystals 9—69199
Kobussen, J.A. Applications of generalized Hamiltonian dynamics 9—75678
Kobyakov, I.B., Kopanskii, A.G., Kuz'mina, I.P., Lobachev, A.N. A transducer for inspecting parts with a surface temperature up to 500°C 9—98584
Kobylansky, A.I. The effect of rotation-vibrational interaction on the line intensities in the optical spectra of diatomic molecules 9—85945
Kobylinskii, N.A., Martynov, E.S., Prognimak, A.B. The relation between the Regge trajectory intercepts and the new mass formulas 9—85283
Kobylinskii, N.A., Prognimak, A.B., Trushevskii, A.A. The threshhold-branch-point structure of the Regge trajectories in the ladder approximation 9—89136
Kobylinskii, N.A., Timokhin, V.V. Saturation of the πN charge exchange scattering and trajectory properties 9—89186
Kobylinsky, N.A. The equality of radii characterizing ρ and ψ trajectories 9—63457
Kobzarev, I.Yu. A. Einstein, M. Planck and atomic theory 9—84933

Kobzarev, I.Yu., Martem'yanov, B.V., Shchepkin, M.G. Masses of light hadrons in bag model 9—67514
Kobzarev, I.Yu., Martem'yanov, B.V., Shchepkin, M.G. Electromagnetic characteristics of hadrons in the bag model 9—93380
Kobzareva, S.A. *see* Distler, G.I. 9—52105
Kobzenko, G.F. *see* Khodosov, E.F. 9—61248
Kobzev, G.A., Kurilenkov, Yu.K. Effect of nonideality of photorecombination plasma spectra 9—82046
Kobzev, G.A. *see* D'yachkov, L.G. 9—76678
Kobzev, N.S. *see* Khina, M.L. 9—100190
Kobzev, V.A., Kolokolov, E.I., Terent'ev, V.F., Kainova, G.E. The working capacity of structural steels in the stage of stable crack growth 9—52369
Koca, M., Balantekin, A.B. SO_4 symmetry for classification of dibaryons and baryoniums 9—97531
Koca, M. *see* Davidson, A. 9—80753, 9—93310
Kocak, M., Platte, C., Tromel, M. Bariumhexaoxidetellurate (IV, VI): Oxygen coordination number of tetravalent tellurium 9—69075
Koch, A.S., Feher, G., Lukovits, I. A simple model of dynamic receptor pattern generation 9—62207
Koch, C. *see* Kunstle, K. 9—87944
Koch, D. *see* Giacconi, R. 9—70941
Koch, D.G. A statistical approach to lens tolerancing 9—86238
Koch, E. Earth heat—alternative or addition to nuclear energy? 9—52876
Koch, E.E. *see* Iwan, M. 9—50079, 9—78847
Koch, E.E. *see* Saile, V. 9—95340
Koch, G. Existing and projected reprocessing plants: a general review 9—85717
Koch, G.H. Hydrogen induced fracture of a high strength aluminum alloy 9—91837
Koch, H. Exotic atoms: a new method in nuclear and elementary particle physics 9—76536
Koch, H., Kimmich, R. Analysis of the dynamics of molten polyethylene in three components by proton relaxation spectroscopy of an isotopically diluted system 9—65754
Koch, H. *see* Backenstoss, G. 9—68336, 9—76035
Koch, H.R. *see* Pinston, J.A. 9—63590
Koch, H.R. *see* Van den Cruyce, J.M. 9—93491
Koch, J. Some current developments in solar array technology at AEG-Telefunken 9—96455
Koch, J.F. *see* Neppl, F. 9—82677
Koch, J.H., Moniz, E.J. Coherent π^0 photoproduction in the isobar-hole formalism 9—89290
Koch, J.H. *see* Hirata, M. 9—85350
Koch, J.H. *see* Konijn, J. 9—86085, 9—98251
Koch, L., Ernstberger, R., Kammerichs, Kl. Formation of minor actinides and requirements of nuclear incineration 9—85705
Koch, M.E., Collins, C.B. Space-charge ion detection of multiphoton absorption phenomena in lithium vapor 9—54827
Koch, M.E., Stwalley, W.C., Collins, C.B. Observation of bound-free-bound triplet absorption bands in Li_2 9—50035
Koch, O.G. Analytical Chemistry Division. Commission on microchemical techniques and trace analysis. General aspects of trace analytical methods. II. Standard reference materials for trace analysis. II. Available standard reference materials 9—49191
Koch, P.M. Electron scattering resonances in fast D(high n)-N_2 collisions 9—81268
Koch, P.M. *see* Silverstone, H.J. 9—98024
Koch, R. Materials characterization by acoustic microscopy 9—74335
Koch, R. *see* Abermann, R. 9—87026
Koch, R.A. *see* Horton, W., Jr. 9—60141
Koch, W. *see* Brandelik, R. 9—63491, 9—93441
Koch, W.F., Davis, R.S., Bower, V.E. Direct determination of air density in a balance through artifacts characterized in an evacuated weighing chamber 9—88916
Kochan, V.A. *see* Mil'chenko, V.Yu. 9—75526
Kochan, V.V. *see* Mil'chenko, V.Yu. 9—75526
Kochan Ju *see* Gallagher, T.J. 9—56581
Kochanski, E. *see* Rossi, A. 9—98241
Kochanski, T. *see* Gentle, K.W. 9—90442
Kochar, G.T., Jain, R.K. Note on Howard's semicircle theorem 9—60047
Kochar, G.T., Jain, R.K. On Howard's semi-circle theorem in hydromagnetics 9—90344
Kocharov, G.E., Vasil'ev, S.S., Dergachev, V.A., Ibragimov, I.A., Koval'tsov, G.A., Kocharov, L.G., Mal'chenko, N.I., Metskhvarishvili, R.Ya., Tleugaliev, S.Kh. Solar activity, cosmic-ray variations, and neutrino fluxes 9—84599
Kocharov, L.G. *see* Kocharov, G.E. 9—84599
Kocharovsky, V.V. *see* Zheleznyakov, V.V. 9—94803
Kocharovsky, Vl.V. *see* Zheleznyakov, V.V. 9—94803
Kocharyan, L.A. *see* Arakelyan, A.R. 9—87345
Kochedykov, V.A. *see* Kaliev, K.A. 9—52482
Kochegarova, G.B. *see* Novikov, V.F. 9—82849
Kochegura, N.M. *see* Kazachkov, S.P. 9—69174
Kochelaev, B.I. *see* Grinberg, E.S. 9—99751
Kochelap, V.A. *see* Izmailov, I.A. 9—96313
Kochelap, V.A. *see* Pekar, S.I. 9—76682
Kochelayev, B.I., Tagirov, L.R., Khusainov, M.G. Spatial dispersion of the spin susceptibility of conductivity electrons in superconductors 9—51719
Kochemasov, G.G. *see* Dolgopolov, Yu.V. 9—59769
Kochen, G. Limits of accuracy measuring fluid flow with pressure difference devices 9—98841
Kochengina, M.K. *see* Bonch-Bruevich, A.M. 9—65884
Kochepasov, I.I. *see* Panin, V.E. 9—91605
Kochepasov, I.I. *see* Poletika, I.M. 9—74154
Kocher, D.G. Stroboscopic interferometry 9—58782
Kocher, D.J. *see* Otter, G. 9—85338
Kochergin, Yu.S. *see* Vygodskii, Ya.S. 9—57231
Kocheryzhenkov, A.I. *see* Vinokur, F.L. 9—66135
Kocheryzhenkov, G.V. *see* Matveyev, S.K. 9—98776
Kocherzhevskii, V.G. *see* Erokhin, G.A. 9—64159
Kocherzhinskii, Yu.A. *see* Borisov, Yu.S. 9—95988
Kochetkov, A.V. *see* Razhenov, V.G. 9—68618
Kochetkov, I.A. *see* Kazachkovskii, O.D. 9—97803
Kochetkov, L.A., Bagdasarov, Yu.E. Past and present role of fast breeder reactors in the USSR 9—97893
Kochetkov, L.A. *see* Poplavskii, V.M. 9—97876
Kochetkov, M.I. *see* Ivanov, N.M. 9—52605
Kochetkov, V.I. *see* Baranov, D.S. 9—54334
Kochetkov, V.I. *see* Bugorskii, A.P. 9—68119
Kochetkov, V.I. *see* Burgorskii, A.P. 9—97641
Kochetkov, V.M. *see* Riznichenko, Yu.V. 9—79783
Kochetkov, Yu.A. *see* Avtonomov, V.P. 9—59687
Kochetov, G.P. Experience of production of a columnar structure in semifinished permanent magnets 9—54157
Kochetov, I.V., Pevgov, V.G., Shibin, A.V. Efficiency of a CO_2 laser at 14 and 16 μ 9—59670
Kochetov, I.V. *see* Grigo'yan, G.M. 9—64216
Kochetov, I.V. *see* Zhdanok, S.A. 9—76677
Kochetov, V.T., Karzov, G.P., Timofeev, B.T., Tyunin, A.A. Distribution law of the variance of material properties in low-cycle fatigue tests 9—91799
Kochhar, R.K. On the origin and Z-distribution of pulsars 9—53850
Kochi, I. *see* Islam, N. 9—77793
Kochiev, A.A. New intermediate orbits of a point of small mass in the restricted three-body problem 9—62731
Kochiev, A.A. A qualitative analysis of forms of motion in one model problem 9—62733
Kochin, R.N. *see* Batavin, V.V. 9—56287
Kochina, M.P., Lysanov, Yu.V., Ostromukhova, G.P., Yudin, M.F. Errors of dosimeters 9—93835
Kochkina, V.M. *see* Volkova, G.A. 9—57577
Kochlamazashvili, B.T., Kakiashvili, Sh.D., Bostashvili, N.G. The Listokhod-1 ultrasonic flaw-detection system 9—52583
Kochmarev, L.Yu. *see* Vlasenko, S.I. 9—55583
Kochmola, N.M., Nikol'skii, A.P. Assessment of error of X-ray spectral analysis of a sintering (agglomeration) charge 9—52823
Kochnev, V.A. *see* Istomin, V.G. 9—66947
Kochubei, V.A. Synchrotron radiation as an equipment calibration source for studies in the ultraviolet and X-ray range 9—75619
Kochurov, A.G. *see* Abdivaliev, L. 9—93568
Kocian, P. Note on the dissociation of oxygen in a low-pressure discharge plasma 9—100356
Kocinski, J. Constant intensity curves in critical scattering and von Laue diagrams 9—99024
Kock, A.J.R.de *see* de Kock, A.J.R.
Kock, L.C.J.M.de *see* de Kock, L.C.J.M.
Kock, W.E. Space-frequency equivalence in holographic optical processing 9—76646
Kocka, J., Elliott, S.R., Davis, E.A. AC conductivity and photo-induced states in amorphous semiconductors 9—87128
Kocka, J. *see* Gazso, J. 9—78106
Kockarts, G. *see* Barlier, F. 9—66852
Kockelman, W.J. *see* Brabb, E.E. 9—88273
Kockelmann, H. *see* Dolle, H. 9—91701
Kockelmann, H. *see* Hauk, V. 9—91876
Kocks, U.F. *see* Mulford, R.A. 9—79024
Kocot, K., Rao, R.A., Pearson, G.L. Properties of Cr deep levels in $Al_xGa_{1-x}As$:Cr 9—69465
Kocsi, A. *see* Ramamoorthy, P. 9—80703
Koctyukov, V.A. *see* Nikolaev, A.V. 9—100282
Koczorowska, L., Wrzeciono, A. Domain wall grooving in $GdCo_5$, $ErCo_6$ and Er_2Co_{17} 9—70232
Koda, M., Dogru, A.H., Seinfeld, J.H. Sensitivity analysis of partial differential equations with application to reaction and diffusion processes 9—49178
Koda, S. *see* Nomura, H. 9—83522
Koda, S. *see* Yano, S. 9—79157
Koda, T. *see* Mitani, T. 9—91513
Koda, Y., Kawashima, T. On the abilities of a well-type semiconductor detector 9—89521
Kodaira, J., Matsuda, S., Muta, T., Uematsu, T., Sasaki, K. Quantum-chromodynamic effects in polarized electroproduction 9—93428
Kodaira, K. *see* Ito, S. 9—87571
Kodaira, K. *see* Shimada, S. 9—83157
Kodaira, K. *see* Watanabe, T. 9—80307
Kodaira, K. *see* Yajima, N. 9—80227
Kodama, H. *see* Izumi, F. 9—51083, 9—78858
Kodama, K.P. New paleomagnetic results from the Rio Dell Formation, California 9—70741
Kodama, M. *see* Okano, M. 9—80144
Kodama, M. *see* Tsuchida, E. 9—98616
Kodama, S., Miyakawa, S. Rolling residual stress in high carbon steel plates 9—66081
Kodama, S. *see* Kajiya, F. 9—70609
Kodama, S. *see* Mori, N. 9—56425
Kodama, T., de Oliveira, L.C.S., Santos, F.C. Properties of a general-relativistic kink solution 9—85226
Kodama, Y. *see* Satsuma, J. 9—97217
Kodera, K. *see* Robert, P. 9—70924
Kodera, K. *see* Suzuki, J. 9—84009
Kodera, Y. *see* Uchida, S. 9—100713
Kodess, B.N. Anisotropic thermal parameters of Nb in Nb_3Sn 9—99282
Kodos, I.I. *see* Myshlyaev, M.M. 9—90670
Kodre, A.F., Shafroth, S.M. Resonant Raman scattering of X-rays: evidence for K-M scattering 9—61466
Koeckelenbergh, A. Concerning certain hypotheses about the causes of solar activity 9—84760
Koefoed, O., Dirks, F.J.H. Determination of resistivity sounding filters by the Wiener-Hopf least-squares method 9—92621
Koehler, A.M., Johnson, K. Clinical experience with the 160 MeV proton beam and some implications for designers 9—54693
Koehler, J. *see* Luedeke, K.M. 9—100692
Koehler, P.F.M. *see* Jonckheere, A. 9—63527
Koehler, R.C., Bishop, B. Expiratory duration and abdominal muscle responses to elastic and resistive loading 9—100653
Koehler, W.C., Hendricks, R.W. The United States national small-angle neutron scattering facility 9—75670
Koehler, W.C., Moon, R.M., Holtzberg, F. Magnetic ordering phenomena in TmS 9—78318
Koehler, W.C. *see* Moon, R.M. 9—73686, 9—78307
Koelle, D.E. SPAS power module: a European low-cost solution for Spacelab power augmentation 9—96882
Koelling, D.D. *see* Liu, K.L. 9—56497
Koelling, J.J. *see* Byers, C.C. 9—63742
Koelsch, F. *see* Duchemin, J.P. 9—100054
Koelsov, G.M. *see* Surkov, Yu.A. 9—62767
Koeman, B., Janeschitz-Kriegl, H. Analysis of slightly elliptically polarised light 9—63293
Koenczoel, L. *see* Doll, W. 9—83298
Koenderink, J.J., van Doorn, A.J. The internal representation of solid shape with respect to vision 9—74671
Koenderink, J.J., van Doorn, A.J. The structure of two-dimensional scalar fields with applications to vision 9—100594
Koenderink, J.J. *see* Zuidema, P. 9—53118
Koene, B.K.S. *see* Anderson, A.N. 9—71834
Koene, B.K.S. *see* Greeniaus, L.G. 9—75961
Koeneman, J.B., Burstein, A.H. The bonded elastomeric finger prosthesis 9—92429
Koenhen, D.M. *see* Roesink, H.D.W. 9—89047
Koenig, E.W. The TIROS-N High Resolution Infrared Radiation Sounder 9—58227
Koenig, J.L., Kormos, D. Quantitative infrared spectroscopic measurements of mixtures without external calibration 9—96377
Koenig, J.L. *see* Antoon, M.K. 9—96378
Koenig, J.L. *see* Jasse, B. 9—59612, 9—73920
Koenigsberger, G. *see* Firmani, C. 9—53830
Koennecke, R. *see* Terlecki, G. 9—97730
Koepke, K. *see* Brindza, P. 9—68085
Koepke, K. *see* Kuchnir, M. 9—76200
Koersner, I. *see* Glantz, L. 9—76008
Koerts, L.A.C. *see* Hermans, W.C. 9—67720
Koestel, A., Gilbert, J.S., Gido, R.G. Film entrainment determination for containment subcompartment flows 9—49657
Koestel, A. *see* Gido, R.G. 9—89422
Koester, D., Weidemann, V., Schulz, H. Atmospheric parameters and mass distribution of DA white dwarfs 9—88655
Koester, L., Knopf, K., Waschkowski, W. Thermal neutron scattering parameters for light nuclei (A=12 to 27) 9—93628
Koester, L. *see* Ericson, T. 9—58961
Koetzle, T.F. *see* Kvick, A. 9—86777
Koetzle, T.F. *see* Takusagawa, F. 9—55728
Koewing, J.W. *see* Crosbie, A.L. 9—90118
Kofanov, V.I. Deposition of particles on channel walls 9—77228
Koffend, J.B., Bacis, R., Field, R.W. The electronic transition moment of the BO_u^+-$X^1\Sigma_g^+$ system if I_2 through gain measurements of an I_2 optically pumped laser 9—54917
Koffend, J.B., Bacis, R., Field, R.W. Continuous wave optically pumped iodine laser—spectroscopy and long range analysis of the $X^1\Sigma_g^+$ ground state of I_2 9—94006
Koffyberg, F.P., Dwight, K., Wold, A. Interband transitions of semiconducting oxides determined from photoelectrolysis spectra 9—65378
Kofler, R.R. *see* Shupe, M.A. 9—63485
Kofman, A.G., Burshtein, A.I. Saturation kinetics of an inhomogeneously broadened spectrum 9—86222
Kofman, A.G. *see* Burshtein, A.I. 9—87820
Kofranek, V. *see* Svoboda, V. 9—79611

Koga, H., Uchiyama, Y., Aki, T. Reaction between solid iron and liquid zinc 9—77845

Koga, J. *see* Yamaguchi, K. 9—88506

Koga, K., Kohda, M., Miike, H., Ebina, Y., Chichibu, S. The response of mechanoreceptor units in isolated crayfish antenna to sine-wave stimulation and its probability model 9—57640

Koga, K. *see* Kohsaka, M. 9—88166

Koga, O. *see* Ueno, N. 9—98249

Koga, R., Albats, P., Frye, G.M., Jr., Schindler, S.M., Denehy, B.V., Hopper, V.D., Mace, O.B. EOSCOR: A light weight, microprocessor controlled solar neutron detector 9—101063

Koga, T. Causal nature of the motion of wavelets 9—67176

Koga, T., Aida, T. Method of measurement for the glossiness of spherical specimens 9—54175

Koga, T., Nakatsuji, H., Yonezawa, T. Generalized Berlin diagram for polyatomic molecules 9—98001

Kogaev, V.P. *see* Konovalov, L.V. 9—91798

Kogan, A.B., Burikov, A.A., Stavitskii, S.M. Investigation of certain properties of the two-frequency oscillatory process in the thalamocortical unspecific system 9—53076

Kogan, A.L. *see* Gurevich, G.L. 9—51622

Kogan, A.V., Chernin, S.M. Estimate of the allowable residual aberration values in precision pyrometric systems 9—71456

Kogan, E. *see* Brandelik, R. 9—63491, 9—93441

Kogan, E. *see* Eisenberg, Y. 9—54367

Kogan, E.Ya., Martysh, E.V. Aspects of recombination in a nonequilibrium plasma 9—50847

Kogan, E.Ya., Martysh, E.V. Electron-ion recombination in a plasma involving collective interactions 9—55451

Kogan, I.S., Terent'eV, V.F. Fractography of static and fatigue fracture in molybdenum and its alloys 9—87729

Kogan, I.S. *see* Ivanova, V.S. 9—91795

Kogan, J. *see* Kuroiwa, J. 9—88513

Kogan, L.A., Noskova, Z.I., Palovskikh, L.K., Blednaya, I.V. Long-term reproducibility monitoring for chromatographic methods 9—70409

Kogan, L.I. *see* Alekseev, L.A. 9—70061

Kogan, M.N., Kucherov, A.N. On self-focusing of a Gaussian beam in a supersonic gas flow 9—76768

Kogan, M.N., Kucherov, A.N., Mikhailov, V.V., Fonarev, A.S. Planar gas flows with weak energy supply 9—90273

Kogan, M.N., Makashev, N.K. Construction of gasdynamic equations for multiatomic gases with an arbitrary ratio between the rates of elastic and inelastic processes 9—81993

Kogan, M.N. *see* Galkin, V.S. 9—77052

Kogan, Sh.M., Lifshits, T.M. Certain problems of photoelectric spectroscopy 9—82623

Kogan, Sh.M., Polupanov, A.F. Oscillator strengths of dipole optical transitions in group III acceptor impurities in germanium 9—56823

Kogan, Sh.M., Tager, A.A. Photoconductivity due to optical transitions between excited states of impurity centers 9—73545

Kogan, Sh.M. *see* Berman, L.V. 9—82632

Kogan, Sh.M. *see* Dmitriev, S.G. 9—95468

Kogan, S.Ya., Polikarpov, A.M. Dynamic parameters of a seismic source 9—84141

Kogan, V.G. On the distribution of transport currents in the mixed phase of an ideal material 9—61008

Kogan, V.I. *see* Kadomtsev, B.B. 9—49090

Kogan, V.S. *see* Belyak, L.F. 9—57154

Kogan, V.Ya. Fluctuation spectrum of an ultrasonic field scattered by inhomogeneities of the ocean medium 9—88367

Kogan, Ya.D. *see* Lakhtin, Yu.M. 9—52456, 9—52556, 9—100294

Kogan, Yu.I. *see* Tkachenko, V.F. 9—100084

Kogan-Laskina, E.I. *see* Basilova, R.N. 9—88522

Kogan-Laskina, Ye.I. *see* Basilova, R.N. 9—53621

Kogel, B. *see* Kneis, W. 9—54709

Koglin, E., Schenk, H.J., Schwochau, K. Vibrational and low temperature optical spectra of the uranyl tricarbonato complex $[UO_2(CO_3)_3]^{4-}$ 9—73939

Kogoma, M. *see* Oka, T. 9—68305

Kogure, S., Onoda, N., Takagi, S.F. Olfactory responses of the lateral hypothalamic neurons to stomach distension in unanesthetized rabbits 9—92243

Kogut, J. *see* Fischler, W. 9—49468

Kogut, J. *see* Jones, D.R.T. 9—63426

Kogut, J.B., Pearson, R.B., Shigemitsu, J. Quantum-chromodynamic β function at intermediate and strong coupling 9—89108

Kogut, J.B. *see* Carroll, A. 9—71628

Kogut, J.B. *see* Hamer, C.J. 9—71378

Kogut, P.M., Straley, J.P. Distribution-induced non-universality of the percolation conductivity exponents 9—82570

Koh, H., Numano, F., Maezawa, H., Inoue, A. A radioimmunoassay for thromboxane B_2 with thromboxane B_2-^{125}I-tyramide 9—88222

Koh, I.G. *see* Kim, J.K. 9—49473

Koh Youn Kyu *see* Youn Kyu Koh

Kohara, S., Muto, N., Imanishi, Y. TiC coating on carbon fiber and the comparability of TiC coated carbon fiber with aluminum 9—78898

Kohaupt, R.D. *see* Bothe, W. 9—68000

Kohayakawa, T. CO pollution and its control in Japan 9—52994

Kohda, M., Saito, S. Mechanical recognition of spoken words 9—50535

Kohda, M. *see* Koga, K. 9—57640

Kohen, C. *see* Kohen, E. 9—53073

Kohen, E., Kohen, C., Hirschberg, J.G., Wouters, A.W., Bartick, P. Multichannel analysis of intracellular control and intercellular transfer of molecules 9—53073

Kohigashi, T. *see* Terauchi, H. 9—77515

Kohkame, H., Asano, H., Suzuki, K. Studies on rubber-toughened plastics. I. Effects of heating and shearing hysteresis on the flow properties of ABS- and AAS-resin 9—94685

Kohl, D.A. *see* Arvedson, M.M. 9—76513

Kohl, J.E., Semack, M.G., White, D. Nuclear spin relaxation of hydrogen in a solid argon matrix 9—51875

Kohl, J.E. *see* Abram, I.I. 9—86852

Kohl, J.L. *see* Cann, M.W.P. 9—62575

Kohl, P.A., Bard, A.J. Semiconductor electrodes. XVI. The characterization and photoelectrochemical behavior of n- and p-GaAs electrodes in acetonitrile solutions 9—70341

Kohl, P.A., Bard, A.J. Semiconductor electrodes. XVII. Electrochemical behavior of n- and p-type InP electrodes in acetonitrile solutions 9—99616

Kohl, P.A., Bard, A.J. Semiconductor electrodes. XVIII. Liquid junction photovoltaic cells based on n-GaAs electrodes and acetonitrile solutions 9—99617

Kohlbeck, F., Scheidegger, A.E., Sturgul, J.R. Geomechanical model of an Alpine valley 9—96754

Kohlbeck, R. On the measurement of residual thiosulfate in photographic paper prints 9—74472

Kohler, B.E. *see* Anderson, R.J.M. 9—99900

Kohler, D. *see* Pronko, J.G. 9—93880

Kohler, D.A., Telepchak, M.J. Preparative liquid chromatography by automatic repetitive injection 9—79338

Kohler, E. *see* Schneider, J. 9—61189

Kohler, E.J. Highlights of Peach Bottom Unit No.1 HTGR performance 9—67906

Kohler, H., Roos, M. Quantitative determination of the valley splitting in n-type inverted silicon (100) MOSFET surfaces 9—51678

Kohler, H., Roos, M. The influence of the valley splitting and lineshape in the density of states on the quantum oscillations on n-type (100) inverted silicon MOSFET surfaces 9—56318

Kohler, H. *see* Roos, M. 9—99628

Kohler, H.-J. *see* Lischka, H. 9—59357

Kohler, H.S., Flocard, H. Semi-infinite nuclear slab dynamics of TDHF 9—75888

Kohler, H.W. Progress in Venus research. New results from Pioneer-Venus and Venera 11 and 12 9—80260

Kohler, H.W. Voyager-I photographs of Jupiter and its inner moons 9—96959

Kohler, L. *see* Brandau, E. 9—49808

Kohler, M. *see* Kempken, M. 9—97799

Kohler, P., Amthauer, G. The ligand-field spectrum of Fe^{3+} in garnets 9—78701

Kohler, P., Pebler, J., Schmidt, K. Investigation of the magnetic susceptibility from study of the bonding behaviour of iron in $V_{1-x}Fe_xO_{2-x}F_x$ 9—78305

Kohler, R. *see* Kies, J. 9—51098

Kohler, W.E. The rapid reaction of two chemical species in the presence of weak random advection and molecular diffusion 9—66261

Kohlhoff, G. *see* Virnich, K.H. 9—91683

Kohli, K.S., Chopra, K.N., Hradaynath, R. Quantitative evaluation of surface shape of medium size optical paraboloidal reflectors 9—72654

Kohli, K.S., Chopra, K.N., Hradaynath, R. An optical valve for flat-plate solar energy collectors 9—81506

Kohli, K.S., Chopra, K.N., Hradaynath, R. An efficient optical window for flat-plate solar energy collectors 9—83628

Kohlmaier, G.H., Sire, E.O., Kratz, G., Fischbach, U. Stability analysis of kinetic models of the global C-cycle: exchange of carbon between land biota and atmosphere under the influence of man 9—53414

Kohlmeier, J. *see* Bross, A. 9—89517

Kohlstedt, D.L. *see* Lerner, I. 9—79016

Kohma, H. Measurements of equilibrium charge distribution on aerosols in bipolar ionic atmosphere 9—70830

Kohmoto, O., Ohya, K., Yamaguchi, N., Fujishima, H., Ojima, T. Magnetic properties of zero magnetostrictive amorphous Fe-Co-Si-B alloys 9—99743

Kohn, D. *see* Gropsian, Z. 9—81693

Kohn, K. Ferromagnetic ferroelectrics 9—65804

Kohn, K.W. *see* Gantt, R. 9—96615

Kohn, S., Brown, J.A., Heffner, R.H., Huang, C.Y., Kitchens, T.A., Jr., Leon, M., Olsen, C.E., Schillaci, M.E. μ^+ depolarization in AlGd alloys 9—56695

Kohn, S., Wang, R.H., Smith, J.L., Huang, C.Y. Magnetic ordering of $Gd_xEr_{1-x}Rh_4B_4$ near the superconducting region 9—73696

Kohn, S.E. *see* Yamazaki, T. 9—56707

Kohn, V.G. On the theory of the Bragg reflection in the case of multiple X-ray diffraction 9—94842

Kohn, W., Rice, J.R. Scattering of long-wavelength elastic waves from localized defects in solids 9—87794

Kohn, W., Yaniv, A. Locality principle in wave mechanics 9—88834

Kohn, W. *see* Chakravarty, S. 9—97299

Kohno, A. *see* Imachi, K. 9—84018

Kohno, H., Yamamoto, S., Suzuki, T. A new scanning method for head CT 9—66542

Kohno, I. *see* Ikegami, K. 9—85842

Kohno, I. *see* Kamitsubo, H. 9—54662

Kohno, I. *see* Wada, T. 9—54614

Kohno, K., Nohda, S., Inaba, Y. Some properties of the concretes containing glass fiber and steel fiber 9—87706

Kohno, M., Ando, K. Isoscalar giant resonances and Landau parameters with density-dependent effective interactions 9—71827

Kohno, T., Wada, M. Unusual arrival times of scatter free particles in solar proton event of May 7, 1978 9—75066

Kohno, T. *see* Nagai, T. 9—75056

Kohno, T. *see* Yajima, N. 9—80227

Kohonen, T., Nemeth, G., Bry, K.-J., Jalanko, M., Riittinen, H. Spectral classification of phonemes by learning subspaces 9—59888

Kohout, J. *see* Malina, V. 9—82698

Kohoutek, L. *see* Kleine, T. 9—80314

Kohpaat, R.D. Single beam instabilities in PETRA 9—72092

Kohra, K. *see* Ito, M. 9—51921

Kohra, K. *see* Wada, K. 9—99222

Kohra, K. *see* Yoshimura, J. 9—52099

Kohriki, T. *see* Ishihara, N. 9—85860

Kohsaka, M., Sasaki, M., Koga, K., Ikawa, K. Newly-designed X-ray diagnostic table 'MAG-NASCOPE' for macroradiography 9—88166

Kohsaka, M., Sasaki, M., Ozawa, Y., Nakanishi, T., Matsushita, Y., Arikura, H., Shibata, K., Kambe, K. Capacitor discharge system mobile X-ray apparatus MC125L-30 9—88165

Kohsmann, J.J. *see* McGinnis, L.D. 9—57906

Kohso, Y. *see* Shimoda, A. 9—79270

Kohyama, S. *see* Shibata, T. 9—91163

Koide, M., Michel, R., Goldberg, E.D., Herron, M.M., Langway, C.C., Jr. Depositional history of artificial radionuclides in the Ross Ice Shelf, Antarctica 9—88027

Koide, Y. On the 20+15 dimensional nonleptonic weak interactions 9—71746

Koide, Y. *see* Katuya, M. 9—71747

Koikawa, T. *see* Kawai, E. 9—49546

Koike, F., Matsuzawa, M., Hara, S., Itikawa, Y., Nakamura, H., Sato, H., Shimamura, I. Scaling for two-electron excitation in symmetric ion-atom collisions: two-electron systems and two-hole systems 9—81265

Koike, K. *see* Aoki, M. 9—49500

Koike, K. *see* Sasaki, T. 9—83586

Koike, S., Hirabayashi, M., Hasegawa, M., Suzuki, T. Positron annihilation study on the Fermi surface of Cd-Mg alloys 9—56113

Koike, Y. Three-body model of the deuteron breakup reaction by an α-particle 9—75954

Koike, Y. *see* Tanuma, S. 9—65367

Koiller, B., Brandi, H.S. A self-consistent model for the electronic structure of the U-center in alkali halides 9—65406

Koiller, B. *see* Brandi, H.S. 9—54973

Koishi, Y., Gillies, D.C. Lattice parameters of talc as measured by a back-reflection pseudo-Kossel technique 9—82124

Koiter, W.T., Clement, P. On the so-called comparison theorem in the linear theory of elasticity 9—75347

Koiv, M., Loide, R.-K. First order power-associative deformations of Pauli algebra 9—75400

Koiv, M. *see* Ainsaar, A. 9—49038

Koivo, H.N. Robust decentralized control of water quality in a river system 9—57522

Koiwa, M. *see* Fujino, Y. 9—60416

Koiwa, M. *see* Yamaguchi, S. 9—65131

Koizumi, H., Hadeishi, T., McLaughlin, R.D. A new technique for the determination of isotopic species using Zeeman scanning of an atomic line 9—49983

Koizumi, H., Hadeishi, T., McLaughlin, R.D. Detection of small molecules by magnetically tuned frequency-modulated atomic line sources 9—59508

Koizumi, H., Kawada, Y., Murasaki, H., Itoh, T., Matsui, K. Solar heating performance of the Toshiba Solar House No.1 9—57458

Koizumi, H. *see* Miyazawa, S. 9—91597

Koizumi, M. *see* Noda, Y. 9—78590

Koizumi, M. *see* Shimada, M. 9—60498, 9—87596

Koizumi, M. *see* Tachibana, T. 9—79074

Koizumi, M. *see* Taguchi, H. 9—95587

Koizumi, T., Okazaki, M., Shibuya, T. Thermal fatigue crack propagation in cast steel 9—83305

Koizumi, T. *see* Hara, T. 9—72806, 9—72807

Koizumi, Y., Ueda, T., Tanaka, H. Post dryout heat transfer to R-113 upward flow in a vertical tube 9—59973
Kojima, D.Y., Isihara, A. Density dependence of the magnetic susceptibilities of metals 9—95571
Kojima, D.Y. *see* Isihara, A. 9—60743
Kojima, H. *see* Chainer, T. 9—51359
Kojima, H. *see* Kobayashi, N. 9—89756, 9—89758
Kojima, H. *see* Morii, Y. 9—60598
Kojima, H. *see* Shimada, Y. 9—78446
Kojima, K. Boundary diffraction of light 9—59632
Kojima, K., Ohbayashi, K., Hihara, T., Kunii, S., Komatsubara, T., Kasuya, T. Raman scattering in CeB_6 9—82972
Kojima, K. *see* Sakamoto, Y. 9—82778
Kojima, K. *see* Sato, C. 9—92293
Kojima, M., Watanabe, T., Ishida, Y., Maruyama, K., Kakinuma, T. A full-automatic system for the observations of interplanetary scintillation 9—101064
Kojima, N. A method to measure the dimensionless slippage coefficient of the flow over wall 9—94582
Kojima, S. Relativistic two-particle system and spin-mass relations of meson 9—67505
Kojima, S. Meson mass spectra based on a bilocal model 9—67521
Kojima, S., Desper, C.R., Porter, R.S. Influence of extrusion ratio on the thermal properties and morphology of ultradrawn high-density polyethylene 9—61617
Kojima, S., Nakamura, T., Asaumi, K., Takashige, M., Minomura, S. Raman scattering studies on phase transition in barium sodium niobate at high pressure 9—55884
Kojima, S., Porter, R.S. Influence of extrusion ratio on the tensile properties of ultradrawn polyethylene 9—61618
Kojima, S. *see* Nakamura, T. 9—51039, 9—95774
Kojima, S. *see* Sakamoto, Y. 9—82778
Kojima, T., Nishida, I., Sakata, T. Crystal growth of $Mn_{15}Si_{26}$ 9—100043
Kojima, T., Yanagiuchi, Y. Scattering of an offset two-dimensional Gaussian beam wave by a cylinder 9—50207
Kojima, T., Yanagiuchi, Y., Umezawa, M. Scattering of higher order Hermite-Gaussian beam waves by a cylinder 9—55056
Kojima, T. *see* Inamura, T. 9—67770
Kojima, Y. *see* Alcaraz, F.C. 9—60681
Kojima, Y. *see* Inoue, A. 9—100197
Kojima, Y. *see* Sharma, C.S. 9—91806
Kok, C.J., Turner, R., Chalmers, A.N. Spectroradiometry of daylight at sea level in the southern hemisphere: Durban 9—100955
Kok, G.L. *see* Kelly, T.J. 9—79422
Kok Wai Chang, Woolley, R.G. One-electron states in polynuclear transition metal carbonyls 9—95358
Kokeny, G. *see* Kovacs, A.B. 9—62310
Kokhan, E.K. The precision of spectrum registration with the double-pass spectrophotometer with digital registration 9—96917
Kokhan, E.K. *see* Krat, V.A. 9—92743
Kokhanchik, L.S. *see* Kopetskii, Ch.V. 9—100159
Kokin, V.V. *see* Vasyuta, B.M. 9—75624
Kokipii, J.R. *see* Consolmagno, G.J. 9—58282
Kokko, A.P. *see* Pryanichnikova, T.V. 9—83251
Kokko, J., Paalanen, M.A., Schoepe, W., Takano, Y. Mobility of positive ions in normal and superfluid ^3He 9—55995
Kokleev, V.I. *see* Usovich, Yu.A. 9—52527
Kokodii, N.G. Transverse ponderomotive effect in a rotating absorbing cylinder 9—64171
Kokodii, N.G. Ponderomotive forces of electromagnetic radiation in a sphere 9—76556
Kokorin, A.I. *see* Kabanov, N.M. 9—55018
Kokorin, V.V., Osipenko, I.A. Ferromagnetic ordering in systems of magnetic moments of superparamagnetic particles 9—78444
Kokorin, V.V. *see* Ganzhula, N.N. 9—61587
Kokorin, V.V. *see* Gun'ko, L.P. 9—57008
Kokorina, V.F. *see* Kislitskaya, E.A. 9—65883
Kokorowski, S.A. Analysis of adaptive optical elements made from piezoelectric bimorphs 9—50389
Kokoulin, R.P., Petrukhin, A.A. The cascade showers generated by muons in an ionization calorimeter 9—84618
Kokourov, V.D. *see* Kazimirovskiy, E.S. 9—53587
Kokovin, N.S. *see* Vyazankin, S.A. 9—58057
Koksharov, V.D., Saipeev, G.A., Vyaznikova, T.A., Malyutin, A.A. Unit for investigating the elastic properties of refractories in heating to 1500°C 9—57167
Kokshenev, V.B. On the ferrorotational transition in solid hydrogen at very low ortho-fractions 9—60597
Kokshenev, V.B. *see* Burakhovich, I.A. 9—82353
Kokshenev, V.B. *see* Manzhelii, V.G. 9—65228
Kokubo, H. *see* Hoshizaki, N. 9—93415
Kokubo, T. *see* Arioka, M. 9—70057
Kokubo, T. *see* Ito, S. 9—91635
Kokubu, N., Takeuti, S. Fluorine content of hot springs in Kohu City and the adjacent area 9—70821
Kokubun, Y., Hatano, H., Wada, M. Photoconductive properties of Se-annealed and Cu-diffused CdSe single crystals 9—99580
Kokubun, Y. *see* Hatano, H. 9—52003
Kolacinski, Z. An electro-optical spectral device for the arc-plasma temperature measurements 9—82121
Kolacinski, Z. *see* Bartosik, M. 9—82120
Kolaczek, B. Application of lunar laser ranging and laser observations of artificial satellites to determination of the polar motion and the Universal Time 9—57844
Kolaczkiewicz, J. Investigation of the temperature dependent changes of work function induced by adsorption of Ag on W(011) 9—86990
Kolanoski, H. *see* Chestnut, R. 9—89531
Kolar, D. *see* Pejovnik, S. 9—95959
Kolar, D. *see* Trontelj, M. 9—74377
Kolar, H. *see* Spence, J.C.H. 9—60375
Kolar, R.J. *see* Andrews, R.A. 9—67990
Kolarik, J., Kopecek, J., Vacik, J., Janacek, J. Relaxation behaviour of poly(N-monosubstituted methacrylamides) 9—57033
Kolarik, J. *see* Janacek, J. 9—57031, 9—57032
Kolasinska, G., Oracz, P. Generalization of error analysis and problem of vapour non-ideality in Barker's method of vapour pressure isotherm data processing 9—77764
Kolata, J.J., Freeman, R.M., Haas, F., Heusch, B., Gallmann, A. Gross and intermediate-width structure in the interaction of ^{16}O and ^{16}O 9—67808
Kolb, B. *see* Jaeschke, E. 9—72002
Kolb, B. *see* Natowitz, J.B. 9—93647
Kolb, D.M., Kotz, R., Yamamoto, K. Copper monolayer formation on platinum single crystal surfaces: optical and electrochemical studies 9—99419
Kolb, E.W. *see* Dicus, D.A. 9—49501
Kolb, H. *see* Normann, R.A. 9—74653
Kolbas, R.M. *see* Chin, R. 9—91483
Kolbas, R.M. *see* Dupuis, R.D. 9—98390
Kolbas, R.M. *see* Holonyak, N., Jr. 9—64244, 9—74275
Kolbas, R.M. *see* Rezek, E.A. 9—89906
Kolbasov, B.N. *see* Golovin, I.N. 9—76123
Kolbasov, B.N. *see* Gornostaev, B.D. 9—76130
Kolbasov, B.N. *see* Velikhov, E.P. 9—71954, 9—71955, 9—76122
Kolbe, P. *see* Pelzl, G. 9—94884
Kolbesen, B.O. *see* Strunk, H. 9—65541, 9—82222
Kolbig, K.S., Schwarz, F. A program for solving systems of homogeneous linear inequalities 9—85013
Kolbina, G.F. *see* Tsvetkov, V.N. 9—55643
Kolchin, O.P., Sumarokova, N.V. Oxygen solubility in niobium 9—99326
Kolchin, Yu.A., Kolovskii, V.B., Pshezhetskii, S.Ya., Chebotarev, N.F. Investigation of a pulsed chemical H_2-F_2 laser at higher pressures of the working mixture 9—89900
Kol'chugin, B.A. *see* Labuntsov, D.A. 9—90310
Kolebanov, A.K., Mochalov, A.I., Chistyakov, Yu.D. Application of palladium for reducing the recovery time of the reverse current in pulse diodes 9—99226
Koledin, D. *see* Grujic, P.V. 9—76515
Kolendowicz, J.Z. *see* Tahmasbi, A.R. 9—56226
Kolendritskii, D.D. *see* Vorob'ev, V.P. 9—87478
Kolenkiewicz, R. *see* Smith, D.E. 9—79786
Kolennikov, P.I. *see* Guk, A.V. 9—94182
Kolerov, A.N., Mamaikin, V.S., Petrov, G.D. Determination of the electron density of high-temperature gas flows 9—86609
Kolesnichenko, L.F. *see* Frantsevich, I.N. 9—70019
Kolesnichenko, Yu.A., Peschanskii, V.G. Conduction electron focusing by a nonuniform magnetic field 9—99533
Kolesnick, I.G. *see* Arshutkin, L.N. 9—88713
Kolesnik, A.G., Chernyshev, V.I. Rate of heating of the ionospheric plasma by solar radiation. I. Heating by photoelectrons 9—53622
Kolesnik, A.G. *see* Chernyshev, V.I. 9—62653
Kolesnik, I.G. Dust condensation in dense interstellar clouds, and some related topics 9—62897
Kolesnik, L.I. *see* Bol'sheva, Yu.N. 9—52017
Kolesnik, L.I. *see* Tkachenko, V.G. 9—96140
Kolesnik, L.N., Vedenicheva, I.P. The displacement of spiral arms of the Galaxy from the galactic plane 9—75275
Kolesnik, L.V. *see* Seleznev, V.A. 9—52516
Kolesnik, S.Ya. *see* Grigorevskii, V.M. 9—68363
Kolesnikov, B.N. *see* Gratsianov, K.V. 9—72609
Kolesnikov, D.P. *see* Kandyba, P.E. 9—56400
Kolesnikov, L.V. *see* Zakharov, Yu.A. 9—100015
Kolesnikov, L.Ya. *see* Bratashevskii, A.S. 9—85305
Kolesnikov, L.Ya. *see* Get'man, V.A. 9—89170
Kolesnikov, L.Ya. *see* Gorbenko, V.G. 9—80830, 9—89171, 9—89294
Kolesnikov, N.P., Berkovich, I.I., Nikolaeva, A.M., Nikishin, V.E. Mathematical models of the most-widespread types of deformation of polyurethane subject to pressworking 9—61673
Kolesnikov, N.V., Mal'khanov, S.E., Pogarskii, M.A. Photocapacitance determination of the energy levels in p-type silicon irradiated with fast electrons 9—51531
Kolesnikov, N.V. *see* Karpov, V.G. 9—51526, 9—60847
Kolesnikov, P.M., Grishanova, L.V., Abrashin, V.N., Degtereva, L.N., Kolesnikova, N.S., Tsurko, V.A. Analysis of certain problems of heat and mass transfer with phase transition in moving-boundary domains 9—81695
Kolesnikov, S.V., Chukhlovin, B.A. Interaction of a power-line electric field with human and animal organisms 9—66483
Kolesnikov, V.K., Petrov, V.G., Khait, V.D. Energy balance in a Tokamak reactor with turbulent transport coefficients 9—71953
Kolesnikov, V.N. *see* Gippius, E.F. 9—64942
Kolesnikova, E.N. *see* Belyaevskii, A.I. 9—84597
Kolesnikova, N.S. *see* Kolesnikov, P.M. 9—81695
Kolesov, A.G. *see* Anufriev, V.A. 9—97709
Kolesov, G.Ya., Kuzhevskii, B.M., Sharvina, K.N. Acceleration of α particles near the Earth's magnetosphere 9—62675
Kolesov, G.Ya. *see* Volodichev, N.N. 9—62694
Kolesova, V.A., Lazarev, A.N., Ryzhikov, V.A. Vibrational spectra of the silicate ion in vitreous and crystalline $2PbO.SiO_2$ 9—66088
Kolevatova, V.S. *see* Khaldeev, G.V. 9—56939
Kolff, W.J. *see* Sandquist, G.M. 9—53285
Kolga, V.V. *see* Vasilyev, A.A. 9—54655
Kolgadin, V.A. Some laws governing the failure of structural elements made of reinforced plastics 9—96142
Kolganov, V. *see* Ammosov, V. 9—71737
Kolganov, V.Z. *see* Berge, J.P. 9—71741
Kolganov, V.Z. *see* Efremenko, V.I. 9—75763
Kolin, A. *see* Ellerbroek, B. 9—98727
Kolinski, A. *see* Orszagh, A. 9—66294
Kolk, G.J.van der *see* van der Kolk, G.J.
Kollali, S. *see* Madhusudan, W.H. 9—56885
Kollarits, F.J. *see* Opdycke, J.P. 9—79647
Kollarits, R.V. *see* Middleton, R. 9—81290
Kollath, K.J. *see* Kaminski, H. 9—72286
Koller, A. Fireproof ceramic materials used for direct energy conversion 9—70455
Koller, E.L. *see* Brick, D. 9—58980
Koller, J. *see* Kertesz, M. 9—49963, 9—56483, 9—60671, 9—69392
Koller, K., Walsh, T.F., Zerwas, P.M. The three-gluon vertex of QCD 9—49454
Kolley, E., Kolley, W. Renormalization of the spin wave stiffness in Ni-based alloys 9—51764
Kolley, E., Kolley, W. Spin wave stiffness constant of narrow-band ferromagnetic alloys with random hopping 9—56524
Kolley, W. *see* Kolley, E. 9—51764, 9—56524
Kollmann, K. *see* Glass-Maujean, M. 9—86018
Kollmar, H. Partitioning scheme for the ab initio SCF energy 9—93918
Kolln, W.S., Johnson, M., Peebles, D.E., Simons, J.W. Chemically activated methylcyclobutane from the 337.1 nm photolysis of ketene in the presence of cyclobutane. Dependence of S/D on extent of photolysis 9—87856
Kollukh, A.G. *see* Bolgov, S.S. 9—56864
Kolmogorov, V.L. *see* Bogatov, A.A. 9—61651
Kolmogorov, V.N. *see* Budenkov, B.A. 9—52582
Kolnik, S. *see* Hegedus, P. 9—73256, 9—95087
Kolninov, O.V. *see* Bulgarovskaya, I.V. 9—94991
Kolobkov, V.P. *see* Khalilev, V.D. 9—94913
Kolobow, T. *see* Vurek, G.G. 9—100756
Kolobyanin, Yu.V. *see* Vyskubenko, B.A. 9—64250
Kolodin, M.I. *see* Blokhin, A.V. 9—71232
Kolodner, P. *see* Black, J.G. 9—61884
Kolodziejczak, J. Optical nonlinearities due to mobile carriers 9—81491
Kolodziejski, W., Kecki, Z. ESR and PMR studies of alcohols hydrogen bonded with nitroxide radical 9—65736
Kolokolov, A.A., Sukov, A.I. Reflection of a plane wave from a nonlinear absorbing medium 9—81478
Kolokolov, A.A., Sukov, A.I. Reflection of beams from a nonlinear medium 9—86206
Kolokolov, E.I. *see* Kobzev, V.A. 9—52369
Kolokolov, N.B. *see* Demidov, V.I. 9—64826
Kolokol'tsev, V.N. Determination of the parameters of intrinsic acceptors in undoped GaSb 9—51515
Kolokol'tsev, V.N. Impurity band in undoped GaSb 9—51516
Kolomeets, E.V. *see* Baisakalova, A.B. 9—80127
Kolomeets, E.V. *see* Bychkovskaya, A.Kh. 9—80137
Kolomenkov, V.Yu. *see* Golikov, Yu.K. 9—94140
Kolomenskii, Al.A. *see* Bozhkov, A.I. 9—90108, 9—90731
Kolomenskii, A.V., Sakovich, V.A., Mitrikas, V.G., Sakharov, V.M. Effective coefficient of radiation attenuation in an inhomogeneous medium 9—64181
Kolomenskii, A.V. *see* Kovalev, E.E. 9—80130
Kolomenskii, G.A. *see* Volkov, Yu.M. 9—85434
Kolomiets, A.A. *see* Batalin, V.A. 9—68109
Kolomiets, B.T., Lebedev, E.A., Kazakova, L.P. Characteristic features of carrier transport in glassy As_2Se_3 9—51583
Kolomiets, B.T., Mazets, T.F., Pavlov, S.K. Changes in the optical properties of amorphous $(As_2Se_3)_{1-x}$ $(As_2Te_3)_x$ films under the action of electric fields and optical excitation 9—61455
Kolomiets, B.T. *see* Zhdanov, V.G. 9—65948

Kolomiets, V.M. Dissipation effects in the presence of collective motion of nuclei 9—75810

Kolomiets, V.M., Magner, A.G., Strutinskii, V.M. Shell effects in nuclei at high angular momenta 9—67635

Kolomiitsev, L.M. *see* Belyaev, G.V. 9—78243

Kolomiitsova, T.D., Shchepkin, D.N. Electrooptical constants of carbon dioxide. Probabilities of the $00^03 \leftarrow 00^00$ and $20^11 \leftarrow 00^00$ transitions 9—98128

Kolomoets, G.G. *see* Bezruchko, V.P. 9—96137

Kolomytsev, V.I., Lobodyuk, V.A., Khandros, L.G. Influence of martensite fine structure on the shape memory effect in Fe-Ni alloys 9—52215

Kolonits, M. *see* Domenicano, A. 9—59573

Kolonits, V.P., Koltai, M., Marton, D. Cross-sectional composition investigations of sputtered tantalum nitride thin films by secondary ion mass spectrometry 9—77953

Kolontsova, E.V. *see* Ivanov, S.A. 9—61318

Koloshnikov, V.G. *see* Antonov, E.N. 9—89684

Koloshnikov, V.G. *see* Vedeneeva, G.V. 9—64252

Koloskov, B.V. *see* Alekhin, L.A. 9—97898

Koloskov, I.A. *see* Vakulovskii, S.M. 9—74560

Koloskova, E.K. *see* Nazarov, Yu.F. 9—87678

Kolosov, M.A., Yakovlev, O.I., Matyugov, S.S., Timofeeva, T.S., Chub, E.V., Yakovleva, G.D., Kalashnikov, I.E. The daytime atmosphere of Venus according to radio-probing results from Venera 9 and Venera 10 spacecraft 9—80253

Kolosov, M.A., Yakovlev, O.I., Rogal'skii, V.I., Efimov, A.I., Razmanov, V.M., Shtrykov, V.K. Study of radio-wave fluctuations and turbulence of the near-solar plasma in experiments with radio transmission in the Venus-10 apparatus 9—80295

Kolosov, M.A. *see* Azarkh, S.L. 9—62778

Kolosov, M.A. *see* Ivanov-Kholodny, G.S. 9—96939

Kolosov, V.A. *see* D'yakonov, M.N. 9—80151

Kolosov, V.V., Shifrin, E.G. Flow over a body with development of a steady separation zone as $Re \rightarrow \infty$ 9—81846

Kolosov, V.V. *see* Damburg, R.J. 9—89634

Kolot, Z.M. *see* Batygin, Yu.V. 9—63856

Kolotii, O.D. *see* Timan, B.L. 9—55688, 9—94937

Kolotilin, B.I. *see* Sheretov, E.P. 9—58842

Kolotilo, E.V. *see* Belai, G.E. 9—52814

Kolotun, V.F. *see* Domasevich, L.T. 9—51754

Kolotyrkin, V.I., Metlin, Yu.G., Tret'yakov, Yu.D. Determination of free energy of formation of oxide phases $Li_{0.5}M_{2.5}O_4$ (M is Fe, Al, or Ga) with the spinel structure 9—83493

Kolotyrkin, Ya.M. Development of the studies on the role of chemical stages in electrochemical corrosion 9—96335

Kolovskii, V.B. *see* Kolchin, Yu.A. 9—89900

Kolpakov, A.V., Ovchinnikova, E.N., Kuzmin, R.N. Reflections of a new type in the Mossbauer diffraction pattern 9—78594

Kolpakov, I.F. *see* Baldin, A.M. 9—72125

Kolpashchikov, V.L., Shnip, A.I. Linear defining equations in heat-conduction theory with finite thermal-perturbation velocity 9—90114

Kol's, O.R. *see* Maksimov, G.V. 9—57620

Kol's, O.R. *see* Revin, V.V. 9—70543

Koltai, M. *see* Kolonits, V.P. 9—77953

Koltick, D. *see* Finley, D.A. 9—49625, 9—49626

Koltochnik, S.H. *see* Varyukin, V.V. 9—80963

Koltok, Yu.V., Kuz'michev, V.M., Latynin, Yu.M., Manita, O.F. Pyromagnetic detector for laser radiation 9—93220

Kolton, G.A. *see* Bogatko, V.I. 9—86457

Kolts, H.E. *see* Velazco, J.E. 9—63953

Kolts, J.H., Velazco, J.E., Setser, D.W. Reactive quenching studies of $Xe(6s,^3P_2)$ metastable atoms by chlorine containing molecules 9—100344

Kolts, J.H. *see* Tamagake, K. 9—100345

Koltsov, V.V., Martinez, R. Study of the ionosphere by the method of backscatter sounding 9—100998

Koltun, D.S. An overview of absorption and production of mesons 9—85492

Koltun, D.S. *see* Agassi, D. 9—85552

Koltun, M.M., Karpenko, I.V., Matveev, V.P., Ksendzatskaya, Yu.N., Orshanskii, I.S., Kozyreva, T.A., Naumova, G.D. Study of photocell characteristics dependence on solar ray incidence angle and intensity 9—83593

Koltunov, M.A., Pleshkov, L.V., Kanovich, M.Z., Roginskii, S.L., Natrusov, V.I. High-strength glass-reinforced plastic shells with radial orientation of the reinforcement 9—95994

Koltunov, M.A. *see* Shebeko, S.M. 9—59941

Kolubayev, T. *see* Geacintov, N.E. 9—98137

Kolupayeva, T.L. *see* Bernshtein, M.L. 9—96020

Kolyane, Yu.M. *see* Uglov, A.A. 9—64485

Kolyasnikov, V.A. *see* Kandyba, P.E. 9—56400

Kolycheva, E.V. *see* Vasil'ev, B.V. 9—68351

Kolykhalov, P.I., Syunyaev, R.A. Formation of a disk in the case of stellar wind accretion 9—88648

Kolykhan, L.I. *see* Bondarev, N.K. 9—59158

Kolyshkin, A.A. *see* Antimirov, M.Ya. 9—77271

Kolyshkin, I.N., Ender, A.Ya., Ender, I.A. Calculation of Boltzmann equation collision integral and accurate solution of relaxation problem 9—64706

Kolyshkin, V.I. *see* Alferov, Zh.I. 9—64346, 9—89910

Kolyubakin, A.I., Shevchenko, S.A. Electrical conductivity of plastically deformed n-type Ge 9—99568

Kolyubin, A.A. *see* Bondarenko, V.G. 9—84676

Kolyuka, Yu.F. *see* Kislik, M.D. 9—88570

Koma, A. Low-energy electron energy loss spectroscopy 9—52057

Koma, A., Enari, K. Electron spectroscopy of 2H-MoS_2 and 2H-$MoSe_2$ 9—95885

Koma, U. *see* Yajima, N. 9—80227

Koma, Y. *see* Nishimura, J. 9—80218

Komai, K. *see* Endo, K. 9—74281

Komaki, Y. Growth of fine holes by the chemical etching of fission tracks in polyvinylidene fluoride 9—76297

Komano, Y., Takeda, T., Sekiya, T. Acceleration technique for iterative methods in diffusion equation 9—80971

Komano, Y. *see* Takeda, T. 9—63717

Komar, A. Canonical decomposition of the general relativistic initial value problem 9—71304

Komar, A. Constraints, Hermiticity, and correspondence 9—71344

Komar, P.D. *see* Reimers, C.E. 9—84705

Komar, V.G. Principle of the holographic cinematography 9—85192

Komar, V.I. *see* Oldyrev, P.P. 9—61724

Komarevskii, V.A. *see* Dolgopolov, Yu.V. 9—59769

Komaromi, M. *see* Prokhaska, Ya. 9—68542

Komarov, E.V. *see* Druzhinin, L.K. 9—76093

Komarov, F.F., Novikov, A.P. Inner-shell ionization by heavy charged particles in the binary-collision model. I. Effect of the electron momentum distribution on the energy dependence of the ionization cross section 9—54962

Komarov, F.F. *see* Belyi, I.M. 9—73225

Komarov, I.V., Ostrovsky, V.N. Production of excited hydrogen atoms by photodissociation of the H_2 molecule near threshold 9—86019

Komarov, N.S., Karamysh, V.F., Pozigun, V.A. Spectrophotometric standards: absolute energy distribution in the spectra of six stars 9—97040

Komarov, N.S., Korotkikh, T.N. Calibration of spectrophotometric standards against α Lyrae 9—62760

Komarov, V.A., Kononov, P.S. Direct and inverse electromagnetic-acoustic conversion in ferromagnetic rods 9—52569

Komarov, V.E., Borodina, N.P. Diffusion coefficients of trivalent uranium ions in molten binary CsCl-$BaCl_2$ salt mixtures 9—73330

Komarov, V.I., Myuller, G. On the mechanism of backward emission of fast protons in hadron-nuclear interactions at medium and high energies 9—63706

Komarov, V.N. Role of vibrational relaxation in the nonequilibrium flow of air in nozzles 9—68781

Komarov, V.N. *see* Denisov, G.G. 9—80421

Komarov, V.V. The methods of solving the few-body problem in quantum mechanics 9—85010

Komarov, V.V., Popova, A.M., Shablov, V.A. Two-body scattering in force field 9—85012

Komarov, V.V., Popova, A.M., Shablov, V.L. Concerning the problem of the uniqueness of the solutions of problems involving the scattering of several nonrelativistic pairwise-interacting particles ($N \geq 4$) 9—75379

Komarov, V.V., Popova, A.M., Shablov, V.L. Special solutions of the integral equations for the three-body problem with three-particle forces 9—75869

Komarova, A.I. *see* Al'perovich, L.I. 9—65818

Komarova, N.V. *see* Nemilov, S.V. 9—65235

Komarovskii, L.V. *see* Dubrovskaya, L.I. 9—77169

Komarovskii, V.A. *see* Blagoev, K.B. 9—76386, 9—98038

Komas, F.E. *see* Zhivopistsev, F.A. 9—69454

Komashchenko, V.N. *see* Budennaya, L.D. 9—95488

Komashnya, V.L., Shutilov, V.A. Nuclear acoustic resonance in doped NaCl crystals 9—69746

Komatsu, H. *see* Inoue, T. 9—51032

Komatsu, K., Matsushima, M. Some experiments on the vibration of hemispherical shells partially filled with a liquid 9—81792

Komatsu, K., Takada, Y. Behavior of Zircaloy fuel cladding during postulated loss-of-coolant accident in light water reactors 9—71889

Komatsu, S., Nakamura, S., Nakahashi, M. Mo_2C-V_4C_3 carbides precipitated in 1Cr-1Mo-1/4V steel 9—70070

Komatsu, W. *see* Moriyoshi, Y. 9—65097

Komatsu, Y. *see* Isozumi, S. 9—95946

Komatsubara, K.F. *see* Katayama, Y. 9—78179

Komatsubara, K.F. *see* Shimada, T. 9—99077

Komatsubara, K.F. *see* Suski, T. 9—65809

Komatsubara, T. *see* Kojima, K. 9—82972

Komel'kov, V.S., Yakushev, G.G., Polonskii, L.Ya. Production of intense microsecond pulses of low-energy electrons from dense plasmoids 9—90476

Komem, Y. *see* Cosandey, F. 9—90916

Komem, Y. *see* Dor-Ram, Y. 9—96041

Komen, R. *see* Boeschoten, F. 9—90493

Komeno, J., Kitahara, K., Ohkawa, S. Growth of high resistivity GaAs VPE layers for device applications by the $AsCl_3$-Ga-N_2 system 9—100056

Komeno, J. *see* Ozeki, M. 9—95360

Komenou, K., Zebrowski, J., Wilts, C.H. Ferromagnetic resonance study of the anisotropy field and nonmagnetic regions in implanted layers of bubble garnet films 9—99774

Kominz, M.A., Pisias, N.G. Pleistocene climate: deterministic or stochastic? 9—66787

Komissarova, I.I., Ostrovskaya, G.V. Diagnostics of a laser spark with a hologram interferometer 9—64921

Komissarova, I.I. *see* Koval'chuk, Yu.V. 9—64922

Komissarova, L.A., Goryushin, V.V., Vasil'eva, A.G. Influence of strain in martensitic state on properties of steel at high testing temperatures 9—74174

Komissaruk, V.A., Kavalev, P.I., Martynov, V.P., Mende, N.P. Use of a polarization interferometer in a ballistic experiment 9—55435

Komissaruk, V.A. *see* Kovalev, P.I. 9—97426

Komiya, K. *see* Kawata, M. 9—98833

Komiya, K. *see* Watanabe, N. 9—68871

Komiya, S., Kotani, T. Direct observation of dislocations in $Ga_{1-x}Al_xAs$-GaAs grown by the LPE method 9—65087

Komiya, S., Sugiyama, Y., Kobayashi, M., Tuzi, Y. Direct-molecular-beam method for mass selective outgassing rate measurement 9—85146

Komiya, S. *see* Akita, K. 9—60370

Komiya, S. *see* Narusawa, T. 9—83136

Komiyama, S., Masumi, T. Cyclotron resonance of polarons in AgBr at high microwave fields 9—61228

Komiyama, S., Masumi, T., Kajita, K. Definite evidences for the population inversion of hot electrons in silver halides 9—91085

Komiyama, T., Miwa, M. Circular dichroism and magnetic circular dichroism spectra of phenylalanine and its derivatives 9—87418

Komkov, M.M. *see* Demidov, A.M. 9—89268

Komkov, M.M. *see* Govor, L.I. 9—67707

Komlev, A.M. *see* Naumova, S.F. 9—83465

Komlew, W.K. *see* Meshikowski, S.M. 9—70097

Komma, M., Nakel, W. Doubly differential cross section for K-shell ionisation of silver and gold for 300 KeV electron impact 9—98226

Kommandeur, J. *see* Huizinga, S. 9—82803

Komnik, Yu.F., Bukhshtab, E.I., Nikitin, Yu.V. Low temperature anomalies of electron properties and quantum size oscillations in thin layers of Bi-Sb alloys 9—65571

Komolov, S.A., Chadderton, L.T. An experimental investigation of the reflection of low energy electrons from surfaces of 2H-MoS_2 9—61479

Komolov, S.A., Gerasimova, N.B. Mean free path of slow electrons in thin CdS films 9—99998

Komornicki, A., Jaffe, R.L. An ab initio investigation of the structure, vibrational frequencies, and intensities of HO_2 and HOCl 9—98007

Komoroski, R.A. Chain mobility of some terephthalic acid polyesters in solution. A ^{13}C spin-relaxation study 9—87327

Komoto, T.T. *see* Hansen, L.F. 9—93612

Komotori, K. *see* Mori, Y.H. 9—55378

Komotskii, V.A. *see* Deryugin, L.N. 9—98274

Komov, A.N., Kudryakov, Yu.P. Magnetoresistive semiconductor power meter for the 3-cm-wavelength range 9—71428

Komov, A.N., Treshchev, V.M. Investigation of the radioelectric effect in p-type InSb in the temperature range 100-300K 9—56255

Komp, M.J., Auer, A.H., Jr. Visibility reduction and accompanying aerosal evolution downwind of St. Louis 9—53514

Kompa, K.L. *see* Diegelmann, M. 9—76674

Kompalova, L.A., Sergeev, L.V. Technique for cementing line light filters 9—72729

Kompanets, I.N., Sobolev, A.G. Photovoltaic effect in PLZT ferroelectric ceramic 9—99585

Kompanets, I.N. *see* Gracheva, G.G. 9—55240

Kompanets, I.N. *see* Mtskeradze, G.Sh. 9—50254

Kompanets, I.N. *see* Vasil'ev, A.A. 9—94177

Kompaniets, T.N., Kurakin, V.A., Kurdyumov, A.A., Lyasnikov, V.N. Investigation of the kinetics of permeation of hydrogen through copper membranes 9—99371

Komppa, V. The effect of heat treatment on the chemical durability of Na_2O-SiO_2 and Na_2O-BaO-SiO_2 glass surfaces 9—52405

Komppa, V. Crystallization of Li_2O-SiO_2 glass 9—90567

Komrakov, G.P. *see* Aksenow, W.I. 9—62646

Komrakov, Yu.I. *see* Karabegov, M.A. 9—75573

Komrska, J. Symmetry of Fraunhofer diffraction expressed by series expansions of Fourier transform 9—50212

Komunjer, L. *see* Markovic, M. 9—52100

Komura, K., Sakanoue, M., Konishi, K. Non-destructive $^{226}Ra/^{238}U$ dating of quaternary corals by gamma-spectrometry 9—88221

Komura, K. *see* Konishi, K. 9—84227

Komura, S., Takeda, T. A model of magnetic inhomogeneous structure for Fe-Ni Invar alloys 9—56503

Komura, S. *see* Fujii, H. 9—65650

Komura, Y. *see* Kitano, Y. 9—94957
Komuro, M. *see* Atoda, N. 9—87859
Komyak, A.I. *see* Gachko, G.A. 9—85993
Komyak, A.I. *see* Gulis, I.M. 9—50073, 9—54884
Komyak, A.I. *see* Volod'ko, L.V. 9—87489
Kon, H. *see* Rispin, A.S. 9—78061
Kon, J. *see* Sato, S. 9—91868
Kon, K., Tsujikawa, S., Hisamatsu, Y. Stress corrosion cracking of type 304 steel single crystal in H_2SO_4-NaCl solution 9—96202
Kon, K. *see* Sato, A. 9—79158
Kon, M. *see* Jakobsen, H.P. 9—80374
Kon-Syu, Yu. *see* Rudchenko, V.V. 9—90726
Konagai, M. *see* Charan, S. 9—57427
Konagai, M. *see* Suzuki, T. 9—91175
Konak, C. Changes of optical properties at an incommensurate-commensurate phase transition in $(NH_4)_2BeF_4$ crystals 9—95733
Konak, C. *see* Fousek, J. 9—95731
Konakova, I.P. *see* Bogachev, I.N. 9—70153
Konakova, R.V. *see* Zaitsevskii, I.L. 9—91140
Konarzewski, A. *see* Brzosko, J.S. 9—99012
Konashenko, V.I. *see* Gobov, G.V. 9—64031
Konc, M., Szabo, J.D., Dusa, O. Preparation and some magnetic properties of amorphous electrolytic CoNiP films 9—51823
Konchits, A.A., Vikhnin, V.S., Zaritskii, I.M., Krulikovskii, B.K. Angular dependence of the spin-lattice relaxation rate in the case of pulsed saturation of an inhomogeneously broadened ESR line of $Si:Fe^0$ 9—65721
Konchits, A.A., Zaritskii, I.M., Shanina, B.D. Optical excess charging $D^0 \rightarrow D^-$ and spin relaxation of photoelectrons in Si 9—78572
Koncz, P. *see* Albrecht, D. 9—75985
Konczak, S., Nowak, M. Some comments on the photomagnetoelectric effect 9—99584
Konczos, G. *see* Lazar, K. 9—66355
Konczykowski, M., Lesueuer, D., Dural, J. The measurement of the activation volume of interstitials in electron irradiated platinum 9—51154
Kondal Rao, N., Shri, S., Katiyar, H.C., Sinha, K.K., Gupta, U.C., Rajendran, R., Patro, J.B., Chandramouli, V.A., Krishnan, T.S. Technological aspects of UO_2 fuels. Characterisation and quality control. Indian experience 9—49806
Kondilenko, I.I., Korotkov, P.A., Golubeva, N.G., Klimenko, V.A., Pisanskii, A.I. Raman spectrum of the ammonium oxalate monohydrate crystal 9—73924
Kondilenko, I.I., Korotkov, P.A., Grib, B.N., Felinskii, G.S. Electro-optical deflection of light beams 9—94342
Kondilenko, V., Markov, V., Odulov, S., Soskin, M. Diffraction of coupled waves and determination of phase mismatch between holographic grating and fringe pattern 9—50250
Kondo, H. Autofocus cameras 9—75640
Kondo, J. *see* Ootuka, Y. 9—65502
Kondo, K., Nakajima, N., Ichioka, Y., Suzuki, T. Image restoration of TEM micrographs of weak-phase object using computer 9—71571
Kondo, K., Sunakawa, T., Sawaoka, A. Pressure dependence on electrical resistivity and contacts of hematite crystal 9—65476
Kondo, K. *see* Cooper, P.S. 9—58540
Kondo, K. *see* Morimoto, S. 9—50879
Kondo, K. *see* Yagi, M. 9—88185
Kondo, M. Recent developments at the Osaka RCNP 230-cm cyclotron and a proposal for a new ring accelerator 9—54632
Kondo, M. On the opaque core appearing in the early phase of star formation 9—58322
Kondo, M., Inoue, K. Button-type alkaline primary batteries 9—83582
Kondo, M., Kubo, A., Yamazaki, H., Ohsuzu, F., Handa, S., Tsugu, T., Masaki, H., Kinoshita, F., Hashimoto, S. Thallium-201 myocardial imaging for evaluation of right-ventricular overloading 9—53230
Kondo, M., Watanabe, S., Ando, I. The effect of dielectric constant upon the $^1J_{CH}$ spin coupling constants in organic compounds 9—72240
Kondo, M. *see* Miura, I. 9—54663, 9—68013
Kondo, M. *see* Ogura, H. 9—69156
Kondo, S. *see* Nakanaga, T. 9—54851
Kondo, S. *see* Sugii, K. 9—56087
Kondo, T. *see* Ito, K. 9—83973
Kondo, T. *see* Kasemura, T. 9—69323, 9—95247
Kondo, T. *see* Oya, H. 9—75148
Kondo, T. *see* Tada, O. 9—83123
Kondo, T. *see* Tamura, H. 9—57543
Kondo, W. *see* Fujii, K. 9—79218
Kondo, Y., Abe, Y., Matsuse, T. Application of a band crossing model for resonances in high energy ^{12}C-^{12}C scattering 9—54424
Kondo, Y., De Jager, C., Hoekstra, R., Van Der Hucht, K.A., Kamperman, T.M., Lamers, H.J.G.L.M., Modisette, J.L., Morgan, T.H. Balloon-borne Ultraviolet Stellar Spectrograph. I. Instrumentation and observation 9—70954
Kondo, Y., Schomaker, D., Luty, F. Molecular motion and ordering in rubidium cyanide, studied with dielectric and Raman techniques 9—73932
Kondo, Y., Ushiroda, S., Kajita, S., Miyoshi, Y. Space-charge-limited current flow of a pulseless corona in a negative point-to-plane gap 9—86627
Kondo, Y. *see* Abe, Y. 9—54425
Kondo, Y. *see* Awakura, Y. 9—70338
Kondo, Y. *see* De Jager, C. 9—70955
Kondo, Y. *see* Iizuka, E. 9—82152
Kondo, Y. *see* Van Der Hucht, K.A. 9—71028
Kondoh, M., Ebihara, K., Ezura, E., Ieiri, T., Kudo, K., Mizumachi, Y., Muto, K., Nakanishi, H., Takeda, S., Toda, M. RF acceleration in KEK main ring 9—68048
Kondoh, M. *see* Ezura, E. 9—76184
Kondoh, M. *see* Ishimaru, H. 9—72079
Kondoh, Y. *see* Morishita, K. 9—81561
Kondorskaya, N.V., Solovieva, O.N., Zakharova, A.I., Chepkunas, L.S., Pavlova, L.N., Yanovskaya, T.B. The earthquake of March 4, 1977, its recording peculiarities and source parameters 9—84170
Kondorskii, E.I. Micromagnetism and magnetic reversal of quasi-single-domain particles 9—82830
Kondow, T. *see* Allison, J. 9—76520
Kondow, T. *see* Hiraishi, H. 9—64088, 9—100338
Kondow, T. *see* Mizutani, U. 9—52078
Kondow, T. *see* Nishiyama, I. 9—54975
Kondranin, T.V., Kuz'minskii, I.N. Screening of selective radiation in a boundary layer 9—90283
Kondrashev, V.A. Propagation of instability in electron beam systems 9—64877
Kondrashev, V.A. Development of an initially localized perturbation in the interaction of a cold beam with a dielectric 9—89838
Kondrasheva, V.S. *see* Gorina, N.B. 9—61873
Kondrashov, G.N., Selivanov, L.V. State testing of hydrometeorological measuring equipment 9—70897
Kondrashov, V.V. *see* Rolin, M.N. 9—72991
Kondrashova, T.G. *see* Gamazkov, S.M. 9—87713
Kondrat, R.W., McClusky, G.A., Cooks, R.G. Multiple reaction monitoring in mass spectrometry/mass spectrometry for directed analysis of complex mixtures 9—74437
Kondratene, O.P. *see* Kabailene, M.V. 9—88332
Kondratenko, A.M. *see* Derbenev, Ya.S. 9—63843, 9—72127, 9—93860
Kondratenko, A.N., Kuklin, V.M., Tkachenko, V.I. Anomalous beam energy less during the growth of dissipative beam instability 9—60156
Kondratenko, A.N., Kuklin, V.M., Tkackenko, V.I. Nonlinear theory of a beam instability in a collisional plasma 9—82061
Kondratenko, A.N. *see* Azarenkov, N.A. 9—82067
Kondratenko, A.V. *see* Shchetanov, B.V. 9—97343
Kondratenko, M.I., Kozhikhova, Zh.G., Prokof'eva, V.P. Installation for testing densimeters 9—80582
Kondratenko, M.M., Omanchukovskaya, I.V., Orletskii, V.B. Effective coefficient of distribution of cadmium in $Pb_{0.82}Sn_{0.18}Te$ 9—73203
Kondratenko, M.M. *see* Gutsulyak, V.G. 9—73437
Kondratenko, P.A., Tantsujra, L.Ya. Singlet oxygen diffusion investigation with photosensitized oxidation of abietic acid in a polymer matrix 9—52655
Kondratenko, P.A. *see* Zharkov, I.P. 9—78001
Kondratenko, P.S. *see* Agranat, M.B. 9—95879
Kondrat'ev, A.S. *see* Enaleeva, N.K. 9—90979
Kondrat'ev, B.I. *see* Gryazev, V.M. 9—97865
Kondrat'ev, B.K. *see* Batalin, V.A. 9—68109
Kondrat'ev, I.G. *see* Zharov, A.A. 9—55507
Kondrat'ev, I.K., Chistov, P.I. Choice of optimal frequency filtering parameters for interference systems 9—58117
Kondrat'ev, I.K., Loginov, V.V. Determination of kinematic and dynamic characteristics of seismic waves by a statistical analysis of the wave field 9—84533
Kondrat'ev, K.A. *see* Besedovskii, R.Z. 9—72585
Kondrat'ev, L.N. *see* Bayukov, Yu.D. 9—49538
Kondrat'ev, M.V. Modulation of ultrasound in n-type InSb 9—69196
Kondrat'ev, M.V. Oscillations of the transverse magnetoresistance of n-type InSb and n-type InAs 9—91086
Kondrat'ev, S.P. *see* Lysak, L.I. 9—83196
Kondrat'ev, V.A. *see* Gol'dshtein, M.D. 9—67413
Kondrat'ev, Yu.A. Pulsed operation of a focusing piezoelectric transducer 9—68539
Kondrat'ev, Yu.A., Karpel'son, A.E. Formation of narrow, slightly diverging ultrasonic beams 9—90105
Kondrat'ev, Yu.M., Martynov, Yu.A., Pryakhin, E.A., Sochnev, V.G., Tulinov, V.F., Yakovlev, S.G. Preliminary results of an experimental study of the IR emission of the upper atmosphere on the Meteor Earth satellite 9—62632
Kondrat'ev, Yu.N. *see* Pavlova, G.A. 9—76778
Kondrat'eva, E.D., Reznikov, E.A. About the possible age of the Pons-Winnecke meteor shower 9—92729
Kondrat'eva, M.A. *see* Somogy, A. 9—80173
Kondrat'eva, T.N., Malanushenko, V.P., Nasarova, L.S., Fabrika, S.N. Investigation of the amorphous nucleus region of the galaxy NGC 6217 9—92869
Kondrat'eva, V.V. *see* Vidmont, N.A. 9—69860
Kondratovich, Yu.V. *see* Polshkov, M.K. 9—84531
Kondratyev, K.Ya., Pokrovsky, O.M. A factor analysis approach to optimal selection of spectral intervals for multipurpose exeriments in remote sensing of the environment and Earth resources 9—88503
Kondratyev, K.Ya., Vasilyev, O.B., Ivlev, L.S., Radionov, V.F., Welch, R.M., Zhvalev, V.F. Calculations of free atmospheric shortwave spectral characteristics over the desert (from the CAENEX-70 data) 9—100956
Kondratyuk, L.A., Lev, F.M., Shevchenko, L.V. Backward elastic pd scattering in the Δ-resonances region and the one-pion exchange formfactor 9—54353
Kondratyuk, L.A. *see* Aref'ev, A.V. 9—97637
Kone Ali *see* Ali Kone
Konecny, C. *see* Feist, I. 9—63873
Konecny, R.S. *see* Sanders, R.A. 9—68072
Konecny, V. *see* Chung, D.Y. 9—55691
Konefal, Z. The influence of detergents on the bleaching process, laser properties of rhodamine 6G and B in aqueous solution 9—59697
Koneke, A. *see* Fedders, B.S. 9—72968
Konenkov, N.V., Koshel'kov, V.A., Melekhin, S.V., Pavlov, M.A., Stepanov, V.A. Passive frequency characteristic of a helium-neon glow discharge 9—50915
Konetschny, W. Quark masses in quantum chromodynamics: a look in the axial gauge 9—58925
Konev, S.V., Khrapovitskii, V.P., Cherenkevich, S.N. Structural change of cell nuclei in the physiological pH interval 9—79492
Konev, S.V. *see* Chernitskii, Ye.A. 9—53055
Konev, S.V. *see* Korneyeva, I.L. 9—92163
Konev, V.V., Popov, G.A. Effect of ultraviolet radiation on the formation of fluorescing products of peroxide oxidation of the lipids 9—57585
Kong, J.A. *see* Tsang, L. 9—50482, 9—71255, 9—76553
Konicheva, I.M. *see* Alferov, Zh.I. 9—91133
Konieczka, J. *see* Subotinov, N.V. 9—50319
Konieczko, M.B. *see* Briggs, D. 9—66179
Konig, J.A. On the incremental collapse criterion accounting for temperature dependence of yield point stress 9—98625
Konig, K.H. *see* Garten, R.P.H. 9—52802
Konig, R. *see* Rosenfeld, A. 9—98013
Konig, U., Heime, K., Kubalek, E. The influence of the growth process on doping profile and mobility profile during LPE of the pseudobinary Sn-GaAs system 9—70000
Konig, V., Gruebler, W., Hardekopf, R.A., Jenny, B., Risler, R., Burgi. H.R. Comparison of the mirror reactions $^2H(d,p)^3H$ and $^2H(d,n)^3He$ 9—75964
Konig, V. *see* Burgi, H.R. 9—67756
Konig, V. *see* Gruebler, W. 9—71858, 9—75953
Konig, V. *see* Jenny, B. 9—76006, 9—85443
Konig, V. *see* Schmelzbach, P.A. 9—71830
Konig, V. *see* White, R.E. 9—63653, 9—71833
Konig, W. *see* Holland, U. 9—51969
Konig, W. *see* Mainka, E. 9—49690
Koniger, F., Blom, C.E., Muller, A. Infrared band contour analysis and molecular constants of SPF_3 and NSF_3 9—98089
Konigs, E. *see* Armstrong, T.A. 9—85344
Konijn, J., Panman, J.K., Koch, J.H., van Doesburg, W., Ewan, G.T., Johansson, T., Tibell, G., Fransson, K., Tauscher, L. Shift and width of the pionic 3d state in Ta, Re and Bi 9—86085
Konijn, J., Panman, J.K., Koch, J.H., Van Doesburg, W., Ewan, G.T., Johansson, T., Tibell, G., Fransson, K., Tauscher, L. Pionic 4f→3d transition in ^{181}Ta, natural Re, and ^{209}Bi and the strong interaction level shift and width of the pionic 3d state 9—98251
Konijnendijk, J. *see* Emid, S. 9—73845
Konikova, A.S. *see* Rapoport, E.A. 9—88062
Koning, H.W.de *see* de Koning, H.W.
Koningstein, J.A. *see* Asano, M. 9—94001
Konishi, K. QCD jet calculus 9—67516
Konishi, K. Multiplicity distributions in QCD 9—71720
Konishi, K., Komura, K., Motoya, Y. An early Wisconsin reef on the Daito Ridge, north Philippine Sea. Isotopic evidences 9—84227
Konishi, K., Ukawa, A., Veneziano, G. Jet calculus: a simple algorithm for resolving QCD jets 9—63455
Konishi, K., Ukawa, A., Veneziano, G. Jet calculus: a simple algorithm for resolving QCD jets 9—93346
Konishi, K. *see* Cvitanovic, P. 9—89111
Konishi, K. *see* Komura, K. 9—88221
Konishi, M., Obara, T., Tanaka, T., Ohashi, N. Effect of heat treatment prior to cold rolling on recrystallization texture in iron carbon single crystals 9—83232
Konishi, M. *see* Knudsen, E.I. 9—66476
Konishi, M. *see* Morita, T. 9—57544
Konishi, M. *see* Tanaka, K. 9—69061
Konishi, R. *see* Kato, S. 9—65973
Konishi, S., Hsu, T.-L., Brown, B.R. Discrimination of S=1 and S=0 bubbles by dynamic bubble collapse 9—51825

Konishi, S., Matsuyama, K., Narita, K. Formation and punch-through of horizontal Bloch line in a stripe domain wall 9—99723

Konishi, S., Morioka, Y., Nakagawa, I. Far-infrared studies of alkali-anthracene ion-pairs and triple-ions in solution 9—78663

Konishi, S., Watanabe, F., Narita, K. Controlled generation and discrimination of χ_+ and χ_- bubbles by a single bias pulse 9—51826

Konishi, S. *see* Reddoch, A.H. 9—54870

Konishi, T. *see* Kichimi, H. 9—89207

Konishi, T. *see* Sugahara, R. 9—93454

Konishi, Y. *see* Shimbo, M. 9—79092

Konisho, E. *see* Akashi, M. 9—63562

Konisi, G., Takahasi, W. A detailed investigation of fermion collective motions 9—93348

Konitz, H. Concerning the theory of Fourier images. I. Lightoptics 9—81379

Konitz, H. Concerning the theory of Fourier images. II. Electronenoptics 9—89839

Koniuta, A., Dudermel, M.T., Adler, P.M. A laser Doppler anemometer with microscopic intersection volume 9—94750

Konkin, M.K., Adler, J.G. A study of instabilities in superconducting tunnel junctions 9—56436

Konkle, D.F. *see* Relkin, E.M. 9—88088

Kon'kov, A.A., Sokolov, A.I. Interferometric investigation of propagation of strong shocks in air 9—64695

Kon'kov, V.F. *see* Gryazev, V.M. 9—97865

Konkov, V.N. *see* Gavrilenko, V.G. 9—81339

Konnen, G.P., de Boer, J.H. Polarized rainbow 9—80017

Konnikov, Yu.V. *see* Diogenova, T.V. 9—53588

Konno, K., Mitsuhashi, T., Ichikawa, Y.H. Propagation of ion acoustic cnoidal wave 9—77358

Konno, K., Mitsuhashi, T., Ichikawa, Y.H. Propagation of ion acoustic cnoidal wave 9—86581

Konno, K. *see* Nakamura, T. 9—96589

Konno, K. *see* Wadati, M. 9—92994, 9—92995

Konno, M., Oyama, S., Tomikawa, Y. Equivalent electrical networks for transversely vibrating bars and their applications 9—68469

Konno, M., Oyama, S., Tomikawa, Y., Sugawara, S. Mechanical networks and their applications. I 9—81615

Konno, M. *see* Mikami, M. 9—78380

Konno, M. *see* Tomikawa, Y. 9—68470

Konno, T. *see* Sasaki, E. 9—61729

Kono, A., Hattori, S. Radiative-lifetime measurements for I I and I II 9—54810

Kono, A., Maeda, T., Karube, Y., Shiokawa, H., Matsushima, Y. Complex formed from 3-hydroxy-4-formylpyridine, glutamic acid, and technetium—a possible cholescintigraphic agent 9—79653

Kono, H. *see* Fukuyo, H. 9—86965

Kono, M., Niki, K. Development of a multi-microelectrodes system for simultaneous recording of single-unit potentials of closely spaced neurons 9—57826

Kono, M., Niki, K. Characteristics of a multi-microelectrode system with features of independent penetration and structural reinforcement by magnetic coupling of each microelectrode and for the use of simultaneous recording of single-unit potentials of closely spaced neurons 9—66586

Kono, R., Yamaoka, T., Yoshizaki, H., McGinness, J. Anomalous absorption and dispersion of sound waves in diethylamine melanin 9—77688

Kono, S. *see* Petersson, L.-G. 9—65314

Kononenko, A.A. *see* Pashchenko, V.Z. 9—92178

Kononenko, A.I. *see* Avdeenko, A.A. 9—87485

Kononenko, A.S. Determination of the degree of texture perfection in sintered magnets from RCo_5 compounds 9—100085

Kononenko, A.S., Sergeev, V.V. Effect of time sintering on some properties of $SmCO_5$ magnets 9—95977

Kononenko, A.S., Sergeev, V.V., Kovikova, I.V., Pokrovskii, D.V. Influence of the sintering temperature on properties of magnets made of the compound $Pr_{0.75}Sm_{0.25}Co_5$ 9—82819

Kononenko, A.S., Sergeev, V.V., Malakhov, G.V., Al'tman, V.A., Nikolaeva, G.I., Pashkov, P.P. Structure of sintered magnets made of $SmCo_5$ compound 9—52397

Kononenko, G.V. *see* Simonov, K.V. 9—87600

Kononenko, I.I. *see* Bogomolov, K.S. 9—68370

Kononenko, V.G., Khaikhler, V. Formation of elastically ordered structures during decomposition of a solid solution of barium in a KCl single crystal 9—86896

Kononenko, V.G. *see* Geguzin, Ya.E. 9—73164

Kononenko, V.K. *see* Tupenevich, P.A. 9—95492

Kononenko, W. *see* Dris, M. 9—49491

Kononenko, W. *see* Selov, W. 9—59303

Kononets, Y.V. *see* Kagan, Y. 9—77657

Kononikhin, G.A., Kharlamov, M.P. On the motion equations for a system of two bodies coupled by an elastic spherical hinge 9—50590

Kononov, A.N. Theory of superstructures in 2H modifications of layer transition-metal compounds 9—99291

Kononov, E.Ya., Ryabtsev, A.N., Churilov, S.S. Spectra of sodium-like ions Cu XIX-Br XXV 9—49974

Kononov, K.M. *see* Getsov, L.B. 9—66125

Kononov, N.N. *see* Askar'yan, G.A. 9—64886

Kononov, P.S. *see* Komarov, V.A. 9—52569

Kononov, V.N., Poletaev, E.D. State of the experimental data on α for ^{239}Pu $[\sigma(n,\gamma)/\sigma(n,f)]$ 9—89312

Kononov, V.P. *see* Edel'man, I.S. 9—99966

Kononova, L.I. *see* Sokol, V.A. 9—87598

Kononyuk, I.F., Lyashevich, A.S., Danil'kevich, M.I. Effect of an explosion on the magnetic properties of ferrite powders 9—52395

Konop, V.I. *see* Malinov, L.S. 9—100141

Konopasek, F. *see* Anderson, J. 9—54646

Konopelchenko, B.G. Completely integrable theories as theories of spontaneous breakdown 9—49416

Konopelchenko, B.G. On relativistic-invariant formulation of the inverse scattering transform method 9—71598

Konopelchenko, B.G. Integrable equations and differential geometry 9—75407

Konopel'chenko, B.G., Mokhnachev, V.G. On group analysis of differential equations 9—92991

Konopel'ko, L.A. *see* Gel'fond, Yu.V. 9—67248

Konopka, A. *see* Talib, A. 9—61958

Konopka, R.J. *see* Handler, A.M. 9—62234

Konoplev, A.M., Sarrak, V.I. Internal stresses and brittleness of the alloy 27KKh in the ordered state 9—61698

Konoplev, V.P. *see* Berkhoer, A.L. 9—80643

Konopleva, R.F. *see* Barsov, S.G. 9—87370

Konoplich, R.V. *see* Golubkov, Yu.A. 9—67617

Konoplyannikov, A.K. *see* Dzhelyadin, R.I. 9—67556

Konoplyannikov, A.K. *see* Victorov, V.A. 9—67546

Konorova, E.A., Sergienko, V.F., Tkachenko, S.D., Dravin, V.A., Spitsyn, A.V. Investigation of the distribution of ion-implanted lithium atoms in diamond 9—77630

Konorova, L.F. Anomalies of the Hall effect in germanium compensated by thermal defects 9—69535

Konorski, B. The system of Gauss formulae and units in electrotechnics 9—88904

Konoshenko, A.F. *see* Bashkin, A.S. 9—89903

Konoshima, S. *see* Gomay, Y. 9—85768

Konoshima, S. *see* Imai, T. 9—90426

Konoshima, S. *see* Maeno, M. 9—98984

Konotop, Yu.F. *see* Voloshchuk, A.I. 9—74226

Konov, I.S. *see* Abdulsabirov, R.Yu. 9—61243

Konov, I.S. *see* Antipin, A.A. 9—95643

Konov, V.I. *see* Ageev, V.P. 9—86616, 9—91540

Konov, V.I. *see* Arzuov, M.I. 9—52052, 9—57135

Konovalenko, B.M. *see* Gerasimov, A.B. 9—51155

Konovalov, A.A., Turubarov, V.I., Agapitov, S.A. Apparatus for the measurement of the running dose and the mean value of infralow-frequency signals 9—83936

Konovalov, I.N., Tarasenko, V.F. Electron-beam-excited XeBr laser 9—98347

Konovalov, I.N. *see* Bychkov, Yu.I. 9—59686

Konovalov, I.P. *see* Ermachenko, V.M. 9—86160

Konovalov, L.V., Kogaev, V.P., Vandyshev, V.P. Statistical evaluation of the service life of a complex shaped, large-scale part 9—91798

Konovalov, N.A. *see* Gudramovich, V.S. 9—58822

Konovalov, O.G. *see* Bratashevskii, A.S. 9—85305

Konovalov, O.G. *see* Derebchinskii, A.I. 9—76318

Konovalov, S.F., Ermolaev, A.K., Babinkov, V.A. Systematic-error correction in accelerometer testing on standard vibratory testers 9—71423

Konovalov, S.F. *see* Trunov, A.A. 9—71424

Konovalov, S.I. *see* Styrikovich, M.A. 9—76946

Konovalov, V.I. *see* Ishchenko, S.S. 9—99763

Konovodchenko, E.V. *see* Pashkov, V.V. 9—65144

Konowalow, D.D., McAdon, M.H., Rosenkrantz, M.E., Maffuid, P., Freinhar, J.P., Ottman, R.J., Bennett, R., Tipton, P. The canonical exchange energy modulation parameters in molecular MTXα calculations. Some first row homonuclear diatomic molecules 9—97997

Konowalow, D.D., Olson, M.L. The electronic structure and spectra of the $X^1\Sigma_g^+$ and $A^1\Sigma_u^+$ states of Li_2 9—89615

Konowalow, D.D., Rosenkrantz, M.E., Stevens, W.J., Krauss, M. Dipole polarizabilities of Zn, Cd, and Hg(^{1}S) 9—76362

Konowalow, D.D., Stevens, W.J., Rosenkrantz, M.E. Long range interactions in low-lying states of Li_2^+ 9—98175

Konrad, R., Schneider, G.M. Nematic-isotropic transition in MBBA and its mixtures with 4-methoxybenzaldehyde. Applications to the purity control of liquid crystals 9—55872

Konradi, G.G., Mozhaev, A.V., Zmievskii, V.I., Sokolov, V.S. Resistance of titanium alloy VT3-1, containing artificial defects to corrosion cracking 9—52436

Konsetov, V.V., Ushakov, V.G. Contributions to the theory of convective heat transfer in mixing of non-Newtonian fluids 9—77094

Kon'shin, V.A. Methods of evaluating the nuclear constants of heavy fissile nuclei 9—59100

Kon'shin, V.I. *see* Ornatskii, A.P. 9—65181

Konshina, E.A. *see* Balakov, A.V. 9—83125

Konstantinavichyus, K.V. A method of calculating molecules from their fragments 9—63905

Konstantinidis, S. The dynamic properties of the fuel element of the fast reactor passed through by a medium 9—67852

Konstantinidis, S., Rejf, P. Solving the dynamic response of the fuel rod by the state space method 9—49647

Konstantinov, A.A. *see* Subchinskii, V.K. 9—57604

Konstantinov, A.A. *see* Vasil'ev, V.G. 9—54123

Konstantinov, A.S. *see* Dzhelyadin, R.I. 9—67556

Konstantinov, A.S. *see* Victorov, V.A. 9—67546

Konstantinov, I.E. *see* Zelenin, V.N. 9—71005

Konstantinov, I.I. Liquid crystalline properties of some monomeric azo- and azoxybenzenes and their polymers 9—99065

Konstantinov, S.V. Calculation of the main characteristics of a turbulent stream of incompressible fluid in a pipe 9—64637

Konstantinov, V.F. *see* Dzhelyadin, R.I. 9—67556

Konstantinov, V.F. *see* Golovkin, S.V. 9—89212

Konstantinov, V.F. *see* Victorov, V.A. 9—67546

Konstantinov, V.L., Skornyakov, G.P., Kamarzin, A.A., Sokolov, V.V. Optical properties of La_2S_3 single crystals 9—87458

Konstantinov, V.N. *see* Ovchinnikov, I.V. 9—51839

Konstantinov, Yu.O. *see* Al-Haddad, S.A. 9—71927

Konstantinova, A.F. *see* Grechushnikov, B.N. 9—56761

Konstantinova, A.F. *see* Kaldybaev, K.A. 9—61328

Konstantinova, E.M., Kunev, S.K., Stratieva, N.R. Effect of α-Cr_2O_3 on the properties of polycrystalline CdS obtained from the heterogeneous system CdS+Cr_2O_3 9—65469

Konstantinova, V.P. *see* Ivanov, N.R. 9—55887

Konstantinovic, J. *see* Popov, D. 9—55697

Konstants, Z.A. *see* Kliava, J.G. 9—95635

Konstein, S.E. *see* Kalashnikov, O.K. 9—67491

Konter, J.A. *see* Hunik, R. 9—65644

Kontoleon, J.M. Availability maximization of supervised protective systems for nuclear reactors 9—59180

Kontoleon, J.M. Optimum trip level of m-out-of-n reactor temperature trip-amplifier systems 9—93741

Kontor, N.I. *see* Vernov, S.N. 9—80126

Kontorovich, S.I. *see* Geguzin, Ya.E. 9—65109

Kontorovich, V.M., Stepanova, N.A. Effect of local flattening of the Fermi surface on the absorption and dispersion of sound 9—51471

Kontrosh, E.E. *see* Shpenik, O.B. 9—54974

Kontsevoi, Yu.A., Rezvyi, R.R., Finarev, M.S., Buzovkina, V.A. Ellipsometry of dielectric films made of gallium arsenide 9—69894

Konya, J. Notes on the 'non-Faraday' electrolysis of water 9—70340

Konyaev, V.P. *see* Belyaletdinov, I.F. 9—72706

Konyaev, V.P. *see* Bessonov, Yu.L. 9—98408

Konyaev, V.P. *see* Borodulin, V.I. 9—89933

Konyaev, V.P. *see* Goncharov, I.G. 9—90038, 9—94238

Konyaev, Yu.S. *see* Blank, V.D. 9—74147

Konyakhin, N.A. *see* Mironov, V.N. 9—93895

Konyashchenko, A.V. *see* Galochkin, V.T. 9—76432

Konys, M. *see* Jankowiak, R. 9—99865

Konyshev, V.V. *see* Kachurin, G.A. 9—69145

Konyukhov, V.K., Faizulaev, V.N. Possibility of building a gasdynamic laser utilizing transitions between levels of paired CO_2 modes 9—89885

Konyukhov, V.K. *see* Bulatov, E.D. 9—50023

Konyukhov, V.K. *see* Vargin, A.N. 9—86046

Konyushko, V.I. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821

Koo, J.C. *see* Bartels, R.A. 9—65789

Koo, J.Y. Design of ferrous alloys 9—66058

Koo, K.P., Claspy, P.C. Stark effects in optically pumped CH_3OH far infrared laser 9—72552

Koo, K.P. *see* Adamowicz, R.F. 9—100554

Koo Lee Jae *see* Jae Koo Lee

Koo Park Won *see* Won Koo Park

Koo Wee Kor Nuclear structure, form factors, quadrupole moments, and electronuclear sum rules 9—75897

Kool, P. An heuristic approach to the modelling of three-dimensional turbulent boundary layers 9—81864

Kool, P. *see* De Ruyck, J. 9—98702

Koon, N.C., Das, B.N., Rhyne, J.J. Magnetic excitations in $ErCo_2$ 9—78351

Koon, N.C. *see* Forester, D.W. 9—61141

Koon, N.C. *see* Williams, C.M. 9—73724

Koonin, S.E. Internal conversion as a probe of weak neutral currents 9—67712

Koonin, S.E. *see* Bonche, P. 9—93676

Koonin, S.E. *see* Tubbs, D.L. 9—101059

Koons, G.F. Statistical analysis of notch toughness data 9—61818

Koons, H.C., Pongratz, M.B. Ion cyclotron waves generated by an ionospheric barium injection 9—53648

Koontz, R.F. One nanosecond pulsed electron gun systems 9—67977

Koop, C.G., Browand, F.K. Instability and turbulence in a stratified fluid with shear 9—77216

Koopman, D.W. *see* Mahon, R. 9—50306, 9—81482

Koopman, R.N., Carey, W.M. Acoustic data analysis: TREAT test R12 9—93778

Koopman, R.N., Testa, F.J., Kramer, N.A., McNary, R.O., Rothman, A.B. TREAT transient overpower experiment R12 9—49764
Koori, N. *see* Matoba, M. 9—97705
Koori, N. *see* Yuasa, T. 9—85441
Koornneef, J. *see* Israel, F.P. 9—71017
Koos, I. *see* Gaspar, R. 9—59339
Koos, M. *see* Somogyi, I.K. 9—56862
Koos, M. *see* Vassilyev, V.A.V. 9—83025
Koos, V. *see* Dobbert, P. 9—65006
Kooter, J.A., Van Der Waals, J.H. The metastable triplet state of zinc porphin and magnesium porphin: a study by ESR in an n-octane crystal at 1.4K 9—72340
Kooter, J.A., Van Der Waals, J.H., Knop, J.V. Calculation of the spin density and spin-spin dipolar interaction in the triplet state of metal porphins 9—68200
Kooy, D.Van Der *see* Van Der Kooy, D.
Kopach, V.R. *see* Palatnik, L.S. 9—82593
Kopaczynska, Z. *see* Legendziewicz, J. 9—65860
Kopaev, I.M. *see* Vnuchkov, G.A. 9—80073
Kopaev, I.M. *see* Zhulin, I.A. 9—66738, 9—79921
Kopa'ev, Y.V., Menyailenko, V.V., Molotkov, S.N. Kinetic properties of superconductors with structural transformation 9—95544
Kopaev, Yu.V., Tugushev, V.V. Laser action in semiconductors with a low density of carriers 9—64233
Kopaev, Yu.V. *see* Volkov, B.A. 9—78300
Kopainsky, B., Kaiser, W. Ultrafast fluorescence risetime of a polyatomic molecule in solution and under collision free conditions 9—98134
Kopainsky, J. *see* Brand, K.P. 9—55445
Kopaleishvili, T.I. Some problems of the pion multiple scattering theory on nuclei 9—49640
Kopan, V.S. *see* Tkachenko, V.G. 9—96140
Kopanskii, A.G. *see* Kobyakov, I.B. 9—98584
Koparanova, N.S., Mladenov, I. Study of IR radiation's restorative action on photoelectric sensitivity of CdS single crystals 9—60867
Kopcewicz, B., Kopcewicz, M. On the determination of sources of iron in atmospheric air by the Mossbauer technique 9—79442
Kopcewicz, M. *see* Kopcewicz, B. 9—79442
Kopczynski, W. Metric-affine unification of gravity and gauge theories 9—63109
Kopec, G. *see* Oppenheim, A.V. 9—59875
Kopecek, J. *see* Janacek, J. 9—57031
Kopecek, J. *see* Kolarik, J. 9—57033
Kopecky, V., Preinhaelter, J. The flute instability of a plasma driven by the electrostatic high-frequency eigenmodes. II. Analysis of the dispersion equation 9—60118
Kopecky, W.J., Parrino, P.A. Digital readout of feedback control temperature for use in local current field hyperthermia 9—70697
Kopeika, N.S., Eytan, G., Kushelevsky, A.P. Photoionization of excited atoms in DC gas discharges by low-intensity light and its analogy to gas-breakdown with high-intensity lasers 9—50904
Kopeikin, V.I. *see* Borovoi, A.A. 9—80822
Kopeliovich, B.Z. *see* Zamolodchikov, A.B. 9—97734
Kopell, B.S. *see* Pfefferbaum, A. 9—79500
Kopelman, R. *see* Ahlgren, D.C. 9—65914, 9—78010
Kopenen, B.L. The role of computers in quality assurance in the LLL criticality safety program 9—63765
Kopetskii, Ch.V., Kokhanchik, L.S. Recrystallisation of high-purity copper during annealing in a high-voltage electron microscope 9—100159
Kopetsky, Ch.V. *see* Baranova, G.K. 9—95543
Kop'ev, P.S. *see* Alferov, Zh.I. 9—64346, 9—89910
Kopezkii, Ch.V., Korzhov, V.P., Tulina, N.A., Shmidt, V.V. Superconductivity of tapes from compounds Nb_3Al and $Nb_3(Al, Ge)$, fabricated by simultaneous rolling 9—61016
Kopinga, K. *see* Huizinga, S. 9—82803
Kopinga, K. *see* Schouten, J.C. 9—61146
Kopp, G., Gutbrod, F. Dispersion theory for the $e^+e^- \rightarrow \rho e$ transition form factors 9—63495
Kopp, I. *see* Colin, R. 9—72332
Kopp, J. de Haas-van Alphen effect 9—99473
Kopp, J., McLachlan, D.S., Vekinis, G. Thermoelectric power of concentrated PdH 9—56201
Kopp, M.K. RC-encoding for position-sensitive proportional counters using low-resistance, metal wire anode and active load capacitance 9—54745
Kopp, R.A. *see* McWhirter, R.W.P. 9—92746
Koppel, H., Coulson, C.A. On the pure rotational spectrum of BF_3 in its vibronic ground state 9—63975
Koppel, L.N. *see* Auerbach, J.M. 9—98979
Koppel', T.A., Liiv, U.R. Experimental investigation of the development of motion of liquid in conduits 9—68809
Koppen, C.W.J.van *see* van Koppen, C.W.J.
Koppen, H. *see* Gutlich, P. 9—69675
Koppen, K. *see* Dittmann, H. 9—75486
Koppenaal, K., Sargent, A.I., Nordh, L., van Duinen, R.J., Aalders, J.W.G. Observations of new far infrared sources in the Cepheus OB3 molecular cloud 9—67072
Koppenwallner, G. *see* Boettcher, R.D. 9—94668
Koppitz, B. *see* Berger, C. 9—49519
Kopshin, V.V., Brzhezitskii, V.A., Pronenko, V.I. Highly accurate test apparatus for certifying high-voltage scale converters and kilovoltmeters at 50 Hz 9—80606
Kopsky, V. Extended integrity bases of irreducible matrix groups—the crystal point groups 9—69047
Kopsky, V. Clebsch-Gordan products and extended integrity bases of crystallographic double point groups 9—69048
Koptev, V.P. *see* Baturin, V.N. 9—85477
Koptsik, V.A. *see* Evlanova, N.F. 9—61322
Koptsik, V.A. *see* Gavrilova, N.D. 9—61317
Koptsik, V.A. *see* Kuzhukeev, Zh.-N.M. 9—60294
Koptsik, V.A. *see* Popova, T.V. 9—69787, 9—95715
Koptyaeva, G.B. *see* Suranov, G.I. 9—100265
Kopvillem, U.Kh., Prants, S.V. Formation of polarization echo and polarization avalanche signals in nonpiezoelectric dielectrics 9—61297
Kopvillem, U.Kh., Prants, S.V. Possibility of polarisation echoes and avalanches in non-piezoelectric materials 9—69767
Kopyakov, L.N. *see* Alipov, A.N. 9—92435
Kopyatkevich, R.M. *see* Avduyevskiy, V.S. 9—98796
Kopylov, A.A. *see* Berndt, V. 9—51527, 9—69869
Kopylov, A.A. *see* Glinskii, G.F. 9—73447
Kopylov, G.A. *see* Vershinina, L.I. 9—64962
Kopylov, I.M., Kumaigorodskaya, R.N., Snezhko, L.I., Sokolov, V.V., Chunakova, N.M. Hydrogen lines and atmospheric parameters of the magnetic variables α^2 Canum Venaticorum and HD 184905 9—97011
Kopylov, Yu.L., Kravchenko, V.B., Kucha, V.V., Sobolev, A.T. Optical homogeneity of dielectric single crystals for optoelectronic structures 9—82952
Kopylov, Yu.L. *see* Alekseev, N.E. 9—64236, 9—89914
Kopylov, Yu.L. *see* Avaeva, I.G. 9—78623
Kopylova, D.K. *see* Abdivaliev, A. 9—67569, 9—67570
Kopylova, E.A., Nikol'skaya, M.P., Romanov, G.A., Klyuchnikov, Yu.F., Zazubin, A.I. Use of IR spectroscopy to investigate the structures of zeolites and some of their gallium analogs 9—95744
Kopysov, Y.S. Solar neutrinos and the catalytic role of a third particle in hydrogen burning 9—80287
Kopystynska, A. *see* Allegrini, M. 9—98171
Kopytenko, Yu.A. *see* Buloshnikov, A.M. 9—53659
Kopytin, Yu.D. *see* Belyaev, E.B. 9—92040
Kopytin, Yu.D. *see* Godlevskii, A.P. 9—57343
Kopytov, I.P. Test reliability [measuring instruments] 9—75514
Kopytov, N.N., Mamleev, R.F., Shpindler, S.S., Landa, M.I. Universal apparatus for studying strength and deformation properties of a ceramic in a wide temperature range 9—57177
Kopytov, V.V. *see* Berkengeim, A.B. 9—75643
Kor, S.K., Khare, R.P. Ultrasonic attenuation in alkaline-earth metals 9—77686
Kor, S.K., Khare, R.P. Ultrasonic attenuation due to electron-phonon interaction in vanadium and tungsten 9—77687
Kor Koo Wee *see* Koo Wee Kor
Korablev, E.M. *see* Andreev, A.S. 9—76863
Korablev, E.M. *see* Proklov, V.V. 9—90032
Korablev, V.M. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Korablev, V.V., Maiorov, A.A. Crystal structure and physical and chemical properties at different parts of a solid surface 9—73386
Korableva, A.A., Dobruskin, V.Kh., Shchelokova, N.B. Dependence of the sorption properties of hydrated cerium oxide on its dehydration conditions 9—66345
Korableva, A.A., Salazkina, N.V., Andrusenko, I.M., Ovcharova, A.D. Adsorption of carbon dioxide by ferric hydroxide 9—66344
Korableva, E.Yu., Panachev, F.I. Installation for the measurement of scattering and depolarization of light by a liquid 9—93198
Korableva, S.L. Higher-order effects in the ESR spectrum of Er^{3+} ions in scheelite and perovskite crystals 9—99766
Korableva, S.L. *see* Abdulsabirov, R.Yu. 9—61243
Korableva, S.L. *see* Antipin, A.A. 9—95643
Koral, K.F., Rogers, W.L. Application of ART to time-coded emission tomography 9—92348
Koralkova, T.Yu. *see* Chuprunov, E.V. 9—90638
Koram, K.K., Sparrow, E.M. Turbulent heat transfer downstream of an unsymmetric blockage in a tube 9—55377
Koran, P., Gnettner, W. Determination of the electron density at the Cu nucleus in Cu-Au alloys 9—54408
Koran, P. *see* Ehrhart, P. 9—99519
Korbach, W. *see* Brandelik, R. 9—63491, 9—93441
Korbel, V. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Korber, G. *see* Anders, B. 9—75967
Korber, H.G. *see* Graubmann, S. 9—89317
Korbutyak, D.V. *see* Drazhan, A.V. 9—91499
Korbutyak, D.V. *see* Voltsit, V.V. 9—69887
Korbutyak, D.V. *see* Zuev, V.A. 9—69434
Korchagin, G.N. *see* Makarov, V.A. 9—96164
Korchagin, I.N. *see* Bulakh, E.G. 9—96750
Korchagina, A.Z. *see* Vorob'eva, L.M. 9—88926
Korchagina, N. *see* Fridkin, V.M. 9—95447
Korchagina, Yu.I. *see* Khromoi, Yu.D. 9—55601
Korchazhkin, V.V. *see* Gordienko, V.A. 9—56599
Korchevoi, Yu.P. The role of photorecombination of excited atoms in generation of molecular ions in discharged alkaline plasma 9—89779
Korchevoi, Yu.P., Lukashenko, V.I., Lukashenko, S.N. Photorecombination nature of the anomalous bright band (λ 5725 Å) emitted from a discharge potassium plasma 9—50088
Korchevoi, Yu.P., Makarchuk, V.N. Generation of ionized clusters in discharge potassium plasma 9—77448
Korchevoi, Yu.P., Makarchuk, V.N. The negative ion formation and decay in discharge potassium plasma 9—90374
Korchevoi, Yu.P. *see* Antonov, E.E. 9—55455
Korchin, V.A. *see* Lebedev, T.S. 9—96742
Korczynskyj, Y. A <0.1 μs response time carbon film bolometer detection system 9—63226
Korczynskyj, Y., Wyatt, A.F.G. Frequency upconversion in interacting phonon beams in liquid ^4He 9—55975
Korda, I.M. *see* Bushuk, B.A. 9—50289
Korde, M.S. *see* Sangaya, M. 9—84514
Kordonskii, V.I. *see* Demchuk, S.A. 9—81988
Kordonskiy, V.I. *see* Shul'man, Z.P. 9—77264
Kordos, P. New trends in the utilization of solar-to-electric energy conversion: MIS structures 9—83595
Kordos, P., Powell, R.A., Spicer, W.E., Pearson, G.L., Panish, M.B. Growth and properties of graded band-gap $Al_xGa_{1-x}As$ layers 9—60645
Kordulla, W. *see* Krause, E. 9—86416
Kordyban, E., Cuker, S. Measurement of pressure at the wavy gas-liquid interface 9—68837
Korec, J. Flow-graph model of epitaxial growth of $A^{III}B^{V}$ compounds from the vapour phase 9—56088
Korec, J. Flow-graph model of CVD process 9—78893
Korec, J. Experimental verification of the model of silicon epitaxy 9—95278
Koreç, J., Borkowicz, J. Model of gas phase etching of silicon with HCl 9—96165
Korecki, J. *see* Karas, W. 9—78573
Korecki, J. *see* Leja, E. 9—90914
Korekawa, M., Horst, W., Tagai, T., Joswig, W., Wenk, H.R. Structure determination of plagioclase (labradorite): Al/Si distribution in an An_{66} (neutron diffraction); superstructure of an An_{54} (X-ray diffraction) 9—94970
Koren, U., Zanelli, C. Resolution improvements for a phase switching interferometer 9—58271
Korenaga, S. *see* Iwasa, M. 9—57133
Koreneva, L.G., Viktorov, A.V., Barsukov, L.I., Zolin, V.F., Bergel'son, L.D. Luminescence spectra of complexes of europium formed at the surface of the vesicular phospholipid membranes 9—79478
Korenic, B. *see* Leidenfrost, W. 9—72781
Korenkov, A.G. *see* Kazarinov, N.M. 9—72206
Korenkov, A.G. *see* Voronkov, A.A. 9—72177
Korenman, G.Ya., Popov, V.P. Generalized Helm's model and radiative capture of pions by carbon 9—76023
Korenman, V., Prange, R.E. Landau-Lifshitz equation in itinerant electron ferromagnets 9—73729
Korenman, V., Prange, R.E. Lineshape and moment analysis of the dynamic susceptibility in ferromagnets. Iron above T_c 9—99693
Korenman, V. *see* Prange, R.E. 9—82745, 9—82746
Korennaya, L.N., Protasevich, M.E., Shevchik, T.I. Reception of discrete phase-pulse modulated signals by methods close to the optimal 9—94171
Korennoi, B.P. *see* Silyuk, V.F. 9—52608
Korenowski, G.M., Albrecht, A.C. On the librational broadening of molecular transitions in liquids. The fifth C-H stretching local mode overtone in benzene 9—51939
Korenowski, G.M. *see* Champion, P.M. 9—94004
Korepanov, V.E. *see* Zhulin, I.A. 9—66738
Korepanova, N.A. *see* Orlova, G.M. 9—65210
Korepin, V.E. *see* Izergin, A.G. 9—93296
Koresawa, S. *see* Kasahara, J. 9—79749
Koreshev, V. *see* Ammosov, V. 9—71737
Koreshev, V.I. *see* Berge, J.P. 9—71741
Koreshev, V.I. *see* Efremenko, V.I. 9—75763
Korets, A.Ya. *see* Averyanov, E.M. 9—77518
Koretskaya, S.T. *see* Kandyba, P.E. 9—56400
Koretskii, Ya.P. *see* Grigo'yan, G.M. 9—64216
Koretune, S. The relation between the sea quark distribution and the pomeron 9—63441
Koretz, J.F. Structural studies of synthetic filaments prepared from column-purified myosin 9—92131
Koretz, J.F. Effects of C-protein on synthetic myosin filament structure 9—92132
Korff, D. *see* Salesky, E.T. 9—89714
Korgul, P. *see* Dubiel, S.M. 9—99806
Korinevskii, N.A. *see* Stasyuk, I.V. 9—51210
Korjitnikov, S.N. Astronomer-observer M.V. Lyapunov 9—88789

Korkhmazyan, N.A. *see* Gevorgyan, L.A. 9—59624
Korman, C.S., Lau, J.C., Johnson, A.M., Coleman, R.V. Studies of aromatic-ring compounds adsorbed on alumina and magnesia using inelastic electron tunneling 9—59521
Kormer, S.B., Nikolaev, V.D., Urlin, V.D. Divergence of the radiation from a Raman laser with a slowly relaxing active medium 9—98352
Kormer, S.B. *see* Bessarab, A.V. 9—98941
Kormer, S.B. *see* Dolgopolov, Yu.V. 9—59769
Kormer, S.B. *see* Grasyuk, A.Z. 9—89965
Kormer, S.B. *see* Vyskubenko, B.A. 9—64250
Kormicki, J. *see* Alkhazov, G.D. 9—75957
Kormos, D. *see* Koenig, J.L. 9—96377
Korn, D., Pfeifle, H. Optical properties of amorphous SnCu and SnAu alloys 9—69895
Korn, D., Pfeifle, H., Zibold, G. Optical properties of metastable CuFe solid solutions 9—83044
Korn, D., Schilling, D., Zibold, G. Magnetic susceptibility of metastable AuCo solid solutions 9—61081
Korn, D., Schilling, D., Zibold, G. Magnetic properties of AuCo solid solutions and frequency dependent susceptibility maximum 9—69655
Korn, D. *see* Blasberg, E. 9—91159
Korn, D. *see* Zibold, G. 9—54160
Korn, D.M., Johnson, S.P., Nelson, O.L., Ziegler, J. A method of electronic readout of electrophotographic and electroradiographic images 9—71554
Korn, G. *see* Mory, S. 9—59720
Korn, K. *see* Gallenberger, H. 9—87943
Korn, P. *see* Robertson, S.H. 9—73037
Kornatski, L. *see* Aleksandrov, E. 9—93166
Kornberg, H. *see* Zimmer, H.-G. 9—84064
Kornberg, R.D. *see* Prunell, A. 9—79467
Kornblit, L. Elastic calculation of self-migration energy in HCP metals 9—95205
Korneev, A.E. *see* Ivanov, S.A. 9—61318
Korneev, V.V., Ulinich, F.R., Usov, N.A. Screening of an electric field and of the Coulomb interaction in quantized films located in strong magnetic fields 9—69611
Korneeva, N.N. *see* Kleshchev, A.S. 9—52250
Korneichuk, V.A., Kupchenko, G.A. Impact ionization of excitons in CdS 9—56266
Kornelsen, E.V. *see* Hobson, J.P. 9—85147
Korner, A., Prinz, F., Schmid, H. Asymmetrical equilibrium positions and line tensions of composite dislocations 9—51108
Korner, H.J., Hillis, D.L., Roulet, C.P., Aguer, P., Ellegaard, C., Fossan, D.B., Habs, D., Neiman, M., Stephens, F.S., Diamond, R.M. Angular momentum selection using total gamma-ray energies 9—89221
Korner, H.J. *see* Essel, H. 9—67705
Korner, H.J. *see* Rehm, K.E. 9—97725
Korner, H.J. *see* Sperr, P. 9—67775
Korner, H.J. *see* Zierl, R. 9—63701, 9—85835
Korner, J.G. *see* Ali, A. 9—49459, 9—63492, 9—75746
Korneyev, A.I. Similitude postulates in the theory of turbulent cocurrent flow 9—98698
Korneyeva, I.L., Aksentsev, S.L., Okun', I.M., Rakovich, A.A., Livshits, I.B., Konev, S.V. Thermal structure rearrangements in the membranes of lipid cells 9—92163
Kornieko, L.S. *see* Dianov, E.M. 9—94356
Kornienko, L.A., Nikolaenko, A.A., Taranenko, I.A. Recrystallization of ultra fine-grained beryllium 9—52239
Kornienko, L.S. *see* Gur'yanov, A.N. 9—64345
Kornienko, N.E. *see* Dmitriev, V.G. 9—64285
Kornienko, P.A. *see* Pugin, V.S. 9—66219
Kornilov, I.E. *see* Selezov, I.T. 9—77201
Kornilov, S.G. One-beam spectrophotometer with two radiation detectors 9—71536
Kornilov, S.T. *see* Gonchukov, S.A. 9—64249
Kornilov, V.G., Cherepashchuk, A.M. Narrow-band photoelectric observations of V1357 Cyg (Cyg X-1) and AM Her (4U 1813+50) 9—88767
Kornilov, V.G., Cherepashchuk, A.M. Period variation in the system V444 Cyg and mass loss by the Wolf-Rayet star 9—101178
Kornilov, V.I., Kharitonov, A.M. Interaction between turbulent boundary layers in a right dihedral corner 9—86414
Kornilova, Z.I., Lazarev, E.M., Mogutova, T.V., Nartova, T.T. Investigation into influence exerted on creep resistance and scaling resistance of alloys based on Ti_3Al compound by alloying with tin and zirconium 9—52302
Kornitskii, A.G., Levonovich, B.N., Kireev, P.S., Iofis, B.G., Gordienko, E.V. Luminescence of CdSe single crystals doped with phosphorus and nitrogen ions 9—87493
Kornreich, P.G., Kowel, S.T., Mahapatra, A., Mehter, M. Monolithic two-dimensional Fourier transformer 9—72516
Kornreich, P.G. *see* Kowel, S.T. 9—50244, 9—72514
Kornum, L.O. Rheological characterization of coatings with regard to application and film formation 9—77970
Kornyushkin, N.A. *see* Zakharov, A.K. 9—56323
Kornyushkin, Yu.D. Calculation of average values in a phenomenological description of the interaction of charged particles with matter 9—68173
Korobeinikov, S.N. *see* Baev, L.V. 9—100220
Korobeinikov, V.P., Markov, V.V., Putyatin, B.V. Propagation of cylindrical detonation waves with allowance for radiation and a magnetic field 9—64796
Korobeinikov, V.P., Soshnikov, V.N. Mechanism for the flash under the effect of monochromatic radiation on metal surfaces 9—95878
Korobeinikova, I.E. *see* Atoyan, V.V. 9—91893
Korobeinikova, V.N., Kazakov, V.P., Antonova, L.F., Lotnik, S.V. Ionomer radiothermoluminescence. Copolymers of styrene with methacrylic acid whose protons have been replaced by lanthanide ions (Tb^{3+}, Dy^{3+}, and Eu^{3+}) 9—95856
Korobetskii, V.N. *see* Akatov, Yu.P. 9—87769
Korobeyshchikov, V.V. *see* Namazov, S.A. 9—88547
Korobkin, M. *see* Goldberg, H.I. 9—92310
Korobkin, V.V., Motylev, S.L. Spontaneous magnetic fields of a dipole configuration in a laser plasma 9—77411
Korobkin, V.V. *see* Amosov, A.A. 9—89976
Korobkin, V.V. *see* Brodov, M.E. 9—98427
Korobkin, V.V. *see* Vlasov, D.V. 9—64265, 9—86224
Korobko, V.I., Malaya, E.M., Shashmin, V.K. Aerodynamics of flow in a plane duct with sudden expansion 9—94722
Korobko, Ye.V. *see* Shul'man, Z.P. 9—77100
Korobkov, M.E. Informational content of derivative spectra 9—96390
Korobov, A.I. *see* Brazhkin, Yu.A. 9—64380
Korobova, I.L. *see* Vedernikov, M.V. 9—65449
Korochkin, L.S., Mikhnov, S.A. Increasing the probability of total mode self-synchronization in a ruby laser 9—64259
Korochkin, L.S., Mikhnov, S.A. Variation of the parameters of IFP-1200 flash lamps under different discharge conditions 9—94313
Korolenko, P.V., Markova, S.N., Khapaev, A.M. Calculation of laser-beam diffraction in the near and far zones 9—94274
Korolev, A.E. *see* Vorzobova, N.D. 9—68372
Korolev, A.P. *see* Finkel, V.M. 9—51116, 9—100239
Korolev, A.V. *see* Ermolenko, A.S. 9—87287
Korolev, F.A., Afonnikov, N.A., Grin, L.E., Lebedeva, V.V., Odintsov, A.I. Frequency selection of ion lasers using an inclined Fabry-Perot etalon 9—55161
Korolev, F.A., Klement'eva, A.Yu., Bakanov, D.G. Use of interference contrast systems to investigate faint radiation 9—67393
Korolev, F.A., Salimov, V.M., Tsurikova, M.V. Longitudinal-mode locking of an argon laser in a three-mirror cavity 9—55164
Korolev, F.A., Vokhnik, O.M., Odintsov, V.I. Amplification of the first Stokes stimulated Raman component in a pump field with a broad angular spectrum 9—98443
Korolev, L.E. *see* Basargin, Yu.G. 9—54628
Korolev, L.E. *see* Belyakov, V.A. 9—54717
Korolev, M.V. Piezoelectric transducers with surface excitation 9—76935
Korolev, M.V. Surface excited piezotransducers 9—94447
Korolev, M.V. Excitation of piezoelectric transducers at odd subharmonics 9—98583
Korolev, N.A. *see* Danil'chik, L.N. 9—55749
Korolev, N.M. *see* Stotskii, G.I. 9—86173
Korolev, N.V., Mel'nikov, A.I. The effect of temperature on the wear resistance of hardfacing alloys in impact abrasive loading 9—87737
Korolev, N.V. *see* Levina, M.D. 9—99963
Korolev, P.V. *see* Gogolev, I.G. 9—86439
Korolev, V.D., Peskovatskii, S.A., Shulga, V.M. Spin-lattice relaxation in fast neutron irradiated quartz at helium temperatures and below 1K 9—78519
Korolev, V.D. *see* Ivanov, M.I. 9—93861
Korolev, V.M. *see* Vetrov, V.S. 9—61890
Korolev, Yu.G. *see* Berezhnoi, A.A. 9—81554
Koroleva, L.I., Tovmasyan, L.N., Shestakova, G.M., Kalinnikov, V.T., Babitsyna, A.A. Singularities of the electrical properties of the compound $CuCr_2Se_{4-x}Br_x$ ($0.1 \leq x \leq 0.6$) 9—91078
Koroleva, V.V. *see* Shpil'rain, E.E. 9—99299
Korolkoff, N.O. *see* Zeto, R.J. 9—100279
Korolkov, D.V., Pariiskii, Yu.N. The Soviet RATAN-600 radio telescope 9—88596
Korol'kov, V.A., Malov, Yu.I., Markov, A.A. Method of measuring electron work function in inert medium 9—49250
Korol'kov, V.I. *see* Alferov, Zh.I. 9—91133
Koroluk, J.M. *see* Parsons, J.R. 9—79691
Koronkevich, V.P. *see* Dontsova, V.V. 9—98310
Koronkevich, V.P. *see* Dubnishchev, Yu.N. 9—77305
Koropp, J. *see* Busse, H. 9—61806
Koros, W.J., Paul, D.R. Transient and steady-state permeation in poly(ethylene terephthalate) above and below the glass transition 9—73340
Korostelev, A.A., Fateev, V.F. Electrodynamics of moving media in noninertial coordinate systems as applied to processes in a ring cavity 9—53990
Korostelev, V.F., Epik, A.P. Effect of stressed state on the softening of die steels 9—66168
Korostil, A.M. *see* Pan, V.M. 9—60463
Korotaev, V.V. Method of calculating state of polarisation of optical radiation when passing through mirror and prism systems 9—98458
Korotayev, G.K., Panteleyev, N.A. Experimental studies of hydrodynamic instability in the ocean 9—53354
Korotayev, S.M. *see* Trofimov, I.L. 9—62480
Korotchenko, A.I., Samokhin, A.A. Taking into account hydrodynamic effects in thermal model of vaporisation of condensed media under action of intense electromagnetic radiation 9—69922
Korotchenko, A.I., Samokhin, A.A., Uspenskii, A.B. Behavior of the absorptivity of metals under the action of laser radiation 9—95724
Korotchenko, V. *see* Bell, T. 9—94823
Koroteev, N.I., Endemann, M., Byer, R.L. Resolved structure within the broad-band vibrational Raman line of liquid H_2O from polarization coherent anti-Stokes Raman spectroscopy 9—85963
Koroteev, N.I. *see* Aslanyan, L.S. 9—71511, 9—98110
Korotkii, A.A. *see* Volodyagin, Yu.S. 9—97943
Korotkikh, T.N. *see* Komarov, N.S. 9—62760
Korotkikh, V.L., Lanskoi, D.E. Deformation of the mass spectrum of hadronic system in coherent production on deuteron 9—93394
Korotkin, Y.S. *see* Flerov, G.N. 9—96781
Korotkina, D.Sh. *see* Rapoport, Yu.M. 9—98582
Korotkina, M.R. Thermodynamics of media having internal structure 9—88901
Korotkov, K.G. *see* Ban'kovskiy, N.G. 9—83092
Korotkov, M.A. *see* Demkin, N.B. 9—56049
Korotkov, P.A. *see* Kondilenko, I.I. 9—73924, 9—94342
Korotkov, V.A. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Korotkov, V.G. *see* Pevtsov, V.V. 9—71983
Korotkov, V.P., Neidlin, Yu.M., Robachevskii, M.V., Chernova, L.F. OAP-5M-micromodular version of the OAP-5 optoacoustic infrared radiation detector 9—49291
Korotkova, V.N., Smirnov, E.I. Lamination in sheet glass produced by different methods 9—61555
Korovin, L.I., Pavlov, S.T., Eshpulatov, B.E. Magnetooptic absorption in semiconductor surface layers with the participation of optical phonons 9—99858
Korovina, N.V. *see* Emlin, R.V. 9—73909
Korp, J.D. *see* Mullica, D.F. 9—77568
Korpel, A. Two-dimensional plane wave theory of strong acousto-optic interaction in isotropic media 9—76580
Korpela, S.A. *see* Amlin, D.W. 9—76948
Korpikiewicz, H. Meteoritic shower Morasko 9—70801
Korpikiewicz, H. Meteoritic falls and craters 9—88630
Korsch, D. High performance extreme ultraviolet (EUV) telescope 9—58245
Korsch, D. Two-mirror grazing incidence telescopes with one conical surface 9—84673
Korsch, H.J. Semiclassical densities in phase space: Wigner's distribution function for thermodynamic equilibrium 9—58565
Korsch, H.J. On the forced harmonic oscillator model for V-T energy transfer in triatomic reactions 9—59540
Korsch, H.J. A new semiclassical expansion of the thermodynamic partition function 9—84993
Korsch, R.J. The use of inflection surfaces in descriptions of folds 9—88324
Korshak, B.A., Lyamov, V.E., Solodov, I.Yu. Frequency doubling of the two-pulse and three-pulse echoes in surface acoustic waves 9—69335
Korshak, B.A. *see* Vetrov, N.Yu. 9—55238
Korshak, V.V. Some problems of polycondensation 9—57230
Korshak, V.V., Chalykh, A.E., Kozyreva, N.M., Kirilin, A.I., Serezhechkina, Yu.N. Regularities of the formation of polystyrene hollow microspheres 9—57307
Korshak, V.V., Gribova, I.A., Pavlova, S.-S.A., Gribkova, P.N., Avetisyan, Yu.L., Mgeladze, B.M., Genin, Ya.V., Chumaevskaya, A.N. The effect of chemical structure on the antifrictional properties of carborane-containing polyamides 9—57123
Korshak, V.V., Kozyreva, N.M., Menchikova, G.N., Gorshkova, A.V., Grigoryan, E.A., Diachkoveskii, F.S. The heterogeneity of polymeric units caused by the presence of isotopes 9—55017
Korshak, V.V. *see* Aleksandrova, T.A. 9—60260
Korshak, V.V. *see* Godovskii, Yu.K. 9—55895
Korshak, V.V. *see* Rogovina, L.Z. 9—65010
Korshak, V.V. *see* Storozhuk, I.P. 9—55915
Korshak, V.V. *see* Timofejeva, G.I. 9—61862
Korshak, V.V. *see* Tsvetkov, V.N. 9—55643
Korshak, V.V. *see* Vygodskii, Ya.S. 9—57231

Korshover, J. *see* Angell, J.K. 9—53474, 9—58018
Korshunov, A.S. *see* Khlestkin, D.A. 9—90339
Korshunov, I.A. *see* Chernorukov, N.G. 9—55726
Korshunov, L.G., Khadyev, M.S., Nemirovskii, M.R. Hardening mechanism of steel 110G13 during friction 9—96152
Korshunov, L.G. *see* Bogachev, I.N. 9—52444
Korshunov, V.A. Determination of the phonon density of states from thermodynamic functions of a crystal. Niobium and tantalum 9—82291
Korshunov, V.A. Phonon density of states in gallium antimonide 9—90744
Korshunov, V.A. Anharmonic components of specific heats of the transition metals of the V and VI groups 9—91183
Korshunov, V.A. *see* Malikov, G.K. 9—72960
Korsukov, V.E., Kuz'minova, L.P., Tsobkallo, E.S. Lifetime of polymers under small loads 9—95301
Korsunskii, M.I., Volchek, A.D., Dzhaizakov, V.M. Measurement of temperature using a detector consisting of a double-layer As_2Se_3-HgSe system 9—88952
Korsunskii, M.M., Trubnikov, B.A. Optimum piston-free gas thermal compressor 9—54152
Kortan, A.R., Cohen, P.I., Park, R.L. Order-disorder transition of oxygen on (111) nickel 9—82447
Korte, F. *see* Gab, S. 9—53408
Kortelahti, M. *see* Honkanen, J. 9—49607
Korthaus, E. *see* Durr, K. 9—81015
Korting, H.J., Klagge, E., Herrmann, B., Brunnemann, H., Vogt, K.H., Hartmann, M., Voss, G.R. Quality determination of FITC test serums with the help of the FLUOVAL photometrie fluorescence microscope photometer 9—53290
Kortov, V.S., Gaprindashvili, A.I., Saenko, G.P. Exoelectronic emission properties and energy-band parameters of zirconium oxide films 9—91571
Kortunov, N.P. *see* Manoilo, A.M. 9—90355
Korty, B. *see* Miller, A.J. 9—84430
Korty, F.W., Brun, T.O., Kouvel, J.S. Quadrupolar interactions in DySb above T_N 9—78304
Kortz, H.P. *see* Ifflander, R. 9—59736
Korwar, V.M. *see* Patil, D.C. 9—81195
Koryachenko, V.D. *see* Bobrov, V.T. 9—79205
Koryagin, N.I., Sigalov, Yu.M., Malevskii, Yu.N., Malykhin, A.I. Production and use of rolled-welded panels of aluminum alloys for solar water heaters of hot water supply and cooling systems 9—96421
Koryagin, V.F. *see* Karpov, I.I. 9—78719
Koryagina, E.I. *see* Buzhinskii, I.M. 9—94309
Koryakin, Yu.I. *see* Baturov, B.B. 9—76089
Korytnaya, F.M. *see* Degtyarev, P.A. 9—65058
Korytnikova, S.N. The letters of A.M. Lyapunov to D.I. Dubiago (1888-1889) 9—88790
Korzeniewski, G., Metiu, H. Vibrational spectroscopy of matrix isolated diatomics: the infrared line shape 9—72307
Korzh, A.P. *see* Barannik, V.P. 9—85349
Korzhavina, I.A. *see* Boos, E.G. 9—89203
Korzhenevskii, A.I., Shalaev, B.N. Effect of fluctuations on the properties of the nematic liquid crystal-isotropic liquid phase transition 9—86879
Korzhev, A.A. Influence of seal composition of the standards on density log readings 9—74989
Korzhev, N.A. *see* Abdivaliev, L. 9—93568
Korzhev, V.A. *see* Deryagin, B.V. 9—69320, 9—94503
Korzhov, N.P. Superlarge-scale magnetic field of the Sun 9—66974
Korzhov, N.P. *see* Voitovich, L.N. 9—94690
Korzhov, V.I. *see* Astakhov, V.M. 9—65340
Korzhov, V.P. *see* Dukhovyi, I.S. 9—69643
Korzhov, V.P. *see* Kopezkii, Ch.V. 9—61016
Korzhuev, M.A., Arakcheeva, A.V. Anisotropy of the electrical properties of γ-GeTe 9—73515
Korzhuev, M.A. *see* Abrikosov, N.Kh. 9—52177
Korzhuev, M.A. *see* Karpinskii, O.G. 9—51250
Korzo, V.F., Epaneshnikova, I.K. Temperature dependence of Cu-Al_2O_3 cermet films 9—87166
Korzo, V.F. *see* Espaneshnikova, I.K. 9—99437
Korzunin, G.S., Uvarova, M.P. Accuracy in determining texture with a magnetic texture gauge 9—66238
Korzunin, Yu.K. *see* Egorov, Yu.P. 9—87767
Kos, J. *see* Marek, J. 9—57422
Kos, J.F., Barton, R.J. Determination of the ideal resistivity and of the deviation from Matthiessen's rule in gold below 40K 9—99526
Kosa Somogyi, I. *see* Vassilyev, V.A.V. 9—83025
Kosachevskii, L.Ya., Kristya, V.I. Electrostatic field of a disk near a plane ring 9—64167
Kosaganova, N.Yu. *see* Kerimov, T.M. 9—57563
Kosai, K., Fitzpatrick, B.J., Grimmeiss, H.G., Bhargava, R.N., Neumark, G.F. Shallow acceptors and p-type ZnSe 9—99572
Kosaka, M. *see* Asahina, T. 9—57486
Kosakai, T. *see* Sasaki, T. 9—83586
Kosaki, M. *see* Shimizu, N. 9—99947
Kosakov, A. *see* Neumann, H. 9—77976
Kosakov, I.Kh. *see* Avakyan, R.O. 9—59051, 9—75970
Kosaly, G., Kostic, L., Miteff, L., Varadi, G., Behringer, K. Investigation of the two-phase flow in a boiling water reactor using neutron-dose technique 9—54530
Kosanke, K. Survey of uranium exploration and assessment technology 9—53564
Kosarev, A.I. *see* Butusov, M.M. 9—91546
Kosarev, G.L. *see* Kendzera, A.V. 9—96743
Kosarov, D. *see* Gerilovsky, L. 9—79501
Kosasa, K. *see* Nakajima, S. 9—59739
Kosbahn, B. *see* Ristow, D. 9—92614
Kosch, P.C., Gillespie, J.R., Berry, J.D. Respiratory mechanics in normal bonnet and rhesus monkeys 9—83827
Kosch, P.C., Gillespie, J.R., Berry, J.D. Flow-volume curves and total pulmonary resistance in normal bonnet and rhesus monkeys 9—83828
Koschel, W.H. *see* Kaufmann, U. 9—73806
Koschitzky, H.von *see* von Koschitzky, H.
Koschmieder, E.L. Turbulent Taylor vortex flow 9—81898
Kose, K., Ueki, A., Iida, S. Study of single crystal Fe_2TiO_4 by the measurement of magnetization and Mossbauer spectra 9—87244
Kose, S. *see* Iwasa, M. 9—57133
Kosek, F. *see* Gazso, J. 9—78106
Kosenko, E.K. *see* Bal'kyavichyus, P.I. 9—59762
Kosevich, A.M. Kinematics and dynamics of motions faster than the speed of light 9—71247
Kosevich, A.M., Ivanov, B.A., Kovalev, A.S. Magnon drops: a new type of collective excitations of ferromagnet 9—61093
Kosevich, A.M. *see* Ivanov, B.A. 9—78437
Kosevich, V.M., Baizul'din, B.M. Faceted structure of twin boundaries {11$\bar{2}$} in silver 9—99215
Kosevich, V.M., Sokoi, A.A., Bagmut, A.G. Structure of spherulitic cyrstals of Sb_2S_3, revealed by direct resolution of the lattice 9—94982
Kosfeld, R., Borowitz, J. Dynamic-mechanical and calorimetric study of a phenolic resin-rubber mixture 9—77732
Koshcheev, V.N. *see* Alekseev, P.N. 9—97752
Koshelets, V.P. *see* Gubankow, V.N. 9—56421
Koshelets, V.P. *see* Vystavkin, A.N. 9—73644
Koshelev, F.P. *see* Darymov, V.I. 9—51401
Koshelev, O.G. *see* Kazanskii, A.G. 9—82629
Koshelev, P.F. *see* Merenkova, R.F. 9—57071, 9—66132
Koshelev, V.I. Dispersion of the cathode plasma in a transverse magnetic field 9—98997
Koshelev, V.V. Variations of transport conditions and winter anomaly in the D-ionospheric region 9—66864
Koshelev, V.V., Fedchenko, S.G. Ion structure and the phenomenon of the winter anomaly in the D region of the ionosphere 9—62660
Kosheleva, M.N. *see* Gorelik, S.S. 9—96038
Kosheleva, O.A. *see* Dravskikh, A.F. 9—101082
Kosheleva, O.N. *see* Dravskikh, A.F. 9—80205
Koshel'kov, V.A. *see* Konenkov, N.V. 9—50915
Koshevoi, N.S. *see* Mikitishin, S.I. 9—52252
Koshi, A. *see* Taoka, T. 9—70259, 9—100320
Koshiga, F., Sugano, T. The anodic oxidation of GaAs in an oxygen plasma generated by DC electrical discharge 9—66188
Koshigiri, K., Nishimura, M., Ohtsubo, H., Morita, M. Beta-ray spectra of ^{12}B and ^{12}N and conserved vector current 9—54409
Koshijima, T. *see* Nakajima, T. 9—76153
Koshiko, N., Kunimasa, T. Metastable states in a field theory 9—97501
Koshimura, M. *see* Takahashi, M. 9—51886
Koshkarov, A.L. *see* Barbashov, B.M. 9—49493
Koshkina, E.N., Lyamov, V.E., Mamatova, T.A. Reflection of acoustic waves in the case of conical refraction 9—95090
Koshmarov, Yu.A., Ivanov, A.E., Baklanov, N.M., Kupriyanov, V.I. A method for measuring the nonstationary temperature of a gas 9—80620
Koshparenok, V.N., Melezhik, P.N., Shestopalov, V.P. Quasidipole radiation of two circular cylinders with longitudinal slits 9—72468
Koshtoev, V.V., Lerman, E.Ya. Automatic measurement of the ionization of streamer tracks 9—68136
Koshurinov, Ye.I. *see* Aleksandrovich, G.Ye. 9—81640
Koshy, J., Ogbonna, C.C. Etching of synthetic barium fluoride single crystals 9—95018
Kosichkin, Yu.V. *see* Anzin, V.B. 9—76714
Kosietski, A. Selected problems of the seismic migration velocity estimation 9—66622
Kosilov, A.T., Vasilenko, A.Yu. Strain-rate dependence of the width of the hysteresis loop of the thermo-elastic transformation $\beta_1 \rightleftarrows \beta_1'$ in the system Cu-Al-Ni 9—100138
Kosilov, N.S. *see* Raskostov, V.N. 9—87787
Kosinov, V.N. *see* Galochkin, V.T. 9—76432
Kosinov, V.N. *see* Vasil'ev, B.I. 9—89721
Kosinski, P., Maslanka, P. Infrared singularities at exceptional external momenta 9—58861
Kosinski, W., Valanis, K.C. Intrinsic physical limits to the theory of materials with memory 9—64523
Kosivtsov, N.E. *see* Evsyukov, F.F. 9—66247
Koski, W.S. *see* Frees, L.C. 9—61843
Koski, W.S. *see* Sondergaard, N.A. 9—98214
Kos'kin, Yu.P., Sobashnikov, A.D. Investigation of superconducting magnetic systems using experiment planning 9—67352
Kosloff, D.D. *see* Cole, D.M. 9—63036
Kosma, B. *see* Gordiets, B.F. 9—89935
Kosmach, V.F. *see* Balashov, A.P. 9—73217
Kosman, E.G. The cost impact of restrictive lens tolerances 9—81507
Kosmas, M.K. *see* Freed, K.F. 9—93087
Kosminskaya, I.P. *see* Malahoff, A. 9—53331
Kosmodamians'kii, A.S., Storozhev, V.I. Oscillations of multiply connected thick plates in nonclassical statement 9—94525
Kosolapov, A.I. Optimal contrast of X-ray photographs of a painting 9—97459
Kosolapov, S.V. *see* Budnikov, V.I. 9—89353, 9—97749
Kosolapova, T.Ya. *see* Domasevich, L.T. 9—51754
Kosolapova, T.Ya. *see* Kuzenkova, M.A. 9—100097
Kosolobov, S.N., Sokolovskii, R.I. Parametric scattering at the interface between two media 9—59767
Kosolobov, S.N., Sokolovskii, R.I., Tyurin, E.L. Shock mechanism for dissipation of laser energy in a transparent dielectric with microscopic inclusions and impurities 9—69925
Kosolobov, V.N. *see* Arushanov, S.Z. 9—87530
Kosonogov, N.A. *see* Fridkin, V.M. 9—95447
Kosorin, D. Nonbalanced Wheatstone bridges with magnetodiodes and their use in measurement technology 9—80644
Kosorygin, V.S. *see* Polyakov, N.F. 9—68689
Kosov, A.V. *see* Shatskaya, L.S. 9—77601
Kosov, A.V. *see* Tarasova, L.S. 9—99201
Kosov, M.V. *see* Bayukov, Yu.D. 9—49538
Kosov, N.D. *see* Bogatyrev, A.F. 9—81696
Kosov, N.D. *see* Karpushin, A.G. 9—81707
Kosova, I.I. *see* Zhabrev, V.A. 9—65231
Kosovskii, L.A. Acoustooptical simulator of a Doppler signal 9—80684
Kosower, E.M. *see* Huppert, D. 9—85998
Kosowski, R. *see* Larson, R.E. 9—58041
Koss, T. *see* Nishimura, J. 9—80153
Kossakowska-Kisiel, Z., Czarnecka-Such, E., Kisiel, A., Ignatowicz, S.A., Szummer, A. Investigations of surface irregularities of aluminium thin films evaporated onto rough quartz substrates 9—90920
Kossarskii, Yu.S. *see* Golod, I.S. 9—89027
Kosse, V.I., Obodovskii, B.A. Natural frequencies of a circular cylindrical shell reinforced by ring corrugations 9—55336
Kossecka, E. On a crack problem 9—68639
Kossel, H. *see* Schwarz, Z. 9—70518
Kossin, G.S. Differential determination of declinations from observations with the vertical circle 9—96888
Kossler, W.J., Fiory, A.T., Lankford, W.F., Lynn, K.G., Minnich, R.P., Stronach, C.E. Magnetic field on the μ^+ in Ni doped with 0.76 at.% Cu or with 0.76 at.% Co from 5 to 330K 9—56665
Kossler, W.J., Fiory, A.T., Lankford, W.F., Lynn, K.G., Minnich, R.P., Stronach, C.E. μ^+ depolarization measurements of Al alloyed with 0.1 at.% Ag, Cu, Mg, Si, and Zn 9—56697
Kossler, W.J. *see* Brown, J.A. 9—56685
Kossmann, H. Boundary-value technique for the numerical solution of periodic parabolic problems 9—94460
Kossova, K.A. *see* Gubaryenko, L.A. 9—74969
Kossova, N.F., Leikina, L.Ya., Metel'nikov, A.A., Sidel'nikova, Z.I. Grating-polarizer for the infrared spectral region 9—55221
Kossut, J. *see* Dobrowolska, M. 9—56249
Kossyi, H.A. *see* Askar'yan, G.A. 9—76548
Kost, C.J. *see* Blackmore, E.W. 9—54710, 9—72060
Kost, C.J. *see* Craddock, M.K. 9—54728
Kost, D., Schlegel, H.B., Mitchell, D.J., Wolfe, S. Molecular orbitals from group orbitals. IX. The problem of hybrid lone pairs 9—89608
Kost, M.E. *see* Bashkin, I.O. 9—52174
Kosta, S.P., Goel, P.S., Pakti, A.V. Plane mirror concentrators for geosynchronous satellites 9—96474
Kostadinov, K.N. *see* Kuleff, I. 9—53010
Kostamarov, D.N. *see* Dnestrovskii, Yu.N. 9—98879
Kostanyan, K.A., Dzhavadyan, V.G. Effect of oxides of alkaline earth metals on physicochemical properties of borogermanate glasses 9—65827
Kostanyan, K.A. *see* Akopyan, A.R. 9—58691, 9—58693
Kostanyan, K.A. *see* Lor'yan, S.G. 9—65487
Kostarev, A.I., Kovalenko, A.P. Certain theoretical aspects of solid electrolyte phase transitions to the state of anomalous high ionic conductivity 9—51304
Kostelecky, J., Klokocnik, J. 30th-order harmonics from resonant inclination variations of ten satellites 9—84071
Kostenko, B.F. *see* Barashenko, V.S. 9—80903
Kostenko, V.I. *see* Matveyenko, L.I. 9—75257
Koster, E. *see* Watton, A. 9—73839
Koster, U. *see* Ho, P.S. 9—78186

Koster, W.G. Patient monitoring in the operating theatre 9—92422
Kosterin, A.V., Aleksandrovskii, A.A., Sharafutdinov, V.F. Flow analysis of viscoelastic liquid film in a rotational mixer 9—90291
Kosters, J.J., Murcray, D.G. Change in the solar constant between 1968 and 1978 9—75172
Kostetskaya, N.B. *see* Kostetskii, B.I. 9—52484
Kostetskii, B.I., Karaulov, A.K., Kostetskaya, N.B., Romanov, V.S., Khalyavka, E.P. Electron microscopy of secondary structures on load-bearing surfaces of metals and plastics 9—52484
Kostial, H. *see* Asche, M. 9—51596, 9—78111
Kostic, L. *see* Kosaly, G. 9—54530
Kostic, M.M., Hawbolt, E.B. Morphology and structure of bainite plates in the β′ phase of an Ag-45 at. pct Cd alloy 9—52213
Kostik, B.F. *see* Freik, D.M. 9—87587
Kostik, G.E., Shiryaeva, N.M. Choice of criteria for quasiequilibrium and quasifrozen flow of a chemically reacting mixture $N_2O_4 \rightleftarrows 2NO_2 \rightleftarrows 2NO + O_2$ with isobaric heating (cooling) 9—68824
Kostik, R.I., Orlova, T.V. On the microturbulence in the solar photosphere 9—75189
Kostikov, L.E. *see* Burdanov, N.G. 9—94712
Kostikov, V.I., Dainyak, B.A. Kinetics of process of interdiffusion in W-Zr systems 9—69298
Kostikov, V.I. *see* Anikeev, E.F. 9—82417
Kostikov, Yu.P. *see* Leonov, A.I. 9—51269
Kostikov, Yu.P. *see* Seregin, P.P. 9—65979
Kostin, A.A. *see* Baksht, F.G. 9—77430, 9—77431
Kostin, A.I. *see* Apshev, S.Zh. 9—80165
Kostin, A.K., Vannikov, A.V. Triplet excitons in an anthracene single crystal 9—69437
Kostin, M.N. *see* Bychkov, Yu.I. 9—94244
Kostin, V.V. *see* Arzuov, M.I. 9—52052
Kostina, L.D., Sakharov, V.I. Chandler's period from observations 1890-1968 9—92475
Kostiouk, V.V. *see* Kalinin, E.K. 9—65182
Kostis, J.B. *see* Min, B.-G. 9—92324
Kostiuk, T. *see* Abbas, M.M. 9—100971
Kostlin, H. *see* Frank, G. 9—55894
Kostomakha, V.A. *see* Bukreyev, V.I. 9—98804
Kostopoulos, D., Beniere, F., Reddy, K.V. Examination of the Arrhenius law of the diffusion in solids 9—77808
Kostopoulos, D. *see* Reddy, K.V. 9—77820
Kostornoi, S.D., Litvinenko, A.A. Mixed inverse problem for profile with given velocity distribution on one side and known thickness law 9—94634
Kostornov, A.G. Porous structure parameters of permeable materials. I. Theoretical premises and model investigations 9—98797
Kostornov, A.G. Obliteration phenomenon in permeable fiber materials 9—98799
Kostornov, A.G. Porous structure parameters of permeable materials. II. Materials from metal fibers 9—100083
Kostornov, A.G. *see* Moroz, A.L. 9—98798
Kostorz, G. *see* Epperson, J.E. 9—82127
Kostoski, D., Stojic, M., Spiric, V. Lattice defects in γ-irradiated p-type Ge 9—55779
Kostoski, D. *see* Spiric, V. 9—55789
Kostoski, D. *see* Stojic, M. 9—55930
Kostoulas, I. *see* Minehart, R. 9—76032
Kostov, M.K., Ivanchev, N.P., Dudnik, E.F. Electrically induced optical activity in the centrosymmetric crystal $NaBi(MoO_4)_2$ 9—82942
Kostritsa, A.A. Possibility of decreasing the minimum critical mass of a thermal neutron reactor 9—63740
Kostritsa, T.V. *see* Belyak, L.F. 9—57154
Kostritskii, S.N. *see* Ekel'chik, V.S. 9—61642
Kostromitin, V.V. *see* Aleshin, V.I. 9—89340
Kostrov, A.V. *see* Eremin, B.G. 9—75240
Kostrov, D.V. *see* D'yakonov, M.N. 9—69418
Kostrova, O.B. *see* Alipov, A.N. 9—92435
Kostrovskii, V.G. *see* Anisimov, M.P. 9—65293
Kostryukova, A.A. *see* Panteleev, G.V. 9—55225
Kostrzhitskii, A.I., Pribbe, S.A. Deposition of vacuum coatings made of alloys by vaporisation of components from various sources 9—74093
Kostuk, R.K., Muhs, A.G., Kirkpatrick, F.H., Gabel, C.W. Measurement of adenosine triphosphate content in single red blood cells using the firefly bioluminescent reaction 9—79695
Kostur, T.A. *see* Psarev, V.I. 9—52155
Kostya, L.F. *see* Sorokin, G.P. 9—90608
Kostyla, A. *see* Cade, P.E. 9—68268
Kostyrya, A.A. *see* Manokhin, A.I. 9—100090
Kostyshin, A.M. *see* Danileiko, M.V. 9—59672
Kostyshin, M.T., Indutnyi, I.Z., Stronskii, A.V. The photosensitivity spectrum of the CuCl-Ag system in the region of cuprous chloride exciton absorption 9—78707
Kostyshin, M.T., Sharyi, V.M., Mikhailovskaya, E.V. Determination of the sign and drift mobility of majority carriers in lead halides 9—69512
Kostyshin, M.T., Stronsky, A.V. Exciton structure of the light sensitivity spectrum of the CuCl-Ag system 9—51985
Kostyuchenko, E.K. *see* Vargin, A.N. 9—86046
Kostyuk, E.N. Approximate calculation of surface integrals in the numerical investigation of 3-dimensional fields 9—64143
Kostyuk, Y.P. *see* Lepin, G.F. 9—70251
Kostyukov, V.V., Seredkina, N.G. Results of tests of geostrophic correlation of the initial geopotential and wind fields 9—100899
Kostyukovich, N.N., Mityanock, V.V. Equatorial geodesic motion of test particles in the Kerr and first Tomimatsu-Sato metrics 9—49110
Kosuge, K. *see* Kitaoka, Y. 9—56625
Kosuge, K. *see* Ueda, Y. 9—91301
Kosugi, H. *see* Matsuno, Y. 9—97867
Kosugi, N., Kuroda, H., Iwata, S. Breakdown of Koopman's theorem and strong shake-up bands in the valence shell region of N_2 photoelectron spectra 9—72354
Kosulina, T.G., Pishchik, G.F., Prokof'ev, E.N., Klenov, V.F. Effect of deformation of deep-water conical porthole on its optical characteristics 9—76859
Kosyakov, V.I. *see* Skrypnik, E.A. 9—91415
Kosyakov, V.N., Shvetsov, I.K. Comprehensive use of transplutonium elements—by-products of the nuclear power industry 9—59187
Kosyakov, V.N. *see* Druin, V.A. 9—59101
Kos'yan, R.D. *see* Antsyfrov, S.M. 9—53552
Kos'yanenko, V.A. *see* Vasyuta, B.M. 9—75624
Kos'yankov, A.P. *see* Gimanov, V.P. 9—53288
Koszarny, Z. Effects of aircraft noise on the mental functions of schoolchildren 9—70495
Koszi, L.A. *see* Hartman, R.L. 9—94234
Kota, J. *see* Kiraly, P. 9—66892
Kota, V.K.B. Sizes of effective single particle fields for s-d shell effective interactions 9—89247
Kotak, M.D. *see* Sangwal, K. 9—65088, 9—79136
Kotaka, I. *see* Kimura, T. 9—95253
Kotaka, M. *see* Frantiesek, P. 9—80972
Kotaki, M. *see* Ondoh, T. 9—80078
Kotani, H., Namba, S., Kawabe, M. Electrooptic Bragg-deflection modulators in corrugated waveguides 9—59844
Kotani, T. *see* Akita, K. 9—60370
Kotani, T. *see* Isozumi, S. 9—95946
Kotani, T. *see* Komiya, S. 9—65087
Kotani, T. *see* Ueda, O. 9—60369
Kotanyi, C.G. Radio observations of NGC 3665: an elliptical galaxy with a dust lane 9—58414
Kotaskova, Z. *see* Svoboda, V. 9—79611
Kotasrenko, N.Ya. *see* Kalmykov, A.M. 9—68413
Kotchick, D.M. *see* Busovne, B.J., Jr. 9—83209
Kotecky, R., Preiss, D. Nonperturbative renormalizability for a class of gradient-free models 9—49392
Kotek, T.J. *see* Schlenker, R.A. 9—62345
Koteles, E.S., Winterling, G. Resonant scattering of exciton polaritons by LO and acoustic phonons 9—95760
Koteles, G.J. New aspects of cell membrane radiobiology and their impact on radiation protection 9—70585
Kotel'nikov, D.I. The glow discharge as the source of heat for welding processes (review) 9—73051
Kotel'nikov, K.A. *see* Apanasenko, A.V. 9—92642
Kotel'nikov, V.A. *see* Alekseev, B.V. 9—98976
Kotel'nikov, V.A. *see* Kislik, M.D. 9—88570
Kotel'nikova, G.V. *see* Pronyaev, V.G. 9—97657
Kotenev, G.Ya. *see* Dikina, L.S. 9—56008
Kotenko, L.P. *see* Asoskov, V.S. 9—60102, 9—86554
Kotera, N., Nakashima, M., Shigeta, J., Oi, T., Sato, K. Reply to 'comment on 'Transverse 1/f noise in InSb thin films and the signal-to-noise ratio of related Hall elements'' 9—99594
Kotera, T. Vibrations of string with time-varying length 9—50620
Kotera, Y. *see* Shimomura, K. 9—61569
Koterov, N.I., Znamenskii, N.P. Determination of the compliance of conical shells under antisymmetric loading 9—90153
Koterov, V.N. *see* Aleksandrov, V.V. 9—86641
Kothari, B.K. *see* Stephens, J.R. 9—58397
Kothari, H.S. *see* Dubey, R.C. 9—61977
Kothari, L.S. *see* Dhariwal, S.R. 9—61996
Kothiyal, G.P., Ghosh, B., Deshpande, R.Y. Effect of the morphological structure on the photosensitivity of chemically deposited PbS thin films 9—82647
Kothiyal, M.P. Ellipsometer nulling: coupling and setting uncertainty 9—58771
Kothny, E.L. *see* Hoffer, E.M. 9—83685
Kotik, D.S., Polyakov, S.V., Yashnov, V.A. Excitation of the Earth-ionosphere waveguide by low-frequency sources in an inhomogeneous ionosphere 9—66873
Kotilainen, P.W. *see* Spodick, D.H. 9—66574
Kotkata, M.F., Ayad, F.M., El-Mously, M.K. Photo-effect on crystallization kinetics of amorphous selenium doped with sulphur 9—77522
Kotkata, M.F., El-Mously, M.K., Ayad, F.M. Light effect on amorphous crystal transition in $SSe_{22.5}$ 9—99076
Kotkata, M.F. *see* El-Mously, M.K. 9—73503
Kotlarchyk, M., Sow-Hsin Chen, Asano, S. Accuracy of RGD approximation for computing light scattering properties of diffusing and motile bacteria 9—92193
Kotler, N.I., Nevereov, A.D., Desyatov, M.V., Drozdetskaya, G.L., Vakhramov, Yu.S. Electrolytic method of obtaining X-ray filters 9—95947
Kotlewski, A. *see* Hand, L. 9—75979
Kotlikov, E.N. *see* Alipieva, E.A. 9—76387
Kotlyarenko, L.A. *see* Epik, A.P. 9—52443
Kotlyarevskii, D.M. *see* Atenelashvili, M.I. 9—84626
Kotlyarevskii, I.L. *see* Gerko, V.I. 9—54865
Kotlyarevskii, V.A. Impact on a plate on the surface of a fluid 9—90192
Kotlyarevskii, V.A., Maiorova, E.G., Shishikin, A.I. Stress waves in soils in the presence of cavitation effects 9—70792
Kotlyarov, V.I. The efficiency of the CDP technique for an inclined occurrence of reflecting surfaces 9—84527
Kotlyarskii, M.M. Manifestation of phonons in $TlMnCl_3$ absorption spectrum 9—87461
Kotnik-Karuz, D., Vidal, C.R. Vibrational constants of the Rb_2B-X system from magnetic rotation spectra 9—76530
Kotochigova, S.A. *see* Kozlov, M.G. 9—72265, 9—76373
Kotomin, E., Fabrikant, I. Efficiency of radiation-induced F-center accumulation in ionic crystals 9—69102
Kotomtseva, L.A. *see* Burakov, V.S. 9—57328
Kotomtseva, L.A. *see* Gorcharuk, I.M. 9—55155
Koton, M.M. *see* Sidorovich, A.V. 9—57029
Kotorobai, F. *see* Abdivaliev, A. 9—67569, 9—67570
Kotorynski, W.P. Slowly varying channel flows in three dimensions 9—92948
Kotosonov, A.S. *see* Brandt, N.B. 9—82752
Kotov, A.A. *see* Blinov, S.I. 9—54894
Kotov, A.A. *see* Borisevich, N.A. 9—86002
Kotov, A.A. *see* Dorokhin, A.V. 9—54887
Kotov, A.I. *see* Kachapina, L.M. 9—56787
Kotov, A.M. Subjective optimum reproduction cycle for the black-and-white photographic process 9—49318
Kotov, A.V. *see* Basov, N.G. 9—94298
Kotov, A.V. *see* Efimkov, V.F. 9—98445
Kotov, E.O. A method of orbit determination from observational results 9—84654
Kotov, V.A. *see* Abuzin, Yu.M. 9—65844
Kotov, V.I. *see* Abdivaliev, L. 9—93568
Kotov, V.V. *see* Gan, M.A. 9—76616
Kotov, V.V. *see* Gornostaev, B.D. 9—76130
Kotov, V.V. *see* Velikhov, E.P. 9—71954, 9—76122
Kotova, L.S. *see* Belushkina, A.A. 9—63324
Kotova, S.P. *see* Vasil'ev, A.A. 9—94177
Kotova, Yu.A. *see* Dement'ev, Yu.S. 9—95933
Kotovskaya, N.L. *see* Pomosov, A.V. 9—66017
Kotowski, R. On the Brillouin delta function of cubic and hexagonal lattices 9—73261
Kotowski, R., Rogula, D. Differential pseudocontinua 9—69200
Kotowski, R.K. *see* Alshits, V.I. 9—69215
Kotrappa, P., Bhanti, D.P. Measurement of specific alpha radioactivity with respect to size for uranium ore dust using aerosol centrifuge 9—76255
Kotrappa, P. *see* Raghunath, B. 9—90366
Kotru, P.N. Inclined dislocations in synthetic quartz 9—99200
Kotseruba, A.I. *see* Trunov, A.M. 9—61876
Kotsidas, E.D. *see* Good, R.J. 9—73379
Kotsyumakh, M.P. *see* Belotskii, D.P. 9—87617
Kotthaus, J.P. Spectroscopy of semiconductor inversion layers in high magnetic fields 9—60889
Kotthaus, J.P. *see* Neppl, F. 9—82677
Kotthaus, J.P. *see* Sesselmann, W. 9—82658
Kottle, S.P., Gonzalez, A.C., Macon, E.J., Fellner, S.K. Ultrasonographic evaluation of cascular access complications 9—92312
Kottmeier, C. Trajectories changed by a nocturnal jet 9—66769
Kotur, B.Ya. *see* Gladyshevskii, E.I. 9—60343
Kotur, Ya.M. *see* Mikitishin, S.I. 9—52252
Kotwal, R. *see* Tabakoff, W. 9—61745
Kotyrev, E.A. *see* Gracheva, G.G. 9—55240
Kotyuk, A.F. *see* Alekseev, S.G. 9—71431
Kotz, R., Lewerenz, H.J., Kretschmann, E. Observation of surface plasmon splitting on Ag (111) by electroreflectance spectroscopy 9—61338
Kotz, R. *see* Kolb, D.M. 9—99419
Kotz, U. *see* Brandelik, R. 9—63491, 9—93441
Kotzler, J., Eiselt, G. Observation of spin-cluster freezing in dilute $(Eu_xSr_{1-x})S$ by low-frequency magnetic absorption 9—78404
Kotzler, J., Scheithe, W. Deviation from Kittel's magnetic resonance formula near T_c of $CdCr_2Se_4$ 9—87322
Kotzler, J. *see* Eiselt, G. 9—78348
Kou, S., Poirier, D.R., Flemings, M.C. Macrosegregation in rotated remelted ingots 9—52196
Kou, S. *see* Mehrabian, R. 9—69916
Kou Kou-jin *see* T'ung Wei 9—79759
Kou Lu *see* Lu Kou
Kou-jin Kou *see* Kou Kou-jin
Kouba, K. *see* Hlavka, J. 9—65495
Koubsky, P. Properties and nature of Be and shell stars. IX. Periodic radial-velocity changes of HD 174237 9—53818
Koubsky, P. *see* Harmanec, P. 9—53817
Kouchi, H. *see* Sato, K. 9—95248
Kouchiyama, K. *see* Yoza, N. 9—87890

Koudelka, L., Horak, J., Pisarcik, M., Sakal, L. Structural interpretation of Raman spectra of $(As_2S_3)_{1-x}(AsBr_3)_x$ system glasses 9—65856
Koudelka, V. *see* Micka, K. 9—100516
Koudinov, A.V. *see* Goloskokov, S.V. 9—54360
Koukitu, A., Seki, H., Fujimoto, M. The electrical properties of VPE GaAs grown by the single flat temperature zone method 9—95526
Koukitu, A. *see* Seki, H. 9—99094
Koul, G.L. *see* Daftari, I.K. 9—89302
Koul, P.N., Hatwar, T.K., Ghatikar, M.N., Padalia, B.D. Chemical shifts of the L_3-absorption edge of Pt in the rare earth-platinum intermetallic compounds 9—78789
Koul, S.L. Uranium in fossil bones 9—52846
Koul, S.L. On the fission track dating and annealing behaviour of accessory minerals of Eastern Ghats (Andhra Pradesh, India) 9—57891
Koumvakalis, N., von der Osten, W. First-order resonant Raman scattering in mixed silver halides 9—56790
Kounadis, A.N., Katsikadelis, J.T. Coupling effects on a cantilever subjected to a follower force 9—50638
Kounadis, A.N. *see* Panayotounakos, D.E. 9—94532
Kounnas, C. *see* Baulieu, L. 9—80800
Kour, B. *see* Daftari, I.K. 9—89302
Koura, K. On rotational relaxation of hydrogen halides 9—86044
Koura, K. Relaxation of hot atoms with chemical reaction 9—100423
Kouri, D.J. On the coordinate-representation sudden approximation for atom-surface scattering 9—78803
Kouri, D.J. *see* Goldflam, R. 9—72397
Kouri, D.J. *see* Hoffman, D.K. 9—70299, 9—89735
Kouri, D.J. *see* Khare, V. 9—91912
Kouri, D.J. *see* Liu, W.-K. 9—86556
Kourkoumelis, C., Resvanis, L.K., Filippas, T.A., Fokitis, E., Cnops, A.M., Iwata, S., Palmer, R.B., Rahm, D.C., Rehak, P., Stumer, I., Fabjan, C.W., Fields, T., Lissauer, D., Mannelli, I., Mouzourakis, P., Nappi, A., Willis, W.J., Goldberg, M. Inclusive π^0 production at very large p_T at the ISR 9—71769
Kourkoumelis, C., Resvanis, L.K., Filippas, T.A., Fokitis, E., Cnops, A.M., Iwata, S., Palmer, R.B., Rahm, D.C., Rehak, P., Stumer, I., Fabjan, C.W., Fields, T., Lissauer, D., Mannelli, I., Mouzourakis, P., Nappi, A., Willis, W.J., Goldberg, M. Inclusive η production at high p_T at the ISR 9—71770
Kourkoumelis, C., Resvanis, L.K., Filippas, T.A., Fokitis, E., Cnops, A.M., Iwata, S., Palmer, R.B., Rahm, D.C., Rehak, P., Stumer, I., Fabjan, C.W., Fields, T., Lissauer, D., Mannelli, I., Mouzourakis, P., Nappi, A., Willis, W.J., Goldberg, M., Horwitz, N., Moneti, G.C. Azimuthal correlation of a high $p_T\pi^0$ and η with a second π^0 produced in pp collisions at the ISR 9—85347
Kourkoumelis, C., Resvanis, L.K., Voulgaris, G., Filippas, T.A., Fokitis, E., Cnops, A.M., Cobb, J.H., Iwata, S., Palmer, R.B., Rahm, D.C., Rehak, P., Smith, S.D., Stumer, I., Fabjan, C.W., Fields, T., Lissauer, D., Mannelli, I., Mouzourakis, P., Nakamura, K., Nappi, A., Willis, W.J., Goldberg, M., Lankford, A.J. Study of resolved high-p_T neutral pions at the CERN ISR 9—63555
Kousaka, Y., Okuyama, K., Sumi, K., Yoshida, T. Stability of fine water droplet clouds 9—52782
Koutchmy, S. *see* Lamy, P.L. 9—92678
Koutchouk, J.-P. *see* Fischer, C. 9—68003
Koutchouk, J.-P. *see* Keyser, R. 9—72050
Kouts, H.J.C. *see* Lewis, H.W. 9—97821
Kouts, H.J.C. *see* Steinberg, M. 9—67980
Koutsidi, N.K. *see* Abesalashvili, L.N. 9—80856
Koutsky, J., Pechman, V., Kubes, Z. Hardening mechanism of 'maraging' steels Cr12Ni5MoNb(Cu) 9—78989
Koutsogeorgis, C.M., Daunt, G. Specific heats of submonolayer ^{4}He films adsorbed on Grafoil coated with monolayer argon 9—51379
Koutzenogii, K.P. *see* Gorbunov, B.Z. 9—53465
Kouvel, J.S. *see* Aitken, R.G. 9—91243
Kouvel, J.S. *see* Korty, F.W. 9—78304
Kouzes, R.T., Miller, M. The Princeton cyclotron data acquisition system 9—89528
Kouzes, R.T. *see* Waterman, F.M. 9—81134
Kouzes, R.T. *see* Watermann, F.M. 9—59056
Kovac, C.A., Lewis, I.C. Magnetic orientation studies of synthetic mesophase pitches 9—94868
Kovac, C.A. *see* Lewis, I.C. 9—82322, 9—90523
Kovac, Z. *see* Pierce, P.E. 9—52685
Kovacevic, I. *see* Brissenden, S. 9—51193
Kovach, R.L. *see* Stierman, D.J. 9—57865
Kovachev, T.S., Trendafelov, D., Angelova, E. The thermal dissociation of magnesium sulphite hexahydrate 9—66267
Kovachev, V.T. *see* Bussiere, J.F. 9—82727
Kovacic, C. *see* Brand, R.A. 9—61054
Kovacich, M., Mayer, M.E. Relativistic statistical mechanics: BBGKY hierarchy and Boltzmann equation 9—63127
Kovacova, K. Crystallization interface of the selected binary alloys of Al-Mg system 9—78951
Kovacova, K., Grman, D. Distribution of liquid magnesium at the liquid-solid interface in binary Al-Mg alloys 9—91637
Kovacs, A.B., Nagy, Z., Kokeny, G., Toth, J. UV burners to promote healing of wound 9—62310
Kovacs, E., Shui-Yin Lo Index symmetry of classical Yang-Mills fields 9—71631
Kovacs, E., Shui-Yin Lo Self-dual propagating wave solutions in Yang-Mills gauge theory 9—85227
Kovacs, G.J. Optical excitation of surface plasma waves in an indium film bounded by dielectric layers 9—91516
Kovacs, I. The foundations of transmission electron microscopy 9—54229
Kovacs, I. Stacking faults and their observation with the electron microscope 9—55755
Kovacs, I., Peczeli, I., Grandpierre, A. Contribution to the intensity distributions of the multiplet bands in diatomic molecules. III 9—85944
Kovacs, I. *see* Lendvai, J. 9—100193
Kovacs, I. *see* Voros, G. 9—52546
Kovacs, L., Rios, E., Schneider, M.F. Calcium transients and intramembrane charge movement in skeletal muscle fibres 9—66453
Kovacs, L.C. *see* Vogt, P.R. 9—70746
Kovacs-Treer, M. *see* Kertesz, L. 9—52248
Koval', I.V., Mel'nik, P.V., Nakhodkin, N.G., Goisa, S.N. Ionization spectroscopy of silicon oxides formed in Cs-O films adsorbed on the (100) face of Si 9—69365
Koval, L.R. On sound transmission into an orthotropic shell 9—81626
Koval', M.A., Stulov, V.P., Shvets, A.I. Experimental investigation of supersonic flow past blunt bodies with strong distributed injection 9—90277
Koval', N.A., Lobova, V.M., Raikhel's, E.I. Investigation into structural characteristics of alkali-halide single crystals subject to strain by abrasion 9—74262
Koval, T.M., Hart, R.W., Myser, W.C., Hink, W.F. DNA single-strand break repair in cultured insect and mammalian cells after X-irradiation 9—74725
Koval', V.A., Andreichenko, K.P. Dynamic errors of a flotation integrating gyroscope 9—93135
Koval', V.I. Method of fracture toughness testing of brittle nonmetallic materials 9—57190
Koval', V.I. Determining the rigidity of a multilayer built-up plate with a crack 9—90190
Koval', V.I., Kharlamov, P.V. Kovalevski hodographs of gyroscope angular velocity in the Delone case 9—63013
Koval', V.M. *see* Es'kova, N.F. 9—61776
Koval', Yu.D. *see* Klimenko, A.S. 9—94456
Koval', Yu.N., Musienko, R.Ya., Khandros, L.G. Influence of hardening of Fe-Ni-Ti alloys on the shape memory effect 9—83259
Koval', Yu.N. *see* Arbuzova, I.A. 9—87627
Koval', Yu.N. *see* Ganzhula, N.N. 9—61587
Koval'-Guk, Yu.B. *see* Zablotskaya, N.S. 9—98594
Koval'chenko, M.S. Determination of the type of stressed state by a porous solid in hot rolling 9—100194
Koval'chenko, M.S. *see* Gavrilenko, A.P. 9—70016
Koval'chenko, M.S. *see* Martynov, V.A. 9—95976
Koval'chuk, B.A. *see* Anisimov, M.A. 9—77766
Koval'chuk, B.I., Kul'chitskii, N.M., Lebedev, A.A. Ductility and strength of previously deformed chromium steel in biaxial tension at low temperatures 9—90718
Koval'chuk, B.I., Lebedev, A.A., Makovetskii, I.V. Experimental investigation of the effect of temperature of the parameters of the loading surface of steel 45 9—66084
Koval'chuk, B.I., Lebedev, A.A., Makovetskii, I.V. Effect of low-temperature plastic deformation on the loading surface of carbon steel at room and low temperatures 9—66130
Koval'chuk, B.I. *see* Lebedev, A.A. 9—57005
Koval'chuk, G.N. *see* Baidak, N.P. 9—52459
Koval'chuk, P.S. *see* Zagorodnyaya, N.V. 9—98654
Kovalchuk, V.A. *see* Rekalo, M.P. 9—58918, 9—75712
Koval'chuk, V.S., Trufyakov, V.I. Apparatus for making two-frequency and programmed fatigue tests on large testpieces 9—96232
Koval'chuk, Yu.V., Komissarova, I.I., Ostrovskaya, G.V. Nonlinear absorption of the emission from a dye laser in a laser spark 9—64922
Kovalenko, A.A., Nagaev, E.L. Quasiphase transition in ferromagnetic semiconductors with doubly charged donors 9—65684
Kovalenko, A.A. *see* Nagaev, E.L. 9—69670
Kovalenko, A.A. *see* Rykalin, N.N. 9—56955
Kovalenko, A.P. *see* Kostarev, A.I. 9—51304
Kovalenko, A.V. *see* Ruzmaikin, A.A. 9—58430
Kovalenko, B.F., Maronchuk, I.E. Application of a variable band gap semiconductor in the active region of a laser 9—94236
Kovalenko, G.D. *see* Grishaev, I.A. 9—91522
Kovalenko, G.P. Vibrations of an elastic inhomogeneous solid weakened by a circular slit 9—86381
Kovalenko, I.V. *see* Parkhomenko, V.D. 9—82053
Kovalenko, N.P., Kuz'mina, L.M. On the theory of electrical conductivity of liquid metals (the role of multiparticle effects) 9—91015
Kovalenko, N.P. *see* Shekk, Yu.B. 9—85991
Kovalenko, V.A. *see* Goncharov, I.G. 9—94238
Kovalenko, V.F., Peka, G.P., Shepel', L.G. Characteristics of radiative recombination in a variable-gap semiconductor with a high band-gap gradient 9—56858
Kovalenko, V.P. Excitation of stationary waves in a plasma by injection of clusters of cold electrons 9—98891
Kovalenko, V.P. *see* Il'inskii, A.A. 9—52810
Kovalev, A.A., Levashkevich, L.V. Experimental investigation of radiation self-modulation in a ruby laser with passive closing of an electrooptic shutter 9—64258
Kovalev, A.A. *see* Pilipetskii, N.F. 9—86207
Kovalev, A.S. *see* Kosevich, A.M. 9—61093
Kovalev, A.S. *see* Vasileva, A.N. 9—99011
Kovalev, E.A. *see* V'yukhin, V.N. 9—72525
Kovalev, E.E., Kolomenskii, A.V., Muratova, I.A., Petrov, V.M. Model description of differential spectra of galactic cosmic rays 9—80130
Kovalev, G.V. Stimulated emission of high-frequency phonons 9—73267
Kovalev, I.F. *see* Kamenskii, Yu.V. 9—64033
Kovalev, I.O. *see* Zaroslov, D.Yu. 9—76676
Kovalev, N.F. *see* Ivanov, V.S. 9—68359
Kovalev, N.N. *see* Petrov, M.P. 9—94343
Kovalev, P.I., Komissaruk, V.A., Martynov, V.P., Mende, N.P. Polarization and grating interferometers in ballistic experiments 9—97426
Kovalev, V.N., Lyapin, A.A., Chursin, M.M. Sputtering of a high-current tungsten cathode 9—55570
Kovalev, V.N. *see* Zake, M.V. 9—81697, 9—83369
Kovalev, Yu.A. A possible radio emission mechanism for pulsars 9—84812
Kovalev, Yu.A. Where is the pulsar emission generated? 9—101168
Kovalev, Yu.V. *see* Krasnovskii, A.A., Jr. 9—92142
Kovaleva, N.S., Mochalov, I.V. Formation of color centers in yttrium orthoaluminate crystals 9—90652
Kovaleva, N.V. *see* Gavrilina, L.Ya. 9—96358
Kovalevskaya, L.P. *see* Belan, N.V. 9—86569
Kovalevskaya, T.I. *see* Gerasimenko, N.N. 9—95863
Kovalevskii, N.N. *see* Tsapuk, A.K. 9—96171
Kovalevskii, V.A. *see* Vasil'ev, B.I. 9—89721
Kovalevskii, V.I. *see* Karataeva, T.P. 9—52032
Kovalevskii, V.I. *see* Postnikov, V.S. 9—69694
Kovalevskiy, V.B., Miropol'skiy, Z.L. Heat transfer and drag in the flow of water at supercritical pressure in curved channels 9—90246
Kovalevskiy, V.I. *see* Dolgopolov, S.G. 9—89006
Kovaliv, V.I. *see* Kesler, Ya.A. 9—52737
Koval'nogov, N.N. *see* Shchukin, V.K. 9—81958, 9—86426
Koval'skii, P.N., Yatsishin, V.P. Mechanism of photoelectret state formation under the effect by IR-light quenching photoelectric current, with regard for trapping centres 9—91345
Koval'skii, V.Ya. *see* Bordina, N.M. 9—83594
Koval'tsov, G.A. *see* Kocharov, G.E. 9—84599
Kovalyuk, Z.D., Likholit, N.I., Strizhevskii, V.L., Yashkir, Yu.N. Gallium selenide: an efficient nonlinear crystal for IR parametric image conversion from 10 μ to the near-IR 9—89970
Kovalyuk, Z.D. *see* Bakumenko, V.L. 9—73543
Kovalyuk, Z.D. *see* Slyn'ko, V.V. 9—61045
Kovar, J. The basic properties of optical waveguides 9—81551
Kovar, Z. *see* Cihal, V. 9—91850
Kovar, Z. *see* Kovarik, J. 9—67965
Kovarik, J., Kovar, Z., Novotny, J. Automation of calorimetric measurements evaluation 9—67965
Kovarik, M. Optimal profile of solar energy collectors 9—62065
Kovarik, M. Optimal distribution of heat conducting material in the finned pipe solar energy collector 9—83631
Kovarskii, A.P. *see* Gurevich, G.M. 9—85196
Kovarsky, V.A. *see* Averbukh, I.Sh. 9—50272
Kovash, M.A., Blatt, S.L. Gain stabilization of scintillation and Cerenkov spectrometers at high counting rates 9—76277
Kovash, M.A. *see* Morgan, J.F. 9—50122
Kovatcheva, R., Dafinova, R., Stanimirova, M. Metallographic investigation of manganese nitrides 9—100319
Kovba, L.M. *see* Degtyarev, P.A. 9—55725, 9—65058
Kovbasyuk, L.D., Kulagin, S.G. The half-year nutation wave in observations of the latitude of Gor'kii 9—62728
Kovdrya, Yu.Z. *see* Eselson, B.N. 9—55985
Kovenskaya, B.A. *see* Goryachev, M.Yu. 9—73420
Kovenskii, G.I. *see* Zabrodskii, S.S. 9—68556
Kovenya, V.M., Yanenko, N.N. A movable net difference scheme for the solution of viscous gas equation 9—50838
Kovenya, V.M. *see* Yanenko, N.N. 9—49055
Kovesi-Domokos, S. *see* Domokos, G. 9—71714
Kovgan, S.T., Zakrytnyi, A.A. Altering a hydraulic machine for low-cycle fatigue testing 9—57175
Kovgan, V.G. *see* Dod', I.I. 9—67275

Kovganich, N.Ya. *see* Deinega, Yu.F. 9—83514
Kovganich, N.Ya. *see* Deynega, Yu.F. 9—79299
Kovijanic, C. *see* Pinchak, A.C. 9—92458
Koviko, V.S. *see* Chernyi, Yu.F. 9—96053
Kovikova, I.V. *see* Kononenko, A.S. 9—82819
Kovlak, V.I., Baumshtein, M.V. An approach to numerical solution of the problem of predicting long-term strength by summary diagrams 9—56988
Kovnatskii, A.M., Ioffe, I.V., Matyushichev, Yu.F. Runoff of a conducting fluid in an electric field 9—90271
Kovnatskii, A.M. *see* Ioffe, I.V. 9—64634
Kovner, M.A. *see* Babkov, L.M. 9—91450
Kovner, M.A. *see* Gur'ev, K.I. 9—54883
Kovner, M.S., Kuznetsova, V.A. Possible generation mechanism of low-frequency pulsations in the polar cusp 9—53657
Kovnovich, S. *see* Chernobelskaya, T. 9—57182
Kovrigin, A.A., Moroz, V.R., Chalyi, V.M. Ultrasonic echo method for inspecting hot-rolled steel 9—87772
Kovrigin, A.I. *see* Zhdanov, B.V. 9—91413
Kovrizhnykh, L.M., Sakharov, A.S. Electron acceleration in a plasma resonance field 9—98868
Kovrov, V.N. *see* Karoid, E.I. 9—88945
Kovshev, E.I. *see* Karamysheva, L.A. 9—86685
Kovshev, E.I. *see* Pavluchenko, A.I. 9—86876
Kovshevnyi, G.G. *see* Andronenko, L.N. 9—59103
Kovshov, A.M. Diffraction of elastic waves on a spherical cavity 9—68617
Kovtun, A.D., Tsybenko, A.S., Kvitka, A.L., Vashchenko, N.G. Method of calculating induction heating of steel sheets during thermomechanical bending 9—52280
Kovtun, G.P. *see* Aleksandrov, B.N. 9—91196
Kovtun, G.P. *see* Startsev, V.E. 9—95389
Kovtun, I.M. Thermodynamics of a reversible chemical-to-mechanical energy conversion process 9—92087
Kovtun, N.M., Naiden, E.P., Prokopenko, V.K., Shemyakov, A.A. Neutron diffraction investigation of the magnetic structure of the copper-chromium chalcogenide spinel $CuCr_2S_4$ 9—95580
Kovtun, N.M. *see* Bar'yakhtar, V.G. 9—69744, 9—82785
Kovtun, S.S. On one mechanism of direct connection and feedback in dynamic contact of elastic bodies 9—50670
Kovtun, V.V., Kudryavtsev, N.N., Novikov, S.S., Svetlichniy, I.B., Shagov, P.N. Effects of mixture composition on superequilibrium chemical pumping of the vibrational levels of CO_2 in a $CO+N_2O$ gasdynamic laser 9—76666
Kovtun, V.V., Lupilova, T.P., Obrizan, V.A. New magnetic material applied in a magnetic fastening for a piezoelectric accelerometer 9—77035
Kovtyukh, A.S., Panasyuk, M.I., Sosnovets, E.N. Dynamics of ring-current protons during the storm of January 25, 1974 9—80083
Kowaka, M., Kudo, T. Relation between intergranular stress corrosion cracking and intergranular corrosion of sensitized 304 stainless steel in acid solutions 9—79156
Kowal, C. New galaxy of the Local Group 9—84852
Kowal, C.T. Comet Kowal (1979h) 9—92718
Kowal, C.T., Bardwell, C.M., Marsden, B.G. Two probable Comets Kowal 9—96973
Kowal, C.T., Marsden, B.G. 1977 HA 9—70986
Kowalczewski, J.J., Sheridan, J.C. Cost of solar energy 9—57389
Kowalczyk, A. The biological sheltering of atomic energy reactors made of concrete 9—49876
Kowalczyk, B. *see* Pawlikowski, A. 9—78410
Kowalczyk, R.J. *see* Haddad, M.M. 9—95957
Kowalczyk, S.P. Angular-dependent ultraviolet photoemission spectroscopy of polycrystalline films: a probe of surface electronic structure 9—83095
Kowalczyk, S.P. *see* Sherwood, P.M.A. 9—95901
Kowald, W. *see* Backenstoss, G. 9—76035
Kowalewski, J., Liljefors, T. On the relationship between the potential barrier and the activation energy for the internal rotation of a methyl group 9—79220
Kowalewski, L. *see* Micnas, R. 9—82736
Kowalski, A. Cross sections for the collisions of alkaline earth atoms in the ^3P excited state with chlorine molecule 9—59537
Kowalski, E.A. *see* Friesel, D.L. 9—54720
Kowalski, F.V. *see* Carlson, N.W. 9—76472
Kowalski, F.V. *see* Goldsmith, J.E.M. 9—80696
Kowalski, G. Multislice reconstruction from twin-cone beam scanning 9—66546
Kowalski, G., Wagner, W. Patient dose rate: an ultimate limit for spatial and density resolution of scanning systems 9—83935
Kowalski, H. *see* Brandelik, R. 9—63491, 9—93441
Kowalski, J., Trager, F., Weisshaar, S., Wiegemann, H.-B., zu Putlitz, G. Nuclear charge distribution of ^{41}Ca 9—54385
Kowalski, K.L. N-body systems 9—80906
Kowalski, K.L. Multiple scattering, optical potential, and N-body approaches to elastic two-fragment collisions 9—93573
Kowalski, K.L., Siciliano, E.R., Thaler, R.M. Composite-particle structure of pion-nucleus amplitudes 9—67778
Kowalski, S. *see* de Guerra, E.M. 9—89236
Kowalski, S. *see* Denus, S. 9—85166
Kowalski, S. *see* Hynes, M.V. 9—63658
Kowalski, S. *see* Miska, H. 9—63583
Kowalski, S.J. *see* Derski, W. 9—98601
Kowalsky, W.P., Holodny, E.I., Van Heertum, R.L., Schwarz, G. Low data loss acquisition from a gamma camera with subsequent computer analysis 9—49358
Kowalsky, W.P. *see* Szechter, A. 9—92304
Kowatsch, M. *see* Stocker, H. 9—50544
Kowel, S.T., Cleverly, D., Mahapatra, A., Szebenyi, T., Kornreich, P.G., Wanuga, S. Two-dimensional photoacoustic image processing with longitudinal waves 9—50244
Kowel, S.T., Cleverly, D., Mahapatra, A., Szebenyi, T., Kornreich, P.G., Wanuga, S. A two-dimensional acoustic processor 9—72514
Kowel, S.T. *see* Kornreich, P.G. 9—72516
Kowk, S. *see* Gregory, P.C. 9—88755
Kowler, E., Steinman, M. The effect of expectations on slow oculomotor control. I. Periodic target steps 9—100604
Kowler, E., Steinman, R.M. The effect of expectations on slow oculomotor control. II. Single target displacements 9—100605
Kownacki, J. *see* Hammaren, E. 9—63576
Kox, A.J. *see* Siskens, Th.J. 9—63140
Kox, A.J. *see* Wiegel, F.W. 9—66456
Koyama, E. *see* Kagiyama, T. 9—70760
Koyama, E. *see* Miyazaki, T. 9—70731
Koyama, E. *see* Shimozuru, D. 9—70773
Koyama, E. *see* Takeda, T. 9—70732
Koyama, H., Masuda, S., Ariga, I., Watanabe, I. Stabilizing and destabilizing effects of Coriolis force on two-dimensional laminar and turbulent boundary layers 9—81841
Koyama, H. *see* Takagi, S. 9—54601
Koyama, J. *see* Handa, Y. 9—68450
Koyama, J. *see* Masuda, M. 9—56232
Koyama, J. *see* Suhara, T. 9—81542
Koyama, K., Hashimoto, Y. Phase diagram of KCl-NaCl-NaF-K_2NaVF_6 system 9—66049
Koyama, K., Hashimoto, Y. Phase relationship in the V-C-O ternary system 9—96012
Koyama, K., Hashimoto, Y., Kirihara, T. Electrolytic preparation of vanadium from crude vanadium, V_2C, and VC 9—78908
Koyama, M. *see* Hashimoto, E. 9—69280
Koyama, M. *see* Matsushita, R. 9—57309, 9—63751
Koyama, M. *see* Takeuchi, T. 9—66435
Koyama, M. *see* Yamazaki, A. 9—89664
Koyama, N. *see* Fukushima, K. 9—60568
Koyama, N. *see* Shimizu, H. 9—90680, 9—91856
Koyama, R. *see* Ohtsu, M. 9—98400, 9—98401
Koyama, R.Y., Buehler, M.G. Novel variable-temperature chuck for use in the detection of deep levels in processed semiconductor wafers 9—88951
Koyama, S. *see* Honkura, Y. 9—70736
Koyama, S. *see* Kawamura, M. 9—70737
Koyama, S. *see* Yokobori, T. 9—100203
Koyama, Y., Nittono, O. Phenomenological study of the FCC⇄FCT transformation in In-Cd alloy crystals 9—100140
Koyamada, Y., Yoshikawa, S. Coupled mode analysis for a long IDT 9—76933
Koyamada, Y., Yoshikawa, S., Ishihara, F. One-port SAW resonators using long IDTs and their application to narrow band filters 9—76934
Koyanagi, K. *see* Awatani, J. 9—61719
Koyanagi, R.Y. *see* Crosson, R.S. 9—84195
Koyanagi, T., Nakahara, M., Iimura, M. Absorption of sediment-bound radionuclides through the digestive tract of marine demersal fishes 9—92400
Koyano, H. *see* Noguchi, T. 9—101075
Koyano, N. *see* Iwata, Y. 9—56739
Koyano, N. *see* Shibuya, I. 9—55609
Koyava, V.T., Popechits, V.I., Sarzhevskii, A.M., Sevchenko, A.N. Effect of concentration and temperature on spectral properties of polar solutions of dyes 9—87505
Koyen, M.A. *see* Diogenova, T.V. 9—53588
Kozachok, V.I. *see* Skul'skaya, L.I. 9—52820
Kozacki, A. *see* Weill, G. 9—82601
Kozaczka, E. A study of the underwater acoustic disturbances produced by a ship propeller 9—68463
Kozai, K. *see* Ogawa, T. 9—79919
Kozai, Y., Mattei, J., Whitney, C. U Scorpii 9—71049
Kozak, A.de *see* de Kozak, A.
Kozak, J.J. *see* Green, K.A. 9—65169
Kozak, W.M. *see* Wall, C., III 9—92216
Kozakai, T. *see* Miyazaki, T. 9—100184
Kozakai, T. *see* Takagishi, S. 9—100192
Kozaki, S. Reflection and transmission of electromagnetic wave from a time varying medium 9—81341
Kozakiewicz, A. *see* Paryjczak, T. 9—79286
Kozanecki, W. *see* Entenberg, A. 9—54333
Kozanecki, W. *see* Jonker, M. 9—93399
Kozarov, M., Mladenov, K. The nonlinear vibrations of an elliptical cylindrical shell 9—81753
Kozarzewski, B. *see* Zielinski, J. 9—51463
Kozdoba, L.A., Kletskii, S.V., Fialko, N.M., Sherenkovskaya, G.P. Temperature field in a plate of complex form during welding with a moving heat source 9—68553
Kozel'skii, A.V. *see* Beresnev, G.A. 9—70149
Kozhanov, V.E. *see* Kalashnikova, V.I. 9—58831
Kozhemyakin, V.A. *see* Gorev, V.S. 9—68146
Kozhevnikov, A.V. *see* Bobrovskii, A.N. 9—68386
Kozhevnikov, A.V. *see* Didenko, A.N. 9—86121
Kozhevnikov, A.V. *see* Shchukin, V.K. 9—98717
Kozhevnikov, N.I. *see* Savchenko, V.P. 9—58316
Kozhevnikov, N.V. *see* Kalashnikov, V.P. 9—99715
Kozhevnikov, V.F. Linear compensator of path difference of beams for the optical-polarization method 9—93204
Kozhikhova, Zh.G. *see* Kondratenko, M.I. 9—80582
Kozhin, V.M. Thermal expansion tensors of the α-, β-, and γ-modifications of glycine 9—95187
Kozhina, G.V. *see* Person, R.S. 9—79511
Kozhina, I.I., Pikulenko, A.L., Sidor, I.A., Sointzev, V.M. Thermal expansion of ZnSe in the temperature range from 20 to 1100°C 9—95188
Kozhina, I.I. *see* Vasilkova, I.V. 9—96015
Kozhukharov, V., Nikolov, S., Marinov, M., Troev, T. Studies of glass structure in the TeO_2-Fe_2O_3 system 9—90562
Kozhukhov, A.A. *see* Sukharev, I.K. 9—71417
Kozhurkov, V.N. *see* Zhukov, A.A. 9—51261
Koziar, A., Strangway, D.W. Shallow crustal sounding in the Superior Province by audio frequency magnetotellurics 9—57882
Koziar, A., Strangway, D.W. Permafrost mapping by audiofrequency magnetotellurics 9—58102
Kozik, E.A., Loseva, T.V., Nemchinov, I.V., Novikova, V.V. Subsonic radiation waves propagating from a target toward the source of CO_2 laser radiation 9—64885
Kozima, H., Tsuboi, F., Yamagiwa, K. Plasma density increase due to transverse energy increase in magnetic mirrors 9—64889
Kozin, G.I., Protsenko, E.D. Transients in a two-mode gas laser 9—55114
Kozin, I.D. *see* Dorman, L.I. 9—84604
Kozin, L.F., Kiselev, V.F., Nigmetova, R.Sh. Electrical resistance of liquid Hg-In-Bi alloys 9—51544
Kozin, L.F. *see* Dergacheva, M.B. 9—51263
Kozina, G.P. *see* Shilyaev, B.A. 9—90703
Kozina, G.S. *see* Demidov, S.S. 9—59725
Kozina, L.N., Revyakin, A.V. Investigation into interaction between oxygen and liquid niobium 9—55889
Kozinets, V.V. *see* Zlobintsev, G.M. 9—82574, 9—91019
Kozinskaya, A.I. *see* Ivanchenko, Yu.M. 9—69652, 9—99662
Kozinskaya, T.G. *see* Voronkova, V.I. 9—55727
Kozliner, L.I. *see* Asatiani, T.L. 9—68132
Kozlo, S.F. *see* de Blasi, C. 9—76278
Kozlov, A.D. Standard reference data in the service of metrology 9—97340
Kozlov, A.I. *see* Bogorodskii, V.V. 9—80667
Kozlov, A.P. *see* Akhant'ev, V.P. 9—57152
Kozlov, A.P. *see* Izotov, V.I. 9—100139
Kozlov, D.N., Prokhorov, A.M., Smirnov, V.V. The methane ν_1 (a_1) vibrational state rotational structure obtained from high-resolution CARS spectra of the Q-branch 9—98109
Kozlov, E.A. Predictive multiple wave filtering 9—58115
Kozlov, E.V., Shtern, D.M. Application of Green's temperature functions in the theory of atomic ordering 9—51051
Kozlov, F.A. *see* Poplavskii, V.M. 9—97876
Kozlov, F.A. *see* Volchkov, L.G. 9—76091
Kozlov, G.V. *see* Meriakri, V.V. 9—56756
Kozlov, G.V. *see* Petzelt, J. 9—73955
Kozlov, I.A., Leshchenko, V.M., Petrov, A.A., Potapova, V.F., Ryabovol, A.A. Method of studying the stressed state of glass-textolite products during their manufacture 9—57191
Kozlov, I.A., Leshchenko, V.M., Petrov, A.A., Potapova, V.F., Ryabovol, A.A. Internal stresses occurring in fiberglass laminate parts during their production 9—66034
Kozlov, I.A., Leshchenko, V.M., Petrov, A.A., Potapova, V.F., Tatarchuk, N.I. Methods to protect tensoresistors used in phenol formaldehyde resin medium during polymerization 9—54121
Kozlov, L.F. Allowing for the effect of initial turbulence on the extension of a boundary layer transition region 9—90233
Kozlov, L.F. *see* Ivanov, V.P. 9—64807, 9—81937
Kozlov, M.G., Kotochigova, S.A. Analysis of the absorption spectrum of ytterbium vapor in the vacuum ultraviolet region. I. Excitation of the $6s^2$ shell 9—72265
Kozlov, M.G., Kotochigova, S.A. Analysis of the absorption spectrum of ytterbium vapor in the vacuum ultraviolet region. II. Excitation of the $4f^{14}$ subshell 9—76373
Kozlov, M.G. *see* Aleksandrov, Yu.M. 9—54202
Kozlov, N.A., Fomin, V.V. Expansion of the gas-discharge channel in tubular flash lamps 9—82110

Kozlov, N.A. *see* Gondra, A.D. 9—94228, 9—94229
Kozlov, N.P., Malashchenko, V.A., Protasov, Yu.S. Possibilities of creating highly effective sources using frequency-doubled pulses based on discharge in hypersonic plasma jets 9—93235
Kozlov, N.P. *see* Kamrukov, A.S. 9—55477, 9—55578
Kozlov, O.A. *see* Vasil'ev, V.G. 9—54123
Kozlov, O.V. *see* Ivanov, M.I. 9—93861
Kozlov, P.V. *see* Buraygina, G.I. 9—87645
Kozlov, P.V. *see* Chenborisova, L.Ya. 9—52790
Kozlov, P.V. *see* Desyatkov, G.A. 9—90478
Kozlov, P.V. *see* Vesnaya, T.M. 9—52150
Kozlov, S.F. *see* Reggiani, L. 9—60842
Kozlov, S.N., Kuznetsov, S.N. Investigation of charging of the surface of silicon during illumination 9—51651
Kozlov, V.B., Rudyak, Yu.B. Optimization model of a system consisting of solar water heater plus accumulator plus user with variable heat carrier flowrate 9—83562
Kozlov, V.D. *see* Vinogradov, E.A. 9—92391
Kozlov, V.D. *see* Voronov, S.A. 9—76267
Kozlov, V.E., Sabel'nikov, V.A. Turbulent diffusion in fast homogeneous shear of turbulence 9—68690
Kozlov, V.F., Ten, E.V. One stationary problem of mesooceanology 9—57968
Kozlov, V.G. Experimental investigation of stability of convective motion of a fluid due to internal heat sources 9—77091
Kozlov, V.I., Rybnikova, V.Yu. Structure of shock waves determined from short-period variations of cosmic rays 9—80125
Kozlov, V.I. *see* Karnaukhov, V.G. 9—98635
Kozlov, V.I. *see* Krasil'nikov, D.D. 9—80115
Kozlov, V.K. *see* Mirumyants, S.O. 9—54893
Kozlov, V.M., Krikis, Yu.Yu. Chalcogenide glasses structure modeling by Monte-Carlo method 9—55672
Kozlov, V.M. *see* Sumrov, V.V. 9—60694
Kozlov, V.P., Tyapkin, Yu.D., Travina, N.T., Kabuzenko, S.N. Investigation of the spatial distribution of new phase particles 9—83202
Kozlov, V.V. *see* Kachanov, Yu.S. 9—90265
Kozlov, Yu.G. *see* Chaika, M.O. 9—49278
Kozlov, Yu.I., Petrov, N.Kh., Pshezhetskii, S.Ya., Chebotarev, N.F. Influence of photoinitiating substances on stimulated emission from a chemical HF laser 9—89901
Kozlov, Yu.I. *see* Postnikov, V.S. 9—73252
Kozlov, Yu.V. *see* Zelenev, Yu.V. 9—91865
Kozlov, Zh.A. *see* Blagoveshchenskii, N.M. 9—86951
Kozlova, A.G. *see* Bernshtein, M.L. 9—96020
Kozlova, N.S. *see* Blistanov, A.A. 9—67412
Kozlovskaya, S.V. *see* Safronov, V.S. 9—74868
Kozlovski, K. *see* Gzovski, O. 9—65722
Kozlovskii, D.A. *see* Aristov, A.V. 9—56836, 9—73898
Kozlovskii, M.Yu. *see* Voronov, S.A. 9—76267
Kozlovskii, S.I. *see* Gribnikov, Z.S. 9—51140
Kozlovskii, V.I., Nasibov, A.S., Pechenov, A.N., Popov, Yu.M. Mechanism of stimulated emission from laser screens made of II-VI semiconductor compounds 9—94237
Kozlovskii, V.I., Nasibov, A.S., Reshetov, V.I. Possibility of lowering the acceleration voltage of a laser electron-beam tube 9—89929
Kozlovskii, V.S. *see* Akhamnov, S.A. 9—92182
Kozlovsky, E.A. *see* Cochet, C. 9—80854
Kozlowska, E., Panczyk, J. On the high-pressure crystallization of diamonds in the presence of nickel as catalyst and solvent 9—87592
Kozlowska, J.M. Generalized transport equations for semiconductors 9—95398
Kozlowski, A. *see* Maksymowicz, A. 9—69456
Kozlowski, A. *see* Slowikowska, I. 9—70108
Kozlowski, G., Tekiel, P. Magnetic domain structure in a uniaxial ferromagnetic superconductor 9—65583
Kozlowski, G. *see* Kasperczyk, J. 9—65585
Kozlowski, G. *see* Kryzyszton, T. 9—87219
Kozlowski, G. *see* Krzyszton, T. 9—82709
Kozlowski, M., Malov, L.A. The statistical direct reaction model for the (p, α) reaction 9—80913
Kozlowski, T., Machen, D.R., Potter, J.M. LSI-11 based auxiliary crate controller for beam line and experiment control 9—89565
Kozlowski, T. *see* Engfer, R. 9—85497
Kozlowski, T. *see* Ray, L. 9—63669
Koz'ma, A.A. *see* Cheremskoi, P.G. 9—60646
Koz'ma, A.A. *see* Palatnik, L.S. 9—86810
Kozma, N. *see* Gaiseanu, F. 9—77615
Kozman, T.A. Procurement, schedules, and status of MFTF 9—49851
Koz'menko, B.G. *see* Burdukov, A.P. 9—90309
Koz'menko, V.K. *see* Volchkov, E.P. 9—98715
Kozmidis, U.F., Skrbic, Z.M., Skrinjar, M.J., Kapor, D.V. The Frenkel exciton spectrum under the condition of Bose condensation 9—56133
Koz'min, A.S. *see* Potekhin, K.A. 9—86784, 9—86785, 9—90639, 9—90640
Koz'min, V.A. *see* Churkin, V.K. 9—52451
Kozorin, L.G. *see* Isabaev, S.M. 9—83181
Kozoriz, V.V. *see* Bandurin, V.V. 9—50181, 9—75329
Kozub, Yu.I. *see* Amel'yanovich, K.K. 9—57079
Kozubek, S. *see* Lokajicek, M. 9—74720
Kozubski, R. *see* Soltys, J. 9—90756
Kozuka, H. *see* Kuroda, E. 9—52108
Kozuka, H. *see* Takeuchi, T. 9—66435
Kozuka, Z. *see* Katayama, I. 9—83499
Kozyr, V.V. *see* Zaika, N.I. 9—80949
Kozyren, A.N., Piliya, A.D., Fedorov, V.I. Propagation of finite amplitude lower hybrid frequency waves 9—55489
Kozyrenko, V.E. Calculation of inhomogeneously conducting flows in rectangular MHD channels. III 9—94732
Kozyrev, A.S., Kasatkin, Yu.I., Lyapkin, S.F. Influence of the state of impurities on the kinetics of primary recrystallisation of technical purity copper 9—66069
Kozyrev, V.D. *see* Sheinkman, A.G. 9—80984
Kozyrev, V.S., Mikhal'tsev, A.V., Lipovetskii, I.A., Shutkin, A.E., Voldiner, I.I. A technique for digital processing of CDP data for the Viljuy syneclise 9—74875
Kozyrev, Yu.P. *see* Bykovskii, Yu.A. 9—98989
Kozyreva, N.A. *see* Verenkova, E.M. 9—79151
Kozyreva, N.M. *see* Korshak, V.V. 9—55017, 9—57307
Kozyreva, T.A. *see* Koltun, M.M. 9—83593
Kozyrin, A.K. *see* Skovorodnikov, I.G. 9—80051
Kraak, W. *see* Kruger, H. 9—77991
Kraan, A.M.Van Der *see* Van Der Kraan, A.M.
Kraatz, K.-H., Frohberg, G., Wever, H. Thermo- and electromigration in high purity cobalt 9—55919
Krabbes, G. *see* Wolf, E. 9—69972
Kracher, A. *see* Grossman, J.N. 9—101121
Kraeft, W.D., Stolzmann, W. Thermodynamic functions of Coulomb systems 9—85108
Kraemer, W.P. *see* Von Niessen, W. 9—54764
Kraev, O.A., Shul'ga, V.M. Calorimeter for measurement of radiant flux density 9—71452
Kraev, V.M. Complex mechanization and automation of the main and ancillary production sections—one way of improving production quality 9—61548
Kraevskii, S.L. *see* Evdokimov, T.F. 9—95735
Krafcsik, I., Marton, D. Experimental study of the charge model of interface states 9—65554
Krafft, G. Helitex—a test facility for large-scale cooling experiments with liquid helium 9—63232
Kraft, A.R. *see* Roccaforte, P. 9—74815
Kraft, D.A. *see* Hins, A.G. 9—89477
Kraft, G. *see* Heitz, Ch. 9—63948
Kraft, L.M., Kelly, M.A., Johnson, J.E., Jr., Benton, E.V., Henke, R.P., Cassou, R., Haymaker, W., Philpott, D.E., Vogel, F.S., Zeman, W. Effects of high-LET neon (^{20}Ne) particle radiation on the brain, eyes and other head structures of the pocket mouse: a histological study 9—66489
Kraft, M. *see* Feustel, J.E. 9—61953
Kraft, O.E., Naumov, Yu.V., Parzhitskii, S.S., Petrov, B.F., Sigalov, V.M., Sizov, I.V. γ-decay of the analog $p_{1/2}$ resonance in ^{65}Cu 9—80907
Kraft, R.P., McDonald, J.F., Ahlgren, F. Minimax optimization of two-dimensional focused nonuniformly spaced arrays 9—59897
Kraft, R.P. *see* Butler, D. 9—88660
Kraft, T. *see* Levine, J.S. 9—74667
Kraftmakher, Ya.A., Cherepanov, V.Ya. Compensation for thermal losses in measuring heat capacity by the modulation method 9—85144
Kragel'skii, I.V. *see* Mikhin, N.M. 9—87735
Krahenbuhl, U. *see* Maurer, P. 9—53739
Krahenbuhl, Y., Watts-Tobin, R.J. Electrical resistance of a normal-superconducting boundary 9—60993
Krahenbuhl, Y., Watts-Tobin, R.J. Microscopic theory of the current-voltage relationship across a normal-superconducting interface 9—73637
Krahl, D. *see* Herrmann, K.-H. 9—58851
Krahn, D.R., Wigen, P.E., Blank, S.L. Exchange stiffness coefficients of YIG:CaGe and YIG:LuSc from 30 to 300K 9—78464
Kraicheva, Z.T., Popova, E.I., Tutukov, A.V., Yungel'son, L.R. Some properties of spectroscopic binary stars 9—97037
Kraichnan, R.H. Variational method in turbulence theory 9—59968
Kraichnan, R.H. Consistency of the α-effect turbulent dynamo 9—72954
Kraichnan, R.H. *see* Herring, J.R. 9—59969
Kraiem, Z. *see* Motzkin, D. 9—74770
Kraimer, M.R. *see* Daly, R.T. 9—89558
Krainov, E.V. *see* Ivanov, O.I. 9—100473
Krainov, V.I. *see* Ermokhin, F.K. 9—87792
Krainov, V.P. *see* Delone, N.B. 9—68216
Kraitor, S.N. *see* Alekhin, I.A. 9—62374
Krajcovic, S., Prigancova, A. On the relation between the geomagnetic activity and the solar wind velocity 9—100813
Krajewski, A. *see* Azzoni, C.B. 9—95634
Krajewski, T., Grzelak, J. Thermal diffusivity of TGS crystals doped with Fe^{3+} ions 9—90833
Krajewski, T. *see* Jaroszyk, F. 9—86935
Krajicek, V. *see* Hamal, K. 9—49314
Krajnovich, D.J. *see* Sudbo, A.S. 9—76476
Krakauer, H., Posternak, M., Freeman, A.J. Linearized augmented plane-wave method for the electronic band structure of thin films 9—69393
Krakov, M.S. *see* Bashtovoi, V.G. 9—64782, 9—77272
Krakow, W. Applications of electronically controlled illumination in the conventional transmission electron microscope 9—89046
Krakow, W., Howland, L.A. Multiplexing electron beam patterns using single-crystal thin films 9—89041
Krakowski, R.A., Moses, R.W., Miller, R.L., Gerwin, R.A. Fusion power from fast imploding liners 9—76119
Krakowski, R.A. *see* Hagenson, R.L. 9—71977
Kral, B. Generalised criteria for the design of a laboratory electromagnet 9—88985
Kral, E.L. *see* Hagler, M.O. 9—76622
Kral, E.L. *see* Marks, R.J., II 9—94165
Kralj, B. *see* Suhel, P. 9—57817
Kraljevic, N. *see* Petrovic, R. 9—78242
Krall, K.R. *see* Antiochos, S.K. 9—53781
Krall, N.A., McBride, J.B. Quasi-linear theory of heat flow and diffusion in a Tokamak 9—98871
Krall, N.A. *see* Klein, H.H. 9—55537
Krall, N.A. *see* McBride, J.B. 9—98962
Kramar, J. Analysis of sputtered Nb films by Auger spectroscopy 9—51448
Kramar, J. The role of using magnetron cathode in the sputtering technique 9—52114
Kramar, J. Film fabrication by sputtering 9—69979
Kramar', V.M. *see* Mel'nichuk, S.V. 9—56496
Kramarenko, P.T. *see* Dyskin, L.M. 9—94462
Kramarenko, V.A. *see* Astvatsaturov, R.G. 9—76259
Kramarenko, V.N. *see* Shumakov, V.I. 9—53079
Kramarovskii, Ya.M. *see* Sorokina, A.V. 9—97744
Kramer, B. *see* Krusius, P. 9—69385
Kramer, B. *see* Weaire, D. 9—60767
Kramer, D.M., Lauterbur, P.C. On the problem of reconstructing images of non-scalar parameters from projections. Application to vector fields 9—66510
Kramer, E.J. A molecular theory of the fracture toughness of low molecular weight polymers 9—66140
Kramer, E.J. *see* Lauterwasser, B.D. 9—83319
Kramer, G. *see* Ali, A. 9—49459, 9—63492, 9—75746
Kramer, H. Surface roughness estimation by the laser-section method 9—49198
Kramer, H.H. *see* Skraba, W.J. 9—49885
Kramer, J. *see* Schepman, A.M.H. 9—54235
Kramer, K.D. *see* Philipp, A. 9—61002
Kramer, L. *see* Baratoff, A. 9—56422
Kramer, L. *see* Watts-Tobin, R.J. 9—56371
Kramer, N.A. *see* Koopman, R.N. 9—49764
Kramer, R. *see* Abermann, R. 9—87026
Kramer, R.F., Widhopf, G.F. Evaluation of daylight or diurnally averaged photolytic rate coefficients in atmospheric photochemical models 9—53458
Kramer, S.D., Young, J.P., Hurst, G.S., Payne, M.G. Resonance ionization spectroscopy of lithium 9—81189
Kramer, S.D. *see* Chen, C.H. 9—94025
Kramer, S.D. *see* Hurst, G.S. 9—52800, 9—54996
Kramer, S.J., Teas, D.C. BSR (wave V) and N_1 latencies in response to acoustic stimuli with different bandwidths 9—94400
Kramerov, A.Ya. *see* Budnikov, V.I. 9—97749
Kramers, H.C. *see* Ijsselstein, R.R. 9—73358
Krammer, H. *see* Schiffner, G. 9—81513
Kramps, J.A. *see* Hoenders, H.J. 9—62236
Kramynina, N.L. *see* Amirkhanov, Kh.I. 9—82396
Kranenburg, C. Sink flow in a rotating basin 9—94629
Kranendonk, J.Van *see* Van Kranendonk, J.
Kraner, H.W. *see* Rohatgi, A. 9—70186
Kraner, H.W. *see* Shroy, R.E. 9—52803
Krankowsky, D. *see* Chandra, S. 9—74998
Kranys, M. About the equivalence of Abraham's and Minkowski's electrodynamics 9—80773
Kranz, R.L. Crack growth and development during creep of Barre granite 9—84237
Kranz, R.L. Crack-crack and crack pore interactions in stressed granite 9—84238
Krapavin, A.M. *see* Mikhailov, V.S. 9—90335
Krapchev, V.B. Quasi-linear theory of parametric processes in unmagnetized plasma 9—94787
Krapf, K.G. The torus freely rolling on a surface 9—90201
Krapivin, L.E. *see* Buzanov, V.I. 9—75552
Krapivin, M.I., Bradii, A.G., Kulakov, G.A., Yakobson, A.A. Use of CdTe detectors for spectrometric γ-ray measurements of spent fuel elements of VVER-440 reactor 9—76094
Krappe, H.J. *see* Brosa, U. 9—97722
Krasa, J., Pekarek, L., Beranek, J. A cusp catastrophe model for a discontinuous wave pattern observed with ionization waves 9—60126
Krasa, J., Perina, V. Nonlinear mixing of two unstable coherent ionization waves 9—86573
Krasa, J., Perina, V., Rothhard, L. Coherent nonlinear coupling of ionisation waves in a neon discharge 9—55497

Krasemann, H. Jets from QQ̄ P waves 9—75737
Krasemann, H., Ono, S. Heavy quarkonia and asymptotic freedom 9—75742
Krasevec, V., Macek, M. On the formation of complex martensites in quenched Cu-Al and Cu-Al-Ni alloys 9—56977
Krashchin, M.D. *see* Ploshai, L.L. 9—76745
Krasheninnikov, A.A., Shablya, A.V. Luminescence of complexes with hydrogen bonding at 4.2-77K 9—87486
Krasheninnikov, I.S. *see* Zhernov, V.S. 9—76108
Krasheninnikov, M.A., Chaplik, A.V. Resonant excitation of hypersound by two-dimensional plasmons 9—78032
Krasheninnikov, S.K. *see* Vasil'ev, V.G. 9—54123
Krasheninnikov, S.Yu. *see* Abramovich, G.N. 9—98770
Krasheninnikov, V.N. *see* Blashchuk, V.N. 9—86217
Krasik, Ya.E. *see* Bistritsky, V.M. 9—72025
Krasil'nikov, D.D., Egorov, T.A., Ivanov, A.A., Kershengol'ts, I.M., Kozlov, V.I., Makarov, K.N., Mikhailov, A.A., Orlov, V.A., Starostin, S.K. The cosmic-ray anisotropy at extremely high energies 9—80115
Krasil'nikov, D.D. *see* D'yakonov, M.N. 9—80151
Krasil'nikov, V.S. *see* Danilenko, V.M. 9—65202
Krasil'nikov, V.V., Laskin, N.V., Peletminksii, S.V. Anomalous behavior of the electrical conductivity due to the interference of electron-impurity and Coulomb interactions 9—95381
Krasil'nikova, N.A., Persiantsev, N.M. Coincidence energy spectra for the (e, 2e) reaction in free-standing Al+Al_2O_3 films 9—69936
Krasilnikova, N.A. *see* Persiantseva, N.M. 9—56149
Krasil'Shchikova, E.A. Diffraction of acoustic wave at a thin wing 9—64368
Krasina, V.I. *see* Akopyan, R.A. 9—52510
Krasinski, J., Radzewicz, C., Chrostowski, J. Experimental verification of enhanced photon bunching from a saturable absorber 9—50356
Krasitskii, O.P. A model for the diurnal variation of the composition of the Martian atmosphere 9—84702
Krasnikov, D.N. *see* Klochkova, V.G. 9—50398
Krasnikov, D.N. *see* Ukhov, B.V. 9—81552
Krasnikov, N.V., Rubakov, V.A., Tokarev, V.F. Nonconservation of fermion number and instantons 9—49408
Krasnikov, N.V., Rubakov, V.A., Tokarev, V.F. Summing of asymptotic series in the quantum field theory 9—54271
Krasnikov, N.V., Rubakov, V.A., Tokarev, V.F. Dynamical spontaneous symmetry breaking 9—97536
Krasnikov, V.A. Dynamic equations for density operators in external fields 9—85069
Krasnikov, V.I. *see* Cholpan, P.F. 9—90732
Krasnikov, V.S., Serebrennikov, V.L. Effect of hydrostatic pressure on the dielectric properties of $CH_3NH_3Al(SeO_4)_2.12H_2O$ 9—56712
Krasnikov, Yu.M. *see* Golovin, A.E. 9—97925
Krasnikova, E.I. *see* Dmitriev, A.E. 9—76755
Krasnikova, S.I. *see* Chernyavskaya, S.G. 9—57019
Krasnobaeva, N., Zadgorska, Z., Nedjalkova, N. Axial distribution of the analytical signal in the 'graphite arc' method in the presence of additives and in different atmospheres 9—87922
Krasnoborod'ko, V.V. *see* Volovov, V.I. 9—86284
Krasnokutski, V.V., Ovsyannikov, S.B., Sukhoveev, S.P. Calculation of target and detector size in determination of 14-MeV neutron energy flux 9—97829
Krasnokutskii, R.N. *see* Apel', V.D. 9—67609, 9—89194
Krasnokutskii, R.N. *see* Apel, W.D. 9—89195
Krasnokutsky, R.N. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—93464
Krasnolob, N.P. *see* Gorban, I.S. 9—78681
Krasnoperova, A.G. *see* Os'kina, T.E. 9—61547
Krasnopevtsev, V.V. *see* Akimchenko, I.P. 9—91136
Krasnopevtsev, V.V. *see* Bayadilov, E.M. 9—86814
Krasnopiorov, E. *see* Alekseevsky, N. 9—51730
Krasnopolsky, V.A., Krysko, A.A. Venera 9, 10: is there a dust ring around Venus? 9—75131
Krasnopol'sky, V.M., Kukulin, V.I. Study of few-nucleon systems by means of analytical continuation of the core constants 9—71803
Krasnopol'sky, V.M. *see* Kukulin, V.I. 9—75955
Krasnoselov, V.A. *see* Agapova, N.P. 9—97814
Krasnov, A.E. Functional properties of volume holograms and their applications 9—94187
Krasnov, A.N. *see* Kharlamov, Yu.A. 9—100078
Krasnov, E.P. *see* Stepan'yan, A.E. 9—65009
Krasnov, K.S. *see* Kudin, L.S. 9—87867
Krasnov, L.V., Lakomkin, Yu.A., Litvin, V.F., Murin, Yu.A., Oplavin, V.S., Stepanov, I.V., Yatsyshin, I.G. Investigation of the yields of hydrogen and helium isotopes resulting from the interaction of 7.5 GeV protons with ^{58}Ni, ^{64}Ni as targets 9—93627
Krasnov, N.N. *see* Mironov, V.N. 9—93895
Krasnov, Yu.K., Matushkina, L.V., Shukhman, V.A. Magnetization of the II kind superconductors in the resistive state 9—56379
Krasnov, Yu.K., Matushkina, L.V., Shukhman, V.A. How the statistics of pinning centres influence on V-I characteristics of superconductors 9—56470
Krasnovskii, A.A. *see* Nikandrov, V.V. 9—79471
Krasnovskii, A.A., Jr. Luminescence from the singlet state of oxygen in energy transfer from dissolved pigments 9—54886
Krasnovskii, A.A., Jr., Kovalev, Yu.V. Phosphorescence of chlorophyll in leaves and in the cells of algae 9—92142
Krasnovskii, A.A., Jr., Venediktov, Ye.A. Quenching of luminescence of singlet oxygen by the porphyrins and metalloporphyrins 9—50058
Krasnoyarov, N.V. *see* Afanas'ev, V.A. 9—97832
Krasnoyarov, N.V. *see* Kebadze, B.V. 9—71924
Krasnyi, Yu.M., Vinogradova, L.G. Phase-shift measurement in determining elastic characteristics of materials 9—52518
Krason, P. *see* Sikora, R. 9—94123
Krasov, V.I. *see* Altyntsev, A.T. 9—101135
Krasovitskii, B.M., Pchelinova, L.D., Afanasiadi, L.Sh., Shevchenko, A.E., Kutulya, L.A. Luminescence spectra of stilbene derivatives containing 2-pyrazoline, 1,3-oxazole, and 1,3,4-oxadiazole groups 9—85992
Krasovitskii, V.B. Excitation of quasi-transverse plasma oscillations by a relativistic narrow beam of electrons in conditions of anomalous Doppler effect 9—55518
Krasovskaya, G.M. *see* Mikitishin, S.I. 9—52508
Krasovskaya, G.M. *see* Petrivskii, R.I. 9—52439
Krasovskii, A.I. *see* Gordeeva, L.T. 9—70227
Krasovskii, A.I. *see* Spitsyn, V.I. 9—74202
Krasovskii, A.Ya., Stepanenko, V.A. Mechanism of propagation of a fatigue crack in nickel by the method of quantitative stereoscopic fractography 9—96143
Krasovskii, A.Ya., Vainshtok, V.A. A failure criterion of materials taking into consideration the form of the stressed state at the crack apex 9—57113
Krasovskii, A.Ya. *see* Vainshtok, V.A. 9—90189
Krasovskii, V.I., Vinyukov, K.I. The Raman-scattering spectrum of the Earth's atmosphere at twilight 9—92596
Krasovskii, V.L., Oraevskii, V.N. Passage of wave of finite amplitude through plasma wave barrier 9—86579
Krasovskiy, V.I. NO, dissociation of H_2O and winter ionospheric absorption anomaly 9—58152
Krasowsky, A.J., Stepanenko, V.A. A quantitative stereoscopic fractographic study of the mechanism of fatigue crack propagation in nickel 9—74238
Krasser, W., Janik, B., Ehrhardt, K.D., Hausuhl, S. Brillouin scattering in the cubic phase of rubidium cyanide 9—56805
Krasser, W., Renouprez, A.J. Raman scattering of hydrogen chemisorbed on silica-supported nickel 9—61368
Krassner, J., Smith, L.L., Hilgeman, T. Near-infrared observations of a new molecular feature in IRC+10216 9—92762
Krassner, J. *see* Pipher, J.L. 9—62889
Krassovskaya, I.V. *see* Syshchikova, M.P. 9—68745
Krasulin, Yu.L. *see* Barinov, S.M. 9—87712, 9—90717
Krasutsky, N.J., Case, W.E., Chivian, J.S. Performance characteristics of a Pr-based infrared quantum-counter imaging system 9—81541
Krat, A.V. *see* Bergner, Yu.K. 9—62566
Krat, V.A., Kokhan, E.K., Pechinskaya, N.I. Profiles of selected Fraunhofer lines for 1973 9—92743
Krat, V.A., Pravdjuk, L.M. On the abundance of deuterium in the solar atmosphere 9—66982
Krataz, J.V. *see* Franz, G. 9—67802
Kratena, J. A contribution to the solution to the stress state of webs of small depth-to-thickness ratios subjected to uniform partial edge loading 9—77028
Kratochvil, P., Pesicka, J. The evaluation of age hardening in copper crystals with not identical concentration of titanium 9—61603
Kratochvilova, E., Roskovec, V., Nekvasil, V. Magnetocrystalline anisotropy of neodymium-substituted yttrium-iron garnet 9—95586
Kratochwill, A., Vold, R.L., Vold, R.R. Effects of hydrogen bonding upon the anisotropic reorientation of 2,6-dichlorophenol 9—99782
Kratohvil, J.P. *see* Kerker, M. 9—92009
Kratschmer, W., Huffman, D.R. Infrared extinction of heavy ion irradiated and amorphous olivine, with applications to interstellar dust 9—53873
Kratz, G. *see* Kohlmaier, G.H. 9—53414
Kratz, J.V. *see* Lucas, R. 9—49638
Kratz, K.-L., Ohm, H., Summerer, K., Zendel, M., Jung, G., Wunsch, K.D., Ristori, C., Crancon, J., Prussin, S.G. Systematic trends in the beta minus strength functions of neutron-rich rubidium isotopes 9—93559
Kratz, K.-L. *see* Prussin, S.G. 9—67714
Kratz, K.-L. *see* Ristori, C. 9—49610
Kraulinya, E.K., Papernov, S.M., Janson, M.L. He-Ne 632.8 nm radiation-induced disintegration of caesium dimer 9—76474
Kraulinya, E.K. *see* Kartasheva, L.I. 9—98210
Kraus, I. *see* Gosmanova, G. 9—49694
Kraus, J.S. *see* Tolk, N.H. 9—63951
Kraus, J.S. *see* Tsong, I.S.T. 9—65930
Kraus, S. *see* Craig, E. 9—97765, 9—97766
Krause, E., Kordulla, W. Approximation errors for boundary layer equations 9—86416
Krause, E. *see* Liu, N.S. 9—98682
Krause, F.F., Oldershaw, A.E. Submarine carbonate breccia beds—a depositional model for two-layer, sediment gravity flows from the Sekwi Formation (Lower Cambrian), Mackenzie Mountains, Northwest Territories, Canada 9—84259
Krause, H. Tunnel hopping current and trap filling in insulating layers 9—65555
Krause, H., Halim Demirci, A. The texture changes in the running surfaces of face-centred cubic metals as the result of frictional stress 9—91699
Krause, H. *see* Afanas'ev, V.A. 9—89400
Krause, H.F. A carbon reaction studied by crossed molecular beams 9—66299
Krause, H.F. *see* Moak, C.D. 9—51178
Krause, J.K., Swenson, C.A. Thermally-induced ortho-para conversion anomaly in solid hydrogen under pressure 9—99392
Krause, M.O. Atomic radiative and radiationless yields for K and L shells 9—76376
Krause, M.O., Oliver, J.H. Natural widths of atomic K and L levels, Kα X-ray lines and several KLL auger lines 9—76383
Krause, S. *see* Reinen, D. 9—60505
Krause, S.J. *see* Scherer, J.R. 9—95373
Krause, W., Miller, J., Ng, P. Rheology of acrylic bone cements 9—79690
Krauser, W.J. *see* Petschek, A.G. 9—72912
Kraushaar, J.J. *see* Boudrie, R.L. 9—85540
Kraushaar, J.J. *see* Cottingame, W.B. 9—85535
Kraushaar, J.J. *see* Emigh, R.A. 9—63573
Kraushaar, J.J. *see* Fields, C.A. 9—93514
Kraushaar, J.J. *see* Gyles, W. 9—85534
Kraushaar, J.J. *see* Johnson, R.R. 9—97653
Kraushaar, J.J. *see* Shepard, J.R. 9—67656
Krausova, N. *see* Aktsipetrov, O.A. 9—95734
Krauss, G. *see* Ramos, L.F. 9—52324
Krauss, G. *see* Williamson, D.L. 9—56646
Krauss, M., Mies, F.H. Electronic structure and radiative transitions of excimer systems 9—81416
Krauss, M., Neumann, D.B. The $^5\Pi_u$-$^5\Sigma_g^+$ transition in N_2 9—76412
Krauss, M., Neumann, D.B. Charge overlap effects in dispersion energies 9—86025
Krauss, M., Neumann, D.B., Stevens, W.J. The dispersion damping functions and interaction energy curves for He-He 9—98176
Krauss, M. *see* Julienne, P.S. 9—94211
Krauss, M. *see* Konowalow, D.D. 9—76362
Krauss, M. *see* Kurylo, M.J. 9—52673
Krausz, A.S. The theory of thermally activated processes in brittle stress corrosion cracking 9—52429
Krausz, A.S. The deformation kinetics of consecutive energy barrier systems 9—77672
Krausz, A.S. Crack-size distribution in homogeneous solids 9—81808
Krausz, A.S., Faucher, B. The steady-state kinetics of double-kink spreading 9—60366
Krausz, E.R. *see* Mowery, R.L. 9—68248
Kraut, E.A. *see* Harrison, W.A. 9—51657
Kraut, W., von Baltz, R. Anomalous bulk photovoltaic effect in ferroelectrics: a quadratic response theory 9—69545
Krautheim, G., Neidhardt, A., Reinhold, U. Impurity diffusion of ^{114}In in Cu 9—65256
Krautheim, G., Neidhardt, A., Reinhold, U., Zehe, A. Impurity diffusion of ^{113}Sn and ^{124}Sb in copper 9—77828
Krautter, J. *see* Gaida, G. 9—88605
Krautz, E. Surface investigations of refractory metals and alloys by means of field ion microscope and atom probe 9—55623
Krautz, E. *see* Hess, H. 9—51627
Krauzman, M. *see* Hennion, B. 9—60446
Kravchenko, A.B., Plotnikov, A.F., Shubin, V.E. Feasibility of construction of a pulsed avalanche photodetector based on an MIS structure with stable internal amplification 9—58794
Kravchenko, A.B., Plotnikov, A.F., Shubin, V.E. A linear array of avalanche MIS photodetectors 9—63308
Kravchenko, A.F., Pakhanov, N.A., Terekhov, A.S. Effect of excitons on the photocurrent spectrum of surface-barrier gallium arsenide-metal diodes 9—82670
Kravchenko, A.F., Prints, V.Ya. Dependence of the energy spectrum of levels introduced by electron irradiation on the composition of $GaAs_{1-x}P_x$ and $Al_xGa_{1-x}As$ 9—60766
Kravchenko, A.F. *see* Bobylev, B.A. 9—59839
Kravchenko, A.F. *see* Gaisler, V.A. 9—65556
Kravchenko, I.I., Ruzer, L.S. Reproducing the scale of aerosol-particle dimensions 9—70384
Kravchenko, N.A. *see* Kuropteva, Z.V. 9—79469
Kravchenko, O.V. *see* Semenenko, K.N. 9—51068
Kravchenko, S.E. *see* Semenenko, K.N. 9—51068
Kravchenko, T.B. *see* Zelyukova, Yu.V. 9—87905

Kravchenko, V.B. *see* Alekseev, N.E. 9—64236, 9—89914
Kravchenko, V.B. *see* Avaeva, I.G. 9—78489, 9—78623
Kravchenko, V.B. *see* Kopylov, Yu.L. 9—82952
Kravchenko, V.F., Yudin, V.M. Three-dimensinal radiative heat-transfer problem with shading 9—81702
Kravchenko, V.I. *see* Anokhov, S.P. 9—49302, 9—93228
Kravchenko, V.Ya. *see* Vinokur, V.M. 9—60819, 9—73275, 9—91291
Kravchik, A.E. *see* Neshpor, V.S. 9—87715
Kravchik, A.E. *see* Ordan'yan, S.S. 9—66032, 9—100099
Kravchinskaya, M.V., Tikhonov, P.A., Kuznetsov, A.K. Phase equilibria and physicochemical properties of solid solutions in the system HfO_2-PrO_x 9—100117
Kravchinskaya, M.V. *see* Tikhonov, P.A. 9—96247
Kravchuk, I.F., Urusov, V.S. Theoretical calculation of partition coefficients of isovalent impurities with due regard for excess entropy of mixing in the solid solution and the melt 9—65015
Kravchuk, I.F., Urusov, V.S. Experimental studies and theoretical calculations of partition coefficients of isovalent impurities in lithium chloride 9—65111
Kravchuk, L.A., Mozok, S.F. Glow discharge used in the electron-beam welding of aluminium alloys 9—73052
Kravchuk, L.V. Prospects of using wedge-shaped models for investigating thermal fatigue of turbine blades 9—66169
Kravets, A.N., Kasymov, M.K., Chumanov, A.V. Reflection holograms on NaCl-Ca crystals 9—98320
Kravets-Kravchevskaya, M.M. *see* Andreev, L.N. 9—75591
Kravis, S.P. *see* Allen, L. 9—50270
Kravtchenko, V.B., Desvignes, J.M., Le Gall, H., Cerceau, J.M. Growth and magnetooptical properties of thin garnets films in the system $(PrGdYb)_{3-x}Bi_x(FeAl)_5O_{12}$ 9—65842
Kravtseva, A.I. *see* Glushchenko, V.G. 9—84955, 9—90308
Kravtsov, A.V., Makarov, M.M., Medvedev, V.I., Obrant, G.Z., Poromov, V.I., Sarantsev, V.V., Sokolov, G.L., Sherman, S.G. Elastic π^-d scattering at 438 MeV/c 9—76026
Kravtsov, G.M. Derivation of a kinetic equation for the gas phase of a gas-solid suspension from the Boltzmann's equation 9—85059
Kravtsov, L.I. *see* Bogush, G.E. 9—75553
Kravtsov, N.V., Naumkin, N.I. Mode self-locking in stimulated Raman emission 9—94223
Kravtsov, V.E., Malshukov, A.G. Phase transitions in an adsorbed monolayer 9—95269
Kravtsov, V.E., Nalimov, V.N., Samoilov, L.N. Numerical method of calculating the spectral coefficient error [spectrophotometric problems] 9—75571
Kravtsova, V.P. *see* Maksimov, S.P. 9—63249
Krawarik, P.H. *see* Stone, F.T. 9—50375
Krawczak, J.A. *see* Kamin, M. 9—78483
Krawczyk, J. *see* Janik, J.A. 9—86705
Krawczyk, S. *see* Jakubowski, A. 9—69523, 9—69599
Krawiarz, J., Malkiewicz, T., Mazur, A. Method for determining the saturation magnetisation in order to estimate the quantity of residual austenite and evaluate the properties of a standard 9—73766
Krawietz, A. The natural geometry of deformation processes 9—86334
Kraxenberger, H. *see* Clough, S. 9—60287
Kraynov, V.P. *see* Volkov, N.G. 9—59102
Krazinski, J.A. *see* Smith, D.L. 9—85797
Krcek, M. *see* Marek, J. 9—57422
Krebbers, T. *see* Simoons, M.L. 9—70667
Krebs, J.J., Prinz, G.A., Forester, D.W., Maisch, W.G. Magneto-optical characterization of thin films of $Fe_{1-x}B_x$, $Fe_{1-x}Si_x$ and Fe-overcoated permalloy 9—82956
Krebs, J.J., Stauss, G.H. Effects of uniaxial stress and temperature variation on the Cr^{2+} center in GaAs 9—95636
Krebs, K., Gianoli, E. Photovoltaic conversion of concentrated solar radiation 9—57436
Krebs, W. *see* Meyer, J. 9—70628
Krebtov, I.A. *see* Zaytsev, G.A. 9—89005
Krech, R.H. *see* Piper, L.G. 9—100351
Krechetov, Yu.F. *see* Eponeshnikov, V.N. 9—59050, 9—80921
Krechetova, G.A. *see* Shpil'rain, E.E. 9—86902
Krechlok, W. *see* Frese, H. 9—72083
Kree, P. Functional methods and field theories 9—54016
Krefting, R., Stanz, A. The microscopic examination of carbide formation in steel with the aid of rating charts according to Stahl-Eisen-Prufblatt 1520 9—61805
Kregers, A.F., Teters, G.A. Complex torsional and tensile loading of a composite material with a plastic matrix 9—61669
Kregers, A.F. *see* Kilevits, M.R. 9—52290
Kreglewski, M. The effect of the large amplitude vibration on the rotational structure of the 3500 Å transition of formaldehyde. I 9—93976
Krehbiel, P.R., Brook, M., McCrory, R.A. An analysis of the charge structure of lightning discharges to ground 9—79938
Krehbiel, P.R. *see* Rust, W.D. 9—62558
Kreher, K. *see* Bindemann, R. 9—65788
Kreider, J. *see* George, K. 9—57395
Kreider, J.F. Solar energy and the second law of thermodynamics 9—57390
Kreider, J.F. Distribution of beam radiation on the receiver plane of a CPC solar concentrator 9—62011
Kreider, J.F. First-order design variables for concentrating solar collectors 9—100483
Kreidl, N.J. *see* Han, Y.H. 9—51300
Kreindel', Yu.E. *see* Gruzdev, V.A. 9—88927
Kreiner, A.J., Garcia Bermudez, G., Mariscotti, M.A.J., Thieberger, P. Long-lived positive parity isomer in ^{76}Br 9—54375
Kreiner, W.A., Mageri, G., Furch, B., Bonek, E. IR laser sideband observations in GeH_4 and CD_4 9—72306
Kreines, N.M. *see* Borovik-Romanov, A.S. 9—82965
Kreingol'd, F.I. Dependence of the band gap of ZnO on the energy of zero-point vibrations 9—73436
Kreinin, E.I., Tolchelnikova-Murri, S.A. The elimination of lateral refraction from absolute declinations observed by the micrometric method 9—96890
Kreinin, L.B. *see* Bordina, N.M. 9—96441
Kreinovich, V.Ya. *see* Dravskikh, A.F. 9—80205, 9—101082
Kreische, W. *see* Frey, U. 9—51894
Kreischer, K. *see* Cohn, D.R. 9—71965, 9—71971
Kreischer, K. *see* Temkin, R.J. 9—60159
Kreisel, T. *see* Peter, S. 9—79671
Kreiss, H.O. *see* Engquist, B. 9—49059
Kreissl, J. *see* Gehlhoff, W. 9—51851
Kreitlow, D.B., Reistad, G.M., Miles, C.R., Culver, G.G. Thermosyphon models for downhole heat exchanger applications in shallow geothermal systems 9—57356
Kreitser, T.V., Tumina, S.D., Lvovskii, V.E. The effect of parameters of the mathematical model of kinetics on evaluation of polyethylene molecular weight 9—52661
Kreitzer, M.H. Complex photographic lenses for low-cost high production—a design example 9—85193
Krekh, W., Grosse, H.H. Radiation interaction of a system of two Josephson junctions 9—82715
Krekov, G.M. *see* Belov, V.V. 9—66792
Krell, A., Schulze, D. $\langle 1\bar{2}10 \rangle$-zone fracture anisotropy of sapphire 9—61726
Krell, M. *see* Gyles, W. 9—85534
Krell, M. *see* Johnson, R.R. 9—97653
Krelowski, J. Dense molecular clouds 9—101187
Kremenchugskii, L.S. *see* Elfimov, O.V. 9—68432, 9—75599
Krementsov, S.I. *see* Ivanov, V.S. 9—68359
Kremer, M.L. *see* Baer, S. 9—91949
Kremmling, H. *see* Dabkiewicz, P. 9—49576
Kremnitzer, S.L. *see* Briscoe, B.J. 9—52386
Kremp, D. *see* Manzke, G. 9—82039
Krempasky, J., Mackova, V. The Wiedemann-Franz law in semiconductor and metal glasses 9—65422
Krempasky, J., Vajda, J., Zentko, A., Duhaj, P. Peculiarities in the temperature dependence of electrical resistivity of metallic glasses 9—65424
Krempl, E. *see* Ostergren, W.J. 9—83324
Krenciglowa, E.M., Bando, H. Third-order treatment of the one-body effective interaction 9—67670
Krenk, S. On the elastic constants of plane orthotropic elasticity 9—55328
Krenk, S. Stress concentration around holes in anisotropic sheets 9—64509
Krenn, J. *see* Skakala, L. 9—71522
Krenz, R. *see* Besserdich, H. 9—99340
Krenz, W. *see* Barber, D.P. 9—89175, 9—97631
Krenz, W. *see* Blietschau, J. 9—93396
Kreopalov, D.V. *see* Volkov, M.K. 9—67550
Krepelkova, H. The holographic interferometry measurements of displacement vectors on the boundaries of components of composite materials 9—79015
Kreplin, H.-P., Eckelmann, H. Instantaneous direction of the velocity vector in a fully developed turbulent channel flow 9—72949
Kreplin, H.-P., Eckelmann, H. Behavior of the three fluctuating velocity components in the wall region of a turbulent channel flow 9—77250
Krepling, R.W., Horan, D.M. Ionospheric disturbance forecasting through use of X-ray and EUV measurements from the NRL SOLRAD satellites 9—58134
Kresak, L., Pittich, E.M. The intrinsic number density of active long-period comets in the inner solar system 9—53772
Kresan, P.L. *see* Oona, H. 9—92024
Kresin, V.Z. The pair π-electron correlation of the superconducting type in the complex molecules 9—54778
Kresin, Yu.V., Strazhev, V.I. Two-potential description of the electromagnetic field 9—71673
Kresin, Yu.V. *see* Vladimirov, S.A. 9—80771
Kress, M. *see* Nolte, E. 9—72004
Kress, R. *see* Colton, D. 9—64370
Kress, T.S. *see* Ozisik, M.N. 9—93774
Kress, T.S. *see* Wright, A.L. 9—85598
Kress, W. *see* Christensen, A.N. 9—86858, 9—99284
Kressel, H. Accelerated aging of laser diodes and LEDs 9—50320
Kressel, H. *see* Ettenberg, M. 9—81431
Kressel, H.Y. *see* Goldberg, H.I. 9—92310
Krestovskii, V.V. *see* Fedorov, A.M. 9—67343
Krestyannikov, V.N. Localization of fringes in interference by a wedge 9—55055
Krest'yannikov, Yu.Ya. *see* Dorman, L.I. 9—84606
Kreth, H. Time-discretisations for nonlinear evolution equations 9—92950
Kretner, R. *see* Dickel, G. 9—74417
Kretschmann, E., Ferrell, T.L., Ashley, J.C. Splitting of the dispersion relation of surface plasmons on a rough surface 9—60739
Kretschmann, E. *see* Haltom, T.L. 9—65940
Kretschmann, E. *see* Kotz, R. 9—61338
Kretschmann, E. *see* Williams, M.W. 9—99954
Kretschmer, R., Binder, K. Ordering and phase transitions in Ising systems with competing short range and dipolar interactions 9—91200
Kretschmer, W. *see* Bittner, G. 9—54735, 9—67591, 9—85444
Kretsu, T. *see* Gromov, K.Ya. 9—75918
Kretunov, O.P. *see* Borishanskiy, V.M. 9—90244, 9—90250
Kretzschmar, J.G., Cosemans, G. A five year survey of some heavy metal levels in air at the Belgian North Sea coast 9—83665
Kretzschmar, U. *see* Steinike, U. 9—64995
Kreulen, R. *see* Schuiling, R.D. 9—66659
Kreuter, R.A. Solar tracking [electronic servo] system 9—57433
Kreutz, E.W., Schroll, P. Field effect on real GaAs surfaces 9—87160
Kreutz, F. *see* Gaehtgens, P. 9—62272, 9—62273
Krey, T. *see* Werner, H. 9—92616
Krey, U. *see* Diebenbusch, K. 9—78228
Krey, U. *see* Stein, J. 9—90986
Kreye, W.C. Velocity distribution symmetry of ions in a hollow-cathode discharge 9—73054
Kreysa, G. Kinetic behaviour of packed and fluidised bed electrodes 9—57235
Kricheff, I.I. *see* Leo, J.S. 9—92362
Krichevskii, E.S., Galushkin, S.S., Terekhov, V.P. Broadening the range of applicability of high-frequency capacitive hygrometers 9—75537
Krider, E.P. *see* Weidman, C.D. 9—84386
Kriebel, K.T. On the determination of the atmospheric optical depth by measurements on the meteorological range 9—84474
Kriechbaum, M. *see* Biernat, H. 9—95313
Krieg, G. *see* Becker, E.W. 9—49825
Krieg, R.D. *see* Key, S.W. 9—50606
Krieg, W. *see* Dubnishchev, Yu.N. 9—77305
Kriegel, U. *see* Cochet, C. 9—80854
Krieger, A.S. *see* Golub, L. 9—53789
Krieger, A.S. *see* Nolte, J.T. 9—75193
Krieger, A.S. *see* Petrasso, R.D. 9—75194
Krieger, C. *see* Aravamudhan, S. 9—87326
Krieger, C.I. *see* Kim, S.-H. 9—49259
Krieger, E. *see* Chestnut, R. 9—89533
Krieger, H. *see* Gunther, W. 9—76263
Krieger, R., Voitlander, J. Calculation of the Knight shift in palladium 9—56620
Krieger, S.J., Davies, K.T.R. Time-dependent Hartree-Fock calculation of fusion cross sections for the reactions $^{18}O+^{12}C$ and $^{16}O+^{12}C$ 9—89342
Krieger, S.J. *see* Bonche, P. 9—93676
Krieger, W. *see* Hager, J. 9—64026
Kriegesmann, J. *see* Schlichting, J. 9—96161
Kriegler, R.J., Devenyi, T.F., Chik, K.D., Shappir, J. Determination of surface-state parameters from transfer-loss measurements in CCDs 9—56279
Kriegsmann, G.A., Williams, M. On the tracing of light rays through deformed glass rods with radially graded refractive indices 9—64338
Kriegsmann, H. *see* Maulhardt, H. 9—80704
Krienen, F. *see* Bell, M. 9—93413
Kriener, B. *see* Hoefker, U. 9—94423
Krienke, H. *see* Wiechert, H. 9—52688
Kriens, R.F.C. Some considerations on the quantitative interpretation of holographic interferograms 9—86138
Krigbaum, W.R., Dawson, J.W. Texture studies of crystalline polymeric materials 9—83221
Kriger, Yu.G., Fedotova, T.D., Moroz, N.K., Gabuda, S.P. Nuclear spin-lattice relaxation and mechanism of internal motion in alkali halide crystals with dumbbell anions 9—99787
Kriger, Yu.G., Gel'man, A.B. Motion of spin between two positions and magnetic relaxation 9—69742
Krijnen, H.J. *see* van den Dool, H.M. 9—74949
Krikis, Yu.Yu. *see* Kozlov, V.M. 9—55672
Krikorov, V.S. *see* Zakharov, N.A. 9—65928
Krikunov, A.N. *see* Orlova, G.A. 9—56269
Krikunov, V.V. *see* Arutyunyan, A.A. 9—77119
Krilov, A. Colorimetric method for high frequency treated bandsaw blades 9—74325

Krimm, S., Hsu, S.L. Longitudinal acoustic mode in polymers. IV. LAM-3 of the general perturbed rod and applications to paraffins and polymers 9—73277

Krinchik, G.S., Gan'shina, E.A., Kalinnikov, V.T., Akhmatova, O.P. Optical and magnetooptical surface effects in ferromagnetic semiconductors 9—82953

Krinchik, G.S., Mukimov, K.M., Sharipov, Sh.M., Khrebtov, A.P., Speranskaya, E.M. Dielectric permeability tensor and transmittance increase in ferrite-spinels on transition to single-lattice structures 9—87465

Krinchik, G.S., Nikitin, L.V. Magnetooptic investigation of ferromagnetic catalysts 9—69858

Krinchik, G.S., Shamatov, U.N. Magnetization processes in small ferromagnetics. [Measurement method] 9—69707

Krinchik, G.S., Tsvetkov, V.B., Zolotarev, V.P. Magnetooptical installation with a digital pulse-amplitude analyzer for investigating rapidly occurring processes 9—67356

Krindach, D.P., Kuznetsov, A.P., Salimov, V.M. Locking of the longitudinal modes of an He-Ne laser using a Fabry-Perot etalon 9—50318

Krindel, P., Silberberg, A. Flow through gel-walled tubes 9—90334

Krinitsyn, Yu.M. *see* Bondarenko, A.N. 9—94243

Krinsky, S., Blumberg, L., Bittner, J., Galayda, J., Heese, R., Schuchman, J.C., van Steenbergen, A. Design status of the 2.5 GeV National Synchrotron Light Source X-ray ring 9—68023

Krinsky, S. *see* Blumberg, L. 9—68031

Krinsky, S. *see* Galayda, J. 9—67973

Krinsky, S. *see* Swendsen, R.H. 9—75470

Krinsley, D.H. *see* Powers, L.S. 9—74865

Kripfganz, J., Contogouris, A.P. The quark-quark correction to the Drell-Yan formalism 9—75731

Kripfganz, J. *see* Contogouris, A.P. 9—63560

Kripyakevich, P.I., Grin', Yu.N. Series of degenerate homogeneous linear structures 9—94941

Krisch, A. Creep tests on alloys without carbon 9—61648

Krisch, A.D. *see* Court, G.R. 9—63832

Krisch, A.D. *see* Crabb, D.G. 9—72055

Krisch, A.D. *see* Ratner, L.G. 9—67608

Krisciunas, K. New members of the Ursa Major group 9—84830

Krishan, K., Nandedkar, R.V. Effect of irradiation at low doses and incubation of voids within the rate theory approach 9—77635

Krishan, K. *see* Bhattacharya, S. 9—89226

Krishan, V. Radio emission from an intense electromagnetic beam-plasma system 9—84663

Krishberg, R.R., Mikryukov, Ch.K. Experimental study of instability in plane-linear MHD induction machines 9—77279

Krishchyan, V.M. *see* Asatiani, T.L. 9—68132

Krishchyan, V.M. *see* Marutyan, N.A. 9—67616

Krishna, K.V., Mathur, P.C., Dawar, A.L., Taneja, O.P. Ionized impurity scattering in heavily doped p-type InSb thin films 9—99643

Krishna, K.V. *see* Mathur, P.C. 9—95528

Krishna, N.Rama *see* Rama Krishna, N.

Krishna, R. Effect of nature and composition of inert gas on binary vapour condensation 9—59916

Krishna, V.G. *see* Kumar, G.S. 9—99849

Krishna Kumar, C. Reddening of H II regions in M31 9—71082

Krishna Murthi, P.G., Uma Devi, S., Singaracharyulu, A.A.V.L.A. A method of enumeration of magnetic constants 9—56586

Krishna Murthy, G.S.R., Sinha, A.P.B. Theoretical study on the behaviour of metal-p-n-Si Schottky barrier solar cell 9—83601

Krishna Murthy, T.G. Manufacture of medical electronic equipment in India 9—96676

Krishna Murty, A.V. *see* Warburton, G.B. 9—81789

Krishna Murty, Bh. *see* Venkateswara Rao, P. 9—55804

Krishna Rao, D.A.V. *see* Srirama Rao, M. 9—88534

Krishna Rao, K.V. *see* Ranga Prasad, T. 9—69242

Krishna Rao, K.V. *see* Venudhar, Y.C. 9—99121

Krishna Rao Vupputuri, R. The structure of the natural stratosphere and the impact of chlorofluoromethanes on the ozone layer investigated ina 2-D time dependent model 9—84436

Krishna Reddy, G.V., Venkatasubramanian, N.K. On the flexural rigidity of a micropolar elastic circular cylindrical tube 9—81724

Krishna Swamy, K.S., Donn, B. An analysis of the infrared continuum of comets. II. Comet Kohoutek [1973 XII] 9—62792

Krishna Swamy, K.S. *see* Tarafdar, S.P. 9—84793

Krishnakumar, E. *see* Kumar, V. 9—72369

Krishnam Raju, G. *see* Vidyanidhi, V. 9—81989

Krishnamurthy, A., Tripathi, R.P., Lokanathan, S. Electric field gradient in vermiculite 9—73865

Krishnamurthy, B.S. *see* Kubakaddi, S.S. 9—78665

Krishnamurthy, M.V. *see* Suri, R.K. 9—61956

Krishnamurthy, S.S. *see* Sridharan, K.R. 9—76446

Krishnamurti, D. *see* Revannasiddaiah, D. 9—90538

Krishnamurti, M.K. Engineering support for medical equipment 9—96683

Krishnamurti, R., Na, J.Y. Experiments in ocean circulation modelling 9—57952

Krishnamurti, T.N. Large-scale features of the tropical atmosphere 9—92584

Krishnan, A. *see* Subramanian, G. 9—72798

Krishnan, R. Investigation of site distribution and valence states of some cations in garnet compounds 9—99167

Krishnan, R., Tessier, M., Sztern, J. Magnetic properties of amorphous $Fe_{38}Ni_{38}B_{24}$ alloy 9—95607

Krishnan, R. *see* Menon, S.K. 9—74164

Krishnan, R. *see* Mukhopadhyay, P. 9—66061, 9—66062, 9—66109, 9—74156

Krishnan, R. *see* Prasad, S. 9—73822

Krishnan, T.S. *see* Kondal Rao, N. 9—49806

Krishnaprased, K. *see* Ansari, J.S. 9—62114

Krishnaswami, S. *see* Turekian, K.K. 9—74967

Krishnaswamy, R., Nath, G. Hypersonic stagnation-point boundary layer with massive blowing in the presence of a magnetic field 9—94649

Krishtal', B.V. *see* Boris, Ya.V. 9—49229

Krishtal, M.A., Epshtein, L.E. Physicomechanical characteristics of the fracture of metals 9—52368

Krishtal, M.A., Gavrilov, G.M. Phenomenological description of creep and stress relaxation curves in metals and alloys 9—100231

Krishtal, M.A., Lepin, G.F. Damageability of metals by measuring elastic, inelastic, and other physicomechanical characteristics 9—66133

Krishtal, M.A., Lyuchkov, A.D., Verkhovskii, S.N., Vakhrusheva, V.S., Yushkevich, P.M. Hardening of quenched low-carbon steel during explosive forming 9—87650

Krishtalik, L.I. *see* Kazarinov, V.E. 9—96332

Krisilov, Yu.D. The generation of analyzing signals for investigating cosmic plasma 9—90469

Kriss, J.P. *see* Buda, A.J. 9—62356

Kriss, J.P. *see* Goris, M.L. 9—70625

Kristal, R. Rapid spatially scanning IR heterodyne interferometer 9—49275

Kristein, W. *see* Benndorf, C. 9—90879

Kristensen, L. On sodar techniques 9—64466

Kristianpoller, N., Kirsh, Y. Thermally stimulated polarisation currents in barium fluoride 9—51900

Kristiansen, M. *see* Dollinger, R.E. 9—50854

Kristiansson, K. *see* Bjarle, C. 9—80155

Kristiansson, K. *see* Jacobsson, L. 9—84609

Kristiansson, L.P. *see* Bark, F.H. 9—50733

Kristofel', N.N. *see* Gulbis, A.V. 9—91399

Kristya, V.I. *see* Kosachevskii, L.Ya. 9—64167

Kritchman, E.M., Friesem, A.A., Yekutieli, G. Efficient Fresnel lens for solar concentration 9—88003

Kritchman, E.M., Friesem, A.A., Yekutieli, G. Highly concentrating Fresnel lenses 9—94315

Kritikos, H.N., Foster, K.R., Schwan, H.P. Temperature profiles in spheres due to electromagnetic heating 9—100578

Kritskaya, V.I. *see* Kurdyumov, G.V. 9—90699

Kritz, A.H. *see* Wersinger, J.M. 9—90395

Krivanek, O.L., Shaw, T.M., Thomas, G. Imaging of thin intergranular phases by high-resolution electron microscopy 9—90895

Krivanek, O.L. *see* Shaw, T.M. 9—90671

Krivchikova, E.P. *see* Belyak, L.F. 9—57154

Krive, I.V. Pseudovector πN coupling and the relativistic model of pion condensation 9—49596

Kriven', V.A. *see* Vitvits'kii, P.M. 9—50607

Krivenko, A.G. *see* Babenko, S.D. 9—95906

Krivenko, I.N. *see* Ostrovskaya, M.A. 9—72665

Krivenko, T.A., Leiderman, A.V., Terenetskaya, I.P., Sheka, E.F. Vibronic configurations and spectral analysis of vibronic absorption in naphthalene 9—51956

Krivenkov, B.E., Chugui, Yu.V. High detail mapping of two-dimensional shadow images 9—94155

Krivnov, V.Ya., Ovchinnikov, A.A. A novel method in the theory of weakly imperfect one-dimensional Fermi gases. The correlation functions 9—49160

Krivobokov, V.P. *see* Darymov, V.I. 9—51401

Krivoglaz, M.A. *see* Dykman, M.I. 9—93981

Krivokhatskii, A.S. *see* Aleksandrov, B.M. 9—63709, 9—71980

Krivokhatskii, A.S. *see* Nikolaev, V.A. 9—97941

Krivokhizhin, V.G. *see* Birulev, V.K. 9—67547

Krivonogov, G.S. *see* Potak, Ya.M. 9—100196

Krivonos, N.M. *see* Larin, G.V. 9—52519

Krivonosova, A.S. *see* Esin, V.O. 9—77537

Krivonosova, E.I. *see* Bedretdinov, Z.M. 9—55585

Krivoruchko, S.M. *see* Bakai, A.S. 9—68935

Krivoruchko, V.M. Kinetics of growth of crystalline Mo_3Si layers under the influence of thermal heating and a direct electric current 9—52112

Krivoruchko, V.M. Effect of a direct electric current on the kinetics of formation of $MoSi_2$ on molybdenum 9—99436

Krivoshapkin, P.A. *see* Gavril'ev, A.I. 9—80136

Krivoshapkin, P.P., Tanskii, I.A., Mamrukova, V.P. Distribution of cosmic-ray current in sectors of the interplanetary magnetic field 9—80120

Krivoshchekov, V.K. Invariant regularization for supersymmetric gauge theories 9—71646

Krivosheev, S.G. *see* Grigoryan, S.S. 9—88347

Krivoshlykov, S.G., Sissakian, I.N. Mode coupling between two connected multimode parabolic-index optical waveguides 9—94353

Krivousova, I.V. *see* Vasilkova, I.V. 9—96016

Krivov, G.A. *see* Beletskii, V.M. 9—100262

Krivov, M.A. *see* Brudnyi, V.N. 9—56227

Krivov, M.A. *see* Voitsehovski, A.V. 9—78122

Krivsky, L. *see* Knoska, S. 9—80290

Krivtsun, M.G. *see* Kit, G.S. 9—50576, 9—68577

Krivulin, V.N., Kudryavtsev, E.A., Baratov, A.N., Glukhov, I.S., Pavlova, V.L. A study of combustion limits in large volumes. II. Propane-air mixtures 9—100368

Krivusha, Yu.V., Likhachev, R.B., Kaplienko, E.I., Odnorozhenko, L.F., Zabludovskii, V.A., Shcherbakov, A.I. Phase composition and distribution of components in Al-Ti-B alloys 9—52164

Kriz, R.D., Stinchcomb, W.W. Elastic moduli of transversely isotropic graphite fibers and their composites 9—83246

Kriz, S. *see* Harmanec, P. 9—53817

Krizan, J.E. Temperature and relativistic thermodynamics 9—63182

Krizan, J.E. Time-dependent Ising model and Cayley trees 9—75472

Krizancic, I., Haluk, M., Cho, S.H., Trass, O. Shock tube coupled to the time-of-flight mass spectrometer via a molecular beam sampling system 9—80717

Krizek, V. The application possibilities of the pressurised water reactor modulator steam generators 9—76057

Krizhanskii, L.M. *see* Aleksandrov, B.M. 9—71980

Krlyov, A.F. Determination of the phenomenological coefficients in the Onsager equation 9—63183

Krocek, P. The dissipative instability of a relativistic electron beam 9—86123

Krochik, G.M. Parametric amplification based on four-wave parametric processes in two-photon resonance 9—94296

Krochik, G.M., Khronopulo, Yu.G. Possibilities of efficient frequency conversion in active media 9—59764

Kroeger, E.A. *see* Antonissen, L.A. 9—100648

Kroeger, G.C. *see* Stein, S. 9—96741

Kroehl, H.W. *see* Rastogi, R.G. 9—84572

Kroes, A. *see* Vrakking, J.J. 9—78814

Kroger, B. *see* Jonker, M. 9—93399

Kroger, F.A. Cathodic deposition and characterization of metallic or semiconducting binary alloys or compounds 9—69998

Kroger, F.A. *see* Hou, L.D. 9—78109

Kroger, F.A. *see* Mohapatra, S.K. 9—60755

Kroger, F.A. *see* Ray, A.K. 9—91042

Kroger, H. *see* Perne, R. 9—89227

Kroger, P.M., Riley, S.J. Dynamics of three-body half collisions. II. Instantaneous three-body decomposition in the photodissociation of trifluoroacetyl iodide 9—70356

Krogh, J.Von *see* Von Krogh, J.

Krogh-Jespersen, K., Rava, R.P., Goodman, L. The 51000 cm^{-1} state in benzene: E_{1g} Rydberg or E_{2g} valence? 9—86021

Krogstad, R. *see* Petrasso, R.D. 9—75194

Krogt, C.A.J.van der *see* van der Krogt, C.A.J.

Kroh, J., Stradowski, Cz. On electron trap depth in irradiated alkaline ice 9—66317

Kroh, J. *see* Bartczak, W.M. 9—66395

Kroh, J. *see* Mayer, J. 9—66321

Kroh, J. *see* Ogasawara, M. 9—78709

Kroh, J. *see* Plonka, A. 9—52692

Kroh, J. *see* Stradowski, C. 9—91980

Krohn, B.J. *see* Fox, K. 9—98185

Krohn, B.J. *see* Patterson, C.W. 9—98009

Krohn, C.E., Thompson, J.C. Photo-assisted electron injection at a semiconductor-NH_3 interface 9—87152

Krohn, M., Bethge, H. Some problems in nucleation phenomena 9—77954

Krohn, R.Hoegh *see* Hoegh Krohn, R.

Krohn, U. *see* Pabst, R.F. 9—70136

Kroitoru, S.G. *see* Sobolev, V.V. 9—99967

Krok, J. *see* Drzazga, Z. 9—82817

Krokhin, O.N. *see* Basov, N.G. 9—86587

Krokhmal'nikov, Ye.B., Novozhilov, V.I. Doppler frequency shift of oblique signals propagating through the region of action of a strong electromagnetic field 9—53630

Krokoszinski, H.-J., Barner, K., Freund, F. Evidence for field induced trapping of a defect dipole in MgO-crystals 9—99820

Krokstad, A., Strom, S. Acoustical design of the multi-purpose 'Hjertnes' hall in Sandefjord 9—68486

Krol, D.M. *see* de Jong, K.P. 9—83012

Krol, S. *see* Gorecki, T. 9—70044

Krolak, A., Meglicki, Z., Proszynski, M. Note on the non-existence of quark stars 9—62855

Krolak, B. *see* Fornalik, J. 9—99919

Krolevets, A.N. *see* Dobrovol'skii, V.N. 9—69589, 9—73532, 9—88984

Krolicki, R.P. Sandwich technique radiography of hot objects 9—96251

Krolikiewicz, H., Maruyama, Y., DeLand, F.H., Beihn, R.M., Hafner, T., Kim, E.E. ^{67}Ga-subtraction scanning in Hodgkin's disease and lymphomas 9—74738

Krolikowski, W. Relativistic radial equations following from the Salpeter equation 9—63333
Krolikowski, W. Can neutrinos be bound states of massive supersymmetric pairs? 9—85242
Krolikowski, W. Relativistic radial equations for two spin-1/2 particles consistent with the hole theory 9—93272
Krolikowski, W. Relativistic two-body equation for one Dirac and one Klein-Gordon particle 9—93275
Krolikowski, W. Spectrum law for leptons and quarks 9—93338
Kroll, N.M., McMullin, W.A. Stimulated linear acceleration bremsstrahlung 9—92658
Kroll, P. Interpretation of the spin structure in nucleon-nucleon scattering 9—67568
Kroll, P., Leader, E., von Schlippe, W. Interpretation of the spin structure in nucleon-nucleon scattering 9—85342
Krolzig, A. *see* Hofmann, W. 9—76273
Krom, M.N. *see* Gavrilenko, V.G. 9—82068
Kromhout, R.A. Some tradeoffs in a liberal studies astronomy course 9—71171
Kromhout, R.A. *see* Good, R. 9—49000
Krommes, J.A. Plasma transport in stochastic magnetic fields. II. Principles and problems of test electron transport 9—77341
Krompholz, H. *see* Herziger, G. 9—60201
Krompiewski, S. A localized magnon mode in the extended Wolff-Clogston model 9—61097
Krompiewski, S. *see* Ferchmin, A.R. 9—87223
Kron, R.G. *see* Liebert, J. 9—58339
Kronast, B., Nishihara, H. An investigation of the axial mode behaviour of a helical TEA-CO_2 laser 9—55108
Kronast, B. *see* Gellert, B. 9—72584
Kronast, W. *see* Hultzsch, W. 9—64090
Kronauer, R.E. *see* Stromeyer, C.F., III 9—57661
Kronberg, P.P., Emerson, D.T., Klein, U., Wielebinski, R. The radio structure of Messier 82 at 23 GHz (1.3 cm) 9—71119
Kronberg, P.P. *see* Simard-Normandin, M. 9—58418
Kronberg, P.P. *see* Waldthausen, H. 9—58432
Kroner, A. *see* Clauer, N. 9—62511
Kroner, E. Effective properties of random elastic media 9—68575
Kronfeldt, H.-D. *see* Buchholz, B. 9—49988
Krongauz, E.S. *see* Timofejeva, G.I. 9—61862
Krongauz, E.S. *see* Tsvetkov, V.N. 9—55643
Krongelb, S., Romankiw, L.T. Sputter etching in an argon-oxygen plasma and its implications to device fabrication [magnetic bubbble devices] 9—83347
Kronkalns, G.E. Thermophysical of metal-ammonia solutions 9—77758
Kronmuller, H. Magnetic aftereffects of hydrogen isotopes in ferromagnetic metals and alloys 9—82835
Kronmuller, H. *see* Cretu, M. 9—67338
Kronmuller, H. *see* Decker, W. 9—55920
Kronmuller, H. *see* Habermeier, H.U. 9—61010, 9—82731
Kronmuller, H. *see* Herbst, G. 9—56573
Kronmuller, H. *see* Herz, R. 9—95583
Kronmuller, H. *see* Monachesi, P. 9—95699
Kronmuller, H. *see* Walz, F. 9—87294
Kroo, N. Research and practice as seen in laser light 9—89880
Kroo, N. *see* Chernoplekov, N.A. 9—51223
Kroon, P.A., Vos, A. Thermal diffuse scattering for molecular crystals: Errors in X-ray diffraction intensities and atomic parameters 9—73155
Krop, K. *see* Karas, W. 9—78573
Krop, K. *see* Leja, E. 9—90914
Kropac, W. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Kropacheva, E.N. *see* Lein, B.I. 9—65011
Kropotkina, E.P. Warming of the atmosphere at hydroxyl glow heights (90 km) during the winter of 1976-77 9—88518
Kropp, W.R. *see* Hruschka, A.A. 9—49906
Krori, K.D., Choudhury, T. Comment on the solution of static, axially symmetric Einstein-Maxwell fields 9—71339
Kroshkina, N.N. *see* Zotov, Yu.P. 9—87751
Kroshko, V.N. *see* Vagin, S.P. 9—89888
Krosing, G. *see* Kumbartzki, G.J. 9—99800
Krotevich, N.F., Semenov, V.Yu., Fonarev, G.A. Results of experimental observations of the magnetic field from sea waves 9—53350
Krotikov, V.A. *see* Filina, L.V. 9—52152
Kroto, H.W., Nixon, J.F., Simmons, N.P.C. The microwave spectrum of 1 phosphapropyne, $CH_3P{\equiv}P$. Molecular structure, dipole moment, and vibration rotation analysis 9—93989
Krotov, I.I. *see* Vanyukov, A.V. 9—52124, 9—78941
Krotov, V.I., Lebedev, S.Ya. Some features of nickel blistering under irradiation with helium ions 9—73228
Krotova, N.A. *see* Chrustalev, Ju.A. 9—52317
Krotova, N.A. *see* Khrustalev, Yu.A. 9—56917
Krotova, N.A. *see* Klyuev, V.A. 9—65981
Krotscheck, E. Born-Green-Yvon equations for strongly interacting Fermi systems 9—49161
Krotscheck, E. Born-Green-Yvon equations for strongly interacting Fermi systems. II. Numerical applications 9—71363
Krousky, E. *see* Hrdy, J. 9—82958
Krovchenko, V.A., Ostrovskii, Yu.N. Influence of surface roughness on heat exchange with boiling light hydrocarbons and nitrogen 9—68562
Kroyan, S.A. *see* Timofejeva, G.I. 9—61862
Krozer, S., Gruber, E. On the temperature dependence of viscoelastic properties of concentrated polystyrene solutions in Dekalin 9—77051
Krsnik, R., Babic, E. A correlation of low temperature resistivity of normal metals with the anisotropy of electron-phonon scattering 9—56190
Krsnik, R., Babic, E. Influence of the anisotropy of electron-phonon scattering on the low temperature resistivity of normal metals 9—60818
Krtil, J., Sus, F., Bulovic, V., Klosova, E., Maksimovic, Z. Correlation of the uranium and plutonium isotope compositions with burn-up for natural uranium fuel 9—63746
Krtil, J. *see* Sus, F. 9—89373
Kruchek, M.P. Rotational optical activity of molecules 9—72298
Kruczyk, J. *see* Jelenska, M. 9—66607, 9—92528
Krueger, D.A. Theoretical estimates of equilibrium chain lengths in magnetic colloids 9—79309
Krueger, D.A. *see* Wei-Hsi Liao 9—79310
Krueger, K. *see* Brookshire, R.H. 9—96704
Krueger, R.J. Some results on linear delay integral equations 9—55033
Kruer, W.L. Wavebreaking amplitudes in warm, inhomogeneous plasmas 9—68915
Kruer, W.L. *see* Langdon, A.B. 9—82057
Krug, O. *see* Alix, A.J.P. 9—81194
Krug, W., Euringer, H., Jung, W., Campana, R.J. Testing of GCFR fuel assemblies in the BR-2 helium loop, Mol 9—67924
Kruger, A.J., May, A.D. Energy and air pollution consequences of traffic systems management 9—52990
Kruger, A.W., Miley, G.H. Nuclear-pumped laser coupling to inertial confinement fusion 9—85775
Kruger, B. *see* Bohlander, P. 9—66253
Kruger, H. Mathematical treatment and forecasting of anomalies of the monthly means of the air temperature with annual intervals 9—62557
Kruger, H., Herrmann, R., Fellmuth, B., Kraak, W. Measurement of the cyclotron masses in n-conducting BiSb under high hydrostatic pressure 9—77991
Kruger, H. *see* Levin, F.S. 9—75694
Kruger, J. Joint distributions and tachyons 9—58541
Kruger, J., Fischer, B. A Freiburg researcher discovers the 'shift effect' 9—57651
Kruger, J., Leuschner, A.H. A comparative assessment of the behaviour of optical particle counters for aerosols 9—57550
Kruger, J.K. Evidence for structures in paraffin-melts by Brillouin-spectroscopy 9—55642
Kruger, M. *see* Apel', V.D. 9—67609
Kruger, M. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Kruger, R.P. *see* Whitman, R.L. 9—63804
Kruger, S., Bird, C.E. Corrosion of metals by applied alternating currents 9—70205
Kruger, W. Optimised best utilisation using compression heat pumps 9—96483
Kruger, W. *see* Aberle, W. 9—89754
Kruglik, E.K. *see* Kazachenko, L.P. 9—54919
Kruglik, G.S. *see* Fedchenya, I.I. 9—50326
Kruglov, A.A. *see* Guschin, E.M. 9—78855
Kruglov, B.A. *see* Ivanov, N.M. 9—52605
Kruglov, B.M. *see* Kryzhanovskii, B.P. 9—50359
Kruglov, E.M. *see* Belyaevskii, A.I. 9—84597
Kruglov, M.V., Shchemelev, V.N. Photoelectron emission due to Bragg diffraction of X-rays in silicon 9—69960
Kruglov, S.L. *see* Keilin, V.E. 9—61019
Kruglov, S.N. *see* Ugaste, Yu.E. 9—69297
Kruglov, S.P. *see* Barsov, S.G. 9—87370
Kruglov, S.P. *see* Gordeev, V.A. 9—56675
Kruglov, V.G. *see* Anisimov, O.K. 9—54633
Kruglov, V.P. *see* Golubev, L.I. 9—71878
Kruglov, V.P. *see* Litvin, F.F. 9—57584
Kruglov, V.V. *see* Alekseev, G.D. 9—63869, 9—97938, 9—97939
Kruglova, T.G. *see* Bron, Yu.M. 9—79210
Kruglyi, A.E. *see* Glotov, E.P. 9—59668
Kruijk, A.de *see* de Kruijk, A.
Kruizinga, B. *see* Stark, W.S. 9—92219
Krukonis, V. *see* Denis, V. 9—65503
Krukowska-Fulde, B. *see* Langer, J.M. 9—78755
Krukowska-Fulde, B. *see* Langer, T. 9—52025
Krulikovskaya, M.P. *see* Kurdyumov, G.V. 9—90699
Krulikovskii, B.K. *see* Konchits, A.A. 9—65721
Krumbiegel, G. Response of haploid and diploid protoplasts from Datura innoxia Mill. and Petunia hybrida L. to treatment with X-rays and a chemical mutagen 9—88121
Krumhansl, J.A. Solitons in physics 9—75366
Krumhansl, J.A. *see* Gubernatis, J.E. 9—83408
Krumhansl, J.A. *see* Rose, J.H. 9—79188
Krumin', Yu.K. *see* Gel'fgat, Yu.M. 9—77281
Krumin', Yu.L., Mikel'son, A.E., Rykalov, N.K. Movement of liquid metal under the action of azimuthal and axial forces 9—77284
Krumins, A., Gunter, P. Diffraction efficiency and energy transfer during hologram formation in reduced $KNbO_3$ 9—72528
Krumm, C.F. *see* Eckhardt, G. 9—73584
Krumm, N., Salpeter, E.E. Neutral hydrogen observations of 14 nearly edge-on spiral galaxies 9—97075
Krumme, H.J. *see* Weckesser, W.D. 9—62338
Krummenacher, D. *see* Crowe, B.M. 9—70798
Krumphold, R. *see* Edelmann, J. 9—96240
Krumpholz, O. *see* Eickhoff, W. 9—55252, 9—81564
Krumpholz, O. *see* Maslowski, S. 9—81563
Krumpolc, M. *see* Court, G.R. 9—63832
Krumshtein, Z.V. *see* Baldin, B.Yu. 9—68140
Krumshtein, Z.V. *see* Kachalkin, A.K. 9—94866
Krumstein, Z.V. *see* Albrecht, D. 9—75985
Krupa, E. *see* Vavryshuk, Ya. 9—49597
Krupa, N.N. *see* Borshch, A.A. 9—81511
Krupenio, N.N. An estimate of the density of Martian soil from data of radiophysical measurements in the 3-cm region 9—88614
Krupennikova, V.A. *see* Grodnenskii, I.M. 9—91174
Krupin, V.A. *see* Abramov, V.A. 9—68908
Krupka, J., Milewski, A. Assessment of the possibilities of applying approximate analysis method to measurement of complex permittivity in TE_{01n} cylindrical cavity 9—49254
Krupka, J., Milewski, A. Accurate method of the measurement of complex dielectric permittivity $\hat{\varepsilon}$ of semiconductors in H_{01n} cylindrical cavity 9—93160
Krupke, W.F. *see* Ewing, J.J. 9—59757
Krupke, W.F. *see* Jacobs, R.R. 9—64243, 9—98343
Krupkin, V.G. *see* Margolin, A.D. 9—91956
Krupnov, A.F. *see* Burenin, A.V. 9—59443
Krupnova, L.V., Silin, V.P., Tikhonchuk, V.T. Re-emission of light in a parametrically turbulent laser plasma 9—55509
Krupp, W.E. *see* Van Orden, J.M. 9—100248
Kruppa, A.T. *see* Gyarmati, B. 9—92979
Krupski, M., Stankowski, J. Thermal expansion of $[Ni(NH_3)_6](ClO_4)_2$ 9—60525
Krupskii, I.N., Prokhvatilov, A.I., Freiman, Yu.A., Erenburg, A.I. Structure, elementary excitation spectrum, and thermodynamic properties of solid oxygen 9—55696
Krusche, A., Riege, H., Schneider, G.C. Automatic procedures in the CPS multiturn shaving ejection 9—72074
Kruse, H. The probability of frozen precipitation 9—66770
Kruse, H., Pinkston, W.T., Greiner, W., Oberacker, V. How prompt is Coulomb fission? 9—67783
Kruse, P.W. *see* Walukiewicz, W. 9—82983
Kruse, T.H. *see* Johnson, B.M. 9—54828
Krushin, S.P. *see* Andrievskii, R.A. 9—77641
Krusin-Elbaum, L., Raghavan, R., Williamson, S.J. Evidence for a state in aluminosilicate spin-glasses in very weak magnetic fields 9—78416
Krusius, M., Wheatley, J.C., Paulson, D.N. Properties of sintered copper powders and their application in a nuclear refrigerator with precise temperature control 9—58696
Krusius, P., Isomaki, H., Kramer, B. Electron states, one-electron density matrix and Fourier-transformed Compton profile of ordered and disordered one-dimensional potential arrays 9—69385
Krusius, P., Isomaki, H., von Boehm, J. Charge density of group IVA transition-metal dichalcogenides 9—94950
Krusius, P. *see* Isomaki, H. 9—95322
Kruska, B.G. *see* Lutz, H.D. 9—78687
Kruskal, M. *see* Ablowitz, M.J. 9—75356
Kruskal, M.D. *see* Ablowitz, M.J. 9—80761
Kruszynska, N. *see* Borysiewicz, M. 9—89344
Krutasova, E.I., Novitskaya, G.M., Bologov, G.A. Effects of thermal cycling on the life of components made from pearlitic steels under creep conditions 9—57075
Krutchinin, S. *see* Ammosov, V. 9—71737
Krutchinin, S.P. *see* Berge, J.P. 9—71741
Krutchinin, S.P. *see* Efremenko, V.I. 9—75763
Krutein, J., Linder, F. Measurements of vibrational excitation of N_2, CO, and NO by low energy proton impact 9—89749
Krutein, J. *see* Dowek, D. 9—86037
Krutiev, V.A. *see* Shtern, E.N. 9—53014
Krutin', A.A. *see* Kukoz, F.I. 9—83463
Krutogolov, V.D., Ivanov, P.A., Igonova, L.N., Fasakhov, S.N. Field viscosimeter 9—68829
Krutov, G.A., Sovestnov, A.E., Shaburov, V.A. Simultaneous Sm^{2+}-Sm^{3+} and Yb^{2+}-Yb^{3+} electron transitions in $Sm_{1-x}Yb_xS$ 9—60711
Krutov, V.A. Application of the semiphenomenological model of the nucleus to a unified description of nuclear reactions and states and to transitions in the discrete spectrum 9—75844
Krutsan, A.M. *see* Kurov, O.V. 9—52445
Krutsenko, I.V., Melkov, G.A. Parametric excitation of a second group of spin waves in ferrites 9—99694
Krutyakova, V.P., Smirnov, V.N. Electron emission from a sodium chloride crystal irradiated by a pulsed CO_2 laser 9—74032

Kruus, P., Poppe, B.E. Modelling of interactions in solutions: alkali halides in DMSO 9—77469
Kruus, R.A. *see* Mikk, I.R. 9—98710
Kruzhaev, V.V. *see* Everev, L.P. 9—60923
Kruzhalov, S.V. *see* Gusev, A.A. 9—72611
Kruzhanov, V.S. *see* Geguzin, Ya.E. 9—55942
Kryachko, E.S. On N-completeness of symmetrised geminal expansions 9—63068
Kryachko, V.M. *see* Grebionkin, Yu.P. 9—94708
Kryazhev, Yu.G. *see* Shakhovskaya, L.I. 9—81929
Krycuk, G. *see* Lahey, R.T., Jr. 9—93791
Kryder, M.H. *see* Cohen, M.S. 9—78466
Kryder, M.H. *see* Sanders, I.L. 9—78474
Kryder, M.N., Ahn, K.Y., Mazzeo, N.J., Schwarzl, S., Kane, S.M. Magnetic properties and domain structures in narrow NiFe stripes 9—82843
Krygeris, A.J. Digital pathway options for radiation monitoring 9—59278
Krykin, M.A. *see* Grivtsov, A.C. 9—74011
Krylov, A.F. Molecular-kinetics basis for the linear Onsager relation 9—67242
Krylov, A.L. *see* Gurevich, A.V. 9—80075
Krylov, B.S., Kuz'min, S.L., Likhachev, V.A., Masterova, M.V., Ponomarev, A.P. Electron-microscopic study of the structure of titanium nickelide 9—100189
Krylov, B.V. Critical potential of repeat responses of nerve-fiber node of Ranvier 9—70538
Krylov, B.V. *see* Valyavko, V.V. 9—93227
Krylov, E.A. *see* Kazennov, Yu.I. 9—83327
Krylov, O.V. *see* Genkin, M.V. 9—53029, 9—92121
Krylov, S.Yu. *see* Borman, V.D. 9—77329, 9—94765
Krylov, V.M. *see* Emel'yanov, I.Ya. 9—63739, 9—63764
Krylov, V.S. Influence of the electric double layer on the faradaic impedance of weakly polarized electrodes 9—70351
Krylov, V.S. *see* Engel'gardt, G.R. 9—61523, 9—70352
Krylov, V.V. *see* Degtyarev, L.M. 9—76769
Krylov, Yu.N. *see* Bursak, A.V. 9—89243
Krylov, Yu.N. *see* Gorbatov, A.M. 9—49585
Krylova, L.M. *see* Urazova, V.A. 9—96051
Krylova, S.V., Ovchinnikov, Yu.V., Kulikova, A.E., Pavlinov, L.I., Litvinov, N.P., Lyutova, T.M. The effect of plasticizers on the behaviour of polyvinyl chloride subjected to γ-irradiation 9—87864
Krylovich, V.I. *see* Derban, V.I. 9—81706
Krymov, E.B. *see* Bogdanov, P.V. 9—54656
Krymskii, A.M., Mikhailovskii, A.B. Suppression of the internal helical instability of the m=1 mode in a Tokamak at high β_J 9—98947
Krymskii, G.F., Elshin, V.K., Romashenko, Yu.A., Bezrodnykh, I.P. Investigation of the temporal characteristics of the acceleration of charged particles on a shock front 9—80121
Krymskii, G.F., Elshin, V.K., Romashchenko, Yu.A., Transkii, I.A., Gusev, A.I., Altukhov, A.M. Magnetic mirrors in shock waves and their role in particle acceleration 9—80122
Krynetskii, B.B. *see* Dul'nev, G.N. 9—64238
Krynetskii, I.B. *see* Belov, K.P. 9—61107
Krynicki, J. *see* Bourgoin, J.C. 9—56165
Krynicki, K. *see* Topol, R. 9—73842
Krynin, L.I. Probability method of calculating the modulus of the decentering in the construction of an objective 9—76798
Krynin, L.I., Sergeeva, N.A., Derevyanko, N.V. Selection of frequencies for evaluating the production quality of amateur camera objective lenses under serial production conditions, using the MTF 9—81581
Krynski, J. Improvement of the geoid in local areas by satellite-to-satellite tracking 9—62423
Krys, A. *see* Baiburina, S.G. 9—80156, 9—80170
Krys, A. *see* Wrotniak, J. 9—80157
Krysin, V.P. *see* Obukhov, V.M. 9—58692
Krys'kiv, A.S. *see* Romaniv, O.N. 9—83280
Krysko, A.A. *see* Krasnopolsky, V.A. 9—75131
Krysl, V. *see* Zbytovsky, A. 9—63735
Krysmanski, K.H., Walter, W. Interferometric determination of gas temperature in a nitrogen low-pressure discharge 9—68951
Krysov, V.I. One possible reason for deviation of isothermal growth of grain from parabolic law 9—52259
Krysov, V.I. *see* Kuksa, L.V. 9—55890
Kryszewski, M. *see* Pakula, T. 9—51008, 9—69031, 9—70107
Kryszewski, M. *see* Wojciechowski, P. 9—87124
Kryuchenko, Yu.V. *see* Zuev, V.A. 9—69434
Kryuchkov, G.Yu. *see* Kirzhnits, D.A. 9—80866
Kryuchkov, S.V. Weakly bound states of elementary excitations in semiconductors with superstructure 9—60733
Kryuchkov, S.V. Oscillations of the electron absorption of ultrasound in a strong electric field 9—69563
Kryuchkov, S.V., Porkhun, V.I. Electron-photon mechanism of hysteresis of cyclotron absorption 9—69726
Kryuchkov, V.F. *see* Bogatyrev, A.F. 9—81696
Kryuchkov, Yu.N. Measurement of the electrical parameters of dielectrics by the variable-frequency method 9—93169
Kryuchkov, Yu.N., Leporskii, A.N. Measurement of the absolute thickness of dielectrics 9—67253
Kryuchkov, Yu.Yu., Timoshnikov, Yu.A., Chernov, I.P. Determination of the localization of oxygen in the germanium lattice after large implantation doses 9—95040
Kryuchkov, Yu.Yu. *see* Chernov, I.P. 9—65113
Kryukov, A.P. *see* Labuntsov, D.A. 9—86330
Kryukov, I.I. *see* Gartsman, K.G. 9—85150
Kryukov, M.M. *see* Grigorenko, Ya.M. 9—98618
Kryukov, P.G., Lazarev, Yu.A., Letokhov, V.S., Matveyets, Yu.A., Terpugov, Ye.L., Chekulayeva, L.N., Sharkov, A.V. Pico-second flash-photolysis of bacteriorhodopsin from Halobacterium halobium at room and low temperatures 9—57581
Kryukov, P.G., Letokhov, V.S., Matveets, Yu.A., Nikogosyan, D.N., Sharkov, A.V. Selective two-stage excitation of an electronic state of organic molecules in aqueous solution by picosecond light pulse 9—64056
Kryukov, P.G., Matveets, Yu.A., Nikogosyan, D.N., Sharkov, A.V. Tunable double-channel ultrashort-pulse optical oscillator 9—64283
Kryukova, V.N. *see* Verbovetskii, A.A. 9—76639
Kryvokobyl'skii, E.P. *see* Andrushko, L.M. 9—98481
Kryzhanovskii, B.P., Kruglov, B.M. Formation and properties of layers containing tungsten sulfide or selenide and oxides 9—50359
Kryzhanovskii, V.I., Parfenov, V.A., Serebryakov, V.A., Chertkov, A.A. Electro-optic reflection deflector made from a KDP crystal 9—76861
Kryzhanovsky, B.V., Melikyan, A.O. The effects of intensity in resonance fluorescence 9—59661
Kryzyszton, T., Kozlowski, G., Tekiel, P. Influence of superconductivity on the critical magnetic fields in a uniaxial antiferromagnet 9—87219
Krzeminski, S., Sikora, J., Sroka, J., Wincenciak, S. Application of boundary solutions procedure to analysis temperature field 9—94448
Krzeminski, S.K. The convolutional functional of the scalar electrodynamic potential 9—50205
Krzesniak, J.W., Porstendorfer, J. Selection of some filter materials used in sampling of airborne radioactive iodine and methyl iodide 9—83673
Krzhizhek, F. Evaporation of a liquid from a surface in an air jet at various Schmidt numbers 9—72919
Krzyszton, T., Kozlowski, G., Tekiel, P. Surface impedance of antiferromagnetic superconductors 9—82709
Krzywdzinski, S. *see* Hand, L. 9—75979
Krzywicki, A., Engels, J., Petersson, B., Sukhatme, U. Does a nucleus act like a gluon filter? 9—89110
Ksanfomaliti, L.V., Vasil'chikov, N.M., Ganpantserova, O.F., Petrova, E.V., Suvorov, A.P., Filippov, G.F., Yablonskaya, O.V., Yabrova, L.V. Electrical discharges in the atmosphere of Venus 9—66950
Ksendzatskaya, Yu.N. *see* Koltun, M.M. 9—83593
Ksendzov, Ya.M. Electron structure of 3d transition metals 9—69455
Ksendzov, Ya.M. The electron structure of 3d metals 9—77996
Ksendzyk, G.V., Novikova, D.P., Kuskov, Yu.M. Structural changes taking place in deposited chromium iron during heating and cooling cycles 9—78956
Ksenofontov, V.A. *see* Mikhailovskii, I.M. 9—61504
Ksenofontova, N.M. *see* Gladkov, L.L. 9—64010
Ksenofontova, S.S., Mel'nikov, V.A., Mzhachikh, V.N., Sirota, M.I. Graphical representation of projections of atomic structures of crystals with the aid of a computer 9—60217
Ksenzhek, O.S., Shembel', E.M., Moskovskii, V.Z. Process distribution in porous electrodes with poorly soluble reactants 9—61870
Ksenzov, V.G. *see* Dal'karov, O.D. 9—85311
Ktitorov, V.L. *see* Vasileva, A.N. 9—99011
Ktonas, P.Y., Osorio, P.L., Everett, R.L. Automated detection of EEG artifacts during sleep: preprocessing for all-night spectral analysis 9—100759
Ktonas, P.Y., Smith, J.R. Automatic REM detection: modifications on an existing system and preliminary normative data 9—74771
Ktorides, C.N. *see* Constantopoulos, J.P. 9—75696
Ku, R.C. *see* Baird, R.J. 9—77899
Ku, T.H. *see* Richards, P. 9—100740
Ku, W.C., DiGiano, F.A., Feng, T.H. Factors affecting phosphate adsorption equilibria in lake sediments 9—66354
Ku, W.H.-M., Wolff, R.S. Observations of pulsating X-ray binaries 4U 0900—40 and 4U 1223—62 9—84865
Ku, W.H.-M. *see* Anderson, D.F. 9—80222
Ku, W.H.-M. *see* Long, K.S. 9—101221
Ku, W.H.-M. *see* Parkinson, J.H. 9—96979
Ku Yoon Young *see* Young Ku Yoon
Kuan, T.S. *see* Petersson, S. 9—82471
Kuan-chao Chou *see* Chou Kuan-chao
Kuang Bau Nguen *see* Nguen Kuang Bau
Kuang Yuping Dynamically spontaneously broken symmetries of gauge theories 9—80740
Kuang Zhen-bang Stress analysis for plane curved polygonal defects containing cusps only 9—72793
Kuang-chi Yang *see* Yang Kuang-chi
Kuang-chung Hsieh *see* Hsieh Kuang-chung
Kuang-ming Yu *see* Yu Kuang-ming
Kuang-Pang Li, Arrington, J. Dual wavelength spectrophotometric detector for high performance liquid chromatography 9—92023
Kubach, C. *see* Pradel, P. 9—54964
Kubackova, L. Application of the correlation theory of homogeneous random fields to solving certain geophysical interpretation problems 9—100986
Kubakaddi, S.S., Krishnamurthy, B.S. Infrared free-carrier absorption in non-polar semiconductors; scattering by two-short wavelength phonons 9—78665
Kubalek, E. *see* Konig, U. 9—70000
Kubantsev, M. *see* Ammosov, V. 9—71737
Kubantsev, M.A. *see* Berge, J.P. 9—71741
Kubantsev, M.A. *see* Efremenko, V.I. 9—75763
Kubarovski, V.P. *see* Dzhelyadin, R.I. 9—67556
Kubarovskii, V.P. *see* Golovkin, S.V. 9—89212
Kubarovskii, V.P. *see* Victorov, V.A. 9—67546
Kubarych, K. *see* Belli, Y. 9—91810
Kubasov, V.L. *see* Vorob'eva, V.B. 9—100402
Kubasta, E. *see* Tschegg, E. 9—96235
Kubecek, V. *see* Hamal, K. 9—49314
Kubeckova, J. *see* Prouza, Z. 9—68113
Kubelka, J. *see* Kvapil, J. 9—65017, 9—65998
Kubena, R.L. *see* Seliger, R.L. 9—54225
Kubes, Z. *see* Koutsky, J. 9—78989
Kubiak, J., Ostafin, M., Kienitz, G. A new field-tracking NMR magnetometer system 9—63279
Kubiak, R., Wolcyrz, M., Zacharko, W. Crystallization, decomposition, and superconductivity of β-In_2Sn 9—91579
Kubicek, Z. Light pulse transmission over an optical gradient fibre 9—98501
Kubin, L.P. *see* Degauque, J. 9—78496
Kubin, L.P. *see* Louchet, F. 9—82227
Kubin, L.P. *see* Martin, J.L. 9—60238
Kubista, P. *see* Novotny, V. 9—74227
Kubler, J. *see* Hackenbracht, D. 9—99113
Kubler, J. *see* Takeda, T. 9—51467
Kubler, J. *see* Williams, A.R. 9—94952
Kubler, O., Gross, H., Moor, H. Complementary structures of membrane fracture faces obtained by ultrahigh vacuum freeze-fracturing at —196°C and digital processing 9—62205
Kubli, F. Piaget's cognitive psychology and its consequences for the teaching of science 9—58460
Kubny, A. *see* Schollhorn, R. 9—91961
Kubo, A. *see* Kondo, M. 9—53230
Kubo, H., Nagata, R. Determination of dielectric tensor fields in weakly inhomogeneous anisotropic media 9—72492
Kubo, H., Wayman, C.M. Spinodal decomposition of beta brass 9—78930
Kubo, K., Ogino, K. Comparison of osmotic pressures for the poly(γ-benzyl-L-glutamate) solutions with the theories for a system of hard spherocylinders 9—94886
Kubo, K. *see* Amakawa, H. 9—67739
Kubo, K. *see* Asano, M. 9—78822
Kubo, K. *see* Yagi, K. 9—83264
Kubo, M. *see* Uyeda, S. 9—66652
Kubo, R. Opening address to Oji Seminar on non-linear non-equilibrium statistical mechanics 9—75442
Kubo, R., Takagahara, T., Hanamura, E. A stochastic theory of second order optical processes 9—94201
Kubo, S. Photographic education in Japan 9—92910
Kubo, S., Ohji, K., Ogura, K. An analysis of creep crack propagation on the basis of the plastic singular stress field 9—68647
Kubo, S., Suemitsu, T. A method to evaluate the suitability of fluorescent lamps for color photographic purposes based on psychophysical and subjective estimations of color photographic images 9—71555
Kubo, T., Adachi, K., Mekata, M., Hirai, A. ^{59}Co nuclear magnetic resonance in antiferromagnetic $CsCoCl_3$ 9—51881
Kubo, T., Kabe, A., Kitagawa, K., Sato, H., Shibata, S., Matsumoto, S., Baba, H. Computer control system of main ring magnet power supply for the KEK 12 GeV PS 9—72071
Kubo, T., Oguma, M., Fujie, H. External pressure creep behaviour of Zircaloy-2 tube 9—57083
Kubo, T. *see* Ajiro, Y. 9—78414
Kubo, T. *see* Sakamoto, Y. 9—82778
Kubo, U. *see* Yoshino, K. 9—91364
Kubo, Y. A core-mantle interaction in the rotation of the Earth 9—66601
Kubodera, K., Otsuka, K. Single-transverse-mode $LiNdP_4O_{12}$ slab waveguide laser 9—55141
Kubodera, K., Otsuka, K., Miyazawa, S. Stable $LiNdP_4O_{12}$ miniature laser 9—50305
Kubodera, K. *see* Hoshi, N. 9—93432

Kubodera, K. *see* Miyazawa, S. 9—91597
Kubono, S., Bond, P.D., Horn, D., Thorn, C.E. 90° excitation functions for elastic scattering of $^{28}Si+^{16}O$ and $^{28}Si+^{12}C$ 9—75950
Kubota, E. *see* Tsubaki, K. 9—90987
Kubota, H. *see* Ma, C.C. 9—91952
Kubota, I. Northern hemispheric distributions of vertical heat fluxes at the Earth's surface computed by the bulk method 9—96804
Kubota, I. Influence of the sensible and latent heat fluxes over the land on the 4-day forecast 9—96805
Kubota, J. *see* Maeda, K. 9—80294
Kubota, J. *see* Tamaoki, T. 9—97854
Kubota, K., Ogino, K. The pressure effect on the thermodynamic properties of polystyrene—trans-decalin solution 9—69275
Kubota, K. *see* Kuroda, S. 9—68391
Kubota, M., Yamaguchi, I., Nakamura, H. Effects of nitrite on denitration of nuclear fuel reprocessing waste with organic reductants 9—97880
Kubota, M. *see* Fujii, Y. 9—56001
Kubota, S. *see* Suzuki, M. 9—81131
Kubota, T. The bending of interference fringes inside a hologram 9—98318
Kubota, T., Ko, D.R.S., Dobbs, L.D. Weakly-nonlinear, long internal gravity waves in stratified fluids of finite depth 9—77148
Kubota, T., Ose, T. Methods of increasing the sensitivity of methylene blue sensitized dichromated gelatin 9—94184
Kubota, T., Ose, T. Lippmann color holograms recorded in methylene-blue-sensitized dichromated gelatin 9—94196
Kubota, Y., Ogasawara, T., Yasukochi, K. Influence of magnetization in multifilamentary composites on the central field of superconducting magnets 9—65599
Kubota, Y. *see* Takagi, K. 9—76177
Kubovy, M., Jordan, R. Tone-segregation by phase: on the phase sensitivity of the single ear 9—88084
Kubshinov, V.A. *see* Smushkovich, B.L. 9—57172
Kubyshin, Yu.A. *see* Dittes, F.M. 9—89070
Kuc, R.B., Schwartz, M., Darr, F.W., II, Aisenberg, R. Spatial correlation properties of the acoustic attenuation slope for in vitro liver samples 9—57702
Kucal, H. *see* Huet, M. 9—68326
Kucal, H. *see* Husson, X. 9—68211
Kucera, J. Analysis of magnetic anomaly in BCC iron 9—73711
Kucera, J. *see* Cermak, J. 9—77804
Kucera, J. *see* Obrtlik, K. 9—90817
Kuch, R. *see* Lechner, A. 9—54186
Kucha, V.V. *see* Kopylov, Yu.L. 9—82952
Kuchar, F. *see* Ramage, J.C. 9—82985
Kucharczyk, D., Niklewski, T. Accurate X-ray determination of the lattice parameters and the thermal expansion coefficients of VO_2 near the transition temperature 9—86747
Kucharski, M. *see* Blazek, V. 9—59650
Kucher, A.A. *see* Zelyukova, Yu.V. 9—87905
Kucher, G.A. *see* Gorbunov, V.I. 9—93100
Kucher, G.A. *see* Pekarskii, G.Sh. 9—75539
Kucher, N.K. *see* Karnaukhov, V.G. 9—98635
Kucher, N.K. *see* Strizhalo, V.A. 9—57074
Kucher, N.P. *see* Dzhilavyan, L.Z. 9—89295
Kucher, T.I., Tomasevich, O.F. Thermodynamic functions and normalized moments of the frequencies of a germanium crystal 9—51279
Kucherenko, E.S., Popov, E.G., Popova, N.V., Fedorova, I.P. Changes in the structure of steels under pulsed influence of elevated temperatures and high pressures 9—83234
Kucherenko, G.M. *see* Biryukov, A.V. 9—80074
Kucherenko, I.K. *see* Sadokov, V.P. 9—58125
Kucherenko, I.V., Shotov, A.P. Determination of the energy band structure parameters of $Pb_{1-x}Sn_xSe$ crystals from measurements of the thermoelectric power in strong magnetic fields 9—51474
Kucherenko, I.V. *see* Mityagin, Yu.A. 9—69848
Kucherenko, L.A., Aristova, N.M., Troshkina, V.A., Fadeeva, V.I. High-temperature transformation in solid solutions of nickel in NiAl 9—56973
Kucherov, A.N. *see* Kogan, M.N. 9—76768, 9—90273
Kucherov, A.P., Yaremko, A.M. A simple method for the separation of strongly overlapping spectral bands using a computer 9—51968
Kucherov, A.P. *see* Lisitsa, M.P. 9—61386, 9—69436
Kucherov, I.Ya. *see* Burly, P.V. 9—61310
Kuchiev, M.Yu. *see* Amusia, M.Ya. 9—59574
Kuchiev, M.Yu. *see* Amus'ya, M.Ya. 9—50140
Kuchikata, A. *see* Moriyama, S. 9—57561
Kuchin, I.A. *see* Kiltochnik, S.N. 9—80174
Kuchinskii, G.S. *see* Zaients, S.L. 9—81089
Kuchinskii, V.I. *see* Karpov, S.Yu. 9—72592
Kuchinskii, V.V., Morozov, A.O. Spatial coherence of spontaneous radiation from volume light sources 9—98455
Kuchinskii, V.V. *see* Babaev, A.S. 9—98039
Kuchinskii, V.V. *see* Babaev, V.S. 9—63301, 9—75580
Kuchinskii, V.V. *see* Dunaev, V.V. 9—54179
Kuchitsu, K. *see* Hiraishi, H. 9—64088, 9—100338
Kuchitsu, K. *see* Munakata, T. 9—81237
Kuchitsu, K. *see* Nishiyama, I. 9—54975
Kuchkaeva, I.K. *see* Bolotina, N.E. 9—66343
Kuchler, R., Rauschenbach, B. Observations on 'Investigations of glassy-amorphous structures' 9—69015
Kuchler, R. *see* Erben, A. 9—75587
Kuchma, A.E. *see* Enaleeva, N.K. 9—90979
Kuchnev, V.I. *see* Manzhelii, V.G. 9—65228
Kuchnir, F.T. *see* Waterman, F.M. 9—81134
Kuchnir, F.T. *see* Watermann, F.M. 9—59056
Kuchnir, M., Koepke, K. Pressure development during energy doubler quenches 9—76200
Kuchnir, M. *see* Brindza, P. 9—68085
Kuchowicz, B. Neutrinos from the Sun, pollution of the Galaxy by the products of stellar nucleosynthesis and the terrestrial ice ages 9—58310
Kuchowicz, B. Extremal states of matter in Astrophysics. V. Components of Hadronic matter in neutron stars: leptons and baryons 9—88587
Kuchowicz, B., Strugalski, Z. Antimatter in laboratories and in the Universe 9—88588
Kuchugura, A.K. *see* Selezov, I.T. 9—50592
Kuchumov, E.V. *see* Goncharova, G.I. 9—81636
Kucukarpaci, H.N. *see* Lucas, J. 9—55448
Kuczinski, A., Jr. *see* DiLeonardo, D.J. 9—67883
Kudaba, V.E. Limiting sensitivity of CdSe photodetectors 9—63309
Kudchadker, A.P., Kudchadker, S.A., Shukla, R.P., Patnaik, P.R. Vapor pressures and boiling points and selected halomethanes 9—77736
Kudchadker, A.P. *see* Kudchadker, S.A. 9—76409
Kudchadker, S.A., Kudchadker, A.P. Ideal gas thermodynamic properties of selected bromoethanes and iodoethane 9—76409
Kudchadker, S.A. *see* Chen, S.S. 9—76410
Kudchadker, S.A. *see* Kudchadker, A.P. 9—77736
Kudella, F., Kerkow, H., Wedell, R. Enhancements of Xe(M)-radiation during channelling of Xe-ions in copper crystals 9—73234
Kudimov, Yu.N. *see* Kukoz, F.I. 9—83463
Kudin, L.S., Gusarov, A.V., Gorokhov, L.N., Krasnov, K.S. Mass-spectrometric investigation of ionic equilibria. Sulfates and carbonates of potassium and cesium 9—87867
Kudinov, B.I. *see* Gordeev, V.A. 9—56675
Kudinov, V.I. *see* Barsov, S.G. 9—87370
Kudinov, V.M. *see* Borisov, A.A. 9—64737
Kudinov, V.M. *see* Petushkov, V.G. 9—96267
Kudinova, A.N. *see* Tischenko, Z.V. 9—69034
Kudintseva, G.A., Kamertsel, A.M., Radautsan, S.I., Stamov, I.G., Syrbu, N.N. λ-modulated photoemission of the semiconductors $ZnAs_2$ and CdP_4 9—87565
Kudirka, A.A., DeCoster, M.A. Jet pump cavitation with ambient and high temperature water 9—76071
Kudla, M.J. *see* Bedjidian, M. 9—63621, 9—85393
Kudlenko, V.G. *see* Golubnichii, P.I. 9—84617
Kudo, B. *see* Usami, A. 9—65492
Kudo, H., Ochiai, Y., Takita, K., Masuda, K., Seki, S. Stoichiometry measurements of GaAs by means of 15-MeV He^{++} backscattering 9—99330
Kudo, H., Tanaka, K. Tritium chemistry in nuclear fusion research 9—63806
Kudo, J. *see* Ichida, K. 9—68522
Kudo, K. The contribution of Love waves to strong ground motions 9—88302
Kudo, K. *see* Ezura, E. 9—76184
Kudo, K. *see* Kondoh, M. 9—68048
Kudo, K. *see* Murota, J. 9—55773
Kudo, K. *see* Oki, K. 9—100137
Kudo, K. *see* Shima, E. 9—66654
Kudo, K. *see* Yokogawa, K. 9—77972
Kudo, M. *see* Itoh, M. 9—81559
Kudo, M. *see* Shiiki, K. 9—99729
Kudo, T. *see* Kowaka, M. 9—79156
Kudoyarov, M.P. *see* Alexandrov, A.A. 9—63629
Kudratov, I.I. *see* Khamrakulov, T.K. 9—53537
Kudravcev, V. *see* Battocletti, J.H. 9—83880
Kudravcev, V. *see* Halbach, R.E. 9—62328
Kudrevatykh, N.V. *see* Deryagin, A.V. 9—51836
Kudrgavtseva, K.A. *see* Solyanko, V.F. 9—71460
Kudrin, V.M., Pavlov, O.M. High-speed instrument for measuring small currents 9—75547
Kudritskaya, Z.G. *see* Kuprievich, V.A. 9—96509
Kudritzki, R.P. *see* Gruschinske, J. 9—101149
Kudrman, J., Holub, J., Voboril, J. The quantitative stereological analysis of carbide phases in low-alloy CrMoV steel. I. Comparison of some methods of quantitative stereological analysis 9—91886
Kudrman, J., Holub, J., Voboril, J. The quantitatie stereological analysis of carbide phases in low-alloy CrMoV steel. II. Investigation of structural stability during high temperature creep 9—96262
Kudrman, J. *see* Prochazka, K. 9—77604
Kudryakov, Yu.P. *see* Komov, A.N. 9—71428
Kudryashov, A.A. *see* Alekseeva, V.G. 9—69532
Kudryashov, N.A., Basanskii, E.G., Bondarenko, A.G. Effect of diffusion and sorption on radioactive-gas distribution in a porous medium 9—81964
Kudryashov, N.A. *see* Arsenin, V.Ya. 9—90322
Kudryashov, V.G. Cyclic fracture toughness, K_{Ifc} 9—52343
Kudryashov, V.P., Osipov, V.V., Savin, V.V. Increase in the duration of the emission pulses from a CO_2 laser with successively excited sections 9—94257
Kudryashova, L.B. *see* Belykh, S.F. 9—74046
Kudryavstev, A.V., Ul'yanenko, A.P., Umanskii, E.S. Study of the combined effect of temperature, environmental moisture, and fiber orientation on the strength of glued carbon-plastic joints 9—96100
Kudryavtsev, A.N. *see* Khlyntsev, V.P. 9—66052
Kudryavtsev, E.A. *see* Krivulin, V.N. 9—100368
Kudryavtsev, E.K. The PDK potentiostat for electrochemical investigations 9—70345
Kudryavtsev, G.F. Air-jet sifter for determining the granulometric composition of powders 9—75671
Kudryavtsev, G.I., Askadskii, A.A., Khudoshev, I.F. The effect of load on relaxation transitions in oriented thermostable polymers 9—52294
Kudryavtsev, N.N. *see* Kovtun, V.V. 9—76666
Kudryavtsev, P.N. *see* Strekalov, P.V. 9—52512
Kudryavtsev, V.A., Shanin, V.I., Shapov, V.S. Analysis of the metrological possibilities of a coherent optical method of inspecting the shape of complex surfaces 9—81578
Kudryavtsev, V.M., Osipov, A.N., Fedorov, V.G. The analysis of a set of spectra of small scale oceanic turbulence 9—88360
Kudryavtsev, V.N. *see* Volodyagin, Yu.S. 9—97943
Kudryavtsev, Yu.A. *see* Knyazev, I.N. 9—59517
Kudryavtsev, Yu.V., Lezhnenko, I.V., Lesnik, A.G. Influence of the order-disorder transformation on the optical properties of films of the Fe-Co alloy of the equi-atomic composition 9—65942
Kudryavtseva, A.G., Sviridova, A.I., Veremei, V.V. Antireflection coatings for optical components made with materials with refractive indices of 1.7-2.0 9—72656
Kudryavtseva, A.P., Blistanov, A.A., Pashkov, V.A. Anisotropy of the optical strength of lithium niobate crystals 9—69923
Kudryavtseva, G.P. *see* Belokoneva, E.L. 9—86769
Kudryavtseva, N.L., Khar'kov, N.E., Bykov, M.V., Khodakov, G.S. Comparative analysis of rare-earth polisher powders 9—50453
Kudryavtseva, N.L., Malofeeva, L.G., Khar'kov, N.E., Khodakov, G.S. Polishing ability and physico-chemical properties of Polirit 9—72730
Kudryavtseva, V.I. *see* Chaporova, I.N. 9—79007
Kudryavtseva, Z.I., Openkin, V.A., Zhuchkova, N.A., Shumilova, N.A. Investigation of oxygen adsorption on nickel and silver by continuous measurement of the ellipsometric parameters 9—61871
Kudykina, T.A., Tolpygo, K.B., Sheinkman, M.K. The radiationless Auger-recombination of electrons on three centres 9—78114
Kudzhmauskas, Sh.P. *see* Kiveris, A.Yu. 9—74007
Kudzin, A.Yu. *see* Ismailzade, I.H. 9—65805
Kudzmauskas, S., Narusis, J. How to calculate the probability of electronic excitation energy transfer in complex compounds 9—69478
Kuebler, N.A. *see* Heath, B.A. 9—68282
Kuech, T.F. *see* Dirstine, R.T. 9—60543
Kuehl, D.J. *see* Otts, J.V. 9—62113
Kuehl, H.H. *see* Ko, K. 9—77371
Kuehl, H.H. *see* Wang, W.S. 9—94789
Kuehn, D.G. *see* Metze, A. 9—79261
Kuehn, T.H., Goldstein, R.J. An experimental study of natural convection heat transfer in concentric and eccentric horizontal cylindrical annuli 9—55382
Kuehne, K. *see* Redmer, J. 9—72823
Kuehnle, M.R. A new solid state film 9—71553
Kuei, S.C., Lai, W.M., Mow, V.C. A biphasic rheological model of articular cartilage 9—92264
Kuei, S.C. *see* Lai, W.M. 9—62285
Kuei-fang Wang *see* Wang Kuei-fang
Kuepers, G. *see* Rose, H. 9—97846
Kuester, E.F., Pate, R.C. Fundamental mode propagation on dielectric fibers of some noncircular cross sections 9—76874
Kufaev, V.N. *see* Ishchenko, I.I. 9—57115
Kufaev, V.N. *see* Pogrebnyak, A.D. 9—95897
Kufudakis, A., Gardavska, G. Reversible and irreversible changes in the system Pt-Pd-H during cathodic charging 9—51427
Kufudakis, A. *see* Cermak, J. 9—51310
Kugaenko, O.M. *see* Dudnikova, V.B. 9—96008
Kugel, G.E., Carabatos, C., Hennion, B. Crystal dynamics and magnetic excitations in wustite $Fe_{1-x}O$ 9—51740
Kugel', K.I., Khomskii, D.I. Two-spin systems in a magnetic field. Semiclassical approach 9—65634
Kugel, K.I. *see* Gaisanyuk, A.V. 9—56277, 9—95459
Kugel, R.P. *see* Musmann, G. 9—92679
Kugler, H. *see* Baribaud, G. 9—72209
Kugler, H.P. Recent results in rocket exhaust anemometry 9—60084
Kugler, K.J., Paul, W., Trinks, U. A superconducting storage ring for very slow neutrons 9—72043
Kugler, M. *see* Castillejo, L. 9—58879
Kugler, R. *see* Pflaum, E. 9—94401
Kugo, T. Gauge invariance and a possible mechanism of colour confinement 9—54311

Kugo, T. The fate of the U(1) Goldstone boson 9—80798

Kugo, T., Ojima, I. Manifestly covariant canonical formulation of Yang-Mills field theories. II. SU(2) Higgs-Kibble model with spontaneous symmetry breaking 9—54256

Kugo, T., Ojima, I. Manifestly covariant canonical formulation of Yang-Mills field theories. III. Pure Yang-Mills theories without spontaneous symmetry breaking 9—54263

Kugo, T. *see* Hayashi, K. 9—54258

Kuhaida, A.J., Jr., Kelly, M.J. Solution (in situ leach) mining of uranium: an overview 9—87983

Kuhar, M.J. *see* Young, W.S., III 9—83752

Kuhi, L.V. Rotation of pre-main-sequence stars in NGC 2264 and the solar angular momentum problem 9—58332

Kuhi, L.V. *see* Cohen, M. 9—58333

Kuhl, A.L. *see* Seizew, M.R. 9—66255

Kuhl, D.E. *see* Phelps, M.E. 9—66525

Kuhl, P.K. *see* Sparks, D.W. 9—50529

Kuhl, T. *see* Dabkiewicz, P. 9—49576

Kuhl, W. Levels of structure-borne and air-borne sound and sound insulation of technical appliances in buildings 9—94404

Kuhl, W. *see* Wollherr, H. 9—50501

Kuhlman, M.R., Fox, D.L., Jeffries, H.E. The effect of CO on sulfate aerosol formation 9—74925

Kuhlman, W.N. EEG feedback training of epileptic patients: clinical and electroencephalographic analysis 9—70696

Kuhlmann, E. Isospin mixing in the giant dipole resonance 9—93507

Kuhlmann, E., Calarco, J.R., Cheng, V.K.C., Mavis, D.G., Hall, J.R., Hanna, S.S. E1 and E2 strength in ^{32}S and ^{34}S observed in α-capture reactions 9—89266

Kuhlmann, G.J., Pancholy, R.K., Phillips, D.H. Characteristics of thermal oxides grown on $GaAs_{1-x}P_x$ 9—61772

Kuhlmann-Wilsdorf, D. Dislocation behavior in fatigue. III. Properties of loop patches—do they participate in fatigue cycling? 9—90725

Kuhlow, B. Light diffraction by magnetic bubble domains 9—56769

Kuhlow, B. Light diffraction in magnetic bubble fields. II 9—73904

Kuhlow, B. Light diffraction by a substituted yttrium-iron garnet magnetic bubble domain grating 9—95737

Kuhlow, W.W., Chatters, G.C. A comparison of cloud motion winds from ATS 6 images with coinciding SMS 1 winds 9—79954

Kuhn, A.T., Lartey, R.B., Wakeman, D.W., El-Nasr, N. Anodic behaviour of binary iron-silicon alloys 9—52417

Kuhn, G. *see* Drexler, W. 9—90141

Kuhn, G. *see* Horig, W. 9—65896

Kuhn, G. *see* Neumann, H. 9—65565, 9—95296

Kuhn, G. *see* Riede, V. 9—82974

Kuhn, G. *see* Schumann, B. 9—65564

Kuhn, G.F. The pressure transformation from a diffuse sound field to the external ear and to the body and head surface 9—68523

Kuhn, G.M. Stop consonant place perception with single-formant stimuli: evidence for the role of the front-cavity resonance 9—50526

Kuhn, H., Baero, G., Gleiter, H. On the energy-misorientation relationship of grain boundaries 9—60377

Kuhn, H., Stahl, J. Examples of the ergonomic problem in the design of medical radiological equipment 9—74729

Kuhn, H. *see* Lammers, W. 9—92332

Kuhn, J.K., Kaplan, J., El Ghali Oudrhiri Safiani Electromagnetic annihilation of e^+e^- into quarkonium states with even charge conjugation 9—93438

Kuhn, J.R. *see* Lee, C.W. 9—65456

Kuhn, M.H. *see* Geppert, R. 9—94424

Kuhn, M.J. Acoustical imaging of source receiver coincident profiles 9—92615

Kuhn, S. Determination of axial steady-state potential distributions in collisionless single-ended Q-machines 9—73043

Kuhn, W. *see* Alps, W. 9—88039

Kuhn, W. *see* Citron, A. 9—72006

Kuhne, H. Temperature dependence of dopant inclusion in the gas phase deposition of epitaxial Si layers. I. Inclusion of P and the nature of the segregation coefficient 9—52127

Kuhne, H. Temperature dependence of dopant inclusion in the gas phase deposition of epitaxial Si layers. II. Inclusion of P and the magnitude of the differential molar solution enthalpy 9—52128

Kuhne, H., Ha, T.-K., Meyer, R., Gunthard, Hs.H. Formic acid anhydride. Matrix infrared spectra of five isotopic species, vibrational analysis, empirical and ab initio harmonic force field and thermodynamic functions 9—93997

Kuhne, R., Morsch, M., Reineker, P. Transfer rates for the coupled coherent and incoherent motion of excitons 9—90973

Kuhne, R., Reineker, P. Exact evaluation of the kernel of the generalized master equation for the coupled coherent and incoherent exciton motion 9—51497

Kuhne, R. *see* Reineker, P. 9—60723

Kuhnel, C. Modulated light source for dynamic investigations on opto-electronic components 9—55197

Kuhnel, G., Siegel, W., Ziegler, E. Deep levels in $ZnSiP_2$ determined by Schottky TSC measurements 9—95419

Kuhnel, G. *see* Siegel, W. 9—49215

Kuhnen, R. *see* Goldberg, M.B. 9—76313

Kuhnen, R. *see* Kumbartzki, G.J. 9—99800

Kuhrig, B. *see* Berger, H. 9—65206

Kuhrt, E. *see* Kumakhov, M.A. 9—73232

Kuhs, W.F., Nitsche, R., Scheunemann, K. The argyrodites—A new family of tetrahedrally close-packed structures 9—60300

Kuibida, R.P. *see* Batalin, V.A. 9—68109

Kuijpers, P.J.M. *see* Parent, C.R. 9—85959

Kuiken, H.K., Roksnoer, P.J. Analysis of the temperature distribution in FZ silicon crystals 9—74082

Kuindersma, S.R., Haas, C., Sanchez, J.P., Al, R. Magnetic structures and properties of VI_2 9—61063

Kuindzhi, V.V., Abdrakhmanov, R.Kh. Use of a magnetostrictive method for correcting residual ruling errors in the fabrication of diffraction gratings with large constants 9—50454

Kuiper, B. *see* Baribaud, G. 9—72209

Kuiper, H. *see* Frank, K. 9—67592

Kuiper, L.K. The computational efficiency and Taylor expansion derivation of approximating equations to the groundwater flow equation 9—88383

Kuipers, A.J.M., Brabers, V.A.M. Electrical transport in magnetite near the Verwey transition 9—95455

Kuipers, M. On the rectilinear motion of an inextensible string 9—71240

Kuittinen, R. *see* Kilpela, E. 9—100988

Kuivalainen, P., Sinkkonen, J., Kaski, K., Stubb, T. Bound magnetic polaron in magnetic semiconductors 9—90976

Kujima, T. *see* Kuriyama, M. 9—69302

Kuju, M.K., Ghosh, A. A model for cross diffusion across a sliding contact in the presence of a magnetic field 9—79121

Kuk, T.M. *see* Mel'nik, P.I. 9—52446

Kukanov, M.A. *see* Malykhanov, Yu.B. 9—64117

Kukareko, T.L. *see* Nesterovich, L.N. 9—74182

Kukarov, G.V., Mokhun', I.I., Protasevich, V.I. Methods of determining the plane of spatial frequencies to obtain filter holograms 9—94189

Kukavadze, G.M. *see* Bobkov, A.F. 9—67433

Kukharenko, Yu.A. Theory of scattering of slow electrons in solids 9—90857

Kukharskii, A.A. *see* Grachev, A.I. 9—94192

Kukhtarev, N.V., Markov, V.B., Odulov, S.G., Soskin, M.S., Venetskii, V.L. Holographic storage in electrooptic crystals. II. Beam coupling-light amplification 9—86137

Kukhtarev, N.V., Markov, V.B., Odulov, S.G., Soskin, M.S., Vinetskii, V.L. Holographic storage in electrooptic crystals. I. Steady state 9—86136

Kukhtarev, N.V., Odulov, S.G. Wave front convolution in 4-wave interaction in media with nonlocal nonlinearity 9—86205

Kukhtin, R.I. *see* Petrosyan, A.M. 9—87397

Kukhtin, V.V. *see* Birulev, V.K. 9—67547

Kukibnyi, Yu.A. *see* Izmailov, I.A. 9—96313

Kukibnyi, Yu.A. *see* Pekar, S.I. 9—76682

Kukielski, J. *see* Kawski, A. 9—83029

Kukk, P. *see* Freiberg, A. 9—87468

Kukkonen, A., Laiho, R., Levola, T. Brillouin scattering and ultrasonic measurements of phonons in K_2CuF_4 9—87454

Kukkonen, C.A., Maldague, P.F. Electron-electron scattering: Hall coefficient and magnetoresistance 9—69530

Kukkonen, C.A., Overhauser, A.W. Electron-electron interaction in simple metals 9—95357

Kukkonen, C.A., Wilkins, J.W. Electron-electron scattering in simple metals 9—95351

Kukkonen, C.A. *see* Feldkamp, L.A. 9—69937

Kukkonen, C.A. *see* Maldague, P.F. 9—95396

Kukla, C. *see* Sickafus, E.N. 9—74035

Kukla, G. *see* Choudhury, B. 9—92569

Kuklev, V.P., Petrushenko, Yu.V., Ulasyuk, V.N., Shubina, V.V. Sealed scanning semiconductor laser with transverse electron-beam pumping [projection TV systems] 9—89936

Kuklev, Yu.V. *see* Bron, O.B. 9—77447

Kukleva, Z.A., Lodygin, B.I. Method of determining the orientation of blocks in large fluorite and barium fluoride crystals 9—50964

Kuklin, V.M. *see* Kondratenko, A.N. 9—60156, 9—82061

Kuklinski, W.S., Ohley, W.J., Jaron, D. Hemodynamic responses to in-series cardiac assistance: studies using a computer model 9—96711

Kuklyak, N.L. *see* Romaniv, O.N. 9—83280

Kukoba, A.V. *see* Rozhitskii, N.N. 9—57250

Kukolev, G.V. *see* Nechaev, Yu.R. 9—83357

Kukolich, S.G. *see* Cogley, C.D. 9—72337

Kukoz, F.I., Kudimov, Yu.N., Krutin', A.A. Anodic dissolution of titanium in electrochemical machining 9—83463

Kuksa, L.V., Krysov, V.I., Vangengeim, S.D. Peculiarities in temperature behaviour of internal adsorption in CuSb alloy 9—55890

Kuksenko, K.N. *see* Eron'ko, S.V. 9—95250

Kukshas, B. *see* Abaravichyute, V. 9—86840

Kukulin, V.I., Krasnopol'sky, V.M. Examination of many-body resonances by means of analytical continuation of bound states 9—75955

Kukulin, V.I., Pomerantsev, V.N. Ghost states and Pauli principle in many-body scattering 9—76001

Kukulin, V.I. *see* Krasnopol'sky, V.M. 9—71803

Kukulin, V.I. *see* Pomerantsev, V.N. 9—75940

Kukushkin, A.K., Tikhonov, A.N. Theoretical investigation of the influence of certain back reactions of the kinetics of primary processes of photosynthesis 9—79491

Kukushkin, A.K. *see* Chernokolev, A.T. 9—57609

Kukushkin, A.S. *see* Karnaushenko, N.N. 9—100978

Kukushkin, N.I. *see* Sakson, M.Ye. 9—57617

Kukushkina, R.S. *see* Gel'berg, M.G. 9—101017

Kula, I. *see* Czarny, Z. 9—70098

Kula, J. *see* Gilar, O. 9—49873

Kulacki, F.A., Freeman, R.G. A note on thermal convection in a saturated, heat-generating porous layer 9—77113

Kulaev, Yu.V. *see* Kasimov, G.A. 9—52603

Kulaga, J.E., Tippie, J.W. The support of multiple data streams in a dynamically configured software system 9—89548

Kulaga, J.E. *see* Tippie, J.W. 9—89556

Kulagin, N.A. *see* Savukinas, A.Yu. 9—63906

Kulagin, N.E. *see* Eleonskii, V.M. 9—73798, 9—95559

Kulagin, N.E. *see* Yeleonsky, V.M. 9—51811

Kulagin, S.G. *see* Kovbasyuk, L.D. 9—62728

Kulagin, V.D. On the possible existence of compound excimer molecules 9—76354

Kulagin, V.N. *see* Dolganev, Yu.G. 9—93097

Kulagin, V.V., Geller, I.M. Stroboscopic monitoring of uniformity of movement of mechanisms 9—97365

Kulagin, Yu.M. *see* Pereyaslova, P.K. 9—84600

Kulak, R.F., Fiala, C. Three-dimensional fluid-structure interaction calculations for the dynamic response of a pool-type reactor's in-tank component 9—85663

Kulakov, A.I. *see* Nakhutin, I.E. 9—76092

Kulakov, B. *see* Gorlich, L. 9—71766

Kulakov, G.A. *see* Krapivin, M.I. 9—76094

Kulakov, G.A. *see* Zykov, K.I. 9—97933

Kulakov, M.V., Zhukov, Yu.P., Cherenkov, V.P. Vibration method of sediment analysis [density measurement] 9—49202

Kulakov, S.V. *see* Kludzin, V.V. 9—64381

Kulakov, V.A. *see* Sivchik, V.V. 9—54836

Kulakov, V.I. *see* Alekseev, V.N. 9—64235

Kulakova, E.M. *see* Baldin, A.M. 9—72125

Kulakovskii, M.Ya. *see* Bakumenko, O.D. 9—97869

Kulakovskii, M.Ya. *see* Kazachkovskii, O.D. 9—97803

Kulakovskii, V.D., Malyavkin, A.V. The electronic structure of the bound exciton and bound multiexciton complexes in Al-doped Si 9—56139

Kulakowski, K. *see* Maksymowicz, A. 9—69456

Kulakowski, K. *see* Paja, A. 9—82576

Kulander, K.C., Guest, M.F. Excited electronic states of H_3 and their role in the dissociative recombination of H_3^+ 9—89795

Kular, S.S., Sealy, B.J., Badawi, M.H., Stephens, K.G., Sadena, D., Booker, G.R. Laser annealing of capped and uncapped GaAs 9—79127

Kular, S.S. *see* Sealy, B.J. 9—73195

Kulas, R.H., Saha, S. Piezoelectric response of bone as a function of frequency: a preliminary study 9—92287

Kulatov, E.T. *see* Vinokurova, L.I. 9—77987, 9—90947

Kulbachinsky, V.A. *see* Brandt, N.B. 9—73432

Kul'bakh, A.A. *see* Chechko, V.N. 9—52503

Kul'chitskii, N.M. *see* Koval'chuk, B.I. 9—90718

Kul'chitskii, N.M. *see* Lebedev, A.A. 9—57005

Kulcinski, G.L. Progress in materials research for fusion reactors 9—76134

Kulcinski, G.L. Fusion reactors: their challenge to materials scientists 9—97899

Kulcinski, G.L., Kessler, G., Holdren, J., Hafele, W. Energy for the long run. Fission or fusion? 9—59114

Kulcinski, G.L. *see* Avci, H.I. 9—49841, 9—76118

Kulcinski, G.L. *see* Ghoniem, N.M. 9—73209, 9—73212, 9—93827

Kulcinski, G.L. *see* Hunter, T.O. 9—76133, 9—85776

Kulcinski, G.L. *see* Liou, K.Y. 9—86786

Kulcinski, G.L. *see* Wilkes, P. 9—55795

Kulebyakin, V.V. *see* Pokryvaylo, N.A. 9—77084

Kuleff, I., Kostadinov, K.N. Epithermal neutron activation determination of uranium in environmental waters by neptunium-239 after preconcentration on activated carbon 9—53010

Kulemin, A.V. Absorption of high-intensity ultrasound in metals and alloys 9—86845

Kulemin, A.V., Nekrasova, S.Z., Entin, R.I. Kinetics of austenite transformation accompanying action of ultrasound 9—74148
Kulemin, A.V., Solov'ev, V.A., Zambrzhitskii, V.N., Zhiryakov, V.V. Investigation of the athermal martensitic transformation by the acoustic emission method 9—91645
Kuleshov, A.P. *see* Kuznetsov, A.Ya. 9—72726
Kuleshov, A.S. *see* Abramov, V.P. 9—67450
Kuleshov, N.F. *see* Rauzen, F.V. 9—71926
Kuleshov, S.P. *see* Goloskokov, S.V. 9—54360
Kuleshov, V.A., Polyakov, A.F., Shekhter, Yu.L. Experimental investigation of the fields of velocity and temperature in turbulent flow of air with variable properties 9—55370
Kuleshov, V.K. *see* Abramov, V.P. 9—67450
Kuleshov, V.V., Kurkin, S.A., Dudkevich, V.P. Anisotropy of the acoustic velocity in a polarized ferroelectric 9—55835
Kulesko, N.A., Palant, Yu.A., Beigel'zimer, Ya.Yu., Get'mans'kii, A.P. An approximate solution of the problem on plastic mass radial flow 9—76979
Kuleznev, V.N. *see* Kandyrin, L.B. 9—57030
Kuleznev, V.N. *see* Nikishin, E.L. 9—95217
Kuleznev, V.N. *see* Pestov, S.S. 9—96005
Kulhar, V.S. Positron-hydrogen charge-exchange scattering 9—50139
Kulhawy, F.H. *see* Turcotte, D.L. 9—84194
Kulhmann, E. *see* Bringer, A. 9—74054
Kulibaba, V.I. *see* Grishaev, I.A. 9—91522
Kulic, M. *see* Bulaevski, L.N. 9—65588
Kulic, M. *see* Dobrosavljevic, L. 9—56475
Kulich, V. *see* Witte, H.-H. 9—72703
Kulichenko, V.V. *see* Zakharova, K.P. 9—71920
Kulichikhin, S.G. *see* Ivanova, S.L. 9—51296
Kulichkov, S.N. Nonlinear generation of low-frequency component at propagation in the atmosphere of an intense modulated acoustic wave 9—98522
Kulick, J.H. *see* Haig, D.C. 9—88178
Kuliev, A.A. *see* Asadov, M.M. 9—87620
Kuliev, A.A. *see* Gotuk Ali Alaric 9—52181
Kuliev, B.I. *see* Askerov, B.M. 9—51694, 9—73607
Kuliev, G.G. On precedence of the process of stability loss near the crack to the process of brittle failure 9—77007
Kuliev, G.G. *see* Guz', A.N. 9—68607
Kulieva, N.A. *see* Pashinkin, A.S. 9—51247
Kulik, A., Ryll-Nardzewski, J. Application of contactless vibration excitation and detection method for investigation of circular plates elastic moduli 9—94571
Kulik, A.B. *see* Ermokhin, F.K. 9—87792
Kulik, A.N. *see* Uglov, A.A. 9—64485
Kulik, A.V. *see* Dzhelyadin, R.I. 9—67556
Kulik, A.V. *see* Victorov, V.A. 9—67546
Kulik, I.O., Omelyanchouk, A.N. The Josephson effect in superconducting constrictions: microscopic theory 9—60989
Kulik, I.O. *see* Khlus, V.A. 9—65603
Kulik, I.O. *see* Sidorenko, A.S. 9—56459
Kulik, I.O. *see* Verkin, B.I. 9—60457
Kulik, I.O. *see* Yanson, I.K. 9—65152
Kulik, L.V. *see* Belyi, M.U. 9—56848
Kulik, N.I. *see* Sviridov, D.T. 9—51986
Kulik, O.G. *see* Pan, V.M. 9—78244
Kulik, T., Latuszkiewicz, J., Matyja, H. Crystallization of metallic glass $Ni_{36}Fe_{32}Cr_{14}P_{12}B_6$ 9—77520
Kulik, V.V. *see* Ganiev, R.F. 9—77226
Kulikauskas, V.S. *see* Berzina, I.G. 9—74477
Kulike, W.-M. *see* Zeidler, H. 9—79585
Kulikov, B.N. *see* Varyukin, V.V. 9—80963
Kulikov, E.T. *see* Murzinov, V.I. 9—52815
Kulikov, F.R. *see* Polyakov, D.A. 9—87671
Kulikov, G.M. The theory of multi-layer hollow shells with finite deflection 9—81719
Kulikov, G.V. *see* Alekseev, E.N. 9—80163, 9—80164
Kulikov, G.V. *see* Khristiansen, G.B. 9—80167
Kulikov, G.V. *see* Khristiansen, G.V. 9—80166
Kulikov, G.V. *see* Vernov, S.N. 9—80172
Kulikov, I.A. *see* Vladimirova, M.V. 9—100416
Kulikov, I.S. Thermodynamic analysis of equilibria in heterogeneous multiple-phase systems 9—56964
Kulikov, N.I. Electron-phonon interaction in transition metal hydrides 9—65160
Kulikov, N.I. Electronic structure of the paramagnetic chromium under pressure 9—65375
Kulikov, N.I. *see* Vinokurova, L.I. 9—77987
Kulikov, S.M. *see* Dolgopolov, Yu.V. 9—59769
Kulikov, V.N. *see* Baranov, D.G. 9—80176
Kulikov, Yu.V. *see* Aksenov, V.G. 9—54224
Kulikov, Yu.V. *see* Monastyrskiy, M.A. 9—81352
Kulikov, Yu.V. *see* Pankratov, N.A. 9—71529
Kulikova, A.E. *see* Krylova, S.V. 9—87864
Kulikova, I.N., Oskotskii, V.S., Shelykh, A.I. Thermal modulation of the reflectivity of metallic samarium monosulfide 9—99909
Kulikovskii, A.G., Shikina, I.S. Development of perturbations at the interface between two liquids 9—64630
Kulikovskii, A.G. *see* Iordanskii, S.V. 9—64745
Kulikovskii, B.N. *see* Gilyarov, O.N. 9—50287, 9—50288
Kulinich, Yu.V. *see* Glukhov, Yu.M. 9—88345
Kulinkovich, A.E. Computation nets and their significance in increasing the efficiency of geologo-geophysical research 9—96835
Kulipanov, G.N. *see* Gimanov, V.P. 9—53288
Kulis, P.A., Springis, M.J., Tale, I.A., Valbis, J.A. Recombination luminescence in single crystal Al_2O_3 9—83021
Kulish, A.A., Filippov, L.P. Determination of the thermophysical properties of group V metals at high temperatures by means of a study of deformation vibrations of plates 9—85143
Kulish, N.P. *see* Davidovskii, V.M. 9—51548
Kulish, N.P. *see* Lisitsa, M.P. 9—94272
Kulish, N.P. *see* Zubchenko, V.S. 9—51547, 9—99528
Kulish, P.P., Sklyanin, E.K. Quantum inverse scattering method and the Heisenberg ferromagnet 9—61029
Kulish, V.V. *see* Kalmykov, A.M. 9—68413
Kulish, Yu.V. Quantum chromodynamics and P-odd effects in $\gamma p \to p\pi^0$ and $\pi + n \to p\pi^0$ 9—89172
Kulish, Yu.V. Dispersion relations for the P-odd multipole amplitude of the $\gamma N \to N\pi$ process 9—93435
Kulitskii, V.N. *see* Fedorchuk, E.N. 9—88940
Kulkarni, A.K. *see* Soukup, R.J. 9—78234
Kulkarni, P.V., Ashok, N.M., Apparao, K.M.V., Chitre, S.M. Discovery of IR bursts from Liller I/MXB1730—333 9—97105
Kulkarni, R.G. *see* Patil, V.U. 9—87344, 9—93552
Kulkarni, S.V., Sharma, L.K. Exact solutions of Dirac equation 9—63398
Kulkarni, S.V. *see* Chatterjee, S.N. 9—72841, 9—76963
Kulkarni, V.H., Rycroft, M.J. The effect of plasma drift on the electromagnetic cyclotron instability 9—60150
Kul'ko, V.B. *see* Mikhailovskii, I.M. 9—61504
Kul'kov, S.M. *see* Beschastnov, S.P. 9—86428
Kulla, J.B. *see* Lawson, D.E. 9—79884
Kullberg, H. *see* Taskinen, A. 9—85608
Kul'mentsev, A.I. *see* Egorushkin, V.E. 9—99471
Kulowiec, J.J. Techniques for removing oil and grease from industrial wastewater 9—83646
Kulprathipanja, S., Hnatowich, D.J., Beh, R., Elmaleh, D. Formation constants of gallium- and indium-transferrin 9—96285
Kulprathipanja, S. *see* Grant, P.M. 9—53247
Kul'sartov, V.K. *see* Lyu, B.N. 9—57678
Kulshreshtha, A.P. *see* Mahendra, K.K. 9—62003
Kulyamzin, A.N. *see* Aleksandrov, A.S. 9—82636
Kulyanova, V.I. *see* Bezshkurenko, L.T. 9—76785
Kulyasov, V.N. *see* Aleksandrov, E.B. 9—54953
Kumabe, I., Hyakutake, M., Inoue, M., Hosono, K., Yuasa, K., Sakei, B., Yamagata, T., Kishimoto, S., Yanabu, T., Higo, T., Iwashita, Y., Ogino, K., Sakamoto, N. Excitation of 6^+, 8^+, 10^+, and 9^- states in ^{122}Sn by reactions (p,t) and (p,p′) 9—89264
Kumabe, K., Matsumoto, N. Properties of GaAs and GaP amorphous-film/crystal junctions 9—99611
Kumabe, K. *see* Matsumoto, N. 9—69981, 9—89907
Kumada, K. *see* Seo, T. 9—52269
Kumada, M. *see* Wake, M. 9—68087
Kumada, T., Ishiguro, R., Kasahara, F. Sodium evaporation into a forced argon flow. II. Comparison between experimental results and theoretical predictions by critical supersaturation model 9—54493
Kumada, T. *see* Ishiguro, R. 9—86429
Kumagai, H. *see* Okano, M. 9—80144
Kumagai, H. *see* Uda, M. 9—59392
Kumagai, K. *see* Matoba, T. 9—50890
Kumagai, K. *see* Shinkoda, T. 9—82788
Kumagai, N. *see* Kamitsubo, H. 9—54662
Kumagai, N. *see* Morishita, K. 9—59823, 9—81561
Kumagai, N. *see* Morita, N. 9—81558
Kumagai, N. *see* Satomura, Y. 9—50408
Kumagai, N. *see* Tsutsumi, M. 9—99691
Kumagai, N. *see* Wada, T. 9—54614
Kumagai, Y. *see* Okuyama, K. 9—51449
Kumagai, M., Kobayashi, S., Sone, T., Nimura, T. A consideration on the loudness of impact sound 9—98546
Kumagi, K. *see* Sakemoto, A. 9—65761
Kumaigorodskaya, R.N. *see* Kopylov, I.M. 9—97011
Kumakhov, M.A., Kuhrt, E., Wedell, R. The theory of channelling at small depths. III 9—73232
Kumakhov, M.A., Wedell, R. Theory of channelling of relativistic particles 9—60413
Kumakhov, M.A. *see* Agan'yants, A.O. 9—69170
Kumakhov, M.A. *see* Eremeev, I.P. 9—85852
Kumaki, S., Kawabata, N. Analysis of the monocular depth structure based on a psychophysical approach 9—57663
Kumakov, M.A. Focusing charged particles in colliding beam experiments 9—67426
Kumakura, H., Hinode, K., Tanigawa, S., Doyama, M. Positron lifetime measurement in $NaNO_2$ 9—74017
Kumamoto, H. *see* Akashi, H. 9—52993
Kumamoto, Y. *see* Ogawa, H. 9—54649
Kumano, H. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Kumano, H. *see* Fukuda, S. 9—83585
Kumano, H. *see* Yamane, T. 9—83584
Kumar, A. Some theorems of affine motion in a recurrent Finsler space 9—71305
Kumar, A. Fluctuating flow of a viscous incompressible conducting fluid on a porous plate in a rotating medium with an applied magnetic field 9—90340
Kumar, A., Gopal, E.S.R. Critical resistivity in impurity doped binary liquid mixtures 9—51565
Kumar, A., Gopal, E.S.R. Impurity effects on the critical behaviour of the electrical resistance of binary liquid mixtures 9—65527
Kumar, A., Roy, B.N. Modified binary-encounter calculations for electron capture from noble-gas atoms by He^+ ions. II 9—72413
Kumar, A., Subba Rao, K., Srinivasan, M. Shape factors of non-critical small fast assemblies and their use in k_{eff} calculations 9—89351
Kumar, A., Tiwari, M.K., Gopal, E.S.R. Critical phenomena in electrical resistance of binary liquids: a study of the frequency dependence 9—60884
Kumar, A. *see* Gupta, N.K. 9—92299
Kumar, A. *see* Gupta, S.K. 9—59607
Kumar, A. *see* Iyer, B.R. 9—97022
Kumar, A. *see* Khare, S.P. 9—81226
Kumar, A. *see* Singh, G.P. 9—85399
Kumar, A.A. *see* Srivastava, K.K. 9—87382
Kumar, A.L., Holberg, J., Broadfoot, A.L., Belton, M.J.S. The Lyman-α observations of Comet Kohoutek from Mariner 10 9—96970
Kumar, B. *see* Mathur, S.C. 9—95403
Kumar, B.V.K.Vijaya *see* Vijaya Kumar, B.V.K.
Kumar, C.Krishna *see* Krishna Kumar, C.
Kumar, D. *see* Barma, M. 9—56550, 9—56552
Kumar, D. *see* Bhargava, R. 9—78419
Kumar, D. *see* Kumar, V. 9—69330, 9—77873
Kumar, G.S., Ethiraj, R., Krishna, V.G. Sign reversal of piezo-optic birefringence in mixed crystals of KCl-KBr 9—99849
Kumar, J., Upadhyaya, J.C. First-principles calculation of the dispersion relations of Zn 9—60448
Kumar, K. Electron microscopic study of alloying behaviour of Au on GaAs 9—60652
Kumar, K., Das, D. Magnetic properties and microstructures of sprayed $SmCo_5$ magnets exposed to intermediate temperatures 9—82829
Kumar, K. *see* Vaagen, J.S. 9—85488
Kumar, K.L., Grover, O.P., Sachdeva, R.C. Wind mills for rural India 9—70419
Kumar, K.L. *see* Raghava, A.K. 9—77316
Kumar, L., Verma, J.S. Radiation from a plasma column contained in a glass tube and excited by a waveguide 9—50860
Kumar, M., Atsumi, A. External Griffith crack in transversely isotropic material 9—64583
Kumar, M.Pravina *see* Pravina Kumar, M.
Kumar, P. Surface magnetism in superfluid ^3He 9—51361
Kumar, P., Clifton, R.J. Dislocation motion and generation in LiF single crystals subjected to plate impact 9—95011
Kumar, P. *see* Srivastava, P.P. 9—91346
Kumar, P. *see* Vollhardt, D. 9—60583
Kumar, R. Marine survey instrumentation 9—84508
Kumar, R. Relative importance of reflected and emitted flux density in 3-14-μm range 9—92542
Kumar, R., Robinson, B., Silva, L. Calibration of lone wavelength Exotech model 20C spectroradiometer 9—88474
Kumar, R. *see* Srivastava, M.L. 9—74416
Kumar, S. The stability of an SO_2 atmosphere on Io 9—92705
Kumar, S. *see* Chandrasekhar, S. 9—86699
Kumar, S. *see* Chock, D.P. 9—88391
Kumar, S. *see* Gupta, V.B. 9—79019, 9—86722
Kumar, S. *see* Islam, N. 9—77794
Kumar, S. *see* Sharma, B.K. 9—56040
Kumar, S. *see* Singh, S.N. 9—81285
Kumar, S. *see* Sodha, M.S. 9—77386
Kumar, S. *see* Wolff, R.S. 9—75128
Kumar, S.P. *see* Satyavathi, N. 9—95740
Kumar, V. Segregation at alloy surfaces 9—77886
Kumar, V. Linearized turbulent lubrication equation for finite self-acting porous bearings considering slip velocity over a hydrodynamically rough permeable boundary 9—87741
Kumar, V., Datta, A.K. Vacuum ultraviolet scintillators: sodium salicylate and p-terphenyl 9—71525
Kumar, V., Goyal, S.C. Strain derivatives of the elastic and dielectric constants of silver and thallium halides 9—60421
Kumar, V., Krishnakumar, E. Measurement of concentration and study of recombination of atomic hydrogen by Wrede-Harteck method 9—72369
Kumar, V., Kumar, D., Joshi, S.K. Surface segregation in alloys 9—69330
Kumar, V., Kumar, D., Joshi, S.K. Surface segregation in gold-silver alloys 9—77873
Kumar, V., Srivastava, S.N. Modified expression for the Gruneisen parameter of liquids 9—90799

Kumar, V. *see* Goyal, S.C. 9—56710
Kumar, V. *see* Janve, A.V. 9—88532
Kumar, V. *see* Lal, K. 9—65337, 9—78868
Kumar, V. *see* Pandey, J.D. 9—82131
Kumar, V. *see* Parakash, S. 9—84637
Kumar, V. *see* Prakash, R. 9—65837
Kumar, V. *see* Rastogi, R.G. 9—53633
Kumar, V. *see* Srivastava, K.S. 9—52044, 9—74020, 9—83057, 9—91534
Kumar, V.B.V.K. *see* Casasent, D. 9—72520
Kumar Datta, M., Datta, R. A molecular orbital study of bonding in BH_4^- and BH_3F^- 9—76345
Kumar Doss, M.J., Sadasivam, S. Instrumentation for zoologists—an industrial neglect 9—96720
Kumar Jain, A., Saraswat, R.S., Upreti, G.C. EPR of Mn^{2+} in single crystals of calcium cadmium acetate hexahydrate 9—65715
Kumar Singh, A. On Einstein-Kaehlerian conharmonic recurrent spaces 9—63096
Kumaraswamy, H.V. *see* Bapat, V.A. 9—86370
Kumari, M., Nath, G. Boundary layer swirling flow through a conical hydrocyclone 9—98733
Kumari Jha, D., Thakur, K.P., Jha, B.N. Energetics and mean amplitude of vibration of alkaline earth chalcogenides and heavy metal halides 9—51045
Kumashiro, Y. *see* Nakano, K. 9—86729
Kumazaki, K., Odajima, A. Lattice defects and chemical bonds in zero-gap semiconductors 9—73161
Kumazawa, M. *see* Hashimoto, A. 9—58279
Kumbartzki, G.J., Hagemeyer, K., Knauer, W., Krosing, G., Kuhnen, R., Mertens, V., Speidel, K.-H., Gerber, J., Nagel, W. The $^{12}C(2_1^+)$ state as probe for transient magnetic fields in polarized iron 9—99800
Kume, K. *see* Arima, A. 9—85549
Kume, K. *see* Toyoda, T. 9—60791
Kume, Y., Ikeda, R., Nakamura, D. Structural phase transition in various methylammonium hexahalometallates (IV) as studied by the NQR of halogens 9—95673
Kumeda, M. *see* Shimizu, T. 9—78101
Kumeisha, A.A. *see* Ivanov, A.P. 9—54178
Kumekov, S.E. *see* Ashirov, T.K. 9—51529
Kumer, J.B. *see* Roche, A.E. 9—58232
Kummel, R. *see* Hansack, P. 9—56426
Kummer, J. *see* Hoffmann, D. 9—80655
Kummer, R.B. Observation of a cascade effect for optical-fiber species 9—50436
Kummer, R.B. *see* Walstedt, R.E. 9—78367
Kummerer, K. Specification and characterisation methods for nuclear fuels 9—49796
Kumon, H. *see* Tsutsui, K. 9—74800
Kumpers, M. *see* Schollhorn, R. 9—99158
Kumpf, S. *see* Hage, W. 9—85569
Kumpfert, H. *see* Bothe, W. 9—68000
Kun, L.E. *see* Kline, R.W. 9—88198
Kunath, D. *see* Maulhardt, H. 9—80704
Kunavin, N.I. *see* Nurmukhametov, R.N. 9—85981
Kunc, K., Nielsen, O.H. Lattice dynamics of zinc-blende structure compounds. II. Shell model 9—86854
Kunc, K. *see* Polian, A. 9—95105
Kunchenko, V.V. *see* Gasilin, V.V. 9—57173
Kunchithapatham, M. *see* Muthuveerappan, Vr. 9—70461
Kuncir, J. *see* Randa, Z. 9—57332
Kund, G.G. *see* Zhiglinskii, A.G. 9—76784
Kunda, J.C., Basuli, S. Large amplitude free vibrations of plates resting on a Pasternak-type elastic foundation 9—64556
Kundapurkar, R.U. *see* Appa Rao, M.V.K. 9—84636
Kunde, V. *see* Pearl, J. 9—92704
Kunde, V.G. *see* Abbas, M.M. 9—100971
Kundel, H.L. *see* Revesz, G. 9—70619
Kundig, W. *see* Bockema, C. 9—56674
Kundig, W. *see* Meier, P.F. 9—56662
Kundig, W. *see* Ruegg, K. 9—56666
Kundra, M.D. *see* Rao, A.U. 9—100904
Kundt, W. A model for galactic centres 9—84849
Kundu, H.K. *see* Massand, O.P. 9—100753
Kundu, M.R., Vlahos, L. An interpretation of the polarization structure of microwave bursts 9—96984
Kundu, M.R. *see* Bowers, P.F. 9—75210
Kundu, M.R. *see* Gergely, T.E. 9—71010
Kundu, P., Kar, A. High-speed photoelectronic spectrophotometer 9—54200
Kundu, S.K., Lahiri, B.K. Integration of vector-valued functions 9—63157
Kunert, A. V1057 Cygni 9—84792
Kunert, H., Cracknell, A.P., Davies, B.L. Selection rules for the space group of the marcasite structure 9—99099
Kunert, H. *see* Cracknell, A.P. 9—65019
Kunesch, A.M. Water noise in large cooling tower installations 9—52997
Kunev, S.K. *see* Konstantinova, E.M. 9—65469
Kunevich, T.V. *see* Shul'man, Z.P. 9—77264
Kung, A.H. *see* Hai-Lung Dai 9—100414
Kung, C.Y., Fine, M.E. Fatigue crack initiation and microcrack growth in 2024-T4 and 2124-T4 aluminium alloys 9—79100
Kung, J.H. *see* Bentur, A. 9—100332
Kung, J.H. *see* Berger, R.L. 9—100331
Kung, M., Reinhart, M.E., Wanner, A. Pulmonary hemodynamic effects of lung inflation and graded hypoxia in conscious sheep 9—83824
Kung, R.T.V., Mani, S.A. Tripling of CO_2 laser frequency in deuterium chloride gas 9—76751
Kung Ching *see* Ching Kung
Kung wei Hasia *see* Hasia Kung wei
Kung-Ching Chang *see* Chang Kung-Ching
Kunhardt, E.E. Nonlinear equation of evolution for electron plasma waves including collisions 9—82056
Kunhardt, E.E., Cross, R.C. Demonstration of dispersive effects 9—58486
Kunieda, H. *see* Iwanami, H. 9—53942
Kunigelis, V. Simple theory of the transvere acoustoelectric effect in a layer piezoelectric-semiconductor structure 9—69565
Kunihiro, T., Tamagaki, R. Neutral pion condensation and ALS model including isobar Δ(1236) 9—71814
Kunihisa, K.S., Tanaka, S., Katoh, A. Thermoanalytical microscopy of phase transitions of cholesteryl acetate-cholesteryl octanoate binary system 9—55871
Kunii, S. *see* Kojima, K. 9—82972
Kunimasa, T. *see* Koshiko, N. 9—97501
Kunin, Yu.A. *see* Bashkin, A.S. 9—89902
Kunio, T. *see* Suzuki, H. 9—96113
Kuniskii, A.S. *see* Gariev, A.M. 9—57748
Kuniskii, A.S. *see* Ivanitskii, G.R. 9—70714
Kunitomi, N. *see* Tsunoda, Y. 9—69212, 9—90745
Kunitomo, T., Aizawa, K. Optimum design parameters of horizontal coaxial cylinders for a solar energy collector 9—62110
Kunkel, W.B. Multimegawatt neutral beams for Tokamaks 9—76234
Kunkel, W.B. *see* Schoenberg, K.F. 9—94807
Kunkel, W.E., Rydgren, A.E. A set of faint equatorial standard stars for BVRI photometry 9—62876
Kunkle, T.D. *see* Pilcher, C.B. 9—84742
Kunne, L., Skala, L., Bilek, O. From finite to infinite crystals: some electronic properties of BCC clusters 9—94949
Kuno, H. *see* Kuri, I. 9—75543
Kuno, K., Ikegaya, K. Some statistics for the total noise exposure due to road traffic 9—70499
Kuno, Y. *see* Onoe, M. 9—88227
Kuno, Y. *see* Yamazaki, T. 9—56707
Kunori, S. *see* Aoki, Y. 9—67757, 9—89301
Kunov, H. *see* Wodlinger, H. 9—84047
Kunsch, B., Eder, O.J., Erdpresser, E., Stiller, H. A sapphire container for neutron-scattering experiments on liquid metals up to 1900K 9—63215
Kunsch, B. *see* Eder, O.J. 9—77490
Kunstatter, G., Moffat, J.W. Conservation laws in a generalized theory of gravitation 9—49146
Kunstatter, G., Moffat, J.W., Savaria, P. Cosmological solution of Bianchi type I in a new theory of gravitation 9—88775
Kunstelj, D. *see* Milat, O. 9—55669
Kunstle, K., Koch, C., Reiter, K., Thelen, H.J. Possibilities for the application of process steam from nuclear steam supply systems for production and treatment of liquid and gaseous prime movers 9—87944
Kunstmann, J.E. A new transport mode for energetic charged particles in magnetic fluctuations superposed on a diverging mean field 9—50848
Kunstreich, S. *see* Girard, B. 9—74397
Kunszt, Z. *see* Ali, A. 9—49459
Kunth, D., Sargent, W.L.W. A spectroscopic survey of the blue compact Zwicky galaxies 9—58417
Kunth, D., Sargent, W.L.W. Spectrophotometry of six Seyfert galaxies from the Zwicky lists 9—75274
Kunth, D. *see* Casse, M. 9—88743
Kuntsevich, B.F. *see* Bertel', I.M. 9—89887, 9—94205
Kuntsevich, S.P., Palekhin, V.P. Magnetoelastic properties of the hexaferrite $Co_{1.8}W$ under spin-reorientation conditions 9—69709
Kuntsevich, T.S., Tarkhova, T.N., Ablov, A.V. Crystal structure of the complex of nickel trichloroacetate with p-toluidine, $(Cl_3CCOO)_2Ni.4n\text{-}CH_3C_6H_4NH_2$ 9—82189
Kuntsevich, T.S., Tarkhova, T.N., Ablov, A.V. Crystal structure of the complex of nickel trichloroacetate with para-anisidine, $(Cl_3CCOO)_2Ni\text{-}4n\text{-}OCH_3C_6H_4NH_2$ 9—86774
Kuntsevich, T.S., Tarkhova, T.S., Ablov, A.V. Crystal structure of the complex of nickel trichloroacetate with aniline, $(Cl_3CCOO)_2Ni.4(H_2NC_6H_5)$ 9—82190
Kuntsevich, T.S. *see* Danilov, V.I. 9—56927
Kuntz, D. *see* Maziere, B. 9—83902
Kuntz, F. *see* Goldberg, M.B. 9—76313
Kuntz, P.J., Kendrick, J., Whitton, W.N. Surface-hopping trajectory calculations of collision-induced dissociation processes with and without charge transfer 9—52637
Kuntz, R.L. *see* Fritz, J.J. 9—56542
Kuntze, M. *see* Citron, A. 9—72006
Kunugi, K. *see* Murata, K. 9—76637
Kunugi, M. *see* Hirao, K. 9—65774
Kunugi, M. *see* Soga, N. 9—91819
Kunugi, T., Shiratori, K., Uematsu, K., Hashimoto, M. Estimation of intrinsic birefringence of poly(ethylene terephthalate) crystal 9—69805
Kunukkasseril, V.X., Venkatesan, S. Axisymmetric non-linear oscillations of isotropic layered circular plates 9—94538
Kunwar, A.C. *see* Khetrapal, C.L. 9—82886
Kunz, A.B., Weidman, R.S. A self-consistent energy-band study in CuCl 9—69408
Kunz, A.B. *see* Itoh, H. 9—85896
Kunz, A.B. *see* Surratt, G.T. 9—69351
Kunz, C. *see* Iwan, M. 9—50079
Kunz, C.O. *see* Wahlen, M. 9—52979
Kunz, C.O. *see* Whalen, M. 9—85829
Kunz, E., Sevc, J., Placek, V., Horacek, J. Lung cancer in man in relation to different time distribution of radiation exposure 9—79605
Kunz, H., Souillard, B. Essential singularity in the percolation model 9—63164
Kunz, H. *see* Hintermann, A. 9—58644
Kunz, J., Mosel, U. Flow patterns for collective rotations in heavy nuclei 9—75816
Kunz, M. Time distribution of patent information 9—97181
Kunz, P.D., Saha, A., Fortune, H.T. Method of finite-range distorted-wave Born approximation for pickup to unbound ejectiles 9—85439
Kunz, P.F. Micro-circuits for high energy physics 9—89572
Kunz, P.F. Software for microcircuit systems 9—89573
Kunze, H.-J. *see* Meng, H.C. 9—68955
Kunzel, H. *see* Haupt, H.J. 9—90632
Kunzel, H. *see* Ploog, K. 9—56289
Kunzel, J. *see* Peter, S. 9—79671
Kunzi, K.F., Meier, D., Randegger, A. Atmospheric sounding using millimeter wave radiometry 9—84551
Kunzler, J.V., Grandi, T.A., Schreiner, W.H., Pureur, P., Brandao, D.E. Electrical resistivity measurements on the Cu_2MnAl Heusler alloy 9—91020
Kunzler, W. *see* Heiniger, F. 9—74816
Kuo, C. *see* Buckman, A.B. 9—56873
Kuo, Ch.S. *see* Schroeer, D. 9—56649
Kuo, H.L. A two-layer model study of the combined barotropic and baroclinic instability in the tropics 9—58023
Kuo, H.Y. *see* Argon, A.S. 9—70159, 9—91745
Kuo, I. *see* Ward, J.F. 9—92153
Kuo, J.-L. *see* Bacon, W.E. 9—91944
Kuo, J.-M. *see* Greenblatt, M. 9—87309
Kuo, J.P. *see* Hung, R.J. 9—66872
Kuo, K. *see* Rolison, D.R. 9—91960
Kuo, S., Dillman, R. Computer detection of ventricular fibrillation 9—70675
Kuo, S. *see* Dillman, R. 9—62388
Kuo, T.K. *see* Higashijima, K. 9—63419
Kuo, Y.C., Li, C.F., Mai, L.M., Chang, W.M. The magnetic properties of Fe-Co amorphous ribbons in low fields 9—73777
Kuo, Y.H. Extention of the upper-limit of ionization gauge 9—75542
Kuo Cheng-yi *see* Chang Chih-yao 9—59605
Kuo Gen Chen *see* Yu Mung Shih 9—61139
Kuo Han-ying On the de Sitter gauge theory for gravitation 9—80487
Kuo Han-ying, Chang Li-ning The actions of gauge fields for gravitation and their principle bundle formulation 9—71331
Kuo Han-Ying *see* Zou Zhenlong 9—80493
Kuo Song-sheng The plane wavelike solutions of the Yang's gravitational gauge field 9—80486
Kuo Wey-Chaung *see* Wey-Chaung Kuo
Kuo Yi-Yu *see* Yi-Yu Kuo
Kuo-cheng Chung *see* Chung Kuo-cheng
Kuo-ching Lee *see* Lee Kuo-ching
Kuo-Kuang Hu *see* Kirmser, P.G. 9—81116
Kuo-Nan Liou, Duff, A.D. Atmospheric liquid water content derived from parameterization of Nimbus 6 scanning microwave spectrometer data 9—58047
Kuo-Shung Cheng, Wei-Tou Ni Necessary and sufficient conditions for the existence of metric in two-dimensional affine manifolds 9—85039
Kuok, M.H. *see* Jones, G.D. 9—56782
Kuok-Mee Ling *see* Bender, C.M. 9—85003
Kupchenko, G.A. *see* Korneichuk, V.A. 9—56266
Kupchenko, G.V. *see* Nesterovich, L.N. 9—74182
Kupcis, O.A., Ramaswami, B. Solid solution hardening of copper single crystals by oxygen 9—52225
Kupczynski, M. *see* Gajewski, J. 9—97602
Kupecek, Ph.J. *see* Oudar, J.L. 9—55183
Kuperman, A.M. *see* Glezer, V.D. 9—79545
Kupers, J.C.F. *see* Wind, R.A. 9—61253
Kupfer, D.J. *see* McPartland, R.J. 9—74781
Kupfer, H., Manuel, A.A. Summation and saturation behaviour of the volume pinning force in neutron irradiated V_2Si 9—95554
Kupferberg, L.C. *see* Gurewitz, E. 9—78330
Kupfermann, I. Modulatory actions of neurotransmitters 9—96550
Kuphal, E. Indium-gallium-phosphide-arsenide, a new semiconductor for optoelectronic devices 9—95280
Kuphal, E., Dinges, H.W. Composition and refractive index of $Ga_{1-x}Al_xAs$ determined by ellipsometry 9—87011

Kupka, H. Electronic relaxation of transition-metal ions in an inert medium. I. Theory 9—76465
Kupka, H. Electronic relaxation of transition-metal ions in inert medium. II. The coupling mechanism 9—76466
Kupka, H., Ensslin, W., Wernicke, R., Schmidtke, H.-H. Intensity distribution in the progressions of vibronic transitions of metal-ion complexes 9—78735
Kupka, M., Kinel, J. An apparatus for measurements of materials elastic properties at elevated temperatures 9—96279
Kuplyauskis, Z.I. Energies of K-LL Auger transitions in neon 9—54823
Kuplyauskis, Z.I. Energies of K_α X-ray transitions in neon 9—98017
Kuplyauskis, Z.I. *see* Ionushauskas, S.L. 9—65956
Kupper, T. *see* de Jager, E.M. 9—49088
Kupperman, A. *see* Schatz, G.C. 9—64070
Kuppermann, A. An exact quantum mechanical transition state theory. I. An overview 9—74370
Kuppermann, A. *see* Frueholz, R.P. 9—68321
Kuppers, F. *see* Untiedt, J. 9—66888
Kuppers, J., Michel, H. Identification of recombined NO in flash desorption spectra 9—86996
Kuppers, J., Michel, H. Preparation of Ir(100)-1×1 surface structures by surface reactions and its reconstruction kinetics as determined with LEED, UPS and work function measurements 9—90851
Kuppers, J. *see* Conrad, H. 9—52060
Kuppers, J. *see* Herz, H. 9—49224
Kuppuraju, K., Subramanian, R., Ramachandran, S. Criteria for selection of elastomer seal in thermovacuum chamber 9—71466
Kuppusami, J., Lakshmanan, A.S., Suryanarayana, C.V. Dye-sensitization in electrostatic photography with special reference to zinc oxide 9—67404
Kuprievich, V.A., Klimenko, V.E., Shramko, O.V. Structure of correlation contributions to the energy of even polyenes in a localized representation 9—59370
Kuprievich, V.A., Kudritskaya, Z.G., Klymenko, V.E. Role of electron correlation in the quantum-mechanical calculations of the Coulomb interaction energy in the DNA base pairs 9—96509
Kupriichuk, P.F., Shaiblin, O.N. Limiting equilibrium of shells of rotation at low temperatures 9—64512
Kuprin, A.I., Volodin, V.I., Strezhekurov, E.E., Maryanchikov, N.A. Experience in determining the area of the maximum midsection of large particles by the photoelectric method 9—70240
Kuprin, S.P. *see* Davydov, R.M. 9—70506
Kupris, R. *see* Birmontas, A. 9—89949
Kupriyanov, M.F. *see* Zaitsev, S.M. 9—65060
Kupriyanov, M.Yu. *see* Ivanov, Z.G. 9—60990
Kupriyanov, N.L. *see* Bashkin, A.S. 9—89898, 9—89899
Kupriyanov, S.E. *see* Manvelyan, R.V. 9—59601
Kupriyanov, V.I. *see* Koshmarov, Yu.A. 9—80620
Kupriyanov, V.M., Fursov, B.I., Ivanov, V.I., Smirenkin, G.N. Measurement of the $^{237}Np/^{239}Pu$ and $^{241}Am/^{239}Pu$ fission cross section ratios for 0.13-7.0 MeV neutrons 9—97738
Kupriyanov, V.M. *see* Istekov, K.K. 9—54464
Kupryashkin, V.T. *see* Bulgakov, V.V. 9—75909
Kupsch, J., Pool, T.P. Saturation of the Froissart bound 9—75680
Kupschus, P. *see* Forster, S. 9—71970
Kupschus, P.H. *see* Darvas, J. 9—76139
Kuptsov, A.V. *see* Alizade, V.V. 9—80845, 9—89333
Kuptsov, V.M., Ostroukhova, S.I. Effect of a step on pressure pulsations at a cylinder with a cone at Mach numbers M≤1.0 9—86453
Kuptsov, V.M., Ostroukhova, S.I., Filippov, K.N. Pressure fluctuations and heating of a gas by the inflow of a supersonic jet into a cylindrical cavity 9—64726
Kuptsova, G.Z. *see* Arkhipova, T.A. 9—72686, 9—72695
Kuptsova, V.S., Malinin, V.G. Numerical analysis of heat transfer about a horizontal permeable cylinder free-convection 9—98723
Kurach, T.N. *see* Gulyaev, Yu.V. 9—69332
Kurahashi, M. *see* Yoshihara, K. 9—61591
Kurak, V., Swieca, J.A. Antiparticles as bound states of particles in the factorized S-matrix framework 9—49411
Kurakin, V.A. *see* Kompaniets, T.N. 9—99371
Kuramata, S. *see* Fuchi, H. 9—59299, 9—63548, 9—80112, 9—85299
Kuramochi, N. *see* Igata, N. 9—100205
Kuramoto, E., Aono, Y., Kitajima, K., Maeda, K., Takeuchi, S. Thermally activated slip deformation between 0.7 and 77K in high-purity iron single crystals 9—91755
Kuramoto, H. *see* Inoue, M. 9—95633
Kuramoto, N. *see* Mitomo, M. 9—70031, 9—91936
Kuramoto, Y. Diffusion-induced chaos in reaction systems 9—81995
Kuramoto, Y. Long-wavelength excitations in the Wigner crystal in strong magnetic fields 9—82533
Kuramoto, Y. *see* Fukuyama, H. 9—78195
Kuramoto, Y. *see* Maeda, M. 9—90740
Kuramshin, R.S., Borodin, I.N., Saifullin, R.S. A study of current distribution at a cathode during iron plating 9—96197
Kuranev, S., Uggerhoj, E. Laser annealing of indium-implanted silicon 9—52050
Kuranov, A.A. *see* Klyueva, I.B. 9—66174
Kuranov, A.A. *see* Men'shikov, A.Z. 9—82759
Kuranov, A.A. *see* Volkov, V.A. 9—56189
Kuranov, N.P. Migration of salts in a porous medium with crystallization taken into account 9—90323
Kuraoka, Y., Saito, K., Nogi, T., Misawa, T. Heat analysis and reduction of evaporation rate from a liquid helium dewar 9—58743
Kuraoka, Y., Saito, K., Nogi, T., Misawa, T. Heat analysis and reduction of evaporation rate of liquid helium dewar 9—75533
Kurapov, V.N. *see* Gorbunov, V.I. 9—76302
Kurasawa, T. *see* Nasu, S. 9—49683
Kurashige, K. *see* Fujiwhara, S. 9—62570
Kurashige, M. *see* Maeda, H. 9—60840
Kurashov, V.N., Kurinnoi, V.A., Khoroshkov, Yu.V. Depolarization of spatially incoherent light by a birefringent crystal 9—98273
Kurata, E. *see* Uwabe, T. 9—62458
Kuratashvili, G.O. *see* Boos, E.G. 9—89203
Kurath, D. *see* Lee, T.-S.H. 9—85551, 9—85553
Kurbakov, V.I. *see* Baranov, D.S. 9—54334
Kurbakov, V.I. *see* Burgorskii, A.P. 9—97641
Kurbaniyazov, N.N. *see* Vasil'eva, R.P. 9—91017
Kurbanov, K.B. *see* Shkuropatov, A.Ya. 9—53043
Kurbanov, Kh.M., Tseitlin, M.N., Turchaninov, A.M., Khaimova, A.G., Bichurin, R.Ch. Hydrothermal synthesis and crystallographic characteristics of $LaSbO_3$, $PrSbO_3$, and $DySbO_3$ single crystals 9—95916
Kurbanov, M.K. *see* Boulanger, Y.D. 9—92466
Kurbanov, T.Kh. *see* Nadzhafov, A.I. 9—78939
Kurbanov, T.Kh. *see* Rustamov, P.G. 9—78857
Kurbatov, A.A., Popova, T.Ya. Light-induced optical activity of a nonlinearly absorbing medium 9—72615
Kurbatov, A.L. *see* Britov, A.D. 9—75628
Kurbatov, A.M., Sankovich, D.P. Asymptotic commutation property in statistical mechanics 9—85070
Kurbatov, A.M. *see* Ermilov, A.N. 9—85062
Kurbatov, L.N., Balychenko, A.A., Bukumenko, V.L., Morozov, V.A., Chishko, V.F., Makhidzhanov, S.S. New indium monoselenide MOS structure 9—69605
Kurbatov, L.N. *see* Bakumenko, V.L. 9—73543
Kurbatov, L.N. *see* Demidov, S.S. 9—59725
Kurbatov, V.A., Penin, N.A., Solov'ev, N.N. Impurity photoelectric effect in germanium p-n junctions 9—56300
Kurbatov, V.P. *see* Akhant'ev, V.P. 9—57152
Kurbatov, V.S. *see* Ivanova, M.P. 9—59072
Kurchatov, I.V. *see* Wiebicke, H.J. 9—97692
Kurchavyi, V.A. Measuring convertor for angular displacements of rotor of sine-cosine rotating transformer 9—97344
Kurchavyi, V.A. *see* Leitman, M.B. 9—63192
Kurdadze, L.M. *see* Eidelman, S.I. 9—49458
Kurdiani, N.I. *see* Bagratishvili, G.D. 9—60932
Kurdyumov, A.A. *see* Kompaniets, T.N. 9—99371
Kurdyumov, G.V., Kritskaya, V.I., Ill'ina, V.A., Krulikovskaya, M.P., Parshina, I.Ya., Chirko, L.I. Change in crystal structure of austenite and martensite of aluminum steels under γ-irradiation 9—90699
Kurdyumov, V.G., Morozova, N.P., Chupyatova, L.P. Fan-shaped twins in tungsten single crystals 9—90676
Kurdyumova, G.G. *see* Gnesin, G.G. 9—96136
Kurdyumova, G.G. *see* Mil'man, Yu.V. 9—100238
Kurematsu, A., Ishigami, H., Kitayama, S., Yato, F., Tamura, J. A linear predictive vocoder with new pitch extraction and exciting source 9—59884
Kurepa, M.V. *see* Pejcev, V.M. 9—59586
Kurfess, J.D. *see* Strickman, M.S. 9—62891
Kurg, T. *see* Stinson, R.H. 9—62408
Kurgaev, E.F. *see* Shapiro, M.S. 9—57297
Kurganskii, S.I. *see* Farberovich, O.V. 9—90942
Kuri, I., Kuno, H. An application of scattered-light photoelasticity in the determination of the bottom pressure distribution of the pressed powder bed 9—75543
Kuriacose, J.C., Ramakrishnan, V., Yesodharan, E.P. Enhancement of photoelectric effect at zinc oxide surface by isopropanol, benzyl alcohol, formamide and diethylformamide 9—57437
Kurian, J., Slesar, M. Morphology and stability of the Widmanstatten structure 9—70094
Kurihara, A., Tsuboi, T., Tamahara, Y., Kuroki, K., Takahashi, M., Yamanaka, Y., Morita, T. A hydrogen liquefier with helium refrigeration cycle 9—58740
Kurihara, K. *see* Takeda, R. 9—59151
Kurihara, N. *see* Kurokawa, S. 9—68007
Kurihara, R. *see* Miyazaki, N. 9—97825
Kurik, M.V. *see* Vorob'ev, V.P. 9—87478
Kuriki, S., Gundlach, K.H. Variable-thickness-type microbridges made of thin Nb films 9—87198
Kuriki, S. *see* Nakane, H. 9—99636
Kuriki, S. *see* Noya, A. 9—91157
Kuril'chik, E.V. *see* Pavlov, P.V. 9—77620
Kurilenkov, Yu.K. *see* Kobzev, G.A. 9—82046
Kurilo, N.I. *see* Klyuchnikov, A.S. 9—94198
Kurin, M.N. *see* Darymov, V.I. 9—51401
Kurina, L.N., Potalitsyna, L.M., Davidov, A.A. An IR spectroscopic investigation of methanol adsorption on chromium orthovanadate 9—51435
Kurinnoi, V.A. *see* Kurashov, V.N. 9—98273
Kurinov, A.D. *see* Katargin, N.V. 9—52841
Kurishita, H., Kitajima, S. The beginning of motion of dislocations in highly perfect copper crystals 9—60372
Kurishita, H., Kitajima, S. Motion of dislocations in highly perfect copper crystals 9—60373
Kurisu, M. *see* Kadomatsu, H. 9—61102
Kurita, H. *see* Maekawa, S. 9—56461
Kurita, K. *see* Okano, K. 9—50975
Kurita, S. *see* Suda, T. 9—56258, 9—87127
Kurita, S. *see* Toyokawa, K. 9—61398
Kuritsyn, Yu.A. *see* Vedeneeva, G.V. 9—64252
Kuritsyna, E.F. *see* Vasil'ev, Yu.V. 9—94901
Kuriyama, I., Ogura, J., Yagyu, H., Kasai, K. Effect of dose rate on degradation behavior of insulating polymer materials 9—99239
Kuriyama, I. *see* Yoda, O. 9—69157
Kuriyama, K., Saito, S., Iwamura, K. Ultrasonic study on the elastic moduli of the NaTl (B32) structure 9—91724
Kuriyama, K. *see* Kamijoh, T. 9—61514
Kuriyama, M. An introduction to the principles of X-ray topography 9—82125
Kuriyama, M., Inomata, Y., Kujima, T., Hasegawa, Y. Thermal conductivity of hot-pressed Si_3N_4 by the laser flash method 9—69302
Kuriyama, M. *see* Shiga, M. 9—83302
Kuriyama, M. *see* Tamura, S. 9—61124
Kuriyan, J.G., Mitra, S.K. Window region infrared radiation transfer through clouds and the sensitivity of cloud parameters to radiative effects 9—100912
Kurjata-Pfitzner, E. On the surface recombination effect on some properties of semiconductor devices. Dynamic relationships 9—82664
Kurki-Suonio, K. *see* Ahtee, M. 9—73136
Kurki-Suonio, K. *see* Vidal-Valat, G. 9—73147
Kurkijarvi, J. About the generation of textural defects in superfluid ^{3}He-A 9—60588
Kurkijarvi, J. *see* Kjaldman, L.H. 9—78333
Kurkin, I.N., Shlenkin, V.I. Phase relaxation of Er^{3+} ions in $CaMoO_4$ single crystals 9—99767
Kurkin, M. *see* Bielik, M. 9—100987
Kurkin, M.I. Motion of nuclear magnetisation under the parametric influence of a longitudinal radio-frequency field 9—82880
Kurkin, M.I. *see* Chekmarev, V.P. 9—78566
Kurkin, N.N., Pirozhkov, V.A., Solovarov, N.K., Shegeda, A.N. Optical echo in ruby subjected to a transverse magnetic field 9—68419
Kurkin, S.A. *see* Kuleshov, V.V. 9—55835
Kurkin, V.A. *see* Demidov, A.M. 9—89268
Kurkutova, E.N. *see* Potekhin, K.A. 9—86784, 9—86785, 9—90639, 9—90640
Kurlandzka, Z.T. Influence of electromagnetic field on crack propagation in elastic dielectric 9—68576
Kurlandzka, Z.T., Kurlandzki, J. Stresses at tip of crack in elastic dielectric in presence of electromagnetic field. I. Generalization of the Williams method for dynamical case 9—68640
Kurlandzka, Z.T., Kurlandzki, J. Stresses at tip of a crack in elastic dielectric in presence of electromagnetic field. II. Behaviour of electromagnetic field 9—68641
Kurlandzka, Z.T., Kurlandzki, J. Stresses at tip of a crack in elastic dielectric in presence of electromagnetic field. III. Stresses generated by electromagnetic field 9—68642
Kurlandzki, J. Canonical formalism in distribution spaces. II 9—67219
Kurlandzki, J. *see* Kurlandzka, Z.T. 9—68640, 9—68641, 9—68642
Kurlapov, L.I., Chernyak, S.N. Measurement of the concentration profiles and coefficients of interdiffusion of the vapors of some liquids in argon 9—94763
Kurlat, D.H. *see* Quintana, G. 9—82903
Kurmaev, E.Z., Cherkashenko, V.M., Gubanov, V.A. Excited states in X-ray Lα emission spectra of transition metals in oxygen compounds 9—59488
Kurmaev, E.Z. *see* Anisimov, V.I. 9—51481
Kurmaev, E.Z. *see* Ivanovskii, A.L. 9—59513
Kurmei, N.D. *see* Zagainova, L.I. 9—78720, 9—82253
Kurmyshev, E.V. *see* Dodonov, V.V. 9—80467
Kurnaev, O.V. *see* Balbekov, V.I. 9—63829
Kurnaev, V.A. *see* Zhabrev, G.I. 9—65967
Kurobane, I., Yamaguchi, H., Sander, C., Nilan, R.A. The effects of gamma irradiation on the production and secretion of enzymes, and on enzyme activities in barley seeds 9—83856
Kurochkin, A.V. *see* Gal'per, A.M. 9—80133
Kurochkin, V.P. *see* Alizade, V.V. 9—80845, 9—89333

Kurochkin, Yu.V., Polak, L.S., Pustogarov, A.V., Slovetskii, D.I., Ukolov, V.V. Thermodynamic nonequilibrium in an electric arc discharge plasma stabilized by injection of nitrogen through a porous channel wall. Experimental study of the parameters of an arc plasma 9—86629
Kuroda, E., Matsuda, M., Kozuka, H., Maki, M. Evaluation of temperature distribution of melt in silicon ribbon growth 9—52108
Kuroda, E., Miyamoto, N. The strain distribution of the interface between substrate and epitaxial layer of silicon by X-ray double crystal method 9—99461
Kuroda, E., Saito, N., Kobayashi, S. Effects of H_2O and CO on electrical conductivity of cadmium oxide thin film 9—56340
Kuroda, E., Saitoh, T. Growth and characterization of polycrystalline silicon ingots from metallurgical grade source material 9—87576
Kuroda, H. *see* Kosugi, N. 9—72354
Kuroda, J. *see* Yamada, K. 9—81457
Kuroda, K. *see* Crabb, D.G. 9—63528
Kuroda, M. Angular energy cross section in lepton-pair production and QCD 9—75806
Kuroda, M. *see* Cleymans, J. 9—80801
Kuroda, N., Nishina, Y. Davydov splitting of degenerate lattice modes in the layer compound GaS 9—61382
Kuroda, N., Nishina, Y. Directional dispersion of extraordinary phonons in layer compound InSe 9—65154
Kuroda, S., Kubota, K. Dye-laser threshold in a protein solution 9—68391
Kuroda, T. *see* Aoki, H. 9—85771
Kuroda, T. *see* Kajimura, T. 9—76694
Kuroda, Y., Suzuoki, T., Matsuo, S. The lowest δD value found in a hydrous silicate, pectolite 9—62513
Kuroha, K. *see* Shima, E. 9—66654
Kuroiwa, J., Deza, E., Jaen, H., Kogan, J. Microzonation methods and techniques used in Peru 9—88513
Kurokawa, J., Toyokura, T., Shinjo, M., Matsuo, K. Roughness effects on the flow along an enclosed rotating disk 9—94628
Kurokawa, K., Hiruma, T. Proposal for efficient appreciation of solar thermal absorptive materials by high irradiance solar simulator 9—62063
Kurokawa, K., Hiruma, T., Horigome, T. Development of high irradiance solar simulator for efficient appreciation of solar thermal absorptive materials 9—79185
Kurokawa, K. *see* Kawata, K. 9—79029, 9—79030
Kurokawa, S., Hirabayashi, H., Takasaki, M., Yamamoto, A., Yamanaka, K., Kurihara, N., Nakamura, M. Control of beam line magnets by the CAMAC Serial Highway 9—68007
Kurokawa, S. *see* Hirabayashi, H. 9—72053
Kurokawa, T., Takato, N., Oikawa, S., Okada, T. Plastic fiber optic sheets fabricated by selective photopolymerization 9—55235
Kuroki, K. *see* Kurihara, A. 9—58740
Kurolenkin, E.I., Virgil'ev, Yu.S., Makarchenko, V.G., Chugunov, V.D. Bench assembly for determining the bend strength of carbon materials with strain recording 9—57176
Kurolenkin, E.I. *see* Virgil'ev, Yu.S. 9—71900
Kuromori, K.-I. *see* Satori, T. 9—98836
Kuronuma, E. Problems of gauge field theory 9—80484
Kuropatkin, N.P. *see* Alkhazov, G.D. 9—80938
Kuropteva, Z.V., Avdeyeva, O.S., Pulatova, M.K., Kravchenko, N.A. Study of the role of the electron acceptor properties of lysozyme and its substrate inhibitors in the photo-sensitized transfer of electrons and their complexes by the EPR method 9—79469
Kuros, J. *see* Les, Z. 9—89986
Kurosaka, R. *see* Inawashiro, S. 9—78408
Kurosaki, Y. *see* Aoki, H. 9—98783
Kurosaki, Y. *see* Kashiwagi, T. 9—98778
Kurosawa, K. *see* Honda, T. 9—69010
Kurosawa, M., Shimizu, K. Estimation for production of molybdenum-99 using (n,γ) reaction 9—97702
Kurosawa, T. *see* Imai, H. 9—51420
Kurose, J. *see* Morgan, T.J. 9—89776
Kurosu, S., Yamada, J., Tomizawa, H. Seismometer using a gyroscope—measurement of vertical seismic motion 9—96842
Kurotu, T., Nagai, M., Kasagi, M. NMR study of the liquid crystalline solutions of poly(γ-methyl-L-glutamate) and poly(γ-benzyl-L-glutamate, γ-methyl-L-glutamate) in p-cresol—$CDCl_3$ mixed solvent system 9—91303
Kurov, I.E., Skuridin, A.M., Perevezentsev, V.N. Role of osmotic forces in the mechanism of low-cycle fatigue 9—60430
Kurov, I.E. *see* Blaivas, B.I. 9—70256
Kurov, O.V., Krutsan, A.M., Melekhov, R.K. Simulation of corrosion conditions in microvolumes of crack-like defects [electrochemical cell] 9—52445
Kurovskii, V.Ya. *see* Kharitinych, N.E. 9—70272
Kurowksi, P. *see* Wagner, J. 9—72543
Kurowska, A. Intraband absorption in lead chalcogenide mixed crystals 9—56789
Kuroyanagi, T. *see* Ueyama, N. 9—91665
Kurt, V.G. *see* Bertaux, J.L. 9—80180
Kurtasova, L.A., Polyanskii, V.M. Investigation of the fine structure of alloy Al27-1 in connection with its corrosion-cracking behaviour 9—52438
Kurtcuoglu, K. *see* Eber, N. 9—58737
Kurten, K.E. *see* Ristig, M.L. 9—73369
Kurth, D.I., Schmidt, R.D. Solution flow prediction via computer models 9—88013
Kurth, W.S., Frank, L.A., Gurnett, D.A., Burek, B.G., Ashour-Abdalla, M., Kennel, C.F., Sentman, D.D. A comparison of intense electrostatic waves near f_{UHR} with linear instability theory 9—84590
Kurth, W.S., Gurnett, D.A., Scarf, F.L. High-resolution spectrograms of ion acoustic waves in the solar wind 9—96878
Kurth, W.S. *see* Grunett, D.A. 9—84733
Kurth, W.S. *see* Gurnett, D.A. 9—92709
Kurth, W.S. *see* Scarf, F.L. 9—96954
Kurti, J. *see* Mihaly, G. 9—78088, 9—87089
Kurtseva, N.N. *see* Sakkilari, A.V. 9—95981
Kurtz, D., Wegner, G. The nature of Przybylski's star: an Ap star model inferred from the light variations and temperature 9—101151
Kurtz, H.A., Jordan, K.D. Theoretical study of $[F^-;e^+]$ and $[CN^-;e^+]$ 9—49945
Kurtz, H.A., Jordan, K.D. A comparison of the positron energy levels of $[F^-; e^+]$ and $[CN^-; e^+]$ with the Rydberg levels of Na and NO 9—86089
Kurtz, N. *see* Braun, H. 9—93450
Kurtz, N. *see* Read, A.L. 9—49510
Kurtz, R.L., Perry, L.M. A holographic optical schlieren system (HOSS) 9—76641
Kurtz, S.R., Stapleton, H.J. Electron-spin relaxation by tunneling states in β-Al_2O_3:Na 9—78518
Kurtze, G., Klingshirn, C., Honerlage, B., Tomzig, E., Scholz, H. Excitation spectroscopy, Raman scattering and the temperature dependence of the luminescence in highly excited red HgI_2 9—61424
Kurucz, R. *see* Cann, M.W.P. 9—62575
Kurucz, R.L. Model atmospheres for G, F, A, B, and O stars 9—80298
Kurumada, K., Mizutani, T., Fujimoto, M. Stationary domains in planar Gunn elements 9—56238
Kurumizawa, T. *see* Takahashi, Y. 9—55674
Kuryaeva, R.G. *see* Fedorova, Zh.N. 9—52640
Kurylo, M.J., Braun, W., Abramowitz, S., Krauss, M. A study of the chemiluminescence of the Pb+O_3 reactions 9—52673
Kurylo, M.J. *see* Manning, R.G. 9—66288
Kurylo, M.J., Braun, W. *(editor)* 12th Informal Conference on Photochemistry 9—52709
Kurz, E. *see* Suchy, P. 9—97756
Kurz, E.A. Channel electron multipliers 9—93248
Kurz, W. *see* Glardon, R. 9—91632
Kurze, U. Correlation procedures in remote measuring techniques 9—50512
Kurze, U.J. The performance of noise barriers in open-plan offices and industrial buildings 9—76927
Kurzner, A.B. Methods of eliminating systematic errors in calibrating a linear accelerometer with a centrifuge 9—71399
Kurzweg, U.H. *see* Trovillion, T.A. 9—64771
Kus, F.W. On the thermodynamics of weak-coupling superconductors 9—99655
Kus, F.W., Carbotte, J.P. Enhancement of low energy phonon structure by high energy spectral weight [applied to tunnelling in superconductors] 9—60984
Kusak, R. *see* Borowko, M. 9—56073
Kusaka, R.T., VanHook, D.A. Integrating rod as grating detector 9—94334
Kusaka, T., Haba, Y., Kawata, Y., Terashita, Y., Ueno, S. Removal of the atmospheric blurring from remotely sensed Earth imagery 9—88517
Kusaka, Y. *see* Takeuchi, T. 9—66435
Kusakin, S.I. *see* Vasil'chenko, V.I. 9—68742
Kusakov, O.M. *see* Budanov, V.G. 9—96747
Kusanagi, H., Kimura, H., Sasaki, H. Stress effect on the magnitude of acoustic emission during magnetization of ferromagnetic materials 9—82854
Kusanagi, H. *see* Takahashi, Y. 9—55674
Kusanagi, M. *see* Obunai, T. 9—50862
Kusao, K. *see* Nakajima, M. 9—99353
Kusase, S., Terakado, R. Mapping theory of two-dimensional anisotropic regions 9—55022
Kusayanagi, E. *see* Matsushita, T. 9—56478
Kuscer, I. *see* Illner, R. 9—63150
Kusch, H.J. *see* Rondigs, G. 9—63954
Kusch, W. Alpha decay peculiarities in the near-lead region 9—49611
Kuse, D. Water sterilization unit UA-C 13 9—57713
Kuse, D. *see* Bachmann, R. 9—54592
Kushakovskii, V.I. *see* Reshetnikov, F.G. 9—97812
Kushawaha, V.S. Electronic to vibrational energy from Br^* to N_2O 9—89753
Kushchev, S.B. *see* Ievlev, V.M. 9—73168
Kushchevskii, A.E. *see* Fedorchenko, I.M. 9—96266
Kushelevsky, A. *see* Feldman, L. 9—57266
Kushelevsky, A.P. *see* Kopeika, N.S. 9—50904
Kushev, D.B. *see* Demberel, L.A. 9—56166, 9—65407
Kushick, J.N. *see* Wijeyesekera, S.D. 9—94857
Kushida, T. Interference analogy of Raman-luminescence problem and experimental discrimination by polarization correlation 9—95764
Kushin, V.V. *see* Aidinova, D.M. 9—68139
Kushin, V.V. *see* Baldin, A.M. 9—72125
Kushiro, I. *see* Sharma, S.K. 9—87431
Kushkulei, L.M. *see* Mel'kanovich, A.F. 9—64482
Kushmuradov, Yu.K. *see* Ibragimov, B.T. 9—94993, 9—94997
Kushner, A. *see* Riehm, P.F. 9—89420
Kushnereva, K.K. *see* Alekhin, I.A. 9—62374
Kushneriuk, S.A., Wong, P.Y., Abel, G. Neutronic calculations for graphite-thorium assemblies 14 MeV neutron sources 9—59262
Kushnir, I.P., Minina, L.V., Sidokhin, E.F., Simenov, S.L. Single-crystal lattice-constant measurement with $K\alpha_1$-$K\alpha_2$ doublet in a two-crystal spectrometer 9—50938
Kushnirenko, I.Y. *see* Boiko, V.V. 9—51995
Kushnirenko, I.Ya., Nedel'ko, S.G. Luminescence of impurity anions O_2^- in solutions of halides 9—87488
Kushnirenko, I.Ya. *see* Belyi, M.U. 9—87467
Kushnirenko, I.Ya. *see* Bilii, M.U. 9—52001
Kushniruk, V.F. *see* Zubareva, A.M. 9—68124
Kushushko, V.V. *see* Stepanchuk, V.F. 9—59992
Kushwaha, M.S., Kushwaha, S.S. The frequency spectra of solid neon and xenon 9—51220
Kushwaha, M.S., Kushwaha, S.S. The lattice dynamics of quantum crystals of FCC ^4He 9—77859
Kushwaha, M.S., Kushwaha, S.S. The role of unpaired forces in the lattice dynamics of covalent crystals 9—95096
Kushwaha, S.S. *see* Kushwaha, M.S. 9—51220, 9—77859, 9—95096
Kusic, G. *see* Khe-Tai Ma 9—88229
Kusidi, V.P. *see* Tsyplakova, N.M. 9—84532
Kuska, R. Magnetic permeability disaccommodation in α Fe-C(N) alloys containing substitutional atoms 9—95612
Kuske, A. Separation of principal stresses in photoelasticity by means of a computer 9—94496
Kuske, A., Friedrich, S. Superposition of photoelastic data [and reply] 9—59952
Kuskov, V.I., Treushnikov, E.N., Belov, N.V. Experimental investigation of electron density distribution in tetrakis-carbamide scandium (III) trinitrate from X-ray diffraction data 9—94994
Kuskov, Yu.M. *see* Ksendzyk, G.V. 9—78956
Kuslitskii, A.B. *see* Pilyankevich, A.N. 9—70152
Kusmartsev, E.V. *see* Kazachkovskii, O.D. 9—97803
Kusmierek, Z., Iwinski, M. Instrument for direct power factor measurements in case of non-sinusoidal voltage and current 9—75555
Kus'min, V.S. *see* Nagibarov, V.R. 9—69206
Kusnetz, R. *see* Thibault, L.E. 9—92418
Kusnezow, W., Janowa, L.P., Tolstaja, S.N. The mechanism of graft polymerization of styrene on freshly formed surfaces of mineral matter 9—100365
Kusnowo, A. *see* Ohtsu, M. 9—98400
Kusov, A.A. *see* Vladimirov, V.I. 9—73167, 9—99190
Kusse, B. *see* Schuss, J.J. 9—82078
Kussoy, M.I. *see* Acharya, M. 9—60001
Kustanovich, I.V. *see* Materova, E.A. 9—91972
Kustarjev, V.N. *see* Golovachik, V.T. 9—49875
Kuster, H. *see* Ebert, J. 9—50365
Kuster, Th. *see* Mandli, H. 9—89036
Kusterle, D. The temperature dependence of magnetophonon effect in n-InSb below 90K 9—56247
Kusters, J.A. *see* Adams, C.A. 9—55290
Kusto, W.J., Rohleder, J.W. Accurate temperature measurements of birefringence in fluorene 9—82944
Kustom, R.L., Fuja, R.E., Brooks, J.N. Energy storage and transfer systems for Tokamak reactors 9—76127
Kustom, R.L. *see* Stacey, W.M., Jr. 9—71967
Kustov, E.F., Loshchenov, V.I., Surogina, V.A. Intensities of electric dipole transitions between the states of $4f^n$ configurations 9—78062
Kustov, E.F. *see* Zakharov, N.A. 9—65928
Kustovskaya, I.I. *see* Shpenzer, N.P. 9—66358
Kustovskii, A.F. *see* Voronov, S.A. 9—76267
Kusuda, T. *see* Honda, S. 9—78454, 9—78468
Kusukawa, K.-I. An iteration method of the viscous flow past a thin obstacle The boundary layer along aflat plate 9—94599
Kusumegi, A. *see* Hirabayashi, H. 9—72053
Kusumegi, A. *see* Ono, M. 9—76029
Kusumoto, O. *see* Kichimi, H. 9—89207
Kusumoto, O. *see* Sugahara, R. 9—93454
Kusumoto, T. *see* Maegawa, S. 9—56027
Kusunoki, I., Ottinger, C., Zimmermann, S. Chemiluminescent ion-molecule reactions of O^+ ions with CH_4, C_2H_4, C_2H_6, C_3H_8 9—96299
Kusunoki, M. The potential curve crossing problem is strongly coupled localized electron-phonon system. I. Landau-Zener formula 9—87049
Kusunoki, T. *see* Akita, K. 9—60370
Kusunose, M. *see* Kitajima, T. 9—62702

Kuswa, G.W. *see* Humphries, S., Jr. 9—72016, 9—89512
Kuswa, G.W. *see* Johnson, D.J. 9—93851
Kutas, R.I. Heat flows in the European territory 9—96751
Kutas, R.I., Lubimova, E.A., Smirnov, Ya.B. Heat flow map of the European part of the USSR 9—70766
Kutas, V.V. Parameters of body seismic waves in the upper mantle from seismological data in the region of the eastern part of the Crimea-Vrancha-Bohemian Massif geological traverse 9—53316
Kutasov, V.A., Luk'yanova, L.N. Determination of the anisotropy parameter of the Hall effect in $Bi_2Te_{3-x}Se_x$ solid solutions 9—69536
Kutasov, V.A. *see* Boikov, Yu.A. 9—69304
Kutateladze, K.S., Gaprindashvili, G.G., Loladze, G.Z., Tedeishvili, L.K. Microstructure of opaque glazes 9—60281
Kutateladze, S.S., Avksentyuk, B.P. Heat transfer crises in liquid helium 9—94466
Kutateladze, S.S., Ivakin, V.P., Kirdyashkin, A.G., Kekalov, A.N. Thermal free convection in a liquid in a vertical slot under turbulent flow conditions 9—98721
Kutateladze, S.S., Kirdyashkin, A.G., Berdnikov, V.S. Effect of thermocapillary forces on heat and mass transfer on the free surface of a turbulent horizontal layer of liquid with thermally and gravitationally-induced free convection 9—98722
Kutateladze, S.S., Rubtsov, N.A., Bal'tsevich, Ya.A. Effect of magnitude of gap between metal plates on their thermal interaction at cryogenic temperatures 9—86323
Kutateladze, S.S., Rubtsov, N.A., Bal'tsevich, Ya.A., Yeremenko, G.P. Radiant heat transfer at cryogenic temperatures 9—76950
Kutateladze, S.S., Rubtsov, N.A., Bazanov, V.A., Dulin, M.N. Propagation of a laser beam in a liquid under conditions of turbulent natural convection 9—98831
Kuteev, B.V. *see* Zhilinskii, A.P. 9—55465, 9—64833, 9—77444
Kuteev, B.V. *see* Zhillinskii, A.P. 9—64901
Kuteinikova, Z.A., Enisherlova, K.L., Podshibyakina, N.P. Deformation of brittle single crystals during static indentation 9—87714
Kuteinikova, Z.A. *see* Enisherlova, K.L. 9—52517
Kut'enkov, V.A., Ivanov, V.K., Shulepov, V.I., Sokolovskaya, E.M., Guzei, L.S., Perekatova, E.K., Dorokhovich, V.P. Protective action of coatings of titanium nitride on tungsten fibres 9—66201
Kut'eva, T.G. *see* Arkatova, T.G. 9—71512
Kuti, Cs. *see* Bakos, J.S. 9—59809
Kutikhina, Zh.Ya. *see* Bormiskaya, S.T. 9—91663
Kut'ina, O.G. Estimation of reflecting area parameters, allowing for correlation of their amplitude characteristics 9—74856
Kut'ina, O.G. *see* Gol'tsman, F.M. 9—74857
Kutina, R.E. *see* Esche, B.A. 9—86043
Kutishcheva, V.A. *see* Borovs'kii, V.P. 9—50695
Kutner, R., Sosnowska, I. Quasi-elastic neutron scattering laws at finite concentrations of elements diffusing in a crystal 9—77829
Kutner, R., Sosnowska, I. Nonlinear equations of correlated jump diffusion derived in the context of hydrogen migration in a metal 9—82386
Kutoglu, A., Scheringer, C. X-N and X-X($1s^2$ core) maps for cyanuric acid 9—50922
Kutolin, S.A., Ivanova, N.M. Optical properties, electron structure, and disorderly atomic distribution in nitrides crystallizing with NaCl structure 9—52056
Kutra, J., Sakalas, A., Zindulis, A., Zuk, V. Electrical properties of p-CdSe layers obtained by the ion implantation of selenium 9—51699
Kutsaev, A.S. Motion of low-density gaseous bodies in the atmosphere 9—84554
Kutsaev, A.S. Supersonic flow around a large body in an exponential atmosphere 9—90278
Kutsai, V.G. *see* Shlomchak, G.G. 9—52524
Kutsarova, T. *see* Bochev, B. 9—97648
Kutsarova, Yu.Kh. *see* Shinev, Kh.D. 9—88975
Kutsenogii, K.P. *see* Ankilov, A.N. 9—67455, 9—93270
Kutsova, V.Z., Borshchevskaya, D.G., Sokolov, V.V., Bogomaz, T.N. Formation of regular eutectic composite materials 9—56968
Kutter, H. *see* Bartscher, W. 9—49809
Kuttruff, H. On the influence of an angularly dependent sound absortion factor on the reverberation time 9—81631
Kuttruff, H.von *see* von Kuttruff, H.
Kutty, A.P.G. Stability of a current-carrying plasma sheet 9—60133
Kutty, T.G.G. *see* Sarma, A.V.S.S.S.R. 9—72865
Kutulya, L.A. *see* Krasovitskii, B.M. 9—85992
Kutzelnigg, W. Generalized k-particle Brillouin conditions and their use for the construction of correlated electronic wavefunctions 9—81146
Kutzelnigg, W. *see* Maeder, F. 9—93913
Kutzelnigg, W. *see* Reitz, H. 9—97967
Kutzendorfer, J. Isothermic kinetic equations for powdered substances reactions 9—70301
Kuusela, M.L. *see* Aittoniemi, K. 9—63285
Kuusmann, I.L. *see* Lushchik, Ch.B. 9—87483
Kuvatov, A. *see* Bezrukov, O.F. 9—95197
Kuvatov, O.T. *see* Azimov, S.A. 9—49559, 9—80857
Kuvshinnikov, S.V. *see* Brandt, N.B. 9—82752
Kuvshinov, G.G. *see* Burdukov, A.P. 9—90309
Kuvshinskii, E.V. *see* Lebedeva, M.F. 9—74256
Kuwabara, K., Nitta, A. Thermal fatigue strength of 304 stainless steel 9—83306
Kuwabara, K. *see* Takahashi, T. 9—87135
Kuwabara, M. *see* Benn, M. 9—100102
Kuwabara, S. *see* Azuma, N. 9—56921, 9—91574
Kuwahara, H. *see* Kiwamoto, Y. 9—72989
Kuwahara, K. *see* Fuke, S. 9—99448
Kuwahara, M. *see* Eiho, S. 9—83927
Kuwahara, M. *see* Hachimura, K. 9—88180
Kuwahara, M. *see* Onnagawa, H. 9—99071
Kuwahara, M. *see* Yamamoto, H. 9—83925
Kuwamoto, H. *see* Sato, H. 9—99149
Kuwana, H. *see* Fujii, K. 9—99014
Kuwano, N., Mishio, H., Eguchi, T. Configuration of periodic antiphase boundaries in α_2 phase of Cu-Al alloys 9—95029
Kuwashima, M. *see* Nagai, T. 9—75056
Kuwata, H. *see* Inagaki, T. 9—69802
Kuwata, J., Uchino, K., Nomura, S. Diffuse phase transition in lead zinc niobate 9—82933
Kuwata, J. *see* Nomura, S. 9—87395
Kuwata, K. *see* Doi, Y. 9—68244
Kuypers, H.G.J.M. *see* Van Der Kooy, D. 9—79504
Kuypers, K. *see* Overdijk, J. 9—70720
Kuzakhmedov, R.Kh. *see* Seidov, Z.F. 9—96994
Kuzali, A.S. Optical phenomena in a plane four-layer waveguide with a diffraction grating 9—55250
Kuzali, A.S. *see* Zaitsev, S.V. 9—55226, 9—76850
Kuzay, T.M. *see* Hwang, I.T. 9—49750
Kuze, E. *see* Sumita, O. 9—61199
Kuze, E. *see* Takezoe, H. 9—94873
Kuze, E. *see* Usui, H. 9—99059
Kuzemskii, A.L. Self-consistent theory of electron correlation in the Hubbard model 9—60673
Kuzenkova, M.A., Kislyi, P.S., Makarenko, G.N., Zyatkevich, D.P., Kosolapova, T.Ya., Miller, T.N., Grabis, Ya.P. Sintering behavior of aluminum nitride synthesized in low-temperature plasma 9—100097
Kuzenkova, M.A. *see* Kislyi, P.S. 9—74094
Kuzginov, V.I., Miklayaev, P.G. Determining the parameters of fatigue crack growth rate in the thickness direction of the material 9—57168
Kuzhevskii, B.M., Maduev, V.L., Pisarenko, N.F., Savenko, I.A., Shestopalov, I.P. A study of the propagation of solar cosmic rays from the eastern flares of May 28, June 15, and August 2, 1972, on the Prognoz satellite. I. Experimental results of measurement of solar particles in flares and analysis of integral proton spectra 9—62695
Kuzhevskii, B.M., Maduev, V.L., Pisarenko, N.F., Savenko, I.A., Shestopalov, I.P. A study of the propagation of solar cosmic rays from the eastern flares of May 28, June 15, and August 2, 1972, on the Prognoz satellite. II. A model of the propagation of solar particles in the interplanetary medium 9—80128
Kuzhevskii, B.M., Petrova, I.V. Influence of solar magnetic fields on the escape of accelerated particles into interplanetary space 9—62807
Kuzhevskii, B.M. *see* Gordeeva, N.M. 9—80267
Kuzhevskii, B.M. *see* Kolesov, G.Ya. 9—62675
Kuzhevskiy, B.M. *see* Blokh, G.M. 9—53695
Kuzhukeev, Zh.-N.M., Koptsik, V.A. Symmetry groups of colored polyhedra and colored simple forms 9—60294
Kuzin, A.G. *see* Kludzin, V.V. 9—64381
Kuz'kina, N.N. *see* Danilovich, N.N. 9—52265
Kuz'ma, Yu.B. Crystal structure of $Ce_2Co_5B_2$ compound 9—51050
Kuz'ma, Yu.B. *see* Marko, M.A. 9—99294
Kuz'ma, Yu.B. *see* Val'ovka, I.P. 9—52157
Kuzmany, H. *see* Singh, S.P. 9—61309
Kuz'menko, N.E. *see* Smirnov, A.D. 9—94037
Kuz'menko, V.A., Golovanev, Yu.M., Matokhnyuk, L.E. Installation for studying fatigue strength of materials in acoustic loading 9—83426
Kuz'menko, V.A. *see* Pilyankevich, A.N. 9—52374
Kuz'menkov, L.S. The Bogolyubov hierarchy of equations for relativistic systems. Radiation damping of waves in a plasma 9—77377
Kuz'menkov, M.I., Pechkovskii, V.V., Martynchik, S.P., Barannikova, T.I. Preparation and properties of barium monofluorophosphate 9—52147
Kuz'menkov, M.I. *see* Cherches, G.Kh. 9—50173
Kuz'menkov, S.G. *see* Dudinov, V.N. 9—96925
Kuz'michev, A.A., Budkevich, B.A., Polikanin, A.M., Sviridov, V.V., Pilipovich, V.A. Application of photochromic AgHal-CuHal films for hologram recording 9—64184
Kuz'michev, L.A. *see* Volkova, L.V. 9—62709
Kuz'michev, V.M. *see* Katrich, A.B. 9—58795
Kuz'michev, V.M. *see* Koltok, Yu.V. 9—93220
Kuzmin, A.A. *see* Balbekov, V.I. 9—63829
Kuzmin, A.A. *see* Baldin, A.M. 9—72125
Kuz'min, A.A. *see* Buglaev, V.T. 9—85137
Kuz'min, A.D. *see* Bruk, Yu.M. 9—62863
Kuzmin, A.D. *see* Izvekova, V.A. 9—75233
Kuz'min, A.D. *see* Kardashev, N.S. 9—62862
Kuz'min, A.I., Chirkov, N.P., Filippov, V.A., Shafer, G.V. 11-year variations of cosmic rays in the nineteenth and twentieth cycles of solar activity 9—84602
Kuz'min, A.I. *see* D'yakonov, M.N. 9—80151
Kuz'min, A.I. *see* Gavril'ev, A.I. 9—80136
Kuz'min, E.A. *see* Saf'yanov, Yu.N. 9—60340, 9—86772
Kuz'min, E.A. *see* Soldatov, E.A. 9—84939, 9—84941, 9—86652, 9—94840
Kuz'min, E.A. *see* Soldatov, E.N. 9—77584
Kuz'min, E.A. *see* Zakharov, L.N. 9—65068
Kuz'min, E.M. *see* Gornostaev, B.D. 9—76130
Kuz'min, G.A., Patashinskii, A.Z. Short-wave asymptote of the turbulence spectrum 9—86409
Kuz'min, G.P. *see* Askar'yan, G.A. 9—64886
Kuz'min, G.P. *see* Zaroslov, D.Yu. 9—76676
Kuzmin, L.A. *see* Barsov, S.G. 9—87370
Kuz'min, L.A. *see* Gordeev, V.A. 9—56675
Kuz'min, M.V. *see* Spiridonov, A.I. 9—67370
Kuz'min, R.N. *see* Andreeva, M.A. 9—73871
Kuzmin, R.N. *see* Kolpakov, A.V. 9—78594
Kuzmin, R.N. *see* Lobanov, N.N. 9—61287
Kuzmin, S.G., Mandzhikov, V.F., Barachevskii, V.A. Investigation of the photochromic transformation of spiropyrans by electrooptical chronography 9—57264
Kuz'min, S.L., Likhachev, V.A., Myshlyaev, M.M., Nikonov, Yu.A., Sen'kov, O.N. Influence of impurities on superplasticity of aluminium 9—91735
Kuz'min, S.L. *see* Aristova, I.M. 9—74200
Kuz'min, S.L. *see* Krylov, B.S. 9—100189
Kuz'min, S.L. *see* Likhachev, V.A. 9—83257
Kuzmin, V.A., Darmanyan, A.P., Levin, P.P. Laser photolysis study of the spectral-kinetic characteristics of short-lived triplet exciplexes and the mechanism of atomic hydrogen transfer in the course of 2,6-diphenyl-1,4-benzoquinone triplet quenching with aromatic amines 9—79228
Kuzmin, V.A., Malkin, Y.N., Zakhs, Ed.R. Study of the mechanism of the photocoloration of photochromic spiropyrans 9—83487
Kuzmin, V.A. *see* Ignatiev, A.Y. 9—71620
Kuz'min, V.S. *see* Nagibarov, V.R. 9—50273
Kuz'mina, I.P. *see* Kobyakov, I.B. 9—98584
Kuz'mina, L.M. *see* Kovalenko, N.P. 9—91015
Kuz'mina, N.P. *see* Knyazev, I.N. 9—59517
Kuz'mina, T.I. *see* Yupko, V.L. 9—86962
Kuzminikh, V.A., Plotnikov, S.V., Vorobiev, S.A. Study of generation of secondary electrons and radiation defects in alkali halides irradiated with swift electrons 9—55782
Kuz'minov, V.V., Dudnikov, A.A., Slesarev, I.S., Sirotkin, A.M. Estimation of errors of some computational models of fast reactors 9—97750
Kuz'minov, V.V., Slesarev, I.S., Dudnikov, A.A. The construction of coordinate functions in the method of imbedded elements for boundary-value problems of reactor theory 9—59128
Kuzminov, Yu.S. *see* Gorelik, V.A. 9—78678
Kuz'minova, L.P. *see* Korsukov, V.E. 9—95301
Kuzminski, H. Meteorites 9—101123
Kuz'minskii, I.N. *see* Kondranin, T.V. 9—90283
Kuz'mitskii, M.L. *see* Bruk, M.V. 9—66245
Kuz'mitskii, M.L. *see* Zel'tser, V.S. 9—66244
Kuznecov, O.A. *see* Foken, T. 9—66756
Kuznetsov, A.A. *see* Baryshev, V.I. 9—53535
Kuznetsov, A.A. *see* Gel'man, M.M. 9—76731
Kuznetsov, A.I. *see* Abramov, V.N. 9—95329
Kuznetsov, A.I. *see* Godik, E.E. 9—82630, 9—82631
Kuznetsov, A.I. *see* Petrova, I.V. 9—86770
Kuznetsov, A.I. *see* Polshkov, M.K. 9—84524
Kuznetsov, A.I. *see* Zhukova, L.A. 9—78664
Kuznetsov, A.K. *see* Kravchinskaya, M.V. 9—100117
Kuznetsov, A.K. *see* Tikhonov, P.A. 9—96247
Kuznetsov, A.N., Serebrennikov, V.A. Mechanism of the appearance of electric charges on the surface of quartz glass in vacuum 9—69743
Kuznetsov, A.N., Shishkin, M.N., Yakovlev, V.E. Shock-test stand 9—80611
Kuznetsov, A.P. *see* Krindach, D.P. 9—50318
Kuznetsov, A.V., Mersov, G.A., Novak, B.L., Esimont, N.A., Estulin, I.V., Vedrenne, Zh., Niel', M., Orli, K., Shambon, Zh. On the possibility to localize gamma burst sources detected by the artificial Earth satellites Prognoz 6 and Sneg 3 9—80371
Kuznetsov, A.Ya., Kuleshov, A.P., Sakharova, K.V. Multicomponent thin films 9—72726
Kuznetsov, B.T. Scattering of electromagnetic waves from acoustic atmospheric formations in the field of a point sound source with an extended spectrum 9—92579
Kuznetsov, B.Ya. *see* Bobkov, A.F. 9—67433
Kuznetsov, D.A., Hodorowicz, S. On the effect of pH of solution on the kinetics of crystallization 9—99095
Kuznetsov, E.A., L'vov, V.S., Predtechenskii, A.A., Sobolev, V.S., Utkin, E.N. The problem of transition to turbulence in Couette flow 9—98692
Kuznetsov, E.P. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Kuznetsov, E.V. *see* Baskov, A.A. 9—49249

Kuznetsov, F.A. *see* Demin, B.N. 9—56095
Kuznetsov, G.I. Probability interpretation of the asymptotic properties of strong interactions 9—93389
Kuznetsov, G.M., Sergeev, M.A., Eimbke, V.V. Compensation for drift in gyrooptical compass 9—63206
Kuznetsov, I.A., Bagrov, A.I., Radionova, L.Kh., Somova, V.M. Magnetic, electrical, and mechanical properties of steel 35SGM after hardening and tempering 9—66086
Kuznetsov, I.A., Popenko, V.F., Filippov, S.M. Anti-thixotropic properties of iso-ionic solutions of DNA 9—57680
Kuznetsov, N.A. *see* Emel'yanov, I.Ya. 9—67896
Kuznetsov, N.M. *see* Golubkov, G.V. 9—98858
Kuznetsov, O.Yu. *see* Mints, R.I. 9—55664
Kuznetsov, S.N. *see* Kozlov, S.N. 9—51651
Kuznetsov, S.N. *see* Vakulov, P.V. 9—80069
Kuznetsov, S.N. *see* Yemel'yanenko, S.N. 9—62678
Kuznetsov, S.N. *see* Zakharov, A.V. 9—62682
Kuznetsov, V.A. *see* Zakharkin, I.I. 9—71879
Kuznetsov, V.G. *see* Linde, S.A. 9—86767
Kuznetsov, V.I. Delayed fission of nuclei, produced in synthesis induced by heavy-ion beams and by impulse neutron currents 9—89341
Kuznetsov, V.I., Lazereva, L.E., Nedorezov, V.G., Kikitina, N.V., Parovic, N.M. Yields and cross sections of the $^{241}Am(\gamma,n)^{240mf}Am$ and $^{243}Am(\gamma,n)^{242mf}Am$ reactions in the E1 giant resonance region 9—80924
Kuznetsov, V.I. *see* Zhdanov, B.V. 9—91413
Kuznetsov, V.M. Silicon-alloying of magnetically hard alloys with Fe-Co-Ni-Al base 9—73765
Kuznetsov, V.M., Munin, A.G. Coaxial jet noise and isothermal jets 9—86423
Kuznetsov, V.M. *see* Kalinin, B.N. 9—68123
Kuznetsov, V.P. *see* Danilenko, V.N. 9—68125
Kuznetsov, V.R. Statistical properties of turbulence in the inertial subrange of the spectrum 9—98690
Kuznetsov, V.R., Rasshchupkin, V.I. Probability distribution and conditional averaging in turbulent flows 9—68711
Kuznetsov, V.S. *see* Alifanov, O.M. 9—93110
Kuznetsov, V.V., Sorokin, V.S. Production of epitaxial layers of GaP from solutions in Sb and Bi melts 9—52131
Kuznetsov, V.V., Sorokin, V.S. The solidus in the quasibinary system GaP-Sb in the region of primary crystallization of GaP 9—86891
Kuznetsov, V.V. *see* Berndt, V. 9—69869
Kuznetsov, V.V. *see* Gromov, K.Ya. 9—75918
Kuznetsov, V.Yu. *see* Morozov, O.P. 9—52509, 9—91644
Kuznetsov, Ye.A., Gorokhovsky, G.A. Stress distribution in a polymeric material subjected to the action of a rough-surface indenter 9—52471
Kuznetsov, Ye.A., Gorokhovsky, G.A. Effect of foughness and Poisson's ratio on deformation conditions in the surface layers of contacting bodies 9—79122
Kuznetsov, Yu.E., Flaksman, Ya.Sh. Profile of a nozzle shaping the free-molecule flow intended to investigate air-intakes and cascades 9—94652
Kuznetsov, Yu.N. *see* Aref'ev, K.P. 9—99974
Kuznetsov, Yu.V. *see* Antipin, N.I. 9—100729
Kuznetsova, A.L. *see* Antipin, M.V. 9—58814
Kuznetsova, E. *see* Aksinenko, V. 9—97713
Kuznetsova, E.A. *see* Bronfin, M.B. 9—96203
Kuznetsova, E.M. *see* Novakovskii, S.V. 9—49321
Kuznetsova, G.N., Tolstoi, V.P., Evstratov, A.A. Simple multiple reflection attachment to the UR-10 and UR-20 IR spectrophotometers 9—71543
Kuznetsova, M.P. *see* Shtern, E.N. 9—53014
Kuznetsova, M.Ya. *see* Vylov, Ts. 9—75917
Kuznetsova, N.N. *see* Yurchenko, V.S. 9—55678
Kuznetsova, R.I., Fesenko, A.V., Lavrukhina, A.K. Theoretical calculations of the content of K-captured isotopes in galactic cosmic rays 9—80114
Kuznetsova, R.I., Zhukov, N.N. Structural changes during superplastic deformation of Al-Ge alloys 9—83258
Kuznetsova, S.V., Maslov, A.I. New reaction rate constants of CF_3, n-C_3F_7, and i-C_3F_7 radicals 9—52671
Kuznetsova, V.A. *see* Kovner, M.S. 9—53657
Kuznetsova, V.G., Maksimchuk, V.E. Possibilities to distinguish electric conductivity anomalies on the basis of repeated high-accurate observations of the geomagnetic field 9—96736
Kuznetsova, V.G., Maksimchuk, V.Ye. Characteristics of the study of secular geomagnetic field variations in the Carpathians 9—53301
Kuznicki, Z.T. Transition regions in epilayer structures 9—78167
Kuzov, K., Melikov, A., Zerinov, A. An experimental study of the initial part of a free annular jet with finite rddial dimensions under entrainment conditions 9—98772
Kuzovkova, T.A. Electro-optic modulator with low passive losses 9—76860
Kuzovlev, Yu.E. *see* Bochkov, G.N. 9—58668, 9—80525, 9—85058
Kuzyakov, B.A. Measurements of the population of the upper laser level of the CO_2 molecule and of the activelmedium gain in a waveguide discharge channel 9—86158
Kuzyakov, B.A. *see* Grigor'yants, V.V. 9—94209
Kuzyakov, Yu.Ya. *see* Smirnov, A.D. 9—94037
Kuzyakova, T.M. *see* Polyakova, I.B. 9—92323
Kuzyk, M.P. *see* Vishnevskii, V.N. 9—91414
Kvaal, E. *see* Tveten, U. 9—63782
Kval'ya, M. *see* Apel', V.D. 9—67609
Kvantaliani, N.E. *see* Grois, L.V. 9—90319
Kvapil, J., Kubelka, J., Kvapil, J., Perner, B. Temperature distribution in growing semi-transparent crystals. II. Comparison of theory with experiments 9—65998
Kvapil, J., Kubelka, J., Vadura, R. Temperature distribution in growing semi-transparent crystals. I. Theory 9—65017
Kvapil, J. *see* Kvapil, J. 9—65998
Kvasnevskii, O.G., Yushchenko, K.A., Mon'ko, G.G. Low-temperature properties of strain-hardened austenitic stainless steels containing nitrogen 9—66128
Kvasnicka, J. Dose rate and flux density of cosmic muons estimated by TLD method 9—58208
Kvasov, E.L. *see* Gil'fanov, F.Z. 9—99943
Kvater, G.S. *see* Mishchenko, E.D. 9—55001, 9—93233
Kventsel, G.F., Katriel, J. Exact solutions for infinite-range spin Hamiltonians 9—78281
Kvernvold, O., Tyvand, P.A. Nonlinear thermal convection in anisotropic porous media 9—55414
Kvetnyi, M.A., Khabenskii, V.V., Baldina, O.M. A mathematical model of transient hydraulic regimes in the steam-generating elements of once-through steam boilers 9—68816
Kvick, A., Koetzle, T.F., Stevens, E.D. Deformation electron density of α-glycylglycine at 82K. II. The X-ray diffraction study 9—86777
Kvitka, A.L., D'yachkov, I.I. Structural strength of glued permanent joint in spherical shell of brittle material. I 9—94559
Kvitka, A.L. *see* Bobritskaya, S.D. 9—86340, 9—90139
Kvitka, A.L. *see* Kovtun, A.D. 9—52280
Kviz, Z. On zero-point drift in astronomical photoelectric photometry 9—53735
Kvlividze, V.I., Pylova, M.B. NMR investigation of frozen solutions 9—56617
Kvon Ze Don, Neizvestnyi, I.G., Ovsyuk, V.N. Germanium MOS transistor at cryogenic temperatures 9—69604
Kvon Ze Don, Neizvestnyi, I.G., Ovsyuk, V.N., Rzhanov, Yu.A. Anomalous Hall-factor in electronic inversion channels on Ge 9—95467
Kvyatkovskaya, K.K. *see* Grum-Grzhimailo, O.S. 9—60279, 9—60282
Kwadow, M. *see* Heitz, Ch. 9—63948
Kwak, J.F., Clarke, T.C., Greene, R.L., Street, G.B. Transport properties of heavily AsF_5 doped polyacetylene 9—87121
Kwak, J.F. *see* Chaikin, P.M. 9—56203
Kwak, J.F. *see* Greene, R.L. 9—65581
Kwak, J.F. *see* Yamaya, K. 9—91182
Kwak, N. *see* De Clercq, C. 9—89188
Kwak Young Soon *see* Young Soon Kwak
Kwan, B.P. *see* Piccolo, M. 9—93439
Kwan, B.P. *see* Rapidis, P.A. 9—75780
Kwan, J. The mass spectrum of interstellar clouds 9—53863
Kwan, L.I. *see* Marhic, M.E. 9—81447
Kwan, P. *see* Heetderks, W. 9—79711
Kwan, T., Dawson, J.M. Investigation of the free electron laser with a guide magnetic field 9—68377
Kwan, T., Godfrey, B.B. Simulations of free electron laser 9—68376
Kwan Chen Chih *see* Chih Kwan Chen
Kwan Kim, J. *see* Oh, S.K. 9—93355
Kwan Park Yong *see* Yong Kwan Park
Kwan Sik Chun *see* Sang Hoon Lee 9—54523
Kwan Sze-Hon *see* Sze-Hon Kwan
Kwan Un Chong *see* Un Chong Kwan
Kwang-Youl Kim Multiphoton effect in the optical-absorption spectra of free polarons 9—95347
Kwasniewicz, E. *see* Zastawny, A. 9—100754
Kwasnitza, K., Salathe, D., Gubser, D.U., Howe, D. AC losses in Nb_3Sn and V_3Ga multifilament superconductors 9—60979
Kwast, H. Transient burst tests on fast reactor cladding material 9—93770
Kwatny, E.M. *see* Negin, M. 9—83977
Kwei-Lin Hsu *see* Hsu Kwei-Lin
Kwi Choi Boo *see* Choi Boo Kwi
Kwiatkowski, E., Dabrowska, H., Zachara, S. The ligand field symmetries of piperidinium salts of europium (III) tetrakis (benzoyltrifluoroacetonates) 9—61413
Kwiatkowski, J.S. An ab initio study of 2- and 4-hydroxypyridine tautomers 9—81154
Kwiatkowski, J.S. *see* Berndt, M. 9—96305
Kwiecinski, J. *see* Fukugita, M. 9—54324, 9—71722
Kwiecinski, J. *see* Jaroszewicz, T. 9—75930
Kwitter, K.B. *see* Margon, B. 9—62839
Kwoh, D. *see* Cole, M.W. 9—51382
Kwoh, Y.S. *see* Reed, I.S. 9—66557, 9—83946
Kwok, B.P., Nelson, S.O., Bahar, E. Time-domain measurements for determination of dielectric properties of agricultural materials 9—71482
Kwok, H.H.L. Autoregressive analysis applied to surface and serosal measurements of the human stomach 9—70656
Kwok, M.A. *see* Wilkins, R.L. 9—50069
Kwok, T. *see* Harrison, R.J. 9—77610
Kwok Sun *see* Sun Kwok
Kwok-Cheong Tam, Perez-Mendez, V., Macdonald, B. 3-D object reconstruction in emission and transmission tomography with limited angular input 9—66535
Kwok-tsang Cheng, Yong-Ki Kim Excitation energies and oscillator strengths in the silver isoelectronic sequence 9—54918
Kwon, O.Yul *see* Yul Kwon, O.
Kwon, Y.S., Lefkowitz, I., Lontz, R. Improved liquid crystal device response time 9—76806
Kwon Young Key *see* Park Han Kyu 9—64225
Kwong Chu *see* Rogstad, D.H. 9—53905
Kwun, H. *see* Sanders, D.J. 9—56017
Ky Lan Vo *see* Vo Ky Lan
Kyarner, T.N., Sorkin, B.A. Hole processes in photostimulated luminescence and electron emission from MgO crystals 9—69889
Kyaw Tha Paw U, Callahan, P.S., Mankin, R.W. Insects as unidentified flying objects: comment [and replies] 9—96728
Kyazym-Zade, A.G. *see* Abdinov, A.Sh. 9—51632
Kyberd, P. *see* Crabb, D.G. 9—63528
Kychkin, I.S. *see* Sivtsev, V.I. 9—63895
Kycia, T.F. *see* Carroll, A.S. 9—63511
Kyle, G.S. *see* Ray, L. 9—63669
Kyle, T.G. Determining particle concentration by statistics 9—66370
Kyle, T.R. *see* Van Uitert, L.G. 9—49219
Kyo, Ya.P. Determination of residual stresses in coatings of plates using a curvature gauging method 9—98674
Kyokane, J. *see* Yoshino, K. 9—51592, 9—51905
Kyoon Ha Lee *see* Lee Kyoon Ha
Kyoshima, A. *see* Kimura, K. 9—74043
Kyotani, M. Solution crystallization of Nylon 6 9—86719
Kyrger, D.I. *see* Caulfield, H.J. 9—85195
Kyriakopoulos, E. Exact dyon solutions in SU_3 gauge theory 9—80745
Kyriakos, D.S., Economou, N.A. Weak-field galvanomagnetic coefficients for structures with orthorhombic symmetry 9—99567
Kyriakos, D.S., Tsoukalas, J., Economou, N.A. Antiferromagnetic behaviour of germanium monoselenide connected with the negative magnetoresistance effect 9—73719
Kyrola, E., Stenholm, S. Probe-spectroscopy of multi-Doppleron processes 9—81400
Kyrsl, V. *see* Zbytovsky, A. 9—67818
Kysel, O. *see* Miertus, S. 9—93935
Kyselka, A. Relation between the Bogolyubov-Born-Green-Yvon and Kirkwood systems in the self-consistent field approximation for polymers 9—64981
Kyselka, A. The ring polymer model with excluded volume 9—94117
Kyser, D. *see* Parikh, M. 9—56897
Kyu Kang Young *see* Young Kyu Kang
Kyu Koh Youn *see* Youn Kyu Koh
Kyu Park Han *see* Park Han Kyu
Kyuchukov, G. *see* Elenkov, D. 9—64809
Kyuma, K. *see* Moriizumi, T. 9—50447
Kyz'menko, V.S. *see* Get'man, V.A. 9—63487

la Bathie, R.Perrier de *see* Perrier de la Bathie, R.
La Camera, M., Wataghin, A. High-energy pionization from hot baryonium states 9—97603
La Cara, A., Trimm, D.L. The growth of carbon particles during pyrolysis 9—91919
la Garanderie, H.Payen de *see* Payen de la Garanderie, H.
la Guillaume, C.Benoiot a *see* Benoiot a la Guillaume, C.
la Kampa, A.de *see* de la Kampa, A.
La Mar, G..N., Budd, D.L., Viscio, D.B., Smith, K.M., Langry, K.C. Proton nuclear magnetic resonance characterization of heme disorder in hemoproteins 9—92152
La Monaca, A. *see* Iannuzzi, M. 9—50962
La Padula, C.D. *see* Ubertini, P. 9—62716
la Pena, L.de *see* de la Pena, L.
la Ripelle, M.Fabre de *see* Fabre de la Ripelle, M.
La Rotonda, L. *see* Bellecci, C. 9—70463
La Rubia, J.de *see* de La Rubia, J.
La Rubia, J.De *see* De La Rubia, J.
La Rue, E.A.De *see* De La Rue, E.A.
La Rue, R.E.De *see* De La Rue, R.E.
La Vecchia, A. *see* Lazzari, M. 9—66016
Laakkonen, J. *see* Nieminen, R.M. 9—61464
Laan, H.van der *see* van der Laan, H.
Laan, J.Van Der *see* Van Der Laan, J.

Laane, R., Sui, H. Investigation of the stabilization of plasma jet on the axis of cylcone plasma chemical reactor 9—50899
Laar, B.Van *see* Van Laar, B.
Laarse, R.Van Der *see* Van Der Laarse, R.
Laat, S.W.de *see* de Laat, S.W.
Laats, P.V., Boston, R.C., Bennett, J.A. Comparison of rain attenuation predicted by radar and distrometer with attenuation measured with a radiometer 9—62542
Labarre, J.-F. *see* Serafini, A. 9—76335
Labarthe, J.J. IV. Approximation of numerical orbitals by Slater functions 9—49930
Labarthe, J.J. I. Generator of determinantal nonrelativistic atomic states from spectroscopic notation, computation of matrix elements 9—54758
Labarthe, J.J. II. Generator of atomic excited terms from angular considerations 9—54759
Labarthe, J.J. III. Analytic approximations of radial orbitals for multiconfigurational Hartree-Fock computations 9—54760
LaBauve, R.J., England, T.R. Rapid spectral and decay-heat calculations using processed ENDF/B fission product data 9—67797
Labbe, G., Maeder, C. Basic study of the nondestructive examination of steel products by eddy currents 9—61831
Labbe, J. *see* Hivert, A. 9—56946
Labbe, P., Goreaud, M., Raveau, B., Monier, J.C. Comparative study of structures M_xWO_3 of bronze hexagonal type. II. Structural evolution of the bronzes series In_xWO_3 ($0.12<x<0.33$) 9—73141
Labbe, P., Mignot, A.-L., Surry, C., Verchery, G. Analysis of elasto-plastic problems by mixed finite elements 9—72819
LaBedz, R.H. *see* Daniel, I.M. 9—83295
Laberrigue, J. *see* Givernaud, A. 9—75801
Labershausen, W. *see* Chestnut, R. 9—89533
Labes, M.M. *see* Hu, L.F. 9—78630
Labes, M.M. *see* Lee, H. 9—87400
Labes, M.M. *see* Love, P. 9—73800
Labes, M.M. *see* MacMillan, J.H. 9—90765, 9—94892
Labeyrie, A. Standing wave and pellicle: a possible approach to very large space telescopes 9—92672
Labhart, M., Raoux, D., Kanzig, W., Bosch, M.A. Magnetic order in 2p-electron systems: Electron paramagnetic resonance and antiferromagnetic resonance in the alkali hyperoxides KO_2, RbO_2, and CsO_2 9—95630
Labib, H., Fornazero, J., Mesnard, G. Electronic processes in liquid selenium 9—56223
Labischinski, H. *see* Bradaczek, H. 9—50939, 9—60213
LaBonney, J.J. *see* Horing, N.J.M. 9—60738
Labonte, B.J. Activity in the quiet Sun. I. Observations of macrospicules in Hα and D_3 9—66983
Laborde, P. *see* Sautriot, D. 9—62523
Labotka, T.C., Vaniman, D.T., Papike, J.J. The Apollo 17 drill core: comparative modal petrology and phase chemistry of the >20 μm and <20 μm soil fractions 9—84688
Labrum, N.R. Evidence on chromospheric structure from observations of solar brightness distribution at millimetre wavelengths 9—53799
Labrune, J.-C., Mandret, G., Theobald, J.-G. Experimental measurement of collision cross sections for HCHO-CO_2 and HCHO-NH_3 9—76487
Labrune, J.-C. *see* Gire, A. 9—58669
Labrune, M. *see* Nourtier, C. 9—78434
Labuc, L. *see* Grudzinski, K. 9—66256
Labulle, B., Petipas, C. X-ray study of moñocrystalline alloys near the composition $CeCo_{3.5}Cu_{1.5}$ 9—99120
Labunov, V.A., Leshchenko, I.N., Uvarov, A.R. Installation for the measurement of the adhesion of thin films 9—96245
Labuntsov, D.A., Kryukov, A.P. Analysis of intensive evaporation and condensation 9—86330
Labuntsov, D.A., Soziyev, R.I., Lobachev, A.G., Zakharova, E.A., Kol'chugin, B.A., Borisova, A.I. Investigation of the voids fraction of nonequilibrium two-phase flows 9—90310
Labuntsov, D.A., Soz'yev, R.I. The boiling crisis in a mass force field 9—90248
Labusch, R. Recombination of nonequilibrium carriers in the presence of dislocations in semiconductors 9—82607
Labusch, R. *see* Gwinner, D. 9—82586
Labzovskii, L.N. *see* Braum, P.A. 9—50078
Labzovskii, L.N. *see* Gorshkov, V.G. 9—50098
Labzovsky, L.N., Melibaev, M. Parity violation effects in decays of autoionisable states of two-electron atoms and ions 9—72231
Lacabanne, C., Chatain, D., Monpagens, J.C., Berticat, Ph. Thermally stimulated current and creep in poly(ethylene terephthalate) 9—78613
Lacabanne, C., Chatain, D., Monpagens, J.C., Hiltner, A., Baer, E. Thermostimulated creep in amorphous polyolefins. II 9—69186
Lacabanne, C. *see* Berticat, P. 9—69768
Lacabanne, C. *see* Monpagens, J.C. 9—69185
Lacarrere, P. *see* Andre, J.C. 9—58024
Lacarrieu, C.T. Hipparcos, a new basis for Astrophysics 9—96880
LaCasce, E.O., Jr. *see* Hays, W.P. 9—55352
Lacasse, M.G. *see* Herter, T. 9—80312
Lacava, F. *see* Conversi, M. 9—59301
Lacaze, J. On the basis of mathematical models of natural subsynoptic scale cloud convection in terms of growth 9—70869
Lacaze, R. *see* Billoire, A. 9—85261
Lacey, D. *see* Byron, D.J. 9—82150
Lacha Goud, S., Balasubramanian, V., Gupta, B.K. Green's function application to chemical perturbation studies 9—76417
Lachambre, J.L., Gagne, M., Frechette, M. Longitudinal mode rejection in TEA-CO_2 oscillators 9—86189
Lachambre, J.-L. *see* Otis, G. 9—50332
Lacharme, J.P. *see* Bandyopadhyay, A.K. 9—91543
Lacharme, J.-P. *see* Surget, J. 9—86542
Lachenbruch, A.H. Heat flow in the Basin and Range province and thermal effects of tectonic extension 9—70763
Lachieze-Rey, M. Gravitational waves: An indirect confirmation 9—80495
Lachish, U., Infelta, P.P., Gratzel, M. Optical absorption spectrum of excited ruthenium tris-bipyridyl ($Ru(bpy)_3^{2+}$) 9—50032
Lachish, U., Williams, D.J., Anderson, R.W. Laser photolysis studies of the photoinduced production of ion radicals in polymers 9—100360
Lachkar, J. *see* Haouat, G. 9—89230
Lachman, W., Lackman, M. Technological properties of SiO_2 9—52146
Lachman, W. *see* Ziemba, B. 9—91889, 9—100311
Lachnik, E., Zulczyk, W., Nowak, K., Wiza, J., Licinska, I., Jakubowski, W., Graban, W. Comparison of ^{113m}In-phytate, ^{99m}Tc-phytate and ^{113m}In-colloid as liver scanning agents 9—96650
Lachowicz, H.K. *see* Twarowski, K. 9—91281
Lachowski, A. *see* Nossarzewska-Orlowska, E. 9—95932
Lachter, A. *see* Lascaud, M. 9—99649
Lack, G. *see* Kallo, P. 9—81502
Lackas, W. *see* Berger, C. 9—49519
Lackey, J. *see* Hojvat, C. 9—67971
Lackey, S.L. *see* Andrews, R.A. 9—67990
Lackey, W.J. *see* Johnson, D.R. 9—89483
Lackey, W.J. *see* Notz, K.J. 9—89482
Lackey, W.J. *see* Thiele, B.A. 9—54511
Lackman, M. *see* Lachman, W. 9—52146
Lackme, C. Transmission of a tension pulse through water 9—68750
Lackme, C. Incompleteness of the flashing of a supersaturated liquid and sonic ejection of the produced phases 9—86493
Lackner, K.S. On the space-time structure of the neutral weak current: a generalized version of the confusion theorem 9—75714
Lackner, K.S. Coherent meson production as a test for neutral weak currents of exotic space-time structure 9—75715
Laclare, F. *see* Chollet, F. 9—75101
Laclare, J.L. *see* Aknin, J.P. 9—68001
Laclare, J.L. *see* Faure, J. 9—71985
Laclare, J.L. *see* Grorud, E. 9—72057
Lacmann, R. *see* Trivedi, R. 9—90927
Lacoe, R. *see* Schuller, I. 9—95515
Lacom, W. *see* Zahra, A. 9—74165
Lacombe, M. *see* Pace, P. 9—98335
Lacombe, M. *see* Pauss, F. 9—67577
Lacombe, P. *see* Asaoka, T. 9—73205
Lacombe, P. *see* Chene, J. 9—99234
Lacombe, P. *see* Delaunay, D. 9—83382
Lacombe, P. *see* Moulin, G. 9—74306, 9—74307
Lacombe, P. *see* Moulin, P. 9—95203
Lacombe, P. *see* Naka, S. 9—91677
Lacotte, D. Before long the optical recording disc 9—55207
Lacoume, J.-L. *see* Glangeaud, F. 9—70929
Lacroix, A., Makai, B. A novel vocoder concept based on discrete time acoustic tubes 9—59885
Lacroix, A. *see* Street, R. 9—92492
Lacroix, M. *see* Dumont-Fillon, J. 9—52555
Lacroix, R., Weber, J., Duval, E. Jahn-Teller effect in trigonal symmetry 9—82563
Lacroix, R. *see* Anisimov, V.I. 9—51481
Lacy, J.H. *see* Beck, S.C. 9—92844
Lacy, J.H. *see* Geballe, T.R. 9—62840
Lacy, L.L. *see* Choh-Yi Ang 9—78864
Lada, C.J. The locations of newly formed stars in molecular clouds 9—58330
Lada, C.J. *see* Elmegreen, B.G. 9—71084
Ladage, A. *see* Brandelik, R. 9—63491, 9—93441
Ladagin, V.K. *see* Vyskubenko, B.A. 9—64250
Ladan, H. *see* Heikens, D. 9—57088
Ladany, I., Furman, T.R., Marinelli, D.P. Internal stress and degradation in short-wavelength AlGaAs double-heterojunction devices 9—68393
Ladany, I., Levin, E.R. Growth initiation and cathodoluminescence irregularities in LEP AlGaAs layers 9—87010
Ladanyi, B.M., Keyes, T. Effect of internal fields on depolarized light scattering from n-alkane gases 9—76471
Ladanyi, B.M. *see* Keyes, T. 9—72321, 9—73329, 9—87410, 9—89850
Ladd, M.F.C. *see* Bullock, J.I. 9—99171
Ladeveze, J., Ladeveze, P., Mantion, M., Pecastaings, F., Pelle, J.-P. On the foundations of the linear theory of elastic beams. I. Construction of the optimal admissible extension 9—90131
Ladeveze, P. *see* Ladeveze, J. 9—90131
Ladik, J. *see* Seel, M. 9—59327
Ladik, J.F. *see* Ablowitz, M.J. 9—80761
Ladish, J.S. *see* Alguard, M.J. 9—76242
Ladish, J.S. *see* Cooper, P.S. 9—58540
Ladkany, S.G. Underground rippled dewar system for 10000 MWh superconductive energy storage magnets 9—58705
Ladner, D.R. *see* Tough, J.T. 9—55962
Ladner, K.H. *see* Hinton, J.F. 9—51870
Ladouceur, H.D., Diestler, D.J. Role of pseudomolecules in vibrational relaxation in solids 9—65161
Ladrach, P. *see* Donaldson, T.P. 9—60163
Ladsaongikar, U.V., Parikh, P.O. Design and optimization of a flat plate collector for cooling application 9—62081
Ladurner, G., Zilkha, E., Sager, W.D., Iliff, L.D., Lechner, H., Du Boulay, G.H. Measurement of regional cerebral blood volume using the EMI 1010 scanner 9—53212
Ladvishchenko, Yu.M. *see* Bulanin, M.O. 9—98158
Lad'yanov, V.I. *see* Novokhatskii, I.A. 9—91628
Laedke, E.W., Spatschek, K.H. Exact stability criteria for finite-amplitude solitons 9—64860
Laeger, H., Lebrun, P. Cryogenic equipment and operation procedures for testing superconducting quadrupole magnets for the CERN intersecting storage rings 9—58706
Laeger, H., Lebrun, P., Rohner, P. Long flexible transfer lines for gaseous and liquid helium 9—58758
Laeger, H., Lebrun, P., Rohner, P. Long flexible transfer lines for gaseous and liquid helium 9—63234
Laeger, H. *see* Billan, J. 9—72049
Laegsgaard, E. Position-sensitive semiconductor detectors 9—68155
Laegsgaard, E. *see* Andersen, J.U. 9—85568
Laeng, P. *see* Bonnard, P. 9—56384
Laeri, F., Schneeberger, B., Tschudi, T. Shortening the length of an optical correlator by the use of a lens array 9—59646
Laesen, M.L. *see* Nguyen, H. 9—86497
Laface, P. *see* De Mori, R. 9—59877
Lafait, J. *see* Behaghel, J.M. 9—74545
Lafaurcade, L. *see* Alcouffe, G. 9—66120
Lafferty, J.F., Lantz, S.A., Bowman, D.A., Smith, S.D. Response of the intervertebral disc to shear stress 9—92261
Lafferty, W.J. *see* Wells, J.S. 9—98095
Laffitte, J. *see* Astre, P. 9—72862
Laffitte, M. *see* Zahra, A. 9—74165
Laflen, J.H., Stouffer, D.C. An analysis of high temperature metal creep. I. Experimental definition of an alloy 9—61684
Laflen, J.H., Stouffer, D.C. An analysis of high temperature metal creep. II. A constitutive formulation and verification 9—61685
Lafleur, H.T. *see* Van Rooijen, J.J. 9—58252
Lafontaine, A. *see* Badier, J. 9—93460
Laforest, J. *see* Givord, D. 9—78329
Laforie, P., Moulinet, M. The file on digital transmission by fibre optics 9—90007
Lafortune, M. *see* de Guise, J. 9—79677
Lafourcade, L. *see* Berty, J. 9—90921
Lafuma, J. *see* Metivier, H. 9—92302
Lagally, M.G., Wang, G.-C. LEED measurement of substrate perfection in W(110) 9—82421
Lagally, M.G. *see* Davis, G.D. 9—78145
Lagally, M.G. *see* Ramaker, D.E. 9—83067
Lagally, M.G. *see* Welkie, D.G. 9—83082, 9—90500
Lagaly, G. *see* Frey, E. 9—74426
Lagana, A. *see* Aquilanti, V. 9—58560
Lagana, A. *see* Connor, J.N.L. 9—57207, 9—61852, 9—91942
Lagarde, J.J. *see* Vullierme, J.J. 9—94469
Lagarde, P. *see* Fontaine, A. 9—99981
Lagare, M.T. *see* Chikkur, G.C. 9—97143
Lage, E.J.S. Effective medium approach to real space renormalization 9—80539
Lage, E.J.S., Stinchcombe, R.B. The bond-diluted problem in the transverse Ising model 9—56551
Lagendijk, A. Diffusion-controlled mode coupling in two-dimensional antiferromagnets: EPR linewidth 9—51844
Lager, G.A. A novel technique for characterizing thermal expansion in minerals 9—70795
Lagerkvist, C.-I. A lightcurve survey of asteroids with Schmidt telescopes: observations of nine asteroids during oppositions in 1977 9—53753
Lagerlund, T. *see* Becker, U. 9—59059
Lagerlund, T.D. *see* Bartlett, J.F. 9—89535
Lagerqvist, A., Renhorn, I. The interaction between the electronic states G $^1\Pi$ and I $^1\Pi$ in the SiO molecule 9—50040
Lagerqvist, A. *see* Appelblad, O. 9—89685
Lagerstedt, O., Monemar, B. Variation of lattice parameters in GaN with stoichiometry and doping 9—73153
Lagerwall, S.T., Stebler, B. Studies of domains, walls and disclinations in the smectic C phase 9—86687
Lagerwall, S.T. *see* Skarp, K. 9—50988

Laget, J.M. Pion photoproduction reactions on few body systems and the Δ-N interaction 9—71842
Lagger, H. *see* Schuocker, D. 9—55110
Lagiewka, E. *see* Bojarski, Z. 9—51437
Lagios, E., Hipkin, R.G. The Tweeddale Granite—a newly discovered batholith in the Southern Uplands 9—92541
Lagnier, R. *see* Auffredic, J.P. 9—55900
Lagnier, R. *see* Babot, D. 9—56507
Lagnier, R. *see* Pierre, J. 9—78412
Lagos, R.E., Sales, B.C., Suhl, H. Theory of oscillatory oxidation of carbon monoxide over platinum 9—61905
Lagourette, B., Peyrelasse, J., Boned, C., Clausse, M. Percolative conduction in microemulsion type systems 9—100452
Lagowski, J., Lichtensteiger, M., Williams, P.M. Electron beam induced desorption of oxygen:CdS 9—77921
Lagowski, J., Slusarczuk, M.M.G., Walukiewicz, W., Gatos, H.C. Surface and interface study by derivative surface photovoltage spectroscopy: GaAs 9—82674
Lagowski, J., Walukiewicz, W., Slusarczuk, M.M., Gatos, H.C. Derivative surface photovoltage spectroscopy; a new approach to the study of absorption in semiconductors: GaAs 9—99575
Lagowski, J. *see* Jastrzebski, L. 9—61356
Lagowski, J. *see* Walukiewicz, W. 9—99545
Lagowski, J.J. Non-aqueous ionizing liquids 9—69255
Lagowski, J.J. *see* Teherani, T.H. 9—100386
Lagowski, L. *see* Walukiewicz, W. 9—56218
Lagrange, C. *see* Haouat, G. 9—89230
Lagrange, J.M. *see* Hubert, P. 9—63577
Lagrange, J.M. *see* Roulet, C. 9—75854
Lagrange, P. *see* Christiany, L. 9—65305
Lagu, A.V., Zohni, O. Off-energy-shell continuation of the two-body T-matrix in the presence of resonances 9—67604
Lagues, M. Electrical conductivity of microemulsions. A case of stirred percolation 9—79314
Lagues, M. Electric conductivity of microemulsions: the stirred percolation situation 9—83512
Lagunas-Solar, M.C., Jungerman, J.A. Cyclotron production of carrier-free cobalt-55, a new positron-emitting label for bleomycin 9—79648
Lagunov, A.S., Balandin, V.A. Acoustic properties of smectic liquid crystals (B modification) in static magnetic fields 9—90547
Lagunov, Yu.V. *see* Petrunov, V.S. 9—78999
Lagunova, T.S. *see* Vitovskii, N.A. 9—69158
Lagutin, A.A. *see* Uchaikin, V.V. 9—80152, 9—96871
Lagutin, A.E. *see* Kandaurova, G.S. 9—91247
Lagutin, V.I. *see* Baranova, I.D. 9—49301
Lagutkin, M.I. *see* Babad-Zakhryapin, A.A. 9—60554, 9—96206
Lagveshkin, V.Ya. *see* Degtyarev, V.I. 9—83418
Lagzdin', A.Zh. Construction of the local deformation function for an anisotropic medium 9—98633
Lahajnar, G. *see* Kind, R. 9—99313
Lahanas, A.B., Vayonakis, C.E. Higgs-boson mass and the strength of CP violation 9—63384
Lahanas, A.B. *see* Hadjioannou, F.T. 9—75711
Lahann, H.J. *see* Wille, P. 9—60556
Lahart, M.J. Local segmentation of noisy images 9—55074
Lahaye, J. *see* Kappler, P. 9—52781
Lahet, C., Bardet, L., Cassanas, G. Normal coordinate calculations of rotational isomers of furoyl chloride 9—68218
Laheurte, J.P., Romagnan, J.P., Gilabert, A., Noiray, J.C. Local tricritical behaviour in ^{3}He-^{4}He mixtures films 9—51387
Laheurte, J.P., Romagnan, J.P., Saam, W.F. Nucleation of superfluid phase transitions at container walls in liquid helium mixtures 9—56014
Laheurte, J.P. *see* Eldin, G. 9—59858
Lahey, R.T., Jr. Opportunities for university contributions to BWR thermal-hydraulic technology 9—49652
Lahey, R.T., Jr., Krycuk, G., Malaviya, B.K. A high-intensity X-ray system for stochastic measurements of two-phase flows 9—93791
Lahey, R.T., Jr. *see* Perez-Griffo, M.L. 9—93793
Lahey, R.T., Jr. *see* Vince, M. 9—93705
Lahiri, A.K. Multicomponent multiphase equilibria 9—90750
Lahiri, B.K. *see* Kundu, S.K. 9—63157
Lahoda, F. Neurological intensive care 9—92420
Lahoz, D.G., Graham, G.M. Observation of electromagnetic angular momentum within magnetite 9—55027
Lahoz, D.G., Graham, G.M. Measurement of forces related to electromagnetic momentum in material media at low frequencies 9—64141
Lahser, G. Production of fluctuations in the early Universe by the quark-nucleon phase transition 9—75301
Lahser, S. *see* Brauer, R.W. 9—88070
Lai, C.-H. *see* Hoyer, P. 9—54317
Lai, G.Y. *see* Mazandarany, F.N. 9—54495
Lai, J. *see* Neilson, R.M., Jr. 9—85631
Lai, J.K. A set of master curves for the creep ductility of type 316 stainless steel 9—66112
Lai, K.-L. *see* Callear, A.B. 9—76438
Lai, K.W. *see* Goddard, M.C. 9—49544
Lai, W.M., Kuei, S.C., Mow, V.C. Rheological equations for synovial fluids 9—62285
Lai, W.M. *see* Kuei, S.C. 9—92264
Lai Shui *see* Shui Lai
Lai Ting-ing *see* Ting-ing Lai
Lai Wan *see* Wan Lai
Lai Wu-yan *see* Wu-yan Lai
Lai Yih-Loong *see* Yih-Loong Lai
Lai Zeng-mei, Sun Ping Photoelastic determination of stress intensity factor K_{III} 9—64602
Laibowitz, R.B., Tsuei, C.C., Chaudhari, P., Raider, S.I., Drake, R., Voggiano, J.M. Proximity effect tunnel junctions with barriers formed from amorphous alloys 9—65614
Laibowitz, R.B. *see* Johnson, W.L. 9—91179
Laibowitz, R.B. *see* Molzen, W.W. 9—75657
Laichter, V. *see* Pokorny, J. 9—60848
Laidig, W.D. *see* Holonyak, N., Jr. 9—64244
Laidlaw, W.G. *see* Sanhueza, J.E. 9—63065
Laidoudi, A., Ouahes, R., Brianso, M.-C. Crystal structure of the rubidium salt copper (II) carbonato complex 9—99164
Laiho, R. *see* Kukkonen, A. 9—87454
Laikhtman, B.D., Petrov, V.Yu. Diffraction of electromagnetic waves by domain walls in improper ferroelectrics 9—69799
Laikhtman, B.D., Petrov, V.Yu. Diffraction of electromagnetic waves by domain walls in ferromagnets 9—99724
Laikhtman, B.D. *see* Agishev, B.A. 9—95710
Laikhtman, B.D. *see* Esayan, S.Kh. 9—73244
Laikhtman, D.L., Iordanov, D.L. On the vertical velocity at the upper boundary of an unsteady planetary boundary layer 9—100900
Laikin, M., Cox, A., Oharek, F. The reflection conic: a means of obtaining a 360 degree panorama 9—86246
Lailly, P. *see* Bamberger, A. 9—84490
Laiman, E. *see* Chen, M.H. 9—81180
Laing, E.W. *see* Johnston, J.W. 9—60104
Laing, E.W. *see* Reid, J. 9—68910, 9—90382
Laing, L.R. *see* Sparrow, E.M. 9—68700
Lainhart, S.P. *see* Townsend, M.A. 9—53175
Laird, A.D.K. *see* Saxena, U.C. 9—55386
Laird, C. *see* Bhat, S.P. 9—91746
Laird, C. *see* Ritter, A. 9—82223
Laird, C.E. *see* Foster, M.R. 9—84135
Laird, F.N. *see* Markert, T.H. 9—80243
Laird, J.C., Patton, J.C., Zolner, W.J., Tomlin, R.L. Unique extractive stack sampling system for continuous emission monitoring [of flue gases] 9—96494
Laisne, A., Debray, P. The Orsay 200 MeV synchrocyclotron 9—54635
Laithwaite, J.M. *see* Broadley, D. 9—97870
Lajos, R.E. *see* Nusta, H.H. 9—57127
Lajos, T., Preszler, L., Blaho, M. The estimation of the error at the flow rate measurement by pitot-static tube 9—68886
Lajzerowicz, J., Niez, J.J. Phase transition in a domain wall 9—51805
Lajzerowicz, J., Niez, J.J. Structure and stability of domain walls—phase transition 9—78639
Lajzerowicz, J. *see* Chion, B. 9—86778
Lajzerowicz, J. *see* Vallade, M. 9—69677
Lakatos, T. *see* Berecz, I. 9—62382
Lake, A. *see* Reimers, R. 9—68103
Lake, B.M. *see* Yuen, H.C. 9—77154
Lake, K. Thin spherical shells 9—67199
Lake, K. Note on degenerate Killing horizons 9—97268
Lake, S.M. *see* Rowe, M.W. 9—52764
Lakeenkov, V.M. *see* Andrianov, D.G. 9—73672
Lakeman, J.B. *see* Hampson, N.A. 9—96438, 9—100514
Laker, K.R. *see* Slobodnik, A.J., Jr. 9—55282
Lakes, R.S. Prediction of anelastic loss in piezoelectric solids: Effect of geometry 9—78624
Lakh, V.I. *see* Anatychuk, L.I. 9—63211
Lakhani, A.A., Jay-Gerin, J.-P. The g-factor of conduction electrons in Cd_3P_2 at low temperatures 9—56118
Lakhina, G.S. Electromagnetic lower hybrid instability driven by solar wind heat flux 9—88559
Lakhtin, Yu.M., Kogan, Ya.D. Controlled nitriding processes 9—100294
Lakhtin, Yu.M., Kogan, Ya.D., Aleksandrov, V.A. New systems of monitoring the nitriding process 9—52556
Lakhtin, Yu.M., Kogan, Ya.D., Frolova, L.P. Calculation of hardening of the diffusion layer during nitriding of steel 9—52456
Lakin, W. Analysis of the lattice energy of ice 9—73125
Lakin, Yu.G. *see* Daichik, M.L. 9—49648
Lakin, Yu.G. *see* Zelenchuk, A.V. 9—63747
Lakiza, V.D. *see* Ganiev, R.F. 9—77226
Lakkaraju, H.S. *see* Brink, G.O. 9—55159
Lakoba, I.S., Lozovskii, P.M., Chernov, S.P., Essel'bakh, P.B. Emission spectra of a laser spark in a mixture of hydrogen and inert gases 9—82119
Lakomkin, Yu.A. *see* Krasnov, L.V. 9—93627
Lakovichev, E.F. *see* Volkov, Yu.M. 9—85434
Lakshman, S.V.J., Lakshmana Rao, J. Optical absorption spectrum of nickel fluosilicate hexadeuterate 9—73966
Lakshmana Rao, J. *see* Lakshman, S.V.J. 9—73966
Lakshmana Rao, N.S. *see* Alvi, S.H. 9—68869
Lakshmana Rao, N.S. *see* Syamala Rao, B.C. 9—83328
Lakshmana Rao, S.K., Venkatapathi Raju, K. Existence of periodic solutions of the equations of incompressible microstretch fluid flow 9—77069
Lakshmana Rao, T.V. Optimising the pitching of tubes in a flat solar collector for increasing the efficiency for use in vapour absorption refrigeration 9—62084
Lakshmanan, A.R., Bhatt, R.C. Further consideration of the competing deep trap model for thermoluminescence in $CaSO_4$:Dy 9—83039
Lakshmanan, A.R., Bhatt, R.C., Vohra, K.G. γ-radiation-induced sensitization, supralinearity, and photostimulated thermoluminescence in LiF TLD-100. Correlation studies 9—91507
Lakshmanan, A.R., Chandra, B., Pradhan, A.S., Bhatt, R.C. Development of MgB_4O_7:Dy TLD phosphor 9—79661
Lakshmanan, A.R., Popli, K.L., Bhatt, R.C. Thermal history and reusability of $CaSO_4$:Dy Teflon TLD discs 9—89507
Lakshmanan, A.S. *see* Kuppusami, J. 9—67404
Lakshmanan, M. Rigid body motions, space curves, prolongation structures, fiber bundles, and solitons 9—97213
Lakshmanan, M., Kaliappan, P. On the invariant solutions of the Korteweg-de Vries-Burgers equation 9—63052
Lakshmanan, M. *see* Kaliappan, P. 9—92954
Lakshmi *see* Dubley, B.L. 9—56511
Lakshmi, A. *see* Pritchard, H.O. 9—84668
Lakshmi, M.Raj *see* Raj Lakshmi, M.
Lakshminarayan, K.N. Vacuum gauges 9—71477
Lakshminarayan, K.N. *see* Panwar, O.S. 9—91045
Lakshminarayan, K.N. *see* Srivastava, K.K. 9—87382
Lakshminarayana, H.V., Viswanath, S. A correlation study of finite-element modelling for the stress analysis of composite-material laminates 9—59924
Lakshminarayana, S., Srinivasa Rao, M., Seshagiri Rao, V., Sastry, D.L. 852 keV first-forbidden beta transition in $^{115}Cd^g$ 9—80900
Lakshminarayana, S. *see* Srinivasa Rao, M. 9—49609
Lakshminarayanan, R. *see* Gopinathan, K.K. 9—83005
Lakutin, V.A., Demidov, V.I., Podmoshenskii, I.V., Sobolev, V.F. Structure and emission of a stratified pulsed discharge 9—64946
Lakutin, V.A., Lavrentyuk, V.E., Podmoshenskii, I.V., Sobolev, V.F. Multichannel apparatus for optical diagnostics and pulsed plasma sources 9—50896
Lakutin, V.A. *see* Bayunov, V.I. 9—77425
Lal, B. An electrostatic problem of a semi-circular strip 9—86104
Lal, B., Jain, D.L. Some electrostatic problems of two strips lying outside a grounded elliptic cylinder 9—72452
Lal, D. *see* Goswami, J.N. 9—88608
Lal, D. *see* Slinn, W.G.N. 9—62544
Lal, H.B. Electrical conductivity and dielectric constant of HBT, OBT, and NPOB in solid phase 9—61293
Lal, H.B., Verma, B.K., Sanyal, N.K. Electrical conductivity and dielectric constant of lanthanum and lutetium sesquioxides 9—56224
Lal, H.B. *see* Dar, N. 9—82753
Lal, H.B. *see* Pandey, R.N. 9—69650
Lal, H.B. *see* Pratap, V. 9—60831, 9—69763
Lal, H.B. *see* Ram Yadav, V. 9—78347
Lal, H.B. *see* Yadav, V.R. 9—99543
Lal, J.B. *see* Dutta, H.N. 9—88527
Lal, K. Fluid flow through a tube whose cross-section is bounded by two hyperbolas 9—94723
Lal, K., Kumar, V. Study of crystal perfection of CVD-grown α-Al_2O_3 single crystals by transmission X-ray diffraction topography 9—65337
Lal, K., Kumar, V., Verma, A.R. A comparative study of perfection of CVD grown and Czochralski grown α-Al_2O_3 single crystals by X-ray diffraction topography 9—78868
Lal, K., Singh, B.P. An instrument for study of diffuse X-ray scattering very close to reciprocal lattice points and some illustrative results 9—77455
Lal, K.B. *see* Gupta, D.K. 9—99801
Lal, K.C. *see* Kishore, D. 9—91317
Lal, P. *see* Mehta, P.C. 9—81387
Lal, R. *see* Gupta, U.S. 9—64540, 9—94537
Lal, R. *see* Laura, P.A.A. 9—81774
Lal, S.N. *see* Srivastava, M.L. 9—74416
Lal Malhotra Shadi *see* Shadi Lal Malhotra
Lalande, R. *see* Delisle, J.P. 9—97871
Lalanne, D. *see* Cosme, G. 9—58968
Lalanne, J.R. *see* Gasparoux, H. 9—82149
Lalanne, P. *see* Bellocq, A.M. 9—79308
Lalanne, P. *see* Bellocq, A.-M. 9—82339
Lalanne, P. *see* Besnard, M.E. 9—50978
Lalanne, P. *see* Clin, B. 9—93195
Lalas, D.P. *see* Einaudi, F. 9—92575

Lalauze, R.L., Meunier, J.H. Study of the equilibrium between nickel oxide and oxygen. Interpretation of the laws of electrical conductivity variation as a function of temperature 9—60829

Lalauze, R.L., Meunier, J.H. Kinetics interpretation of NiO electrical conductivity under low oxygen pressures 9—82587

Lalit, B.Y. *see* Mishra, U.C. 9—92106

Lall, V.K. *see* Bahadur, H. 9—56733

Lallemand, M. *see* Vidal, D. 9—82027

Lallemand, P. *see* Allain, C. 9—82393, 9—82394

Lallemand, P. *see* Berard, M. 9—94003

Lallemand, P. *see* Boon, J.P. 9—76943

Lallemant, M. *see* Bertrand, G. 9—79285

Lallement, D. *see* Darier, P. 9—76103

Lally, R.W. Gravimetric calibration of accelerometers 9—71444

Lally, S. *see* Allen, P.D. 9—83384

Laloe, F. *see* Pinard, M. 9—81304, 9—89918

Lalowicz, Z.T. Proton NMR lineshapes of ammonium ions undergoing slow tunneling rotations 9—90576

Lalowicz, Z.T., McDowell, C.A., Raghunathan, P. PMR spectroscopy of the tunneling ammonium ion: generalized line shape theory and some experimental examples 9—73827

Laloy, M. On the inversion of the Lagrange-Dirichlet theorem in the case of an analytic potential 9—71239

Lalykin, S.P. *see* Gogichaishvili, Sh.M. 9—69975

Lalykin, S.P. *see* Voskanyan, A.A. 9—73513

Lam, C.F., Cross, A.P. Comparative study of parameter estimation procedures in enzymic kinetics 9—70505

Lam, C.F., Forst, A., Bank, H. Simplex: a method for spectral deconvolution applicable to energy dispersion analysis 9—80722

Lam, C.S. *see* Argyres, E.N. 9—49463

Lam, D.J. *see* Aldred, A.T. 9—61075

Lam, D.J. *see* Veal, B.W. 9—69958

Lam, D.M.K. *see* Basinger, S.F. 9—92447

Lam, H.S., Morgan, D.L., Lampard, D.G. Derivation of reliable electromyograms and their relation to tension in mammalian skeletal muscles during synchronous stimulation 9—79499

Lam, J.F. *see* Marburger, J.H. 9—59751

Lam, J.W. *see* Mu-Ming Poo 9—57599

Lam, K.P. *see* Tsui, H.T. 9—79999

Lam, L.F.-H. *see* Sweney, L.R. 9—84034

Lam, N.Q., Hoff, H.A., Okamoto, P.R., Siegel, R.W. Efficiency of vacancy annihilation at a surface and at dislocation loops in quenched aluminum 9—60351

Lam, N.Q. *see* Okamoto, P.R. 9—55791

Lam, N.Q. *see* Wiedersich, H. 9—77633

Lam, N.T., Forstat, H. Antiferromagnetism in $Mn_xNi_{1-x}Cl_2.nH_2O$ 9—91226

Lam, N.T. *see* Forstat, H. 9—78415

Lam, P.S. *see* Lewis, R.A. 9—81059

Lam, P.S.K. A preconceptual accelerator-breeder design for fissile material and energy production 9—71933

Lam, P.S.K. *see* Turski, R.B. 9—59175

Lam, R., Geil, P.H. The Tg of amorphous linear polyethylene: a torsion braid analysis 9—73296

Lam, S.K. *see* Debarvat, S. 9—70982

Lam, S.T., Munir, Z.A. Surface charge and ledge dynamics in cadmium sulfide 9—90642

Lam, S.T. *see* Cameron, J.M. 9—75993

Lam, S.T. *see* Soukup, J. 9—67669

Lam, Y.D. *see* Hall, E.J. 9—62306

Lam, Y.P. *see* Kliauga, P.J. 9—62305

Lam Thanh My *see* Larzilliere, M. 9—54831

Lam Yip, G. *see* Miyagi, M. 9—98477

Lamache, M. Carbon paste electrode containing electrolytic pasting liquid and insoluble electroactive compounds: quantitative aspects 9—79260

Lamanna, E. *see* Angelini, C. 9—67548

Lamanna, U.T. *see* Gianturco, F.A. 9—50116, 9—89600

Lamar, J.E., Luckring, J.M. Recent theoretical developments and experimental studies pertinent to vortex flow aerodynamics with a view towards design 9—77140

Lamarche, P. *see* Lanford, W.A. 9—87877

Lamartine, R. *see* Bertholon, G. 9—73474

Lamauve, M. *see* Guichard, J.C. 9—88036

Lamb, B.K., Lorenzen, A., Shair, F.H. Atmospheric dispersion and transport within coast regions. I. Tracer study of power plant emissions from the Oxnard Plain 9—62545

Lamb, B.K., Shair, F.H., Smith, T.B. Atmospheric dispersion and transport within coastal regions. II. Tracer study of industrial emissions in the California Delta Region 9—62546

Lamb, H.J. The use of the electron probe microanalyser and the scanning electron microscope in the examination of anodic finishes on aluminium alloys 9—96278

Lamb, M.J. *see* Key, M.H. 9—68937

Lamb, P. An equation of state for warm neutron degenerate matter 9—84810

Lamb, P., Sanford, P.W. Compton scattering effects observed in Sco X-1 and similar sources 9—84869

Lamb, P. *see* Hastenrath, S. 9—58061

Lamb, R.C., Worrall, D.M. X-ray emission from the region of γ195+5 9—97101

Lamb, R.C. *see* Fickle, R.K. 9—75064

Lamb, T.D., Baylor, D.A., Yau, K.W. The membrane current of single rod outer segments 9—79529

Lamb, T.D. *see* Yau, K.-W. 9—79530

Lamb, W.E., Jr. *see* Ryan, S.R. 9—86079

Lambacher, H.D. *see* Evangelista, C. 9—75788, 9—80843

Lambard, J. *see* Vinit, A. 9—69823

Lambe, R.L. *see* Schroeer, D. 9—56649

Lambeau, C. *see* Herlemont, F. 9—59455

Lambeck, K. Methods and geophysical applications of satellite geodesy 9—66835

Lambeck, M. Materials testing by self-excited electromagnetic oscillations 9—83417

Lambert, A., Liard, J., Dragert, H. Canadian precise gravity networks for crustal movement studies: an instrument evaluation 9—79724

Lambert, A.M. *see* Gagnaire, H. 9—89991

Lambert, B., Perzynski, R., Salin, D. High frequencies critical attenuation in liquid helium-4 9—55958

Lambert, B., Perzynski, R., Salin, D. High frequency critical attenuation of sound in He^3-He^4 mixtures near T_λ 9—95241

Lambert, F. Explicit solutions of the Korteweg-de Vries equation without scattering data 9—67167

Lambert, G. *see* Blanchard, P. 9—97816

Lambert, G.A. *see* Swedish, M.J. 9—54549

Lambert, H.E. *see* Gilman, F.M. 9—85673

Lambert, H.E. *see* Grosch, E. 9—62335

Lambert, J.E. *see* Agnew, L. 9—68107

Lambert, J.E. *see* Grisham, D.L. 9—71997

Lambert, J.M., Treado, P.A., Moyle, R.A., Myers, L.T. Interaction-time effects of quasifree processes 9—75863

Lambert, J.M. *see* Karaoglan, E. 9—76011

Lambert, J.M. *see* Myers, L.T. 9—75999

Lambert, J.M. *see* Rivenburg, H.C. 9—76004

Lambert, M. *see* Decker, D.L. 9—73308

Lambert, M. *see* Dorner, B. 9—51216

Lambert, M.C., Goheen, M.W., Urie, M.W., Wynhoff, N. An automated X-ray spectrometer for mixed oxide pellets 9—81066

Lambert, R.B. *see* Schmitt, R.W. 9—50767

Lambert, R.M. *see* Bridge, M.E. 9—60631

Lambert, R.M. *see* Prior, K.A. 9—99402

Lambert-Andron, B. *see* Babot, D. 9—56507

Lambertin, M. *see* Nowak, J.-F. 9—52424

Lamberts, C.W. Lidar investigation of the atmosphere 9—80026

Lamberts, L. *see* Demortier, G. 9—90480

Lamberts, L. *see* Mathieu, G. 9—92031

Lambertson, G.R. *see* Gilbert, W.S. 9—76201, 9—76202

Lambie, A.K. *see* Brydon, J.W.E. 9—53265

Lambourne, R.J.A. *see* Davis, A.C. 9—67507

Lamboy, M., Lucas, J. Phosphorites from the continental margin off northern Spain. Geological and petrological study 9—79837

Lambret, B. *see* Hamelin, B. 9—53329

Lambrich, R. *see* von der Linde, D. 9—51979

Lambropoulos, P. *see* Dixit, S.N. 9—72290

Lambropoulos, P. *see* Georges, A.T. 9—72542

Lambson, E.F. *see* Mohamad, I.J. 9—60874

Lameiro, G.F., Duff, W.S. A Markov model of solar energy systems 9—61950

Lameiro, G.F., Duff, W.S. A Markov model of solar energy space and hot water heating systems 9—74501

Lamers, H.J.G.L.M. *see* Castor, J.I. 9—80297

Lamers, H.J.G.L.M. *see* De Jager, C. 9—70955

Lamers, H.J.G.L.M. *see* Kondo, Y. 9—70954

Lameyre, J. *see* Dosso, L. 9—57924

Lamfried, W.H. Temperature-dependent density of states of n-GaAs 9—56109

Lamkin, D.E., Gido, R.G. A new condensation mass removal model for containment analysis 9—89423

Lamkov, K.K. *see* Dorofeev, Yu.G. 9—77827

Lammers, W., Kuhn, H. Improved image quality in mammography by means of scattered radiation grids 9—92332

Lammerzahl, P. *see* Chandra, S. 9—74998

Lamneck, J.H. *see* Weizer, V.G. 9—92078

Lamonov, N.I. *see* Gel'man, B.G. 9—66948

Lamonov, V.M. *see* Grigo'yan, G.M. 9—64216

Lamore, P.J.J. Phase relations in an internal representation of two-tone octave complexes 9—83790

Lamorte, M.F., Abbott, D. Analysis of AlGaAs-GaInAs cascade solar cell under AM 0-AM 5 spectra 9—79396

Lamot, G.H. *see* Avishai, Y. 9—75792

Lamot, G.H. *see* Giraud, N. 9—75791, 9—85548

Lamoureux, M., Farnoux, F.C. Photoionization cross section of the open 3p subshell in atomic chlorine 9—68213

Lamouroux, B.F. *see* Boyer, G.R. 9—63292

Lampard, D.G. *see* Lam, H.S. 9—79499

Lampariello, P. *see* Bardati, F. 9—86111

Lampe, I.V. *see* Lorkowski, H.-J. 9—55677

Lampel, G. *see* Nakamura, A. 9—65770

Lampert, B., Reichelt, K. Anisotropy of round evaporation spirals on rocksalt surfaces 9—73300

Lampert, C.M., Washburn, J. Microstructure of a black chrome solar selective absorber 9—56875

Lampis, G., Lazzaro, E. Prevision of the plasma parameters and regimes in the THOR Tokamak 9—98993

Lampis, M. New approach to the Mott-Smith method for shock waves 9—50754

Lampkin, C.M. Aerodynamics of nozzles used in spray pyrolysis 9—68782

Lampton, M. *see* Crawford, R. 9—71027

Lampton, M. *see* Paresce, F. 9—71159

Lampton, M. *see* Rothschild, R. 9—58248

Lampton, M.L. *see* Mason, K.O. 9—71093

Lamson, S.H. *see* Messmer, R.P. 9—95899

Lamy, C. *see* Gracovetsky, S. 9—83840

Lamy, P.L., Nguyen-Trong, T., Adjabschirzadeh, A., Koutchmy, S. Astronomical application of infra-red television imaging 9—92678

Lamzyuk, V.D. *see* Vigderovich, I.E. 9—76969

Lan Vo Ky *see* Vo Ky Lan

Lan Wu Sau *see* Sau Lan Wu

Lana, I.G.Dalla *see* Dalla Lana, I.G.

Lancaster, G. *see* Vines, M.J. 9—91715

Lancaster, G.M., Rabalais, J.W. Chemical reactions of N_2^+ ion beams with first-row transition metals 9—96363

Lancaster, H.D. *see* Staples, J.W. 9—71987

Lancaster, I.N. Evidence for a widespread late Pleistocene humid period in the Kalahari 9—58083

Lancaster, J.K. Wear mechanisms of metals and polymers 9—70174

Lance, M., Marie, J.-L., Charnay, G., Bataille, J. The equation of turbulence in an incompressible two phase flow without mass transfer 9—72925

Lancelot, J.R. *see* Briqueu, L. 9—79762

Lanceri, L. *see* Fidecaro, G. 9—85343

Lanciotti, A. *see* Buresti, G. 9—81911

Land, C.E. *see* Beebe, G.W. 9—70589, 9—88136

Land, D.J. Effects of atmospheric turbulence on imaging—theory and experiment 9—66799

Land, D.J. *see* McGuire, J.H. 9—86058

Land, J.F. *see* Smith, F.J. 9—49845

Land, M.F. Animal eyes with mirror optics 9—57643

Land, M.F. The optical mechanism of the eye of Limulus 9—83767

Land, P.L., Loehman, R.E. Comment on 'Electrical and thermal conductivity of sialon ceramics' [and reply] 9—86934

Land, R.H. *see* Clemmer, R.G. 9—85784

Landa, I., Norris, K.H. Rapid method for the measurement of monochromator parameters in the near infrared 9—75625

Landa, M.I. *see* Kopytov, N.N. 9—57177

Landa, P.S., Ponomarev, Yu.V., Sadovskii, V.N. Ionization waves (strata) in a bounded low-temperature plasma 9—94794

Landa, Ya.A. *see* Marants, A.G. 9—82397

Landat, D. *see* Cecille, L. 9—85812

Landau, A.I. *see* Vydashenko, V.N. 9—86792, 9—90654

Landau, D.P. Phase diagrams of mixtures and magnetic systems [Monte Carlo studies] 9—82313

Landau, D.P. Applications in surface physics [Monte Carlo studies] 9—82426

Landau, D.P., Keen, B.E. Magnetic and thermal properties of dysprosium aluminium garnet. III. Multiaxis phase transitions 9—78377

Landau, D.P., Thomchick, J. Computer simulations of the classical one-dimensional XY-model 9—78396

Landau, I.L. Destruction of superconductivity by a current in hollow cylindrical tin samples 9—78278

Landau, J. *see* Al-Taweel, A.M. 9—72928

Landau, J. *see* Balfour, L.S. 9—51367

Landau, J. *see* Edwards, D.O. 9—69312

Landau, J. *see* Lipson, S.G. 9—60595

Landau, L. *see* Driessler, W. 9—56556

Landau, M. *see* Tabary, F. 9—53184

Landau, R. A system for 3D photography 9—80706

Landau, R.H. Inclusive pion production in proton and ion collisions with nuclei 9—85484

Landau, R.H., Rasmussen, J.O. Pion production with heavy ions 9—85487

Landau, R.H. *see* Alexander, Y. 9—71853, 9—85423

Landauer, O., Mateescu, C., Geana, D., Iulian, O. The resistance to corrosion of copper in sea water 9—74284

Lande, K. *see* Deakyne, M. 9—66903, 9—80107

Landeck, H., Wolff, H. The significance of the Wilson constants in the theoretical description of vapor pressures over binary mixtures 9—82351

Landee, C.P., Westrum, E.F., Jr. Heat capacities of bis-tetraethylammonium tetrachloronickelate and tetrachlorozincate I. Structural transitions and thermophysical results 9—65209

Landee, C.P., Willett, R.D. Low temperature magnetic susceptibility of $[(CH_3)_3NH]_3Cu_2Cl_7$ a one-dimensional S=1/2 ferromagnet 9—61077

Landee, C.P., Willett, R.D. Tetramethylammonium copper chloride and tris (trimethylammonium) copper chloride: S=1/2 Heisenberg one-dimensional ferromagnets 9—82766

Lander, G.H., Sinha, S.K., Fradin, F.Y. Neutron diffraction study of $HoRh_4B_4$ 9—78323
Lander, G.H. *see* Busch, G. 9—56515
Lander, G.H. *see* Buyers, W.J.L. 9—61112
Lander, G.H. *see* Rossat-Mignod, J. 9—51750
Lander, G.H. *see* Smith, H.G. 9—95116
Lander, R.L. *see* Kass, R.D. 9—93472
Landers, J.S. *see* DaGue, M.G. 9—100340
Landers, M.B., III *see* Wolbarsht, M.L. 9—79622
Landes, J.D. *see* Clarke, G.A. 9—52542
Landes, K. Interaction of a current-carrying supersonic plasma jet with a dipole coaxial magnetic field 9—77356
Landesman, A. Review of some magnetic properties of BCC solid ^{3}He in the neighbourhood of the phase transition 9—65291
Landge, P.R. *see* Shrivastava, B.D. 9—52045
Landi, A. *see* Bocciolini, M. 9—63871
Landin, A.R. *see* Talbert, W.L., Jr. 9—67956
Landman, D.A., Brown, T. Proton collisional excitation in the lowest-lying ^{3}P terms of ions in the Be and Mg isoelectronic sequences 9—94069
Landman, D.A., Mongillo, M. Hα and Hβ emission in quiescent prominences 9—71011
Landman, U., Shlesinger, M.F. Stochastic theory of multistate diffusion in perfect and defective systems. I. Mathematical formalism 9—93066
Landman, U., Shlesinger, M.F. Stochastic theory of multistate diffusion in perfect and defective systems. II. Case studies 9—93067
Landmann, M. *see* Herrmann, J. 9—59475
Landolt, A.U. Contracting stars in the Pleiades 9—96996
Landolt, A.U. *see* Drilling, J.S. 9—75199
Landolt, R.R. *see* Struckmeyer, R.K. 9—52702
Landon, A.J. *see* Dreyfus, R.W. 9—50772
Landowne, S., Wolter, H.H. A study of two-step α-transfer reactions 9—76018
Landreau, J. *see* Bouley, J.C. 9—98392
Landsberg, H.E. *see* Anderson, D.E. 9—92111
Landsberg, L.G. *see* Dzhelyadin, R.I. 9—67556
Landsberg, L.G. *see* Golovkin, S.V. 9—89212
Landsberg, L.G. *see* Victorov, V.A. 9—67546
Landsberg, P.T. Another look at negative absolute temperature 9—63184
Landsberg, P.T., Johns, K.A. Relativistic statistical mechanics: state indicator or negative probabilities? 9—63128
Landsberg, P.T. *see* Scholl, E. 9—51520
Landsberger, S. *see* Desaulniers, G. 9—100556
Landshoff, P.V. $\gamma\gamma$ collisions: theoretical aspects 9—97626
Landshoff, P.V., Metherell, A.J.F. Simple quantum physics 9—97259
Landsman, H. *see* Chestnut, P. 9—64389, 9—86298
Landspersky, H., Balek, V., Urbanek, V. Application of thermal analysis to the study of the preparation of sintered uranium dioxide. II. Modeling of thermal treatment of hexavalent uranium xerogels during calcination 9—49813
Landspersky, H. *see* Melichar, R. 9—67921
Landstreet, J.D., Borra, E.F., Fontaine, G. The magnetic field of the helium-weak star 3 Scorpii 9—88676
Landstreet, J.D. *see* Bastien, P. 9—53809
Landstreet, J.D. *see* Poeckert, R. 9—75213
Landstreet, J.D. *see* Thompson, I. 9—53906
Landstrom, O. *see* Eriksson, K.G. 9—74488
Landucci, L. *see* Chierchia, S. 9—62394
Landuyt, G.Van *see* Van Landuyt, G.
Landuyt, J.Van *see* Van Landuyt, J.
Landwehr, G. The high magnetic field facility at Wurzburg 9—71492
Landwehr, J.M., Matalas, N.C., Wallis, J.R. Some comparisons of flood statistics in real and log space 9—84319
Lane, A.L. *see* Boggess, A. 9—71149
Lane, A.L. *see* Conway, R.R. 9—101101
Lane, A.L. *see* Feldman, P.D. 9—62782
Lane, A.L. *see* Pang, K. 9—96958
Lane, A.M. *see* Bohigas, O. 9—59002
Lane, A.P. A cautionary note on conversions between galactic and equatorial coordinate systems 9—88569
Lane, A.P. *see* Genzel, R. 9—92836
Lane, A.P. *see* Moran, J.M. 9—92779
Lane, G.E., Anderson, J.C. Features of the initial growth of gold films deposited on rock-salt substrates by ion beam sputtering 9—77962
Lane, J. *see* Mergerian, D. 9—50444
Lane, M.C., Percy, J.R. Studies of beta Cephei stars 9—75214
Lane, N.F. *see* Carlson, L.W. 9—87541
Lane, N.F. *see* Hatton, G.L. 9—98217
Lane, S.O. *see* Marshall, R.E. 9—84343
Lane, W.A. Wavelength dependence of polarization. XXXV. Vertical structure of scattering layers above the visible Venus clouds 9—62775
Lanford, W.A. Characterization of the reaction between water and soda-lime and reactor waste glasses 9—54519
Lanford, W.A., Davis, K., Lamarche, P., Laursen, T., Groleau, R., Doremus, R.H. Hydration of soda-lime glass 9—87877
Lanford, W.A. *see* Chang, R.P.H. 9—77937, 9—91821
Lanford, W.A. *see* Turekian, K.K. 9—74967
Lang, A.R. Techniques and interpretation in X-ray topography 9—67454
Lang, A.R. *see* Mardix, S. 9—58859
Lang, B., Tatarenko, S. Discrete levels in the energy distribution of secondary electron emitted by palladium crystals 9—87535
Lang, D.V., Logan, R.A., Jaros, M. Trapping characteristics and a donor-complex (DX) model for the persistent-photoconductivity trapping center in Te-doped $Al_xGa_{1-x}As$ 9—65517
Lang, D.V., Petroff, P.M., Logan, R.A., Johnston, W.D., Jr. Recombination-enhanced interactions between point defects and dislocation climb in semiconductors 9—60398
Lang, D.V. *see* Casey, H.C., Jr. 9—87157
Lang, D.V. *see* Day, D.S. 9—99501
Lang, E., Heilmann, P., Hanke, G., Heinz, K., Muller, K. Fast LEED intensity measurements with a video camera and a video tape recorder 9—73074
Lang, F. *see* Byrne, P. 9—67118
Lang, F.D. *see* Kettenacker, W.C. 9—67831
Lang, G. *see* Spartalian, K. 9—99802
Lang, H., Groke, U. A method for checking the locations of the fuel zones in pressed block fuel elements for high temperature reactors 9—67847
Lang, H.de *see* de Lang, H.
Lang, H.H. Auditory organs of insects 9—96580
Lang, H.N.De *see* De Lang, H.N.
Lang, I.G. *see* Gol'tsev, A.V. 9—69843, 9—91438
Lang, J., Zana, R., Gairard, B., Dale, G., Gros, C.M. Ultrasonic absorption in the human breast cyst liquids 9—62319
Lang, J. *see* Bodek, K. 9—76015
Lang, J. *see* Guyader, J. 9—69093
Lang, J. *see* Haeberli, W. 9—76251
Lang, J.E. *see* Ohmer, M.C. 9—78033
Lang, K.R. Small dense molecular clouds which envelope groups of T-Tauri stars 9—58400
Lang, L. Design and production principles of stainless Bourdon tubes 9—85134
Lang, M.-C., Laupretre, F., Noel, C., Monnerie, L. Molecular motion of polyethylene oxide in dilute solutions studied by electron spin resonance and nuclear magnetic relaxation 9—94863
Lang, M.T. *see* Brigger, B. 9—59222
Lang, M.T. *see* Marshall, L. 9—66103
Lang, N.C. *see* Esche, B.A. 9—86043
Lang, P.M. Improving LWR fuel utilization 9—59160
Lang, P.M. Future trends in LWR fuel to improve uranium utilization 9—85634
Lang, P.M. *see* Ray, L. 9—63669
Lang, R. Mode deformation effects on modal gain of stripe geometry injection lasers 9—81434
Lang, R. Lateral transverse mode instability and its stabilization in stripe geometry injection lasers 9—98358
Lang, R.E., Colsmann, P. Effect of International Atomic Energy Agency inspections at selected United States facilities 9—85680
Lang, S.B. Static and dynamic pyroelectric coefficients of polyvinylidene fluoride over a 90-370K temperature range 9—99827
Langacker, P. Final state polarizations in neutrino induced reactions 9—63466
Langacker, P., Pagels, H. Light-quark mass spectrum in quantum chromodynamics 9—63427
Langacker, P. *see* Barr, S. 9—75710
Langanke, B., Schmalzried, H. Ionic transport in PbO-SiO_2-melts. I. Tracerdiffusion and chemical interdiffusion 9—77785
Langanke, K., Leutenantsmeyer, J., Stingl, M., Weiguny, A. Antisymmetrization effects in alpha-nucleus scattering 9—71826
Langbein, W. Simultaneous analysis of the four $\pi\pi$ invariant amplitudes of low energies in terms of rational series and evaluation of the σ-commutator 9—67598
Langdon, A.B. Analysis of the time integration in plasma simulation 9—50886
Langdon, A.B., Lasinski, B.F., Kruer, W.L. Nonlinear saturation and recurrence of the two-plasmon decay instability 9—82057
Lange, A.R.De *see* De Lange, A.R.
Lange, C.A.De *see* De Lange, C.A.
Lange, D.E. *see* Taylor, G.J. 9—92730
Lange, F.F. Evidence for cavitation crack growth in Si_3N_4 9—79086
Lange, F.F., Evans, A.G. Erosive damage depth in ceramics: a study on metastable, tetragonal zirconia 9—61738
Lange, G., Witzel, W. The effect of coarse precipitation on the fatigue strength of aluminium alloys 9—91660
Lange, I.Ya. *see* Burejko, S.F. 9—96306
Lange, P.E. *see* Onnasch, D. 9—62360
Lange, S. *see* Underdal, L. 9—86724
Lange, W.J. *see* Yang, T.F. 9—71960
Lange, Yu.V. Resonant transducers for impedance flaw detectors 9—52572
Lange, Yu.V. Operation of an acoustic spectral inspection unit piezoreceiver 9—64465
Lange, Yu.V. Impact excitation of vibrations in the acoustic spectral inspection method 9—70273
Lange, Yu.V. Unified procedure for the calculation of transducers used in impedance flaw detectors 9—90109
Lange, Yu.V. Characteristics of the impedance method of inspection and of impedance inspection transducers 9—96270
Lange, Yu.V. Transducers for low-frequency ultrasonic flaw detectors 9—98580
Lange, Yu.V., Moskovenko, I.B. Low-frequency acoustic nondestructive test methods 9—79204
Lange-Hesse, G. *see* Lauche, H. 9—58148
Langenberg, A., van Eck, J. An evaluation of K-shell fluorescence yields; observation of outer-shell effects 9—49980
Langenberg, A. *see* Watson, R.L. 9—72408
Langenberg, D.N. *see* Kirley, J.R. 9—56412
Langer, B.S. *see* Leverant, G.R. 9—52366
Langer, D.W. *see* Rodine, E.T. 9—99241
Langer, E. Derivation of the equivalent diameter for a cylindrical charge [induction heating] 9—50188
Langer, G. *see* Cooper, G. 9—58114
Langer, J.M., Langer, T., Krukowska-Fulde, B. Multicoloured electroluminescence in CdF_2 9—78755
Langer, J.M. *see* Langer, T. 9—52025
Langer, J.S. Interfacial instabilities and dendritic crystal growth 9—82506
Langer, M. *see* Loschau, W. 9—54242
Langer, S. EPA regulations and the radiological dose commitment from coal-fired power plants 9—52980
Langer, T., Krukowska-Fulde, B., Langer, J.M. Semiconducting CdF_2:Mn—A new material for efficient blue-green electroluminescence 9—52025
Langer, T. *see* Langer, J.M. 9—78755
Langer, W.D. *see* Frerking, M.A. 9—101182
Langerholc, J. Moving phase transitions in laser-irradiated biological tissue 9—83848
Langeron, J.P. *see* Lorang, G. 9—55932
Langevin, D. *see* Allain, C. 9—87880
Langevin, M. *see* Bernas, M. 9—67661
Langford, A.O. *see* Ravishankara, A.R. 9—70303
Langford, S.A., Nakagawa, J.K. A general equation for estimating refractive indices of Cargille liquids at various temperatures and wavelengths 9—58772
Langguth, W., Inomata, A. Remarks on the Hamiltonian path integral in polar coordinates 9—49079
Langhammer, G. *see* Mahn, B. 9—68673
Langhans, D. *see* Eichler, H.J. 9—72619
Langhe, E.De *see* De Langhe, E.
Langhoff, H. *see* Weiss, H. 9—73874
Langhoff, P.W. *see* Rescigno, T.N. 9—98163
Langhoff, S.R., Jaffe, R.L. Theoretical study of the four lowest doublet electronic states of the hydroperoxyl radical: application to photodissociation 9—93914
Langlet, G.A. A new fast direct solution to the problem of the sphere tangent to four spheres 9—99019
Langley, A.J., Taylor, P.H. Chladni patterns in random vibration 9—81714
Langley, K.H., Stone, J.R., Marshall, T.R., Parmenter, C.S., Searer, M., Bradford, E.B. Polystyrene latex particle size by electron microscopy and light scattering 9—66365
Langley, K.H. *see* Sattelle, D.B. 9—66465
Langlois, W.E. Effect of the buoyancy parameter on Czochralski bulk flow in garnet growth 9—61512
Langouche, F., Roekaerts, D. Discretization problems of functional integrals in phase space 9—97254
Langouche, F., Roekaerts, D., Tirapegui, E. Higher-order corrections through functional integrals to the WKB expansion in curved spaces 9—71280
Langouche, F., Roekaerts, D., Tirapegui, E. Steepest descent approximation for the Fokker-Planck equation 9—80516
Langouche, F., Roekaerts, D., Tirapegui, E. WKB expansions with higher order corrections. The general case 9—84999
Langouche, F., Roekaerts, D., Tirapegui, E. On the perturbation expansion for the Fokker-Planck dynamics 9—88879
Langouche, F., Roekaerts, D., Tirapegui, E. Perturbation expansion through functional integrals for nonlinear systems 9—97255
Langouche, G., Dezsi, I., Van Rossum, M., De Bruyn, J., Coussement, R. Observation of a strong dose dependence in ^{57}Co implantations in Si and Ge 9—82899
Langouche, G. *see* Blizzard, M. 9—78582
Langouche, G. *see* Bruyn, J.De. 9—99810
Langouche, G. *see* Van Rossum, M. 9—61279, 9—99809
Langrana, N.A., Stover, C.N. Back strength assessment through isokinetic analysis 9—96606
Langreth, D.C., Perdew, J.P. The gradient approximation to the exchange-correlation energy functional: a generalization that works 9—90983
Langry, K.C. *see* La Mar, G..N. 9—92152
Langseth, M.G. *see* Anderson, R.N. 9—79812
Langstaff, R.R. *see* Burgerjon, J.J. 9—76222

Langstrom, B., Stridsberg, B. Syntheses of racemic [1-^{11}C]-alanine and partially resolved [3-^{11}C]-alanine 9—88186
Langstrom, B. *see* Lundqvist, H. 9—79649
Langway, C.C., Jr. *see* Busenberg, E. 9—70815
Langway, C.C., Jr. *see* Koide, M. 9—88027
Lanier, J. A constitutive equation for rate-dependent materials 9—90150
Lanier, J.H. *see* Strom, S.S. 9—52947
Lanier, R.G. *see* Mann, L.G. 9—54378
Laniesse, J. *see* Remy, L. 9—74158
Lanin, A.G. *see* Andrievskii, R.A. 9—77641
Lanin, A.G. *see* Deryavko, I.I. 9—96265
Lanir, M., Vanderwyck, A.H.B., Wang, C.C. EBIC characterization of HgCdTe crystals and photodiodes 9—67385
Lank, D.J., Dobbs, B.C., Park, Y.S. Electrical profiles of magnesium-ion-implanted GaP 9—77628
Lankard, J.R. *see* Bethune, D.S. 9—58808
Lankford, A.J. *see* Abrams, G.S. 9—89149, 9—89174
Lankford, A.J. *see* Kourkoumelis, C. 9—63555
Lankford, J. Uniaxial compressive damage in α-SiC at low homologous temperatures 9—91736
Lankford, J., Davidson, D.L. The crack-initiation threshold in ceramic materials subject to elastic/plastic indentation 9—70157
Lankford, J., Davidson, D.L. Indentation plasticity and microfracture in silicon carbide 9—70158
Lankford, W.F. *see* Kossler, W.J. 9—56665, 9—56697
Lann, A.Le *see* Le Lann, A.
Lanni, L. Some realities of nuclear power plant decommissioning 9—81071
Lannin, J.S. First-order Raman scattering in $Bi_{1-x}Sb_x$ alloys 9—69831
Lanning, D.D., Hann, C.R., Williford, R.E. Qualitative confirmation of steady-state fuel centerline thermocouple data from transient response 9—93767
Lanning, D.D. *see* Bradley, E.R. 9—93697
Lanning, D.D. *see* Driscoll, M.J. 9—85637
Lanning, H. *see* Elias, J. 9—58353
Lannoo, M. A tight-binding derivation of force constants: application to covalent systems 9—60747
Lannoo, M. *see* Bensoussan, M. 9—90956
Lanotte, L., Luponio, C., Porreca, F. Spontaneous vibrational modes excited in ferromagnetics by reversible magnetostriction 9—56587
Lanou, R.E., Jr. *see* Cutts, D. 9—85346
Lanoue, P. *see* Ehrlich, M. 9—62341
Lanphere, M.A. *see* Gohn, G.S. 9—74879
Lansing, J.C., Jr., Thompson, R.J. Calibration of the thermal band of the Landsat multispectral scanner 9—97438
Lanske, D. *see* Blietschau, J. 9—93396
Lanskii, A.M. *see* Belousov, A.N. 9—86444
Lanskoi, D.E. *see* Korotkikh, V.L. 9—93394
Lansman, J.B., Haynes, D.H. Charge asymmetry does not affect the rate of Ca^{2+}-induced aggregation of phospholipid vesicles 9—62202
Lantash, N.M. *see* Volkova, L.M. 9—60344
Lanteri, H. *see* Bindi, R. 9—99993
Lanting, R.W. Sampling and calibration methods for the measurement of gaseous atmospheric pollutants 9—83687
Lanting, R.W. Modification of the potassium iodide procedure for improved stoichiometry 9—88037
Lanting, R.W. *see* Van de Wiel, H.J. 9—88038
Lantos, P. *see* Raoult, A. 9—66988
Lantsev, I.A. *see* Gismatullin, Yu.R. 9—54461
Lantto, L.J., Nieminen, R.M. Ground state and elementary excitations of spin-aligned atomic hydrogen 9—54047
Lantto, V. An empirical calculation of the depth distribution of primary X-ray production 9—79348
Lantz, R.C. *see* Wong, F. 9—62252
Lantz, S.A. *see* Lafferty, J.F. 9—92261
Lanxner, M., Shai, I., Brandstetter, A., Yekutieli, G. High reliability contacts for miniature thermoelectric converters 9—52952
Lanyi, S. Contact-limited conduction in V_2O_5 single crystals 9—95493
Lanyon, H.P.D., Tuft, R.A. Bandgap narrowing in moderately to heavily doped silicon 9—99477
Lanyuk, A.N. Effect of the two-dimensionality of the flow of a gas with a stepwise distribution of the total parameters on the integral characteristics of a laval nozzle 9—90305
Lanz, P., Leber, H.P., Haussler, R., Marki, M., Schmid, N., Schryber, M. Generation of a high voltage trapezoidal wave form for a μS-pulsed beam system at SIN 9—54684
Lanza, D.M. *see* McShan, D.L. 9—62336
Lanza, R.C. *see* Martin, J.F. 9—89167
Lanzano, G., Mazza, G., Porto, F., Sambataro, S. Total reaction cross-sections determined from elastic scattering of α-particles on Br 9—93638
Lanzaro, A. Split beam scanning electron microscope 9—75654
Lanzerotti, L.J., Maclennan, C.G., Webb, D.C. Rapid changes in the hydromagnetic wave coupling region in the magnetospheric plasma 9—75050
Lanzerotti, L.J., Maclennan, C.G., Webb, D.C. Comparisons of inferred total plasmasphere content with measured plasma density profiles 9—101010
Lanzerotti, L.J. *see* Kennel, C.F. 9—84696
Lanzerotti, L.J., Kennel, C.F., Parker, E.N. *(editor)* Solar system plasma physics, vol.III. Solar system plasma processes 9—84625
Lanzerotti, L.J. *see* Kennel, C.F. *(editor)* 9—84696
Lanzerotti, L.J. *see* Parker, E.N. *(editor)* 9—84782
Lanzi, C. *see* Das, P. 9—94437
Lanzl, C. *see* Das, P. 9—53586
Lanzl, F., Schluter, M. Microprocessor-controlled hologram analysis 9—76648
Lanzl, F., Schluter, M. Video-electronic analysis of holographic interferograms 9—86139
Laor, Y.G. *see* Pei-Nan Tsung 9—62299
Lapasset, G. *see* Asaoka, T. 9—73205
Lapchuk, T.V. *see* Dod', I.I. 9—67275
Lapenas, A. *see* Belogurov, V. 9—67819
Lapenas, A.A. *see* Berzonis, M.A. 9—89514
Lapeyre, G.J. *see* Margaritondo, G. 9—83094
Lapeyre, G.J. *see* Williams, C.P. 9—74063
Lapeyre, G.J. *see* Williams, G.P. 9—83096
Lapicki, G., Losonsky, W. Coulomb deflection in ion-atom collisions 9—94074
Lapicki, G. *see* Brandt, W. 9—94073
Lapicki, G. *see* McDaniel, F.D. 9—69907
Lapides, M.E. *see* Cline, J.E. 9—71929
Lapidus, L.I. *see* Akimov, Yu.K. 9—49525
Lapidus, L.I. *see* Zamolodchikov, A.B. 9—97734
Lapiedra, R., Marques, F., Molina, A. Classical predictive electrodynamics of two charges with radiation: energy and 3-momentum balance and scattering cross sections. II 9—88818
Lapiedra, R., Molina, A. Classical predictive electrodynamics of two charges with radiation: general framework. I 9—88817
Lapierre, F. *see* Haen, P. 9—82588
Lapierre-Ravet, M.F. *see* Panissod, P. 9—87229
Lapiga, E.Ya., Sinaiskii, E.G. Capture of small charged particles by a large uncharged particle in a uniform external electrical field 9—66357
Lapikas, L. *see* Platchkov, S.K. 9—93541
Lapin, A.D. Bulk-to-surface mode conversion by periodic corrugations at the boundary of a solid 9—64392
Lapin, A.D. Longitudinal- and flexural-mode attenuation in a thin plate by periodic corrugations of its surface 9—90048
Lapin, A.D. Sound scattering in a solid waveguide with periodic boundary corrugations 9—94384
Lapin, V.V. *see* Bugorskii, A.P. 9—68119
Lapin, Yu.V., Chumakov, Yu.S. The turbulent boundary layer in multicomponent, chemically-reacting flows 9—98822
Lapin, Yu.V., Ermolov, I.N. Curves of the directivity of emission of rectangular probes under impulse conditions 9—96276
Lapina, E.A. *see* Maleev, E.N. 9—72687
Lapina, T.P. *see* Shur, Ya.S. 9—70176
Lapinskas, R.B. *see* Ashmontas, S.P. 9—56297
Lapkina, N.D. *see* Fialkov, A.S. 9—91600
Laplace, G. *see* Tudo, J. 9—73146
Laplanche, F. *see* Cosme, G. 9—58968
Laplante, P.Y. *see* Cabana, A. 9—72311
Lapointe, P.L. *see* Roy, J.L. 9—100809
Laporte, A.P. NDI by neutron radiography in the triton reactor: industrial applications 9—61826
Laporte, J.L., Rousset, Y., Ranson, P., Peretti, P. Investigation on emitting centers in naphthalene-benzophenone mixed crystals 9—61427
Laporte, J.P. *see* Brun, P. 9—62324
Laposa, J.D. *see* Condirston, D.A. 9—59500
Lapostolle, P. *see* Chabert, A. 9—54698, 9—72110
Lapparent, D.de *see* de Lapparent, D.
LaPrice, W.J., Uhrich, D.L. A Mossbauer temperature study of a cold nematic liquid crystal: nematic glass-supercooled nematic 9—95687
Lapshin, E.I. *see* Grekova, G.V. 9—68969
Lapshin, V.G. *see* Vasil'chenko, V.G. 9—93869, 9—97942
Lapshina, N.A. *see* Vlasov, N.G. 9—59659
Lapshov, Yu.K. *see* Gavrilenko, A.P. 9—70016
Laptev, V.D., Pestov, Yu.N., Petrovykh, N.V., Sannikov, B.P., Fedotovich, G.V. A localized-discharge spark counter as a new particle detector 9—81119
Lapujoulade, J., Armand, G., Lejay, Y. The elastic scattering of helium from (100) copper 9—95892
Lapujoulade, J. *see* Armand, G. 9—61486
Lapujoulade, J. *see* Manson, J.R. 9—61485
Lapushkin, S.V. *see* Biryukov, Yu.A. 9—89332
Laqua, K. *see* Bubert, H. 9—87926
Lara, E.De *see* De Lara, E.
Lara, P. *see* Anders, B. 9—75967
Lara, P. *see* Graubmann, S. 9—89317
Laragh, J.H. *see* Keim, H.J. 9—79635
Laramore, G.E. Use of Fourier transforms for analyzing the extended fine structure above appearance potential thresholds 9—83058
Larchev, V.N., Popova, S.V. Polymorphism of palladium dichalcogenides at high pressures and temperatures 9—82173
L'Archeveque, J.V.R. *see* Yan, G. 9—76105
Lardinois, B. *see* Rives, J. 9—92340
Lardner, R.W., Bojadziev, G.N. Vibrations of a viscoelastic rod with small non-linearities 9—98657
Lardner, R.W., Ramakesavan, S. The structure of shock layers in elastic-plastic media: micro-plastic regime 9—76997
Laredo, E., Puma, M., Figueroa, D.R. Studies of relaxation processes in BaF_2:La^{3+} crystals by ionic-thermocurrent techniques 9—69769
Larere, A., Roques-Carmes, C. Intergranular precipitation studies by ion imaging microanalyser on nickel 99.5% after annealing treatment at 625 degrees C 9—61594
Largo-Cabrerizo, J. A linear correlation between $[r_{12}^n]^{-1/n}$ and the nuclear charge for two-electron atoms 9—68178
Largo-Cabrerizo, J., Martin Bravo, M.A., Duque Calvo, F.M. The pair electron distribution function in the Hartree-Fock approximation. I. Atomic systems 9—81150
Larher, Y. The critical exponent β associated with the two-dimensional condensation in the second adlayer of argon on the cleavage face of cadmium chloride 9—99413
Larher, Y., Thorel, P., Gilquin, B., Croset, B., Marti, C. The layer-like character of films adsorbed on cleavage faces as seen by neutron diffraction 9—86994
Larhichi, M. *see* Panissod, P. 9—87229
Larichev, M.N. *see* Butkovskaya, N.I. 9—59596
Larignon, M., Magnant, D., Payen de la Garanderie, H. Preparation and preliminary study of a manganese amine complex with two emission bands 9—51997
Larikov, I.N., Maksimenko, E.A. The influence of the neutron irradiation on microcracks in Mo single crystals 9—77639
Larikov, L.N., Baklanova, L.M., Drachinskaya, A.G., Ustinov, A.I. Structural changes in chromium and chromium-based alloys during low-temperature phase transition 9—52202
Larikov, L.N., Belyakova, M.N., Danilenko, V.M. Simulation on an electronic calculating machine (ECM) of the formation of the grain structure in the process of two-dimensional recrystallisation 9—87666
Larikov, L.N., Isaichev, V.I., Maksimenko, E.A. A study of the changes in the density of monocrystalline molybdenum during plastic deformation 9—87689
Larikov, L.N., Usov, Yu.V. The formation of point defects in Fe-Ni alloys at high temperatures 9—86787
Larikov, L.N. *see* Baklanova, L.M. 9—55907
Larikov, L.N. *see* Borimskaya, S.T. 9—100210
Larikov, L.N. *see* Borimskaya, S.T. 9—91663
Larikov, L.N. *see* Brick, V.B. 9—86916
Larikov, L.N. *see* Danilenko, V.M. 9—65202
Larikov, L.N. *see* Dubovitskaya, N.V. 9—65086, 9—74236
Larikov, L.N. *see* Gurevich, M.E. 9—52251, 9—65258
Larin, E.S. *see* Gufan, Yu.M. 9—90757
Larin, G.V., Buinovskii, A.M., Zaitseva, N.V., Krivonos, N.M., Sosnitskii, Ya.A. Strain determination by method of Moire-band displacement 9—52519
Larin, I.G., Latushkin, S.T., Rezvov, V.A., Yudin, L.I. Multichannel generator of nanosecond pulses 9—68168
Larin, Ye.A., Sergienko, E.K. Results of an experimental investigation of the propagation of radio waves at the frequency of 19 GHz 9—88453
Larina, I.N., Rykov, V.A. Effect of rotational degrees of freedom of molecules on energy flux in attenuated gas 9—64705
Larionov, M.M. *see* D'yachenko, V.V. 9—55482
Larionov, M.M. *see* Gladkovskii, I.P. 9—98927
Larionov, V.N. *see* Maslennikova, G.N. 9—61756
Larionov, V.R. *see* Alferov, Zh.I. 9—70451
Larionov, V.V., Khanukhov, Kh.M. Resistance of low-alloy steel to low-cycle deformation at low temperatures 9—87696
Larionov, V.V., Makhutov, N.A. Determination of threshold values of the stress-intensity factor under cyclic load 9—87709
Larionov, Yu.P. *see* Kartuzhanskii, A.L. 9—58829
Larionova, N.E. *see* Aboltis'sh, E.E. 9—95481
Larionova, N.P. *see* Dunin-Barkovskii, V.L. 9—53077
Lariontsev, E.G. Limiting sensitivity of a laser gyroscope with induced mode locking 9—59744
Lariontsev, E.G. *see* Dotsenko, A.V. 9—72602
Larivaille, P. Architectural aspect and integration in the surroundings of thermal [and nuclear] power stations 9—92094
LaRiviere, P.D. *see* Tochilin, E. 9—63823
Lark, R.F. *see* Vary, A. 9—87798
Larkin, A.I. *see* Bykovskii, Yu.A. 9—98406
Larkin, A.I. *see* Elesin, V.F. 9—76691
Larkin, A.I. *see* Gor'kov, L.P. 9—99523
Larkin, A.I. *see* Klemm, R.A. 9—93039
Larkin, D.K. *see* Aleksandrov, A.A. 9—82284
Larkina, T.I. *see* Gusakovskaya, I.G. 9—62166
Larkina, V.I. *see* Likhter, Ya.I. 9—58157
Larkins, F.P. *see* Harker, A.H. 9—87029, 9—87036, 9—87037

Larlee, K. *see* Demille, G.R. 9—83700
Larner, K.L., Gibson, B.R., Chambers, R., Wiggins, R.A. Simultaneous estimation of residual static and crossdip corrections 9—92500
Laroche, C. *see* Balibar, S. 9—56035
LaRock, R.I. Satellite power systems (SPS) overview 9—52890
LaRocque, L.R. Whole-body I-131 metastatic survey as an aide in determining functional thyroid metastases 9—96657
Larrabee, A.L., Babiarz, J., Laughlin, R.G., Geddes, A.D. Sizing of phosphatidylcholine vesicles by transmission electron microscopy 9—70722
Larrabee, D.A. *see* Lovelace, R.V. 9—64894
Larragoiti, L.A. *see* Dubinsky, B.A. 9—96909
Larroque, P. *see* Berty, J. 9—90921
Larry, J.R. *see* Horowitz, S.J. 9—71436
Larsen, D.S., Norskov, J.K. Calculated energies and geometries for hydrogen impurities in Al and Mg 9—99507
Larsen, D.W. *see* Moucharafieh, N. 9—94885
Larsen, E. *see* Bauer, R. 9—65773
Larsen, E.B. Techniques for producing standard EM fields from 10 kHz to 10 gHz for evaluating radiation monitors 9—97341
Larsen, E.M. *see* Conn, R.W. 9—71974
Larsen, E.W. Two types of homogenization 9—49644
Larsen, E.W. The spectrum of the multigroup neutron transport operator for bounded spatial domains 9—97742
Larsen, E.W. *see* Alcouffe, R.E. 9—80970, 9—85099
Larsen, G., Gronvold, K., Thorarinsson, S. Volcanic eruption through a geothermal borehole at Namafjall, Iceland 9—53332
Larsen, G. *see* Abadir, R. 9—62344
Larsen, J.S. *see* Thorsteinsen, T.F. 9—59077
Larsen, K.Bjorlow *see* Bjorlow Larsen, K.
Larsen, K.M. *see* Hanks, R.W. 9—94681
Larsen, L.E., Moore, R.A., Jacobi, J.H., Halgas, F.A., Brown, P.V. A microwave compatible MIC temperature electrode for use in biological dielectrics 9—88216
Larsen, P.K. *see* Metselaar, R. 9—99552
Larsen, R.C. *see* Schmidt, M.P. 9—89146
Larsen, R.R. *see* Abrams, G.S. 9—89149, 9—89174
Larsen, R.R. *see* Rapidis, P.A. 9—75780
Larsen, S.Y., Kilpatrick, J.E. Third cluster coefficient for square well discs 9—85072
Larson, B.C. *see* Appleton, B.R. 9—52255, 9—69127
Larson, B.C. *see* Narayan, J. 9—73191
Larson, D. *see* Dixon, R. 9—89169
Larson, D.C., Savery, C.W. Double-exposure collector system for solar heating applications 9—62070
Larson, D.J., Jr. *see* Pirich, R.G. 9—82827
Larson, E. *see* Rosenbaum, J. 9—88989
Larson, H.A. *see* Sackett, J.I. 9—54558
Larson, H.P., Feierberg, M.A., Fink, U., Smith, H.A. Remote spectroscopic identification of carbonaceous chondrite mineralogies: applications to Ceres and Pallas 9—96946
Larson, J.N. *see* Marks, R.J., II 9—50231
Larson, L.A., Dickinson, J.T. The decomposition of formic acid on Ru (1010) 9—79245
Larson, L.A., Dickinson, J.T., Braunlich, P.F., Snyder, D.B. Emission of neutral particles from anodized aluminium surfaces during tensile deformation 9—78856
Larson, M.A. *see* Garside, J. 9—94933
Larson, R.E., Shapiro, M.H., Kosowski, R., Jones, D.A. Comment on 'Radon series disequilibrium in southern California coastal air' by M.H. Shapiro et al. [and Reply] 9—58041
Larson, R.E. *see* Bressan, D.J. 9—70847
Larson, R.L. Marine geomagnetism 9—66621
Larson, S.A. *see* Eriksson, K.G. 9—74488
Larson, S.J. *see* Battocletti, J.H. 9—83880
Larson, S.M. Mechanisms of localization of gallium-67 in tumors 9—57768
Larson, W.J. Some selected sky charts for the amateur 9—62762
Larsson, B., Storakers, B. A state variable interpretation of some rate-dependent inelastic properties of steel 9—61687
Larsson, B. *see* Forsberg, J.O. 9—62298
Larsson, J. Conductivity tensors of all orders in collisionless plasma 9—72990
Larsson, J. Current responses of all orders in a collisionless plasma. I. General theory 9—90449
Larsson, J. Current responses of all orders in a collisionless plasma. II. Homogeneous plasma 9—90450
Larsson, K.E., Mansson, T., Olsson, L.G. Nature of rotational motions in the solid phases of neopentane and tertial butyl chloride 9—51023
Larsson, K.E. *see* Soderstrom, O. 9—50983
Larsson, L.O. *see* Warren, R. 9—91607
Larsson, M. *see* Carlson, T.A. 9—89809
Larsson, S., Braga, M. Back donation in $Ni(CO)_4$: comments on papers by K.H. Johnson and by K.H. Johnson and U. Wahlgren 9—63913
Larsson, S.E. *see* Vieu, Ch. 9—49572
Lartey, R.B. *see* Kuhn, A.T. 9—52417
Larue, J. *see* Cardinne, P. 9—58721
Larue, J. *see* Suppa, E. 9—96478
Larue, J.C. Qualification of European non reflective solar cells 9—96477
Larue, J.-C., Amberg, H.U. Accelerated thermal cycling of solar arrays samples 9—96458
Laruelle, P. *see* Flahaut, J. 9—86757
Laruelle, P. *see* Julien-Pouzol, M. 9—69063
Larzilliere, M. Stark modulation in the a^3A_2-$X^1\Sigma_g^+$ system of CS_2 9—86003
Larzilliere, M., Damany, N., Lam Thanh My The vibrational frequencies of HPO 9—54831
las Heras C. de *see* C. de las Heras
Lasaga, A.C., Karplus, M. Excitation operators and the extended random phase approximation. II. Applications 9—97993
Lascaud, M., Lachter, A., Salardenne, J., Barriere, A.S. Electrical conduction mechanisms in FeF_3 thin films 9—99649
Lasch, M. *see* Eickelpasch, N. 9—89389
Lascombe, J. *see* Besnard, M.E. 9—50978
Lasenby, D.C. *see* Adams, W.P. 9—62540
Lasene, G.E. Anisotropy in electron penetration through the barrier due to a repulsive center 9—65497
Laser, D., Gottesfeld, S. Photocurrents induced by subbandgap illumination in a Ti-oxide film electrode 9—91094
Lash, D. *see* Federer, C.A. 9—84328
Lasher, G.J. *see* Tsu, R. 9—73197
Lasher, G.L., Chan, K.L. A method for predicting the soft X-ray flux from supernovae 9—71060
Lashkareva, L.S. *see* Veis, A.N. 9—95314
Lashko, N.F., Matveeva, G.N., Morozova, G.I., Zhorova, L.P. Nucleating cellular dendritic crystallisation of Al-Mg-Ti-Zr alloy 9—70055
Lashko, N.F. *see* Morozova, G.I. 9—70237, 9—100217
Lashkul, A.V. *see* Radautsan, S.I. 9—56229
Lashmore-Davies, C.N., Stenflo, L. On the MHD stability of a helical magnetic field of arbitrary amplitude 9—86578
Lashmore-Davies, C.N. *see* Bingham, R. 9—60151
Lasinger, M., Paul, H., Semrad, D. Beam profiling by backscattering from thin wires 9—59289
Lasinski, B.F. *see* Langdon, A.B. 9—82057
Lasjaunias, J.C., Maynard, R., Vandorpe, M. Existence of a gap in the low energy density of states of vitreous silica 9—60769
Lasjaunias, J.C., Ravex, A., Thoulouze, D. Low-temperature specific heat of glassy and crystallised $Pd_{0.775}Cu_{0.06}Si_{0.165}$ alloys 9—60516
Lasjaunias, J.C. *see* Lewis, J.E. 9—60519, 9—60563
Laska, L., Masek, K., Ruzicka, T. Numerical analysis of glow discharge in oxygen 9—55577
Laska, V.L. *see* Ledovskoi, V.P. 9—91180
Laskarides, P.G., Pinotsis, A.D. Theoretical isochrones in the case of stellar evolution with variable G (Brans-Dicke cosmological theory) 9—67125
Lasker, B.M. The shell nebulae in the Magellanic Clouds: a survey in [S II], Hα, and [O III] 9—67085
Lasker, B.M. A search for [O I] λ6300 from the warm neutral medium in NGC 4594 9—71129
Lasker, B.M. *see* Atwood, B. 9—66924
Laskey, W.K. *see* Bianco, J.A. 9—79633
Laskin, N.V. *see* Krasil'nikov, V.V. 9—95381
Lasky, J.B., Moran, P.R. Thermoluminescent response of LiF (TLD-100) to 0.1-5-keV electrons: an energy-range relationship and comparison of the TL glow with TSEE glow curves 9—95852
Laslett, L.J., Smith, L. Stability of intense transported beams 9—76224
Laslett, L.J. *see* Faltens, A. 9—67982
Lasota, H. *see* Belannoy, B. 9—98520
Lasota, H. *see* Delannoy, B. 9—81638
Lasota, J.P. *see* King, A.R. 9—92764
Lasowska, A. *see* Skawinski, R. 9—98795
Lass, J.S. *see* Mohr, W. 9—65534, 9—95397
Lassabatere, L. *see* Soonckindt, L. 9—78155
Lassailly, Y. *see* Duc, T.M. 9—100020
Lassegues, J.C. *see* Besnard, M.E. 9—50978
Lasser, E.C. *see* Baily, N.A. 9—62348
Lasser, R. *see* Podloucky, R. 9—77999
Lassettre, E.N. Momentum eigenfunctions in the complex momentum plane. II. Relation of secondary singular points to one-electron, local, potential functions 9—68179
Lassier-Govers, B. *see* Brot, C. 9—69038
Lassig, G. *see* Lewin, G. 9—50688
Lassila, K.E. *see* Vary, J.P. 9—93659
Lassmann, K. *see* Epperlein, P.W. 9—56414
Lassmann, K. *see* Marx, D. 9—65304
Last, G.A. *see* Corrigan, D.C. 9—67928
Lastman, G.J., Wentzell, R.A. On the observed gauge pressure due to the action of a tension pulse on a bubble in a viscous incompressible liquid 9—55406
Lastras-Martinez, A. Theoretical calculations of the minority-carrier diffusion length in high-internal-quantum-efficiency GaAs 9—87109
Lastras-Martinez, A. *see* Vazquez-Lopez, C. 9—100525
Laszewski, R.M. *see* Bowles, T. 9—93663
Laszewski, R.M. *see* Holt, R.J. 9—89267
Laszewski, R.M. *see* Monahan, J.E. 9—89293
Lataillade, J.L. *see* Pouyet, J. 9—59947
Latanision, R.M., Beckham, K.F. Modification of the strength of solids by chemisorption 9—51423
Latenko, B.V. *see* Ornatskii, A.P. 9—65181
Lates, R., Saha, S. Cement line motion in bone 9—74712
Lath, D. *see* Spychaj, T. 9—96353
Latham, A., Allison, J., Booth, I., Dickinson, B., Hill, S.R., Ibbotson, M., Lawson, R., Mills, H.E., Stephens, K., Thompson, R.J., Vapenikova, O., Baxter, D., Darvill, D.C., Davenport, M., Foster, F., Hughes, G., Morris, J.V., Wright, J., Rawlinson, W.R. Coincidence electroproduction of single neutral pions in the resonance region at $q^2=0.5$ $(GeV/c)^2$ 9—89168
Latham, A.G., Schwarcz, H.P., Ford, D.C., Pearce, G.W. Palaeomagnetism of stalagmite deposits 9—84107
Latham, G. *see* Culberson, C.H. 9—91986
Latham, R.V. *see* Allen, N.K. 9—61502
Lathem, A. *see* Morris, J.V. 9—93434
Lathrop, J. *see* Pasierb, E. 9—80828
Lathrop, J.W., Prince, J.L. Considerations for accurately determining the maximum power output of solar cells 9—74527
Lathrop, J.W. *see* Prince, J.L. 9—74528, 9—92083
Latigan, B.A. *see* Khayurov, S.S. 9—96248
Latigo, B.O. *see* Browand, F.K. 9—68686
Latimer, C.J. *see* King, R.F. 9—54963
Latimer, P. Light scattering vs. microscopy for measuring average cell size and shape 9—84030
Latimer, T.W. *see* Kerrisk, J.F. 9—93734
Latinopoulos, P., Ganoulis, J. Shear stresses in pulse flow through channels and tubes with variable section 9—92249
Latombe, C. *see* Glangeaud, F. 9—70929
Latorre, J.R. *see* Diaz, E. 9—89460
Latour, J., Zahn, J.-P. On the boundary conditions imposed by a stratified fluid 9—55404
Latourrette, B., Guillen, F., Fouassier, C. Energy transfer from Eu^{2+} to trivalent rare earth ions in BaY_2F_8 9—91490
Latsis, I.E. Close spaced epitaxial growth of alkaline earth oxides 9—56934
Latta, B.M. Monte Carlo test of the T-expansion approach to range and depth calculations at low energies 9—54752
Latta, M.R., Pole, B.V. Design techniques for forming 488-nm holographic lenses with reconstruction at 633 nm 9—89866
Lattanzi, F. *see* Di Lauro, C. 9—68226
Lattes, C.M.G. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Lattimer, J.M., Grossman, L. Chemical condensation sequences in supernova ejecta 9—58365
Lattimer, J.M. *see* Bethe, H.A. 9—97014
Lattuada, M. *see* Barbarino, S. 9—67759
Latun, V.S., Kalashnikov, P.A. Thermohaline structure and water dynamics of the upper ocean layer in the north-western sector of the South Atlantic anticyclonic gyre 9—100864
Latun, V.S., Kalashnikov, P.A. On the subantarctic intermediate water mass in the Atlantic Ocean 9—100865
Latun, V.S. *see* Belousova, E.I. 9—100862
Latun, V.S. *see* Repetin, L.N. 9—100863
Latush, E.L. *see* Solanki, R. 9—68383
Latushkin, S. *see* Venikov, N. 9—54651
Latushkin, S.T. *see* Larin, I.G. 9—68168
Latuszkiewicz, J. *see* Kulik, T. 9—77520
Latuszynski, A. *see* Zuk, W. 9—82251
Laty, P., Seethanen, D., Degreve, F. Microroughness induced on solids by ion bombardment. I. Experimental results on sputtering of aluminium by A^+ (15 keV); quantification of microroughness 9—91556
Latynin, Yu.M. *see* Koltok, Yu.V. 9—93220
Latypov, A.G. Four-contact flat electrocardiographic electrode 9—92404
Latyshev, A.V. *see* Golubev, N.F. 9—51145
Latyshev, I.N. Distribution of velocity components of the nearest stars relative to the galactic plane 9—97088
Latyshev, V.N. *see* Karabanov, R.I. 9—79149
Latyshev, Yu.I., Nad', F.Ya. Nonequilibrium phenomena in superconducting Al bridges under the microwave radiation 9—56420
Latyshev, Yu.I., Nad', F.Ya. Temperature dependence of the excess resistance (R_s) of a normal metal-superconductor boundary 9—73640
Latysheva, E.I. *see* Pavlova, G.A. 9—76778
Latysheva, V.I. *see* Pan, V.M. 9—78244
Latz, H.W., Ullman, A.H., Winefordner, J.D. Limitations of synchronous luminescence spectrometry in multicomponent analysis 9—74452
Latz, R. *see* Nottrodt, K.H. 9—53004
Latzel, G., Schieck, H.P.G. Study of isobaric analog resonances in the elastic and inelastic scattering of polarized protons from ^{207}Pb in the energy range 13.5-18 MeV 9—75946
Latzko, E. *see* Schmidt, H.-L. 9—57566
Lau, A. *see* Fabian, H. 9—89968
Lau, A.M.F. Laser-induced molecular predissociation by stimulated single-photon or multiphoton absorption or emission of infrared photons 9—54925
Lau, B. *see* Wahl, H. 9—89868

Lau, J.C., Morris, P.J., Fisher, M.J. Measurements in subsonic and supersonic free jets using a laser velocimeter 9—77307
Lau, J.C. *see* Korman, C.S. 9—59521
Lau, K.F., Yen, K.H., Kagiwada, R.S., Wang, K.L. Further investigation of shallow bulk acoustic waves generated by using interdigital transducers 9—51411
Lau, K.F. *see* Yen, K.H. 9—55293
Lau, K.H., Cubicciotti, D., Hildenbrand, D.L. Effusion studies of the vaporization/decomposition of potassium sulfate 9—95153
Lau, K.H., Hildenbrand, D.L. Thermochemical properties of the gaseous tantanlum fluorides 9—100424
Lau, K.H. *see* Bechis, D.J. 9—89298
Lau, K.M.W. Experiment with a simple ocean-atmosphere climate model: the role of the ocean in the global climate 9—53507
Lau, L.Cho-Tuen *see* Cho-Tuen Lau, L.
Lau, L.J. *see* Fromholzer, D.R. 9—79386
Lau, N.-C. On the three-dimensional structure of the observed transient eddy statistics of the northern hemisphere wintertime circulation 9—58027
Lau, P.C.M. Curvilinear finite difference method for biharmonic equation 9—64539
Lau, S.C., Dahm, A.J., Jeffers, W.A., Jr. A study of ion motion in strained and unstrained crystals of solid HCP ^{4}He 9—56020
Lau, S.S., Mayer, J.W., Tseng, W.F. Comparison of laser and thermal annealing of implanted-amorphous silicon 9—70084
Lau, S.S., Tseng, W.F., Golecki, I., Kennedy, E.F., Mayer, J.W. A comparison of laser and electron beam pulsed annealing of deposited layers 9—69374
Lau, S.S. *see* Golecki, I. 9—69378, 9—77952
Lau, S.S. *see* Kennedy, E.F. 9—51152, 9—69134
Lau, S.S. *see* Liau, Z.L. 9—69147
Lau, Y.Y. *see* Lin, C.C. 9—75280
Laubacher, D. *see* Paciotti, M. 9—79629
Lauber, J. *see* Shen, T.T. 9—57496
Laubereau, A. *see* Kaiser, W. 9—50028
Laubereau, A. *see* Penzkofer, A. 9—76759
Laubitz, M.J. *see* Cook, J.G. 9—82575
Laubitz, M.J. *see* Taylor, R. 9—60820
Lauche, H., Lange-Hesse, G. Variation of the green line oxygen airglow emission rate as a precursor indicative of wintertime absorption anomaly of HF radio waves 9—58148
Lauchle, G.L., Barge, F.A. Underwater acoustic reflection by composites of wood, steel, and rubber 9—94394
Lauckner, J. *see* Fiedler, H. 9—82156
Laude, L.D. *see* Wautelet, M. 9—74059, 9—83098
Laudiero, F. *see* Coppi, B. 9—98936
Laue, R.J., Altstetter, C.J. Diffusion and trapping of oxygen in refractory metal alloys 9—77816
Lauer, F. Leakage tests on [nuclear] reactor containments 9—67895
Lauer, J.L. Study of polyphenyl ether fluid (5P4E) in operating elastohydrodynamic contacts by infrared emission spectroscopy 9—91807
Lauer, J.L., King, V. Infrared micro-interferometer for tissue analysis 9—79714
Lauer, S., Marathe, V.R., Trautwein, A. Sternheimer shielding using various approximations 9—76352
Lauer, T.R. *see* Oke, J.B. 9—71103
Lauer Green, J. *see* Saflekos, N.A. 9—75043
Laufer, I. *see* Gohel, V.K. 9—92359
Laufer, S.C., Hasson, P.L. [Nuclear] fuel components QC reports 9—97883
Lauffenburger, D., Aris, R. Measurement of leukocyte motility and chemotaxis parameters using a quantitative analysis of the under-agarose migration assay 9—96525
Laughlin, D.E. *see* Fu-Wen Ling 9—100114
Laughlin, J.S. *see* Holt, J.G. 9—100734
Laughlin, J.S. *see* Tilbury, R.S. 9—53245
Laughlin, R.G. *see* Larrabee, A.L. 9—70722
Laughner, J.W. *see* Cline, T.W. 9—56731
Laughton, A.S., Searle, R.C., Roberts, D.G. The Reykjanes Ridge crest and the transition between its rifted and non-rifted regions 9—88338
Laugier, A. *see* Montegu, B. 9—69479
Laugier, J. *see* Chamberod, A. 9—56638
Laugier, J.P. *see* de Wolf, E.A. 9—49543
Lauher, J.W., Dougherty, D., Herley, P.J. Sodium tetrahydroaluminate 9—69081
Laulainen, N.S. *see* Scott, B.C. 9—100915
Laumer, H. *see* Miller, P.S. 9—72167
Launay, J.-C. *see* Bonnamy, C. 9—69971
Launay, J.-C. *see* Choukroun, S. 9—51029
Launay, J.P. *see* Che, M. 9—99764
Launder, B.E., Massey, T.H. The numerical prediction of viscous flow and heat transfer in tube banks 9—55375
Launder, B.E., Schiestel, R.S. Application of a multi-scale transport model of turbulence to the calculation of free shear flows 9—50763
l'Aune, W.R.De *see* De l'Aune, W.R.
Launer, H.G. A method for the elimination of the transformer strayvoltage with respect to the zero stability in mains supplied magnetic flow measuring 9—82018
Laungani, D. *see* Altman, L.J. 9—76447
Laupretre, F., Monnerie, L. Relations between mesogenic character and conformational energy of lyotropic polymers 9—99066
Laupretre, F. *see* Lang, M.-C. 9—94863
Laupretre, F. *see* Mauzac, M. 9—95670
Laura, P.A.A., Grossi, R.O. Transverse vibrations of rectangular anisotropic plates with edges elastically restrained against rotation 9—94536
Laura, P.A.A., Grossi, R.O., Carneiro, G.I. Transverse vibrations of rectangular plates with thickness varying in two directions and with edges elastically restrained against rotation 9—86373
Laura, P.A.A., Grossi, R.O., Gupta, U.S., Lal, R. Comments on 'Buckling and vibrations of circular plates of variable thickness' [by U.S. Gupta, R. Lal, with their reply] 9—81774
Laura, P.A.A., Grossi, R.O., Soni, S.R. Free vibrations of a rectangular plate of variable thickness elastically restrained against rotation along three edges and free on the fourth edge 9—72844
Laura, P.A.A., Gutierrez, G.H., Sanchez Sarmiento, G. Application of conformal mapping to the determination of unsteady temperature distribution in thermally orthotropic plates 9—55310
Laura, P.A.A., Gutierrnez, R.H. A simple, approximate solution of a class of dynamic stability problems 9—68612
Laura, P.A.A., Vijayakumar, K., Ramaiah, G.K. Comments on 'Analysis of vibration of clamped square plates by the Rayleigh-Ritz method with asymptotic solutions from a modified Bolotin method' 9—72849
Laura, P.A.A. *see* Leissa, A.W. 9—86366
Lauransan, J. *see* Le Gall, L. 9—81165
Laurence, G., Simondet, F., Saget, P. Combined RHEED-AES study of the thermal treatment of (001) GaAs surface prior to MBE growth 9—61754
Laurence, R.L. *see* Price, F.P. 9—69271
Laurence, R.L. *see* Singh, R. 9—60054, 9—60055
Laurendeau, N.M. *see* Daniel, K.J. 9—81704
Laurendeau, N.M. *see* Lucht, R.P. 9—50000
Laurenson, L. *see* Dennis, N.T.M. 9—63254, 9—67329
Laurent, C., Vidal-Madjar, A., York, D.G. The ratio of deuterium to hydrogen in interstellar space. IV. The lines of sight to δ, e, and ι Orionis 9—53865
Laurent, F. *see* Brun, P. 9—62324
Laurent, G. *see* Gendrin, R. 9—58193
Laurent, H., Schapira, J.P. Magnetic quadrupole and solenoidal spectrometers 9—68127
Laurent, J. *see* de Wolf, E.A. 9—49543
Laurent, J.-M., Grobner, O. Distributed sputter-ion pumps for use in low magnetic fields 9—67325
Laurent, R., Church, W.R. The ophiolites of southern Quebec: oceanic crust of Betts Cove type: discussion [and reply] 9—57923
Laurent, R. *see* Desalos, V. 9—79003
Laurent, R. *see* Desalos, Y. 9—61631
Laurent, R. *see* Seguin, M.K. 9—79813
Laurent, T.C., Preston, B.N., Sundelof, L.-O. Transport of molecules in concentrated systems 9—57567
Laurenzi, B.J. Power moments of hydrogenic Green's functions and Green's functions of the second kind 9—85891
Laurig, W. Echographic and computer tomographic diagnostics of abdominal aortic aneurisms 9—79616
Laurinavichyus, A.B., Belotserkovskii, K.B. Mathematical models of automated systems (AS) for experimental investigations. VII. Operational analysis of data acquisition systems for experimental investigations into heat and mass exchange processes 9—80588
Lauritzen, T., Sah, R.C. The PEP laser surveying system 9—68061
Laurmann, J.A. A small perturbation approximation for stochastic dynamic weather prediction 9—58060
Lauro, C.Di *see* Di Lauro, C.
Lauro, J.F. *see* Grison, P. 9—63726
Laursen, I. *see* Beauvillain, P. 9—61149
Laursen, J., Olsen, J.S. Temperature dependence of the Debye-Waller factor for magnesium measured by energy-dispersive diffractometry 9—51208
Laursen, M., Samuel, M.A. Corrections of the sixth-order anomalous magnetic moment of the muon 9—54371
Laursen, T. *see* Lanford, W.A. 9—87877
Laury-Micoulaut, C. *see* Nguyen-Q-Rieu 9—71043
Laustsen, S. *see* Dennefeld, M. 9—58413
Lautenschlager, G. *see* Muller, C. 9—51480
Lauter, E.A., Grafe, A., Nikutowski, B., Taubenheim, J., Wagner, C.U. Ionospheric PSE-morphology and medium latitude radiation-belt electron pitch-angle diffusion coefficients. A test of the PSE-model 9—88523
Lauter, H.J., Wiechert, H. Measurements of the attenuation of fourth sound in helium II 9—51332
Lauter, H.-J., Wiechert, H. Measurement of the velocity and attenuation of fourth sound in helium II 9—86942
Lauterbach, C. *see* Puchta, H. 9—93650
Lauterbach, M.J. *see* Schmidt, M.P. 9—89146
Lauterbur, P.C. Medical imaging by nuclear magnetic resonance zeugmatography 9—66501
Lauterbur, P.C. *see* Kramer, D.M. 9—66510
Lauterwasser, B.D., Kramer, E.J. Microscopic mechanisms and mechanics of craze growth and fracture 9—83319
Lautrup, B. *see* Field, J.H. 9—85289
Lautzenheiser, C.E. Utility requirements for in-service inspection of nuclear power plants 9—54588
Lauwers, P.G. *see* Higashijima, K. 9—63419
Laux, L. *see* Scanlon, K. 9—93993
Laux, U., von Zahn, U. Longitudinal variations in thermospheric composition under geomagnetically quiet conditions 9—75001
Lauzier, J., Girard, P., Minier, C. Thermal variation of dislocation pinning by point defects created by electron bombardment in copper and silver 9—51150
Lavagna, M. *see* Cyrot, M. 9—78297, 9—90936
Lavagna, M. *see* Desjonqueres, M.C. 9—90938
Lavakare, P.J. *see* Appa Rao, M.V.K. 9—84636
Laval, J.Y. Pretransition phenomena and long-range ordering in non-stoichiometric oxides 9—99151
Laval, J.Y., Westmacott, K.H. Characterization of intercalation compounds by electron inelastic scattering analysis 9—95055
Lavalley, J.-C., Gain, C. Infrared study of the adsorption of acetonitrile on zinc oxide 9—82967
Lavan, M.J. Approximate formula for second-order Rayleigh scattering from N acoustical scatterers 9—81589
Lavaud, M. Improved estimates of general Mayer graphs with N root-points, and applications 9—67222
Lavdanskii, P.A. *see* Belyakov, V.V. 9—71922
Lave, L.B., Seskin, E.P. Epidemiology, causality, and public policy 9—97177
Lavenant, C. *see* Flahaut, J. 9—86757
Lavenda, B.H. On the validity of the Onsager-Machlup postulate for nonlinear stochastic processes 9—67226
Lavenda, B.H. Brownian motion calculus via path integrals 9—67227
Lavenda, B.H., Santamato, E. Symmetry in fast and future and generalized thermodynamic potentials for Markov processes 9—97304
Lavendy, H., Pinchemel, B. Rotational analysis of the $A^2\Sigma^+$-$X^2\Sigma^+$ transition of $^{27}Al^{80}Se$ 9—72325
Lavergnat, G. *see* Tabary, F. 9—53184
Lavergne, A., Whalley, E. Glass windows for hydrostatic pressures of 25 kbar 9—90016
Laverova, V.L. *see* Gorobets, B.S. 9—95829
Lavery, J.P. *see* Miller, C.E. 9—66481, 9—83843
Lavi, N. Rapid determination of scandium by neutron activation analysis, using the short-lived nuclide ^{46m}Sc [in rocks] 9—79356
Lavi, S. *see* Miron, E. 9—54802
Lavigne, P. *see* Otis, G. 9—50332
LaVilla, R.E. Double-vacancy transitions in the copper $K\beta_{1,3}$ emission spectrum 9—59393
LaVilla, R.E. K absorption-edge spectrum of sodium vapor 9—81177
Lavis, D.A., Christou, N.I. A two-dimensional bonded lattice model for water 9—93056
Lavison, P., Dubuisson, B., Gourdon, J. Nonparametric recognition of normal and abnormal behavior in nuclear reactor 9—81044
Lavker, R.M. *see* Tsuji, T. 9—84036
Lavkin, A.G. *see* Vasil'chenko, V.G. 9—97942
LaVopa, P. *see* Cutts, D. 9—85346
Lavrencic, B. *see* Nikolic, P.M. 9—56776
Lavrenko, P.N., Okatova, O.V. Diffusion of poly-p-phenyleneterephthalamide in concentrated sulfuric acid 9—65232
Lavrenko, P.N. *see* Andreeva, L.N. 9—65835
Lavrent'ev, A.I. Relationship of abrasive wear resistance to the physicomechanical properties of materials 9—91804
Lavrent'ev, A.V. *see* Fedoseev, D.V. 9—94479
Lavrentev, F.F., Salita, O.P., Sokolski, S.V. Jump-like plastic deformation and dislocation structure instability in zinc crystals with forest dislocation 9—96094
Lavrent'ev, I.V. Averaging of electromagnetic field equations describing MHD devices at finite values of the magnetic Reynolds number 9—77282
Lavrent'ev, I.V. *see* Anisimov, A.M. 9—77277
Lavrent'ev, O.A. Electromagnetic trap 'Yupiter-2' 9—90446
Lavrent'ev, O.A., Sappa, N.N., Shevchuk, B.A. Plasma losses in a multigap electromagnetic bottle 9—90447
Lavrent'ev, V.V. *see* Voronin, I.V. 9—56067
Lavrentyuk, V.E. *see* Bayunov, V.I. 9—77425
Lavrentyuk, V.E. *see* Lakutin, V.A. 9—50896
Lavrenyuk, V.I. The solution of a three-dimensional quasi-static problem of thermoelasticity for a piecewise-homogeneous body 9—80441
Lavrik, N.L. *see* Skubnevskaya, G.I. 9—50074
Lavrinovich, B.M. Approximate calculation of the transmittance of fiber lightguides 9—55228
Lavrinovich, B.M. Limiting aperture and properties of long fiber lightguides 9—72692

Lavrinovich, B.M., Pecherskaya, K.P. Experiments with dielectric-type hollow light-guides 9—98503

Lavrinovich, P.A. *see* Silyuk, V.F. 9—52608

Lavrishchev, V.P. *see* Kandyba, P.E. 9—56400

Lavrov, A.V., Pospelov, V.A. Mixing of plane laminar relaxing gas jets with radiation taken into account 9—90349

Lavrov, A.V. *see* Linde, S.A. 9—86767

Lavrov, A.V. *see* Palkina, K.K. 9—90623

Lavrov, B.P., Ostrovskii, V.N., Ustimov, V.I. Rotational transitions on excitation of electron states by electron impact 9—76524

Lavrov, B.P., Otorbaev, D.K. Determination of the gas temperature of a low-pressure plasma from the intensities of the H_2 and D_2 molecular bands. I. Rotational structure of the Fulcher band system 9—98986

Lavrov, B.P., Simonov, V.Ya. Anode space-charge sheath in the monoplasmatron and duoplasmatron 9—55576

Lavrov, M.I., Lavrova, N.V. The revision of the photometric elements of TV Cas 9—92808

Lavrov, M.I., Zhukov, G.V. The photometric investigation of the W UMA system V523 Cas 9—92807

Lavrov, V.N. *see* Eliseev, P.G. 9—59834, 9—72570

Lavrova, N.V. *see* Lavrov, M.I. 9—92808

Lavrova, T.D. *see* Ganefeld, R.W. 9—60115

Lavrova, T.I. *see* Nikol'skii, V.V. 9—84971

Lavrova, T.I. *see* Nikol'skiy, V.V. 9—68362

Lavrova, V.L. *see* Ostapenkov, A.M. 9—83855

Lavrovskii, L.A., Morgun, Yu.F., Muravitskii, M.A., Ryzhechkin, S.A. Excitation of dyes by gigawatt monopulse laser radiation 9—55133

Lavrukhin, B.D. *see* Litvinov, V.M. 9—51878

Lavrukhina, A.K., Ustinova, G.K. Absence of effective modulation of galactic cosmic rays in the solar system during the glacial period 9—80129

Lavrukhina, A.K. *see* Kuznetsova, R.I. 9—80114

Lavygin, I.A., Skorokhodov, I.I., Zaitseva, L.Ya., Potashova, G.A., Kleinovskaya, M.A., Blekh, L.M. Physicochemical properties and critical temperatures of methylphenylsiloxanes 9—86830

Law, C.C., Hostetler, J.D., Schulmeister, L.F. Microstructure—Property relations in a machine thixocast Co-base superalloy 9—74244

Law, C.H. *see* Bolton, H.C. 9—61134

Law, C.K., Law, H.K. Thermal-ignition analysis in boundary-layer flows 9—64800

Law, H.D., Nakano, K., Tomasetta, L.R. III-V alloy heterostructure high speed avalanche photodiodes 9—80682

Law, H.D. *see* Tomasetta, L.R. 9—54188

Law, H.K. *see* Law, C.K. 9—64800

Law, J. *see* Johnstone, J.A. 9—85424

Law, M.E. *see* Jonckheere, A. 9—63527

Law, M.I. *see* Constantine-Paton, M. 9—62251

Law, M.L. *see* Eaton, S.S. 9—95647

Law, N.C., Howell, P.R., Edmonds, D.V. Structure of lath martensite and occurrence of retained austenite in as-quenched Fe-V-C low-alloy steels 9—96033

Law, R.J. Determination of petroleum hydrocarbons in water, fish and sediments following the Ekofisk blow-out 9—74559

Lawande, S.V. *see* Puri, R.R. 9—76391

Lawandy, N.M. Temperature dependence of optically pumped far-infrared (FIR) laser output power 9—59674

Lawandy, N.M. Far-infrared lasing in ruby 9—81435

Lawes, G.P., March, N.H. Exact local density method for linear harmonic oscillator 9—92966

Lawler, J.E., Ferguson, A.I., Goldsmith, J.E.M., Jackson, D.J., Schawlow, A.L. Doppler-free intermodulated optogalvanic spectroscopy 9—50169

Lawler, J.E., Parker, J.W., Anderson, L.W., Fitzsimmons, W.A. Experimental investigation of the atomic fluorine laser 9—81410

Lawler, J.E. *see* Goldsmith, J.E.M. 9—89656

Lawler, J.E. *see* Jackson, D.J. 9—76706

Lawler, J.E. *see* Spencer, R.L. 9—94801

Lawless, W.N. Specific heats of lead and cadmium niobates at low temperatures 9—73319

Lawless, W.N., Clark, C.F. Thermal conductivity comparison method based on silicon diode thermometry 9—72792

Lawless, W.N. *see* Radebaugh, R. 9—80624

Lawley, A. Preparation of metal powders 9—66026

Lawley, K.P. *see* Castano, F. 9—86049

Lawlor, L.J., Vasudevan, K., Grein, F. Ab initio studies on the electronic structure of ONF (nitrosyl fluoride) and NOF (nitrogen hypofluorite) 9—76342

Lawn, B.R., Marshall, D.B. Residual stress effects in failure from flaws 9—66228

Lawn, B.R., Marshall, D.B. Hardness, toughness, and brittleness: An indentation analysis 9—100249

Lawn, B.R., Marshall, D.B., Wiederhorn, S.M. Strength degradation of glass impacted with sharp particles. II. Tempered surfaces 9—66183

Lawn, B.R. *see* Arora, A. 9—66147

Lawn, B.R. *see* Marshall, D.B. 9—83300, 9—100245

Lawn, B.R. *see* Wiederhorn, S.M. 9—61760

Lawn, R.M. *see* Fritsch, E.F. 9—70519

Lawniczak, K., Sobczak, E. Applications of the X-ray spectroscopy in studies of the band structure of solids 9—56887

Lawniczak, K. *see* Slebarski, A. 9—91537

Lawrence, C.A. *see* Corden, M.J. 9—75768

Lawrence, D.M. *see* Slavin, S. 9—87888

Lawrence, G.P. *see* Lunsford, J.S. 9—72158

Lawrence, J.K. Gravitational deflection of null radiation by relativistic, spherical masses 9—58600

Lawrence, J.K. The future history of the Universe 9—88770

Lawrence, J.L. X-ray attenuation coefficient for magnesium and aluminium in the range 0.3 to 1.3 Å 9—99979

Lawrence, L.A., Weber, J.W. Performance of Ti-modified Type 316 stainless-steel cladding in mixed-oxide fuel pins 9—67865

Lawrence, L.A., Weber, J.W., Devary, J.L. Effects of stoichiometry on cladding reaction in mixed-oxide fuel at high burnup 9—67859

Lawrence, M.C., Robertson, G.N. The ν_s infrared absorption band profile of isotopically diluted OH groups in crystals 9—69821

Lawrence, M.J. The Department of Energy's spent-fuel storage program 9—63778

Lawrence, P.D. *see* Boyd, D.C. 9—83960

Lawrence, R.D., Dorning, J.J. A nodal Green's function method for multidimensional neutron diffusion calculations 9—59106

Lawrence, R.D., Dorning, J.J. Application of an integral coarse-mesh diffusion method to transients with feedback 9—85585

Lawrence, R.S. *see* Earnshaw, K.B. 9—70893

Lawrence, R.W. *see* Stanley, W.D. 9—80686

Lawrence, W.C. *see* Bolda, F.J. 9—94188

Lawrence, W.E. *see* Cole, L. 9—56114

Lawrence, W.E. *see* Gnanamuthu, D.S. 9—70198

Lawrence, W.St. A phenomenological description of the acoustic emission response in several polycrystalline materials 9—87801

Lawrence, W.St. *see* St. Lawrence, W.

Lawrence Katz, J. *see* Hyo Sub Yoon 9—57837

Lawrie, I.D. Tricritical scaling and renormalisation of ϕ^6 operators in scalar systems near four dimensions 9—58863

Lawrie, L. *see* Salmon, G. 9—88937

Laws, N., McLaughlin, R. The effect of fibre length on the overall moduli of composite materials 9—76977

Lawson, A.E. Comment on 'Cognitive level and college physics achievement' 9—84877

Lawson, D.E., Kulla, J.B. An oxygen isotope investigation of the origin of the basal zone of the Matanuska Glacier, Alaska 9—79884

Lawson, D.R., Winchester, J.W. Sulfur, potassium, and phosphorus associations in aerosols from South American tropical rain forests 9—100910

Lawson, E.M. *see* Tavendale, A.J. 9—63865

Lawson, J.D. Lasers and accelerators 9—72015

Lawson, J.D. *see* Hancox, R. 9—71976

Lawson, P.A. *see* Harmer, D.L. 9—62828

Lawson, R. *see* Latham, A. 9—89168

Lawson, R. *see* Lee, T.-S.H. 9—85551, 9—85553

Lawson, R.D. Nuclear charge dependent interactions in the 1p shell 9—67632

Lawson, R.D. Isospin mixing in ^{19}F 9—93508

Lawson, W.F. *see* Treat, R.P. 9—86128

Lawton, J. Light mode stripping reservoir 9—76835

Lawton, R.A. *see* Young, M. 9—86202

Lawton, R.T., Child, M.S. Local model vibrations of water 9—76414

Lawton, S.A., Richards, J.B., Newman, L.A., Specht, L., DeTemple, T.A. The high-pressure neutral infrared xenon laser 9—86159

Lax, B. Resonance spectroscopy of solids and plasmas 9—61224

Lax, B. *see* Biron, D. 9—60100

Lax, B. *see* Hacker, M.P. 9—55549

Lax, B. *see* Karmendy, C. 9—60162

Lax, B. *see* Loter, N.G. 9—60192

Lax, B. *see* Safran, S.A. 9—61373

Lax, B. *see* Temkin, R.J. 9—60159

Lax, B. *see* Vitins, J. 9—60721, 9—65390

Lax, B. *see* Walukiewicz, W. 9—82983

Lax, B. *see* Weiler, M.H. 9—82963

Lax, B. *see* Woskoboinikow, P. 9—55145

Lax, J.W. *see* Barale, J.J. 9—72186

Lax, M. Spatial distribution of temperature rise induced by Gaussian laser beam 9—69917

Lax, M., Agrawal, G.P., Louisell, W.H. Continuous Fourier-transform spline solution of unstable resonator-field distribution 9—94263

Lax, M. *see* Louisell, W.H. 9—94258

Laxminarayan, S. The calculation of forward and backward waves in the arterial system 9—57697

Lay, G.Le *see* Le Lay, G.

Laybourn, P.J.R. *see* Klemencic, I. 9—64353

Layec-Raphalen, M.N. *see* Dandridge, A. 9—81834

Layec-Raphalen, M.N. *see* Wolff, C. 9—90518

Layer, H.P. Acoustooptic modulator intensity servo 9—98472

Laykhtman, D.L., Vol'tsinger, N.Ye., Rudenko, E.P. On the formation of a quasi-homogeneous layer in the ocean 9—53358

Layter, J. *see* Fancher, D. 9—68148

Layton, M.R., Bucaro, J.A. Optical fiber acoustic sensor utilizing mode-mode interference 9—50553

Layton, R.P., Flynn, C.P. Investigation of hydrogen and oxygen impurities in alkali metals 9—95816

Layzer, D., Rosner, R., Doyle, H.T. On the origin of solar magnetic fields 9—53783

Lazar, I. *see* Abou-Leila, M.A.A. 9—85576

Lazar, I. *see* Einstein, F.S. 9—50194

Lazar, K., Kertesz, K., Csaszar-Gilicze, E., Konczos, G., Horvath, P. Surface reaction rate measurements in metal-gas systems: resistivity relaxation method 9—66355

Lazar, N.H., Carpenter, K.H., Tyson, J.M., Warden, E.S., Moos, H.W. Spatial distribution of impurities and H neutrals in ELMO bumpy torus (EBT) 9—55559

Lazarenko, A.V. *see* Devdariani, A.Z. 9—64097

Lazarenko, A.V. *see* Klyucharev, A.N. 9—76388

Lazarenko, B.A. *see* Baturin, P.I. 9—97473

Lazarenko, B.R., Lazarenko, N.I. Mechanism governing the passage of an electric current through an electrolyte 9—83461

Lazarenko, B.R., Parkanskii, N.Ya., Gitlovich, A.E., Revutskii, V.M. Special features of the interaction of charged particles in electric spark alloying 9—83146

Lazarenko, N.I. *see* Lazarenko, B.R. 9—83461

Lazareth, O. *see* Makowitz, H. 9—85796

Lazareth, O. *see* Vi-Duong Dang 9—52915

Lazareth, O.W. *see* Horn, F.L. 9—85800

Lazarev, A.A. *see* Vinogradov, Ye.A. 9—93168

Lazarev, A.N., Ignat'ev, I.S. Normal coordinates of the hexafluorodisiloxane molecule $F_3SiOSiF_3$ and the structure of the vibrational bands of its siloxane bridge 9—50003

Lazarev, A.N. *see* Ignat'ev, I.S. 9—54994

Lazarev, A.N. *see* Kolesova, V.A. 9—66088

Lazarev, B.G. Superconductivity and powerful magnetic fields 9—87215

Lazarev, E.M. *see* Fedorchuk, N.M. 9—52144

Lazarev, E.M. *see* Kornilova, Z.I. 9—52302

Lazarev, K.I. *see* Makarov, V.A. 9—96164

Lazarev, N.V. *see* Kapchinskij, I.M. 9—71998

Lazarev, P.P., Pleshanov, A.S. Stability of transport processes in continuous media with heat or material sources and sinks 9—94455

Lazarev, S.D. *see* Kikoin, I.K. 9—69559

Lazarev, S.F. *see* Karpov, V.M. 9—97375

Lazarev, V.B., Greenberg, J.H., Popovkin, B.A. Investigation of deviations from stoichiometry by means of tensimetric measurements 9—69258

Lazarev, V.B. *see* Bokii, G.B. 9—60304

Lazarev, Yu.A. *see* Kryukov, P.G. 9—57581

Lazareva, L.P. *see* Rudnevskii, N.K. 9—52859

Lazareva, L.V. *see* Galkina, O.S. 9—69699

Lazareva, T.P. *see* Borisenko, A.I. 9—67801

Lazareva, T.V. *see* Baiburina, S.G. 9—80156, 9—80170

Lazareva, V.T. *see* Blinov, L.M. 9—90530

Lazarevic, Z., Ugrinovic, K. Comparative advantages of the application of the high speed vessel's noise frequency analysis 9—55278

Lazarewicz, A.R. *see* Goins, N.R. 9—80262

Lazarides, E., Revel, J.P. The molecular basis of cell movement 9—100586

Lazarides, G. The effect of statistical fluctuations on confinement and on the vacuum structure of the CP^{n-1} models 9—89101

Lazaruk, A.M. *see* Ivakin, E.V. 9—81476, 9—94191

Lazarus, A.J. *see* Shefer, R.E. 9—80258

Lazarus, D. *see* Pontau, A.E. 9—73333

Lazarus, D. *see* Weil, R. 9—67276

Lazarus, D. *see* Yuhas, M.P. 9—69685

Lazarus, E. *see* Yaakobi, B. 9—54598

Lazarus, H., Lazarus-Mainka, G. On the intelligibility of speech and the threshold of audibility of indistinct sentences with distinct components 9—81647

Lazarus, S.M. *see* Cheng, V.K.C. 9—67804

Lazarus-Mainka, G. *see* Lazarus, H. 9—81647

Lazay, P.D., French, W.G. Control of substrate tube diameter during MCVD preform preparation 9—50463

Lazebnick, J.M. *see* Akselrod, L.A. 9—95577

Lazereva, L.E. *see* Kuznetsov, V.I. 9—80924

Lazerson, A.G., Suchkov, S.G. The effect of an external flow of charged particles on the electric field of acoustical surface waves 9—82432

Lazier, J., Sandstrom, H. Migrating thermal structure in a freshwater thermocline 9—79880

Laz'ko, V.G. *see* Ovsyannikov, B.M. 9—100255

Laznicka, M. Surface analysis of Hg_2Cl_2 9—60607

Laznicka, M. The $L_1L_{23}V$ Coster-Kronig transition in hydrogenated amorphous silicon 9—99992

Lazorenko, V.I., Vereshchak, V.M., Rud', B.M., Paderno, V.N. Phase transitions in lanthanum silicides 9—95281

Lazoryak, B.I. *see* Vasilev, E.V. 9—52020

Lazuchenkov, N.M. *see* Shmukin, A.A. 9—90112

Lazurik, V.T. *see* Volovik, V.D. 9—59307

Lazuta, A.V. Dynamic susceptibility of an impurity spin interacting with unpolarized lattice nuclei 9—69648
Lazutin, L.L. *see* Zhulin, I.A. 9—66738, 9—80081
Lazzareschi, A. *see* Giordano, M. 9—94871
Lazzari, M., Bicelli, L.P., Rivolta, B., La Vecchia, A. Epitaxial growth of antimony electrodeposits on oriented single-crystal surfaces of copper 9—66016
Lazzari, M. *see* Bonino, F. 9—52918
Lazzari, M. *see* Chierchia, S. 9—62394
Lazzari, M. *see* McKechnie, J.S. 9—99873
Lazzari, M. *see* Scrosati, B. 9—100511
Lazzarin, R., Rizzon, E., Sovrano, M., Boldrin, B., Scalabrin, G. Performance predictions of a LiBr absorption air conditioner utilizing solar energy 9—62134
Lazzaro, E. Stochastic heating of an ion beam by lower hybrid waves 9—98933
Lazzaro, E., Mauri, M. Power flow and electron Landau damping of lower hybrid waves in cylindrical plasma 9—94784
Lazzaro, E. *see* Lampis, G. 9—98993
Lazzeretti, P. Geometric approximation to nuclear spin-spin coupling constants in the water molecule 9—59380
Lazzeretti, P., Zanasi, R. On the use of symmetry in first-order perturbed HF theory. II 9—85916
Lazzizzera, I. *see* Bassetto, A. 9—49552
Le Bas, M.J., Handley, C.D. Variation in apatite composition in ijolitic and carbonatitic ingneous rocks 9—57929
Le Berre, P. *see* Van Grunderbeeck, P. 9—66763
Le Bourhis, A. *see* Gourdon, J. 9—76099
Le Bras, G. *see* Jourdain, J.L. 9—74342
Le Brun, M. Digital waveshaping synthesis 9—68526
Le Caer, G., Dubois, J.M. Evaluation of hyperfine parameter distributions from overlapped Mossbauer spectra of amorphous alloys 9—99804
Le Caer, G., Malaman, B., Haggstrom, L., Ericsson, T. Magnetic properties of Fe_3Sn_2. III. A ^{119}Sn Mossbauer study 9—91323
Le Calvez, Y. *see* Gauneau, M. 9—69487
Le Chi Thanh, Depeursinge, C., Levy, F. Photoconductivity induced by polaritons at the band-edge of PbI_2 9—95450
Le Coat, Y. *see* Tronc, M. 9—86077
Le Comber, P.G. Electrical conduction in amorphous semiconductors 9—56214
le Comber, P.G., Spear, W.E., Allan, D. Transport studies in doped amorphous silicon 9—65477
le Comber, P.G. *see* Austin, I.G. 9—61419
Le Comber, P.G. *see* Jones, D.I. 9—60834
Le Comber, P.G. *see* Spear, W.E. 9—60835
Le Contel, J.-M. *see* Auvergne, M. 9—75219
Le Contellec, M., Richard, J., Guivarc'h, A., Ligeon, E., Fontenille, J. Effects of the silicon-to-carbon ratio and the hydrogen content in amorphous SiC thin films prepared by reactive sputtering 9—90906
Le Contellec, M. *see* Favennec, P.N. 9—78184
Le Coz, G. *see* Tuffin, F. 9—81266
Le Dallic, G. *see* Allardyce, B.W. 9—54647
Le Det, M. *see* Aranovitch, E. 9—57457
Le Dimet, F.X., Rosset, R. A Lagrangian scheme of turbulent diffusion: some applications 9—84401
Le Dimet, F.-X., Rosset, R. A Lagrangian scheme of turbulent diffusion 9—53487
Le Dourneuf, M., Vo Ky Lan, Zeippen, C.J. The photoionisation of the $^4S^0$ ground state of atomic nitrogen 9—85909
Le Du, P. *see* Badier, J. 9—93460
Le Duff, J. Design constraints in large e^+e^- storage rings 9—97917
Le Duff, Y. Depolarization factor for gaseous helium 9—82034
le Duff, Y., Chave, A., Dumon, B., Idrissi, H., Thibeau, M. Two-body collision induced light scattering: effect of the spatial extension of the polarizability for conducting spheres 9—98174
Le Duff, Y., Gharbi, A. Induced collisional diffusion for the Rayleigh and ν_1 Raman bands of the isotopic liquid $C^{35}Cl_4$ 9—99895
Le Fever, R.S. *see* De Luca, C.J. 9—92413
Le Flem, G. *see* Amara, M.B. 9—73143
Le Flem, G. *see* Courbin, P. 9—100095
Le Flem, G. *see* Demazeau, G. 9—86760
Le Flem, G. *see* Fava, J. 9—78734
Le Floch, A., Le Naour, R. Theoretical existence and experimental evidence of basculating eigenvectors in a Fabry-Perot 9—63299
Le Gal, H., Grange, Y. Crystal growth by the thermic screen translation (TST) technique; a modified Bridgman method 9—95921
Le Gall, H. *see* Fadly, M. 9—82955
Le Gall, H. *see* Guillot, M. 9—78341, 9—95736
Le Gall, H. *see* Kravtchenko, V.B. 9—65842
Le Gall, H. *see* Picard, J. 9—61039, 9—65841
Le Gall, L., Lauransan, J., Caillet, P., Forel, M.-T. Valence force field of monomeric maleimide 9—81165
Le Goff, J.-J. *see* Faivre, G. 9—69046
Le Goff, P. *see* Valentin, G. 9—60050
Le Grand, J.J. *see* Roussel, J. 9—63882
Le Gressus, C., Massignon, D., Pellerin, F. Characteristic energy loss spectra on Ta and Pt under hydrogen 9—83069
le Gressus, C. *see* Pellerin, F. 9—99997
Le Guyader, J. *see* Corden, M.J. 9—75768
Le Hericy, J. *see* Maneval, J.P. 9—69495
Le Hiep, T. *see* Kartzow, M. 9—59846
Le Jan, Y. Markovian σ-algebras: resolvents and quasi-continuity 9—71229
Le Lann, A., Dubertret, A. A development of Kronberg's model for {10$\bar{1}$2} twins in HCP metals. Extension to {11$\bar{2}$2} twins 9—51119
Le Lay, G. *see* Bertucci, M. 9—90882
Le Marechal, L. *see* Poignant, H. 9—77539
Le May, I. Failure mechanisms and metallography: a review 9—61833
le Meur, G. *see* Brunet, P. 9—72052
Le Meur, R., Berlin, C., Carnet, B., Donguy, R., Rouvier, P. Continuous measurement of the radionuclides in reactor circuits 9—97857
Le Montreer, J.P., Bescos, J., Santamaria, J. Evaluation of the quality of an image intensifier 9—72681
Le Mouel, J.L. *see* Courtillot, V. 9—53579
Le Nagard, N., Collin, G., Gorochov, O. Crystal structure and physical properties of $Cu_{0.65}VS_2$ 9—60334
Le Nagard, N., Katty, A., Collin, G., Gorochov, O., Willig, A. Preparation, crystal structure and physical properties (transport, magnetic susceptibility and NMR) of CuV_2S_4 spinel 9—55714
Le Naour, L. *see* Azam, N. 9—90558
Le Naour, R. *see* Le Floch, A. 9—63299
Le Narvor, A., Saumagne, P. Study by infrared spectroscopy of the action of aprotic solvents on the association of ester water and ester—Ba^{2+}. Discussion of the catalytic role of the solvent and of the Ba^{2+}ion in the alkaline hydrolysis of Methyl propionate 9—87827
le Penven, Y. *see* Evrard, M. 9—83365
Le Postollec, M. *see* Nakashima, S. 9—99878
Le Postollec, M. *see* Toupry-Krauzman, N. 9—61370
le Roux, H. Mechanism for the transformation of β-SiC to turbostratic graphite 9—74150
le Roux, H., Tillwick, D.L. Single domains in heat-treated WC-Co hardmetals 9—73771
le Roux, P.R. The historical growth and development of radiation control in South Africa 9—67134
Le Rouzo, H. On the use of spatial symmetry in atomic-integral calculations: an efficient permutational approach 9—63888
Le Roy, J., Moreau, J.-M., Paccard, D., Parthe, E. Rare-earth (and yttrium)-iridium and-platinum compounds with the Fe_3C structure type 9—69057
Le Roy, J. *see* Paccard, D. 9—69064
Le Roy, P. *see* Clermont, J.R. 9—60028
Le Roy, R.J. *see* Grabenstetter, J.E. 9—89727
Le Sanh *see* Sanh Le
Le Saos, J.P. *see* Le Tareau, J.Y. 9—62611
Le Stang, M. *see* Cecille, L. 9—85812
Le Tareau, J.Y., Mariette, V., Maze, R., Le Saos, J.P. The influence of solar radiation on temperature measurements made with Aanderaa thermistor chains 9—62611
Le Theoff, B. Non-coaxial deformation of elliptical particles 9—79829
Le Toan, T. Identification of rice-growing land from teledetection data 9—96775
Le Toullec, R. *see* Polian, A. 9—95105
Le Traon, A. *see* Pilet, J.C. 9—71480
Le Traon, J.Y. *see* Reddy, K.V. 9—77820
Le Van So *see* Zsinka, L. 9—91938
le Yaouanc, A. *see* Gavela, M.B. 9—49460
Lea, C. Boron inhibition of oxidation on Fe-10%Cr studied by Auger electron spectroscopy 9—61785
Lea, C. *see* Bullock, E. 9—74310
Leach, C.S., Leonard, J.I., Rambaut, P.C., Johnson, P.C. Evaporative water loss in man in a gravity-free environment 9—57779
Leach, G. A future with less energy 9—57348
Leach, J.S. *see* Vagramyan, T. 9—57242
Leach, L.P. LOFT contribution to PWR fuel analysis and testing 9—89437
Leach, M.F., Rubin, G.A. Size analysis of particles of irregular shape from their acoustic emissions 9—61825
Leach, R. *see* Wachter, K. 9—62752
Leach, S. *see* Cossart-Magos, C. 9—50034, 9—89680, 9—89681
Leach, W.M., Jr., Schafer, R.W., Barnwell, T.P., III Time domain measurement of loudspeaker driver parameters 9—59901
Leacock, R.A. Kinematics-free angular momentum trajectories. I. Theory and phenomenology 9—89134
Leacock, R.A., Martin, R.L. Kinematics-free angular momentum trajectories. II. Yukawa-potential numerical examples 9—89135
Leadbetter, A.J., Frost, J., Gaughan, J.P., Mazid, M.A. The structure of the crystal, smectic E and smectic B forms of IBPBAC 9—86780
Leadbetter, A.J., Frost, J.C., Mazid, M.A. Interlayer correlations in smectic B phases 9—77502
Leadbetter, A.J., Gaughan, J.P., Kelly, B., Gray, G.W., Goodby, J. Characterisation and structure of some new smectic F phases 9—86707
Leadbetter, A.J., Mazid, M.A. The crystal and molecular structure of 4,4′di-n-heptyloxyazoxybenzene—a smectic C precursor 9—55732
Leadbetter, A.J., Mazid, M.A., Kelly, B.A., Goodby, J.W., Gray, G.W. Structure of the smectic-B phase and the nature of the smectic-B to -H transition in the N-(4-n-alkoxybenzylidene)-4'-alkylanilines 9—94896
Leadbetter, A.J., Norris, E.K. Distribution functions in three liquid crystals from X-ray diffraction measurements 9—99072
Leadbetter, A.J., Richardson, R.M., Frost, J.C. The dynamics of the crystal S_E, S_B, and S_A phases of IBPBAC 9—86700
Leadbetter, A.J., Wrighton, P.G. Order parameters in S_A, S_C and N phases by X-ray diffraction 9—94874
Leadbetter, A.J. *see* Daniel, M.F. 9—60654
Leadbetter, A.J. *see* Hall, P.G. 9—60643
Leader, E. *see* Kroll, P. 9—85342
Leader, J.C. Intensity fluctuations resulting from partially coherent light propagating through atmospheric turbulence 9—58087
Leader, J.C. Analysis and prediction of laser scattering from rough-surface materials 9—72493
Leahy, D.A., Unruh, W.G. Angular dependence of neutrino emission from rotating black holes 9—88696
Leahy, E.M. *see* Cunningham, J. 9—91998
Leake, B.E. Nomenclature of amphiboles 9—66677
Leake, D. *see* Habal, M.B. 9—92917
Leake, J.A. *see* Greer, A.L. 9—86715
Leal, L.G. The motion of small particles in non-Newtonian fluids 9—60049
Leal, L.G. *see* Chan, P.C.-H. 9—64754
Leal, L.G. *see* Hinch, E.J. 9—68722
Leal, L.G. *see* Lee, S.H. 9—94580
Leal Ferreira, G.F., Carrano de Almeida, L.E. Space-charge hopping and its equivalence with transport via extended states 9—95399
Leal Ferreira, G.F., Tassinari, M. Transition between free and trap modulated mobility 9—82598
Leal Ferreira, G.F. *see* Gupta, H.M. 9—99852
Leali, P.T. *see* Catalano, F. 9—88112
Leamy, H.J., Dirks, A.G. Microstructure and magnetism in amorphous rare-earth-transition-metal thin films. II. Magnetic anisotropy 9—82838
Leamy, H.J., Ferris, S.D., Miller, G.L., Brown, W.L., Celler, G.K. Charge collection microscopy of laser annealed silicon 9—69136
Leamy, H.J. *see* Bean, J.C. 9—56082, 9—69372
Leamy, H.J. *see* Jackson, K.A. 9—69247
Leamy, H.J. *see* Poate, J.M. 9—70365
Leamy, H.J. *see* Rozgonyi, G.A. 9—74027
Leamy, J.H. *see* Barnes, P.A. 9—73585
Lean, E.G., Chen, W.H. Large-angle acoustic-beam steering in acoustically anisotropic crystal 9—98569
Leander, G. *see* Vieu, Ch. 9—49572
Leapman, R.D., Silcox, J. Orientation dependence of core edges in electron-energy-loss spectra from anisotropic materials 9—61478
Leard, M. *see* Guerin, R. 9—80604
Learned, J. *see* Sulak, L. 9—59317
Learned, J.G. Project DUMAND and the trade-offs between acoustic and optical detection 9—80109
Learned, J.G. Acoustic radiation by charged atomic particles in liquids: an analysis 9—89526
Learner, R.C.M. *see* Cundall, R.B. 9—71538
Leary, P.A. *see* Cuomo, J.J. 9—78886
Leary, P.C., Malin, P.E., Phinney, R.A., Brocher, T., VonColln, R. Systematic monitoring of millisecond travel time variations near Palmdale, California 9—57863
Leary, W.P. *see* Lockett, C.J. 9—96722
Leath, P.L. *see* Diehl, H.W. 9—60466, 9—60668, 9—77704
Leath, P.L. *see* Reich, G.R. 9—58643
Leather, J.A. On-line monitoring of surface roughness 9—80576
Leaute, B. Electrostatics in certain axially symmetric static spacetimes 9—49112
Leaux, P. *see* Aknin, J.P. 9—68001
Leavens, C.R., Allen, P.B., Dynes, R.C. The superconducting transition temperature for very large electron-phonon coupling 9—73620
Leavens, C.R., Taylor, R. First principles calculation of the high-temperature thermopower of sodium and potassium 9—65447
Leavens, C.R. *see* Stinson, M.R. 9—60789
Leavens, C.R. *see* Taylor, R. 9—60820
Leaver, B. *see* Janzen, D. 9—75595
Leavitt, R.P. Phenomenological theory of the acoustophotorefractive effect 9—78649
Leavitt, R.P. *see* Esterowitz, L. 9—95836
Lebacqz, J.V., Dudas, A.J., Fowkes, W.R. The tri-rotron 9—68086
Lebarbier, D. *see* Bui Ai 9—67346
Lebeau, C. *see* Pinel, J. 9—60957

Lebech, B., Als-Neilsen, J., McEwen, K.A. X-ray and neutron scattering study of the magnetic structure of neodymium metal 9—73687

Lebech, J. *see* Braune, W. 9—78127

Lebech, J. *see* Saermark, K. 9—51621

Lebech, J. *see* Surma, M. 9—65372

Lebedenko, V.N. *see* Bolozdynya, A.I. 9—54747

Lebedev, A.A., Giginyak, F.F., Bashta, V.V. Cyclic creep of body steels under a complex stress system in the temperatures range 20-400°C 9—91764

Lebedev, A.A., Koval'chuk, B.I., Kul'chitskii, N.M. Experimental investigation of the supporting surface of Kh steel at normal and low temperatures 9—57005

Lebedev, A.A. *see* Bagraev, N.T. 9—90996, 9—95378

Lebedev, A.A. *see* Koval'chuk, B.I. 9—66084, 9—66130, 9—90718

Lebedev, A.A. *see* Vitman, R.F. 9—69294

Lebedev, A.B. Use of concentration-pulsation equation in the calculation of jet-type turbulent flows 9—90300

Lebedev, A.D. *see* Burakov, V.S. 9—90467

Lebedev, A.D. *see* Gladkovskii, I.P. 9—98927

Lebedev, A.I., Strel'nikova, I.A. Nature of the effective radiative recombination centers in GaSb and its solid solutions 9—90998

Lebedev, A.L. *see* Baldin, A.M. 9—72125

Lebedev, A.V. *see* Gol'dshtik, M.A. 9—72938

Lebedev, D.B. *see* Pevzner, B.I. 9—52504

Lebedev, D.P. *see* Gerashchenko, O.A. 9—86539

Lebedev, E.A., Nebauer, E., Suptitz, P. Broadening of electrodiffusion profiles at high electric fields in glassy As_2Se_3:Cu 9—55939

Lebedev, E.A. *see* Kolomiets, B.T. 9—51583

Lebedev, F.V. *see* Abil'siitov, G. 9—94254

Lebedev, F.V. *see* Barkalov, A.D. 9—55584

Lebedev, F.V. *see* Bondarenko, A.V. 9—55582, 9—99010

Lebedev, G.A. *see* Bogorodskii, V.V. 9—88097

Lebedev, G.P. *see* Gerasimenko, N.N. 9—77931

Lebedev, G.T. Directions in increasing the quality, reliability and sensitivity of the luminescent method of airtightness inspection 9—52589

Lebedev, G.T. *see* Zaitsev, A.F. 9—52593

Lebedev, L.M. *see* Kazennov, Yu.I. 9—83327

Lebedev, N.A. *see* Bonch-Osmolovskaya, N.A. 9—75912, 9—75913

Lebedev, N.A. *see* Rikovska, J. 9—59031

Lebedev, O.L. *see* Batashev, S.P. 9—72610

Lebedev, S.V. 'Nontransitive' cylindrical model for a double-focusing plasma-optical mass separator 9—67423

Lebedev, S.V., Titishov, B.N. Stationary plasma source of low-energy ions 9—97469

Lebedev, S.Y., Lysova, G.V. Angular distribution of reflected keV ions under bombardment of single crystals of gold 9—65127

Lebedev, S.Ya. *see* Krotov, V.I. 9—73228

Lebedev, T.S., Orishchenko, I.V., Korchin, V.A. Similarity criteria in comparative analysis of elastic wave propagation velocity under model and natural conditions 9—96742

Lebedev, V.A. *see* Soldatov, E.A. 9—86652, 9—94840

Lebedev, V.A. *see* Yamshchikov, L.F. 9—70041

Lebedev, V.A. *see* Zakharov, L.N. 9—65068

Lebedev, V.D. *see* Bakanov, L.V. 9—75988

Lebedev, V.G. *see* Gilyarov, O.N. 9—50287, 9—50288

Lebedev, V.I., Pavlichuk, T.A., Tomilin, M.G. Influence of controllable liquid-crystal cell on images quality 9—89025

Lebedev, V.I. *see* Akselrod, L.A. 9—95577

Lebedev, V.I. *see* Aleshin, V.I. 9—89340

Lebedev, V.M. Porous vacuum gas accumulators 9—67319

Lebedev, V.M. *see* Kluikov, A.G. 9—71450

Lebedev, V.N. *see* Bashkirov, Sh.Sh. 9—56648, 9—95698

Lebedev, V.N. *see* Golovachik, V.T. 9—49875

Lebedev, V.P. Enhancing the efficiency of spectral analysis for examining the hyperfine structure in the spectra of astronomical objects 9—66930

Lebedev, V.P. *see* Volchkov, E.P. 9—98715

Lebedev, V.V., Barykinskii, G.M. Angular and spectral characteristics of a parametric converter of thermal radiation based on a lithium iodate crystal 9—64282

Lebedeva, L.P. *see* Ukhanov, E.V. 9—75629

Lebedeva, M.F., Aleshin, V.I., Aero, E.L., Kuvshinskii, E.V. Frequency dependence of the rate of growth of fatigue cracks in polymethylmethacrylate 9—74256

Lebedeva, N.B. Significance of mechanical heterogeneities of rocks for formation of flow cleavage 9—57934

Lebedeva, S.B. *see* Polyakova, I.B. 9—92323

Lebedeva, V.N. *see* Airapetov, A.Sh. 9—96030

Lebedeva, V.N. *see* Dudnikova, V.B. 9—96008

Lebedeva, V.V. *see* Afonnikov, N.A. 9—68424

Lebedeva, V.V. *see* Korolev, F.A. 9—55161

Lebedyev, A.N. *see* Guschin, E.M. 9—78855

Lebee, G. *see* Bell, M. 9—93413

Lebenhaft, J.R., Kapral, R. Diffusion-controlled processes among partially absorbing stationary sinks 9—54074

Leber, H.P. *see* Lanz, P. 9—54684

Leberl, F., Bryan, M.L., Elachi, C., Farr, T. Mapping of sea ice and measurement of its drift using aircraft synthetic aperture radar images 9—70809

Leberre, P. *see* Weill, A. 9—66762

Lebertre, T. *see* Bruneau, J.L. 9—72554

Lebiga, V.A., Maslov, A.A., Pridanov, V.G. Experimental investigation of the stability of a supersonic boundary layer on a plate with blunting of the leading edge 9—64688

Lebiga, V.A., Maslov, A.A., Pridanov, V.G. Experimental investigation of the stability of supersonic boundary layer on a flat insulated plate 9—98749

Lebioda, L., Stadnicka, K. Crystal structure and thermal motion of 2,2-dibenzyl-1,3-dibromopropane 9—99173

Leblanc, B. *see* Gagne, J.M. 9—59402

Leblanc, B. *see* Gagne, J.-M. 9—82107

Leblanc, G., Anglin, F. Induced seismicity at the Manic 3 reservoir, Quebec 9—66636

Leblanc, M.A.R., Mattes, H.G. Barriers to flux entry and exit in semi-reversible type II superconductors 9—60963

LeBlanc, M.A.R. *see* Cave, J.R. 9—82728

LeBlanc, M.A.R. *see* Fillion, G. 9—73647

Leblanc, R. *see* Thiebaut, P. 9—77166

Leboeuf, J.N., Tajima, T. Radiation from beam-plasma interaction in the presence of a DC field 9—68932

Leboeuf, J.N., Tajima, T. Enhanced interaction between electrons and large amplitude plasma waves by a DC electric field 9—90420

Leboeuf, J.N., Tajima, T., Dawson, J.M. A magnetohydrodynamic particle code for fluid simulation of plasmas 9—68948

Lebofsky, L.A., Lebofsky, M.J., Rieke, G.H. Radiometry and surface properties of Apollo, Amor, and Aten asteroids 9—75135

Lebofsky, L.A., Rieke, G.H., Lebofsky, M.J. Surface composition of Pluto 9—53768

Lebofsky, M.J. *see* Lebofsky, L.A. 9—53768, 9—75135

LeBon, A., Rofes-Vernis, J., Rossard, C. Recrystallization and precipitation induced by high-temperature deformation of weldable structural steels micro-alloyed with niobium 9—61632

Lebon, G., Mathieu, Ph. A numerical calculation of nonlinear transient heat conduction in the fuel elements of a nuclear reactor 9—93685

Lebowitz, J.L. Exact results in nonequilibrium statistical mechanics: where do we stand? 9—75444

Lebowitz, J.L., Spohn, H. Transport properties of the Lorentz gas: Fourier's law 9—58620

Lebowitz, J.L. *see* Bricmont, J. 9—49171, 9—49172

Lebowitz, J.L. *see* Marro, J. 9—82344

Lebreton, G., Bonnet, G., de Bazelaire, E. Coherent imaging and holographical processing of sonar-Doppler phased-array antennas in the framework of a new 'metaxial' theory of diffracted information transfer 9—72521

Lebreton, J. *see* Bosser, G. 9—50013

LeBritton, J. *see* McCal, D. 9—89154

LeBritton, J. *see* Reece, C. 9—89196

Lebrun, C., Guilbault, F., Ardouin, D., Flynn, E.R., Hanson, D.L., Orbesen, S.D., Rotbard, R., Vergnes, M.N. ^{72,74,76}Ge by the (t,p) reaction 9—54390

Lebrun, C., Hanappe, F., Lecolley, J.F., Lefebvres, F., Ngo, C., Peter, J., Tamain, B. Influence of angular momentum on the mass distribution width of heavy ion induced fission 9—63707

Lebrun, C. *see* Vergnes, M.N. 9—54392

Lebrun, D. *see* Arvieux, J. 9—85512

Lebrun, D. *see* Buenerd, M. 9—71828

Lebrun, J., Candau, S., Letcher, S.V. Mapping of acoustical fields with liquid crystals 9—91402

Lebrun, J.L., Maeder, G., Parniere, P. Influence of the cold rolling reduction on the stored energy in a low carbon steel sheet 9—91731

Lebrun, J.-P. Hamiltonian formulation in generalized linear electrodynamics 9—97543

Lebrun, P. *see* Laeger, H. 9—58706, 9—58758, 9—63234

Lebrun, Ph. *see* Billan, J. 9—72049

Lebsanft, E. The TiFeH(D) system. Structures, phase diagram, thermodynamics, diffusion of hydrogen in TiFeH and preparation methods 9—56963

Lebsanft, E. A high-sensitivity heat flow calorimeter for the investigation of metal-hydrogen reactions 9—67301

Lebsanft, E., Richter, D., Topler, J. Investigation of the hydrogen diffusion in $FeTiH_x$ by means of quasielastic neutron scattering 9—65243

Lebugle, A. *see* Peytavy, J.L. 9—61802

Lebugle, A. *see* Peytavy, J.-L. 9—74097

Lecacheux, A., Harvey, C.C., Boischot, A. Source localization and polarization determination in low frequency satellite radio astronomy 9—70940

Lecacheux, A. *see* Kaiser, M.L. 9—84732

Lecante, J. *see* Duc, T.M. 9—100020

Lecante, J. *see* Thiry, P. 9—74056

Lechanoine, C. *see* Besset, D. 9—63503, 9—67593

Lechner, A., Kneidinger, M., Thim, H.W., Kuch, R., Wernisch, J. Microwave detection with n-GaAs/N-GaAlAs heterojunctions 9—54186

Lechner, H. *see* Ladurner, G. 9—53212

Lechner, H.B. *see* Bauer, G.T. 9—79684

Lechner, R.E. *see* Amoureux, J.P. 9—51021

Lechner, R.E. *see* Brot, C. 9—69038

Lechner, R.E. *see* Smit, J.G. 9—51017

Leci, C.L. *see* Sarig, S. 9—90580

Leck, J.H. Recent developments in the design and operation of small mass spectrometers 9—63322

Leckrone, D.S., Snijders, M.A.J. The ultraviolet flux distribution of α^2 Canum Venaticorum 9—80313

Leclaire, A. Geometry of the nitrate ion in crystalline compounds 9—65045

Leclaire, A. *see* Borel, M.-M. 9—69098

Leclaire, A. *see* Rebbah, A. 9—99138

Leclerc, A. *see* Manoogian, A. 9—60703

Leclerc, A. *see* Tremblay, R.J. 9—68171

LeClerc, J.P. *see* Lecorche, P.R. 9—63770

Leclercq, J.M. *see* Mijoule, C. 9—54776

Leclert, G.P., Karney, C.F.F., Bers, A., Kaup, D.J. Two-dimensional self-modulation of lower hybrid waves in inhomogeneous plasmas 9—90403

Lecloux, A., Pirard, J.P. The importance of standard isotherms in the analysis of adsorption isotherms for determining the porous texture of solids 9—77897

Lecoeur, C. *see* Baze, J.M. 9—54640

Lecoffre, Y., Marcoz, J. Separate-bubble cavitation tests. Control-methods—nucleation measurement by Venturi tube 9—55402

Lecolley, J.F. *see* Lebrun, C. 9—63707

Lecompte, A. *see* Rueda, A. 9—80453

Lecomte, G. *see* Karnezos, M. 9—73695

Lecomte, P. The Lie algebra of infinitesimal automorphisms of the tangent bundle 9—62995

Lecomte, P. *see* Brandelik, R. 9—63491, 9—93441

Lecomte, P. *see* Piccolo, M. 9—93439

Lecomte, P. *see* Rapidis, P.A. 9—75780

Lecomte, R. *see* Desaulniers, G. 9—100556

Leconte, P. *see* Platchkov, S.K. 9—93541

Leconte, U. Inertial system [for photogrammetry] 9—62603

Lecorche, P.R., LeClerc, J.P., Puit, J.C. QA in criticality safety analysis needs experimental studies 9—63770

Lecordier, R. Determination of the isotope shifts of the odd isotopes 123 and 125 of tellurium with regard to the even isotopes 122, 124 and 126 ('odd-even staggering') 9—85936

Lecours, M. *see* Tousignant, B. 9—64446

LeCraw, R.C. *see* Blank, S.L. 9—82844

LeCraw, R.C. *see* Gyorgy, E.M. 9—78120

Lecroart, H. *see* Aknin, J.P. 9—68001

Lecuru, D. *see* de Belleval, J.F. 9—55301

L'Ecuyer, J. *see* St-Jacques, R.G. 9—60412

Ledbetter, D.C. *see* Hestenes, J.D. 9—70599

Ledbetter, H.M. Low-temperature elastic properties of nitrogen-strengthened manganese stainless steels 9—70109

Ledbetter, H.M., Moulder, J.C. Laser-induced Rayleigh waves in aluminum 9—51407

Ledbetter, H.M. *see* Collings, E.W. 9—82795

Ledenev, O.P. Geometric resonance in the intermediate state of superconductors 9—95551

Ledenev, O.P. *see* Shepelev, A.G. 9—87191

Ledenev, V.G. On type II solar radio emission 9—92750

Leder, G. *see* Apel', V.D. 9—67609, 9—89194

Leder, G. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464

Leder, G. *see* Fidecaro, G. 9—85343

Leder, H.J., Czycholl, G. Self-consistent alloy treatment of the periodic Anderson model: Susceptibility and specific heat of intermediate valence compounds 9—99514

Lederer, P. *see* Heritier, M. 9—51368, 9—56032, 9—95228

Lederer, P. *see* Montambaux, G. 9—95244

Lederman, L.M. Dilepton production in hadronic collisions 9—49547

Lederman, L.M. Resonant and continuum dilepton production 9—93365

Lederman, L.M. *see* Jostlein, H. 9—89310

Lederman, S., Celentano, A., Glaser, J. Temperature, concentration, and velocity in jets, flames, and shock tubes 9—68778

Ledet, E.J. GC separation of low-boilers 9—70397

Ledford, A.E., Jr. *see* Bass, A.M. 9—52729

Lediberder, F. *see* Armenise, N. 9—67536

Ledinegg, E. The second-order correlation function of the neutron field in a n-group-diffusion-theory 9—89390

Ledinegg, E. The photon propagator in general electromagnetic cavities 9—93320

Ledinegg, E., Papousek, W., Schnizer, B. Electromagnetic wave propagation in a plasma with a static magnetic field of arbitrary direction 9—68927

Ledinegg, E., Papousek, W., Schnizer, B. Fictitious surface admittance along the lower boundary of the ionosphere for an arbitrary geomagnetic field 9—84565

Ledingham, K.W.D. *see* Baillie, A.D. 9—93557

Ledley, B.G. *see* Sonnerup, B.U.O. 9—58195

Ledley, R.S., Park, C.M., Ray, R.D. Application of the acta-scanner to visualization of the spine 9—88212
Lednev, A.A. *see* Apel', V.D. 9—67609, 9—89194
Lednev, A.A. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Lednicky, R. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Lednitsi, R., Podgoretskii, M.I. Interference of identical particles emitted by sources of different sizes 9—93466
Lednitskii, D.G., Zenkin, G.M. Model investigations of lateral inhibition as a mechanism of detection of movement. II. Modelling return inhibition 9—53127
Lednitskii, R. *see* Abdivaliev, L. 9—93568
Lednyanskii, A.F. *see* Chernyavskaya, S.G. 9—57019
LeDourneuf, M., Schneider, B.I., Burke, P.G. Theory of vibrational excitation and dissociative attachment: an R-matrix approach 9—72228
Ledoux, P. The beginnings of the Universe 9—84931
Ledoux, R. *see* Lister, C.J. 9—93493
Ledov, V.A. Polarization dependence of the quasienergy spectrum of a semiconductor in the field of a strong electromagnetic wave 9—69415
Ledovskoi, V.P., Potsar, N.A., Laska, V.L., Seidowski, E. Superconducting properties of Nb films deposited in a quasi-closed volume 9—91180
Leduc, M. *see* Pinard, M. 9—89918
Ledvin, N.K., Fridman, M.L., Malkin, A.Ya., Vachagin, K.D. Flow of viscoelastic thermoplastic liquids in the profile channels of extrusion heads 9—98780
Lee, A.Y. Effect of void maldistribution on the cryogenic recovery capability of multifilamentary and cabled superconductors 9—59260
Lee, A.Y. *see* Yang, T.F. 9—71960
Lee, B.Ik *see* Ik Lee, B.
Lee, B.W., Jou, L., Mark, P., Yeh, J.L., So, E. Surface composition and characteristics of oxide-free $Ga_{1-x}Al_xAs$ (110) Schottky barriers 9—82661
Lee, B.W.-T., Levine, S.H., Jester, W.A. Study of an optimum design for subcritical neutron multipliers using californium-252 neutron sources 9—59290
Lee, C., Bardeen, W.A. Interaction of massless fermions with instantons 9—71608
Lee, C., Farrington, J.W., Gagosian, R.B. Sterol geochemistry of sediments from the western North Atlantic Ocean and adjacent coastal areas 9—74885
Lee, C. *see* Gagosian, R.B. 9—92549
Lee, C.A., Sharpe, M.R. Spheroidal pyroxenite aggregates in the Bushveld complex—a special case of silicate liquid immiscibility 9—88351
Lee, C.A. *see* Berenz, J.J. 9—51587
Lee, C.C., Tsai, C.S. An acoustooptical readout scheme for integrated optic RF spectrum analyzer 9—50446
Lee, C.C. *see* Jamison, W.E. 9—52379
Lee, C.C. *see* Tsai, C.S. 9—89864
Lee, C.E. Resource conservation of the pebble bed prebreeder 9—49697
Lee, C.E., Apperson, C.E. Calculation of multicomponent time-dependent diffusion with radioactive decay 9—85588
Lee, C.K. *see* Cashdollar, K.L. 9—79438
Lee, C.K. *see* Deakyne, M. 9—66903, 9—80107
Lee, C.M. *see* Yaakobi, B. 9—54598
Lee, C.S. *see* Garner, C.M. 9—87141
Lee, C.S.F., Talbot, L. A fluid-mechanical study of the closure of heart valves 9—53171
Lee, C.W., Kuhn, J.R., Foiles, C.L., Bass, J. Thermopower and magnetothermopower of PtCo 9—65456
Lee, D. *see* Hoffman, E.W. 9—72154
Lee, D.L. A theoretical analysis of surface skimming bulk waves 9—56065
Lee, D.M., Richardson, R.C. Superfluid ^{3}He 9—99388
Lee, D.M. *see* Gould, C.M. 9—55994
Lee, D.N. *see* Park, I.K. 9—66213
Lee, D.O. Contrasts in warming and cooling rates at an urban and a rural site 9—88454
Lee, E.H., Benner, R.E., Fenn, J.B., Chang, R.K. Angular distribution of fluorescence from liquids and monodispersed spheres by evanescent wave excitation 9—51996
Lee, E.H., Rowcliffe, A.F., Kenik, E.A. Effects of Si and Ti on the phase stability and swelling behavior of AISI 316 stainless steel 9—78972
Lee, E.K.C., Lewis, R.S., Miller, R.G. Photochemistry of formaldehydes: past and present 9—52711
Lee, E.K.C. *see* Diem, M. 9—91973
Lee, E.K.C. *see* Molina, L.T. 9—50070
Lee, E.K.C. *see* Tang, K.Y. 9—50075, 9—96344
Lee, E.P.F., Potts, A.W. The HeIIα photoelectron spectra of the barium halides 9—59509
Lee, E.P.F. *see* Potts, A.W. 9—81188
Lee, E.T.P. *see* O'Neil, R.R. 9—66855
Lee, E.W. Crystal-field model of Invar effects in weak and strong ferromagnets 9—56484
Lee, E.W., Teale, R.W. Ferromagnetic resonance in the frozen lattice model 9—51859
Lee, E.W. *see* Abell, J.S. 9—73769, 9—99745
Lee, E.W. *see* Hendy, P. 9—99747
Lee, F., Matos, J., Jimenez, R. Measurements of the soil conductivity 9—96831
Lee, F.Cervantes *see* Cervantes Lee, F.
Lee, F.W. *see* Collins, C.B. 9—87837
Lee, G., Lucas, P., Tyler, A., Vavasour, E. The Benard instability in a ^{3}He/^{4}He mixture 9—56009
Lee, G.F. *see* Cowen, W.F. 9—79418
Lee, G.F. *see* Madigosky, W.M. 9—91866
Lee, G.M. *see* Awschalom, M. 9—79628
Lee, G.M. *see* Curtis, C.D. 9—71989
Lee, H., Salomon, R.E., Labes, M.M. Pyroelectricity due to a space-charge mechanism in a copolymer of acrylonitrile and vinylidene chloride 9—87400
Lee, H. *see* Edwards, R.N. 9—53531
Lee, H. *see* Machida, K. 9—89678
Lee, H.C. $\gamma_{pol}+N\rightarrow\pi^{\pm}+N$ and the hadron weak current 9—93433
Lee, H.C., Chang, C.H., Han, S.H., Park, Y.W., Kim, S.Y. Influence of carbon and silicon to the SDN (degree of normalization) in spheroidal graphite cast iron 9—66114
Lee, H.C., Das Gupta, S. Nuclear shape transitions at finite temperature 9—67644
Lee, H.L. *see* Sata, T. 9—99308
Lee, H.M. Electron density and hydrogen solubility in transition metals 9—51266
Lee, H.W., George, T.F. High-energy approximation for atom-surface elastic scattering 9—65965
Lee, H.W., George, T.F. Energy transfer in gas-surface scattering in the presence of a laser field 9—69941
Lee, H.Y. *see* Smith, T.F. 9—76955
Lee, J. Isotropic and ergodic motion in the three-dimensional homogeneous turbulence 9—50712
Lee, J.C. *see* Crump, M.W. 9—89356
Lee, J.D. *see* Bender, D.J. 9—76124
Lee, J.D. *see* Moir, R.W. 9—71972
Lee, J.G. *see* Miller, P.D. 9—79240
Lee, J.H., Michael, J.V., Payne, W.A., Whytock, D.A., Stief, L.J. Vacuum UV flash photolysis of phosphine: rate of the reaction $H+PH_3$ and implications for the photochemistry of the atmosphere of Jupiter 9—66327
Lee, J.H. *see* Stief, L.J. 9—74360
Lee, J.H. *see* Whytock, D.A. 9—66283
Lee, J.J. Impulse response of a band-limited lossy ionospheric channel 9—84569
Lee, J.K. Reply to 'On the shape of grain boundary grooves at a solid/liquid interface' 9—69114
Lee, J.K., Johnson, W.C., Earmme, Y.Y. Elastic strains and strain energies of precipitates 9—65201
Lee, J.K.P. *see* Singh, B. 9—67649
Lee, J.L. Proposed plans for the use of soluble nuclear absorbers at the Idaho Chemical Processing Plant 9—85730
Lee, J.M.F. *see* Khan, F.M. 9—62351
Lee, J.N. *see* Berg, N.J. 9—55079, 9—55080, 9—72515, 9—94328
Lee, J.S. *see* Moon, I.H. 9—95967
Lee, J.S. *see* Savilonis, B.J. 9—98792
Lee, J.Y. *see* Caspi, S. 9—61633
Lee, K. *see* Chen, M. 9—78900
Lee, K. *see* Heiman, N. 9—95616
Lee, K. *see* Terzieff, P. 9—56577, 9—87295
Lee, K.C. Aerodynamic interaction between two spheres at Reynolds numbers around 10^4 9—81946
Lee, K.C., Trullinger, S.E. Generalized susceptibility of a solitary wave 9—75357
Lee, K.F. *see* Gibbons, J.F. 9—90894
Lee, K.H., Crawford, J.H., Jr. Luminescence of the F center in sapphire 9—73990
Lee, K.H. *see* Holmberg, G.E. 9—73809
Lee, K.H. *see* White, G.S. 9—91468
Lee, K.J. *see* Chen, Y.M. 9—57094
Lee, K.S. *see* Anand, R. 9—83169
Lee, K.T. *see* Bowman, J.M. 9—79230
Lee, K.W., Reed, L.D., Gieseke, J.A. Pressure drop across packed beds in the low Knudsen number regime 9—50792
Lee, L.C., Slanger, T.G. Atmospheric OH production—the $O(^1D)+H_2O$ reaction rate 9—58009
Lee, L.C., Smith, G.P. Photodissociation cross sections of Ne_2^+, Ar_2^+, Kr_2^+, and Xe_2^+ from 3500 to 5400 Å 9—81243
Lee, L.C., Smith, G.P., Moseley, J.T., Cosby, P.C., Guest, J.A. Photodissociation and photodetachment of Cl_2^-, ClO^-, Cl_3^- and $BrCl_2^-$ 9—64060
Lee, L.C. *see* Freund, H.P. 9—64838
Lee, L.C. *see* Kan, J.R. 9—96860
Lee, L.C. *see* Smith, G.P. 9—98170
Lee, L.C. *see* Wu, C.S. 9—70900
Lee, L.C. *see* Wu, C.Y.R. 9—94041
Lee, L.-H., Weser, J.E. A two-step decay scheme for triboelectricity of polymeric developers 9—80711
Lee, L.-K., Ruthven, D.M. Kinetics of sorption in bi-porous molecular sieves, I. Mathematical models for systems with rectangular equlibrium isotherm 9—87872
Lee, L.-K., Yucel, H., Ruthven, D.M. Kinetics of adsorption in bi-porous molecular sieves. II. Comparison of theory and experiment for batch systems 9—87873
Lee, L.L., Jr. *see* Bond, P.D. 9—67734
Lee, M. *see* Dunn, K.J. 9—52352
Lee, M. *see* Eldridge, J.M. 9—79150
Lee, M. *see* Shirachi, D. 9—83770
Lee, M.A., Reich, C.W. Nuclear data sheets for A=159 9—93488
Lee, M.H., Banerjee, S., Dekeyser, R. A model for hydrogen diffusion in a metal at low temperatures 9—55941
Lee, M.H., Lee, W.Y. Magnetic and corrosion properties of UHV-deposited $Fe_{1-x}Pd_x$ thin films 9—56574
Lee, M.H. *see* Banerjee, S. 9—73338
Lee, M.H. *see* Dekeyser, R. 9—54071
Lee, M.H. *see* Kim, I.M. 9—87275
Lee, M.H. *see* Lee, W.-Y. 9—100286
Lee, M.H. *see* Oh, S.K. 9—95596
Lee, M.J. *see* Chao, A.W. 9—72208
Lee, M.J. *see* Close, E. 9—72098
Lee, M.J.G. *see* Perz, J.M. 9—77985
Lee, M.J.G. *see* Reifenberger, R. 9—74068
Lee, M.J.G. *see* Ruesink, W. 9—65364
Lee, M.K. *see* Brown, G.C. 9—74486
Lee, M.M. *see* Anwar Chaudri, M. 9—57311
Lee, M.W. *see* Gotz, D. 9—90770
Lee, N. *see* Keesee, R.G. 9—100909
Lee, N.G. Elastic Green's function for an infinite half-space of a hexagonal continuum with its basal plane as surface 9—63038
Lee, P. *see* Fenimore, E.E. 9—60189
Lee, P. *see* van Hulsteyn, D.B. 9—60193
Lee, P.A. Real-space scaling studies of localization 9—65416
Lee, P.A., Rice, T.M. Electric field depinning of charge density waves 9—73454
Lee, P.C.Y., Zee, C., Brebbia, C.A. Thickness-shear, thickness-twist, and flexural vibrations of rectangular AT-cut quartz plates with patch electrodes 9—55295
Lee, P.P.K., Waag, R.C. Spectral analysis of pulsed ultrasound for blood flow measurement in the presence of noise 9—57705
Lee, R. *see* Almenas, K. 9—85722
Lee, R.C., McGill, N.C. Variational calculation of the electron density and potential in a thin metal film 9—78218
Lee, R.C., Scheetz, R.A. A distributed processing data acquisition system at Brookhaven National Laboratory 9—89532
Lee, R.L. Microfabrication by ion-beam etching 9—78807
Lee, R.N. *see* Miller, D.F. 9—74575
Lee, R.N. *see* Withers, R.S. 9—49362
Lee, R.S. *see* Indira, P.A. 9—49608
Lee, R.W. Effect of fine-structure splitting on the shape of the Lyman α line profile of high-z emitters in ultra dense plasmas 9—64912
Lee, R.W. The temperature dependence of demagnetization of $MM_{1-x}Sm_xCo_5$ 9—78440
Lee, S., Kim, Y.S. Study of the Ar-N_2 interaction. II. Modification of the electron gas model potential at intermediate and large distances 9—72385
Lee, S. *see* Rumble, E. 9—93731
Lee, S.A., White, J.M., Noyes, W.A., Jr. Behaviour of benzene in low vibrational levels 9—64035
Lee, S.H., Chadwick, R.S., Leal, L.G. Motion of a sphere in the presence of a plane interface. I. An approximate solution by generalization of the method of Lorentz 9—94580
Lee, S.H. *see* Athale, R.A. 9—94364
Lee, S.H. *see* Cederquist, J. 9—55062, 9—76870
Lee, S.H. *see* Goldberg, L. 9—76877
Lee, S.H. *see* Leger, J.R. 9—94174
Lee, S.J. *see* Kawasaki, M. 9—98169
Lee, S.J. *see* Poa, S.-P. 9—96430
Lee, S.-J. *see* Kawasaki, M. 9—52718
Lee, S.M. *see* Freeman, R.M. 9—93492
Lee, S.-M. *see* Takahashi, T. 9—58029
Lee, S.W. *see* Deschamps, G.A. 9—50197
Lee, S.-Y. Backward glory in heavy ion scattering 9—71866
Lee, T.C. Optical joint Fourier transform processing with the thermoplastic device 9—72512
Lee, T.C., Rebholz, J., Tamura, P. Dual-axis joint-Fourier-transform correlator 9—59649
Lee, T.D. Feynman rules of quantum chromodynamics inside a hadron 9—63425
Lee, T.D., Goldenberg, T., Hirth, J.P. Effect of hydrogen on fracture of U-notched bend specimens of spheroidized AISI1095 steel 9—52363
Lee, T.D., Goldenberg, T., Hirth, J.P. Effect of hydrogen on fracture of U-notched bend specimens of quenched and tempered AISI 4340 steel 9—61716
Lee, T.N. Initial observations of current, temperature and coastal sea level response to atmospheric and Gulf Stream forcing on the Georgia Shelf 9—70804
Lee, T.P. *see* Campbell, J.C. 9—63304
Lee, T.S., Chiotti, P., Mason, J.T. Phase relations in the uranium-mercury system 9—91624
Lee, T.S. *see* Chiotti, P. 9—91625
Lee, T.S. *see* Efird, K.D. 9—91838

Lee, T.-S.H., Kurath, D., Lawson, R. Pion-nucleus inelastic scattering and the nuclear shell model 9—85553

Lee, T.-S.H., Kurath, D., Lawson, R., Chakravarti, S. Extensive momentum-space DWIA studies of pion-nucleus inelastic scattering 9—85551

Lee, T.-S.H. *see* Betz, M. 9—85417

Lee, T.-S.H. *see* Olmer, C. 9—93667

Lee, T.Y.R., Taylor, R.E. Thermal diffusivity of dispersed materials 9—55943

Lee, W. *see* Atiya, M.S. 9—80831

Lee, W. *see* Coteus, P. 9—63468

Lee, W. *see* Eldridge, J.M. 9—79150

Lee, W.C.Y. An approximate method for obtaining rain rate statistics for use in signal attenuation estimating 9—70840

Lee, W.S. *see* Schulman, J.M. 9—89689

Lee, W.S. *see* Yu Mung Shih 9—61139

Lee, W.W., Nevins, W.M., Okuda, H., White, R.B. Unstable drift waves in a sheared magnetic field 9—86574

Lee, W.W. *see* Okuda, H. 9—64903

Lee, W.Y. *see* Lee, M.H. 9—56574

Lee, W.-Y., Scherer, G., Eldridge, J.M., Lee, M.H., Geiss, R.H. Oxidation and corrosion studies of $Fe_{1-x}Pd_x$ films 9—100286

Lee, Y. *see* Chen, W.J. 9—67814

Lee, Y. *see* Kim, A.K. 9—59117

Lee, Y.C. Superradiance in solid state physics 9—51988

Lee, Y.C., Lin, D.L. Wannier excitons in a thin crystal film 9—69426

Lee, Y.C., Ram, M., Mei, W.N. Pulse scattering from two-dimensional crystals 9—60218

Lee, Y.C. *see* Chen, H.H. 9—80450

Lee, Y.C. *see* Mei, W.N. 9—82399

Lee, Y.K. *see* McClintock, J.A. 9—89767

Lee, Y.T. Effect of target distortion on electron detachment differential cross section for H^-+He and H^-+H collisions 9—59562

Lee, Y.T., Chen, J.C.Y. Differential cross sections for the production of H atoms in collisional electron detachment of H^- ions on He, H, and H_2 targets 9—59561

Lee, Y.T., Okrent, D., Apostolakis, G. A comparison of background seismic risks and the incremental seismic risk due to nuclear power plants 9—70757

Lee, Y.T. *see* Becker, C.H. 9—68288, 9—81255, 9—89748

Lee, Y.T. *see* Buss, R.J. 9—74388

Lee, Y.T. *see* Sudbo, A.S. 9—76476

Lee, Y.T. *see* Tiedemann, P.W. 9—89622

Lee, Y.Y. *see* Coteus, P. 9—63468

Lee, Y.Y. *see* Weng, W.T. 9—76188

Lee Chi-Yuan *see* Chi-Yuan Lee

Lee Chien-Er *see* Chien-Er Lee

Lee Chin Ok *see* Chin Ok Lee

Lee Chong Mu *see* Chong Mu Lee

Lee Chong-Won *see* Chong-Won Lee

Lee Choong Woong A study on observation techniques of physiological signal by polyphase envelope detection 9—66565

Lee Choonkyu *see* Choonkyu Lee

Lee Chul Chu *see* Chul Chu Lee

Lee Dong Nyung *see* Dong Nyung Lee

Lee Hamilton, C. *see* Hafner, G.W. 9—88093

Lee Han-Sheng *see* Han-Sheng Lee

Lee Ho-Lun *see* Ho-Lun Lee

Lee Jae Koo *see* Jae Koo Lee

Lee Jiin-lang *see* Jiin-lang Lee

Lee Kai Fong *see* Kai Fong Lee

Lee Key Soon *see* Key Soon Lee

Lee Kuo-ching, Sung Cheng-shan Some correlations of atmospheric circulation between the Tibetan Plateau and low latitude areas 9—74937

Lee Kuo-ching *see* Chou Ming-yu 9—84415

Lee Kyoon Ha *see* Hong Seung Hong 9—66583

Lee Lih-Syng *see* Lih-Syng Lee

Lee Sang Hoon *see* Sang Hoon Lee

Lee Tien-Chang *see* Tien-Chang Lee

Lee Ven-Chung *see* Ven-Chung Lee

Lee Wai-Hon *see* Wai-Hon Lee

Lee Weiliang *see* Chao Jiping 9—84446

Lee Wen-Yaung *see* Wen-Yaung Lee

Lee Wook Bae *see* Wook Bae Lee

Lee Yang Sung *see* Yang Sung Lee

Lee Ying-Hua *see* Ying-Hua Lee

Lee Yum Tong *see* Yum Tong Lee

Lee Yung-Chang *see* Yung-Chang Lee

Lee-Tzuu Chang Attenuation correction and incomplete projection in single photon emission computed tomography 9—66532

Lee-Whiting, G.E. Bosi's method for solving Laplace's equation 9—68347

Lee-Whiting, G.E. *see* Bartholomew, G.A. 9—68130

Leeb, H., Eder, G. A new type of parameter systematics for proton-nucleus scattering 9—93630

Leeb, W.R., Schiffner, G., Scheiterer, E. Optical fiber gyroscopes: Sagnac or Fizeau effect? 9—72669

Leeb, W.R. *see* Schiffner, G. 9—81513

Leece, S.H. Function stress testing in large-scale optical multifilm manufacturing 9—81576

Leech, J.W. *see* Grout, P.J. 9—73269

Leehey, P. *see* Chang, Y.M. 9—94399

Leela Kar *see* Mitra, G.B. 9—78625

Leeman, S. Filter gain in reconstruction tomography 9—83919

Leeman, S. *see* Hedges, M.J. 9—96609

Leeman, W.P. Partitioning of Pb between volcanic glass and coexisting sanidine and plagioclase feldspars 9—74867

Leemann, B.T. *see* Alonso, J.R. 9—72168

Leemann, C. Prospects for high energy heavy ion accelerators 9—68010

Leemann, C.W. *see* Behrsing, G.U. 9—54661

Leenders, L.H.G. Amplification processes in photochemical unconventional systems 9—61882

Leenhouts, F., de Jeu, W.H., Dekker, A.J. Physical properties of nematic Schiff's bases 9—99057

Leenhouts, F., Dekker, A.J., de Jeu, W.H. Molecular structure and elastic constants of nematic liquid crystals 9—77512

Leenhouts, F., Roebers, H.J., Dekker, A.J., Jonker, J.J. Relation between elasticity and molecular structure of nematic liquid crystals 9—90711

Leeper, H.F., Copenhagen, D.R. Mixed rod-cone responses in horizontal cells ofsnapping turtle retina 9—79533

Leeper, R.J. *see* Johnson, D.J. 9—93851

Leer, B.van *see* van Leer, B.

Lees, A.J. *see* Gardiner, D.J. 9—50018

Lees, D.E. *see* Schuette, W.H. 9—92423

Lees, D.G. *see* Calvert, J.M. 9—87912

Lees, E.W., Patrick, B.H., Lindley, S. The $^{238}U(\gamma,\alpha)$ and $^{238}U(n,\alpha n')$ reactions-have they really been observed? 9—85457

Lees, E.W., Patrick, B.H., Lindley, S. A search for the $^{238}U(\gamma,\alpha)^{234}Th$ and $^{238}U(n,\alpha n')^{234}Th$ reactions and measurements of the $^{60}Ni(n,p)^{60}Co$ and $^{62}Ni(n,\alpha)^{59}Fe$ cross-sections at 14.7 MeV neutron energy from associated monitor foils 9—85458

Lees, R.M., Young, C., van der Linde, J., Oliver, B.A. Infrared-microwave double resonance observations on a CH_3OH transition pumped by the 9.4 P(16) CO_2 laser line 9—64024

Lees, S., Cleary, P.F., Heeley, J.D., Gariepy, E.L. Distribution of sonic plesio-velocity in a compact bone sample 9—96611

Leese, J.G., Horton, G.K. Two-phonon Raman scattering of light in rare gas crystals 9—56783

Leese, J.G., Horton, G.K., Cowley, E.R. Two-phonon Raman scattering of light in argon at low temperatures 9—87433

Leese, J.M. The insulating stack for the NSF tandem accelerator 9—67993

Leet, G.O. *see* Smith, D.C.G. 9—97779

Leete, N.B. *see* Mai, Y.W. 9—100273

Leeuw, D.M.De *see* De Leeuw, D.M.

Leeuw, J.M.Warmerdam-De *see* Warmerdam-De Leeuw, J.M.

Leeuw, Ph.E.van der *see* van der Leeuw, Ph.E.

Leeuw, Ph.E.Van Der *see* Van Der Leeuw, Ph.E.

Leeuw, S.W.de *see* de Leeuw, S.W.

Leeuw, S.W.De *see* De Leeuw, S.W.

Leeuwen, F.Van *see* Van Leeuwen, F.

Leeuwen, H.P.van *see* van Leeuwen, H.P.

Leeuwen, J.M.J.van *see* van Leeuwen, J.M.J.

Leeuwen, J.M.J.Van *see* Van Leeuwen, J.M.J.

Leeuwen, K.A.H.van *see* van Leeuwen, K.A.H.

Leeuwen, W.A.van *see* van Leeuwen, W.A.

Leevers, P.S., Culver, L.E., Radon, J.C. Fatigue crack growth in PMMA and rigid PVC under biaxial stress 9—70144

Lefaucheux, F., Robert, M.C., Arend, H. Crystal quality of gel grown $CaHPO_4$, $2H_2O$ crystals 9—87572

Lefebvre, G., Notin, M., Hilger, J.P., Hertz, J. Solid electrolyte measurement cell using one or two point electrodes in the transition region. I. Application to measure the standard free enthalpies of oxidation for pure metals 9—61867

Lefebvre, G. *see* Notin, M. 9—61868

Lefebvre, J. *see* Damien, J.C. 9—51222

Lefebvre, J.M. *see* Aknin, J.P. 9—68001

Lefebvre, S., Bley, F., Bessiere, M., Fayard, M., Roth, M. Short range order determination in a single crystal Ni_3Fe 9—96044

Lefebvre-Brion, H. *see* Robbe, J.M. 9—59369

Lefebvres, F. *see* Lebrun, C. 9—63707

Lefebyre, Y. *see* Pinchemel, B. 9—98115

Lefeuvre, F., Delannoy, C. Analysis of random electromagnetic wave field by a maximum entropy method 9—68926

Lefever, R. *see* Kitahara, K. 9—58638

Lefever, R.A. *see* Chang, C.E. 9—66002

Lefever, R.A. *see* Chen, P.S. 9—74074

Lefevre, H.W. Progress in space charge lens development 9—68071

Lefevre, H.W. *see* Overley, J.C. 9—51131

LeFevre, J.P. *see* Bernas, M. 9—67661

Lefevre, J.-P. *see* Tousignant, B. 9—64446

Lefevre, P. *see* Delahaye, J.P. 9—76192

Leff, H.S. *see* Curzon, A.E. 9—58477

Leffel, C.S. *see* Wingate, C.A. 9—54139

Leffers, T. The shortcomings of the Taylor model in the description of the plastic deformation of real polycrystals 9—90720

Leffers, T. The origin of the FCC rolling-texture component with {111} parallel to the rolling plane 9—91674

Leffers, T. *see* Gangli, P. 9—87656

Leffler, A.J., Weinstein, D.I. Considerations in the use of solid-solid phase transitions for thermal energy storage 9—57480

Leffler, J.A. *see* Blotcky, A.J. 9—52847

Leffova, S. Solar heating 9—70431

Lefik, W. *see* Plonka, A. 9—52692

Lefkowitz, I. *see* Kwon, Y.S. 9—76806

Leflar, J.A. *see* Duff, W.S. 9—61949

Lefler, W. *see* Brogli, R. 9—85792

Leflon, G. *see* Vie, M.C. 9—57765

Leforestier, C. *see* Salem, L. 9—60700

Lefort, M.F. *see* Vera, J.C. 9—62312

Lefort, P., Desmaison, J., Billy, M. Behavior of cubic δ niobium nitride in oxygen atmosphere 9—66184

Lefort, P. *see* Desmaison, J. 9—61766

Lefranc, G., Muller, A., Nachtrieb, K. Shielding with superconducting tubes made of niobium-tin sinter material 9—67446

Lefrancois, G. *see* Viger, C. 9—87173

Lefrancois, J. *see* Badier, J. 9—93460

Lefrant, S., Rzepka, E. Raman study of V-centres in X-irradiated KI 9—91429

Lefrant, S. *see* Rzepka, E. 9—73943

Legare, P., Holl, Y., Maire, G. An ELS, AES and LEED study of the interaction of O_2 with Pd (111) surface 9—86985

Legasev, V.A., Ponomarev-Stepnoi, N.N., Protsenko, A.N., Chernilin, Yu.F., Grebennik, V.N., Stolyarevskii, A.Ya. Prospects of the utilization and the basic problems of the introduction of HTGR in technological processes and electric power generation 9—97886

Legasov, V.A., Vakar, A.K., Denisenko, V.P., Maksimov, G.P., Rusanov, V.D., Fridman, A.A., Sholin, G.V. Plasma radiolysis of carbon dioxide gas by a high-current beam of relativistic electrons 9—91947

Legatt, A.D. *see* Arezzo, J. 9—96533

Legault, J. *see* Ghali, E. 9—95172

Legendre, N. *see* Metivier, H. 9—92302

Legendre, R. Noise generated aerodynamically 9—77090

Legendre, R.G. Noise generated aerodynamically 9—81867

Legendziewicz, J., Bukietynska, K., Kopaczynska, Z., Jezowska-Trzebiatowska, B. Spectra and structure of solvates of lanthanide perchlorates in solvents with high dielectric constant 9—65860

Leger, A. *see* de Cheveigne, S. 9—65331

Leger, J.R., Lee, S.H. Coherent optical implementation of generalized two-dimensional transforms 9—94174

Leger, L. *see* Hervet, H. 9—77789

LeGeros, R.Z., Legros, R., Bonel, G. On the dehydration of type B carbonate apatites containing sodium 9—66264

Legge, G.E. Spatial frequency masking in human vision: binocular interactions 9—83787

Legge, H. *see* Boettcher, R.D. 9—94668

Legge, J.C., Robinson, M.C., Shapiro, M.M. Capacitance determination of the area thermal expansion of dielectric crystals 9—80573

Legge, R., Baghdadi, A., Gurtler, R., Sopori, B. Properties of rapidly-grown RTR silicon sheet and their effects on solar cell processing 9—100048

Leggett, A.J. Prospects in ultralow temperature physics 9—65268

Legkii, V.M. Heat exchange in the initial section of a pipe with laminar flow in the boundary layer and a constant wall temperature 9—86432

Legnini, D.G. *see* Smedskjaer, L.C. 9—91523

LeGouet, J.L. *see* Cahuzac, P. 9—93954

Legrain, R., Cassagnou, Y., Julien, J., Roussel, L., Fonte, R., Palmeri, A., Gadioli, E., Gadioli Erba, E. Neutron spectra from $(\pi,n\gamma)$ coincidence experiments with pions stopped on ^{28}Si 9—85499

Legrand, D. *see* Alkhazov, G.D. 9—75883, 9—80938

Legrand, D.G. Small-angle X-ray scattering from block polymer micelles 9—69003

Legrand, E. *see* Wegener, W. 9—51022, 9—78361

Legrand, J.C., Ben-Aim, R.I. Nucleation of carbon black particles during the pyrolysis of acetylene 9—52648

Legros, J.C., Wesfreid, J., Platten, J.K. Study of pretransitional induced Benard convection by two-dimensional numerical experiments 9—68703

Legros, R. *see* LeGeros, R.Z. 9—66264

Legros-de Mauduit, B., Alcouffe, G., Remon Sancho, A., Rocher, A. Contrast simulation of dislocations in antimony 9—60374

Legros-de Mouduit, B. *see* Alcouffe, G. 9—66120

Legvold, S. Heisenberg exchange in heavy rare-earth alloys 9—61103

Legvold, S. *see* Petersen, T.S. 9—78080

Leh, W.H. The Novaya Zemlya effect: an arctic mirage 9—80022

Lehar, F. *see* Bystricky, J. 9—85324

Lehar, F. *see* Fujisaki, M. 9—49542, 9—58974, 9—63521

Leheny, R.F., Shah, J., Fork, R.L., Shank, C.V., Migus, A. Dynamics of hot carrier cooling in photo-excited GaAs 9—99583
Leheup, E.R., Moon, J.R. Electrical conductivity changes during compaction of pure iron powder 9—66175
Lehm, R. *see* Citron, A. 9—81113
Lehman, D.R. *see* Gibson, B.F. 9—63622
Lehman, D.R. *see* Harper, E.P. 9—67639
Lehman, E. *see* Chen, K.W. 9—67983
Lehman, T. *see* Helrich, C. 9—62956
Lehmann, C. Structure and vibrational behavior of interstitial atoms in metals: an air table demonstration 9—71186
Lehmann, Ch. *see* Kneis, W. 9—54709
Lehmann, E. *see* Berger, C. 9—49519
Lehmann, G. Ligand-metal overlap as source of intensity for ligand field and charge transfer transitions 9—87067
Lehmann, G. *see* Sachs, H. 9—56607
Lehmann, G. *see* Schmitz, B. 9—69873, 9—80658
Lehmann, H.-R., Zimmermann, G. AUOS-MAGIK in orbit 9—88562
Lehmann, H.W. *see* Knop, K. 9—90008
Lehmann, J. *see* Morl, K. 9—91517
Lehmann, L. *see* Fischer, Th. 9—75782
Lehmann, L. *see* Hurster, W. 9—67571, 9—75784
Lehmann, L. *see* Kleinschmidt, M. 9—75785
Lehmann, W., Zahn, G. Safety aspects for LHe cryostats and LHe transport containers 9—58730
Lehmann, W. *see* Bauer, W. 9—72140
Lehmann, W. *see* Breitling, W. 9—51779
Lehmann, W. *see* Herz, W. 9—58707
Lehmann, W. *see* Macco, F. 9—51945
Lehmpfuhl, G. *see* Ueda, K. 9—60234
Lehner, F.K. A derivation of the field equations for slow viscous flow through a porous medium 9—94711
Lehner, N. *see* Schroder, B. 9—61237
Lehnigk, S.H. Conservative solutions of one-dimensional nonlinear distribution processes with drift 9—49179
Lehr, P. *see* Chappuis, G. 9—52214
Lehr, T., Birks, J.W. Monte Carlo quasiclassical trajectory study of the collision-induced dissociation of hydrogen by neon 9—74357
Lehrach, F. *see* Grigoleit, H.-G. 9—79583
Lehrer, M., Karmen, A. Rapid analysis of therapeutic drugs in blood by chemical ionization mass spectrometry 9—57317
Lehri, S., Verma, M.P. Phonon dispersion in rare gas solids 9—55840
Lehringer, F.J. The influence of vision on the auditory direction when presenting speakers in teleconferences 9—72762
Lehto, A. *see* Harjunmaa, H. 9—58786
Lehwald, S., Erley, W., Ibach, H., Wagner, H. Dehydrogenation of acetylene on a stepped nickel surface 9—52752
Lehwald, S. *see* Erley, W. 9—73406
Lei, G. *see* Racano, R. 9—64619
Lei Lin *see* Lin Lei
Lei Yu-shun A method for analysing and forecasting the local severe storms in summer using the theory of instability energy 9—84450
Leibovich, S. Waves in parallel or swirling stratified shear flows 9—86446
Leibowitz, E. Universe admitting symmetric vectors 9—71166
Leibowitz, E.M., Mazeh, T., Amitai-Milchgrub, A., Shaham, J. SS 433 9—67023
Leibowitz, E.M., Mazeh, T., Sternberg, A. SS 433 9—101165
Leibowitz, H.W. *see* Post, R.B. 9—53131
Leibowitz, J.R. *see* Rayne, J.A. 9—65522
Leibowitz, J.R. *see* Wilt, M.C. 9—56390
Leibowitz, L. *see* Heiberger, J.J. 9—59172
Leichenko, A.I., Popolitov, V.I., Peskin, V.F., Lobachev, A.N., Bush, A.A., Venevtsev, Yu.N. Dielectric and pyroelectric properties of new compound potassium stibioniobate 9—99841
Leichenko, A.I., Popolitov, V.I., Peskin, V.F., Lobachev, A.N., Venevtsev, Yu.N. Growth and pyroelectric and ferroelectric properties of pure and doped $SbNbO_4$ single crystals 9—73886
Leichenko, A.I. *see* Bush, A.A. 9—51913
Leidenfrost, W., Korenic, B. Analysis of evaporative cooling and enhancement of condenser efficiency and of coefficient of performance 9—72781
Leiderer, P., Wanner, M. Structure of the dimple lattice on liquid ^{4}He 9—99380
Leiderer, P., Wanner, M., Schoepe, W. Ions at the critical interface of ^{3}He-^{4}He mixtures 9—65285
Leiderman, A.V. *see* Krivenko, T.A. 9—51956
Leidheiser, H., Jr., Czako-Nagy, I., Varsany, M.L., Vertes, A. Mossbauer spectroscopy of electrodeposited tin-nickel alloys and thermally prepared Ni_3Sn_2 NiSn, and Ni_3Sn_4 9—61269
Leidheiser, H., Jr., Vertes, A., Varsanyi, M.L., Czako-Nagy, I. The chemical state of cobalt in cobalt-hardened gold electrodeposits 9—90897
Leidheiser, H., Jr. *see* Simmons, G.W. 9—61268
Leidheiser, H., Jr. *see* Vertes, A. 9—61778
Leidner, L. *see* Junkermann, W. 9—53411
Leigh, P. A businessman's survey of light-wave electronics 9—55213
Leighton, R.B. *see* Wannier, P.G. 9—62931
Leighton, R.F. *see* Daley, C.G. 9—83930
Leij, M.van der *see* van der Leij, M.
Leijdekkers-Govers, A.F.M. *see* Vrijhoef, M.M.A. 9—83266
Leikin, A.I. *see* Varli, K.V. 9—83239
Leikin, E.M. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Leikin, E.M. *see* Dement'ev, R.K. 9—93477
Leikin, G.A., Zabulueva, E.V. Stochastic model for the dissipation of regolith which preserves its characteristic properties during cratering 9—70974
Leikina, L.Ya. *see* Kossova, N.F. 9—55221
Leiko, A.G. Sound field of an infinite circular cylindrical grating with open gaps 9—90051
Leikov, I.G. *see* Gal'per, A.M. 9—80133
Leila, H.A., Ismail, H.A., Kamel, M., El Ashry, M., Darwish, S.M. A method to evaluate the dependence of Ge(Li) spectrometers efficiency slopes on the counting rate and source-to-detector distance 9—68122
Leimbrock, W. *see* Hinze, D. 9—58671
Lein, B.I., Astrakhanov, M.I., Kropacheva, E.N., Khachaturov, A.S. The study of the structure and fractional composition of alternating copolymers of propylene with butadiene 9—65011
Leinachuk, E.I., Podgaeskii, V.V., Parfesso, D.I. The effects of chromium on the resistance of weld metal to hot cracking 9—79061
Leinbach, H. *see* Szuszczewicz, E.P. 9—60108
Leiner, D.C. *see* Johnson, G.W. 9—58775
Leinert, C. Zodiacal light observations. New results concerning interplanetary dust 9—80268
Leininger, M. *see* Kircher, F. 9—68042
Leinster, P., Perry, R., Young, R.J. Ethylene dibromide in urban air 9—70481
Leinweber, G. *see* Kneis, W. 9—54709
Leiper, W., Blaauw, C., Judah, J., MacKay, G.R. ^{193}Ir and ^{119}Sn hyperfine fields in the Heusler alloy $Ir_{1.07}Mn_{1.07}Sn_{0.86}$ 9—78581
Leiper, W. *see* Blaauw, C. 9—61278
Leipertz, A., Fiebig, M. Experimental investigation of small single and multiple free jets by laser Raman spectroscopy 9—97447
Leipholz, H.H.E. Variational principles for non-conservative problems, a foundation for a finite element approach 9—49027
Leipholz, H.H.E. On a variational principle for the clamped-free rod subjected to tangential follower forces 9—50594
Leipholz, H.H.E. Influence of mass distribution on the stability of rods in the presence of polygenic forces 9—81744
Leipuner, L.B. *see* Schmidt, M.P. 9—89146
Leipunskii, I.O. *see* Butkovskaya, N.I. 9—59596
Leir, A.A. *see* Rood, H.J. 9—92873
Leisi, H.J. *see* Dey, W. 9—98252
Leiss, J.E. Induction linear accelerators and their applications 9—67989
Leiss, M. *see* Lutz, F. 9—74101
Leissa, A.W., Laura, P.A.A., Gutierrez, R.H. Transverse vibrations of circular plates having nonuniform edge constraints 9—86366
Leister, N.V. *see* Benevides, P. 9—70944
Leisure, R.G. *see* Hsu, D.K. 9—73835
Leitch, M.J., Matthews, J.L., Ingham, D., Sapp, W.W., Sargent, C.P., Findlay, D.J.S., Owens, R.O., Roberts, B.L. The role of the $\Delta(1232)$ isobar in the $^{16}O(\gamma, p)$ process 9—85451
Leitch, W.F.N. *see* Lewis, F.A. 9—50149
Leite, C.V.B. *see* Montenegro, E.C. 9—85848
Leite, J.L., Barker, R.D. Resistivity surveys employed to study coastal aquifers in the state of Bahia, Brazil 9—57977
Leite, J.R. *see* Antonelli, A. 9—95356
Leite, J.R. *see* Fazzio, A. 9—99504
Leite, J.R. *see* Riego, A.R. 9—73468
Leite, N.F. *see* da Silva, E.C. 9—91476
Leiter, D. Fermion nonminimal gravitational coupling and the solar-neutrino problem 9—75761
Leiter, D. *see* von Baeyer, H.C. 9—68331
Leith, E.N., Roth, J.A. Noise performance of an achromatic coherent optical system 9—98295
Leith, E.N. *see* Chang, B.J. 9—58778, 9—76632
Leith, I.S. *see* Wood, A.K.W. 9—100743
Leith, J.T. *see* Miller, R.C. 9—57716
Leitinger, R. *see* Davies, K. 9—75020
Leitland, V.V. *see* Briedis, I.P. 9—55351
Leitman, M.B., Kurchavyi, V.A. Measuring transducer for angle of rotation of rotor of linear rotary convertor 9—63192
Leitnaker, J.M. *see* Braski, D.N. 9—61606
Leitner, P., Swift, J. Effect of density and director fluctuations on the nematic-smectic-C liquid-crystal transition 9—55875
Leitz, H., Buckel, W. Structure investigation of quench condensed Sb-Au-films by insitu electron diffraction 9—99459
Leiviska, K. *see* Uronen, P. 9—52988
Leja, E., Korecki, J., Krop, K., Toll, K. Phase composition of SnO_2 thin films obtained by reactive d.c. sputtering 9—90914
Lejay, Y. *see* Lapujoulade, J. 9—95892
Lejeune, C., Grandchamp, J.P., Aubert, J. Large, dense and uniform plasma for multi-ampere beam formation: the multiDUOPIGatron 9—49889
Lejeune, G. On the inversion problem of the plasma line intensity measurements in terms of photoelectron fluxes 9—62668
Lejeune, G. 'Two-stream' photoelectron distributions with interhemispheric coupling: a mixing of analytical and numerical methods 9—62669
Lejeune, V. *see* Despres, A. 9—52721
Lejuene, G. Diffusion of monoenergetic photoelectron fluxes in the plasma sphere 9—75018
Lejus, A.M. *see* Vivien, D. 9—51850
Lejus, A.M. *see* Zarembowitch, J. 9—87440
Lekkerkerker, H. *see* Finsy, R. 9—92440
Lekkerkerker, H.N.W. Thermodynamic analysis of the oscillatory convective instability in homeotropic nematics heated from below 9—86690
Lekkerkerker, H.N.W. *see* Luyckx, R. 9—68290
Lekner, J. *see* Henderson, J.R. 9—99400
Leko, V.K., Mazurin, O.V. An interpretation of structural transformations in glass-forming systems based on displacement of their chemical equilibrium with temperature change 9—94912
Leksin, G.A. *see* Aref'ev, A.V. 9—97637
Leksin, G.A. *see* Bayukov, Y.D. 9—85475, 9—93623
Leksin, G.A. *see* Bayukov, Yu.D. 9—49538
Leksin, G.A. *see* Burgov, N.A. 9—97710
Leksina, R.Kh. *see* Gorelik, S.S. 9—96038
Leksovskii, A.M., Gaffarov, B., Vettegren', V.I. Overstress in the chemical bonds in a polymer subjected to cyclic loading 9—57106
Leksovskii, A.M. *see* Regel', V.R. 9—52559
Leland, T.W. *see* Nezbeda, I. 9—94860
Lelekhov, S.A. *see* Keilin, V.E. 9—61019
Leleux, G. *see* Aknin, J.P. 9—68001
Leleux, G. *see* Faure, J. 9—71985
Leleux, G. *see* Grorud, E. 9—72057
Leleux, P. *see* Bosman, M. 9—49627, 9—67581
Lelevkin, V.M. *see* Desyatkov, G.A. 9—90478
Lelieur, J.-P. *see* De Backer, M. 9—87934
Lelievre, G. Optical nebulosities associated with active nuclei 9—97069
Lelj, F. *see* Clementi, E. 9—70516
Lellep, J. Optimal location of additional supports in the case of a rigid-plastic beam loaded impulsively 9—64498
Leloup, J.Y., Sapoval, B. Necessity of a phase convention for effective g-factors and role of the g-factors in the Knight shifts of PbTe 9—51473
Lely Garolla di Bard, F. *see* Falcone, G. 9—52059
Lelyakov, A.V. Absorption band shape of free excitons in indirect band gap semiconductors at high excitation density 9—78015
Lem, H.Y. *see* Farlow, N.H. 9—58040
Lemaignan, C., Malmejac, Y. Unidirectional solidification of irregular silver-germanium eutectic alloys 9—61574
Lemaignan, C. *see* Camel, D. 9—87574
Lemaire, J. *see* Herlemont, F. 9—59455, 9—98088
Lemaire, J.L. *see* Aknin, J.P. 9—68001
Lemaire, M.C. *see* Bernas, M. 9—67661
Lemaire, M.-C., Nagamiya, S., Schnetzer, S., Steiner, H., Tanihata, I. Composite particle emission in relativistic heavy ion collisions 9—80952
Lemaire, R. *see* Delapalme, A. 9—78322
Lemaire, R. *see* Gignoux, D. 9—56593
Lemaitre, G. On the resolution of all-reflecting Schmidt telescopes 9—75102
Lemaitre, J., Cordebois, J.-P., Dufailly, J. Elasticity and damage coupling 9—90182
Lemanceau, B. *see* Bellocq, A.M. 9—79308
Lemanceau, B. *see* Bellocq, A.-M. 9—82339
Lemanceau, B. *see* Clin, B. 9—93195
Lemanov, V.V. *see* Agishev, B.A. 9—69564, 9—73257, 9—95710
Lemanov, V.V. *see* Akhmedzhanov, F.R. 9—69198
Lemanov, V.V. *see* Dobrovol'skii, A.A. 9—60615
Lemanov, V.V. *see* Esayan, S.Kh. 9—73244
Lemanov, V.V. *see* Sattikulov, M. 9—90734
Lemanska, M. On the analytic solutions of the monoenergetic neutron transport equation for slab geometry 9—97745
Lemarechal, P. *see* Candau, S.J. 9—70381
Lemasson, P. Flat band potential determination of a semiconducting electrode by electrical and optical methods 9—99613
Lemasson, P., Gautron, J. Current photoresponse of an electrolyte-zinc selenide junction 9—82669
Lemasson, P. *see* Gautron, J. 9—52676
LeMaster, R.A., Graff, K.F. Influence of ceramic location on high power transducer performance 9—50561
Lemberg, H.L. *see* Batten, G.L., Jr. 9—67232
Lemberg, I.Kh. Is the conclusion that traditionally spherical nuclei are nonspherical mandatory? 9—75829
Lemberg, I.Kh. *see* Alexandrov, A.A. 9—63629
Lemberg, I.Kh. *see* Andreev, D.S. 9—68138
Lemberskii, V.B. The question of determining the equivalent flow through through-defects 9—50801
Lemberskii, V.B. Optimum accuracy of equipment for airtightness testing 9—52591

Lemberskii, V.B., Groshev, K.N. An analysis of the conditions of applicability of equations for conversion of the flow of gas through through-defects 9—96268

Lemberskii, V.B., Revunova, N.S. Correcting the results of airtightness inspection by the hydrostatic method to standard conditions 9—91898

Lemble, Ph., Pineau, A., Dumoulin, Ph., Guttmann, M., Castagne, J.L. Temper embrittlement in 12% Cr martensitic steel 9—87722

Lembra, Yu. Optical properties of a nonuniform layer with an exponential refractive index distribution 9—56877

Lemcoe, M.M. Development of high-temperature biaxial-strain transducer for use to 1033K (1400°F) 9—80600

Lemeilleur, F. *see* Fischer, C. 9—68003

Lemen, J.R. *see* Parkinson, J.H. 9—96979

Lemens, P.O. *see* Rowlands, R.E. 9—77029

Lemere, M., Stubeda, D.J., Horiuchi, H., Tang, Y.C. Antisymmetrization effects on the effective internuclear potential 9—59085

Lemesheva, T.A. *see* Shakhovskaya, L.I. 9—81929

Lemire, F., Patera, J. Formal analytic continuation of Gel'fand's finite dimensional representations of gl(n,C) 9—63381

Lemke, D., Harris, A.W. Infrared observations of H II regions 9—67084

Lemke, D. *see* Frey, A. 9—58393

Lemke, H. Generalized macro-causality in relativity theory 9—85021

Lemkin, P. The boundary trace transform: an edge and region enhancement transform 9—70713

Lemkin, P. *see* Lipkin, L. 9—70711

Lemley, A.T. *see* Marcus, M.A. 9—62190

Lemley, W., Nurmikko, A.V. High-intensity subnanosecond transients from synchronously pumped submillimeter-wave lasers 9—89891

Lemlich, R. *see* Ranadive, A.Y. 9—79304

Lemme, H. Focus: batteries 9—70444

Lemmens, L.F. *see* Devreese, J.T. 9—51509, 9—61227

Lemmer, R.H., Lowther, J.E. Magnetic fluctuations, excitation, and induced moments in a system having two singlet levels 9—61022

Lemmerman, L.A., Sonnad, V.R. Three-dimensional viscous-inviscid coupling using surface transpiration 9—98744

Lemmon, J.J. *see* Mitchell, S.K. 9—98532

Lemonne, J. *see* De Clercq, C. 9—89188

Lemons, D.S., Asbridge, J.R., Bame, S.J., Feldman, W.C., Gary, S.P., Gosling, J.T. The source of electrostatic fluctuations in the solar wind 9—80183

Lemons, D.S., Winske, D., Gary, S.P. Nonlinear theory of the Weibel instability 9—60122

Lemons, R.A., Boyd, G.D., Phillips, J.C., Remeika, J.P., Spencer, E.G. Thin polycrystalline films of $W_9Nb_8O_{47-x}$ as an electrochromic material 9—65949

Lemont, S. *see* Shaub, W.M. 9—83523

Lemos, N.A. A remark on the quantum theory of the free relativisitic particle 9—58867

Lemos, V. *see* Cerdeira, F. 9—78686

Lemperiere, G. *see* Poitevin, J.M. 9—55557

Lempicki, A., McCollum, B.C. Emission spectroscopy and ionic interaction in $K_5PrLi_2F_{10}$ 9—83015

Lempicki, A. *see* Nettel, S.J. 9—99930

Lena, P. Star clouds and cocoons 9—67087

Lena, P. *see* Chelli, A. 9—101079

Lena, P. *see* Courtin, R. 9—75151

Lenac, Z. Low-energy electron scattering by molecules adsorbed on metal surfaces 9—56896

Lenac, Z., Sunjic, M. The properties of a parallel-plate capacitor in a plasmon model 9—51511

Lenahan, P.M., Rowland, T.J. Non-ohmic electrical conduction in the highly one-dimensional semiconductor methyltriphenylarsonium tetracyanoquinodimethane 9—99558

Lenard, A. Thermodynamical proof of the Gibbs formula for elementary quantum systems 9—58628

Lenard, A. *see* Fuller, W. 9—67172

Lenard, J.G. A comparative study of various empirical relations applicable in hot strip rolling 9—61630

Lenard, J.G. On the eversion of a superplastic, thin walled tube 9—61689

Lenart, C. *see* Kertesz, L. 9—52248

Lencioni, P., Bernier, J. Determination of vertical and horizontal earthquake response spectra 9—97910

Lender, R., Szepan, R. Digital clock CADM extends R&S standard-frequency line 9—67288

Lender, R.J., Tiwari, S., Borrego, J.M., Ghandhi, S.K. Diffusion length measurements in Schottky barrier GaAs solar cells 9—61973

Lendvai, J. Dislocation structure in alloys subject to precipitation hardening 9—55746

Lendvai, J., Honyek, Gy., Kovacs, I. Dissolution of second phases in an Al-Zn-Mg alloy investigated by calorimetric method 9—100193

Lengauer, G.G. The limiting stellar magnitude depending on conditions of photographic observations. Nomogram 9—92680

Lengauer, G.G. The interstellar absorption effect on spectrophotometric gradients of stars 9—92752

Lengauer, G.G. Tables of corrections for chromatic refraction in photoelectric and other astrometrical observations 9—96889

Lengel, R.K., Zare, R.N. Experimental determination of the singlet-triplet splitting in methylene 9—100407

Lengeler, B. *see* Boning, K. 9—91029

Lengeler, H. *see* Citron, A. 9—81113

Lengkeek, H.P. *see* Skriver, H.L. 9—60696

Lenglet, M. *see* Arsene, J. 9—65031

Lengrand, J.-C., Allegre, J., Raffin, M. Interaction of underexpanded jets with adjacent flat plates 9—94674

Lengyel, L.L. Tokamak fuelling with pellets: effect of transport phenomena on the injection requirements 9—89501

Lenihan, J.M.A. Adventures in activation analysis, 1953-1978 9—87909

Lenk, R. Time-evolution of the entropy of fluctuations in some biological systems as investigated by NMR 9—53017

Lenk, R. Non-equilibrium thermodynamics of cross-relaxation 9—58662

Lenk, R. Theoretical analysis of multiple scattering of waves 9—75362

Len'kov, S.V., Lomaev, G.V. Statistical theory of domain boundary displacement and magnetisation discontinuities 9—51800

Lenkova, G.A. *see* Dontsova, V.V. 9—98310

Lenkszus, F.R. *see* Daly, R.T. 9—89558

Lennard, W.N. *see* Ward, D. 9—65130

Lennartsson, W., Shelley, E.G., Sharp, R.D., Johnson, R.G., Balsiger, H. Some initial ISEE-1 results on the ring current composition and dynamics during the magnetic storm of December 11, 1977 9—84589

Lennie, P. Scotopic increment thresholds in retinal ganglion cells 9—79558

Lennie, P. *see* Movshon, J.A. 9—53090

Lennox, T.A. *see* Smith, D.C.G. 9—97897

Lenoe, E.M. *see* Arons, R.M. 9—79042

Lenorvitz, J.M. Voyager 2 expands Jupiter data 9—84740

Lenox, R.H. *see* Meyerhoff, J.L. 9—53188

Lenschow, D.H. *see* Hicks, B.B. 9—66754

Lenschow, D.H. *see* Jensen, N.O. 9—58028

Lenson, R. *see* Armington, R.M. 9—66573

Lent, A. *see* Censor, Y. 9—66531

Lent, B. *see* Robbins, D.J. 9—61443, 9—99952, 9—99953

Lent, B. *see* Whatmore, R.W. 9—99825

Lentle, B.C. *see* Terner, U.K. 9—62217

Lentz, A., Fabian, W. Single crystal growth of triple nitrites in gel 9—74076

Lenyuk, M.P., Bukatar', M.I. Stochastic temperature fields in a solid spheric cone 9—50566

Lenyuk, M.P., Bukatar, M.I. Random heat stresses in elastic space with a cylindrical cavity 9—76971

Lenz, F. *see* Hirata, M. 9—85350

Lenz, H. *see* Knof, J. 9—83886

Lenz, J. An alternative method for solving the elementary equation for damped oscillation [teaching] 9—62950

Lenz, K. *see* Fabian, H. 9—89968

Lenzi, M., Margani, A., Nguyen Xuan, C., Di Stefano, G. Collisional deactivation of $PH(b^1\Sigma^+)$ by some diatomic molecules 9—54948

Lenzi, M. *see* Margani, A. 9—63950

Leo, J.S., Bergeron, R.T., Kricheff, I.I., Benjamin, M.V. Metrizamide myelography for cervical spinal cord injuries 9—92362

Leo, R.De *see* De Leo, R.

Leo, S.Di *see* Di Leo, S.

Leo, T.Di *see* Di Leo, T.

Leo, W. *see* Besset, D. 9—63503

Leodaris, A.D. *see* Jannussis, A.D. 9—63957

Leon, J., Quiros, M., Mittelbrunn, J.R. Group content of the Foldy-Wouthuysen transformation and the nonrelativistic limit for arbitrary spin 9—75387

Leon, M., Bradbury, J.N., Gram, P.A.M., Hutson, R.L., Schillaci, M.E., Hargrove, C.K., Reidy, J.J. Observation of the E2 nuclear resonance effect in some pionic atoms 9—76534

Leon, M., Heffner, R.H. Measuring macroscopic diffusion of positive muons in metals 9—56698

Leon, M. *see* Brown, J.A. 9—56685

Leon, M. *see* Heffner, R.H. 9—56686

Leon, M. *see* Kohn, S. 9—56695

Leonard, A.C. *see* Betts, K.R. 9—60577

Leonard, B.P. A stable and accurate convective modelling procedure based on quadratic upstream interpolation 9—68694

Leonard, C.D. *see* Chang, B.J. 9—89865

Leonard, D.A., Caputo, B., Hoge, F.E. Remote sensing of substrate water temperature by Raman scattering 9—80036

Leonard, E.M. *see* Williams, M.D. 9—66429

Leonard, J.A. Operating experience at the DOE/Sandia Midtemperature Solar Systems Test Facility 9—52912

Leonard, J.I. *see* Leach, C.S. 9—57779

Leonard, L.B. *see* Folger, M.K. 9—57674

Leonard, M.F. *see* Minden, H.T. 9—75558

Leonard, T.A., Cover, R.A. Temporally and spatially resolved harmonic emission from spherical laser fusion targets 9—82095

Leonard, W.F., Michael, M. Surface-state studies of nonparabolic band semiconductors using MIS structures 9—78190

Leonardi, C. Acoustic superradiance, phonon avalanche, and propagation effects 9—69195

Leonardi, R., Tenze, E. Spin and spin-isospin distribution in some medium-heavy nuclei 9—71789

Leonberger, F.J., Ralston, R.W., Reible, S.A. Gap-coupled InSb/LiNb/O_3 convolver operating at 77K 9—50242

Leone, C. *see* Barbaro, S. 9—74947

Leone, C. *see* Cavaliere, P. 9—72427

Leone, C. *see* Ferrante, G. 9—64072, 9—64073

Leone, S.R. *see* Horwitz, A.B. 9—72395, 9—76711

Leonetti, O. *see* Ferrari-Toniolo, M. 9—53829

Leong, J. *see* Becker, U. 9—59059

Leong, J.Y., Yee, J.H. Interface recombination of charge carriers in bicrystals 9—99431

Leong, M.S., Choo, S.C., Tan, L.S. The spreading resistance of an inhomogeneous slab with a disc electrode as a mixed boundary value problem 9—87154

Leonhardt, G. *see* Butter, E. 9—90909

Leonhardt, H., Arntz, H.-R., Reinhardt, I. A method of determining the erythrocyte filtration through a polycarbonate filter 9—79708

Leonhardt, H. *see* Grigoleit, H.-G. 9—79583

Leonhardt, W.J. *see* Greene, G.A. 9—85616

Leonov, A.G. *see* Isakov, I.M. 9—72595

Leonov, A.I. Nonisothermal nonlinear waves in a rod made of a dissipative rubberlike material 9—86380

Leonov, A.I., Kostikov, Yu.P., Trusova, E.M., Ivanov, I.K., Andreeva, N.S. Surface microphases and their influence on physicochemical processes in oxides 9—51269

Leonov, A.I. *see* Epifanov, V.P. 9—86393

Leonov, B.I., Sosnin, F.R. Calculation of the diameter of a radiation-optical converter of a scintillation single crystal 9—68445

Leonov, E.I. *see* Belyaev, V.A. 9—74001

Leonov, I.G. Metrological provisions for nondestructive testing equipment 9—74322

Leonov, P.A. *see* Goncharov, L.A. 9—95042

Leonov, S.N. *see* Belousova, I.M. 9—81413

Leonov, V.N. *see* Bugrov, E.A. 9—71413

Leonov, V.V., Medyantseva, L.L. Recommendations on choosing a means of measuring deviations from rectilinearity and planarity in metal-working industries 9—97348

Leonov, V.V., Spektor, Yu.E. Effect of the crystallization rate on the microhardness of eutectic alloys $A^{III}B^{V}$-Ge(Si) 9—96110

Leonova, L.S. *see* Tkacheva, N.S. 9—100401

Leonovici, M.R., Bunget, I. New data on dielectric response of Rochelle salt in the low frequency range 9—82930

Leonovici, M.R. *see* Bunget, I. 9—60837

Leont'ev, A.I., Fomichev, V.M. Friction and heat transfer in a laminar boundary layer with periodic pressure fluctuations 9—64652

Leont'ev, A.I. *see* Polonskii, V.S. 9—76947

Leont'ev, A.I. *see* Styrikovich, M.A. 9—81710

Leont'ev, A.I. *see* Vinogradov, Yu.A. 9—81922

Leont'ev, V.A., Oleinik, B.D., Perevozchikov, V.G., Sokolkin, Yu.V. Assembly for strength-testing rings of composite materials in one-sided heating 9—96260

Leont'ev, V.M. *see* Victorov, V.A. 9—67546

Leont'ev, Yu.A., Gavrilin, I.V., Sklyarov, A.E., Vlasov, V.G., Zakharov, V.P. Effect of polarity and density of direct current on the structure of alloy YuNDK35T5 9—78954

Leont'ev, Yu.A. *see* Yakup, A.V. 9—50601

Leont'eva, I.A., Sereda, B.P., Berg, N.A., Reshetnikov, B.S. Thermal transitions of zirconium and chromium chromates 9—100116

Leontiadis, J. *see* Payne, B.R. 9—53393

Leontiev, V.M. *see* Dzhelyadin, R.I. 9—67556

Leontiev, V.M. *see* Golovkin, S.V. 9—89212

Leontovich, A.M. *see* Blazhenkov, V.V. 9—64266

Leontovich, A.M. *see* Kirkin, A.N. 9—89932

Leont'yev, A.I., Rozhdestvenskiy, V.I., Vinogradov, Yu.A., Sysoyev, V.I. Experimental study of heat transfer on a flat, porous wall with alternating injection and suction zones 9—98719

Leont'yev, A.I. *see* Baryshev, Yu.V. 9—98714

Leonyuk, N.I., Azizov, A.V., Belov, N.V. Experimental investigation of the growth rate of yttrium-aluminum borate crystals 9—86731

Leonyuk, N.I. *see* Pushcharovskii, D.Yu. 9—77582

Leonyuk, N.I. *see* Sergeev, V.M. 9—65935, 9—87514

Leonyuk, N.I. *see* Sokolova, E.V. 9—86775

Leopold, K.E. *see* Corkum, P.B. 9—81466

Leopold, L. *see* Arndt, G.D. 9—52896

Leopold, M. *see* Braun, H. 9—58969

Leotta, G.G. *see* Coppi, B. *(editor)* 9—98963

Leotta, G.G. *see* Stringer, T. *(editor)* 9—98869

Leovy, C.B., Zurek, R.W. Thermal tides and Martian dust storms: Direct evidence for coupling 9—84719

Leovy, C.B. *see* Haberle, R.M. 9—96942

Leovy, C.B. *see* Sutton, J.L. 9—88615

Lepage, G.P., Brodsky, S.J. Exclusive processes in quantum chromodynamics: the form factors of baryons at large momentum transfer 9—89153

Lepage, G.P. *see* Caswell, W.E. 9—89812
Leparskas, H.J.A., Marlborough, J.M. Observations of C III λ5696 and He II λ4686 and the transition of C III λ5696 from absorption to emission in OB stars 9—67006
Lepek, A., Halperin, A., Levinson, J. Photoconductivity and internal photoemission in semiconducting diamond 9—69546
Lepekhin, G.I., Ryabchuk, G.V., Tyabin, N.V. Heating of viscous and non-Newtonian fluids on a rotating disk 9—77095
Lepekhina, L.I. *see* Bogachev, I.N. 9—70153
Lepeltier, V. *see* Cosme, G. 9—58968
Lependin, L.F. *see* Byrdin, V.M. 9—60433
Lepeshinskaya, V.N. *see* Bakayev, A.V. 9—69931
Lepeshinskii, I.A. *see* Baranovskii, S.I. 9—81950
Lepeshinskii, I.A. *see* Ertanova, O.N. 9—86537
Lepik, U. The method of quasimodal form solutions for the dynamic response of rigid-plastic structures 9—90170
Lepik, Yu.R. *see* Mruz, Z. 9—86382
Lepikhin, Yu.B. *see* Vaisenberg, A.O. 9—75987
Lepin, G.F., Kostyuk, Y.P. Determination of elastic yielding of testing machines 9—70251
Lepin, G.F. *see* Krishtal, M.A. 9—66133
Lepine, A. *see* Mariscotti, M.A.J. 9—54380
Lepine, C.W. *see* Trapp, E.L. 9—85592
Lepine, J.R.D. *see* Marques Dos Santos, P. 9—75286
Lepine, J.R.D. *see* Murdin, P. 9—92783
Lepinskikh, B.M. *see* Shibanova, L.N. 9—95198
Lepley, B. *see* Nguyen, P.H. 9—95505
Lepore, R. *see* Polvado, R. 9—63543
Lepore, R.M. *see* Polvado, R.O. 9—58983
Leporskii, A.N. *see* Kryuchkov, Yu.N. 9—67253
Lepoutre, F., Louis, G., Taine, J. A photoacoustic study of intramolecular energy transfer in CO_2 deactivated by monatomic gases between 153 and 393K 9—54943
Lepoutre, F. *see* Taine, J. 9—98187
Lepoutre, G. *see* De Backer, M. 9—87934
Lepp, R.M., Frketich, G. Two-phase control absorber development program. Closed-loop control experiments and noise measurements in the ZED-2 test reactor 9—85697
Lepp, R.M., Glen, J.S., Moeck, E.O., Frketich, G. Two-phase control absorber development program: out-reactor tests and analysis to establish system operating characteristics 9—97852
Lepp, R.M., Moeck, E.O. Conceptual design of a two-phase flow absorber system for neutron flux regulation in a CANDU-PHW-1250 reactor 9—93799
Leppavuori, S., Hannula, T., Uusimaki, A. A thick film capacitive temperature sensor using barium strontium titanate glass formulations 9—93137
Lepper, J.K. *see* Findley, W.N. 9—83410
Leppert, M. Electromagnetic field of an electrically conducting sphere rotating in a temporally periodic homogeneous external magnetic field 9—86107
Leppihabme, M. *see* Viljanem, J. 9—55254
Lepping, R.P. *see* Ness, N.F. 9—96956
Leppington, F.G., Levine, H. The effect of flow on the piston problem of acoustics 9—50486
Leprince, P. *see* Breelle, Y. 9—74512
Leprince, P. *see* Moisan, M. 9—50868
Leptukh, G.G. *see* Baiburina, S.G. 9—80156, 9—80170
Lequime, M. *see* Debrie, J. 9—49290
Ler Wang *see* Wang Ler
Leray, Th. *see* Badier, J. 9—93460
Lerbekmo, J.F., Evans, M.E., Baadsgaard, H. Magnetostratigraphy, biostratigraphy and geochronology of Cretaceous-Tertiary boundary sediments, Red Deer Valley 9—57888
Lerch, G. *see* Amlinger, H. 9—67877
Lerch, I.A. The early history of radiological physics: 'A fourth state of matter' 9—80410
Lerche, I. On the propagation of magneto-ionic rays in a shearing plasma 9—84659
Lerche, I., Caswell, J.L. Rotation measure and turbulent structure of Tycho's supernova remnant, G 120.1+1.4 9—88718
Lerche, I. *see* Caswell, J.L. 9—75254
Lerche, I. *see* Haynes, R.F. 9—75296
Lereim, J., Embury, J.D. A simple method for the determination of J-integral values 9—52475
Lerf, A., Sernetz, F., Biberacher, W., Schollhorn, R. Superconductivity in layered ternary chalcogenides A_xTaS_2 and A_xNbS_2 and influence of topotactic solvation 9—87180
Lerf, A. *see* Butz, T. 9—87337
Lerf, A. *see* Schollhorn, R. 9—65052, 9—99158
Lerman, E.Ya. *see* Koshtoev, V.V. 9—68136
Lerner, E., Hanono, F. Vapor pressure measurements of adsorbed neon on exfoliated graphite between 15 and 30K 9—69350
Lerner, E. *see* de Souza, E.P. 9—58695
Lerner, E. *see* Rapp, R.E. 9—73317
Lerner, I., Chiang, S.-W., Kohlstedt, D.L. Load relaxation studies of four alkali halides 9—79016
Lerner, I. *see* Oron, M. 9—70231
Lerner, I.V., Lozovik, Y.E. Electron-hole rearrangements in two-dimensional semimetals in high magnetic fields 9—87028
Lerner, I.V., Lozovik, Yu.E. Thermodynamics of electrons in a quantized semimetal film in high magnetic field 9—56341
Lerner, I.V., Lozovik, Yu.E. Interaction of quasiparticles near the interface of two media 9—65532
Lerner, J. *see* Bundy, M.L. 9—96613
Lerner, S. *see* McWilliams, K.D. 9—54483
Leroi, G.E. *see* Darland, E.J. 9—89523, 9—89524
LeRose, J. *see* Paras, N. 9—63659
Leroux Hugon, P., Ghazali, A. Coexistence of insulating and metallic electronic phases in doped semiconductors at low temperature: elements of a concentration temperature diagram 9—65385
Leroy, B. *see* Bronchard, J.P. 9—95037
Leroy, C. *see* Afek, Y. 9—63443
Leroy, G., Peeters, D., Deplus, A., Tihange, M. Static approach to the chemical bond concept by the localised orbitals method 9—89593
Leroy, G. *see* Peeters, D. 9—76334
Leroy, P.Y. *see* Clastre, J. 9—54098
Leroy, R. *see* Meyer, C.E. 9—54559
Leroy, R.L. Polythioglycolate passivation of zinc 9—70217
Leroy, V. *see* Gaspard, C. 9—91726
Leroy, Y. *see* N'Guyen, D.D. 9—100695
Leroy-Houyet, M.-A. *see* Baudhuin, P. 9—71569
Leroyer, Y., Raychaudhuri, A. On the energy of Yang-Mills fields in the presence of an external source 9—89062
Leroyer, Y. *see* Donohue, J.T. 9—63514
Lertorad, B.I. Obtaining design values of solar radiation for installations with plane collectors 9—79384
Les, A., Radzio, E. Non-additive effects in the first-order interaction energy of hydrogen molecules 9—50099
Les, Z., Kuros, J. Synthesis of semitransparent wide band dielectric mirrors using dispersive and absorbing materials 9—89986
LeSage, L.G. *see* Bhattacharyya, S.K. 9—81036
Lesage, P. *see* Audoin, C. 9—55101
Lesauskis, V.P. Calculation of a general solution of the Bloch equations for broadband modulation of the resonance conditions 9—65706
Lesauskis, V.P. Calculation of a general solution of the Bloch equations for broadband modulation of the resonance conditions 9—65708
Lesauskis, V.P. *see* Baniene, R.A. 9—65707
Lescelius, R.H. *see* Towle, J.N. 9—62605
Leschiutta, S. *see* Rovera, G. 9—54104
Lesh, J.R. *see* Sofia, S. 9—84767
Lesh, J.Rountree *see* Rountree Lesh, J.
Leshchenko, I.N. *see* Labunov, V.A. 9—96245
Leshchenko, V.M. *see* Kozlov, I.A. 9—54121, 9—57191, 9—66034
Leshchev, A.A. *see* Vorzobova, N.D. 9—72536
Leshchinskii, M.Yu. *see* Dorf, V.A. 9—91902
Leshenyuk, N.S., Nevdakh, V.V., Orlov, L.N., Trushin, S.A., Churakov, V.V. Investigation of the rate of relaxation of the energy of the antisymmetric vibrational mode of CO_2 molecules as a function of the temperature 9—94067
Leshina, T.V. *see* Podoplelov, A.V. 9—59604
Leshina, T.V. *see* Vainer, L.M. 9—52631
Leshkevich, G.G. *see* Pavlov, I.M. 9—87707
Leshkovtsyev, V.G. *see* Osipov, C.V. 9—59928
Lesht, B. *see* Wimbush, M. 9—79807
Lesiecki, H. *see* Klein, H. 9—81096
Lesieur, M. *see* Vignon, J.-M. 9—81849
Lesin, V.I. *see* Pristupa, A.I. 9—65769
Lesina, N.V. *see* Belotskii, D.P. 9—87617
Leskela, M., Niinisto, L., Dexpert, H., Charreire, Y. Binary systems of rare earth oxysulfides 9—64957
Lesley, G. Thin-sheet Fresnel solar collector-concentrators 9—79402
Leslie, D.C., Quarini, G.L. The application of turbulence theory to the formulation of subgrid modelling procedures 9—50710
Leslie, F.M. *see* Barratt, P.J. 9—86691
Leslie, L.M., Smith, R.K. The effect of vertical stability on tornadogenesis 9—53442
Leslie, L.M. *see* Smith, R.K. 9—79970
Lesmo, L. *see* De Mori, R. 9—64422
Lesnaya, M.I., Nemchenko, V.F., Sotnik, A.A., Sotnik, S.G. Thermophysical properties of the carbide alloys TiC-ZrC and TiC-VC 9—86908
Lesniak, L. *see* Jaroszewicz, T. 9—75930
Lesniak, L.M. Electrical isolation devices employing fiber optic cable 9—59218
Lesnik, A.G., Nemoshkalenko, V.V., Ovcharenko, A.A. Calculation of short range order, aided by the equilibrium diagram, in binary alloys not containing compounds 9—87610
Lesnik, A.G. *see* Kudryavtsev, Yu.V. 9—65942
Lesnikov, V.P. *see* Veksler, Yu.G. 9—57025
LeSouef, A. *see* Benedict, A.H. 9—66730
Lesourd, J.B. *see* Benhenda, S. 9—69286
Lesquen, A.de *see* de Lesquen, A.
Lesquen, A.De *see* De Lesquen, A.
Lessard, R.A. *see* Beaulieu, R. 9—98314
Lessard, R.D. *see* Giramonti, A.J. 9—88006
Lessem, J. *see* Holmer, N.G. 9—53232
Lessen, M. *see* Barcilon, A. 9—79991
Lesser, P.M.S. *see* Bauman, S.E. 9—100470
Lessing, H.E., Von Jena, A. Rotational diffusion of dyes in micellar media from transient absorption 9—92005
Lessing, H.E. *see* von Jena, A. 9—72443, 9—87414, 9—94302
Lessing, R. *see* Bosek, S. 9—72501
Lessios, H.A. Use of Panamanian sea urchins to test the molecular clock 9—92134
Lessner, G. The equation of motion and gravitational radiation of an ideal fluid sphere moving in a gravitational background 9—85026
Lessor, D.L., Hartman, J.S., Gordon, R.L. Quantitative surface topography determination by Nomarski reflection microscopy. I. Theory 9—54185
Lester, D.F., Dinerstein, H.L., Rank, D.M. Infrared and optical measurements of the ionized gas in K3-50 9—53870
Lester, H.A. *see* Wathey, J.C. 9—83748
Lester, J.C. *see* Pickett, A.M. 9—96721
Lester, T.W. *see* Ning, K.S. 9—55356
Lester, W.A., Jr. *see* Becker, C.H. 9—81255
Lester, W.A., Jr. *see* Luntz, A.C. 9—83446
Lester, W.A., Jr. *see* Schinke, R. 9—74358
Lesueuer, D. *see* Konczykowski, M. 9—51154
Lesueur, R. *see* Benoit, P. 9—99907
Leszcynski, R. *see* Wypych, M. 9—66322
Letardi, T. *see* Barbini, R. 9—68030
Letcher, S.V. *see* Lebrun, J. 9—91402
Leterrier, F. *see* Gresset, C. 9—87855
Letin, V.A. *see* Bordina, N.M. 9—83594
Letokhov, V.S. Laser spectroscopy. VIII. Picosecond processes 9—54194
Letokhov, V.S. Laser spectroscopy. IX. Prospects and applications 9—75610
Letokhov, V.S. Laser selective photophysics and photochemistry 9—79273
Letokhov, V.S., Minogin, V.G. Cooling, trapping and storage of atoms by resonant laser fields 9—59421
Letokhov, V.S., Mishin, V.I. Highly selective multistep ionization of atoms by laser radiation 9—59408
Letokhov, V.S. *see* Bagratashvili, V.N. 9—72370
Letokhov, V.S. *see* Balykin, V.I. 9—72272
Letokhov, V.S. *see* Knyazev, I.N. 9—55121, 9—59517
Letokhov, V.S. *see* Kryukov, P.G. 9—57581, 9—64056
Letokhov, V.S. *see* Velikhov, E.P. 9—89802
Letov, D.A. Waveguide optical collimator 9—68446
Letov, D.A. Optical waveguide made of Ta_2O_5 film with protective coating 9—72682
Letova, T.N. *see* Telesnin, R.V. 9—99735
Letowski, T. *see* Grzelak, M. 9—55288
Lettau, H. *see* Wust, P. 9—67709
Lettenmaier, D.P., Burges, S.J. Climate change: detection and its impact on hydrologic design 9—53396
Lettington, A. *see* Duggan, G. 9—99494
Lettington, A.H. *see* Allinson, D.L. 9—65523
Letyagin, V.G. *see* Shchukin, V.K. 9—98717
Letzring, S. *see* Yaakobi, B. 9—54598
Leu, M.T., Lin, C.L. Rate constants for the reactions of OH with ClO, Cl_2, and Cl_2O at 298K 9—87831
Leu, P. *see* Brandelik, R. 9—93441
Leu, Y.-T., Thiel, F.A., Scheiber, H., Jr., Rubin, J.J., Miller, B.I., Bachmann, K.J. Preparation and properties of bulk $Ga_xIn_{1-x}As$ crystals 9—100047
Leubner, C. Coordinate-free rotation operator 9—97145
Leubner, M.P. Velocity distribution function and cyclotron wave growth in a modified bi-Maxwellian two-ion component solar plasma 9—101040
Leuchs, G. *see* Heldt, J. 9—63965
Leuchs, M., Zundel, G. Polarizable acid-acid and acid-water hydrogen bonds with H_3PO_2, H_3PO_3, H_3PO_4, and H_3AsO_4 9—76423
Leumer, G. *see* Perkins, J. 9—96238
Leung, C.N., Rosner, J. Mass dependence of Schrodinger wavefunctions 9—92974
Leung, D.C. *see* Cavanaugh, G.P. 9—93792
Leung, H.K. *see* Stephenson, J. 9—55635, 9—55861
Leung, J.C.M., Bankoff, S.G., Henry, R.E., Jones, O.C. Occurrence of critical heat flux during blowdown with flow reversal 9—54529
Leung, J.-C.M., Henry, R.E. Steady-state and transient CHF measurements in Freon-11: with particular reference to PWR conditions 9—49732
Leung, K.M., Huber, D.L. Low-frequency dynamics in cooperative Jahn-Teller systems 9—82565
Leung, K.M., Huber, D.L., Luthi, B. Ultrasonic attenuation in a cooperative Jahn-Teller system: TmZn 9—78053
Leung, K.M., Liu, S.T. Giant electrostrictive effect in Ba:PZT 9—91378
Leung, K.M. *see* Sliney, J.G., Jr. 9—87494
Leung, K.N. *see* Ehlers, K.W. 9—50913, 9—89039
Leung, M.K. *see* Uegaki, J. 9—80922
Leung, R.C., Zahradnik, C., Garland, C.W. Dynamic critical phenomena in ammonium halid crystals 9—77690
Leung, S.W. *see* Sherif, H.S. 9—59066

Leung, S.Y. *see* Underhill, C. 9—56797, 9—95785
Leung, W.Y. *see* Choy, C.L. 9—86900
Leung, Y.C. *see* Huang, W.F. 9—99973
Leung Kam-Ching *see* Kam-Ching Leung
Leung Yee-Tak *see* Yee-Tak Leung
Leupold, D. *see* Menzel, R. 9—85973
Leupold, H.A. *see* Bergner, R.L. 9—82824, 9—82825
Leus, V.V. *see* Popov, V.I. 9—82690
Leuschner, A.H. *see* Kruger, J. 9—57550
Leushin, A.M., Khaliullin, G.G. Many-electron direct exchange interaction in ferromagnetic 3d metals 9—69667
Leushina, T.M. Testing of aspherical surfaces on a goniometer 9—76895
Leutenantsmeyer, J. *see* Langanke, K. 9—71826
Leuthold, K. *see* Hagn, E. 9—89235
Leutwyler, S. *see* Herrmann, A. 9—50031, 9—54995
Leutwyler, S. *see* Hofmann, M. 9—76439
Leuze, R.E., Bond, W.D., Tedder, D.W. Conceptual methods for actinide partitioning 9—85810
Lev, A., Politch, J. Measuring the displacement vector by holographic interferometry 9—75498
Lev, A.A. *see* Shchagina, L.V. 9—70528
Lev, F.M. *see* Kondratyuk, L.A. 9—54353
Lev, Y. A fast-response hydrocarbon gas detector 9—70400
Lev Shemer, Shmuel Einav Sensing volume and biasing corrections for dual counter LDA processors 9—77314
Levade, C., Couderc, J.J., Bras, J., Fagot, M. Electron microscopy study of dislocations in pyrite (FeS_2) 9—99204
Levadie, B. Sampling and analysis of atmospheric sulfur dioxide with the lead dioxide plate (Huey plate) 9—62163
Levadnaya, V.I. *see* Malevskii, Yu.B. 9—83200
Levadnii, G.V. *see* Atamanov, V.M. 9—99006
Levadnyi, G.B. *see* Atamanov, V.M. 9—55548
Levaillant, P. *see* Guidoin, R. 9—53278
Levanenko, V.A. *see* Bugrov, E.A. 9—71413
Levanon, N., Bentley, C.R. Ice elevation map of Queen Maud Land, Antarctica from balloon altimetry 9—53374
Levanyuk, A.P. *see* Aslanian, T.A. 9—90748
Levanyuk, A.P. *see* Aslanyan, T.A. 9—69792
Levart, M. *see* Maximovitch, S. 9—52923
Levashkevich, L.V. *see* Kovalev, A.A. 9—64258
Levasseur, A., Brethous, J.-C., Reau, J.-M., Hagenmuller, P. Comparative study ionic conductivity of lithium in the vitreous halogenoborates 9—90823
Levasseur, A. *see* Fouassier, C. 9—95719
Levasseur, G. *see* Besse, J.-P. 9—90601
Levasseur, G. *see* Chamberland, B.L. 9—65053
Levato, H. *see* Malaroda, S. 9—58354
Levatter, J.I. *see* Saho-Chi Lin 9—64205
Levay, B. Chemical structure studies with positrons and mesons 9—79277
Levay, B., Jansen, P. Positron annihilation in solid charge-transfer complexes 9—87521
Levay, B., Vertes, A. Inhibition of positronium formation by the electron scavenger NO_3^- in H_2O and D_2O 9—66325
Levay, B. *see* Troev, T. 9—65953
Levchenko, D.G. *see* Alekseev, S.G. 9—71431
Levchenko, E.B. *see* Elesin, V.F. 9—69636
Levchenko, I.S., Motulevich, G.P., Tomashpol'skii, Yu.Ya. Superconductivity of Nb_3Si films 9—95540
Levchenko, I.S. *see* Golovashkin, A.I. 9—69620
Levchenko, N.M. *see* Verkin, B.I. 9—59907, 9—60493
Levchenko, V.Ya. *see* Kachanov, Yu.S. 9—90265
Levchuk, B.V. *see* Gel'man, B.G. 9—66948
Levchuk, E.F. *see* Kilchevskii, N.A. 9—97199
Leveille, J.P. Higgs boson production in e^+e^- annihilation 9—54331
Leveille, J.P. *see* Kane, G.L. 9—85308
Levelt Sengers, J.M.H. *see* Sengers, J.V. 9—60479
Levelut, A. *see* Bacri, J.C. 9—74429
Levelut, A.M. *see* Benattar, J.J. 9—86863
Levelut, A.M. *see* Dorner, B. 9—51216
Levelut, A.M. *see* Hardouin, F. 9—94890
Levenberg, L.I., Dryuchenko, A.K. Improvement of the types MD-3 and 77PMD-3M magnetic inspection units 9—100318
Levenberg, V.A. *see* Berezina, E.E. 9—65839
Levene, M.B., Kijewski, P.K., Chin, L.M., Bjarngard, B.E., Hellman, S. Computer-controlled radiation therapy 9—92367
Levenson, L.L. *see* Berning, G.L.P. 9—51319
Levenson, L.L. *see* Kny, E. 9—82467
Levenson, L.L. *see* Sinharoy, S. 9—83352
Levenson, L.L. *see* Smith, M.A. 9—79293
Levenson, M.D. Coherent optical transients observed by polarization switching 9—81492
Levenson, M.D., Eesley, G.L. Polarization selective optical heterodyne detection for dramatically improved sensitivity in laser spectroscopy 9—58798
Levenson, R.A. *see* Tyler, D.R. 9—59480
Levenspiel, O., Bukur, D.B. Correspondence on analysis of gas flow in fluidized bed reactors 9—94703
Leventakis, G. *see* Papazachos, B. 9—84166
Leventhal, J.S., Threlkeld, C.N. Carbon-13/carbon-12 isotope fractionation of organic matter associated with uranium ores induced by alpha irradiation 9—57932
Leventhal, L. *see* Wessman, R.A. 9—96400
Leveque, G. *see* Bertrand, Y. 9—95798
Leveque, G. *see* Girard, S. 9—71537
Lever, D.A. Large distortion of the electric double layer around a charged particle by a shear flow 9—68818
Lever, R.F. Background heating for laser annealing 9—96047
Leverant, G.R., Langer, B.S., Yuen, A., Hopkins, S.W. Surface residual stresses, surface topography and the fatigue behavior of Ti-6Al-4V 9—52366
LeVert, F.E. Application of the self-powered detector concept in the design of a threshold gamma-ray detector 9—59306
Levesque, D., Weis, J.J., Hansen, J.P. Simulation of classical fluids [Monte Carlo method] 9—82140
Levesque, D., Weis, J.J., Patey, G.N. The potential of mean force in simple polar/non-polar mixtures 9—90510
Levesque, D. *see* Benard, C. 9—57484
Levesque, D. *see* Patey, G.N. 9—86669
Levesque, D. *see* Vermesse, J. 9—69224
Levet, J.C., Noel, H. Oxydihalogens of uranium IV: the new compound UOI_2; crystallographic and magnetic studies of the series UOX_2 (X=Cl, Br, I) 9—60331
Levett, J., Agarwal, G. The first man/machine interaction in medicine: the pulsilogium of Sanctorius [pulse rate measurement] 9—71215
Levi, A.A. *see* DiStefano, T.H. 9—91511
Levi, A.M. *see* Gel'man, M.M. 9—76731
Levi, D., Ragnisco, O. Non-linear differential-difference equations with N-dependent coefficients. I 9—71274
Levi, D., Ragnisco, O. Non-linear differential-difference equations with N-dependent coefficients. II 9—71275
Levi, D.M. *see* Harwerth, R.S. 9—53144
Levi, L., Prodi, F. Crystal size in ice grown by droplet accretion 9—79933
Levi, M. *see* Sulak, L. 9—59317
Levi, R.B. *see* Alekseev, L.A. 9—70061
Levi, U. *see* Dagan, J. 9—57700
Levi-Setti, R. *see* Escovitz, W.H. 9—50108
Leviatan, Y. *see* Raz, S. 9—54176
Levich, E., Yakhot, V. The kinetics of Bose-condensation 9—63139
Levich, E. *see* Goldhirsch, I. 9—78423
Levick, W.R. *see* Thibos, L.N. 9—83778
Levie, S.A., Spencer, E.A., Clay, C.A.E., Miller, R.W., Upp, L. A study of inter-laboratory comparisons of calibrations on ten orifice plates 9—68866
Leviel, J.L., Marechal, Y. H-bonds in acetic acid crystals: influence of temperature and of isotopic dilution on O-H(O-D) stretching bands 9—51938
Leviev, G.I., Ikonnikov, V.B., Gantmakher, V.F. Nonlinear cyclotron resonance in Bi 9—73815
Levin, A.D. *see* Ashaev, V.K. 9—64814
Levin, A.N. The ray technique for calculating limiting effective velocities for stratified-isotropic media with interfaces of arbitrary form 9—62614
Levin, B.A. *see* Shkurpelov, A.A. 9—59105
Levin, B.J. Relative velocities of planetesimals and the early accumulation of planets 9—58283
Levin, B.M., Fedosov, V.I., Lyapkov, V.N. Small, improved-accuracy optical rotating table 9—71415
Levin, B.M., Seregin, A.G. Instrument for flatness checks on large workpieces 9—97350
Levin, B.M., Volkova, T.A. General-purpose optical string 9—81510
Levin, B.Ya. *see* Savitskii, A.V. 9—61670
Levin, B.Yu. *see* Galibina, I.V. 9—101124
Levin, D.A., Fliflet, A.W., McKoy, V. Low-energy rotational and vibrational-rotational excitation cross sections for H_2 by electron impact 9—89799
Levin, E.E. *see* Ishchenko, I.I. 9—57115
Levin, E.I. *see* Godovskii, Yu.K. 9—55895
Levin, E.I. *see* Rogovina, L.Z. 9—65010
Levin, E.M. *see* Anisovich, V.V. 9—54325
Levin, E.R. *see* Ladany, I. 9—87010
Levin, E.S. *see* Alekseev, Yu.S. 9—69013
Levin, F.S. Quantal rules for non-Hermitian bound state formalisms based on N-body scattering theory 9—75939
Levin, F.S. Application of few-body methods to atomic and molecular structure 9—76330
Levin, F.S., Greben, J.M. On off-shell transformations and wave function formalisms in many-body scattering theories 9—75937
Levin, F.S., Kruger, H. Unexpected behavior of the CCA transition operators under particle interchange 9—75694
Levin, F.S. *see* Greben, J.M. 9—89271, 9—93595
Levin, G. *see* Dosser, L.R. 9—52695
Levin, I.W. *see* Craig, N.C. 9—85952, 9—97446
Levin, K., Soukoulis, C.M., Grest, G.S. A cluster model of spin glasses: towards reconciling theory and experiment 9—78382
Levin, K., Valls, O. Quasiparticle interactions and superfluid transition temperatures in liquid ^3He 9—51356
Levin, K., Valls, O.T. Simple model for the quasiparticle interactions in ^3He. I. The superfluid transition temperatures 9—95233
Levin, K., Valls, O.T. Simple model for the quasiparticle interactions in ^3He. II. Transport coefficients and the superfluid free energy 9—95234
Levin, K.H., Tang, C.L. Optical switching and bistability in tunable lasers 9—59708
Levin, L. *see* Wein, M. 9—99352
Levin, L.A. *see* Miron, E. 9—54802
Levin, L.A. *see* Smilanski, I. 9—81453
Levin, L.A. *see* Tenenbaum, J. 9—50284
Levin, L.S. *see* Gladkovskii, I.P. 9—98927
Levin, M.B. *see* Aristov, A.V. 9—64220
Levin, M.L., Muratov, R.Z. Diffraction of waveguide fields by small disks and apertures located at nodes 9—55036
Levin, O.A., Aleksandrov, S.I., Luk'yanov, V.V. Determination of the characteristics of low-cycle fatigue using digital computers 9—100263
Levin, O.A., Sokolov, B.B. Analysis of peculiarities of automating processing of moire band maps 9—50681
Levin, P.P. *see* Kuzmin, V.A. 9—79228
Levin, R. *see* Davidov, D. 9—99765
Levin, R.L., Steponkus, P.L. The water permeability of biological cells during freezing and thawing 9—92197
Levin, S. *see* Elliott, L.L. 9—86305
Levin, V. *see* Norman, D. 9—92360
Levin, V.I., Tairov, Yu.M., Travadzhyan, M.G., Tsvetkov, V.F., Chernov, M.A. Growing monocrystalline bars of SiC from the gas phase 9—95912
Levin, V.Yu. *see* Andrianov, K.A. 9—65012
Levina, L.E., Sazhin, S.G. General characteristics and problems of modern leak detection technology 9—52588
Levina, L.E. *see* Evlampiev, A.I. 9—52596
Levina, M.D., Furman, Sh.A., Korolev, N.V. Effect of stoichiometric composition of thin films on the variation of optical properties of interference coatings with time 9—99963
Levina, N.S. *see* Sekanov, Yu.P. 9—75538
Levina, T.G., Fomin, Yu.A. Calculation of the characteristics of hadron families 9—80160
Levina, T.G., Fomin, Yu.A., Khristiansen, G.B., Vdovchik, E., Kempa, Ya., Piotrovska, A. Sensitivity of characteristics of hadron and γ-ray families to superhigh energy hadron interaction model 9—96873
Levina, T.G. *see* Wdowczyk, J. 9—80158
Levine, A., Sanders, W.R. The MISS speech synthesis system 9—64442
Levine, A. *see* Byrne, P. 9—67118
Levine, B.F., Bethea, C.G., Thurmond, C.D., Lynch, R.T., Bernstein, J.L. An organic crystal with an exceptionally large optical second-harmonic coefficient: 2-methyl-4-nitroaniline 9—76750
Levine, B.F. *see* Bethea, C.G. 9—76698
Levine, E. *see* Young, M. 9—61604
Levine, G. *see* Gumerman, L.W. 9—70613
Levine, H. On the theory of Kirchhoff's method for the determination of electrical conductivity 9—64170
Levine, H., Yaffe, L.G. Higher-order instanton effects 9—49400
Levine, H. *see* Leppington, F.G. 9—50486
Levine, J. *see* Bender, P.L. 9—79723
Levine, J. *see* Moody, S.E. 9—80053
Levine, J.S., Boughner, R.E. The effect of paleoatmospheric ozone on surface temperature 9—96807
Levine, J.S., Hays, P.B., Walker, J.C.G. The evolution and variability of atmospheric ozone over geological time 9—96788
Levine, J.S., Hughes, R.E., Chameides, W.L., Howell, W.E. N_2O and CO production by electric discharge: atmospheric implications 9—96786
Levine, J.S., MacNichol, E.F., Jr., Kraft, T., Collins, B.A. Intraretinal distribution of cone pigments in certain teleost fishes 9—74667
Levine, M.D., Youssef, Y.M. An automatic picture processing method for tracking and quantifying the dynamics of blood cell motion 9—53074
LeVine, M.J. *see* Bond, P.D. 9—67734
Levine, M.M. *see* Lu, M.S. 9—89442
Levine, M.W., Vessot, R.F., Mattison, E.M. Performance evaluation of the SAO VLG-11 atomic hydrogen masers 9—55098
Levine, M.W. *see* Shefner, J.M. 9—100606
Levine, M.W. *see* Vessot, R.F.C. 9—49152
Levine, R., Tomozawa, Y. Effective potential for heavy-quark-antiquark bound systems 9—49477
Levine, R., Tomozawa, Y. Mass dependence of leptonic decay widths for quark-antiquark bound states 9—49488
Levine, R.D. Free energy activation. Definition, properties, and dependent variables with special reference to 'linear' free energy relations 9—74349
Levine, R.D. *see* Agmon, N. 9—49183

Levine, R.H. Spatial distribution of large-scale solar magnetic fields and their relation to the interplanetary magnetic field 9—84772
Levine, R.P. *see* Dahl, C.E. 9—100584
Levine, R.S., King, A.I., Tennyson, S.A. A simplified method of attaching accelerometer packages to bone 9—70717
Levine, S. The role of risk assessment in the nuclear regulatory process 9—71906
Levine, S. *see* Outhwaite, C.W. 9—74391
Levine, S.H. *see* Huang, H.Y. 9—85641, 9—85642
Levine, S.H. *see* Lee, B.W.-T. 9—59290
Levine, S.S., Gallios, G. Three-dimensional inspection by a revolutionary optical surface measurement technique 9—86272
Levinger, J.S. Modified quasi-deuteron model 9—49619
Levinger, J.S. Photodisintegration of the alpha particle 9—67742
Levinger, J.S. Photo-disintegration of the alpha particle 9—75975
Levinger, J.S., Lichtenstein, R.M. Intuitive understanding of Pauli's σ matrices 9—97153
Levinksy, H.B., Brenner, H.C. Spin relaxation in photo-excited triplet states via vibronic excitation: rotation of spin axes 9—78503
Levinsen, M.T. *see* Bindslev Hansen, J. 9—91186
Levinsen, M.T. *see* Mygind, J. 9—95547
Levinskii, Yu.V. A mechanism hindering boundary sliding in porous polycrystalline solids 9—95962
Levinskii, Yu.V. Growth kinetics of a surface film during the annealing of a mixture of a metal powder and a decomposing oxide 9—96216
Levinson, A.A., Bland, C.J. Examples of the variability of disequilibrium and the emanation factor in some uraniferous materials 9—62498
Levinson, D.M. *see* Chernovetz, M.E. 9—100669
Levinson, F. *see* Seitzer, P. 9—75149
Levinson, H.J., Gustafsson, T., Soven, P. Calculated photoionization cross sections for SF_6 9—54923
Levinson, I.B. *see* Bakanas, R.K. 9—56615
Levinson, J. *see* Lepek, A. 9—69546
Levinson, L.M. *see* Jacobs, I.S. 9—83544
Levinson, L.M. *see* Mahan, G.D. 9—78192
Levinson, L.M. *see* Philipp, H.R. 9—56231
Levinson, S.E., Rosenberg, A.E. A new system for continuous speech recognition—preliminary results 9—64420
Levinson, S.E. *see* Rabiner, L.R. 9—86303
Levinson, Y.B. *see* Gantmakher, V.F. 9—60780
Levintov, I.I. *see* Zhurkin, V.V. 9—89313
Levintov, M.A., Tsyrlin, L.E. Kinetics of the ambipolar photoelectric current in a semiconductor with traps 9—91101
Levinzon, D.I., Lisovskaya, T.D., Fattakhov, E.A., Shershel', V.A. Influence of volume factors on mechanical strength of monocrystalline Ge 9—87682
Levit, B.I. *see* Tumanov, B.N. 9—81404
Levit, B.Ya., Samarov, A.M. Estimation of spectral functions 9—75324
Levit, O.I. *see* Barnaveli, T.T. 9—84603
Levitan, E., Degani, J., Zak, J. Regularization in Fourier-synthesis 2-D image reconstruction 9—74748
Levitan, R.E. *see* Kai-ching Chu 9—57542
Leviti, M.H., Freeman, R. NMR population inversion using a composite pulse 9—93197
Levitin, L.B. Quantum amount of information and maximum work 9—63142
Levitin, R.S. Conjugated nonstationary heat exchange with pulsating fluid flow in circular tube 9—68817
Levitin, R.Z. *see* Andreev, A.V. 9—56527
Levitin, R.Z. *see* Bar'yakhtar, V.G. 9—82785
Levitin, R.Z. *see* Deryagin, A.V. 9—51836
Levitin, V.V., Orzhitskaya, L.K. Mechanism for creep in refractory alloys 9—52299
Levitin, V.V., Orzhitskaya, L.K., Pospelova, L.I. X-ray investigation of temperature dependence of atomic displacements, characteristic temperature and lattice spacing for the Ni_3Al intermetallide-base phases 9—90598
Levitskii, R.R. *see* Stasyuk, I.V. 9—51210
Levitsky, M., Shaffer, B.W. Transient thermal stresses in a chemically hardening material cast within an elastic cylindrical mold 9—72817
Levitsky, S. *see* Abrams, S.G. 9—88113
Levitt, M. *see* Prunell, A. 9—79467
Levitt, R.G. *see* Karstaedt, N. 9—92364
Levitz, N. *see* Ozakcay, L. 9—62102
Levkin, L.V. *see* Gilyarov, O.N. 9—50287, 9—50288
Levkoev, I.I. *see* Lifshits, E.B. 9—67418
Levman, G. *see* Biswas, N.N. 9—63556
Levola, T. *see* Kukkonen, A. 9—87454
Levoni, S. *see* Graffi, S. 9—59395
Levonian, S.V. *see* Boos, E.G. 9—89203
Levonovich, B.N. *see* Kornitskii, A.G. 9—87493
Levshakov, A.M. On heat and mass transfer in a suspension of matter in gas with capillary-porous particles 9—87885
Levshakov, S.A. *see* Varshalovich, D.A. 9—101216
Levshin, A. *see* Brodskii, M. 9—92624
Levshin, L.V. *see* Bryukhanov, V.V. 9—54896, 9—56847, 9—99931
Levshin, L.V. *see* Ryzhikov, B.D. 9—64032
Levshin, L.V. *see* Senatorova, N.P. 9—54885
Levstik, A., Zeks, B., Levstik, I., Blinc, R., Filipic, C. Dielectric dispersion in ferroelectric liquid crystals 9—91385
Levstik, A. *see* Blinc, R. 9—78635
Levstik, A. *see* Filipic, C. 9—78607
Levstik, A. *see* Kind, R. 9—99313
Levstik, A. *see* Zeks, B. 9—95714
Levstik, I. *see* Levstik, A. 9—91385
Levy, A. *see* Gotsman, E. 9—49497
Levy, A.C., Rybolt, T.R., Pierotti, R.A. High-temperature physical adsorption of argon, krypton, and xenon on hexagonal boron nitride 9—73395
Levy, B., Greenfield, A.J. Constant-current supply of 3 ppm stability and resettability; application for a SQUID 9—67289
Levy, B. *see* Douady, J. 9—59335
Levy, B. *see* Simhony, M. 9—54187
Levy, B. *see* Zair, E. 9—56362
Levy, D.H. *see* Coxon, J.A. 9—63985
Levy, D.H. *see* Sharfin, W. 9—100410
Levy, D.H. *see* Tellinghuisen, J. 9—98140
Levy, F. *see* Adduci, F. 9—69463
Levy, F. *see* Bertrand, Y. 9—95798
Levy, F. *see* Campagnoli, G. 9—95738
Levy, F. *see* Cingolani, A. 9—51933
Levy, F. *see* Le Chi Thanh 9—95450
Levy, F. *see* Margaritondo, G. 9—56914
Levy, G.C. *see* Hochmann, J. 9—93191
Levy, H., II, Mahlman, J.D. A preliminary report on the numerical simulation of the three-dimensional structure and variability of atmospheric N_2O 9—58006
Levy, J.C.S., Diep-The-Hung Magnons in surface-rearranged ferromagnetic thin films 9—69702
Levy, J.C.S. *see* Diep-The-Hung 9—78452
Levy, J.M. *see* Corden, M.J. 9—75768
Levy, L.L., Jr. *see* Seegmiller, H.L. 9—59999
Levy, L.M. *see* Moskowitz, G.W. 9—100723
Levy, M. *see* Salvo, H.L., Jr. 9—55848
Levy, M. *see* Treder, R. 9—91279
Levy, M. *see* Treder, R.A. 9—55837
Levy, P.M., Morin, P., Schmitt, D. Large quadrupolar interactions in rare-earth compounds 9—61583
Levy, P.M. *see* Raghavan, R. 9—78372
Levy, R., Honerlage, B., Grun, J.B. Time-resolved exciton-biexciton transitions in CuCl 9—69883
Levy, R.M., Karplus, M., McCammon, J.A. Diffusive Langevin dynamics of model alkanes 9—86671
Levy, T. Propagation of waves in a fluid-saturated porous elastic solid 9—81750
Levy, U., Friesem, A.A. Direct picture transmission in a single optical fiber with holographic filters 9—89871
Levy, U. *see* Silberberg, Y. 9—90010
Levy, Y. *see* Adler, D. 9—77304
Levy, Y. *see* Riviere, D. 9—64986
Levy-Mandel, R. *see* Adams, J.B. 9—68064
Lew, H. *see* Arimondo, E. 9—98056
Lew, W.D. *see* Lewis, J.L. 9—62286
Lewandowski, A. Thermodynamic studies of zinc chloride in mixed aqueous solvents from electromotive force measurements. I. Methanol-water mixtures 9—52735
Lewanski, A.J. *see* Hopfinger, A.J. 9—87398
Lewcock, A.I. Neutron radiography: status report 9—79198
Lewerenz, H.J., Neff, H., Sass, J.K. On the scattering behaviour of low energy electrons produced by photoemission-into-electrolytes for gold and silver single crystal surfaces 9—74390
Lewerenz, H.J. *see* Kotz, R. 9—61338
Lewerenz, H.J. *see* Sass, J.K. 9—100024
Lewin, C. *see* Cochet, C. 9—80854
Lewin, C. *see* Givernaud, A. 9—58982
Lewin, G., Lassig, G., Woywode, N. The limit load method and its use in apparatus design 9—50688
Lewin, W.H.G. *see* Byrne, P. 9—67118
Lewin, W.H.G. *see* McClintock, J.E. 9—58442
Lewin, W.H.G. *see* Markert, T.H. 9—80243
Lewin, W.H.G. *see* Van Paradijs, J. 9—84871
Lewiner, C. *see* Bastard, G. 9—61094
Lewiner, J. *see* Cantaloube, B. 9—87379
Lewis, A. *see* Marcus, M.A. 9—62190
Lewis, A.L. Long-range ferromagnets near their lower borderline dimension 9—61131
Lewis, B.A. IFECS—interactive software for modelling thermal stress problems 9—80440
Lewis, B.G., Davies, H.A., Ward, K.D. The crystallisation and associated changes in ductility of some Fe-Ni-B glassy alloys 9—73103
Lewis, B.L. *see* Bahl, L.R. 9—64421
Lewis, B.M. Isothermal clusters of galaxies 9—53918
Lewis, B.R., Carver, J.H., Hobbs, T.I., McCoy, D.G., Gies, H.P.F. Experimentally determined socillator strengths and linewidths for the Schumann-Runge band system of molecular oxygen. II. The (2-0) to (5-0) bands 9—98120
Lewis, B.T.R., Snydsman, W.E. Fine structure of the lower oceanic crust on the Cocos Plate 9—88337
Lewis, C.A., Ellis, R.E. Additions to the Snyder mathematical phantom 9—92384
Lewis, C.H. *see* Murray, A.L. 9—60002
Lewis, C.H. *see* Waskiewicz, J.D. 9—98746
Lewis, C.L.S. *see* Key, M.H. 9—68937
Lewis, C.W. *see* Kennedy, J.H. 9—53279
Lewis, D. *see* Fischer, C. 9—68003
Lewis, D.A., Tonn, J.F., Kaufman, S.L., Greenlees, G.W. Photon-burst method in high-resolution laser spectroscopy 9—72446
Lewis, D.A. *see* Clark, D.L. 9—93943
Lewis, E.A.S., Strong, H.M., Brown, G.H. Volume measurements and transitions of MBBA at high pressures 9—90764
Lewis, E.E. *see* Blomquist, R.N. 9—59108
Lewis, F.A., Leitch, W.F.N., Murray, A. Electrolytic hydrogen isotope separation factors and efficiency of exchange between D_2O and hydrogen (protium) at palladium electrodes 9—50149
Lewis, F.H., Jr. *see* Alvarez, R.A. 9—89289
Lewis, G. Corrosion of a low-carbon steel close-coiled helical spring 9—52428
Lewis, G., Chappell, M.J. An ellipsometric study of the films formed on a iron-chromium alloy in orthophosphoric acid 9—74290
Lewis, G.J., Phillips, D., Duke, E. Cryogenic fuelled power packs for operating pneumatic tools 9—58715
Lewis, G.M. *see* Evangelista, C. 9—75788, 9—80843
Lewis, G.W., Colligon, J.S., Paton, F., Nobes, M.J., Carter, G., Whitton, J.L. The life cycle of copper cones 9—51171
Lewis, H.L. *see* DaGue, M.G. 9—100340
Lewis, H.R., Symon, K.R. Linearized analysis of inhomogeneous plasma equilibria: general theory 9—50878
Lewis, H.R., Turner, L. Formulation of the linearized Vlasov-fluid model for a sharp-boundary screw pinch 9—60168
Lewis, H.W., Budnitz, R.J., Kouts, H.J.C., Loewenstein, W.B., Rowe, W.D., von Hippel, F., Zachariasen, F. Risk Assessment Review Group report to the US Nuclear Regulatory Commission 9—97821
Lewis, I.C. Thermotropic mesophase pitch 9—95127
Lewis, I.C., Kovac, C.A. Liquid crystal transitions of p-sexiphenyl 9—82322
Lewis, I.C., Kovac, C.A. The role of free radicals and molecular size in mesophase pitch 9—90523
Lewis, I.C. *see* Angell, C.L. 9—91416
Lewis, I.C. *see* Kovac, C.A. 9—94868
Lewis, I.C. *see* Singer, L.S. 9—96045
Lewis, J., Jenkins, T.E. The Raman spectra of some hexa-aquo metal(II) hexafluorosilicate(IV) ($M(H_2O)_6SiF_6$) salts between 10K and 300K 9—61369
Lewis, J. *see* Dong, R.Y. 9—90529
Lewis, J.Courtenay *see* Courtenay Lewis, J.
Lewis, J.D. The growth of pure bromide monosize emulsions 9—79312
Lewis, J.E., Ho, P.S. Preferred sputtering on binary alloy surfaces of the Al-Pd-Si system 9—83078
Lewis, J.E., Lasjaunias, J.C. Thermal diffusivity of vitreous silica (16 mK<T<2.3K) 9—60563
Lewis, J.E., Lasjaunias, J.C., Shumacher, G. Short time scale transient temperature profiles in high purity vitreous silica: a time dependent specific heat 9—60519
Lewis, J.E., Rheingold, A.L. Low-frequency dielectric response of an organoarsenic polymer $(CH_3As)_x$ 9—56719
Lewis, J.E. *see* Ho, P.S. 9—87552
Lewis, J.E. *see* Olowolafe, J.O. 9—56308
Lewis, J.F. *see* Jones, L.M. 9—57927
Lewis, J.H. *see* Matteson, H.H. 9—53132
Lewis, J.L., Lew, W.D. A method for locating an optimal 'fixed' axis of rotation for the human knee joint 9—62286
Lewis, J.L. *see* Ziegert, J.C. 9—62415
Lewis, J.M., Bloom, S.C. Incorporation of time continuity into subsynoptic analysis by using dynamical constraints 9—79987
Lewis, J.O. Solar energy developments in Ireland 9—57378
Lewis, J.S., Fegley, F., Jr. Hot-atom synthesis of organic compounds on Jupiter 9—101109
Lewis, J.S. *see* Fegely, B., Jr. 9—66956
Lewis, J.T. *see* Ford, G.W. 9—54058, 9—54062
Lewis, J.W. *see* Gradman, A.H. 9—70661
Lewis, K.D., Adler, L. Experimental aspects of the Born approximation theory for elastic-wave scattering from flaw 9—100307
Lewis, L.J. *see* Bryan, K. 9—79848
Lewis, L.J. *see* Song, K.S. 9—82529
Lewis, M. *see* Browning, I. 9—55292
Lewis, M.B., Perkins, R.A. The use of nuclear reactions to trace the source of oxygen in anodization 9—52683
Lewis, M.B., Perkins, R.A. The source of oxygen in the anodization of vanadium 9—100389
Lewis, M.F. *see* Browning, T.I. 9—56060
Lewis, M.H., Metcalf-Johansen, J., Bell, P.S. Crystallization mechanisms in glass-ceramics 9—90559
Lewis, N.R. *see* Misra, S.K. 9—91003
Lewis, P.T. Effect of frame construction on the sound insulation of unsealed windows 9—68485

Lewis, R. *see* Pratap, M. 9—63512
Lewis, R.A., Lam, P.S., Khan, E.U., McCarthy, P.B., Stahl, D., Parker, E.F. A preliminary study of the accelerator-breeder concept 9—81059
Lewis, R.A. *see* Cuatis, C.V. 9—89193
Lewis, R.Burton *see* Burton Lewis, R.
Lewis, R.D., Horgen, C.H. Optical sensor system simulation 9—76851
Lewis, R.M. *see* Hartley, C.J. 9—62318
Lewis, R.S. ESA update: Spacelab and Ariane 9—88565
Lewis, R.S. *see* Lee, E.K.C. 9—52711
Lewis, S., Sherman, W.F. Pressure-scanned Fermi resonances in the vibrational spectra of the sulphate ion 9—73937
Lewis, S. *see* Bertuccio, T. 9—54702
Lewis, S.A. *see* Clausen, C. 9—62201
Lewis, T.A. *see* Alsmiller, R.G., Jr. 9—54624
Lewis, T.J., Judge, A.S., Souther, J.G. Possible geothermal resources in the Coast Plutonic Complex of southern British Columbia, Canada 9—70429
Lewis, W.B. Early detectors and counters 9—72189
Lewis, W.F. *see* Bloor, D. 9—73922
Lewis, W.M., Jr., Grant, M.C. Sampling and chemical interpretation of precipitation for mass balance studies 9—84329
Lewitt, R.M. Ultra-fast convolution approximations for computerized tomography 9—66511
Lewonczuk, S. *see* Gross, J.G. 9—61402
Lewowski, T. *see* Grygorczyk, R. 9—78824
Ley, B.E. *see* Erickson, C.O. 9—88423
Ley, J. *see* Bibliocca, C. 9—49702
Ley, L. *see* Azoulay, J. 9—78846
Ley, L. *see* Cardona, M. 9—61495
Ley, L. *see* Riley, J.D. 9—95315
Ley, L. *see* Cardona, M. *(editor)* 9—61494
Ley-Koo, E., Rubinstein, S. The hydrogen atom within spherical boxes with penetrable walls 9—84987
Ley-Koo, E. *see* Avilez, C. 9—63464
Leycuras, C. *see* Picard, J. 9—61039, 9—65841
Leydig, R.L. *see* Carpenter, R.L. 9—70726
Leye, W. *see* Schwabe, K. 9—96491
Leyendekkers, J.V. Rayleigh-Brillouin scattering and compressibility of water 9—91455
Leykin, A.N. *see* Berzinsh, V.A. 9—83187
Leyko, M.A. *see* Daisey, J.M. 9—79434
Leyko, W. *see* Jozwiak, Z. 9—57718
Leyko, W. *see* Retelewska, W. 9—92301
Leysen, R. *see* Vandenborre, H. 9—74396
Lezhnenko, I.V. *see* Belous, N.A. 9—82716
Lezhnenko, I.V. *see* Kudryavtsev, Yu.V. 9—65942
Lezin, V.I. Increase in accuracy of spectral analysis by the Kler method 9—70393
Lezina, V.G. *see* Vinogradova, N.K. 9—52535
Lezniak, J.A. The extension of the concept of the cosmic-ray path-length distribution to nonrelativistic energies 9—88558
Lezniak, J.A., Webber, W.R. Evidence for the deficiency of short cosmic ray pathlengths and a physically realistic explanation—the no-near-sources model 9—84596
Leznov, A.N., Saveliev, M.V. Cylindrically symmetric instantons for the gauge groups of rank 2 (SU(3), O(5) and G_2) 9—58877
Leznov, A.N., Saveliev, M.V. Exact monopole solutions in gauge theories for an arbitrary semisimple compact group 9—71599
L'Haridon, H. *see* Favennec, P.N. 9—78184
l'Heritier, P., Fruchart, D., Madar, R., Fruchart, R. Electronic instability in manganese compounds of the metallic perovskite type. Relationship with valency changes in the rare earth compounds 9—100123
Lhermitte, C., Vautier, C. Contribution to the study of impurity levels in CdTe films: a material for γ-ray detectors and solar cells 9—82557
L'Hoir, A. *see* Schmaus, D. 9—86828
L'Huillier, J.P. *see* Aubry, J.F. 9—92411
L'Huillier, J.P. *see* Vera, J.C. 9—62312
Lhuillier, M. *see* Bregeon, M. 9—97843
Li, C.C. *see* Fong, C.P. 9—88182
Li, C.F. *see* Kuo, Y.C. 9—73777
Li, C.H., Tong, S.Y. Analysis of resonancelike peaks in angle-resolved ultraviolet photoemission spectroscopy from absorbed atoms 9—69955
Li, C.H., Tong, S.Y. Selective structural sensitivity and simplified computations of angle-resolved ultraviolet photoemission spectroscopy 9—91567
Li, C.H. *see* Tong, S.Y. 9—87562
Li, C.T., Chattophadhyay, P.K., Klein, A., Vassanji, M.J. Nonlinear generalization of the quasiparticle random phase approximation for description of anharmonic effects in vibrational nuclei: method 9—63579
Li, C.T., Klein, A. Nonlinear generalization of the quasiparticle random phase approximation for description of anharmonic effects in vibrational spectra: application to the even Ni isotopes 9—63580
Li, C.Y. *see* Keusseyen, R.L. 9—52312
Li, F.K. *see* McClintock, J.E. 9—58442
Li, F.K. *see* Markert, T.H. 9—80243
Li, I. *see* Barber, D.P. 9—89175
Li, J. *see* Barber, D.P. 9—97631
Li, J.C.M. *see* Chang, B.T.-A. 9—66110
Li, J.C.M. *see* Chau, C.C. 9—70117, 9—100212
Li, J.C.M. *see* Chu, S.N.G. 9—91743
Li, K.K. *see* Carroll, A.S. 9—63511
Li, M.C. The determination of a wave packet 9—71267
Li, M.Siu *see* Siu Li, M.
Li, P.L., Halder, N.C. Frequency response characteristics of amorphous germanium thin films 9—56334
Li, P.W., Anderson, R.A., Plovnick, R.H. Dielectric constant of $CuInSe_2$ by capacitance measurements 9—61292
Li, Q.Z. *see* Barber, D.P. 9—89175, 9—97631
Li, S. *see* Jones, D.I. 9—60834
Li, S.K. Method of calculating the invariant spectrum of an image 9—94156
Li, T. The coming of age of optical-fiber transmission 9—98487
Li, Y.-H. *see* Peng, T.-H. 9—79875
Li, Y.S. *see* Durig, J.R. 9—89663
Li Bing-an Ward identities and Bethe-Salpeter equations and the electromagnetic transition elements of mesons and baryons 9—63375
Li Bing-An Ward identities and electron deep inelastic scattering processes 9—93431
Li Bing-An, Ruan Tong-Ze Wave functions without SU_6 symmetry in the straton model and their applications 9—49489
Li Bing-an *see* Yu Hong 9—63434
Li Bo-gen *see* Zhu Yong-qi 9—79867
Li Cheng-hsian *see* Chao Ke-kung 9—59718
Li Cheng-yi *see* Zhu Yong-qi 9—79867
Li Ching-Chung, Yu Shou-Peng, Liu Wen-Lin, Liu Cheng-Zheng A case history of seismic survey on Dong-Xing oil field. A practical example of 3-D seismic interpretation on a complex fault block structure 9—100833
Li Ching-teh *see* Ching-teh Li
Li Chun-zhi The matrix analysis of rotation twins 9—73174
Li Chun-zhi A useful method for indexing electron diffraction patterns 9—90499
Li Da-zhou *see* Yeh Da-nian 9—84264
Li De siou Determination of structure of noncrystalline metals by X-ray diffraction method 9—82126
Li Fa-wei *see* Wu Zhong-li 9—59088
Li Fang-hua High resolution electron micrographs 9—80732
Li Fang-Hua, Fan Hai-Fu Image deconvolution in high resolution electron microscopy by making use of Sayre's equation 9—67430
Li Fang-quan, Wang Lian-jie Stress measurements in north China 9—88312
Li Gen-Dao *see* Chen Shi 9—93021, 9—93027
Li Gendao *see* Zou Zhenlong 9—80493
Li Guang-lie, Shen Jian-ping Some probable approaches to the production of hypersymmetry states 9—80956
Li hong-fang *see* Sun Xin 9—90931
Li Hua-yu, Xu Chao-yi, Shu Ji-zu, Hu Jin-ming On the capability of holographic phase-shift interferometric technique in the visualization of low density flows 9—72964
Li Huazhong *see* Guo Shuohong 9—63378
Li Hung-Cheng Influence of effective phonon spectrum $a^2F(\omega)$ on T_c of superconductors 9—51707
Li Jing-yuan *see* Han Bao-shan 9—71429
Li Jingde The electronic structure and piezoelectric constants of cubic ZnS 9—56122
Li Ke-Long *see* Feng De-Yi 9—62435
Li Kuang-Pang *see* Kuang-Pang Li
Li Ling-Fong *see* Ling-Fong Li
Li Ming-chien, Sheng Kang-lung, Ching Chun-fa, Chen Chi-hsiang, Chin Po-kang, Jung Ting-wen, Wang Hsueh-ping Determination of trace elements in environmental samples by proton induced X-ray emission analysis 9—61925
Li Pang-ho Global analysis of shock waves 9—64699
Li Pei-Zi *see* Ma Da-You 9—50785, 9—55367
Li Ping-Yi *see* Duan Xing-Bei 9—100963
Li Qi-Bin Cyg X-1—the remnant of the historical supernova of 1408 9—80343
Li Qing-yang *see* Zhao Fang-xiong 9—96838
Li Shao-hua *see* Zhang Qi 9—74890
Li Si Khyb *see* Zakharov, A.M. 9—52167
Li Tien-Kai *see* Tien-Kai Li
Li Wann-Quan *see* Wann-Quan Li
Li Wen-Xiu *see* Tang Di-Sheng 9—52175
Li Wen-xuan, Wang Jia-jun Numerical solution and discussion of the flow field in a large shock tube of variable cross sectional area 9—72908
Li Wenlong *see* Dong Xianquan 9—81827
Li Xi-kui, Zheng Zhe-zhu Progress and state of the hadron composite model theory 9—97591
Li Xiao-Qing *see* Peng Qiu-He 9—80349
Li Yang-Guo, Liu Xian-Hui, Lin Chun-Can Elastic scattering and polarization of high energy proton from ^4He 9—49628
Li Yang-guo *see* Liu Bo 9—59069
Li Yang-guo *see* Liu Xian-hui 9—93626
Li Yang-guo *see* Ma Wei-xing 9—59092
Li Yin-yuan *see* Xu Zheng-yi 9—69782
Li Yinting, Guan Dexiang Driving mechanism for sea floor spreading 9—100824
Li Yong-hong *see* He Yi-zhen 9—96121
Li Yong-hong *see* Lin An-sheng 9—54236
Li Yong-jin *see* Xu Zheng-yi 9—69782
Li Yuan-Hui *see* Yuan-Hui Li
Li Zhao *see* Zhao Li
Li Zheng-Min The spatial filtering of incoherent imaging system 9—72500
Li Zhi-Sen, Zhang Guo-Dong, Zhang Huan-Zhi, Liu Xue-Jun Correlation between the short anomalies of residuals of astronomical time and latitude and the major earthquakes around the observatories 9—62725
Li Zhong-Yuan *see* Wan Lai 9—80319
Li Zhong-zhen *see* Peng Hua-shou 9—76301, 9—93887
Li Zhu-xia *see* Chen Bao-qiu 9—59068
Li Zi-ping Approximate sequence for $U(t,t_0)$-operator 9—92925
Li Zong-quan *see* He Yi-zhen 9—96121
Li-de Zhang *see* Zhang Li-de
Li-ji Chen *see* Chen Li-ji
Li-ning Chang *see* Chang Li-ning
Li-nong Zhou *see* Zhou Li-nong
Li-shan Kang *see* Kang Li-shan
Li-Shang Chiang *see* Chiang Li-Shang
Li-sheng Dai *see* Dai Li-sheng
Li-Ting Chen Vapor-cooling of input leads for cryogenic apparatus 9—75534
Li-Yuan Zhang *see* Zhang Li-Yuan
Li-zen Zhou *see* Zhou Li-zen
Li-Zhi, F., Qin-Yue, Q., Zhen-Ru, W., Tan, L., Liao-Fu, L. The structure and stability of the abnormal neutron star 9—71063
Li-zhi Fang *see* Fang Li-zhi
Lian Chen *see* Chen Lian
Lian-Da Wu *see* Wu Lian-Da
Lian-fan Liu *see* Liu Lian-fan
Lian-fang Ye *see* Ye Lian-fang
Lian-jie Wang *see* Wang Lian-jie
Liang, C.F. *see* Morales, J. 9—97679
Liang, C.Y., Hung, Y.Y., Durelli, A.J., Hovanesian, J.D. Time-averaged moire method for in-plane vibrational analysis 9—68665
Liang, C.Y. *see* Hung, Y.Y. 9—58773
Liang, E.P.T. Nonlinear periodic waves in a self-gravitating fluid and galaxy formation 9—70946
Liang, E.P.T. On the hard X-ray emission mechanism of active galactic nuclei sources 9—97080
Liang, K.S. *see* Penwell, R.C. 9—95274
Liang, K.S. *see* Pfister, G. 9—60846
Liang, W.Y., Lucovsky, G., Mikkelsen, J.C., Friend, R.H. Infrared studies of $TiSe_2$: IR phonons and free carriers 9—61379
Liang, W.Y. *see* Bringans, R.D. 9—95884
Liang, W.Y. *see* Friend, R.H. 9—95410
Liang Biqi, Luo Huibang A meso-analysis of heavy rainfall over South China 9—53402
Liang Guo-ping Solution by lamination method—a new algorithm on the finite element method 9—72874
Liang Jing-Kui, Yu Yu-De, Ding Shi-Ling The structure and phase transitions of magnesium iodate crystals 9—51059
Liang Jing-Kui *see* Lu Xue-Shan 9—51048
Liang Jing-Kui *see* Tang Di-Sheng 9—52175
Liang Tse Yu *see* N'Diaye, A. 9—66301
Liang Youlin *see* Chao Jiping 9—84446
Liang Zhen-bin *see* Zheng Shun-xuan 9—81206
Liang-Chao Shen *see* Shen Liang-Chao
Liang-chen Chen *see* Chen Liang-chen
Liang-Kui Fu *see* Fu Liang-Kui
Liang-Ru Pan *see* Pan Liang-Ru
Liao, N.S. *see* Addabbo, C. 9—49726
Liao Chih-cheeh *see* T'ung Wei 9—79759
Liao Qian-Chu, Wang Yun, Wang Hong-Jun The electron channelling map of tungsten and the anomalous patterns observed 9—73229
Liao Wei-Hsi *see* Wei-Hsi Liao
Liao-Fu, L. *see* Li-Zhi, F. 9—71063
Liao-fu Lo *see* Lo Liao-fu
Liard, J. *see* Lambert, A. 9—79724
Liard, M. *see* Oelhafen, P. 9—74062
Liard, M. *see* Schlegel, A. 9—87464
Liau, Z.L., Tsaur, B.Y., Lau, S.S., Golecki, I., Mayer, J.W. Redistribution of very thin Sb-layers in Si after laser annealing: a theoretical model and preliminary experimental results 9—69147
Liau, Z.L., Tsaur, B.Y., Mayer, J.W. Laser annealing for solid-phase thin-film reactions 9—51438
Liau, Z.L., Tsaur, B.Y., Mayer, J.W. Laser annealing for solid-phase thin-film reactions 9—70364
Liau, Z.L., Tsaur, B.Y., Mayer, J.W. Influence of atomic mixing and preferential sputtering on depth profiles and interfaces 9—78806
Liau, Z.L. *see* Tsaur, B.Y. 9—69143, 9—90682
Liau Liu *see* Liu Liau
Liaw, J.R., England, T.R. Calculations of delayed-neutron yields from ENDF/B-VC 9—67798
Liaw, P.K. *see* Chawla, K.K. 9—100244
Liaw Lih-Huei *see* Lih-Huei Liaw
Libby, R.A. *see* Lloyd, R.C. 9—63773
Libby, S.B., Sterman, G. Cancellation of infrared divergences in massive-quark potential scattering 9—71707
Libby, W.F. Plasma chemistry 9—79241
Libchaber, A. *see* Balibar, S. 9—56035

Libchaber, A. *see* Castaing, B. 9—51328
Libchaber, A. *see* D'Humieres, D. 9—55961
Libchaber, A. *see* Maurer, J. 9—90255
Libelo, L.F. *see* Hunter, P.E. 9—78292
Libenson, M.N. Thermochemical instability in an optically heated condensed medium 9—66282
Libenson, M.N. *see* Bonch-Bruevich, A.M. 9—65884
Liber, T. *see* Daniel, I.M. 9—83295
Liberati, G. *see* Giannatiempo, A. 9—54406
Liberles, A., Berke, C.M., Streitwieser, A., Jr. The role of self-correlation in estimates of correlation energies via one-electron functionals 9—89612
Liberman, A. *see* Chestnut, R. 9—89531
Liberman, A.B. *see* Bashkirov, Sh.Sh. 9—91232
Liberman, A.M. *see* Dorman, M.F. 9—81650
Liberman, F. *see* Cooper, L.N. 9—83772
Liberman, M.A. Theory of normal ionizing shock waves 9—94797
Liberman, N.N. *see* Morozov, A.I. 9—73547
Liberman, S., Pinard, J. Experimental studies of high-lying Rydberg states in atomic rubidium 9—94101
Liberman, S. *see* Feneuille, S. 9—59410
Liberman, S. *see* Luc-Koenig, E. 9—93953
Liberman, Ye.A. Bioenergetics and proton-electron systems of the membranes 9—57596
Liberman, Ye.A., Minina, S.V., Shklovskii, N.Ye. Depolarization of the neural membrane on exposure to cyclic 3′,5′-adenosine monophosphate and its possible role in the work of the molecular computer (m.c.) of the neurone 9—53075
Liberti, G. *see* Delfino, B. 9—91357
Libertini, S.H., Tu, K-N. Gettering oxygen at low temperatures [for annealing furnaces] 9—100160
Liberto, S.Di *see* Di Liberto, S.
Liblik, P.Kh. *see* Lushchik, Ch.B. 9—87483
Liboff, A.R., Chopp, M. Should the premed requirements in physics be changed? 9—58458
Liboff, R.L. Fusion via metallic deuterium 9—67806
Liboff, R.L. Criteria for neutron fusion 9—93823
Librescu, L. Unsteady magnetoaerodynamic forces on an oscillating circular cylindrical shell of finite length. III. Dynamic response problem 9—64776
Librescu, N.L. Unsteady magnetoaerodynamic forces on an oscillating circular cylindrical shell of finite length. II. Transient solution 9—64775
Librovich, N.B., Sakun, V.P., Sokolov, N.D. H^+ and OH^- ions in aqueous solutions. Vibrational spectra of hydrates 9—73916
Liburdy, J.A., Groff, E.G., Faeth, G.M. Structure of a turbulent thermal plume rising along an isothermal wall 9—81890
Liburdy, R.P. Radiofrequency radiation alters the immune system: modulation of in vivo lymphocyte migration by whole-body hyperthermic radiation 9—100668
Libus, W., Libus, Z. Aqueous solutions of transition metal salts of the Mn-Zn series; equilibrium properties, structure 9—61894
Libus, Z. *see* Libus, W. 9—61894
Licari, J.J. Polaron self-energy in a dielectric slab 9—56144
Lichard, P., Masejova, A., Pisut, J., Cvach, J., Valkarova, A. Antiproton-proton interactions at 22.4 GeV/c and the quark-parton model of multiparticle production 9—97639
Lichard, P. *see* Cerny, V. 9—71687, 9—80791, 9—93363, 9—97570
Lichene, F., Dellepiane, G., Lorenzelli, V. Normal coordinates calculation and valence force field for propyne, propargyl halides, butyne-2, halobutyne-2, and 1,4-dihalobutyne-2 9—72294
Lichnewsky, A. On the problem of calculating the variations occurring in the study of plasticity 9—53978
Licht, R.H. *see* Biggers, J.V. 9—96169
Lichte, H., Mollenstedt, G. Measurement of the roughness of supersmooth surfaces using an electron mirror interference microscope 9—93260
Lichten, S.M., Liller, M.H., Freeman, K.C. The eclipsing binary V78 omega Centauri 9—97030
Lichten, S.M. *see* Rodriguez, L.F. 9—84832
Lichtenau, L., Faust, U. The evaluation of the desmodontal gap and its changes in the X-ray image of the human mandible with the aid of a data-processing system 9—62337
Lichtenberg, B.K., De Luca, C.J. Distinguishability of functionally distinct evoked neuroelectric signals on the surface of a nerve 9—57623
Lichtenberg, D.B., Newton, R.G. Comment on a 'New test of the synchronization procedure in noninertial systems' 9—53974
Lichtenstadt, J., Heisenberg, J., Papanicolas, C.N., Sargent, C.P., Courtemanche, A.N., McCarthy, J.S. High-spin states of $J^\pi=12^-$, 14^- in ^{208}Pb studied by (e,e′) 9—93490
Lichtensteiger, M. *see* Lagowski, J. 9—77921
Lichtensteiger, M. *see* Walukiewicz, W. 9—56218
Lichtenstein, R.M. *see* Levinger, J.S. 9—97153
Lichtlen, P. *see* Hood, W.P., Jr. 9—70575
Lichtman, D., Shapira, Y. Photodesorption: a critical review 9—51424
Lichtman, D. *see* Hock, J.L. 9—86999, 9—90875
Lichtman, D. *see* Lin, T.T. 9—77874
Lichtner, P.C., Griffin, J.J., Schultheis, H., Schultheis, R., Volkov, A.B. The time dependent phases of TDHF solutions and the TDHF variational principle 9—93535
Lichtner, P.C., Griffin, J.J., Schultheis, H., Schultheis, R., Volkov, A.B. Variational derivation of a time-dependent Hartree-Fock Hamiltonian 9—93536
Lichtner, P.C. *see* Griffin, J.J. 9—93539
Licinska, I. *see* Lachnik, E. 9—96650
Lick, W. *see* Sheng, Y.P. 9—70816
Licznerski, B.W. An AC equivalent circuit for thin discontinuous metal films 9—51690
Lidbury, J.A. *see* Elliott, R.T. 9—68039
Liden, G. *see* Borg, E. 9—53159
Lidiard, A.B. Energy stored in irradiated NaCl 9—82264
Lidinsky, W.P. *see* Daly, R.T. 9—89558
Lidner, L. *see* Schimmel, A. 9—79651
Lidorenko, N.S., Nagaev, E.L. Intermediate state of materials undergoing a semiconductor-metal phase transition 9—90962
Lidorenko, N.S. *see* Abrosimov, V.M. 9—56252
Lidsky, L.M. *see* Cohn, D.R. 9—71971
Lidsky, L.M. *see* Uckan, N.A. 9—76120
Lidsky, L.M. *see* Was, G.S. 9—59256
Lidvanskii, A.S. *see* Alekseev, E.N. 9—80163, 9—80164
Lidvanskii, A.S. *see* Dzhappuev, D.D. 9—53688
Lidwell, O.M. Higher standards needed for clean air cabinets 9—67273
Lie, G.C. *see* Luh, W.T. 9—85953
Lie, S.G., Daams, J.M., Carbotte, J.P. Functional derivative of T_c with $N(\varepsilon)$ 9—56368
Lie, S.G. *see* Sprung, D.W.L. 9—93482
Lieb, B.J., Plendl, H.S., Stronach, C.E., Funsten, H.O., Lind, V.G. Evidence for the quasifree character of the $(\pi^\pm,\pi N)$ reactions on ^{12}C, ^{24}Mg, and ^{40}Ca 9—67665
Lieb, B.J. *see* McAdams, R.E. 9—85498
Lieb, B.J. *see* Otteson, O.H. 9—85519
Lieb, E.H. A lower bound for Coulomb energies 9—58912
Lieb, E.H. *see* Brezis, H. 9—50101
Lieb, E.H. *see* Heilmann, O.J. 9—95128
Lieb, K.P. *see* Bockisch, A. 9—71790
Lieb, K.P. *see* Hellmeister, H.P. 9—80863
Liebau, F. Silicates with branched anions: a crystallochemistry distinct class 9—57917
Liebe, H.J., Hopponen, J.D. Atmospheric medium characterization and modelling of EHF propagation in air 9—53504
Liebe, H.J., Rosich, R.K. Modelling of EHF propagation in clear air 9—58075
Liebenberg, D.H. A new hydrostatic medium for diamond anvil cells to 300 kbar pressure 9—97402
Lieber, A.J., Sutphin, H.D. Picosecond framing camera using a passive microchannel plate 9—49307
Lieberg, M. *see* Kim, S.-H. 9—49259
Lieberman, B. *see* del Papa, C. 9—49528
Liebermann, H.H. *see* Luborsky, F.E. 9—51832, 9—82820
Liebert, J., Angel, J.R.P., Hege, E.K., Martin, P.G., Blair, W.P. The moving emission features in SS433 require a dynamical interpretation 9—67034
Liebert, J., Kron, R.G., Spinrad, H. Spectrophotometry of VB10 and the optical spectral classification of low-luminosity M dwarfs 9—58339
Liebert, J., Sion, E.M. Is the relative frequency of magnetic white dwarfs higher among cool stars than hot stars? 9—84788
Liebert, J. *see* Humphreys, R.A.M. 9—67007
Liebert, L., Martinet, A. Coupling between nematic lyomesophases and ferrofluids 9—90526
Liebert, L. *see* Benattar, J.J. 9—86863
Liebl, H. An electrostatic radial field doublet lens 9—76573
Liebl, W. *see* Ebel, M.F. 9—65975
Lieblich-Soffer, N. *see* Reisfeld, R. 9—78732
Liebman, J.F. *see* Hyman, A.S. 9—52041
Liebman, P.A., Pugh, E.N., Jr. The control of phosphodiesterase in rod disk membranes: kinetics, possible mechanisms and significance for vision 9—79527
Liebmann, R. *see* Hornreich, R.M. 9—99716
Liedorp, J. *see* van Kampen, W.A. 9—54617
Liege, C.R.M. *see* Hancart, J. 9—87930
Lien, J. *see* Rekstad, J. 9—58999
Lien, J.R., Lovhoiden, G., Aareskjold, K., El Kazzaz, S., Ellegaard, C., Heyde, K., Waroquier, M., van Isacker, P., Vincx, H., Rekstad, J.R., Kleinheinz, P. Studies of single-neutron holes in the transitional nuclei N=83-89: the ^{142}Ce(d,t)^{141}Ce and ^{142}Ce(^{3}He,α)^{141}Ce pick-up reactions 9—85353
Lien, O.G. *see* Meyer, R.A. 9—71978
Lien Nguyen Van *see* Nguyen Van Lien
Lien-fang Chang *see* Chang Lien-fang
Lienard, A. *see* Boucher, B. 9—73682, 9—73683
Lienard, A. *see* Garoche, P. 9—65680
Lienard, J.S. *see* Mariani, J.J. 9—64423
Lienard, J.-S. *see* Haton, J.-P. 9—68509
Lienert, B.R., Wasilewski, P.J. A magnetic study of the serpentinization process at Burro Mountain, California 9—79814
Liengme, O., Ishikawa, M., Muller, J. Energy gap measurements on BCC MoRe alloys by tunnelling 9—56405
Lienhard, J.H., Eichhorn, R. On predicting boiling burnout for heaters cooled by liquid jets 9—59979
Lienhard, J.H., Hasan, M.M. On predicting boiling burnout with the mechanical energy stability criterion 9—81699
Liepins, R., Stannett, V.T., Wortman, J.J., Surles, J.R., Timmons, M.L., Morosoff, N. Poly(vinylidene fluoride) with low content of head-to-head chain imperfections 9—52148
Liepinsh, A.K., Peterkop, R.K. Electron impact excitation of autoionizing states in alkali atoms 9—54971
Liepin'sh, A.K. *see* Peterkop, R.K. 9—89789
Liepmann, H.W. The rise and fall of ideas in turbulence 9—98687
Liepsch, D., Zimmer, R. A method for the preparation of true-to-scale inflexible and natural elastic human arteries 9—53166
Lierl, H. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Lierl, H. *see* Groot, J.G.H. 9—93395
Liesegang, J. *see* Henke, B.L. 9—74034
Lieske, J.H. Poles of the Galilean satellites 9—66954
Lieske, N., Hezel, R. Surface states on Si(111) 7×7 studied by low-energy electron loss spectroscopy 9—60891
Lieske, N. *see* Hezel, R. 9—90905
Lietoila, A., Gibbons, J.F. The effect of free-carrier absorption on the annealing of ion-implanted silicon by pulsed lasers 9—55757
Lietoila, A. *see* Gat, A. 9—78798
Lietoila, A. *see* Gibbons, J.F. 9—73182, 9—90555
Lietoila, A. *see* Johnson, N.M. 9—69457
Lieuren, G.I. *see* Vavryshuk, Ya. 9—49597
Lieuvin, M. *see* Belmont, J.L. 9—54634
Lieuvin, M. *see* Raisbeck, G.M. 9—66714
Lifanov, I.I. *see* Gurevich, V.M. 9—86909
Lifanov, I.I. *see* Kim, A.G. 9—49225
Liflyandchik, B.I., Romanova, V.D., Startsev, G.P., Trilesnik, I.I. Use of computer techniques in quantometers now and in the future 9—80694
Lifshits, A.L. *see* Tsirlin, Yu.A. 9—72204
Lifshits, A.M., Shtern, V.N. Evolution of resonance disturbances in a Hartmann flow 9—90220
Lifshits, E.B., Shagalova. D.Ya., Yagupol'skii, L.M., Levkoev, I.I. Characteristics and structure of 1,1′,3,3′-tetraethyl- and 1,1′-diphenyl-3,3′-diethylimidacarbocyanines substituted in heterocyclic radicals 9—67418
Lifshits, M.N. *see* Buglaev, V.T. 9—85137
Lifshits, T.M. *see* Ivanov, V.Yu. 9—82635
Lifshits, T.M. *see* Kogan, Sh.M. 9—82623
Lifshits, Yu.B., Fonarev, A.S. Effect of flow boundaries on parameters of transonic flows around bodies of revolution 9—90275
Lifshitz, A., Skinner, G.B., Wood, D.R. Resonance absorption measurements of atom concentrations in reacting gas mixtures. I. Shapes of H and D Lyman-α lines from microwave sources 9—80698
Lifshitz, A. *see* Chi-Chang Chiang 9—92032
Lifshitz, J.M. *see* Holtzman, Z. 9—72747
Lifshitz, N., Maines, R.G. Hall measurements to 40 kilobars under hydrostatic pressure in a piston-cylinder device 9—67337
Lifson, S. *see* Gavish, B. 9—91962
Ligai, L.I. *see* Tonkonogov, M.P. 9—93163
Ligeon, E. *see* Bugeat, J.P. 9—55769
Ligeon, E. *see* Cachard, A. 9—96409
Ligeon, E. *see* Le Contellec, M. 9—90906
Liggatt, P.A.J., Macfarlane, A.J. Point splitting in a curved space-time background. I. Gravitational contribution to the axial anomaly 9—80491
Light, J.C., Altenberger-Siczek, A. Laser-collision induced chemical reactions: collinear exchange reaction model on two electronic surfaces 9—66313
Light, J.C., Walker, R.B., Stechel, E.B., Schmalz, T.G. R-matrix propagation methods in inelastic and reactive collisions 9—59534
Light, J.C. *see* Schmalz, T.G. 9—89769
Light, J.C. *see* Stechel, E.B. 9—91909
Lightbody, J.W., Jr. *see* Maruyama, X.K. 9—63661
Lightenberg, H.C., Snijder, J. Measurement arrangement for direct capacitance/surface-potential recording on m.o.s. capacitor 9—91143
Lightfoot, B.N. Infrared telescope 9—71207
Lighthill, J. Two-dimensional analyses related to wave-energy extraction by submerged resonant ducts 9—50743
Lighthill, J. A simple fluid-flow model of ground effect on hovering 9—94643
Lightowlers, E.C. *see* Henry, M.O. 9—78038
Lightowlers, E.C. *see* Mayer, A.E. 9—87469, 9—90965
Ligny, C.L.de *see* de Ligny, C.L.
Ligon, D.M. *see* Brogli, R.H. 9—49696
Ligon, J. Discrete and continuous interactions in charged particle transport theory 9—55467

Ligon, W.V., Jr. Extraction and analysis of organic cations from acid solution with strong electric fields and mass spectrometry 9—66390
Ligou, J. *see* Calinon, R. 9—63008
Ligt, G.C.L.van der *see* van der Ligt, G.C.L.
Ligtvoet, C., Bom, N., Rijsterborgh, H., Kappen, L. Real time ultrasonic imaging with a hand-held scanner. I. Technical description 9—62316
Lih-Huei Liaw *see* Berns, M.W. 9—66599
Lih-Syng Lee *see* Sinanoglu, O. 9—91914
Liid'ya, G.G., Soovik, T.A. Kinetics of triplet luminescence at ultralow temperatures 9—87482
Liiv, U.R. *see* Koppel', T.A. 9—68809
Likar, A., Martincic, R. Proton excitation of the isovector giant quadrupole resonance in ^{208}Pb 9—63647
Likes, R.S. *see* Fleischer, R.L. 9—53574
Likhachev, A.P. Supersonic flow in an MHD-generator channel with a slanted stream at the entrance 9—77429
Likhachev, M.F. *see* Birulev, V.K. 9—67547
Likhachev, R.B. *see* Krivusha, Yu.V. 9—52164
Likhachev, V.A., Khesin, Yu.D., Belova, O.S., Andronov, I.N., Medvedeva, G.V. Influence of boron on the mechanism of plastic deformation and rupture of α-titanium alloys 9—61650
Likhachev, V.A., Myshlyaev, M.M., Sen'kov, O.N., Kuz'min, S.L. Character of the superplasticity of aluminium 9—83257
Likhachev, V.A. *see* Aristova, I.M. 9—74200
Likhachev, V.A. *see* Brainin, G.E. 9—52211
Likhachev, V.A. *see* Kartavenko, V.E. 9—100198
Likhachev, V.A. *see* Krylov, B.S. 9—100189
Likhachev, V.A. *see* Kuz'min, S.L. 9—91735
Likhachev, V.A. *see* Volkov, A.E. 9—82236
Likhachev, Yu.I. *see* Ermilin, N.R. 9—91765
Likhachev, Yu.I. *see* Proshkin, A.A. 9—76090
Likhansky, V.V. *see* Bolshov, L.A. 9—72631
Likharev, K.K. Superconducting weak links 9—60983
Likharev, K.K. *see* Ivanov, Z.G. 9—60990
Likharev, K.K. *see* Zorin, A.B. 9—56431
Likharev, V.A. *see* Volchkov, L.G. 9—76091
Likhite, S.D. *see* Radhakrishnamurty, C. 9—84243, 9—84521
Likhoded, A.K. *see* Kartvelishvili, V.G. 9—85312
Likholit, N.I. *see* Kovalyuk, Z.D. 9—89970
Likhtenshtein, A.I. *see* Sidorov, A.A. 9—69666
Likhtenshtein, G.I. *see* Feigin, L.A. 9—55613
Likhtenshteyn, V.Kh., Shabel'nikova, A.E., Yasnopol'skiy, N.L. Kinetic electron emission when conducting and insulator films are penetrated by hydrogen ions with an energy of 0.3-30 keV 9—91554
Likhter, A.I. *see* Kechin, V.V. 9—86832
Likhter, A.I. *see* Rakhmanina, A.V. 9—73534
Likhter, V.A., Shul'gin, V.I. Experimental investigation of return currents in electrogasdynamic flows 9—86521
Likhter, Ya.I., Larkina, V.I. Spectra of pulsations of low-frequency emission in the topside ionosphere and SPP of the geomagnetic field at the Earth's surface 9—58157
Likhter, Ya.I. *see* Vakulov, P.V. 9—80069
Likhtorovich, S.P. *see* Dakhtyar, I.Ya. 9—91527
Likins, P. *see* Ohkami, Y. 9—75085
Lile, D.L., Collins, D.A. The dielectric and interfacial characteristics of MIS structures on InP and GaAs 9—60933
Lile, R.C. *see* Tapp, R.G. 9—80038
Lilenfeld, H.V., Richardson, R.J. The ESR spectrum and linewidth measurements of atomic iodine 9—68205
Lilenko, Yu.V. *see* Brudnyi, V.N. 9—56227
Lilenko, Yu.V. *see* Voitschovski, A.V. 9—78122
Liles, D.R. *see* Pryor, R.J. 9—89401
Liles, D.R. *see* Williams, K.A. 9—49725
Liley, B.S. *see* Bydder, E.L. 9—86593
Liliental, Z., Auleytner, J. Some remarks to the problem of the dislocation loops creation in the region of interface 9—82210
Liljeby, L. *see* Andresen, B. 9—50127
Liljefors, T. *see* Kowalewski, J. 9—79220
Liljestrand, R. *see* Blackmore, E.W. 9—72060
Liljestrand, R.P. *see* Ray, L. 9—63669
Lilleleht, L.U., White, C.W. On thermal storage in chemical bonds 9—57495
Lilleleht, L.U. *see* Beard, J.T. 9—62074
Liller, H., Liller, W. Novalike object in Vulpeculia 9—53819
Liller, M. *see* Mayer, B. 9—75224
Liller, M.H. *see* Lichten, S.M. 9—97030
Liller, W. *see* Bradt, H.V. 9—62929
Liller, W. *see* Gottlieb, E.W. 9—53821
Liller, W. *see* Liller, H. 9—53819
Liller, W. *see* Mayer, B. 9—75224
Liller, W. *see* Oda, M. 9—62935
Lillesand, T.M., Kiefer, R.W. Remote sensing and image interpretation 9—100985
Lillethun, E. *see* Albrow, M.G. 9—75805
Lilley, D.G. *see* Wendt, J.O.L. 9—86525
Lilley, J.S. *see* Franey, M.A. 9—85355
Lillie, A.F. Design of the Clinch River Breeder Reactor steam generators 9—97790
Lillie, R.A., Alsmiller, G., Jr., Mihalczo, J.T. Design calculations for A 14-MeV neutron collimator 9—59257
Lillie, R.A. *see* Santoro, R.T. 9—59253, 9—59261
Lilliequist, C.G. *see* Smith, D.F. 9—96982
Lilly, D.J. *see* Stelmachowicz, P.G. 9—83797
Lilly, G.M., Binney, M.F. Impact of the Westinghouse integrated control room on the reliability maintenance and operational aspects of a nuclear power station 9—89462
Lilov, S.K., Tairov, Y.M., Tsvetkov, V.F. Determination of size and concentration of critical clusters of silicon carbide in the vapour phase in homogeneous nucleation process 9—94951
Lilov, S.K., Tairov, Yu.M., Tsvetkov, V.F. Study of temperature distribution in high-temperature furnaces for silicon carbide monocrystal and epitaxial layer growing 9—65989
Lim, A.J., Winters, W.D. A computer system for on-line, real-time analysis of the EEG 9—100773
Lim, B.P. *see* Rao, K.R. 9—57403
Lim, C.S. *see* Papini, G. 9—85052
Lim, E. *see* Rumble, E. 9—93731
Lim, E.C. *see* Gillispie, G.D. 9—54901, 9—59501
Lim, E.C. *see* Inoue, A. 9—50055
Lim, E.C. *see* Ting-ing Lai 9—54900
Lim, E.C. *see* Wassam, W.A., Jr. 9—50067
Lim, J.J. *see* Gilman, F.M. 9—85673
Lim, J.S. *see* Musicus, B.R. 9—64418
Lim, J.S. *see* Oppenheim, A.V. 9—59875
Lim, K.C. *see* Thompson, J.M.T. 9—64541
Lim, S.C. Free electromagnetic potentials in Minkowsku and Euclidean regions 9—93323
Lim, T.K. A new upper bound formula for the ground state energies of N-boson systems 9—58629
Lim, T.K., Duffy, K. Trineutron problem clarified 9—63612
Lim, T.K., Duffy, K., Nakaichi, S., Akaishi, Y., Tanaka, H. Heavy rare-gas trimers and tetramers: testing ground for few-body techniques in chemical physics 9—72378
Lim, T.K., Garside, B.K., Marton, J.P. Guided modes in fibres with parabolic-index core and homogeneous cladding 9—76853
Lim, T.K. *see* Duffy, K. 9—72377
Lim, T.K. *see* Nakaichi, S. 9—86026
Lim, W.L. *see* Aronowitz, F. 9—98430
Lim Chee-Seng Extension of a semiinfinite crack against an antisymmetric quasiuniform body force 9—98661
Lim Chee-Seng Certain analytic source mechanisms in crack propagation theory 9—98662
Lima, A.P.de *see* de Lima, A.P.
Lima, C.A.S. *see* Lima, M.B.S. 9—68940
Lima, E.de *see* de Lima, E.
Lima, M.B.S., Lima, C.A.S., Miranda, L.C.M. Screening effect on the plasma heating by inverse bremsstrahlung 9—68940
Lima, M.B.S., Miranda, L.C.M. Phonon instability in the presence of two radiation fields 9—56141
Lima, M.T.Costa *see* Costa Lima, M.T.
Lima, O.F.de *see* de Lima, O.F.
Limanskii, E.I. *see* Tomilov, F.Kh. 9—70103
Limarov, V.T., Mukhordykh, D.E., Rybakov, N.K. Two circuits for electrochemical recording of defect records in ultrasonic inspection 9—66246
Limaye, P.S., Parker, A.A., Stroud, D.G., Wigen, P.E. Low field microwave excitations of magnetic domain walls 9—78456
Limaye, P.S. *see* Mier, M.G. 9—78462
Limb, Y., Davis, R.F. Electronic conductivity and related properties of amorphous and crystallized V_2O_5-based glasses 9—99547
Limbaugh, C.C. Excited state distribution function of argon in a freely expanding arcjet plume 9—98881
Liminga, R. *see* Lundgren, J.-O. 9—60312
Limon, P. *see* Brindza, P. 9—68085
Limonov, M.F. *see* Barta, C. 9—99889
Limpouch, J. *see* Dragila, R. 9—94778
Limque, F. *see* Luiten, C.H. 9—100174
Limsuwan, P. *see* Vedam, K. 9—78650
Lin, A. *see* Ratner, L.G. 9—67608
Lin, A.T., Dawson, J.M. High-efficiency free-electron laser 9—72548
Lin, A.T. *see* Okuda, H. 9—64902
Lin, C. A near-infrared fiber Raman oscillator tunable from 1.07 to 1.3 μm 9—72622
Lin, C.C., Lau, Y.Y. Density wave theory of spiral structure of galaxies 9—75280
Lin, C.C. *see* Okuda, H. 9—64902
Lin, C.D. Double K-shell electron capture for ion-atom collisions at intermediate energies 9—68315
Lin, C.D., Johnson, W.R. Two-channel relativistic random-phase approximation applied to the photionisation of helium- and beryllium-like ions 9—59407
Lin, C.D., Tunnell, L.N. Subshell electron capture cross sections of argon atoms by protons 9—89771
Lin, C.H., Shieh, K.C., Foo, E.H. The effects of silica content, sintering temperature and sintering time on a Ni-Zn ferrite 9—87746
Lin, C.H. *see* Wang, F.F.Y. 9—73961
Lin, C.-H., Bevk, J., Turnbull, D. Effect of structural relaxation on the electrical resistivity of $Pd_{82-x}V_xSi_{18}$ amorphous alloys 9—56186
Lin, C.J. *see* Chiang, F.P. 9—72863
Lin, C.L., Niple, E., Shaw, J.H., Calvert, J.G. The quantitative analysis of absorption spectra 9—100461
Lin, C.L., Niple, E., Shaw, J.H., Calvert, J.G. Retrieval of information from an absorption spectrum 9—100462
Lin, C.L. *see* Chu, T.L. 9—57426
Lin, C.L. *see* Leu, M.T. 9—87831
Lin, C.S., Hoffman, R.A. Characteristics of the inverted-V event 9—75019
Lin, C.S., Mauk, B., Parks, G.K., DeForest, S., McIlwain, C.E. Temperature characteristics of electron beams and ambient particles 9—101027
Lin, C.S. *see* Anderson, K.A. 9—75042
Lin, C.S. *see* Gurgiolo, C. 9—80085
Lin, C.S. *see* Secrest, D. 9—68303
Lin, C.T., Marques, A.D.S., Guimaraes, W.O.N. Spectral evidence for a directional molecular rotation in intermolecular hydrogen bonded liquids 9—78661
Lin, D.L. *see* Fielder, W., Jr. 9—59401
Lin, D.L. *see* Lee, Y.C. 9—69426
Lin, D.N. *see* Babykin, M.V. 9—68945
Lin, D.N.C., Papaloizou, J. On the structure of circumbinary accretion disks and the tidal evolution of commensurable satellites 9—70952
Lin, D.P. *see* Dismukes, G.C. 9—52722
Lin, E.I.H., Sha, W.T. Thermal hydraulic analysis of a wire-wrapped 19-rod bundle with edge blockage 9—59142
lin, E.I.H., Sha, W.T. Thermal hydraulic analysis of a wire-wrapped 19-rod bundle with edge blockage 9—71887
Lin, E.I.H., Sha, W.T. On singularities in the three-dimensional Navier-Stokes equations 9—90213
Lin, F.-S., Starke, E.A., Jr. The effect of copper content and degree of recrystallization on the fatigue resistance of 7XXX type aluminum alloys. I. Low cycle corrosion fatigue 9—91852
Lin, H.B., Topp, M. Spectroscopic measurements of biphenylene singlet states 9—83473
Lin, H.M. *see* Sebastian, H.M. 9—65177
Lin, H.-M., Seaver, M., Tang, K.Y., Knight, A.E.W., Parmenter, C.S. The role of intermolecular potential well depths in collision-induced state changes 9—81257
Lin, J. *see* Sunada, H. 9—57012
Lin, J.-t., George, T.F. Kinetic model of laser-controlled heterogeneous processes 9—99407
Lin, J.C., Kiernicki, J., Kiernicki, M., Wollschlaeger, P.B. Microwave apexcardiography 9—74737
Lin, J.C. *see* Nelson, J.C. 9—70583
Lin, J.-E. Superexponential decay of solutions of a semilinear wave equation 9—84963
Lin, K.-F. *see* Beck, T.R. 9—61866
Lin, K.-F. *see* Chen, S.-A. 9—87845
Lin, K.Y., Wu, F.Y. Phase diagram of the antiferromagnetic triangular Ising model with anisotropic interactions 9—51798
Lin, M., Firpo, J.-L., Mansoura, P., Baret, J.F. A phase transition of the adsorbed layer: high pressure effect on fatty alcohol adsorption at an oil-water interface 9—99395
Lin, M.C. *see* Butler, J.E. 9—61842
Lin, M.C. *see* Hsu, D.S.Y. 9—61853, 9—64084
Lin, M.C. *see* Smith, G.K. 9—87829
Lin, P.L., Pelton, A.D., Bale, C.W. Computation of ternary molten salt phase diagrams 9—100118
Lin, R.P. *see* Anderson, K.A. 9—75042
Lin, S.C., Giallorenzi, T.G. Sensitivity analysis of the Sagnac-effect optical-fiber ring interferometer 9—50379
Lin, S.H. Transient temperature distribution in the reactor vessel wall 9—54473
Lin, S.H. Empirical rain attenuation model for earth-satellite paths 9—62561
Lin, S.H. Nonlinear diffusion in biological systems 9—74589
Lin, S.H. Heat transfer to plane non-Newtonian Couette flow 9—86471
Lin, S.H. The effects of mass transfer resistances on encapsulated enzymatic reaction systems 9—96522
Lin, S.H. *see* Fujimura, Y. 9—54858
Lin, S.H. *see* Shao-Mu Ma 9—99316
Lin, S.L. *see* Sinha, S. 9—55447
Lin, S.T. *see* Tokarev, Yu.G. 9—96204
Lin, T.T., Lichtman, D. The effects of electron bombardment on the surface composition of WO_3, oxidized W and Ta foils 9—77874
Lin, Y.J. *see* Tabakman, H.D. 9—72814
Lin, Y.S., Almasi, G.S., Dove, D.B., Keefe, G.E., Chir, C.C. Orientation dependence of propagation margin of 1-μm bubble contiguous-disk devices—Clues and cures 9—82846
Lin, Y.S. *see* Almasi, G.A. 9—78479
Lin, Y.S. *see* Shir, C.C. 9—78478, 9—91263
Lin An-sheng, Li Yong-hong High voltage electron microscope and its characteristics 9—54236
Lin Bang-Shui, Wu Shi-Fen, Gao Ze-Ming On the lowering of the epicentral intensity of the Ninghe aftershock of May 12, 1977 9—88252
Lin Bao-Jun *see* Guo Ke-Xin 9—51110
Lin Bo-In *see* Bo-In Lin
Lin Chen-yao *see* Wu Hsiang-ting 9—62572
Lin Chien-jung *see* Chien-jung Lin

Lin Ching-hsing Preliminary notes on Holocene transgression in the seaboard of Fujian, S.China 9—96765
Lin Chinlon *see* Chinlon Lin
Lin Chun-Can *see* Li Yang-Guo 9—49628
Lin Dong-liang Strengthening of the Fe-0.04Nb-0.02C alloy 9—100154
Lin Lei Microscopic theory of the first order phase transitions in liquid crystals 9—60486
Lin Nan-xun On the theory of creep in concrete 9—74196
Lin Qi-jin *see* Wang Shui 9—88238
Lin Qiao-yuan Paramagnetic relaxation 9—87307
Lin Saho-Chi *see* Saho-Chi Lin
Lin Shen-Maw *see* Shen-Maw Lin
Lin Sheng-kang The methods of measuring moisture with neutrons 9—57342
Lin Shi-Chien *see* Shi-Chien Lin
Lin Tian-jian *see* Zhang Jin-zhu 9—74962
Lin Wen-Long *see* Wen-Long Lin
Lin Wuu-Jyi *see* Wuu-Jyi Lin
Lin Yuechan The effect of laser on the ultrastructure of cells 9—53187
Lin Zhiqing *see* Huong Junhui 9—52966
Lin Zun-Qi, Zheng Yu-Xia, Yu Wen-Yan Apodized aperture used in the laser oscillator 9—68408
Lin-Cai Ye *see* Ye Lin-Cai
Lin-gun Liu High pressure Ca_2SiO_4, the silicate K_2NiF_4-isotype with crystalchemical and geophysical implications 9—69089
Lin-Liu, Y.R., Vollhardt, D., Maki, K. Helical textures in ^{3}He-A and magnetic resonance 9—95235
Lin-Liu, Y.R. *see* Kleinert, H. 9—60586
Lin-zhiang Pan *see* Pan Lin-zhiang
Linan, A., Williams, F.A. Ignition of a reactive solid exposed to a step in surface temperature 9—83458
Linard, B.J. *see* Bolotin, H.H. 9—63630
Linard, M., Collot, C., Maillot, D., Prunier, C. Evidence of a superplastic behaviour of the alloy uranium-1.5% molybdenum 9—74203
Linares-Solano, A., Lopez-Gonzalez, J. de D., Moreno-Castilla, C., Rodriguez-Reinoso, F. Changes in surface homogeneity of a graphite upon gasification 9—51396
Linaya, C. *see* Bernier, P. 9—82859
Lind, D.A. *see* Alford, W.P. 9—63574, 9—75852
Lind, D.A. *see* Anderson, R.E. 9—67733
Lind, D.A. *see* Goodman, C.D. 9—54738
Lind, G. *see* Eriksson, K.G. 9—74488
Lind, J.M. *see* Balamuth, D.P. 9—89529
Lind, J.M. *see* Young, K.C., Jr. 9—75901
Lind, K.E. *see* Jassby, D.L. 9—50898
Lind, R.C., Steel, D.G., Klein, M.B., Abrams, R.L., Giuliano, C.R., Jain, R.K. Phase conjugation at 10.6 μm by resonantly enhanced degenerate four-wave mixing 9—64271
Lind, R.C. *see* Stephens, R.R. 9—59729
Lind, V.G., McAdams, R.E., Otteson, O.H. Reaction mechanisms in pi-nuclear multi-nucleon removal processes 9—85520
Lind, V.G. *see* Lieb, B.J. 9—67665
Lind, V.G. *see* McAdams, R.E. 9—85498
Lind, V.G. *see* Otteson, O.H. 9—85519
Lind-Hansen, O.W. *see* Vorren, T.O. 9—84228
Lindau, I. *see* Garner, C.M. 9—74272
Lindau, I. *see* Skeath, P. 9—100019
Lindau, I. *see* Spicer, W.E. 9—60637
Lindau, I. *see* Stohr, J. 9—95876
Lindberg, G. *see* Smith, T. 9—88912
Lindberg, H.E. *see* Senseny, P.E. 9—83407
Lindberg, J.D. *see* Pinnick, R.G. 9—58086
Lindberg, W.R. *see* Palmer, R.A. 9—91820
Lindblad, G. Non-Markovian quantum stochastic processes and their entropy 9—49163
Lindblad, Th. *see* Hammaren, E. 9—63576
Lindblom, G. *see* Johansson, L.B.A. 9—53059
Lindblom, L., Detweiler, S. The role of neutrino dissipation in gravitational collapse 9—101166
Lindblom, L. *see* Hiscock, W.A. 9—101054
Lindblom, P. Angular amplification by a series of plane gratings 9—90014
Linde, A.D. Are there any cosmological constraints on the number of neutrinos? 9—62940
Linde, A.D. Classical Yang-Mills solutions, condensation of W mesons and symmetry of composition of superdense matter 9—93292
Linde, D.von der *see* von der Linde, D.
Linde, J.van der *see* van der Linde, J.
Linde, J.Van Der *see* Van Der Linde, J.
Linde, R., Weiss, H., Dallas, W.J. Single-emulsion-layer holographic inverse-filters for deconvolving coded-aperture images 9—76647
Linde, S.A., Gorbunova, Yu.E., Lavrov, A.V., Kuznetsov, V.G. Synthesis and structure of $CsUO_2(PO_3)_3$ crystals 9—86767
Lindefelt, U. The localised vacancy state in Ge 9—82543
Lindefelt, U., Pantelides, S.T. Basis sets for the study of point defects in solids using Green's-function methods 9—90994
Lindegaard-Anderson, A., Thuesen, G. Simplified highly efficient apparatus for photographic transaxial X-ray tomography 9—93242
Lindelof, P.E. Non-equilibrium effects in constricted superconductors 9—65590
Lindelof, P.E. *see* Bindslev Hansen, J. 9—56410, 9—91186
Lindelof, P.E. *see* Clarke, J. 9—95548
Lindeman, T.G., Wiesenfeld, J.R. Photodissociation of Br_2 in the visible continuum 9—64059
Lindeman, T.G. *see* Hemenway, C.P. 9—68238
Lindemer, T.B., Kania, M.J. Characterization of coated-particle fuel performance by fission gas pressure measurements 9—54584
Linden, W.H.Van Der *see* Van Der Linden, W.H.
Linden van den Heuvell, H.B.van *see* van Linden van den Heuvell, H.B.
Lindenau, D., Schnabel, W. On the disentanglement of coiled macromolecules in solution 9—66314
Lindenberg, K. *see* Bulsara, A.R. 9—85079
Lindenberg, K. *see* West, B.J. 9—85078
Lindenfeld, M.J., Shizgal, B. Non-Maxwellian effects associated with the thermal escape of a planetary atmosphere 9—80264
Lindenfeld, M.J., Shizgal, B. Matrix elements of the Boltzmann collision operator for gas mixtures 9—86545
Lindenfeld, M.J. *see* Dufty, J.W. 9—63173
Lindenmayer, A., Culik, K., II Growing cellular systems: generation of graphs by parallel rewriting 9—66458
Linder, F. *see* Krutein, J. 9—89749
Linderberg, J. *see* Ohrn, Y. 9—59346
Lindfors, J. Angular distribution of large q_T muon pairs in different reference frames 9—85275
Lindgard, P.-A. Phase transitions and critical phenomena. [Neutron diffraction] 9—60229
Lindgard, P.-A. *see* Rastelli, E. 9—69660
Lindgren, A.G., Pridham, R.G. Three-dimensional imaging by coded aperture and shadow casting techniques 9—74757
Lindgren, B. *see* Butz, T. 9—61267
Lindgren, E.R. *see* Inge, C. 9—64717
Lindgren, E.R. *see* Trovillion, T.A. 9—64771
Lindgren, I. *see* Grundevik, P. 9—63940
Lindgren, J. *see* Eriksson, A. 9—51229
Lindgren, J.R., Flynn, P.W., Foster, L.C. Fabrication of grid-spaced bundle for the F-5 (X317) irradiation experiment 9—67925
Lindgren, J.R., Flynn, P.W., Foster, L.C. Fabrication of grid-spaced bundle for the F-5 (X317) irradiation experiment 9—81058
Lindgren, K. *see* Nulow, B. 9—54430
Lindgren, K.A.U. *see* Virtamo, J.T. 9—68186
Lindgren, R.A., Gerace, W.J., Bacher, A.D., Love, W.G., Petrovich, F. Tensor force and inelastic electron and proton scattering to unnatural-parity states of stretched configurations 9—63626
Lindgren, R.A. *see* Ensslin, N. 9—49598
Lindgren, S.A., Wallden, L. Oxygen adsorption induced energy shift of a surface state on cesium covered Cu (111) 9—78826
Lindgren, S.A., Wallden, L. Adsorbate-induced angle averaging of Cu (111) photoemission spectra 9—83100
Lindholm, E., Bieri, G., Asbrink, L., Fridh, C. Interpretation of electron spectra. III. Spectra of formamide, studied with HAM/3 9—50081
Lindholm, F.A. *see* Ayman Shibib, M. 9—96444
Lindholm, F.A. *see* Fossum, J.G. 9—100520
Lindholm, F.A. *see* Shibib, M.A. 9—96445
Lindksog, A. *see* Bjorseth, A. 9—83653
Lindkvist, B. *see* Jakobsson, B. 9—93661
Lindley, D. Radiative decay of massive neutrinos and cosmic element abundances 9—92668
Lindley, P.B. Compression moduli for blocks of soft elastic material bonded to rigid end plates 9—90134
Lindley, P.B. Plane strain rotation moduli for soft elastic blocks 9—90135
Lindley, P.B., Teo, S.C. Energy for crack growth at the bonds of rubber springs 9—83316
Lindley, S. *see* Lees, E.W. 9—85457, 9—85458
Lindley, T.C. *see* Atkinson, J.D. 9—79175
Lindman, B. *see* Wennerstrom, H. 9—57306
Lindman, E.L. *see* Kindel, J.M. 9—54218
Lindmer, L. *see* De Jong, D. 9—88191
Lindmo, T. *see* Pettersen, E.O. 9—74719
Lindner, A. The Coulomb interference term in polarization analysis and the determination of the transition matrix 9—67559
Lindner, E. High voltage electronmicroscopy in biology and medicine 9—57834
Lindner, G. *see* Deutsch, G. 9—59731
Lindner, H. *see* Carius, W. 9—85967
Lindner, H.A., Thoma, H.-J. Characterization of the high temperature mechanical properties of ceramic materials by dynamic measurements of elastic modulus up to 1400°C 9—70101
Lindner, P. *see* Rosenheck, K. 9—62185
Lindquist, L.O. *see* Agnew, L. 9—68107
Lindqvist, L. *see* Alpert, B. 9—79453
Lindqvist, O. *see* Galy, J. 9—55715
Lindqvist, O. *see* Johansson, G.B. 9—77563
Lindqvist, O. *see* Johansson, L.-G. 9—60310
Lindqvist, T. *see* Wennerstrom, P. 9—51383
Lindsay, D.M., Gole, J.L., Lombardi, J.R. An analysis of the hydrazine-fluorine flame. The $\tilde{A}^2A'$-$\tilde{X}^2A''$ emission spectrum of HNF and its relation to other HAB compounds 9—50033
Lindsay, J.M. *see* Frazier, G.F. 9—49328
Lindsay, K.A., Straughan, B. Propagation of mechanical and temperature acceleration waves in thermoelastic materials 9—75346
Lindsay, K.A., Straughan, B. A thermodynamic viscous interface theory and associated stability problems 9—95246
Lindsay, S.M. *see* Adshead, A. 9—91457
Lindsay, W.T., Jr. Current interests in reactor water chemistry 9—93694
Lindseth, R.O. Synthetic sonic logs—a process for stratigraphic interpretation 9—88483
Lindskog, P., Thornblad, O. Ways to improve the strength of sintered components made from partially pre-alloyed steel powders 9—95969
Lindsley, D.B. *see* Rohrbaugh, J.W. 9—62266
Lindstrom, B. *see* Rosenhamer, H.J. 9—92237
Lindstrom, K. *see* Holmer, N.G. 9—53232
Lindstrom, O., Nilsson, T., Bursell, M., Hornell, C., Karlsson, G., Sylwan, C., Ahgren, B. Utility fuel cells for biomass fuel 9—52930
Lindstrom, P.J. *see* Westfall, G.D. 9—54453
Lindstrom, U., Rocek, M. Constrained local superfields 9—71342
Lindstrom, U. *see* Rocek, M. 9—63116
Lindzen, R.S., Tung, K.K. Wave overreflection and shear instability 9—53450
Lineberger, W.C. *see* Corderman, R.R. 9—68212
Lineberger, W.C. *see* Novick, S.E. 9—54922, 9—64042
Lineberry, M.J., McFarlane, H.F., Collins, P.J., Carpenter, S.G. Physics studies of a heterogeneous liquid-metal fast breeder reactor 9—59122
Lineberry, M.J. *see* Beck, C.L. 9—67834
Linehan, J.H. *see* Swedish, M.J. 9—54549
Lines, K.S. *see* Griffith, T.C. 9—86065
Lines, M.E. Local field effects in ionic conductors 9—55918
Lines, M.E. Interfacial polarization effects in ionic conductors 9—60538
Linet, B. Stationary axisymmetry electromagnetic fields in the Kerr metric 9—58603
Linet, B., Teyssandier, P. Point charge in a static, spherically symmetric Brans-Dicke field 9—85041
Linev, A.F. *see* Basargin, Yu.G. 9—54628
Linford, G.J., Saroyan, R.A., Trenholme, J.B., Weber, M.J. Measurements and modeling of gain coefficients for neodymium laser glasses 9—81436
Linford, G.J. *see* Auerbach, J.M. 9—89946
Linford, R.G., Spray, J.C. The design of very cheap sorption pumps 9—63255
Linford, R.G., Thornhill, D.G.T. Prediction of gas solubility properties in binary mixtures of non-polar solvents by the empirical slopes approach 9—52745
Linford, R.M.F., Strouse, E.A. Optical coatings for a space laser communications system 9—86248
Linford, R.M.F. *see* Anderson, N.C. 9—86261
Ling, C.C., Biggs, P.J. Improving the buildup and depth-dose characteristics of high energy photon beams by using electron filters 9—83939
Ling, C.C., Shipley, W.U., Anderson, L.L. Dose inhomogeneity in interstitial implants using ^{125}I seeds 9—100746
Ling, C.C. *see* Biggs, P.J. 9—83938
Ling, C.C. *see* Epp, E.R. 9—53194
Ling, C.S. *see* Sacks, R.D. 9—82083
Ling, E. *see* Gould, J.M. 9—92298
Ling, G.N. How does reduced external K^+ concentration affect the rate of Na^+ efflux? Evidence against the K-Na coupled pump but in support of the association-induction hypothesis 9—79495
Ling, G.N., Ochsenfeld, M.M., Walton, C., Bersinger, T.J. Experimental confirmation, from model studies, of a key prediction of the polarized multilayer theory of cell water 9—62213
Ling, J.C., Mahoney, W.A., Willett, J.B., Jacobson, A.S. A possible line feature at 73 keV from the Crab Nebula 9—92829
Ling, T.Y. *see* Benvenuti, A. 9—49508, 9—58951
Ling Chi-Hai *see* Chi-Hai Ling
Ling Fu-Wen *see* Fu-Wen Ling
Ling Jun-Da *see* Ye Bi-Qing 9—50325
Ling Kuok-Mee *see* Kuok-Mee Ling
Ling Qi-fen *see* Wu Shu-yao 9—99602
Ling-Fong Li Comments on the derivation of the mixing angles 9—75729
Ling-Lie Chau Wang, Wilczek, F. SU(3) predictions for charmed-meson decays 9—97619
Lingart, Yu.K., Bodyachevskii, S.V. Melting and crystallization of corundum 9—51237
Lingart, Yu.K., Petrov, V.A., Khazanov, E.E. Infrared pyrometer for translucent materials 9—88959
Lingeman, E.W.A. *see* Balestri, B. 9—75794
Lingemann, E.W.A. *see* Balestri, B. 9—85530
Lingenfelter, B.P. *see* Pessall, N. 9—91841
Linger, K.R. Deposition of ceramic coatings by a plasma-activated process 9—57125
Linglin, D. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Lingner, C. *see* Luthi, B. 9—87304
Lingscheit, J.N., Tennenhouse, G.J., Whalen, T.J. Compositions and properties of conductive ceramics for the Na-S battery 9—87745

Linh, N.T. *see* Chevrier, J. 9—87569
Linh, N.T. *see* Huber, A.M. 9—90693, 9—90988
Linick, T.W. *see* Michel, R.L. 9—88371
Liniger, W., Odeh, F. A perturbation calculation of the I-V characteristic of an extended Josephson junction 9—69632
Lining Zhang *see* Zhang Lining
Liniychuk, I.A. *see* Grekhov, I.V. 9—95487
Link, R. *see* Gutlich, P. 9—69675
Linke, I. *see* Feltz, A. 9—90560
Linkens, D.A. Maximum-entropy correlation and spectral analysis of short-length biomedical signals 9—66577
Linkens, D.A. The method of harmonic balance applied to coupled asymmetrical van der Pol oscillators for intestinal modelling 9—96530
Linkens, D.A., Mhone, P.G. Frequency transients in a coupled oscillator model of intestinal myoelectrical activity 9—70537
Lin'kov, V.A. Application of synchronous orthogonal detection for the recording of primary signals of an acoustic log 9—88498
Linnecar, T. *see* Boussard, D. 9—72094
Linnecar, T.P.R. The high frequency longitudinal and transverse pick-ups in the CERN SPS accelerator 9—72152
Linnecar, T.P.R. *see* Boussard, D. 9—72063
Linnemann, J.T. *see* Gibbard, B.G. 9—71756
Linnenbrink, T.E., Gradl, D.A., DeWitte, G.J. A one gigasample per second transient recorder 9—89540
Linnik, A.I. *see* Khodosov, E.F. 9—61248
Linnik, L.F., Linnik, L.G. Absorption of IR light by non-equilibrium holes in germanium during laser exitation 9—95752
Linnik, L.G. *see* Linnik, L.F. 9—95752
Linnik, V.D. *see* Sysoev, B.I. 9—51528
Linnik, V.M. *see* Vyskubenko, B.A. 9—64250
Lins, S.H. *see* Selzle, H.L. 9—50059
Lins, S.J. *see* Kamin, M. 9—78483
Lins de Barros, H.G.P. *see* Brandi, H.S. 9—54973
Linsay, P. *see* Shochet, M.J. 9—63474
Linscheid, R.L. *see* An, K.N. 9—92276
Linschitz, H. *see* Periasamy, N. 9—79268
Linse, V.D. *see* Dew-Hughes, D. 9—82701
Linsky, J.L. *see* Ayres, T.R. 9—101140
Linsky, J.L. *see* Basri, G.S. 9—75169
Linsky, J.L. *see* Cash, W. 9—97035
Linsky, J.L. *see* Feldman, P.A. 9—62844
Linsky, J.L. *see* Schneeberger, T.J. 9—92773
Linsley, G.S. Resuspension of the transuranium elements 9—62376
Linsley, G.S., Simmonds, J.R., Kelly, G.N. Transuranium radionuclides in the foodchains 9—74554
Linssen, A.J., Peek, H.L. Effects of trichloroethane oxidation of silicon wafers on SiO_2 and Si properties 9—70193
Linvill, J.G. *see* Rezvani, B. 9—91376
Linz, J. *see* Reich, J. 9—54653
Linzer, M. *see* Dietz, D.R. 9—55306
Lionardo, G.Di *see* Di Lionardo, G.
Lions, N., Quinet, J.-L. Allowing for a sodium-water reaction in the steam generators of fast-neutron nuclear power stations 9—63756
Lions, P.-L. *see* Berestycki, H. 9—63339
Liotta, R.J. *see* Boisson, J.P. 9—80884
Liou, H.I., Chrien, R.E., Block, R.C., Singh, U.N. The transmission of neutrons through iron-56 at 24.37 keV 9—54435
Liou, K.Y., Smith, H.V., Jr., Wilkes, P., Kulcinski, G.L. Observations on ordered voids in molybdenum 9—86786
Liou, M.K. *see* Jan, G.J. 9—80937
Liou, M.S. *see* Adamson, T.C., Jr. 9—60005
Liou Kuo-Nan *see* Kuo-Nan Liou
Lipa, B., Tyler, G.L. Statistical and computational uncertainties in atmospheric profiles from radio occultation: Mariner 10 at Venus 9—96938
Lipari, N.O., Baldereschi, A., Altarelli, N. The latest achievements in the theory of excitons and impurities in semiconductors 9—82526
Lipari, N.O. *see* Dexter, D.L. 9—95368
Liparteliani, A.G. *see* Volkov, G.G. 9—58921, 9—97566
Lipatov, A.I. *see* Gel'man, B.G. 9—66948
Lipatov, A.S. The induced magnetosphere of Venus 9—84699
Lipatov, A.S., Parygin, V.N. Polarization of the radiation emitted from gas lasers with a weak phase anisotropy of the resonator 9—64264
Lipatov, L.N., Bukhvostov, A.P., Malkov, E.I. Large-order estimates for perturbation theory of a Yang-Mills field coupled to a scalar field 9—71632
Lipatov, N.I. *see* Valyanskii, S.I. 9—55877
Lipatov, Yu.S. *see* Moisya, E.G. 9—65349
Lipatov, Yu.S. *see* Privalko, V.P. 9—51295
Lipatov, Yu.S. *see* Tsarev, P.K. 9—87644
Lipchin, T.N., Nikulin, L.V. Relationship between the properties of Al-Mg alloys and the nonequilibrium phase diagram 9—96000
Lipes, R.G. *see* Bierman, G.J. 9—74993
Lipets, A.U. *see* Apatovskii, L.E. 9—68710
Lipinski, A. *see* Bak, G. 9—65569
Lipinski, A. *see* Kania, S. 9—91169
Lipinski, J. Electronic structure of molecular complexes in their ground and excited states. I 9—54783
Lipinski, J. Electronic structure of molecular complexes in their ground and excited states. II 9—54784
Lipinski, J. *see* Zajaczkowski, J. 9—81758
Lipinski, J. *see* Zajaczowksi, J. 9—80425
Lipinski, R.J. Effect of creep on thermal fracturing in oxide crusts 9—49698
Lipke, D.P. *see* Ahlgren, J. 9—74619
Lipkin, H.J. Color oscillations and measuring the quark charge 9—75725
Lipkin, H.J. Rigorous results on measuring the quark charge below color threshold 9—85266
Lipkin, H.J. *see* Cohen, I. 9—54316, 9—71750
Lipkin, L., Lemkin, P., Shapiro, B., Sklansky, J. Preprocessing of electron micrographs of nucleic acid molecules for automatic analysis by computer 9—70711
Lipkin, Y. Microwave respiration monitor (MWRM) 9—96646
Lipkina, E.Kh. *see* Buevich, Yu.A. 9—65297
Lipkowitz, K.B. $p_\pi p_\pi$ interactions. II. π face bonding in cyclobutadiene 9—98180
Lipmanov, E.M. On mass ratios of charged leptons 9—93478
Lipmanov, E.M., Mikheev, N.V. On universal mixing of leptons in gauge theory of weak interactions 9—54298
Lipnik, A.A. Anisotropic acoustoelectric effect in cubic many-valley semiconductors 9—69562
Lipnik, P. *see* Bosman, M. 9—49627, 9—67581
Lipnitskii, Yu.M. Determination of entropy and total energy at the surface of a body oscillating in a supersonic stream 9—86456
Lipnitskii, Yu.M. *see* Arutyunyan, A.A. 9—77119
Lipofsky, J.R. *see* Bent, R.B. 9—58174
Lipovetskii, I.A. *see* Kozyrev, V.S. 9—74875
Lipovetskij, V.A. *see* Afanas'ev, V.L. 9—80360
Lipovskii, A.A. *see* Akensov, E.T. 9—90043
Lipovskii, A.A. *see* Aksenov, E.T. 9—90029
Lipovtsev, Yu.V. *see* Gorban', I.A. 9—59913
Lipowsky, R. *see* Horner, H. 9—64640
Lipparini, E., Stringari, S. Spin oscillations and the M1 magnetic form factor 9—67652
Lippens, D., Druon, C., Wacrenier, J.M. Dielectric study of a mesomorphous substance in glassy nematic phase 9—91336
Lippens, M. Densifications of UO_2-PuO_2 fuel 9—49685
Lippincott, S.L., Borgman, E.R. Parallax and proper motion analyses of long-interval plate series taken with the Sproul 61-cm refractor 9—71015
Lippmaa, E.T., Kiirend, E.O. Identification of the different phases of the water-cetyltrimethylammonium bromide-hexanol system by carbon-13 NMR. Catalysis by α-chymotrypsin in micellar and liquid-crystalline phases 9—61909
Lippmann, B.A. Comment on 'Modification of bubble oscillations by nearby objects' [J. Acoust. Soc. Am. 64, 937 (1978)] 9—90064
Lippmann, H. *see* Lobner, B. 9—82682
Lippmann, M.J. *see* Chin Fu Tsanq 9—57477
Lippmann, R.P. *see* Kelly, W.J. 9—100626
Lipps, W. Fibre-optical data transmission. I 9—81529
Lipschultz, B., Prager, S.C., Osborne, T.H., Sprott, J.C., Phillips, M. Experimental study of axisymmetric instability of inverse-dee and square Tokamak equilibria 9—73029
Lipschutz, M.E. *see* Herzog, G.F. 9—92732
Lipschutz, M.E. *see* Matza, S.D. 9—53777
Lipschutz, R. *see* Panofsky, H.A. 9—79913
Lipscomb, W.N. *see* Sundberg, K.R. 9—97968
Lipshitz, H., Glimcher, M.J. In vitro studies of the wear of articular cartilage. II. Characteristics of the wear of articular cartilage when worn against stainless steel plates having characterized surfaces 9—74714
Lipsitt, H.A. *see* Chatterjee, D.K. 9—100211
Lipskis, K.K. *see* Pocius, Z.V. 9—63320, 9—63321
Lipsky, S. *see* Johnson, K.E. 9—54949, 9—64110, 9—68322
Lipson, H.G., Euler, F., Arminton, A.F. Low temperature infrared absorption of impurities in high grade quartz 9—56825
Lipson, S.G., Landau, J. Holographic observation of diffusion waves in ^{3}He-^{4}He liquid mixtures 9—60595
Lipson, S.G. *see* Balfour, L.S. 9—51367
Lipson, S.G. *see* Steinhaus, E. 9—59787
Lipton, R. *see* Chaney, D. 9—89308
Liptuga, A.I. *see* Malyutenko, V.K. 9—51580
Lipunov, V.M. Magnetospheres of accreting compact stars possessing multipole magnetic fields 9—97020
Liran, S. *see* Nir, D. 9—93894
Lis, L.J. *see* Rand, R.P. 9—62204
Lis, T. Manganese (II) D-gluconate dihydrate 9—77587
Lis, T. *see* Czapla, Z. 9—51916
Lis Ying-lie *see* Han Bao-shan 9—71429
Lisak, M. *see* Anderson, D. 9—58561, 9—58583
Lisauskas, V.S. *see* Tolutis, V.B. 9—56335
Lischka, H. A note on the ab initio calculation of intermolecular potentials: the HF dimer 9—98177
Lischka, H., Kohler, H.-J. A theoretical investigation on the systems $C_2H_5O^+$ and $C_2H_5S^+$ 9—59357
Lischka, H. *see* Lukovits, I. 9—59342
Lisejkin, V.D. *see* Yanenko, N.N. 9—49055
Lisetskii, L.N. *see* Tishchenko, V.G. 9—77516
Lishchenyuk, F.F. *see* D'yakonov, M.N. 9—80151
Lisher, E.J., Cowlam, N., Gillott, L. A neutron diffraction study of ammonium hexachlororhenate 9—55701
Lisicki, A. M.N. Wolf's astronomical observatory in Gdansk 9—88591
Lisiecki, W., Odzijewicz, A. Twistor flag spaces as phase spaces of conformal particles 9—97239
Lisitsa, M.P., Boiko, S.A., Terekhova, S.F. Dispersion of the refractive indices and exciton absorption of GaSe single crystals 9—73947
Lisitsa, M.P., Kucherov, A.P., Ralko, N.E., Yaremko, A.M. Resonance interaction in spectra of vibrational excitons of phthalic anhydride 9—61386
Lisitsa, M.P., Kulish, N.P., Stolyarenko, A.V. Measurement of the energy of laser monopulses 9—94272
Lisitsa, M.P., Motsnyi, F.V. Role of impurities in the formation of linear spectra of bismuth triodide single crystals 9—51994
Lisitsa, M.P., Yaremko, A.M., Kucherov, A.P. Fermi resonance and two-particle excitations in crystals 9—69436
Lisitsa, M.P. *see* Borsht, V.V. 9—95446
Lisitsa, M.P. *see* Valakh, M.Ya. 9—65831
Lisitsin, V.M. *see* Shishatskaya, L.P. 9—72698
Lisitskaya, L.A. *see* Mochalin, N.K. 9—57021
Lisitskii, I.S., Darvoi, T.I., Lyubimova, I.E., Mal'tseva, V.P. Distribution of lead halides as impurities in crystals of Tl(Br,I) in various crystallographic orientations 9—51135
Lisitsyn, E.S. *see* Kizin, V.D. 9—63737
Lisitsyn, V.M., Gritsenko, B.P., Serikova, G.N., Shtan'ko, V.F., Yakovlev, V.Yu. Energy of formation of radiation defects in CaF_2 9—65079
Lisitsyn, V.N. *see* Brazovskii, V.E. 9—64215
Lisitsyn, V.N. *see* Brazovsky, V.Ye. 9—55116
Liska, D., Schamaun, R., Potter, C., Fuller, C., Clark, D., Greenwood, D., Frank, J. Design of the accelerating structures for FMIT 9—76160
Liska, D.J. *see* Melson, K.E. 9—76159
Liska, M. *see* Bocek, V. 9—71516
Lisker, I.S., Pevzner, M.B. Calculating semiconductor parameters based on measuring electrical and thermophysical, galvanic and thermomagnetic effects using the method of varying the influence factors 9—73535
Liskien, H. The particle spectrum to be expected from a D-T plasma 9—72992
Liskien, H. *see* Paulsen, A. 9—93613
Lisoivan, V.I. Weak extra reflections in diamond X-ray diffraction patterns 9—82257
Lisoivan, V.I. Influence of impurity segregation between octahedral planes in diamonds on diffuse scattering of X-rays 9—95046
Lisovaya, E.D. *see* Nechaev, Yu.R. 9—83357
Lisovenko, V.A. *see* Gaievskii, A.S. 9—61433
Lisovets, Yu.P., Mikhailov, V.G., Poluektov, I.A., Popov, Yu.M. Dynamics of temporal structure of high-power radiation propagating through a semiconductor under conditions of interband absorption or amplification 9—76727
Lisovskaya, G.P. *see* Bershev, E.N. 9—83515
Lisovskaya, T.D. *see* Levinzon, D.I. 9—87682
Lisovskii, F.V., Mansvetova, E.G. Interior domains in epitaxial films of magnetic garnets 9—91268
Lisovskii, F.V. *see* Avaeva, I.G. 9—78489
Lisovskii, I.P., Litovchenko, V.G., Litvinov, R.O. Effect of UV illumination of the electrical properties of MOS layer structures 9—82676
Lisovskii, I.P. *see* Litovchenko, V.G. 9—51680
Lisovskii, V.G. On the supercritical behaviour of a square plate compressed by two concentrated forces 9—59919
Lisowski, M. *see* Savage, J.C. 9—74883, 9—84079
Lisowski, W. *see* Dus, R. 9—86995
Liss, P.S. *see* Slinn, W.G.N. 9—62544
Lissalde, F., Abrahams, S.C., Bernstein, J.L., Nassau, K. X-ray diffraction and dielectric temperature dependence study of the $K_2Cd_2(SO_4)_3$ paraelastic-ferroelastic phase transition 9—55882
Lissauer, D. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Lissauer, I.M. *see* Hufford, G.L. 9—84518
Lissberger, P.H., Salter, I.W., Vallely, L.A. Ellipsometric observations of the optical properties of gold and bismuth in the form of thin films 9—78776
Lissberger, P.H. *see* Blanc, D. 9—76866
Lissi, E.A. *see* Gargallo, L. 9—57267
Lissichenko, S.B. *see* Zaznoba, V.A. 9—64873
Lissner, J. Increased diagnostic capabilities with a fan beam computer tomography unit in abdominal examination 9—66550
Lisson, V.N. *see* Buzuev, G.V. 9—78534
List, R. *see* Gillespie, J.R. 9—92574
List, R. *see* Melling, H. 9—53467, 9—53542
List, U., Herrmann, W., Urban, W. Spectral coincidences between CO-Laser and nitric-oxide. A reinvestigation 9—86162

Listengarten, M.A. Effect of penetration in internal conversion and the structure of nuclei 9—75907
Lister, C.J., Young, G.R., Cline, D., Srebrny, J., Elmore, D., Butler, P.A., Ledoux, R., Fridieu, R. High spin states and isomers in ^{151}Dy 9—93493
Lister, C.J. *see* Behbehani, A.H. 9—67621, 9—80896
Lister, C.J. *see* Warburton, E.K. 9—93553
Lister, C.R.B. The pulse-probe method of conductivity measurement 9—53533
Lister, C.R.B. *see* Pearson, W.C. 9—66604
Lister, D.G., Rakshit, A.B., Tichy, M., Birkinshaw, K., Twiddy, N.D. Production of metastable O^{+*} in the reaction between He^+ and O_2 at 300K 9—91933
Lister, D.G. *see* Adams, N.G. 9—61845
Lister, D.G. *see* Jones, J.D.C. 9—91932
Lister, D.H. The mechanisms of corrosion product transport and their investigation in high temperature water loops 9—91840
Lister, G.G. *see* Bornatici, M. 9—94800
Lister, G.S. Texture transitions in plastically deformed calcite rocks 9—83227
Listovnichaya, S.P. *see* Karpinos, D.M. 9—100297
Listrov, A.T. *see* Aleinikov, S.M. 9—77212
Lisy, J.M., Klemperer, W. The dipole moment of $a^4\Pi$ NO 9—72440
Lisyanskii, A.A., Trush, G.I. Ohm's law violation in spin glasses 9—82580
Lisyanskii, A.A. *see* Ivanchenko, Yu.M. 9—69652
Lisyanskii, B.E. *see* Rukman, G.I. 9—76636
Liszi, J. *see* Abraham, M.H. 9—57282
Liszt, H.S. *see* Mufson, S.L. 9—97048
Lit, J.W.Y. *see* Vincent, D. 9—98476
Lites, B.W., CHipman, E.G. The vertical propagation of waves in the solar atmosphere. I. Observations of phase delays 9—96981
Litfin, G. *see* Beigang, R. 9—89673
Litherland, A.E., Diamond, W.T., Sandorfi, A.M. Plastic film detectors for light and heavy element fission studies 9—72193
Litherland, A.E. *see* Gove, H.E. 9—52806
Litherland, A.E. *see* Purser, K.H. 9—72182, 9—92042
Lititskii, V.A. *see* Bondarenko, V.V. 9—97834
Litke, A.M. *see* Piccolo, M. 9—93439
Litke, A.M. *see* Rapidis, P.A. 9—75780
Litke, S.V. *see* Rylkov, V.V. 9—99016
Litovchenko, P.G. *see* Borodovskii, Ya.A. 9—51598
Litovchenko, V.G., Lisovskii, I.P., Litvinov, R.O., Flietner, H., Fussel, W. Specific memory effect in MOS structures 9—51680
Litovchenko, V.G. *see* Almazov, L.A. 9—51983
Litovchenko, V.G. *see* Barna, A. 9—55667
Litovchenko, V.G. *see* Drazhan, A.V. 9—91499
Litovchenko, V.G. *see* Lisovskii, I.P. 9—82676
Litovchenko, V.G. *see* Voltsit, V.V. 9—69887
Litovchenko, V.G. *see* Zuev, V.A. 9—69434
Litovitz, T.A. *see* An, S.C. 9—69851
Litovitz, T.A. *see* Simmons, J.H. 9—49708, 9—94375
Litovskii, E.Ya. A model for calculating the attenuation factor of a multicomponent medium 9—94472
Litovskii, E.Ya., Kaplan, F.S., Klimovich, A.V. Relationship of gas phase mass transfer to thermal conductivity of refractories 9—73352
Litovskii, E.Ya. *see* Marants, A.G. 9—82397
Litskevich, I.K. Calculation of the decay probabilities for $\pi^0 \to e^+e^-$ and $K_1^0 \to \mu^+\mu^-$ in a strong electromagnetic field 9—80825
Litskevich, V.V. *see* Guschin, E.M. 9—78855
Litster, J.D., Als-Nielsen, J., Birgeneau, R.J., Dana, S.S., Davidov, D., Garcia-Golding, F., Kaplan, M., Safinya, C.R., Schaetzing, R. High resolution X-ray and light scattering studies of bilayer smectic A compounds 9—95129
Litster, J.D. *see* Davidov, D. 9—73297
Litster, J.D. *see* Griffin, J.A. 9—73699
Litster, J.D. *see* Rondelez, F. 9—92143
Litt, L. *see* Hand, L. 9—75979
Litt, M. *see* Rudnick, J. 9—94919
Litt, M.H. *see* Atkins, E.D.T. 9—69030
Littauer, R., Ball, S.E., Helmke, R.G., Peck, S.B., Rice, D.H. The CESR control system 9—72210
Littenberg, L. *see* Carroll, A.S. 9—63511
Litterst, F.J. *see* Imshennik, V.K. 9—73872
Little, A. *see* Cheng, Y.K.C. 9—67804
Little, A.G. Circinus X-1 at 408 MHz 9—53940
Little, D.D. *see* Zittel, P.F. 9—89717, 9—90365
Little, G.H. Square box sections—experimental behaviour under combined bending and compression 9—61657
Little, J.B. *see* Chan, G.L. 9—74722
Little, L.T., Macdonald, G.H., Riley, P.W., Matheson, D.N. Ammonia observations of the molecular cloud near S106 9—84840
Little, P. *see* Chamberlain, A.C. 9—70491
Little, R.G., Greenwald, A.C., Minnucci, J.A. Pulsed electron beams for annealing of ion-implanted silicon 9—52254
Little, R.G. *see* Greenwald, A.C. 9—55768
Little, R.G. *see* Kirkpatrick, A.R. 9—69159
Little, R.R., Raftopoulos, D.D. Vertical soil-structure interaction effects 9—92496
Littlechild, J.E. *see* Archer, L.G. 9—49686
Littlechild, J.E. *see* Heal, T.J. 9—59239
Littlejohn, M.A. *see* Hauser, J.R. 9—73522
Littlejohn, M.A. *see* Varadarajan, S. 9—60934
Littler, J.G.F. The autarkic house [solar energy utilisation] 9—79382
Littler, J.G.F., Thomas, R.B. Wind generation of electricity for a novel dwelling independent of servicing networks 9—61943
Littler, J.G.F. *see* Thomas, R.B. 9—62149
Littleton, J.E., Buchler, J.-R., Truran, J.W. Structure of detonation waves in degenerate carbon cores: Two-component plasma models 9—62810
Littleton, J.T., Durizch, M.L., Perry, N. Radiation protection of the lens for patients and users 9—92393
Littlewood, I.M. *see* King, G.W. 9—89687
Littmark, U. *see* Hofer, W.O. 9—78811
Litton, C.D., Graybeal, L., Hertzberg, M. Submicrometer particle detector and size analyzer 9—75672
Litton, C.W. *see* Almassy, R.J. 9—87503
Litunovsky, R.N. *see* Basargin, Yu.G. 9—54628, 9—54716
Litunovsky, R.N. *see* Belyakov, V.A. 9—54717
Litunovsky, R.N. *see* Vaganov, A.K. 9—54718
Litvak, A.G., Shakhova, N.A. Nonlinear quasi-optics of electromagnetic waves in a plasma in a DC magnetic field 9—98914
Litvak, H. *see* Kawasaki, M. 9—52718
Litvak, M.M. *see* Goldsmith, P.F. 9—58036
Litvin, A.K., Tkachev, V.I., Shustov, V.B. Apparatus for measuring the strength parameters of metals at elevated temperatures in ionized gases 9—70252
Litvin, D.F. *see* Akhmedzhanov, Z.I. 9—94849
Litvin, D.F. *see* Vintaikin, E.Z. 9—87693
Litvin, F.F., Stadnichuk, I.N., Kruglov, V.P. Resolution into the components of the fluorescence and absorption spectra of chlorophyll a in the cell 9—57584
Litvin, F.F. *see* Sineshchekov, O.A. 9—70579
Litvin, P.V. *see* Gronskii, V.I. 9—67243
Litvin, S.E. *see* Maksimyuk, P.A. 9—87673
Litvin, S.E. *see* Pan, V.M. 9—78076
Litvin, V.F. *see* Krasnov, L.V. 9—93627
Litvin, Yu.A. *see* Samsonenko, N.D. 9—91097
Litvinenko, A.A. *see* Kostornoi, S.D. 9—94634
Litvinenko, A.Ya. *see* Romanenko, O.L. 9—91098
Litvinenko, Yu.G. *see* Verdyan, A.I. 9—87457
Litvinov, A.M. *see* Tsidelko, V.D. 9—67318
Litvinov, L.A. *see* Voitsenya, T.I. 9—65938
Litvinov, N.P. *see* Krylova, S.V. 9—87864
Litvinov, R.O. *see* Lisovskii, I.P. 9—82676
Litvinov, R.O. *see* Litovchenko, V.G. 9—51680
Litvinov, V.E. *see* Vereshchagin, I.P. 9—50902
Litvinov, V.I., Duga'ev, V.K. Peculiarity of the magnetic susceptibility near the ferroelectric phase transition point in narrow-gap A_4B_6 semiconductors 9—95568
Litvinov, V.I., Volkov, V.L., Tovstyuk, K.D. The quantizing magnetic field effect on the ferroelectric phase transition in narrow-gap semiconductors 9—87403
Litvinov, V.I. *see* Dugaev, V.K. 9—61319
Litvinov, V.L. *see* Zhukov, V.A. 9—95416
Litvinov, V.M., Lavrukhin, B.D., Zhdanov, A.A., Andrianov, K.A. The effect of spin diffusion on the longitudinal nuclear magnetic relaxation of crystalline polydimethylsiloxanes 9—51878
Litvinov, V.N. *see* Mikhin, N.M. 9—87735
Litvinov, V.S., Dorofeev, G.A., Ovchinnikov, V.V. Distribution of atoms in ternary Ni-Fe-Al alloys with a type B2 lattice 9—99796
Litvinov, V.S. *see* Bogachev, I.N. 9—83334
Litvinov, V.S. *see* Ovchinnikov, V.V. 9—74235
Litvinova, N.A. *see* Ivanov, L.I. 9—55825
Litvinova, T.P. *see* Kaplyanskiy, A.A. 9—81475
Litvinovich, G.V. *see* Danil'kevich, M.I. 9—69841
Litwin, Y.J., Donigian, A.S., Jr. Continuous simulation of nonpoint pollution 9—52967
Litwiniszyn, J. On the boundary conditions of flow in the so-called fountain effect 9—68784
Lityagina, L.M., Kabalkina, S.S., Pashkina, T.A., Khozyainov, A.I. Polymorphism of ZrO_2 at high pressures 9—73311
Litzen, U. *see* Denne, B. 9—59391
Litzinger, J.A. *see* Butler, D.M. 9—60621
Litzman, O., Holy, V. Some special models of the spatial theory of dispersion 9—73891
Liu, B. *see* Kirby, K. 9—94045
Liu, B. *see* Matsumoto, S. 9—98294
Liu, B. *see* Olson, R.E. 9—50100
Liu, B.D. *see* Su, Y.K. 9—95482
Liu, B.Y.H., Pui, D.Y.H. Comments on the paper: W.H. Marlow, P.C. Reist, and G.A. Dwiggins: Aspects of the performance of the electrical aerosol analyzer under non-ideal conditions 9—66372
Liu, C.C. *see* Savinell, R.F. 9—92070
Liu, C.H. *see* Myers, W.J. 9—80077
Liu, C.H. *see* Yeh, K.C. 9—66848, 9—88524
Liu, C.M., Ingalls, R. Pressure dependence of antiferromagnetic ordering in γ-Fe and type 310 stainless steel 9—73861
Liu, C.M., Ingalls, R., Whitmore, J.E., Rao, K.V., Bhagat, S.M. Mossbauer effect in ferromagnetic, metallic glasses: high pressure studies 9—73860
Liu, C.M. *see* Ingalls, R. 9—56642
Liu, C.S. *see* Bornatici, M. 9—98905
Liu, C.S. *see* Gladd, N.T. 9—77366
Liu, C.S. *see* Montgomery, D. 9—64852
Liu, C.S. *see* Myra, J.R. 9—98925
Liu, C.S. *see* Ng, P.H. 9—68904
Liu, C.Y. *see* Dong, S.B. 9—94379
Liu, D.C. *see* Jha, S. 9—78580
Liu, F.F. *see* Hill, D.G. 9—71744
Liu, H.S. Convection-generated stress concentration and seismogenic models of the Tangshan earthquake 9—92507
Liu, H.W. *see* Yang, C.Y. 9—74254
Liu, J. *see* Shirachi, D. 9—83770
Liu, J.C.H., Weber, J.H., Tao, L.C. Prediction of ternary heat of mixing from binary vapor-liquid equilibrium and heat of mixing data by using Wilson equation 9—73312
Liu, J.K. *see* Barish, B.C. 9—63536
Liu, J.K. *see* Brown, K.W. 9—80855
Liu, J.K. *see* Dishaw, J.P. 9—85473
Liu, J.T.C. Generation of interfacial gravity waves by submerged regions of fluctuating hydrodynamical motions and fluid inhomogeneities 9—64682
Liu, K.C., Davis, C., Jr., Javan, A. Electron tunneling spectroscopy of high-speed W-Ni submicron junctions 9—99635
Liu, K.F. *see* Grammaticos, B. 9—54374
Liu, K.L., Macdonald, A.H., Daams, J.M., Vosko, S.H., Koelling, D.D. Spin density functional theory of the temperature-dependent spin susceptibility: Pd and Pt 9—56497
Liu, L. Resonant states in zero-gap semiconductors 9—82558
Liu, L. *see* Albert, J.P. 9—69468
Liu, L.G. Calculations of high-pressure phase transitions in the system MgO-SiO_2 and implications for mantle discontinuities 9—90780
Liu, L.-G. The system enstatite-wollastonite at high pressures and temperatures, with emphasis on diopside 9—79825
Liu, M. Hydrodynamic theory near the nematic-smectic-A transition 9—77731
Liu, M. Textural critical velocity of ^{3}He-A in the limit of large magnetic fields 9—99383
Liu, M., Cross, M.C. Gauge wheel of superfluid ^{3}He 9—82409
Liu, N.S., Krause, E. Calculation of incompressible viscous flows in vessels with moving boundaries 9—98682
Liu, N.W.K. *see* Garcia, M.O. 9—92535
Liu, P., Yen, R., Bloembergen, N. Two-photon absorption coefficients in UV window and coating materials 9—59734
Liu, P.L., Yen, R., Bloembergen, N., Hodgson, R.T. Picosecond laser-induced melting and resolidification morphology on Si 9—87529
Liu, P.L.-F. *see* Dalrymple, R.A. 9—79862
Liu, R.S.H. *see* Grodowski, M. 9—85972
Liu, S.C., Reid, G.C. Sodium and other minor constituents of meteoric origin in the atmosphere 9—70835
Liu, S.C. *see* Dickinson, R.E. 9—80019
Liu, S.C. *see* Kasting, J.F. 9—84486
Liu, S.G., Wu, C.P., Magee, C.W. Annealing of ion-implanted GaAs with Nd:glass laser 9—73194
Liu, S.H. Electronic structure of rare earth metals 9—69405
Liu, S.H. Spin waves in static non-periodic magnetic structures 9—99692
Liu, S.K. *see* Cohen, M.J. 9—60042
Liu, S.T. *see* Leung, K.M. 9—91378
Liu, W.-K., McCourt, F.R. A multilevel description of the magnetoviscosity and flow birefringence in polyatomic gases 9—55436
Liu, W.-K., McCourt, F.R., Fitz, D.E., Kouri, D.J. Production and relaxation cross sections for the shear viscosity Senftleben-Beenakker effect. I. Formal expressions and their coupled-states and infinite-order-sudden approximations for atom-diatom systems 9—86556
Liu, W.S., Glass, I.I. Ionizing argon boundary layers. II. Shock-tube side-wall boundary-layer flows 9—60144
Liu, Y. *see* Shapiro, N.L. 9—85636
Liu, Y.S. Electric field gradient and mean-square displacement of the iron sites in FeS_2 (pyrite) 9—95690
Liu, Y.S., Wang, K.L. A transient optical reflectivity study of laser annealing of ion-implanted silicon: thresholds and kinetics 9—60390
Liu, Y.S. *see* Wang, K.L. 9—69508
Liu Bo, Jiang Huan-ching, Li Yang-guo A two-nucleon model of the (p,π^-) reaction 9—59069
Liu Bo-li, Nie Rong A possible problem being encountered in identification of radioactive isotopes 9—89506
Liu Bu-sheng *see* Wu Zhong-li 9—59088
Liu Chang-ling New materials of pianlinite minerals 9—95982
Liu Chang-Ling A new sedimentary rock—pianlintic clay rock 9—96759
Liu Cheng-Zheng *see* Li Ching-Chung 9—100833
Liu Fa-Hsiang *see* Fa-Hsiang Liu
Liu Fu-Sui The energy gap of two types of superconductor 9—51718
Liu Fu-Sui *see* Zhao Zhong-Xian 9—69623

Liu Fu-you Surface enrichment of residual elements and oxidation of the austenite grain boundaries—a study on the hot shortness mechanism of mild steel 9—74230
Liu Guang-zhao The possibility of the crystallization of metastable graphite from molten metal solutions under the stable conditions of diamond 9—91634
Liu Gui-Fen *see* Wang Zong-Xian 9—62462
Liu Guo-bin Crystal defects and the mechanism of fluid inclusion formation 9—73160
Liu Han-Zhao Fine structures of inclusive spectra. I. Sum rules and the generalization of Feynman-Yang scaling 9—49557
Liu Han-zhao Fine structures of inclusive spectra. II. Calculated preliminarily using models, and to be determined using existing data 9—58984
Liu Hsi-Ping *see* Hsi-Ping Liu
Liu Hua-Kuang *see* Hua-Kuang Liu
Liu Hui-Xian On the concept and application of earthquake intensity 9—62437
Liu Lian-fan *see* Hsia Ke-ting 9—62797
Liu Liau An empirical mass formula for hadrons 9—80816
Liu Lin-gun *see* Lin-gun Liu
Liu Miao-hong *see* Fu Su-fen 9—55126, 9—72559
Liu Miao-hung *see* Fu Shu-fen 9—59682
Liu Ruo-zhuang The study of nucleic acids and theoretical physics 9—81316
Liu Shi-da *see* Chao Bo-lin 9—80188
Liu Shi-jie *see* Chen Chang 9—90708
Liu Shih-ping *see* T'ung Wei 9—79759
Liu Tai-Ping *see* Tai-Ping Liu
Liu Wei-min Conditions for establishment of an equality in graph theory of molecular orbitals 9—93910
Liu Weimin Applications of graph theory of molecular orbitals to conjugated molecule possessing a proper axis of rotation 9—76329
Liu Wen-Lin *see* Li Ching-Chung 9—100833
Liu Wen-xi Composite reciprocal lattice unit cells for cubic twins 9—99213
Liu Wo-yuan A new polyphase X-ray quantitative analysis method without using pure samples 9—80737
Liu Wu-Nan *see* Wu-Nan Liu
Liu Xian-hui, Zhang Yu-shun, Li Yang-guo Effect of N* production on high energy proton scattering by nucleus 9—93626
Liu Xian-Hui *see* Li Yang-Guo 9—49628
Liu Xue-Jun *see* Li Zhi-Sen 9—62725
Liu Yen-chung *see* Yen-chung Liu
Liu Ying-lie *see* Han Bao-shan 9—99741
Liu You-Chang The energy of a double-star system and its distribution 9—75249
Liu Yung Y. *see* Yung Y. Liu
Liu Zeng-Quan *see* Qin Yuan-Xun 9—97085
Liukkonen, E., Bishop, J., Motzny, S., Antaya, T. Design of the central regions for the MSU 500 MeV superconducting cyclotron 9—54667
Liukkonen, E. *see* Hammaren, E. 9—63576
Liukkonen, E. *see* Katajanheimo, R. 9—89231
Liukonen, R.A. *see* Belousova, I.M. 9—81413
Livanova, R.P. *see* Odesskii, D.A. 9—79048
Livdar, V.A. *see* Pelekh, B.L. 9—50591
Livenson, A.R. *see* Sukonkina, E.A. 9—57809
Livesey, D.L. Determination of exponential growth factors by Mangelsdorf's method 9—71195
Livesey, D.L. *see* Demille, G.R. 9—83700
Livesey, R.J. The aurora 9—84564
Livett, M.K. *see* Carnovale, F. 9—86005
Livi, F.P., Amaral, L., Fries, S.G. The magnetic hyperfine field at Hf sites in the (Zr, Hf)Fe_2 Laves pseudo-binary compound 9—82901
Livi, R.P. *see* Baumvol, I.J.R. 9—78588, 9—82898
Livingston, H.D., Bowen, V.T. Pu and ^{137}Cs in coastal sediments 9—57974
Livingston, J.D. Four cobalt-base silicide eutectics 9—61575
Livingston, J.D. *see* Berkowitz, A.E. 9—73778
Livingston, W., Duvall, T.L., Jr. Solar rotation, 1966-1978 9—66977
Livingston, W.C. The cloud contrast bow as seen from high flying aircraft 9—80029
Livingston, W.H., Jr., Phillips, J.M. Generalized physical cluster densities 9—98257
Livio, M., Salzman, J., Shaviv, G. The formation of planetary nebulae with close binary nuclei 9—71097
Livolant, M. *see* Hoffmann, A. 9—97911
Livshits, B.G., Sumin, V.I., Shlyapin, A.D. Kinetics of post-decomposition processes in alloys of the YuNDKT type 9—87668
Livshits, B.G. *see* Sumin, V.I. 9—52161
Livshits, I.B. *see* Korneyeva, I.L. 9—92163
Livshits, M.A. *see* Belintsev, B.N. 9—92117
Livshits, M.G., Turovskii, N.I. Direct reception of optical radiation in high speed digital communication systems 9—94170
Livshitz, A.I. Superpermeability of solid membranes and gas evacuation. I. Theory 9—74422
Livshitz, A.I., Notkin, M.E., Pustovoit, Yu.M., Samartsev, A.A. Superpermeability of solid membranes and gas evacuation. II. Permeation of hydrogen through a palladium membrane under different gas and membrane boundary conditions 9—71469
Liyepinya, V.E. *see* Zake, M.V. 9—82102, 9—83369
Lizengevich, A.I. Display of vibrational relaxation of molecules in liquids in Raman spectra. II. Resonant exchanges 9—64012
Lizengevich, A.I., Pogorelov, V.Ye. Display of vibrational relaxation of molecules in liquids in Raman spectra 9—59476
Lizon-Tati, J., Accensi, A. Cryogenics and space—the cryogenic programme of the ESA 9—70942
Lizon-Tati, J. *see* Accensi, A. 9—63239
Lizunov, V.D. Measurement of the diameter of transparent fibers by He-Ne lasers 9—97352
Lizurei, G.I. *see* Alikov, B.A. 9—75919
Ljolje, K., Vobornik, S. Wave equation of the particle density operator for crystals of rare gases 9—55831
Ljubicic, A., Nakahama, Y., Isozumi, Y., Shimizu, S. Double internal bremsstrahlung in the electron-capture decay of ^{55}Fe 9—63633
Ljubin, C. Techniques for provoking and registering the audiomotorial reflex 9—53162
Ljubin, C. *see* Ibrahimpasic, F. 9—49270
Ljung, S. *see* Boos, E.G. 9—49548, 9—67611
Llacer, J. Theory of imaging with a very limited number of projections 9—53219
Llewellyn, J.P. *see* Davies, H.W. 9—82943
Llewellyn, S.K. *see* Bent, R.B. 9—58174
Llewellyn Smith, C.H. *see* Balian, R. *(editor)* 9—80785
Llopiz, P. *see* Boyer, D. 9—64047
Llorente, M.A., Mark, J.E. Model networks of end-linked polydimethylsiloxane chains. IV. Elastomeric properties of the tetrafunctional networks prepared at different degrees of dilution 9—90570
Lloyd, A.C. *see* Pitts, J.N., Jr. 9—61860
Lloyd, D.C. *see* Edwards, A.A. 9—100675
Lloyd, E.L., Gemmell, M.A., Henning, C.B., Gemmell, D.S., Zabransky, B.J. Cell survival following multiple-track alpha particle irradiation 9—66488
Lloyd, F.L. *see* Richards, P.L. 9—56395
Lloyd, J.N., Bhagat, S.M., Knudson, A.R., Gossett, C.R. Evidence for a surface ferromagnetic layer in amorphous YFe_2 9—73819
Lloyd, J.N. *see* Bhagat, S.M. 9—51860
Lloyd, J.R. On the log-normal distribution of electromigration lifetimes 9—99348
Lloyd, J.R., Mueller, T.J., Wauch, R.E. Experimental observations on the thermal fragility of erythrocytes including the effects of storage and anticoagulant 9—62198
Lloyd, J.R., Nakahara, S. On the diffusion of excess vacancies to free surfaces and voids in thin films 9—65237
Lloyd, P., Cragg, D.M. The Nozieres-Wilson relation in the low-temperature Kondo problem 9—95572
Lloyd, P. *see* Cragg, D.M. 9—51746, 9—95573
Lloyd, P. *see* Evans, R. 9—99292
Lloyd, P. *see* Fray, A.F. 9—82697
Lloyd, R.C., Durst, B.M., Clayton, E.D. Effect of soluble neutron absorbers on the criticality of low-uranium-235-enriched UO_2 lattices 9—80978
Lloyd, R.C., Durst, B.M., Clayton, E.D. The effect of soluble neutron absorbers in latticed assemblies 9—85725
Lloyd, R.C., Libby, R.A., Clayton, E.D. Limiting critical concentration and eta for ^{239}Pu 9—63773
Lloyd, R.C. *see* McNair, G.W. 9—85724
Lloyd, R.D., Mays, C.W., Taysum, D.H. Gamma-ray spectrometry of humans at the University of Utah 9—100728
Lloyd, R.J., Barnes, R.M., Uden, P.C., Elliott, W.G. Direct current atmospheric pressure argon plasma emission echelle spectrometer as a specific metal gas chromatographic detector 9—74438
Lloyd, S.L. *see* Brandelik, R. 9—63491, 9—93441
Lloyd, W.B. *see* Pritchard, J.T. 9—76723
L.M. Messenger, W.de *see* de L.M. Messenger, W.
Lo, A. *see* Nims, J. 9—89017
Lo, A.K. A method for determining flux parameters in the absence of a temperature profile 9—66752
Lo, A.K., McBean, G.A. On the relative errors in methods of flux calculations 9—79953
Lo, C.C. *see* Augis, J.A. 9—87025
Lo, C.Y., Sullivan, J.D. Transverse momentum distributions in Drell-Yan processes 9—97585
Lo, C.Y. *see* Cheng, H. 9—63346
Lo, D.S., Benrud, V.M., Cosimini, G.J., Johnson, L.H., Nelson, G.G., Paul, M.C., Torok, E.J. Cross-tie shift register 9—78484
Lo, F.C., BUnshor, R.L., Pierret, R.F. Monolithic (ZnO) Sezawa-mode pn-diode-array memory correlator 9—78178
Lo, R.K. *see* Page, R.J. 9—49763, 9—93755
Lo, S.Y. *see* Clarke, D.J. 9—89192
Lo Cascio, L. *see* Ferrante, G. 9—64072, 9—64073, 9—81249
Lo Ho-Let *see* Ho-Let Lo
Lo Iudice, N., Palumbo, F. Positive parity isovector collective states in deformed nuclei 9—93483
Lo Kai-yuan *see* Peng Hua-shou 9—76301, 9—93887
Lo Liao-fu, Lu Tan Conserved currents and the $e^-\mu^-\tau$ asymmetry 9—58904
Lo Russo, S., Mazzoldi, P., Scotoni, I., Tosello, C., Tosto, S. Effect of nitrogen-ion implantation on the unlubricated sliding wear of steel 9—74261
Lo Russo, S. *see* Schmaus, D. 9—86828
Lo Sheng Dai On the existence, uniqueness, and global asymptotic stability of the periodic solution of the modified Michaelis Menten mechanism 9—79456
Lo Shui-Yin *see* Shui-Yin Lo
Lo Surdo, C. Pseudostatic resistive hydromagnetic equilibria in a toroid 9—98819
Lo Ting-Ho *see* Ting-Ho Lo
Lo Vecchio, G., Morandi, G. On the interpretation of TEM images of p-n junctions 9—51659
Lo Xun-bo *see* Din De-wen 9—79823
Lo Yong-Lian *see* Dung Sung-Sheng 9—57869
Lobachev, A.G. *see* Labuntsov, D.A. 9—90310
Lobachev, A.N. *see* Distler, G.I. 9—52105
Lobachev, A.N. *see* Kobyakov, I.B. 9—98584
Lobachev, A.N. *see* Leichenko, A.I. 9—73886, 9—99841
Lobachev, V.N. *see* Karnaushenko, N.N. 9—100978
Lobachevskiy, L.A. *see* Belkina, L.M. 9—53629
Lobachevskiy, L.A. *see* Vyaznikov, V.V. 9—53624
Lobanov, A.E., Khalilov, V.R. Interaction between photons and a strong nonstationary electromagnetic field 9—98327
Lobanov, A.M. *see* Matveev, V.V. 9—66191
Lobanov, A.N. *see* Basov, N.G. 9—89930
Lobanov, B.D. *see* Khulugurov, V.M. 9—73971
Lobanov, D.L. *see* Malikov, G.K. 9—72960
Lobanov, E.M. Application of a stochastic rock model in the theory of induced polarisation 9—88250
Lobanov, E.M., Girei, E.I. Radioactive sample radiation intensity measurement geometry influence on the precision (reproducement) analysis results 9—70412
Lobanov, E.V., Rybak, S.A. Nonconservative boundary-value problems of wave theory 9—63056
Lobanov, N.N., Bushuev, V.A., Zasimov, V.S., Kuzmin, R.N. Elastic and inelastic scattering of Mossbauer γ quanta in a pyrolitic graphite crystal 9—61287
Lobanov, V.V., Klyueva, I.B., Kagan, G.E., Ryabov, R.A., Guk, Yu.N., Gel'd, P.V. Influence of atomic ordering on the behaviour of hydrogen in the alloy Pd-20W 9—51307
Lobanov, Yu.V. *see* Druin, V.A. 9—59101
Lobanova, V.P. *see* Abrosimov, A.T. 9—76022
Lobashev, V.M. *see* Altarev, I.S. 9—75775
Lobashov, V.M. *see* Altarev, I.S. 9—67551
Lobastov, Yu.P., Pushkarskii, V.I. The influence of internal field non-uniformity in ferromagnetic samples on the magnetization process in the high magnetic field region 9—51819
Lobb, C.J. *see* Bevk, J. 9—95557
Lobb, D.E. An axi-symmetric high flux muon channel 9—54727
Lobb, D.E. A high flux muon channel incorporating a high quality spectrometer field 9—72136
Lobb, R.C. Creep rupture properties of Nimonic PE16 in environments of CO_2, air and vacuum at 700°C 9—74248
Lobban, T.E. The development of television program storage systems (videotape) in Tasmanian schools and colleges 9—80404
Lobbia, R.N., Alspach, D.L. A case study in adaptive sound speed estimation 9—72773
Lobert, P. *see* Christian, H. 9—52560
Lobko, M.P. *see* Pashkov, V.V. 9—87374
Lobko, V.V. *see* Ambartzumian, R.V. 9—54926
Lobko, V.V. *see* Knyazev, I.N. 9—55121
Lobkovskii, E.B. *see* Semenenko, K.N. 9—51068
Lobkowicz, F. *see* Nelson, C.A., Jr. 9—63486
Lobl, H. *see* Mourino, M. 9—55781
Lobner, B., Lippmann, H. Evaluation of the insulator charges in insulator-semiconductor heterojunctions 9—82682
Lobo, P.C., Vaz, C.M., Augusto, R.P. Simple valveless expander for small solar power plants 9—62023
Loboda, N.M. *see* Dmitrenko, I.M. 9—91188
Lobodyuk, V.A. *see* Kolomytsev, V.I. 9—52215
Loboiko, V.I. On the reduction in the short-term strength of steel in the presence of surface-active media 9—52441
Lobov, G.A. Weak interaction between nucleons in $n+p \to d+\gamma$ process 9—63513
Lobov, S.I. *see* Tarasov, M.D. 9—91467
Lobov, V.I. *see* Golubev, L.I. 9—71878
Lobova, T.A. *see* Kiparisov, S.S. 9—100267
Lobova, V.M. *see* Koval', N.A. 9—74262
Lobozov, V.P., Shepelyakovskii, K.Z. Change in the wear resistance through the depth of the hardened layer on carburized and surface hardened steels 9—96153
Lobyntsev, E.S. *see* Turov, V.D. 9—96220
Locatelli, M. Differential thermal conductivity measurements method and experiments 9—63227

Locatelli, M., Neumaier, K., Wiph, H. Influence of nitrogen interstitials on the thermal conductivity of H or D doped superconducting Nb 9—65601
Locchi, F. *see* Della Corte, M. 9—53180
Locci, E., Spiro, M. Test of a lead-plexipop calorimeter module viewed by wavelength shifter bars 9—81127
Locci, E. *see* Allemand, L. 9—81126
Loch, E. *see* Wessels, G. 9—83866
Lochard, J., Pages, P. Cost-efficiency analysis and radio-protection of the public: application to the case of radioactive effluents by the US Environmental Protection Agency 9—93840
Locher, K. *see* Pangia, N. 9—53834
Lochmann, R., Hobza, P. PCILO calculations on 'true' Van der Waals complexes 9—63930
Lochmann, R. *see* Weller, T. 9—72238
Lock, J.A. *see* Foldy, L.L. 9—93570
Lockerbie, N.A. Reflection of phonons in ^{4}He by NaF 9—55979
Lockett, C.J., Leary, W.P., Asmal, A.C. A modified method of determining systolic blood pressure in the rat 9—96722
Lockhart, A. *see* Fournier, P. 9—88103
Lockhart, N.C. Calibration of the reactive properties of resistors 9—49255
Lockhart, N.C. *see* Eley, D.D. 9—92461
Lockie, R.T. *see* Williams, V.L. 9—59790
Lockman, W., Meyer, T., Rander, J., Schlein, P., Webb, R., Erhan, S., Zsembery, J. Evidence for Δ_c^+ in inclusive $pp\to(\Delta^0\pi^+\pi^+\pi^-)+X$ and $pp\to(K^-\pi^+p)+X$ at $\sqrt{s}=53$ and 62 GeV 9—89205
Lockman, W. *see* Erhan, S. 9—49550, 9—89206
Lockner, T.R., Friedman, M. The NRL autoaccelerator concept 9—72021
Locks, M.O. Systems reliability analysis. Applications of the SPARCS system-reliability assessment computer program 9—97775
Lockwood, D.J., Bertrand, D., Carrara, P., Mischler, G., Billerey, D., Terrier, C. Raman spectrum of $NiCl_2$ 9—99871
Lockwood, D.J., Mischler, G., Schmidt, M.C., Johnstone, I.W. Raman scattering from electronic excitations and phonons in paramagnetic and antiferromagnetic $CoBr_2$ 9—69826
Lockwood, G. *see* Searle, T.M. 9—83026
Lockwood, G.W., Thompson, D.T. A relationship between solar activity and planetary albedos 9—75177
Lockwood, H.F. *see* Ettenberg, M. 9—59712
Lockwood, J.A., Hsieh, L., Friling, L., Chen, C., Swartz, D. Atmospheric neutron and gamma ray fluxes and energy spectra 9—75063
Lockwood, J.A., Webber, W.R. Cosmic ray modulation during solar activity cycle 20 9—53684
Lockwood, J.P. *see* Moore, J.G. 9—79780
Lockyer, N. *see* Nagle, D.E. 9—63500
Lodding, A. *see* Hehenkamp, T. 9—60552
Loddo, M., Mongelli, F. Heat flow in Italy 9—70769
Lode, W. *see* Peiter, A. 9—52551
Lodenquai, J. White dwarf luminosity in a scale covariant theory of gravity 9—80303
Lodge, K.W. On the temperature dependence and magnitude of the electric field gradient in noncubic metals 9—99515
Lodhi, M.A.K. Effect of higher ordered terms in the cluster expansion of correlation function on the structure of light nuclei 9—75877
Lodygin, B.I. *see* Kukleva, Z.A. 9—50964
Loeb, P.A. *see* Helms, L.L. 9—97302
Loeb, S., Mehta, G.D. A two-coefficient water transport equation for pressure-retarded osmosis 9—83509
Loeb, S. *see* Fraser, M.D. 9—52916
Loebenstein, H.M. *see* Zigler, A. 9—55550
Loebich, O., Jr., Wopersnow, W. On the structure of the intermetallic bonds in $LiPd_2$ 9—51055
Loeffler, F.J. *see* Finley, D.A. 9—49625, 9—49626
Loehman, R.E. *see* Land, P.L. 9—86934
Loendorf, W. *see* Smith, G. 9—58136
Loenicker, E. *see* Reuter, H.J. 9—83898
Loesch, A.Z., Peng, M. On spectral energetics of resonantly interacting waves in the two-layer baroclinic model 9—88422
Loew, G.A., Miller, R.H., Early, R.A., Bane, K.L. Computer calculations of traveling-wave periodic structure properties 9—72165
Loew, L.M., Sacher, E. Use of molecular orbital theory potential energy surfaces in determining polymer confirmations. I. Poly(ethylene terephthalate) 9—68338
Loewen, E.G., Neviere, M., Maystre, D. Efficiency optimization of rectangular groove gratings for use in the visible and IR regions 9—81525
Loewenhaupt, M., Rainford, B.D., Steglich, F. Dynamic Jahn-Teller effect in a rare-earth compound: $CeAl_2$ 9—78060
Loewenhaupt, M., Schmatz, W. Quasi-elastic neutron scattering by local magnetic moments in metals 9—61058
Loewenhaupt, M. *see* Holland-Moritz, E. 9—60775
Loewenhaupt, M. *see* Umlauf, E. 9—78254
Loewenich, K. *see* Peters, H.P. 9—93075
Loewenschuss, A. *see* Givan, A. 9—50024, 9—89671
Loewenstein, W.B. *see* Lewis, H.W. 9—97821
Lof, G.O.G. *see* Karaki, S. 9—57406
Lof, G.O.G. *see* Ward, D.S. 9—62135
Loferski, J.J., Shewchun, J., Mittleman, S.D., DeMeo, E.A., Arnott, R., Hwang, H.L., Beaulieu, R., Chapman, G. Cathodoluminescence characteristics of Cu_2S films produced by different methods 9—56866
Loferski, J.J. *see* Chapman, G.H. 9—78000
Loferski, J.J. *see* Gokcen, N.A. 9—74516
Loferski, J.J. *see* Gorska, M. 9—73609
Loferski, J.J. *see* Singh, R. 9—79394
Loffel, R. Mass flow measurements of single-phase and multi-phase flows 9—86532
Loffler, D. *see* Prada-Silva, G. 9—74376
Loffler, H. *see* Ciach, R. 9—87605
Loffler, H. *see* Simmich, O. 9—51234
Lofft, A. Acoustic Research AR9 speaker system 9—81669
Lofgren, B.E. *see* Holzer, T.L. 9—57979
Lofroth, J.-E. *see* Almgren, M. 9—61910
Logan, B.G. *see* Moir, R.W. 9—71972
Logan, C.M. *see* Davis, J.C. 9—76221
Logan, D.L. *see* Widera, G.E.O. 9—64516
Logan, J.A. *see* Prather, M.J. 9—58008
Logan, J.S. *see* Mauer, J.L. 9—83349
Logan, P.F. A role for the physicist in the Third World 9—48987
Logan, R.A. *see* Hartman, R.L. 9—94234
Logan, R.A. *see* Henry, C.H. 9—86178
Logan, R.A. *see* Lang, D.V. 9—60398, 9—65517
Logan, R.A. *see* Merz, J.L. 9—99917
Logan, R.A. *see* Sergent, A.M. 9—81539
Logan, R.A. *see* Tsang, W.T. 9—72581, 9—76696, 9—81425, 9—98398
Logan, R.A. *see* Tsui, D.C. 9—99606
Loganathan, K., Gallagher, R.H., Abel, J.F., Chang, S.C. Finite element representation and pressure stiffness in shell stability analysis 9—90160
Logg, C.A. *see* Cottrell, L.A. 9—93852
Logginov, A.S., Semyanistyi, A.V., Solov'ev, V.E., Yul'berdin, Yu.E. Problem of optimal conditions for pulse-code modulation of injection laser radiation 9—59733
Logginov, A.S., Solov'ev, V.E. Kinetics of emission of radiation from stripe injection lasers with double heterojunctions 9—64229
Loghin, V. *see* Gaiseanu, F. 9—77615
Loghinov, A.P. Local and resonance vibrations in defect polymer solids 9—99287
Logic, J.R. *see* Goldenberg, D.J. 9—100719
Loginov, A.P. *see* Gnatovskii, A.V. 9—50327, 9—89950
Loginov, A.V. Parametrization of the fine structure of the ps configuration 9—97988
Loginov, A.V., Gruzdev, P.F. Probabilities of $2p^6$, $2p^5np$-$2p^5ms$ (n=3, 4; m=3, 4, 5) transitions and radiation lifetimes of levels in the spectrum of the Al IV ion 9—76372
Loginov, A.V. *see* Gruzdev, P.F. 9—98037, 9—98041
Loginov, M.V., Mittsev, M.A. Investigation of the adsorption of samarium on tungsten by the flux modulation method 9—69363
Loginov, M.V., Mittsev, M.A. Concentration dependences of the lifetime and heat of adsorption of samarium atoms on a tungsten surface 9—69364
Loginov, S.A. *see* Budov, V.M. 9—97785
Loginov, V.M. *see* Shapiro, V.E. 9—75457
Loginov, V.V. *see* Kondrat'ev, I.K. 9—84533
Loginova, A.A. *see* Baradzei, L.T. 9—80159
Loginova, R.V. *see* Aleksandrov, L.N. 9—95927
Logothetis, A.L., McKenna, J.M. Alternating copolymers of propylene and alkyl acrylates 9—51950
Logothetis, E.M., Hetrick, R.E. Oscillations in the electrical resistivity of TiO_2 induced by solid/gas interactions 9—91068
Logunov, A.A., Mestvirishvili, M.A., Rcheulishvili, G.L., Samokhin, A.P. Can the weak interaction become strong? 9—58952
Logunov, A.A. *see* Balbekov, V.I. 9—63829
Loguntsev, E.N. *see* Timokhin, A.N. 9—70243
Logvinenko, S.P., Rossoshanski, O.A. Gallium arsenide p-type low temperature thermometers 9—58687
Logvinenko, S.P. *see* Ibragimov, R.Sh. 9—88953
Logvinov, I.M. *see* Rokityanskiy, L.I. 9—62432
Loh, E., Jr. *see* Flannery, M. 9—72644
Loh, E., Jr. *see* Sparks, M. 9—81470, 9—81471
Loh, E.C. *see* Cassiday, G.L. 9—63864
Loh, H. *see* Bittner, G. 9—67591
Loh Jaine-I. Jane *see* Jaine-I. Jane Loh
Lohani, B.N. A chance constrained approach to regional wastewater management systems 9—57513
Lohani, B.N., Adulbhan, P. A goal programming applied to regional water quality management 9—57514
Lohani, B.N., Thanh, N.C. Stochastic programming model for water quality management in a river 9—57507
Lohar, B.L. *see* Jain, P.C. 9—81879
Lohmann, A.W., Weigelt, G.P. Astronomical speckle interferometry; measurements of isoplanicity and of temporal correlation 9—75116
Lohmann, A.W. *see* Bartelt, H.O. 9—81391
Lohmann, A.W. *see* Bialetzki, J. 9—80237
Lohmann, A.W. *see* Braunecker, B. 9—94162
Lohmann, A.W. *see* Gotz, J. 9—76869
Lohmann, W., Schreiber, H.J. Cross-section energy dependence of planar and non-planar two-body hypercharge-exchange reactions 9—75790
Lohmann, W. *see* Otter, G. 9—85338
Lohmann, W. *see* Sapper, H. 9—62170
Lohmuller, R., Tiltscher, H. Experimental high-pressure techniques. I. Equipment for reaction-kinetic measurements at high pressures 9—49244
Lohner, H., Ludewigt, B., Frekers, D., Gaul, G., Santo, R. Nuclear fragmentation with 100 MeV α-particles 9—93642
Lohnert, G.H. Shutdown concept for large high temperature reactors 9—97818
Lohneysen, H.V., Tholence, J.L. Remanent magnetization of a rare-earth spin-glass: $(La,Gd)Al_2$ 9—87276
Lohneysen, H.V., Tholence, J.L., Tournier, R. Frequency dependence of the susceptibility maximum in a spin glass 9—61172
Lohneysen, H.V. *see* Bredl, C.D. 9—61173
Lohneysen, H.V. *see* Tholence, J.L. 9—61174
Lohneysen, H.Y., Picot, B. Effect of electron irradiation on the heat capacity of vitreous silica 9—65212
Lohr, B. *see* Brandelik, R. 9—63491, 9—93441
Lohr, L.L., Jr., Pyykko, P. Relativistically parameterized extended Huckel theory 9—49924
Lohr, W. *see* Jochims, H.W. 9—59514
Lohse, F., Spaeth, J.M. Fluorescence of interstitial atomic hydrogen in alkali halides doped with I^- 9—73987
Loide, R.-K. *see* Koiv, M. 9—75400
Loiko, T.V. *see* Babich, L.P. 9—60210
Loinger, A. *see* Bocchieri, P. 9—63081, 9—88832
Loirat, H. *see* Caralp, F. 9—52665
Lois, L., McCreless, T.G. An application of invariant imbedding to neutron thermalization 9—67811
Loiseau, B. *see* Pauss, F. 9—67577
Loiseaux, J.M. *see* Belmont, J.L. 9—54634
Loiseaux, J.M. *see* Raisbeck, G.M. 9—57338, 9—66714
Loiseleur, H. *see* Charbonnier, F. 9—90633
Loiseleur, H. *see* Durand, B. 9—82185
Loisier, G., Cornilleau-Wehrlin, N., Gendrin, R. Determination of wave normal directions for time-varying signals. Application to natural VLF emissions detected on board satellite 9—70927
Loix, G.Y. *see* Glibert, J. 9—51286
Loizou, G. *see* Delpy, D.T. 9—100783
Loizzo, P., Scarano, G. Safety problems of fast reactors 9—63754
Lojkowksi, W., Grabski, M.W. On material purity influence on the spreading temperature of grain boundary dislocations 9—77609
Lokai, V.I., Shchukin, A.V., Khairutdinov, R.M. Experimental study of curvilinear surface film cooling effectiveness 9—81878
Lokajicek, M., Kozubek, S., Prokes, K. NSD and cell survival 9—74720
Lokan, K.H. *see* Adams, R.J. 9—76048
Lokanadham, B., Ray, S., Bhonsle, R.V. A measurement of ionospheric irregularity from radio star scintillations 9—84579
Lokanathan, S. *see* Krishnamurthy, A. 9—73865
Lokberg, O.J. Use of chopped laser light in electronic speckle pattern interferometry 9—85165
Lokberg, O.J., Hogmoen, K. Holographic methods made useful by phase modulated ESPI 9—85167
Lokberg, O.J., Hogmoen, K., Holje, O.M. Vibration measurement on the human ear drum in vivo 9—53205
Loken, M.K. *see* Frick, M.P. 9—88211
Loken, O.H. Postglacial tilting of Akpatok Island, Northwest Territories 9—57901
Loken, S. *see* Fancher, D. 9—68148
Loken, S.C. *see* Clark, A.R. 9—75779
Lokerson, D.C. A conceptually unique speech training aid system 9—70700
Lokhande, N.R., Chetal, A.R. X-ray spectroscopic study of the compounds $SmCu_5$ and $SmCo_5$ 9—91531
Lokhov, Yu.N. *see* Golubev, S.G. 9—55167
Lokmanhekim, M. *see* Graven, R.M. 9—57456
Lokmanhekim, M. *see* Malik, M.A.S. 9—57371
Lokotanov, N.S., Nosyrev, O.A. Flue gas scrubbing in wire cloth filter in combustion of solid waste 9—71919
Lokre, V.L. *see* Dedgaonkar, R.P. 9—88939
Lokshin, A.A. Wave equations with memory and one-dimensional oscillatory integrals 9—92990
Loktev, A.L. Calculation of plane irrotational flows with allowance for compressibility 9—90274
Loktev, B.E. *see* Belotserkovskii, S.M. 9—86442
Loktev, V.M. On the possible magnetic structure of β-oxygen 9—56500
Loktev, V.M., Ostrovskii, V.S. Quantum theory of uniaxial antiferromagnets in transverse magnetic fields 9—69647
Loktev, V.M., Ostrovskii, V.S. Spin excitations in CoF_2 in a longitudinal magnetic field 9—69657

Loktev, V.M., Pogorelov, Yu.G. Spin impurity states in anisotropic antiferromagnets. I. Single-impurity approximation 9—87253

Lokvenc, J. A dynamic method for capacitance measurement 9—63272

Loladze, G.Z. *see* Kutateladze, K.S. 9—60281

Loladze, Ts.D. *see* Kerashvili, L.M. 9—55539

Lolck, J.-E., Brodersen, S. Some Raman bands of C_3O_2 9—59463

Lolck, J.-E., Robiette, A.G. Interpretation of vibration-rotation constants derived from the ν_1 band of methane 9—76529

Lolich, J. *see* Abbate, M. 9—85582

Lollgen, H., Nieding, G.V., Kersting, F., Just, H. Transcutaneous Measurement of PO_2 in adults: exercise testing and monitoring in acute myocardial infarction 9—83965

Lollo, V.Di *see* Di Lollo, V.

Loly, P.D., Bahurmuz, A.A. Finite diffraction models for electron bandstructures 9—87034

Loly, P.D. *see* Bahurmuz, A.A. 9—87274

Loly, P.D. *see* Smith, G.R. 9—71181

Lomachenkov, I.A. *see* Dumitrescu, T. 9—75925

Lomaev, G.V. *see* Len'kov, S.V. 9—51800

Lomakin, S.S. *see* Golubev, L.I. 9—71878

Lomakin, Yu.F. *see* Abdinov, O.B. 9—89334

Lomako, I.D. *see* Sirota, N.N. 9—87263

Lomanno, F.D. *see* Shupe, M.A. 9—63485

Lomanov, M.F., Reznik, B.I., Shimchuk, G.G., Yakovlev, R.M. Contribution of secondary particles to the absorbed dose in local exposure to 200-MeV protons 9—100752

Lomashev, B.I. *see* Vasil'ev, N.I. 9—60067

Lomax, F.E. *see* Agee, E.M. 9—88416

Lombaard, J.M. *see* Friedland, E. 9—77652

Lombard, R.M. *see* Alkhazov, G.D. 9—75883

Lombardero, M., Santamaria, J. Molecular theory of liquid mixtures 9—68991

Lombardero, M. *see* Santamaria, J. 9—68992

Lombardi, J.R. *see* Birke, R.L. 9—73926

Lombardi, J.R. *see* Gersten, J.L. 9—82989

Lombardi, J.R. *see* Lindsay, D.M. 9—50033

Lombardi, M. *see* Jost, R. 9—72353

Lombardo, F. *see* Shannon, W.E. 9—66837

Lombardo, U. *see* Catara, F. 9—63611

Lombos, B.A. *see* Fau, C. 9—82595

Lominadze, D.G., Chagelishvili, G.D. Relativistic self-focusing of plasma waves in a cold magnetized plasma 9—73009

Lominadze, D.G., Mikhailovskii, A.B. Longitudinal waves and beam instability in a relativistic plasma 9—60158

Lominadze, D.G. *see* Mikhailovskii, A.B. 9—55487

Lominadze, J.G., Mikhailovskii, A.B., Beasley, C.O. Beam shear-Alfven instability in two-component Tokamak 9—60119

Lominadze, J.G. *see* Kaladze, T.D. 9—73024

Lommen, T.P.A. *see* Gossink, R.G. 9—66376

Lomnitz-Adler, J. *see* Bonaccorso, A. 9—85367

Lomon, E.L. Coupled channel effects on nucleon-nucleon phase shifts and resonances 9—67574

Lomon, E.L. Two hadron interaction 9—80838

Lomon, E.L. Mesonic exchange current effects in elastic electron-deuteron scattering 9—85374

Lomonosov, V.I. *see* Aleksandrov, B.M. 9—63709

Lomonosov, V.V. *see* Arushanov, S.Z. 9—87530

Lomonosov, V.V. *see* Dobrynin, Yu.L. 9—59070

Lomonova, E.E. *see* Aleksandrov, V.I. 9—52399

Lomov, A.A., Milenin, V.M., Timofeev, N.A. Positive column of a pulsed mercury-argon discharge 9—64919

Lomova, L.G. *see* Galstyan, G.T. 9—78654

Lomsadze, Yu.M., Agranovskii, B.A. New integral and local forms of Pomeranchuk's theorem 9—97609

Loncar, G. *see* Musil, J. 9—52406

Loncarevic, B. *see* Angenheister, G. 9—57889

Loncarevic, F., Thamming, R., Bosnar, M., Plammootil, P. Extension of the subtraction technique in the scanning of the pancreas 9—66506

Lonchin, G.M., Machurin, E.S., Remizova, A.A. Effect of electron irradiation on the structure and properties of cast irons 9—96126

Londergan, J.T. *see* Shang-Fang Tsai 9—89281

London, G.W. *see* Corden, M.J. 9—75768

London, J., Oltmans, S.J. The global distribution of long-term total ozone variations during the period 1957-1975 9—84429

Long, A.B. Assessment of new instrumentation and control technologies. Remote multiplexing. A case study 9—76109

Long, C.L. *see* Hoover, D.B. 9—84097

Long, E.L., Homan, F.J. Selection of fuel for high-temperature gas-cooled reactors 9—54504

Long, J.V.P. *see* Reed, S.J.B. 9—58304

Long, K. *see* Giacconi, R. 9—70941

Long, K.A., Bishop, A.R. Nonlinear excitations in classical ferromagnetic chains 9—78286

Long, K.S., Chanan, G.A., Ku, W.H.-M., Novick, R. The linear X-ray polarization of Scorpius X-1 9—101221

Long, M.B. *see* Murphy, D.V. 9—74476

Long, M.B. *see* Webber, B.F. 9—98827

Long, P.A.De *see* De Long, P.A.

Long, P.E. *see* Rhodes, J.M. 9—88335

Long, P.E., Jr. *see* Pepper, D.W. 9—83662

Long, R.E. *see* Boynton, C.H. 9—84139

Long, R.J. *see* Tomljanovich, N.M. 9—58131

Long, R.K. *see* Peterson, J.C. 9—50011

Long, R.R. The growth of the mixed layer in a turbulent stably stratified fluid 9—55358

Long, W.F. Matrix optics of catadioptic systems 9—94167

Long, W.F. *see* Barger, V. 9—71685, 9—93404

Long, W.H., Jr. Discharge stability in e-beam-sustained rare-gas halide lasers 9—55117

Long, W.H., Jr., Bradford, R.S., Jr. Electrical characteristics of an e-beam controlled KrF* discharge 9—59680

Long, W.H., Jr. *see* West, J.B. 9—68907

Long Chen-fen *see* Chen Shou-hsi 9—65175

Long Wang *see* Wang Long

Long-hua Lu *see* Lu Long-hua

Longacre, A, Jr. *see* McAfee, R.D. 9—53191

Longacre, R.S. *see* Arndt, R.A. 9—93456

Longair, M.S. Extragalactic radio-sources 9—75291

Longair, M.S. The Space Telescope and its opportunities 9—88595

Longair, M.S., Riley, J.M. Statistical evidence on the dynamical evolution of extended radio sources 9—88757

Longair, M.S. *see* Ferland, G.J. 9—67101

Longair, M.S. *see* Hine, R.G. 9—71124

Longauer, S. *see* Zrnik, J. 9—70073

Longe, P., Bose, S.M. Effect of edge anomaly on the valence-band Auger spectra of metals 9—69908

Longequeue, N. *see* Viano, J.B. 9—93652

Longhetto, A. *see* Briatore, L. 9—100892

Longhetto, A. *see* Santomauro, L. 9—70853

Longhi, P. *see* Bianchi, G. 9—66199

Longhurst, A.R. *see* Gordon, D.C., Jr. 9—92093

Longinelli, A., Bartelloni, M. Atmospheric pollution in Venice, Italy, as indicated by isotopic analyses 9—79992

Longino, G. *see* Winicov, H. 9—52628

Longinov, A.V., Stepanov, K.N. Excitation of resonances in a toroidal plasma confinement system 9—90406

Longinov, A.V. *see* Klima, R. 9—98863

Longinov, V.V. *see* Vasil'yev, V.I. 9—67290

Longman, C.D., Bluck, B.J., van Breemen, O. Ordovician conglomerates and the evolution of the Midland Valley 9—92540

Longman, G.W. *see* Ballard, D.G.H. 9—94922

Longman, G.W. *see* Clements, J. 9—91717

Longmire, M.S., Bartoe, J.-D.F., Brown, C.M., Brueckner, G.E., Tousey, R. Measurements of spectrally integrated atmospheric transmittance in the O_2 Schumann-Runge bands and derived oxygen column densities: 76-102 km 9—70902

Longmore, A.J., Hawarden, T.G., Cannon, R.D., Allen, D.A., Mebold, U., Goss, W.M., Reif, K. NGC 5291: a massive, gas-rich and highly peculiar lenticular in the IC 4329 cluster 9—71127

Longo, E. *see* Amaldi, E. 9—71771

Longo, E. *see* Jonker, M. 9—93399

Longo, F.W. *see* Rivin, B.D. 9—83874

Longo, G., Fabbri, F. Angular distributions in photonucleon and nucleon radiative capture reactions 9—71852

Longo, G. *see* Rigaud, F. 9—93617

Longo, I. Microwave gas spectrometer utilizing a dielectric image wave guide 9—93229

Longo, J.M. *see* Glaunsinger, W.S. 9—87310

Longo, J.M. *see* White, T.R. 9—78339, 9—91215

Longo, M.J. *see* Burke, D.L. 9—49554

Longo, M.J. *see* Roe, B.P. 9—63537

Longo, R.B. *see* Margolin, H. 9—99211

Longoni, A. *see* Cova, S. 9—49303

Longoni, A. *see* Gatti, E. 9—76274

Longpei Shi *see* Shi Longpei

Longuemard, J.P. *see* Bresson, J. 9—96756

Longuemare, C., Dupas, C. At Stanford. Demonstration of a new interaction 9—89270

Longuemare, C. *see* Armenise, N. 9—67536, 9—93397

Longuemare, C. *see* Bonetti, S. 9—49509

Longuemare, C. *see* Ciampolillo, S. 9—71739

Longuemare, C. *see* Pohl, M. 9—49507

Longuet-Higgins, M.S. The almost-highest wave: a simple approximation 9—90268

Lonngren, K.E., Hershkowitz, N. A note on plasma expansion into a vacuum 9—77350

Lonngren, K.E. *see* Farnsworth, A.V., Jr. 9—64622

Lonngren, K.E. *see* Hershkowitz, N. 9—64863

Lonngren, K.E. *see* Johnson, S.F. 9—91153

Lonngren, K.E. *see* Ze, F. 9—77373, 9—90461

Lonnroth, T., Blomqvist, J., Bergstrom, I., Fant, B. High-spin states in ^{207}Bi and the question of three-particle interactions 9—49567

Lonsdale, P., Hollister, C.D. A near-bottom traverse of Rockall Trough: hydrographic and geologic inferences 9—62483

Lonsdale, P., Shor, A. The oblique intersection of the Mid-Atlantic Ridge with Charlie-Gibbs transform fault 9—84212

Lontz, R. *see* Kwon, Y.S. 9—76806

Loo, F.T.C. *see* Ahmad, J. 9—77011

Loof, H. The DMC 26 from Carl Zeiss—a colour-measuring instrument of enhanced techno-economical performance 9—93203

Looft, F.J., Fuller, M.S. Multiple unit correlation analysis of cutaneous receptors 9—100638

Looft, F.J., Williams, W.J. On-line receptive field mapping of cutaneous receptors 9—74797

Look, D.C. *see* Farmer, J.W. 9—77636

Lookadoo, P.G. *see* Cordell, K.R. 9—75815

Loomer, E.I. *see* Gupta, J.C. 9—75054

Loomis, B.A., Gerber, S.B. Reduction of void-volume fraction in Nb by Ti alloying 9—51162

Loomis, B.A. *see* Nagakawa, J. 9—55784

Loomis, G.G. *see* Harvego, E.A. 9—49727

Loomis, J.S. The use of paraxial solves in lens design 9—86229

Loomis, R.W. *see* Barsoum, R.S. 9—72856

Loomis, W.A., Gordon, B.A., Pipkin, F.M., Pordes, S.H., Shambroom, W.D., Verhey, L.J., Wilson, R., Anderson, H.L., Fine, R.M., Heisterberg, R.H., Matis, H.S., Mo, L., Myrianthopoulos, L.C., Wright, S.C., Francis, W.R., Hicks, R.G., Kirk, T.B.W., Bharadwaj, V.K., Booth, N.E., Kirkbride, G.I., Quirk, T.W., Skuja, A., Staton, M.A., Williams, W.S.C. Hadron production in muon-proton and muon-deuteron collisions 9—71757

Looney, L.D. *see* Lyons, P.B. 9—50420

Looney, L.D. *see* Nelson, M.A. 9—54173

Loong, C.-K. *see* Stassis, C. 9—78308

Loop, M.S., Bruce, L.L., Petuchowski, S. Cat color vision: the effect of stimulus size, shape and viewing distance 9—74668

Loore, C.de *see* de Loore, C.

Loos, A.C., Springer, G.S. Moisture absorption of graphite-epoxy composites immersed in liquids and in humid air 9—61897

Loos, G.C., Hogge, C.B. Turbulence of the upper atmosphere and isoplanatism 9—96810

Loos, J.S. *see* Biswas, N.N. 9—63556

Loos, L. *see* De Clercq, C. 9—89188

Loose, P. Modern electronic-based timing systems 9—85129

Looyestijn, W.J., Klaassen, T.O., Poulis, N.J. Bloch-wall NMR signals from nuclei with anisotropic hyperfine interaction 9—51864

Looyestijn, W.J., Klaassen, T.O., Poulis, N.J. Fine structure on NMR lines in a paramagnet due to indirect nuclear spin-spin coupling 9—61244

Looyestijn, W.J., Klaassen, T.O., Poulis, N.J. Deuterium quadrupolar interaction in the $M_2CuX_4.2D_2O$ compounds 9—73848

Looyestijn, W.J., Klaassen, T.O., Poulis, N.J. Second-order effects of magnetic hyperfine interaction on NMR spectra in the $M_2CuX.2H_2O$ compounds. I. Pseudoquadrupolar interaction 9—78540

Looyestijn, W.J., Klaassen, T.O., Poulis, N.J. Second-order effects of magnetic hyperfine interaction on NMR spectra in the $M_2CuX_4.2H_2O$ compounds. II. Fine structure due to indirect coupling of nuclear spins 9—78541

Looyestijn, W.J., Klaassen, T.O., Poulis, N.J. Magnetic interactions of H and D nuclei in $K_2CuCl_4.2H_2O$ and isomorphous compounds 9—87251

Loparev, A.N. *see* Min'ko, L.Ya. 9—74031

Lopasov, V.P., Tyryshkin, I.S. High-speed high-resolution laser spectrometer 9—54201

Lopasov, V.P. *see* Zuev, V.E. 9—66791

Lopatin, V.E. *see* Baulin, N.N. 9—77301

Lopatin, V.N., Sidko, F.Ya. Effect of the shell and the nucleus on the indicatrix and degree of polarization of radiation scattered by small soft biological particles 9—74608

Lopatin, V.S. *see* Bistritsky, V.M. 9—72025

Lopatin, Yu.V. *see* Efimov, I.A. 9—76101

Lopatkin, V.M. *see* Ivanov, K.G. 9—69406

Lopatnikov, S.L., Namiot, V.A. New method for studying macromolecules 9—64135

Lopato, L.M. *see* Shevchenko, O.V. 9—96007

Lopato, L.M. *see* Stegnii, A.I. 9—77725

Loper, D.E. *see* Muller, G. 9—84102

Loper, D.E. *see* Roberts, P.H. 9—50807

Loper, R.K. *see* Cordain, L. 9—70682

Lopes, J.L., Spehler, D. The limit of massive electrodynamics and the two-component photon field theory 9—63393

Lopes, J.S., Jesus, A.P., Ramos, S.C. Fitted inner-shell proton ionization cross sections from Ca to Sn for 0.2-2 MeV incident energy 9—86055

Lopes Cardozo, H.A., Bulthuis, J., MacLean, C. Temperature-dependent T_1 measurements of ^{13}C and ^{14}N in acetonitrile dissolved in a thermotropic liquid crystal 9—94016

Lopex-Otero, A. *see* Ramage, J.C. 9—82985

Lopez, A., Fink, H.J. Fluxoid quantum number at H_{c3} 9—78275

Lopez, A. *see* Balseiro, C. 9—78595

Lopez, C. *see* Gonzales-Arroyo, A. 9—71688

Lopez, E. *see* Martinez, A.C. 9—74693

Lopez, F.J., Cabrera, J.M., Agullo-Lopez, F. Radiation-induced colouring in NaCl:Mn^{2+} 9—55736

Lopez, J.M.Miguel *see* Miguel Lopez, J.M.

Lopez, V. A visit to Paris Observatory 9—84929

Lopez De Haro, M. *see* Jones, D.A. 9—73086

Lopez-Delgado, R. *see* Andre, J.C. 9—72642

Lopez-Garcia, A.R., Bibiloni, A.G., Caracoche, M.C., Martinez, J.A., Mendoza-Zelis, L.A., Mercader, R.C., Pasquevich, A.F., Dyment, F. Application of TDPAC techniques to diffusion models: diffusion mechanism of Ag in In 9—78589

Lopez-Garcia, A.R. *see* Martinez, J.A. 9—82902

Lopez-Gonzales, J. de D., Fernandez-Morales, I., Gonzales-Gomez, C. Influence of the maximum beta energy of a radioisotope on the colour quenching of Cherenkov radiation 9—76268

Lopez-Gonzalez, J. de D. *see* Linares-Solano, A. 9—51396

Lopez-Otero, A. *see* Carver, G.P. 9—65567

Lopez-Otero, A. *see* Huber, W. 9—82696

Lopez-Otero, A. *see* Vogl, P. 9—61343

Lopez-Rios, T., Abeles, F., Vuye, G. Investigation of metallic surface layers on metals by surface plasmon ATR spectroscopy 9—78770

Lopez-Rios, T., De Crescenzi, M., Borensztein, Y. Contribution of longitudinal polarization waves to the optical properties of Ag surface layers 9—83046

Lopez-Rios, T. *see* De Crescenzi, M. 9—78780

Lopitaux, J. *see* Arsene, J. 9—65031

Loponen, M.T. *see* Ehnholm, G.J. 9—78538

Loppin, G. Indentation of an elastic support, and numerical applications 9—50673

Lopuszanski, J.T. *see* Buchholz, D. 9—71596

Lopyrev, V.A. *see* Afanas'ev, N.V. 9—65794

Lopyrev, V.A. *see* Starova, G.L. 9—55735

Lorang, G., Langeron, J.P. Diffusion and solubility of carbon in Mo and TZM 9—55932

Lorch, E.A. Industrial and analytical applications of radioisotope radiation sources 9—85847

Lord, A.E., Jr. *see* Tyagi, S. 9—52287, 9—66091, 9—84894

Lord, A.E., Jr. *see* Wouch, G. 9—70052

Lord, A.J.R. *see* Bickel, H.J. 9—50516

Lord, D.J. *see* Smith, D.C.G. 9—97897

Lord, J. *see* Nishimura, J. 9—80153

Lord, J.J. *see* Hand, L. 9—75979

Lord, M. The effect of location of muscle spindle on the predicted reflex control of muscle length 9—57639

Lord, P.W. *see* Block, H. 9—73883

Lord, R.G. Tangential momentum accommodation coefficients of rare gases on polycrystalline metal surfaces 9—95270

Lord, R.S. *see* Ball, J.B. 9—54660, 9—68015

Lordello, A.R., Abrao, A., Gomes, R.P. Spectrochemical procedures for analytical control of eighteen general impurities and fourteen rare earth elements in UO_2 pellets and other uranium-base materials 9—59232

Lordi, N.J. *see* Kao, S.K. 9—84439

Loree, T.R., Sze, R.C., Barker, D.L., Scott, P.B. New lines in the UV:SRS of excimer laser wavelengths 9—59755

Lorefice, G.J. *see* Flint, R.W. 9—88016

Lorents, D.C. *see* Bischel, W.K. 9—68382

Lorents, D.C. *see* Zamir, E. 9—59671

Lorenz, E. *see* Becker, H. 9—54363, 9—63533

Lorenz, E. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Lorenz, H. *see* Wessels, G. 9—83866

Lorenz, J. *see* Ruska, J. 9—82174

Lorenz, J.J., Yung, D. A note on combined boiling and evaporation of liquid films on horizontal tubes 9—81882

Lorenz, R. *see* Riehm, P.F. 9—89420

Lorenz, R.A., Collins, J.L., Malinauskas, A.P. Modeling fission product release from ruptured LWR fuel rods 9—49780

Lorenz, W., Handschuh, M. Chemisorption theory and charges distribution at semiconductor electrodes 9—52689

Lorenz, W. *see* Engler, C. 9—51434

Lorenz, W.J. *see* Van Der Eerden, J.P. 9—60630

Lorenzelli, N. *see* Dunlop, A. 9—51159

Lorenzelli, R. *see* Bayoglu, A.S. 9—73339

Lorenzelli, R. *see* el Sayed Ali, M. 9—91609

Lorenzelli, V. *see* Lichene, F. 9—72294

Lorenzen, A. *see* Lamb, B.K. 9—62545

Lorenzen, J. *see* Espefalt, R. 9—97853

Lorenzini, E., Orlandelli, C.M. Experimental study for forced convection in annuli. II 9—81977

Lorenzo, E. *see* Luque, A. 9—87994

Lorenzo, J.P., Davies, D.E., Ryan, T.G. Anodic oxidation and electrical carrier concentration profiles of ion-implanted InP 9—70185

Lorenzo, J.P. *see* Davies, D.E. 9—99541

Loretto, M.H. *see* Salisbury, I.G. 9—82225

Lorge, J.de *see* de Lorge, J.

Loridan, G., Avignon, T., Bouscasse, L. Optimisation of the SCF energy with regard to Slater's exponents 9—49936

Loriers-Susse, C. *see* Bastide, J.-P. 9—95177, 9—95383

Lorimer, G.W. *see* Al-Salman, S.A. 9—83201

Lorinc, M. *see* Hoffmann, G. 9—51139

Lorincz, E., Richter, P., Peczeli, I. Excitation processes in a hollow-cathode He-Zn discharge 9—98342

Lorinczy, A. *see* Andrasi, M. 9—51679

Lorinczy, A. *see* Hoffmann, G. 9—99456

Loring Boatright, R., Kalnin, G.N. The trials and tribulations of opacity monitoring [fossil-fuelled power stations] 9—100557

Lorius, C., Pourchet, M., Merlivat, L., Jouzel, J. A 30000-yr isotope climatic record from Antarctic ice 9—92586

Lorkowski, H.-J., Lampe, I.V. Relation between structure, transformation, and properties of highly cross-linked methacrylates 9—55677

Lormand, G. Calculation of the resistivity of a grain-boundary joint [dislocation] by the pseudopotential method 9—51539

Lorrain, P. Double-pendulum vibration isolator with three-dimensional isolation 9—67295

Lorriaux, J.L., Merlin, J.C., Dupaix, A., Thomas, E.W. Resonance Raman spectra of parasubstituted derivatives of azobenzene 9—59472

Lorstad, B. *see* Albrow, M.G. 9—75805

Lortz, D. An improved 'peeling' stability criterion 9—98953

Lortz, W. A model of the cutting mechanism ingrinding 9—79124

Lory, E.R. *see* Manuccia, T.J. 9—64113

Lor'yan, S.G., Saringyulyan, R.S., Kostanyan, K.A. Electrical conductivity of high-silica glasses in the Al_2O_3-B_2O_3-SiO_2 system over a wide range of temperatures 9—65487

Los, J. *see* de Vreugd, C. 9—72403, 9—86027, 9—98186

Los, J. *see* Verhoeven, J. 9—51430

Los, V.F. On the quantum Liouville equation for an open system 9—85068

Los', V.F. The Mossbauer effect in ferromagnets at temperatures close to the Curie temperature 9—87339

Los Arcos, J.M., Vano, E. A new computer-based examination system 9—48983

Los Arcos, J.M. *see* Brosed, A. 9—92377

Los Arcos, J.M. *see* Gonzalez, J.A. 9—97960

Los Arcos, J.M. *see* Gonzalez, L. 9—80876

Losch, K. *see* Ruhle, W. 9—60761

Losch, W. Identification of S and S^{2-} states from Auger line shapes 9—92034

Losch, W. *see* Dhere, N.G. 9—91161

Loschau, W., Moras, K., Bottger, R., Langer, M., Meyer, K. The new HZG 4 universal X-ray diffractometer made by VEB Freiberger Prazisionsmechanik 9—54242

Loschke, K. Applicability of multiple angle of incidence ellipsometry (MAI). Measurements to GaAs anodic oxide and GaP anodic oxide systems at the wavelength 632.8 nm 9—63294

LoSecco, J. *see* Weng, W.T. 9—72062

Losecke, W., Knodel, K., Muller, W. The conductivity distribution in the North German sedimentary basin derived from widely spaced areal magnetotelluric measurements 9—74833

Losev, I.S. Limiting behaviour of a model of the impulse activity of a neurone for high frequencies of the input flows and small contributions of one synapse (non-diffusion approximation) 9—57630

Losev, L.L. *see* Grasyuk, A.Z. 9—72596

Losev, N.F. *see* Pavlinskii, G.V. 9—52822

Losev, N.P. *see* Kiselevskii, V.N. 9—91793

Losev, V.F. *see* Bichkov, Y.I. 9—94250

Losev, V.F. *see* Bychkov, Yu.I. 9—94244

Losev, V.V. *see* Molodov, A.I. 9—61872

Loseva, M.V. *see* Betin, O.I. 9—85983

Loseva, T.V. *see* Kozik, E.A. 9—64885

Loshchenkova, E.F. Absorption coefficient of light due to indirect transitions in direct-gap semiconductors 9—91400

Loshchenov, V.B. *see* Zakharov, N.A. 9—65928

Loshchenov, V.I. *see* Kustov, E.F. 9—78062

Loshkarev, A.I. *see* Domanin, M.G. 9—55606

Loshmanov, A.A. *see* Akhmedzhanov, Z.I. 9—94849

Loshmanov, A.A. *see* Treushnikov, E.N. 9—90595

Loshmanov, L.P. *see* Balankin, S.A. 9—59165

Loskutov, G.P. *see* Naida, Yu.I. 9—100073

Loskutov, V.F., Bayakova, A.V., Permyakov, V.G. Deposition of niobium carbide on the surface of iron and steels 9—52462

Losonsky, W. *see* Lapicki, G. 9—94074

Loter, N.G., Halverson, W., Lax, B., Nagel, D.J. Soft X-ray diagnostics of CO_2 laser-produced magnetoplasmas 9—60192

Lothe, J. *see* Al'shits, V.I. 9—60614

Lothe, J. *see* Hirth, J.P. 9—99432

Lotnik, S.V. *see* Korobeinikova, V.N. 9—95856

Lototskii, V.B. *see* Starik, P.M. 9—73154

Lotova, N.A., Chashei, I.V. Rearrangements of the interplanetary scintillation pattern 9—96879

Lotspeich, J.F. *see* Pinnow, D.A. 9—59804

Lott, K.A.K. *see* Elahi, M. 9—82866

Lotter, U., Muschenborn, W., Knorr, R. Texture control of deep drawing steels as affected by processing variables 9—91689

Lotti, F. *see* Furiozzi, L. 9—96637

Lottici, P.P. *see* Bacewicz, R. 9—99870

Lottner, V., Buchenau, U., Fitzgerald, W.J. Incoherent structure factor of hydrogen in $NbH_{0.11}$ 9—99186

Lottner, V., Haus, J.W., Heim, A., Kehr, K.W. Study of jump models for the diffusion of hydrogen in $NbH_{0.02}$ by means of the quasielastic scattering of slow neutrons 9—95208

Lottner, V., Heim, A., Kehr, K.W., Springer, T. Investigation of the diffusion of hydrogen in $TaH_{0.13}$, $NbH_{0.02}$ and $VH_{0.07}$ single crystals by quasi-elastic scattering 9—60550

Lottner, V., Schober, H.R., Fitzgerald, W.J. Band modes of hydrogen in the BCC metals Nb, V, and Ta 9—55852

Lotts, A.L., Allen, J.W. HTGR fuel recycle technology 9—59246

Lotz, W.G. Endocrine function in rhesus monkeys exposed to pulsed microwave radiation 9—96620

Lou, A.Y.C., Walter, J.D. Interlaminar-shear-stress measurements in cord-rubber composites 9—57043

Lou, D. *see* Asbeck, P.M. 9—89954

Lou, L.F. Current-voltage characteristics of ZnO-Bi_2O_3 heterojunction 9—56291

Lou, Y.S., Yang, L.S. Quasisteady theory of nonequilibrium droplet evaporation and condensation 9—99394

Loubriel, G., Plummer, E.W. Photoionization resonance in $Cr(CO)_6$: implications for bonding of adsorbed CO 9—76473

Loucatos, S. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292

Loucatos, S. *see* Groot, J.G.H. 9—93395

Louchet, F., Kubin, L.P., Vesely, D. In situ deformation of BCC crystals at low temperatures in a high-voltage electron microscope. Dislocation mechanisms and strain-rate equation 9—82227

Loude, J.F. *see* Strassner, G. 9—89280

Loude, J.-F. *see* Alder, J.-C. 9—85381

Loude, J.-F. *see* Gabioud, B. 9—67600

Loudon, J. Pioneer Venus a first report 9—84701

Louer, D. *see* Auffredic, J.P. 9—55900

Loughhead, R.E. *see* Bray, R.J. 9—83568

Loughnane, M.H. *see* McElligott, J.G. 9—74798

Louie, S.G., Kai-Ming Ho, Cohen, M.L. Self-consistent mixed-basis approach to the electronic structure of solids 9—69394

Louis, G. *see* Lepoutre, F. 9—54943

Louis, J.F. *see* Shamma, S.E. 9—68960

Louis, W. *see* Ammosov, V. 9—71737

Louis, W. *see* Berge, J.P. 9—71741

Louis, W. *see* Efremenko, V.I. 9—75763

Louisell, W.H., Lax, M., Agrawal, G.P., Gatzke, H.W. Simultaneous forward and backward integration for standing waves in a resonator 9—94258

Louisell, W.H. *see* Lax, M. 9—94263

Louko, L.J. *see* Manning, W.H. 9—57676

Lounasmaa, O.V. Dilution refrigeration 9—67310

Lounasmaa, O.V. *see* Ahonen, A.I. 9—56000, 9—58704

Lounasmaa, O.V. *see* Ehnholm, G.J. 9—78538

Loupias, G., Mebkhout, M. Extension of KMS states and angular momentum 9—75439

Lourens, F.L. *see* Vrijhoef, M.M.A. 9—83266

Lourens, J.A.J. *see* Reynhardt, E.C. 9—95652

Lourtioz, J.M., Adde, R., Pontnau, J. Analysis of optically pumped CW FIR laser efficiency 9—76667

Loutfy, R.O., Sharp, J.H. Photovoltaic properties of metal-free phthalocyanines. I. Al/H_2Pc Schottky barrier solar cells 9—100527

Lovas, F.J. *see* Clark, F.O. 9—53862

Lovas, R.G. Deformation of the neutron excess and (p,n) scattering 9—93480

Lovaste, M.G. *see* Borgioli, M. 9—79520

Lovato, M. *see* Andrew, R. 9—56086

Lovchikov, V.A. *see* Evarestov, R.A. 9—77974

Lovchikova, G.N. *see* Pronyaev, V.G. 9—97657

Love, A., Zakrzewski, S. Topology of textures in the planar phase of superfluid ^{3}He 9—69310

Love, A. *see* Bailin, D. 9—59025, 9—93340

Love, J.D. Power series solutions of the scalar wave equation for cladded, power-law profiles of arbitrary exponent [waveguides] 9—94355

Love, M.D. An introduction to the large eddy simulation technique 9—64639

Love, P. Temperature dependence of the conductivity of low-dimensional materials 9—95391

Love, P., Labes, M.M. Electron paramagnetic resonance as a probe of $(SN)_x$ polymerization 9—73800

Love, S.T. *see* Basham, C.L. 9—63497, 9—85310, 9—89113

Love, W.F. Novel mode scrambler for use in optical-fiber bandwidth measurements 9—50438

Love, W.F. *see* VandeVoorde, P. 9—73555

Love, W.G. Heavy ion folding potentials 9—97728

Love, W.G. *see* Adams, G.S. 9—80915

Love, W.G. *see* Lindgren, R.A. 9—63626

Love, W.H. An image enhancement device for incident light microscopy 9—85178

Love, W.J. *see* Kobayashi, A.S. 9—61732

LoVecchio, P., Daly, P.J. Focal plane temperature stability requirements for thermal imaging systems using extrinsic Si:In detectors 9—94324

Lovegrove, J.M. *see* Salah El Din, A.S. 9—96250

Lovegrove, W. *see* Mapperson, B. 9—53140

Lovelace, D.E., Knoebel, S.B. An adaptive algorithm for noise rejection [ECG monitoring] 9—66571

Lovelace, D.E. *see* Knoebel, S.B. 9—66570

Lovelace, D.F. *see* Thompson, G.H.B. 9—98393

Lovelace, D.F. *see* Turley, S.E.H. 9—50294

Lovelace, R.V. Precession and kink motion of long astron layers 9—64895

Lovelace, R.V., Larrabee, D.A., Fleischmann, H.H. On the theory of astron equilibria 9—64894

Loveless, R.L. *see* Atiya, M.S. 9—80831

Loveless, R.L. *see* Finley, D.A. 9—49625, 9—49626

Lovell, L.P., Hall, D.S., Henry, G.W., Murray, W.H. UBV photometry of β Aquilae 9—62823

Lovell, R., Mitchell, G.R., Windle, A.H. An improved transformation procedure for radial distribution function analysis 9—73061

Loveluck, J.M., Balcar, E. Propagating energy modes in the classical Heisenberg chain: 'magnons' and 'second magnons' 9—65666

Loverre, P.F. *see* Barone, L.M. 9—80835

Lovesey, S.W. Coupled LO phonon-plasmon modes in a magnetized semiconductor 9—73459

Lovesey, S.W. Long wavelength density fluctuations in supercooled liquids 9—90515

Lovesey, S.W., Copley, J.R.D. Dynamic properties of simple liquids 9—50972

Lovett, D. Soap films, phase changes and catastrophes [teaching] 9—62974

Lovett, J.E., Bashshur, R.L. Telemedicine in the USA: an overview 9—74784

Lovett, R. *see* Chung Yuan Mou 9—69236

Lovhoiden, G. *see* Lien, J.R. 9—85353

Lovhoiden, G. *see* Rekstad, J. 9—58999

Lovhoiden, G. *see* Straume, O. 9—67626

Lovhoiden, G. *see* Thorsteinsen, T.F. 9—59077

Lovik, A., Hovem, J.M. An experimental investigation of swimbladder resonance in fishes 9—98531

Lovinger, A.J. Development of electrical conduction in silver-filled epoxy adhesives 9—73559

Lovisolo, D., Prelato, M., Veglia, F. The electrical response of the ocellus of Phalangium Opilio 9—53095

Lovitch, L. A direct proof of natural distribution properties of generalised residual interactions in the N-body problem 9—97262

Lovrecek, B. *see* Gotovac, V. 9—56110

Lovrecek, B. *see* Metikos-Hukovic, M. 9—56303

Lovrekovich, H. *see* Gill, C.W. 9—74777

Lovshenko, F.G., Lovshenko, Z.M., Vyotskii, V.T. Successive impregnation of sintered low-carbon iron-base alloys with carbon and chromium 9—95979

Lovshenko, F.G., Vysotskii, V.T., Voroshnin, L.G., Lovshenko, Z.M. Diffusional boronizing of sintered steels 9—96219

Lovshenko, Z.M. *see* Lovshenko, F.G. 9—95979, 9—96219

Low, F.E. Behavior of decaying states in applied fields 9—63963

Low, F.E. *see* Jaffe, R.L. 9—63525

Low, F.J. *see* Wilson, T.L. 9—75263

Low, H.B. *see* Chew, C.K. 9—89124

Low, K.S. *see* Bernas, M. 9—67661

Low, R.D.H. The internal cloud radiation field and a technique for determining cloud blackness 9—58089

Low, R.D.H. A theoretical investigation of cloud/fog extinction coefficients and their spectral correlations 9—96812

Low, W. *see* Genz, H. 9—98228

Lowde, R.D. *see* Sokoloff, J.B. 9—78350

Lowdermilk, W.H., Kachen, G.I. Spatial- and temporal-intensity distribution of stimulated Raman emission 9—86213

Lowdermilk, W.H. *see* Pawlewicz, W.T. 9—50333

Lowe, A.T., Hosford, C.D. Magnetron sputter coating of microspherical substrates 9—78883

Lowe, B.G. ^{137}Cs and ^{40}K in the flesh of fish of the Indian Ocean and the Straits of Malacca 9—79718

Lowe, D.C., Guenther, P.R., Keeling, C.D. The concentration of atmospheric carbon dioxide at Baring Head, New Zealand 9—100931

Lowe, I.J. *see* Karlicek, R.F., Jr. 9—49265, 9—82378

Lowe, J. *see* Khan, F.M. 9—67728

Lowe, P.G. Deformation and fracture of plain concrete 9—70167

Lowe, R.S., Kasper, J.V.V., Hills, G.W., Dillenschneider, W., Curl, R.F., Jr. Microwave optical double resonance spectrum of NH_2. V. Hyperfine structure of the u state 9—68246

Lowe, R.S. *see* Kasper, J.V.V. 9—68245

Lowe, W. *see* Glatte, R. 9—97406

Lowe Ma, C. *see* Khanna, S.K. 9—56206

Lowell, F.C., Jr. Acoustic flowmeters for open channels: designing to meet a specified accuracy 9—68876

Lowell, F.C., Jr. Acoustic flowmeters for pipeline flowrate 9—94749

Lowell, J., Rose-Innes, A.C. Crystals of magnetic flux 9—99664

Lowell, J. *see* Cottrell, G.A. 9—56305

Lowenschuss, H. Inorganic ion exchangers for the selective adsorption of uranium and plutonium from fission product solutions 9—85625

Lowenstein, D. *see* Allinger, J. 9—76203

Lowenstein, D.I. *see* Becker, U. 9—59059

Lowenthal, D.D., Hoffman, A.L. Quasi-quadrature interferometer for plasma density radial profile measurements 9—75581

Lowes, P. *see* Van Rooijen, J.J. 9—58252

Lowke, J.J. Calculated properties of vertical arcs stabilized by natural convection 9—55589

Lown, B. *see* Armington, R.M. 9—66573

Lowndes, D.H. Conduction electron-local moment interactions in metals via dHvA waveshape analysis 9—77981

Lowndes, D.H. *see* Arko, A.J. 9—56116, 9—65369, 9—73424

Lowndes, R.P. *see* Parker, T.J. 9—54135

Lowne, C.M. An investigation of the effects of mirror temperature upon telescope seeing 9—70961

Lowrey, A.H., George, C., d'Antonio, P., Karle, J. An electron diffraction investigation of the structure of hexafluoropropene combined with infrared and microwave spectroscopy 9—59572

Lowrey, B. *see* Argentiero, P. 9—53298

Lowry, L.M. *see* Bauer, A.A. 9—89382

Lowry, R.K., Strube, L.R. Determination of carbon by DC arc optical emission spectroscopy 9—83527

Lowry, R.T., Wadhams, P. On the statistical distribution of pressure ridges in sea ice 9—79847

Lowsky, J. *see* Chestnut, R. 9—89533

Lowsky, J. *see* Otter, G. 9—85338

Lowther, J.E. *see* Lemmer, R.H. 9—61022

Loy, B.R., Chrisman, R.W., Nyquist, R.A., Putzig, C.L. A Raman method for determining percent conversion of polyacrylamide to poly-n-dimethylaminomethylacrylamide 9—74460

Loy, M.M.T. *see* Avouris, P. 9—68276, 9—74403

Loyalka, S.K., Chandola, V.K., Thomas, L.B. Clusius-Dickel effect in a nuclear fuel rod 9—67820

Loyalka, S.K., Cheng, T.C. Sound-wave propagation in a rarefied gas 9—64369

Loyalka, S.K., Petrellis, N., Storvick, T.S. Some exact numerical results for the BGK model: Couette, Poiseuille and thermal creep flow between parallel plates 9—77057

Loyalka, S.K., Storvick, T.S. Kinetic theory of thermal transpiration and mechanocaloric effect. III. Flow of a polyatomic gas between parallel plates 9—86466

Loyalka, S.K. *see* Chang, Y.Y. 9—59119

Loyalka, S.K. *see* Pertmer, G.A. 9—93789

Loyd, D.H., Dawson, H.R. Electron capture into the n=3 states of hydrogen by proton impact on CO, CO_2, and N_2O 9—50129

Loyd, D.L., Robinson, J.C., Selby, D.L. Evaluation of a variational method for estimation of neutron detection efficiency 9—80992

Loyzance, P.L. *see* Rey-Lafon, M. 9—77669

Lozach, R., Braillon, B. The theory of nuclear spin-spin couplings: a new formalism for the calculation of second order perturbation energies 9—50046

Lozar, B. *see* Kind, R. 9—99313

Lozes, R.L., Goscinski, O., Wahlgren, U.I. Core hole localization in N_2^+ 9—54765

Lozhkin, B.T., Churkin, A.V., Vannikov, A.V., Shashlov, B.A. Screening effect in photosensitive photochromic layers on a base of spiroindoline 9—67416

Lozhkin, O.V. *see* Bogatin, V.I. 9—97694

Lozhkin, V.N., Oleinik, L.N. Elastic equilibrium of a piezoelectric cylindrical body with random anisotropy 9—61308

Lozhkomoev, G.E. *see* Sorokina, A.V. 9—97744

Lozier, W.W., Null, M.R. The low current carbon arc and the properties of graphite near the sublimation temperature 9—50901

Lozinskaya, T.A. The supernova remnants IC 443 and VRO 42.05.01: fast filaments and high-velocity gas 9—75258

Lozinskaya, T.A., Sitnik, T.G. Interferometric observations of the supernova remnant OA 184 9—88728

Lozinskaya, T.A. *see* Arkhipova, V.P. 9—97003

Lozinskii, Z.N. Allowance for the influence of velocity inhomogeneities in the upper part of a section on time of reflected-wave recordings in CDP data processing 9—84526

Loznevoi, G.I., Pal'tsev, G.P. Surface microstructure of photographic emulsion layers 9—58819

Lozovetskii, V.V. Entrained downward flow of a gas and a liquid in a vertical channel 9—94704

Lozovetskii, V.V. *see* Burdanov, N.G. 9—94712

Lozovik, Y.E. *see* Lerner, I.V. 9—87028

Lozovik, Yu.E., Nishanov, V.N. Proximity effects at low temperatures 9—73643

Lozovik, Yu.E., Nishanov, V.N. Plasma oscillations in inhomogeneous electron and electron-hole systems 9—99496

Lozovik, Yu.E. *see* Klyuchnik, A.V. 9—51501

Lozovik, Yu.E. *see* Lerner, I.V. 9—56341, 9—65532

Lozovoi, V.I., Ogloblya, V.I. Method of measuring the isotope effect of diffusion in liquid metals with the aid of radioisotopes 9—95191

Lozovskii, L.A. Installation for the rapid determination of continuity of liquid moving through a pipe 9—94748

Lozovskii, L.A., Solov'ev, V.V., Khimchenko, A.S. Power supply for 1024-channel spectrometer with semiconductor detector 9—68169

Lozovskii, P.M. *see* Lakoba, I.S. 9—82119

Lu, A. *see* Albrow, M.G. 9—75805

Lu, A.H., Matuszek, J.M. Solute and gas transport from radioactive waste 9—85628

Lu, B.C.-Y. *see* Boubilk, T. 9—77749

Lu, B.C.-Y. *see* Hsiao, Y.-J. 9—86557

Lu, B.C.-Y. *see* Ochi, K. 9—77733

Lu, H.Y. An analytical model for entropy noise of subsonic nozzle flow 9—60046

Lu, K.C. *see* Prohofsky, E.W. 9—62180

Lu, K.T. *see* Crosswhite, H. 9—63958

Lu, M. *see* Barber, D.P. 9—89175, 9—97631

Lu, M.S., Shier, W.G., Levine, M.M. Effect of direct coolant heating and moderator temperature reactivity feedback during rapid BWR transients 9—89442

Lu, P.K., Sawyer, D. Spectral energy distributions of barium stars 9—92757

Lu, P.Y., Ho, P.P., Alfano, R.R. Nd:phosphate glass mode-locked oscillator and amplifier system 9—81446

Lu, S.S. Dynamic characteristics of a simple constant-temperature hot-wire anemometer 9—72974

Lu, Y.P., Killian, J.W., Everstine, G.C. Vibrations of three layered damped sandwich plate composites 9—81794

Lu, Y.S. *see* Bailey, H.S. 9—59125

Lu Cheng *see* Cheng Lu

Lu Cheng-zai A coaxial flashlamp pumped dye laser 9—55144

Lu Dao-jiang *see* Feng Guan-ping 9—71409

Lu Han-Lin, Wang Da-Hai, Xia Yi-Jun, Cui Yun-Feng, Chen Pao-Lin Excitation curves for some reactions of Al, Ti, V and I 9—49601

Lu He-xiang *see* Wu Rui-feng 9—94506

Lu Ji-Zong *see* Zhu Wei 9—49479, 9—80812

Lu Kou, Yan Shou-sheng New superfluid phases of liquid ^{3}He 9—99385

Lu Long-hua, Dai Jia-xi The global radiation and net radiation of the Tanggula region 9—92568

Lu Ming-Shih *see* Ming-Shih Lu

Lu Quan-Kang On the Nyquist criterions of cyclotron instabilities caused by plasma streams 9—73001

Lu Quan-kang On a generalized Ohm's law in partially ionized plasma. II 9—90375

Lu Tan *see* Lo Liao-fu 9—58904

Lu Xue-Shan, Liang Jing-Kui, Yang Zhong-Ruo The crystal structure of MnGa and the degree of order 9—51048

Lu Yuehua *see* Chao Jiping 9—84446

Lu Zao-Xun *see* Chen Yun-Tai 9—57842

Lu Zhao-qi *see* Chen Yong-shou 9—93518

Lua, A.C. *see* Woo, D.M. 9—61688

Luban, M. *see* Baram, A. 9—94859

Luban, M. *see* Hornreich, R.M. 9—73758

Lubatti, H.J. *see* Dicus, D.A. 9—49501

Lubbert, A. *see* Rotzoll, G. 9—98194

Lubecki, A., Rieber, K. XRF method for the rapid determination of uranium in geological samples 9—88479

Lubell, M.S. *see* Alguard, M.J. 9—76242

Lubell, M.S. *see* Cooper, P.S. 9—58540

Lubelsmeyer, K. *see* Brandelik, R. 9—63491, 9—93441

Lubelsmeyer, K. *see* Prescott, C.Y. 9—75776

Lubenets, S.V., Fomenko, L.S. Dynamics of twin layer broadening in indium 9—65098

Lubenets, V.P. *see* Yakutovich, M.V. 9—79034

Lubensky, T.C. Phase transitions in strongly random systems. A review 9—58647

Lubensky, T.C. *see* Hossain, K.A. 9—60489

Lubimova, E.A. *see* Kutas, R.I. 9—70766

Lubin, B.T. *see* Cepkauskas, M.M. 9—81787

Lubis, W. *see* Sastroamidjojo, M.S.A. 9—68426

Lubitz, K., Goltz, G. The preparation of large spherical iron single crystals 9—74086

Lubke, K. *see* Deutsch, G. 9—59731

Lubnin, E.N. *see* Tomashpol'skii, Yu.Ya. 9—66391

Luborsky, F.E., Becker, J.J., Walter, J.L., Liebermann, H.H. Formation and magnetic properties of Fe-B-Si amorphous alloys 9—82820

Luborsky, F.E., Walter, J.L., Liebermann, H.H. Engineering magnetic properties of Fe-Ni-B amorphous alloys 9—51832

Luborsky, F.E. *see* Chien, C.L. 9—95693

Luborsky, F.E. *see* Musser, D. 9—73858

Luborsky, F.E. *see* New, D.A. 9—73484

Luborsky, F.E. *see* Rhyne, J.J. 9—73701

Lubow, S.H. Equilibrium states of nonsynchronous stars in detached binaries 9—53853

Lubyanyi, V.V. *see* Derebchinskii, A.I. 9—76318

Luc, P. *see* Gerstenkorn, S. 9—75622, 9—94007

Luc-Koenig, E., Liberman, S., Pinard, J. Experimental and theoretical study of Stark patterns in Rb Rydberg levels 9—93953

Luca, C.J.De *see* De Luca, C.J.

Lucarelli, E. *see* Elberink, J.O. 9—80640

Lucari, F., Mastrogiuseppe, C., Tomassetti, G. Orientation dependence of magnetic circular dichroism in tin-doped yttrium iron garnet 9—99914

Lucas, A. *see* How, T.V. 9—53200

Lucas, A. *see* Therminarias, A. 9—100575

Lucas, A.A. *see* Debras, G. 9—51165

Lucas, B.W., Ahtee, M., Hewat, A.W. The crystal structure of phase II ammonium nitrate 9—60314

Lucas, B.W. *see* Ahtee, M. 9—73136

Lucas, C.B. Critical positions in elastic electron scattering by argon 9—54968
Lucas, D.H. The contributions of emission control and dispersion to achieving ambient standards 9—83660
Lucas, J., Kucukarpaci, H.N. A pulse technique for the measurement of the ratio of diffusion to mobility for electron swarms in gases at high E/N 9—55448
Lucas, J. *see* Fonteneau, G. 9—99918
Lucas, J. *see* Lamboy, M. 9—79837
Lucas, J. *see* Pannetier, J. 9—77781
Lucas, J. *see* Saelee, H.T. 9—82032
Lucas, J. *see* Tofield, B.C. 9—60322
Lucas, J.J. *see* Viano, J.B. 9—93652
Lucas, K. Influence of film condensation on the laminar flow in the entrance of a tube 9—77260
Lucas, K., Moser, B. A memory function model for the velocity autocorrelation function and the self-diffusion coefficient in simple dense fluids 9—77472
Lucas, M.S.P., Johnson, G.L. A microprocessor based, low power, data acquisition system 9—60087
Lucas, M.W. *see* Jarvis, O.N. 9—86826
Lucas, M.W. *see* Khan, M.N. 9—86827
Lucas, M.W. *see* Steckelmacher, W. 9—93261
Lucas, P. *see* Lee, G. 9—56009
Lucas, P.J. *see* How, T.V. 9—53200
Lucas, R., Poitou, J., Girard, J. Evaporation residue excitation functions from fusion of ^{63}Cu with ^{65}Cu 9—63710
Lucas, R., Poitou, J., Kratz, J.V., Wirth, G. Study of the heavy products from $^{84}Kr+^{238}U$ collisions at 522 MeV 9—49638
Lucas, R.N. *see* Quick, R.F., Jr. 9—96562
Lucas, X. *see* David, D. 9—86929
Lucassen, J. The shape of an oil droplet suspended in an aqueous solution with density gradient. A new method for measuring low interfacial tensions 9—77863
Lucasson, A. *see* Biget, M. 9—60356
Lucasson, P. *see* Biget, M. 9—60356
Lucasson, P. *see* Prakash, S. 9—51143, 9—69293
Lucat, C., Rhandour, A., Reau, J.M., Portier, J., Hagenmuller, P. Fast ionic conduction of fluorides with the fluorite-type structure 9—99360
Lucat, C. *see* Danto, Y. 9—52928
Lucatorto, T.B., McIlrath, T.J., Roberts, J.R. Capillary array: a new type of window for the vacuum ultraviolet 9—89990
Lucatorto, T.B., Mehlman, G., McIlrath, T.J. Time-resolved measurements of the far UV output of a BRV source 9—98454
Lucatorto, T.B. *see* Ederer, D.L. 9—72262
Lucatorto, T.B. *see* Sugar, J. 9—59390
Lucchese, R.R., McKoy, V. Application of the Schwinger variational principle to electron scattering 9—81277
Lucchin, F. *see* Bonometto, S.A. 9—67124
Lucchini, P. *see* Nebbia, L. 9—64439
Luccio, A. *see* Bassetti, M. 9—68081
Lucek, J.W. *see* Weaver, G.Q. 9—70134
Lucero, E. *see* Hu, C. 9—99623
Lucey, E.C., Celli, B.R., Snider, G.L. Maximum expiratory flow and transpulmonary pressure in the hamster 9—88101
Luches, A., Nassisi, V., Perrone, A. Structures of an electron beam drifting in vacuum and in low-pressure gases 9—76569
Luchinin, V.V. *see* Grekhov, V.M. 9—52009
Luchitskii, R.M. *see* Starik, P.M. 9—73154
Luchko, M.V. *see* Zelentsova, N.I. 9—71397
Luchkov, B.I. *see* Gal'per, A.M. 9—80133, 9—88748
Luchkov, B.I. *see* Voronov, S.A. 9—76267
Lucht, R.A., Beardall, J.S., Kennedy, R.C., Sullivan, G.W., Rink, J.P. Multiple-photon absorption of 16-μm radiation in UF_6 at 300K 9—76475
Lucht, R.P., Laurendeau, N.M. Two-level model for near saturated fluorescence in diatomic molecules 9—50000
Lucia, T. Liquid scintillators 9—81135
Luciano Viana, F., Adhikari, S.K. Separable expansions to local potentials in a quasipotential approach 9—63641
Lucius, J.L. *see* Seki, Y. 9—67951
Luck, L.B. Transient state initialization of quasi-static neutronics treatments 9—59192
Luck, L.B. *see* Burns, R.D., III 9—49786
Luck, P. *see* Gordon, R.D. 9—98233
Luck, W.A.P., Schoiberg, D. Spectroscopic investigations of the structure of liquid water and aqueous solutions 9—65847
Luckcock, R.G. *see* Brown, R.A. 9—49007
Lucke, K. *see* Gottstein, G. 9—91686
Lucke, K. *see* Hirsch, J. 9—91702
Lucke, K. *see* Musick, R. 9—91679
Lucke, K. *see* Virnich, K.H. 9—86735, 9—91676, 9—91683
Lucke, K. *see* Gottstein, G. *(editor)* 9—83217
Lucke, M. Results of a variational principle for path integral functionals describing stationary turbulence 9—77083
Lucke, M. *see* Bosse, J. 9—55630
Lucke, M. *see* Gotze, W. 9—56010, 9—60592
Lucke, R.L. *see* Woodgate, B.E. 9—53875
Lucke, T. *see* Cabot, R.C. 9—68517
Lucken, E.A.C. *see* Berclaz, T. 9—56611
Lucken, E.A.C. *see* Ginet, G.L. 9—74409
Luckers, J. *see* Ramelot, D. 9—68885
Luckey, D. *see* Barber, D. 9—54289, 9—54346
Luckey, D. *see* Barber, D.P. 9—89175, 9—97631
Luckey, D. *see* Martin, J.F. 9—89167
Luckhurst, G.R. *see* Emsley, J.W. 9—50987
Luckring, J.M. *see* Lamar, J.E. 9—77140
Lucon, M. *see* Paoli, D. 9—72442
Lucovsky, G. Chemical effects on the frequencies of Si-H vibrations in amorphous solids 9—51227
Lucovsky, G. Defect-controlled carrier transport in amorphous SiO_2 9—91049
Lucovsky, G. Spectroscopic evidence for valence-alternation-pair defect states in vitreous SiO_2 9—91442
Lucovsky, G., Nemanich, R.J., Knights, J.C. Structural interpretation of the vibrational spectra of a-Si:H alloys 9—69864
Lucovsky, G. *see* Galeener, F.L. 9—73933
Lucovsky, G. *see* Knights, J.C. 9—65944
Lucovsky, G. *see* Liang, W.Y. 9—61379
Lucovsky, G. *see* Street, R.A. 9—87063
Lucy, L.B., Wilson, R.E. Observational tests of theories of contact binaries 9—97026
Luczko, J. Optimal choice of non-inertial system of vibroisolation with harmonic forcing 9—64564
Ludden, J.N., Thompson, G. An evaluation of the behavior of the rare earth elements during the weathering of sea-floor basalt 9—57910
Ludena, E.V., Gregori, M. Configuration interaction calculations for two-electron atoms in a spherical box 9—97984
Luders, K. *see* Denner, H.-D. 9—60578
Luders, K. *see* Ezaki, T. 9—71487
Luders, K. *see* Irie, F. 9—60965
Luders, K. *see* Khan, H.R. 9—56388, 9—73645, 9—91208
Luders, K. *see* Kiselev, A.A. 9—77534
Luders, K. *see* Philipp, A. 9—61002
Ludewig, F., Augustin, H. Vacuum impregnation by immersion; a secondary treatment method to improve anticorrosion properties of hard-plated pit props 9—79144
Ludewig, H. *see* Bari, R.A. 9—49760, 9—81022
Ludewigt, B. *see* Lohner, H. 9—93642
Ludgate, G.A. *see* Bugg, D.V. 9—67594
Ludke, C. *see* Hoffmann, E. 9—85186
Ludlow, I.K., Kaye, P.H. A scanning diffractometer for the rapid analysis of microparticles and biological cells 9—66589
Ludlow, I.K. *see* Kaye, P.H. 9—68437
Ludtke, P.R. *see* Daney, D.E. 9—82404
Ludvigsen, C. *see* Nielsen, H.B. 9—92239
Ludvigsen, M. The motion of a charged particle in general relativity 9—93003
Ludvigsen, M. *see* Hallidy, W. 9—49137
Ludwig, F.L. *see* Singh, H.B. 9—62554
Ludwig, H. *see* Giboni, K.L. 9—89204
Ludwig, H.W. New electromedical techniques for diagnosis and therapy 9—100687
Ludwig, P.W.P.H. *see* Knaap, M.H. 9—97792
Lue, J.W. *see* Fietz, W.A. 9—59263
Lue Juh Tzeng *see* Juh Tzeng Lue
Lue-Yung Chow Chiu, Bhattacharyya, D.K. Lifetimes of fine structure levels of metastable H_2 in the $c^3\Pi_u$ state 9—64050
Luebke, P. *see* Werner, K.-D. 9—97754
Luedeke, K.M., Koehler, J., Kanzenbach, J. A new radiation balance microwave thermograph for simultaneous and independent temperature and emissivity measurements 9—100692
Lueken, H., Bruggemann, W., Bronger, W., Fleischhauer, J. Magnetic properties of $NaCeS_2$ between 3.7 and 297K 9—87227
Luengo, C.A. *see* Huber, J.G. 9—61047
Luengo, C.A. *see* Sereni, J.G. 9—51795
Luers, J.K. *see* Geraci, M.J. 9—70860
Luette, J.P., Park, C.G., Helliwell, R.A. The control of the magnetosphere by power line radiation 9—101028
Luettig, G. *see* Becker-Platen, J.D. 9—84080
Luey, K. *see* Bozler, H.M. 9—51370
Luft, A. *see* Meric, P. 9—83912
Luft, G. *see* Fischer, J. 9—74398
Lugakov, P.F., Lukashevich, T.A., Shusha, V.V. Negative stage of annealing of radiation defects in n-type silicon 9—90701
Lugakov, P.F. *see* Kasilov, V.I. 9—51156
Luganin, V.A., Vorob'yeva, L.P. Errors in the determination of the attenuation of signals with small angles of arrival 9—58155
Lugara, M. *see* Cingolani, A. 9—51933, 9—73993
Lugiato, L.A. Spectrum and transmitted and fluorescent light in absorptive optical bistability 9—49981
Lugiato, L.A. *see* Bonifacio, R. 9—86204
Lugin, L.I., Khokhlova, A.N., Zovorotnii, A.S. A high alumina ceramic material 9—61544
Lugina, A.S., Belyi, V.N., Insarova, N.I., Uvarova, N.N., Khatkevich, A.G. Efficient intracavity second harmonic generation 9—50352
Lugina, A.S., Belyi, V.N., Insarova, N.I., Uvarova, N.N., Khatkevich, A.G. Effective mixing of variously polarized radiation 9—55181
Lugol, J.C. *see* Bauer, T.S. 9—54394
Lugovoi, V.I. *see* Gorban, I.S. 9—78681
Lugovoi, V.N. Effect of zero points in the modulation of light in a Fabry-Perot interferometer 9—58781
Lugovoi, V.N. Mutual mode quenching on generation of the second optical harmonic 9—86218
Lugovoi, V.N. Bistability and hysteresis phenomena in an optical parametric oscillator 9—89963
Lugovoi, V.N., Dyshko, A.L. On the cone-type light beam structure in a non-linear medium 9—98437
Lugovskoi, V.B. *see* Zinov'ev, A.V. 9—55529
Lugovsky, S.B. *see* de Wolf, E.A. 9—49543
Lugrin, C. *see* Gruber, C. 9—85087
Lugt, W.van der *see* van der Lugt, W.
Lugt, W.Van Der *see* Van Der Lugt, W.
Luh, W.T., Lie, G.C. Theoretical infrared transition matrix elements for the water molecule 9—85953
Luha, A.A. Digital enlarging exposure meter 9—85190
Luheshi, M., Stewart, P. Parametric instabilities of commensurable and incommensurable nonlinear plasma waves 9—66915
Luhman, T. Effects of Be alloy additions to the bronze matrix of Nb_3Sn monofilament wires 9—87222
Luhmann, J.G. *see* Chiu, Y.T. 9—66860
Luhrmann, R., Eckhardt, H., Stoffler, G. Codon-anticodon interaction at the ribosomal peptidyl-site 9—83697
Luhrs, O., Germer, R. Microphones for studying shock waves in liquids 9—82001
Luhrsen, W. *see* Berger, C. 9—49519
Lui-Heung Chan *see* Yuan-Hui Li 9—79877
Luic, M. *see* Topic, M. 9—87399
Luiken, M. *see* Fitzgerald, M.P. 9—88644, 9—88712
Luiken, M. *see* Grayzeck, E.J. 9—58387
Luiten, C.H., Limque, F. Developments in vacuum furnaces for heat treatments 9—100174
Luizov, A.V. The eye and optical instruments 9—96689
Lukac, P. The critical resolved shear stress of Mg-Cd single crystals 9—91659
Lukac, P., Trojanova, Z. Solid solution hardening of cadmium single crystals 9—87647
Lukac, P., Trojanova, Z. Critical resolved shear stress of cadmium-magnesium single crystals 9—91741
Lukacevic, I. *see* Boreli, F. 9—50919
Lukach, Yu.Ye. *see* Dobronogova, S.I. 9—68597
Lukacs, Gy., Horvath, Cs. Dependence of colour difference on the change of tristimulus values 9—88994
Lukas, H.L. *see* Gauckler, L. 9—66044
Lukas, H.L. *see* Gauckler, L.J. 9—66266
Lukas, P., Klesnil, M. Fatigue limit of notched bodies 9—70166
Lukas, W. Line interference in the mass spectra of vapours containing molecules with different degrees of polymerization. Calculation of line overlap coefficient from the mass spectra of vapours over binary systems 9—96392
Lukasevich, B.I. *see* Budov, V.M. 9—97785
Lukashenko, I.L. *see* Palatnik, L.S. 9—51824
Lukashenko, S.N. *see* Korchevoi, Yu.P. 9—50088
Lukashenko, V.I. *see* Antonov, E.E. 9—55455
Lukashenko, V.I. *see* Korchevoi, Yu.P. 9—50088
Lukasheva, N.V. *see* Stepan'yan, A.E. 9—65009
Lukashevich, I.I., Sobolev, S.S. On possible adiabatic demagnetization of stabilized H atoms in solid H_2 and N in solid N_2 9—82412
Lukashevich, T.A. *see* Lugakov, P.F. 9—90701
Lukashin, A.V. On the determination of short lifetimes of vibronic states from resonance Raman excitation profiles 9—98103
Lukashin, A.V. *see* Vologodskii, A.V. 9—83702
Lukasiak, J. *see* de Voigt, M.J.A. 9—93549
Lukasiewicz, M., Demasco, P., Schwartzman, H., Anderson, M., Sharcoff, J., Gisser, D.G. Eye tracking communication systems (tests of nonverbal cerebral palsy children on RPI's Eye Motion Analysis and Tracking System) 9—83981
Lukasiewicz, T. *see* Wardzynski, W. 9—91471
Lukasiewicz, T. *see* Wojdowski, W. 9—99879
Lukasik, J. *see* Green, W.R. 9—64075, 9—98207
Lukaszewicz, K. *see* Waskowska, A. 9—86776
Lukaszuk, L., Szymanowski, L. New sum rules for the νe and νN scattering amplitudes 9—54332
Luke, D. *see* Abrams, G.S. 9—89149, 9—89174
Luke, D. *see* Brandelik, R. 9—63491, 9—93441
Luke, D. *see* Piccolo, M. 9—93439
Luke, D. *see* Rapidis, P.A. 9—75780
Luke, K.L. *see* Chan, C.-M. 9—77880
Luke, T.E. *see* Kim, Q. 9—73193
Luken, W.L. Virtual orbitals for obtaining rapid convergence in configuration interaction calculations 9—85906
Luken, W.L. *see* Seiders, B.A.B. 9—49944, 9—72253
Lukens, H.R., Lurie, N.A. Intrinsic spiking with beta emitters during fuel reprocessing 9—85732
Lukes, F., Schmidt, E., Humlicek, J., Kekoua, M.K., Khoutsichvili, E. Determination of the composition of GeSi alloy by ellipsometry 9—83537

Lukes, F. *see* Navratil, K. 9−60644
Lukes, F. *see* Ohlidal, I. 9−75572
Lukhanin, A.A. *see* Bratashevskii, A.S. 9−85305
Lukhanin, A.A. *see* Get'man, V.A. 9−63487, 9−89170
Lukhovitskii, V.I. To the calculation of kinetics of the first stage of 'ideal' emulsion polymerization 9−66295
Lukhvich, A.A., Churilo, V.R. Shims x, y, xz, yz in the form of flat conductors of nuclear-magnetic-resonance radiospectrometers of high resolution 9−80652
Luk'ianov, E.K., Khazan, A.D. Classification of sensors for diagnostic instruments 9−53267
Lukicheva, N.I., Omel'yanovskii, E.M., Sinitsin, E.V. Magnetoresistance transducer based on high-resistance indium antimonide 9−67287
Lukierski, J. Graded orthosymplectic geometry and OSp (4;1)-invariant fermionic σ models 9−54277
Lukin, A.L. *see* Gorbunov, V.I. 9−91896
Lukin, E.S. *see* Glazachev, V.S. 9−87601
Lukin, E.S. *see* Morozova, L.P. 9−61545
Lukin, I.P. Estimate of accuracy of laser-Doppler velocimeter 9−55433
Lukin, I.P. Fluctuations of frequency-separated waves during reflection in a randomly inhomogeneous medium 9−90049
Lukin, I.P. *see* Lukin, V.P. 9−98277
Lukin, S.N. *see* Abdulsabirov, R.Yu. 9−61243
Lukin, S.N. *see* Vasyukov, V.N. 9−65720
Lukin, V.P., Lukin, I.P. Propagation of modulated waves in a turbulent atmosphere 9−98277
Lukin, Yu.T. *see* Amanov, K.A. 9−80148
Lukin, Yu.T. *see* Baiburina, S.G. 9−80156, 9−80170
Lukin, Yu.T. *see* Baigubekov, A.S. 9−80171
Lukina, M.M. *see* Belov, K.P. 9−73554
Lukinskene, M.V. *see* Styro, D.B. 9−92100
Lukkari, J. Computer simulations of self-focusing particle streams 9−53704
Lukomskii, V.P. Self-induced transparency in nuclear acoustic resonance in magnetically ordered media 9−69733
Lukomskii, V.P. Self-induced transparency at acoustic nuclear resonance in antiferromagnets 9−91304
Lukoschus, D.G. Optimization theory for induction-coil magnetometers at higher frequencies 9−85156
Lukoshevichyus, R.S., Rikards, R.B., Teters, G.A. Minimizing the weight of cylindrical shells containing an elastic filler and subject to axial compression and external pressure with allowance for random strength characteristics of the composite material 9−86352
Lukoshkov, S.V., Strel'nikov, V.N. Module for the control of the F-30 digital avometer in the CAMAC standard 9−88942
Lukoshyavichyus, L.S. *see* Kabailene, M.V. 9−88332
Lukoshyus, I.P. *see* Bal'kyavichyus, P.I. 9−56890, 9−59762
Lukoshyus, P.P. *see* Yakimavichyus, I.A. 9−65032
Lukovina, O.V. *see* Bastum, V.N. 9−52538
Lukovits, I., Karpfen, A., Lischka, H., Schuster, P. Ab initio LCMO studies on the hydration of formate ion 9−59342
Lukovits, I. *see* Biczo, G. 9−96511
Lukovits, I. *see* Kiss, A.I. 9−85901
Lukovits, I. *see* Koch, A.S. 9−62207
Lukovnikov, A.I. *see* Vargin, A.N. 9−86046
Luks, K.D. *see* Green, K.A. 9−65169
Luksha, O.V., Firtsak, Yu.Yu., Dovgoshei, N.I., Turyanitsa, I.D., Gerasimenko, V.S. Formation of an amorphous phase in vacuum condensates of the system Sb_2S_3-SbI_3 9−86712
Lukshin, S.A. *see* Fedotov, A.P. 9−67994
Lukshin, V.V., Sklyarenko, I.Ya. Synchronised measurements of the methane content of the atmospheric surface layer and air column 9−88407
Lukshin, V.V., Sklyarenko, I.Ya. Estimation of the global anthropogenic emission of methane into the atmosphere 9−100547
Lukshin, Yu.V. *see* Grudinin, M.M. 9−53063
Lukstins, J. *see* Aksinenko, V. 9−97713
Luk'yanchikov, L.A. *see* Zubkov, P.I. 9−86635
Luk'yanchikova, V.P. *see* Vasyuta, B.M. 9−75624
Luk'yanenko, V.L. *see* Veselovskii, A.V. 9−64391
Luk'yanets, E.A. *see* Batashev, S.P. 9−72610
Luk'yanov, L.G. On the symmetry of solutions in the many-body problem 9−96895
Lukyanov, V.K., Titov, A.I. Multiparticle cores in nuclei 9−75864
Luk'yanov, V.K., Titov, A.I. Nuclear reactions with large momentum transfer and hypothesis of fluctuations in nuclei 9−80868
Lukyanov, V.K. *see* Inopin, E.V. 9−63571
Luk'yanov, V.V. *see* Levin, O.A. 9−100263
Luk'yanova, L.N. *see* Kutasov, V.A. 9−69536
Lulek, T. *see* Chatterjee, R. 9−91008
Lulic, S. *see* Vertacnik, A. 9−57506
Lum, W.Y., Clawson, A.R. Thermal degradation of InP and its control in LPE growth 9−100343
Lumig, A.Van *see* Van Lumig, A.
Luminari, L. *see* Amaldi, E. 9−71771
Luminet, J.-P. Image of a spherical black hole with thin accretion disk 9−67049
Lumsden, C.J., Trainor, L.E.H. Ensemble methods in biological statistical mechanics 9−66437
Lumsden, C.J., Trainor, L.E.H. On the statistical mechanics of constrained biophysical systems 9−96502
Lumsden, C.J., Trainor, L.E.H., Silverman, M. Physical theory in biology: an interdisciplinary course 9−58462
Lun, E. *see* Young, L. 9−94190
Lun-Chang Tan *see* Tan Lun-Chang
Lunar, J. *see* Eljuri, E. 9−74459
Lunardi, S. *see* Kleinheinz, P. 9−49571
Lunardi, S. *see* Piiparinen, M. 9−49573
Lunarska, E., Zielinski, A. Describing the Snoek-Koster peak of internal friction in Fe-H system by means of Schoeck model 9−96076
Lunch, D.W. *see* Olson, C.G. 9−91533
Lund, G.F. *see* Fryer, T.B. 9−74796
Lund, I.A., Grantham, D.D. Estimating the joint probability of a weather event at two locations 9−53480
Lund, K. *see* Brogli, R. 9−85792
Lund, M.W., Cogan, J.N., Davis, J.A. Low-cost method for stabilization of a CO_2 laser for use in far infrared laser pumping 9−72551
Lund, M.W., Davis, J.A. New CW far-infrared laser lines from CO_2 laser-pumped CH_3OH 9−76672
Lund, P.-A., Whittenburg, S.L., Wang, C.H., Christensen, D.H. Studies of reorientational relaxation of pyridine in the liquid state and in CCl_4 solutions by depolarized Rayleigh scattering 9−51973
Lund, T. *see* Jakobsen, H.J. 9−81219, 9−94018
Lund, W.W., Jr. *see* Denman, O.S. 9−52893
Lund, W.W., Jr. *see* Nalos, E.J. 9−70433
Lundberg, B. Dynamic response of elastic bodies: a simple illustration 9−68635
Lundberg, H. *see* Grundevik, P. 9−89632
Lundberg, H. *see* Gustavsson, M. 9−89636
Lundblad, J.A., Soraas, F., Aarsnes, K. Substorm morphology of >100 keV protons 9−80080
Lundborg, B. Phase-integral treatment of wave reflexion by real potentials 9−49084
Lundborg, P. *see* Armenise, N. 9−93397, 9−93398
Lundborg, P. *see* Bakken, V. 9−63549
Lundborg, P. *see* Fry, J.R. 9−54366
Lundborg, T. *see* Rosenhamer, H.J. 9−92237
Lunde, G. *see* Bjorseth, A. 9−83653
Lunde, P.J. Prediction of the performance of solar heating systems utilizing annual storage 9−70436
Lundeen, S.R. *see* Clark, B.O. 9−54826
Lundeen, S.R. *see* Cok, D.R. 9−76333
Lundgren, J.-O. X-ray structure of ammonium perchlorate. II. Conventional refinement versus refinement with multipole deformation density functions 9−60313
Lundgren, J.-O., Liminga, R. X-ray structure of ammonium perchlorate. I. X-ray data collection and estimation of variances of the intensities 9−60312
Lundgren, L. *see* Nordblad, P. 9−91217
Lundgren, S. *see* Danielsson, L. 9−50829
Lundin, A.G. *see* Sergeev, N.A. 9−60239, 9−73836
Lundin, A.G. *see* Sukhovskii, A.A. 9−60275
Lundin, B.V. *see* Karpman, V.I. 9−98886
Lundin, R. *see* Lyons, L.R. 9−53606
Lundquist, S. *see* Burstein, E. 9−51960
Lundquist, S. *see* Chen, C.Y. 9−95768
Lundqvist, B.I. *see* Hjelmberg, H. 9−95260
Lundqvist, B.I. *see* Norskov, J.K. 9−87548
Lundqvist, H., Malmborg, P. Production of carrier-free ^{28}Mg and ^{24}Na by 50-180 MeV protons on Si, P, S, Cl, Ar and K: excitation functions and chemical separation 9−83934
Lundqvist, H., Malmborg, P., Langstrom, B., Suparb Na Chiengmai Simple production of $^{77}Br^-$ and $^{123}I^-$ and their use in the labelling of [^{77}Br]BrUdR and [^{123}I]IUdR 9−79649
Lundsgaard, J.S., Gronlund, J. Non-linearity of the signal from a membrane covered probe for pO_2 measurement in stirred blood 9−53264
Lundsgaard, J.S., Gronlund, J., Einer-Jensen, N. Evaluation of a constant-temperature hot-wire anemometer for respiratory-gas-flow measurements 9−83967
Lundstedt, H. The effect of the solar wind on the weather 9−79910
Lundstrom, T. *see* Carlsson, J.-O. 9−52311
Lundy, R. *see* Benvenuti, A. 9−58951
Lundy, R.A. *see* Finley, D.A. 9−49625, 9−49626
Lunec, J., Cramp, W.A. The response of E. coli B_{s-1} to tritium-β particles under aerated and anoxic conditions 9−57714
Lunell, S. Comparison of UHF and PHF methods for hyperfine structure calculations 9−63924
Lunev, V.V. *see* Maksimovich, G.G. 9−52346
Lung Hsi-Ping *see* Hsi-Ping Lung
Lunin, G.L. *see* Aborina, I.N. 9−93896
Lunk, A. *see* Resenov, S.P. 9−68963
Lunke, C., Corfu, R., Egger, J.-P., Gretillat, P., Piffaretti, J., Schwarz, E., Jansen, J., Perrin, C., Preedom, B.M. Pion inelastic scattering off ^{12}C, ^{18}O, ^{28}Si and ^{52}Cr around the $\pi N(3,3)$ resonance 9−85537
Lunke, C. *see* Corfu, R. 9−85538
Lunke, C. *see* Piffaretti, J. 9−85511
Lunke, C. *see* Preedom, B.M. 9−97677
Lunkin, B.V., Astaf'ev, A.A., Poletaev, B.K., Sharov, V.A. Resonance level meter for dielectric media 9−88909
Lunkin, V.Ya. *see* Zorchenko, V.V. 9−51693
Lunnan, E., Ostgaard, E. The binding energy of liquid ^3He and ^4He 9−65269
Lunnan, E., Ostgaard, E. The helium two-body potential 9−69305
Lunney, D. *see* Barrett, T. 9−84919
Lunney, J.G. *see* Hares, J.D. 9−55528
Lunnon, M. *see* Maruyama, X.K. 9−63661
Lunsford, D. *see* Craig, E. 9−97765
Lunsford, J.H. *see* Iwamoto, M. 9−100431
Lunsford, J.S., Lawrence, G.P., Bentley, R.F. Versatile H^+ beam chopper system at LAMPF 9−72158
Lunt, A.R.W. Some post operational adjustments to the prototype fast reactor at Dounreay 9−63736
Lunt, M.J., Ashley, B. A simple radiation balance for measuring ultrasonic power 9−83863
Lunt, M.J. *see* Callicot, C. 9−53201
Lunter, S.G. *see* Berezina, E.E. 9−65839
Luntz, A.C., Schinke, R., Lester, W.A., Jr., Gunthard, H.H. Product state distributions in the reaction $O(^1D_2)+H_1 \rightarrow OH+H$: comparison of experiment with theory 9−83446
Luo, H.L., Huber, J.G. Superconductivity in Th-Zr alloys 9−87178
Luo, H.L. *see* Stritzker, B. 9−56347
Luo Din-Jun *see* Sun Yi-Sui 9−80206
Luo He-lie *see* Sun Ke Huang 9−83518
Luo Huibang *see* Liang Biqi 9−53402
Luo Qiao-lin *see* Cao Hong-xing 9−79958
Luo Rui-Ming *see* Feng De-Yi 9−62435
Luo Shi-yu Nonlinear behaviour of a particle motion near resonance 9−63828
Luo Shi-yu *see* Wang Zheng-da 9−80864
Luoma, G.A., Marshall, A.G. Laser Raman evidence for new cloverleaf secondary structures for eukaryotic 5.8S RNA and prokaryotic 5S RNA 9−100569
Luomajarvi, M. Stopping powers of some metals for 0.3-1.5 MeV protons 9−55801
Luomajarvi, M. *see* Fontell, A. 9−60415
Luontama, M. *see* Celler, A. 9−76500
Lupal, O.A. *see* Belyaev, V.A. 9−74001
Lupascu, A. *see* Daniello, L. 9−73772
Lupashko, E.F. *see* Gorya, O.S. 9−95433
Lupashku, R.G. *see* Byrin, V.N. 9−50499
Lupatov, V.M. Investigation of the rate of the final stage of the formation of oxygen during photosynthesis 9−57606
Lupei, A., Lupei, V. EPR and luminescence studies on high-valency uranium centres in CaF_2 9−51854
Lupei, A. *see* Lupei, V. 9−91295
Lupei, A. *see* Ursu, I. 9−91296
Lupei, V., Lupei, A. On the nature of U^{5+} centres in LiF 9−91295
Lupei, V. *see* Georgescu, S. 9−54199
Lupei, V. *see* Lupei, A. 9−51854
Lupei, V. *see* Ursu, I. 9−91296
Lupekhin, S.M. *see* Osherovich, A.L. 9−98042
Lupilova, T.P. *see* Kovtun, V.V. 9−77035
Lupishko, D.F., Kiselev, N.N., Chernova, G.P. Opposition effect of the minor planet 17 Thetis 9−58294
Lupkovics, G. Measurement of helium loss in a He-Cd cataphoretic laser discharge tube 9−94252
Lupoli, G., Mangiavacchi, C., Rabach, G. A system of acquisition and automatic processing to analyse amplitude spectra of partial discharges 9−93108
Luponio, C. *see* Lanotte, L. 9−56587
Lupp, U. *see* Wolf, W. 9−53153
Lupton, L.R. *see* McAlister, S.C. 9−91027
Lupu, A. *see* Nasta, L. 9−90542
Lupu, D. *see* Bogdan, M. 9−73844
Luque, A., Lorenzo, E. The effect of the dispersion of the characteristics of solar cells in large systems 9−87994
Luque, A., Ruiz, J.M., Cuevas, A., Eguren, J., Gomez, J.M. Transcell, a novel approach for improving static photovoltaic concentration 9−61999
Lur'e, S.A., Potapov, N.N., Demin, E.A. Cold-worked Fe-18Cr-9Ni steel 9−83214
Lurf, G. French activities in the field of the fuel cycle 9−81054
Lurie, N.A., Naber, J.A., Bonzon, L.L. Adequacy of radiation sources for qualification of class 1E reactor components 9−59277
Lurie, N.A. *see* Lukens, H.R. 9−85732
Lurio, A. *see* Fan, B. 9−89627
Luryi, S. Products of generalized equivalent operators in angular momentum theory 9−49071
Luryi, S., Van Kranendonk, J. Theory of crystal-field interactions in solid hydrogen. I. Single ortho impurities in solid parahydrogen 9−82562

Lusanna, L. An extension of the sound Noether theorem 9—93290
Lusanna, L. *see* Barducci, A. 9—63078
Luscher, E. *see* Prechtel, J. 9—82298
Luscher, M. *see* D'Adda, A. 9—54302
Luscher, P.E., Collins, D.M. Design considerations for molecular beam epitaxy systems 9—95940
Lushcheikin, G.A. *see* Fursova, K.S. 9—52295
Lushchik, Ch.B., Plekhanov, V.G., Kuusmann, I.L., Betenekova, T.A., O'Connell-Bronin, A.A., Liblik, P.Kh. Luminescence of free and localized excitons in lithium hydride and deuteride 9—87483
Lushchik, V.G., Pavel'ev, A.A., Yakubenko, A.E. Three-parameter model of shear turbulence 9—90231
Lushchikov, I.I. *see* Gurari, M.L. 9—75535
Lushinkov, A.A., Piskunov, V.N. Self-similar singular spectra of particle masses in coagulating systems 9—70379
Lushnikov, A.A., Piskunov, V.N. Formation of steady-state distributions in coagulating systems with disintegrating particles 9—57296
Lushnikov, A.A., Piskunov, V.N. Asymptotic regimes of coagulation in systems with an external source of particles 9—57300
Lushnikov, A.A. *see* Domilovskii, E.R. 9—84377
Lushnikov, A.A. *see* Sutugin, A.G. 9—64721
Lusignoli, M., Pistilli, P., Rapuano, F. Semi-inclusive neutrino scattering and pion structure functions 9—80819
Lusignoli, M. *see* Buccella, F. 9—67599
Lusignoli, M. *see* Falcioni, M. 9—75787
Lusis, M.A., Anlauf, K.G., Barrie, L.A., Wiebe, H.A. Plume chemistry studies at a northern Alberta power plant 9—74565
Lusnikov, A.V. Mechanism of sputtering of surface atoms 9—69945
Luspin, Y., Servoin, J.L., Gervais, F. Critical behavior of polar modes in lead phosphate near the ferroelastic phase transition 9—95750
Luss, D. *see* Sheplev, V.S. 9—86524
Lust, R. Comets. Cosmic 'snowballs' 9—80275
Luste, G.J. *see* Goddard, M.C. 9—49544
Luste, O.Ya. *see* Anatychuk, L.I. 9—63211
Lustfeld, H. Mixed valence: comparison between Yb and Tm compounds 9—78048
Lustman, L., Geffen, N. Wave propagation and breaking in multidimensional magnetogasdynamic flows 9—98818
Luszczynski, K. *see* Conradi, M.S. 9—56623, 9—61249
Luszczynski, K. *see* Nothdurft, E.E. 9—55981
Luth, V. *see* Abrams, G.S. 9—89149, 9—89174
Luth, V. *see* Rapidis, P.A. 9—75780
Luther, A. Tomonaga fermions and the Dirac equation in three dimensions 9—58633
Luther, A. Soliton-bound states in the magnetic gap 9—78288
Luther, G. *see* Pawlaczyk, C. 9—51904
Luther, G. *see* Reader, J. 9—49954
Luther, L.C. *see* Blank, S.L. 9—82844
Luther, L.C. *see* Vella-Coleiro, G.P. 9—78459
Luther-Davies, B., Del Pizzo, V. A simple laser pulse tailoring/synchronization system for laser plasma interaction experiments 9—98404
Luther-Davies, B. *see* Boreham, B.W. 9—77409
Luther-Davies, B. *see* Del Pizzo, V. 9—82064
Luthi, B., Lingner, C. Magnetoelasticity, rotational invariance and magnetoacoustic birefringence in $CeAl_2$ 9—87304
Luthi, B. *see* Goto, T. 9—60418
Luthi, B. *see* Leung, K.M. 9—78053
Luthmann, R. *see* Entine, G. 9—49351
Luthra, K.L., Worrell, W.L. Simultaneous sulfidation-oxidation of nickel at 603°C in SO_2-O_2-SO_3 atmospheres 9—79162
Luthy, W., Affolter, K., Fuhrer, M. Laser induced surface deformations on silicon 9—82262
Luthy, W. *see* Roulet, M.E. 9—99989
Luthy, W. *see* Siregar, M.R.T. 9—82939
Luthy, W. *see* von Allmen, M. 9—69913
Lutjens, G. *see* Becker, H. 9—54363, 9—63533
Lutman, M.E., Martin, A.M. Development of an electroacoustic analogue model of the middle ear and acoustic reflex 9—83798
Lutomirski, R.F. Atmospheric degradation of electro-optical system performance 9—66805
Luton, M.J. *see* Jonas, J.J. 9—78993
Luton, M.J. *see* Petkovic, R.A. 9—91661
Lutovinov, V.S. Absorption of sound in low-temperature antiferromagnets 9—69711
Lutsch, A.G.K. *see* Crooke, M. 9—71484
Lutsenko, V.N., Nikolaeva, N.S. Prognoz 5 measurements of the relative content and spectrum of alpha particles in the Earth's inner radiation belt 9—84587
Lutsik, V.A. *see* Tomosov, A.P. 9—49617
Lutsishin, P.P. *see* Grishin, A.M. 9—60796
Lutskii, V.N. *see* Grodnenskii, I.M. 9—91174
Luts'ko, A.S. *see* Vinogradova, O.A. 9—71956
Lutsyk, V.I., Makarevskaya, V.V. Fusibility diagram of the system K_2SO_4-Cs_2SO_4-MoO_3 9—87619
Lutter, A., Ferencz, K. The light scattering of dielectric films 9—78782
Lutter, E. *see* Prunell, A. 9—79467
Luttgau, H.C. *see* Spiecker, W. 9—74616
Luttge, B. *see* Menold, R. 9—79704
Luttig, G. Heat from the earth. [The geothermal energy in view of strategies for the future supply of energy] 9—70427
Luttmer, J.D., Bard, A.J. Electrogenerated chemiluminescence. XXXIV. Photo-induced electrogenerated chemiluminescence and upconversion at semiconductor electrodes 9—91510
Lutton, L.L. *see* Medress, M.F. 9—64424
Lutwack, R. *see* Yaws, C.L. 9—65218
Luty, F. *see* Do Carmo, L.C.S. 9—87475
Luty, F. *see* Holland, U. 9—78718
Luty, F. *see* Kondo, Y. 9—73932
Luty, F. *see* Thormer, K. 9—91351
Luty, T. *see* Munn, R.W. 9—60470, 9—73958
Lutynski, B. *see* Fleszynski, J. 9—91359
Lutz, A.M. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Lutz, D. *see* Neels, H. 9—65995
Lutz, E.T.G., Van Der Maas, J.H. Structural information from OH stretching frequencies. III. The ratio axial/equatorial hydroxyl for cylcohexanol and 1-methyl cyclohexanol 9—72438
Lutz, F., Leiss, M., Muller, J. Epitaxy of $NdAl_3(BO_3)_4$ for thin film miniature lasers 9—74101
Lutz, F. *see* Hattendorff, H.-D. 9—64231
Lutz, G. *see* Becker, H. 9—54363, 9—63533
Lutz, H.D., Becker, R.A., Kruska, B.G., Berthold, H.J. Raman, IR and FIR measurements on anhydrous sodium perchlorate $NaClO_4$ in the temperature range between 90 and 600K 9—78687
Lutz, H.O. *see* Luz, N. 9—72388
Lutz, K. Standardisation of variable area flowmeters 9—50834
Lutz, R.A., Jablonski, D. Larval bivalve shell morphometry: a new paleoclimatic tool? 9—53510
Lutz, R.J., Chubb, W. Iodine spiking cause and effect 9—59227
Lutze, W. *see* Forster, S. 9—71970
Lutze, W. *see* Malow, G. 9—49790
Lutzky, M. Dynamical symmetries and conserved quantities 9—71651
Lutzky, M. Non-invariance symmetries and constants of the motion 9—75333
Luu, T.K., Casasent, D. Effects of wavefront propagation error in an optical correlator 9—50232
Luu Dang Vinh, Abenoza, M., Rault, J. Study of the CH_2 Raman scissor modes in polyethylene 9—69825
Luud, L.S., Il'mas, M.E. Intensities of hydrogen lines in the spectrum of the quasar 3C 273 9—88763
Luukkala, M., Penttinen, A. Photoacoustic microscope 9—64456
Lux, A.L., Flemings, M.C. Refining by fractional solidification 9—61536
Lux, A.L., Flemings, M.C. Refining by fractional melting 9—61537
Lux, B., Schachner, H. On the effect of wear resistant Al_2O_3 coatings on cemented carbide machine tools 9—74297
Lux, F., III. *see* Ruff, J.F. 9—68867
Lux, R.A., Davies, G.F., Thomas, J.H. Moving lithospheric plates and mantle convection 9—74880
Luxmoore, A. *see* Amin, F.A.A. 9—74323
Luxmoore, A.R. *see* Fawkes, A.J. 9—50652
Luyckx, R., Coulon, Ph., Lekkerkerker, H.N.W. Bounds on dynamic polarizabilities and dispersion force coefficients 9—68290
Luypaert, R., Van Craen, J. Cascade quantum beats: the calculation of intensity profiles 9—89630
Luz, B. Palaeo-oceanography of the post-glacial Eastern Mediterranean 9—53366
Luz, G. *see* Goebel, E.O. 9—98356
Luz, H. New method of testing ferromagnetic round bar 9—91880
Luz, N., Sackmann, S., Lutz, H.O. Impact-parameter dependence of K-shell excitation in slow ion-atom collisions 9—72388
Luz, Z. *see* Meirovitch, E. 9—82147
Luzanov, A.V., Pedash, V.F., Pedash, Yu.F. Atomic localization of triplet-triplet excitation in conjugated molecules 9—54830
Luzgin, S.N. *see* Kilimontovish, Yu.L. 9—77327
Luzhinskaya, M.G., Shur, Ya.S. Direction of magnetisation in interaction domains 9—99720
Luzzi, G. *see* Abatino, C. 9—65968
Luzzi, G. *see* Baeri, P. 9—65969
Luzzi, G. *see* Papogno, L. 9—95889
Luzzi, R. *see* Ferrari, C.A. 9—82977
Luzzi, R. *see* Sampaio, A.J.C. 9—51958
Luzzi, T. *see* Jassby, D.L. 9—50898
L'vov, A.I. Photoproduction on a pion and saturation of sum rules 9—49529
L'vov, A.I., Petrun'kin, V.A., Startsev, S.A. Finite energy sum rule for nucleon polarizabilities difference 9—58905
L'vov, A.N. *see* Shilyaev, B.A. 9—90703
Lvov, V.S., Cherepanov, V.B. On strongly anisotropic distributions of parametrically excited waves in isotropic media 9—87250
L'vov, V.S. *see* Kuznetsov, E.A. 9—98692
L'vov, Yu.B., Perkas, M.D., Maloletnev, A.Ya., Zaitseva, R.D. Impact-fatigue strength of medium-carbon high-nickel steel 9—79104
L'vov, Yu.M., Gonchar, N.A., Tikhonychev, V.V. Determination of the molecular weight and radius of inertia of histidine decarboxylase from Lactobacillus 30a and from Micrococcus sp. n 9—53025
L'vov, Yu.M. *see* Feigin, L.A. 9—55613
L'vov, Yu.M. *see* Gonchar, N.A. 9—92129
L'vova, E.A., D'yakova, M.A., Khabliev, S.Z. Mechanism and kinetics of dissociation of metastable β and α'' phases in two-phase titanium alloys 9—74152
Lvovich, A.Yu. On the derivation of Lagrange-Maxwell equations 9—84975
Lvovskii, V.E. *see* Kreitser, T.V. 9—52661
Ly Binh-Le *see* Binh-Le Ly
Ly Cheng K. *see* Cheng K. Ly
Lyadskaya, G.A. *see* Chernyi, Yu.F. 9—52235
Lyadskaya, G.A. *see* Tkachenko, F.K. 9—52232
Lyafer, E.I. *see* Zaitsev, V.I. 9—83275
Lyakh, L.I. *see* Molodov, A.I. 9—61872
Lyakhov, D.M. *see* Funke, V.F. 9—66097, 9—69267
Lyakhovskii, V.D. Stability of semisimple superalgebras 9—93314
Lyall, I.T. Early warm spells—a case study: 2 March 1977 9—79994
Lyamov, V.E. *see* Brazhkin, Yu.A. 9—64380
Lyamov, V.E. *see* Korshak, B.A. 9—69335
Lyamov, V.E. *see* Koshkina, E.N. 9—95090
Lyamov, V.E. *see* Vetrov, N.Yu. 9—55238
Lyamshev, L.M., Sedov, L.V. Optical generation of sound in a liquid half-space with an inhomogeneous surface layer 9—91403
Lyamshev, L.M. *see* Dunina, T.A. 9—95083
Lyamshev, M.L., Mikhalevich, V.G., Shipulo, G.P. Thermal excitation of acoustic waves in absorbing media by a periodic sequence of short laser pulses 9—95084
Lyando, V.A. *see* Vedernikov, A.O. 9—58820
Lyapidevskii, V.K. *see* Aidinova, D.M. 9—68139
Lyapilin, I.I. Electromagnetic waves near a combined resonance 9—99772
Lyapin, A.A. *see* Kovalev, V.N. 9—55570
Lyapin, E.A., Pelepelin, E.V. Ion current oscillations in a Hall accelerator 9—98995
Lyapkin, S.F. *see* Kozyrev, A.S. 9—66069
Lyapkov, V.N. *see* Levin, B.M. 9—71415
Lyaptsev, A.V. *see* Pavlov, N.I. 9—64114
Lyarskii, B.A. *see* Bron, O.B. 9—77447
Lyashenko, A.M. *see* Bandurin, V.V. 9—75329
Lyashenko, B.Ya. *see* Umanskii, E.S. 9—52500
Lyashenko, L.P. *see* Shcherbakova, L.G. 9—77837
Lyashenko, V.I. *see* Falomkin, I.V. 9—85376
Lyashevich, A.S. *see* Kononyuk, I.F. 9—52395
Lyasin, V.F. *see* Motrenko, E.I. 9—91611
Lyasnikov, V.N. *see* Kompaniets, T.N. 9—99371
Lyasotskii, I.V. *see* D'yakonova, N.B. 9—99329
Lyatskaya, A.M., Lyatskiy, V.B., Mal'tsev, Yu.P. Effect of field-aligned currents on the electron density profile 9—62651
Lyatskiy, V.B. *see* Lyatskaya, A.M. 9—62651
Lychkovskii, E.I. *see* Fedorchuk, E.N. 9—88940
Lyck, E. *see* Gryning, S.E. 9—58059
Lyczkowski, R.W. Comment on the drift-flux approximation in transient two-phase flows 9—68793
Lyczkowski, R.W., Ching, J.T. Safety consideration and economic advantage of a new underground nuclear power plant design 9—76068
Lyden, J.K. *see* Steinback, M. 9—51351
Lydon, J.C. *see* Wolfson, S.K., Jr. 9—74456
Lyfar, D.L., Ryabchenko, S.M. Effect of aniline intercalation on the temperature behaviour of NQR in PbI_2 9—91311
Lygin, V.I. *see* Girgorovich, S.L. 9—66031
Lygin, V.K., Tsimring, Sh.E. Trajectory analysis of extended helical electron beams with allowance for space-charge forces 9—86127
Lyhamn, L.E., Cyvin, S.J. Symmetry coordinates and force field analysis of heptamolybdate, Mo_7O_{24}, model 9—81200
Lyikov, V.V. *see* Anashkin, O.P. 9—73611
Lykasova, S.A., Vorontsov, E.S. Peculiarities in formation of oxide films on chromium accompanying interaction between chromium and oxygen in air, carbon dioxide and water vapour 9—74303
Lyke, R.L. *see* Andre, J.C. 9—72642
Lykhmus, A.E. *see* Kink, R.A. 9—87480
Lyklema, J.W. Computer simulations of a rough sphere fluid. I 9—82137
Lyklema, J.W. Computer simulations of a rough sphere fluid. II. Comparison with stochastic models 9—82138
Lyklema, J.W. Computer simulations of a rough sphere fluid 9—99041
Lykoudis, P.S., Hagar, R.C. Multiple-jet thermal mixing in a piping tee 9—81938
Lykov, A.N. *see* Golovashkin, A.I. 9—60986
Lykov, A.V. *see* Pecherskiy, D.M. 9—79816
Lykov, E.I. *see* Starodubtsev, Yu.N. 9—91250
Lyk'yanov, V.F., Kharchenko, V.Ya., Berezutskii, V.I., Sheiko, V.I., Gorbachev, A.F. Low-cycle fatigue of bimetallic rolled plates in bending 9—91794
Lyle, S.J. *see* Ball, J. 9—78592

Lyman, J.L., Danen, W.C., Nilsson, A.C., Nowak, A.V. Multiple-photon excitation of difluoroamino sulfur pentafluoride: a study of absorption and dissociation 9—100408

Lyman, J.L., Rockwood, S.D. Infrared laser isotope separation 9—50150

Lyman, W.S. *see* de Winter, F. 9—62040

Lynam, P. *see* Foster, H.R. 9—65780

Lynch, B. The modern simultaneous X-ray spectrometer in the metals industry 9—93268

Lynch, D.C., Elliot, J.F. Kinetics of the oxidation of CaS 9—52407

Lynch, D.K. Polarization models of halo phenomena. I. The parhelic circle 9—96819

Lynch, D.K., Schwartz, P. Origin of the anthelion 9—62583

Lynch, D.R., Gray, W.G. A wave equation model for finite element tidal computations 9—84282

Lynch, D.W. *see* McClelland, J.F. 9—73444

Lynch, D.W. *see* Olson, C.G. 9—73968

Lynch, D.W. *see* Rosei, R. 9—69816

Lynch, D.W. *see* Weaver, J.H. 9—73930

Lynch, E.C. *see* Chimoskey, J.E. 9—53280

Lynch, H.L. *see* Brandelik, R. 9—63491, 9—93441

Lynch, J.F., Tanaka, J. The dilute solution of hydrogen and deuterium in β-titanium 9—99322

Lynch, J.G. *see* Armstrong, T.A. 9—85344

Lynch, J.G. *see* Baillie, A.D. 9—93557

Lynch, L.J. *see* Webster, D.S. 9—49234

Lynch, M.F. *see* Bawden, D. 9—83541

Lynch, P.F. *see* Brown, C.W. 9—54205

Lynch, R.F. *see* Al-Huseini, F.A. 9—71459

Lynch, R.T. *see* Levine, B.F. 9—76750

Lynch, R.T., Jr. Optical fiber—waveguide coupler 9—98485

Lynch, R.T., Jr., Small, M.B., Hung, R.Y. Effect of cavity length on stripe-geometry DH laser output linearity 9—50323

Lyndin, N.M. *see* Andreev, A.S. 9—76863

Lyndin, N.M. *see* Ctyroky, J. 9—90003

Lyndin, N.M. *see* Proklov, V.V. 9—90032

Lyne, A.G., Smith, F.G. A possible relation between braking and beaming in pulsars 9—92793

Lyne, A.G. *see* Bruk, Yu.M. 9—62863

Lyne, A.G. *see* Salter, M.J. 9—88694

Lyneis, C.M., McAshan, M.S., Rand, R.E., Schwettman, H.A., Smith, T.I., Turneaure, J.P. The Stanford superconducting recyclotron 9—72065

Lyneis, C.M., Sayag, J., Schwettman, H.A., Turneaure, J.P. Performance of a superconducting accelerator structure with a modified geometry 9—68078

Lyneis, C.M. *see* Vetter, A.M. 9—68017

Lynen, U., Stelzer, H., Gobbi, A., Sann, H., Olmi, A. Large-area, two-dimensional position sensitive detectors 9—72202

Lynen, U. *see* Berlanger, M. 9—67636

Lynen, U. *see* Faessler, M.A. 9—93664

Lynen, U. *see* Gavron, A. 9—93892

Lyng-dyk-Tuan *see* Manin, V.N. 9—64973

Lynn, B. *see* Feinberg, G. 9—63431

Lynn, J.W., Shelton, R.N. Neutron scattering studies of crystal field excitations in $(RE)Mo_6Se_8$ 9—78321

Lynn, J.W. *see* Patterson, H.H. 9—60449

Lynn, J.W. *see* Rhyne, J.J. 9—73701

Lynn, K.G. Investigation of positronium formation at a Ag(100) surface 9—82654

Lynn, K.G. Observation of surface traps and vacancy trapping with slow positrons 9—87522

Lynn, K.G., McKee, B.T.A. Some investigations of moderators for slow positron beams 9—71888

Lynn, K.G. *see* Kossler, W.J. 9—56665, 9—56697

Lynn, P.A. Direct on-line estimation of muscle fiber conduction velocity by surface electromyography 9—100765

Lynn, P.A., Bettles, N.D., Hughes, A.D., Johnson, S.W. Influences of electrode geometry on bipolar recordings of the surface electromyogram 9—53269

Lynn, P.A., Parker, W.R., Reed, G.A.L., Baldwin, J.F., Pilsworth, B.W. New approaches to modelling the disabled human operator 9—92253

Lynne-Davies, P. *see* Schweitzer, T.W. 9—88071

Lynnworth, L.C. New designs for magnetostrictive probes using extensional, torsional and flexural waves 9—50562

Lynov, J.P. *see* Jensen, V.O. 9—68916

Lynov, J.P. *see* Karpman, V.I. 9—77395

Lynov, J.P. *see* Sugai, H. 9—86575

Lyo, S.K. Many-body effect of the electron-phonon interaction on the thermoelectricity in metals 9—69499

Lyon, D.E. *see* Martin, J.F. 9—89167

Lyon, F. *see* Bouget, Y.H. 9—59124

Lyon, I.D. Real time simulation of turbulent atmospheric propagation 9—53525

Lyon, K.G., Salinger, G.L., Swenson, C.A. Tunneling models and the experimental thermal expansivities of fused silica and poly(methylmethacrylate) (PMMA) below 4K 9—73326

Lyon, W.L. *see* Radford, K.C. 9—97879

Lyon, W.S. Radioactivity and fusion power 9—63811

Lyons, B.W., Robinson, S.R. Speckle noise model for optical heterodyne line-scan imagery 9—50337

Lyons, D.Y. *see* Scott, D. 9—53197

Lyons, K.B., Guggenheim, H.J. A light scattering investigation of the incommensurate transitions in $BaMnF_4$ 9—87406

Lyons, K.B. *see* Fleury, P.A. 9—91387, 9—95775

Lyons, L. *see* Allison, W.W.M. 9—76258

Lyons, L. *see* Eisenberg, Y. 9—75804

Lyons, L.R., Evans, D.S., Lundin, R. An observed relation between magnetic field aligned electric fields and downward electron energy fluxes in the vicinity of auroral forms 9—53606

Lyons, P.B., Looney, L.D., Golob, J.E., Kelly, R.E. Short-term transient radiation effects in optical fibers 9—50420

Lyons, P.B. *see* Nelson, M.A. 9—54173

Lyons, T. *see* Cutts, D. 9—85346

Lyons, W.A. *see* Keen, C.S. 9—88445

Lyons, W.C. Storage and disposal of nuclear wastes: prospects for the next 25 years 9—49792

Lysak, L.I., Ustinov, A.I., Kondrat'ev, S.P. Plastic deformation and recovery of shape during $\gamma \rightleftarrows \varepsilon$, ε' martensitic transformations in manganese steel 9—83196

Lysak, R. *see* Cattell, C. 9—100999

Lysakov, V.S. Evaluation of cross sections for electron capture by impurity ions in quartz 9—95855

Lysakovskii, G.G. *see* Zaients, S.L. 9—81089

Lysanov, Yu.P. *see* Volovov, V.I. 9—86284

Lysanov, Yu.V. *see* Kochina, M.P. 9—93835

Lysenko, A.B. *see* Tkach, V.I. 9—91636

Lysenko, A.G., Rol'shchikova, G.D. Plotting a fatigue probability diagram for wires 9—52490

Lysenko, E.N. A study of the influence of constructional features of the superconducting solenoids on their magnetic parameters 9—71488

Lysenko, T.G. *see* Bobrovnik, S.A. 9—57614

Lysenko, V.G. *see* Belyi, N.M. 9—69433

Lysenko, V.N. *see* Ostrovskii, I.V. 9—91509

Lysenko, V.S., Nazarov, A.N. Formation and annealing of radiation damage in boron ion implanted MOS structures 9—56321

Lysenko, W. *see* Alguard, M.J. 9—76242

Lysenko, W.P. Linac particle tracing simulations 9—71999

Lysenko, W.P. *see* Thompson, P.A. 9—68115

Lysenok, L.N. *see* Vorob'eva, L.M. 9—88926

Lyshov, L.L. *see* Barabanov, V.N. 9—66161

Lysikov, B.V. *see* Bulkin, Yu.M. 9—97837

Lysikov, Yu.I. Effect of electronic rearrangement on the nonradiative transition rate 9—54907

Lyskovich, A.B., Byalik, N.V. Proper luminescence of $A^{II}Br_2^{VII}$ crystals with laminar structure when excited with electron beam 9—78760

Lysov, V.V., Mostovoi, V.I., Taraban'ko, V.A., Trukhanov, G.Ya. Spectra of thermal neutrons in water 9—71925

Lysova, E.V. *see* Popov, V.I. 9—82690

Lysova, G.V. *see* Lebedev, S.Y. 9—65127

Lyssenko, V.G. *see* Schrey, H. 9—87446

Lysykh, A.A., Naidyuk, Yu.G. Inelastic tunnel effect in sodium-based contacts 9—95511

Lysykh, A.A., Yanson, I.K. Investigation of the electron-phonon interaction functions of sodium and lithium by microcontact spectroscopy 9—95108

Lysykh, A.A. *see* Verkin, B.I. 9—60457

Lyszyk, M. *see* Herlemont, F. 9—59455, 9—98088

Lytle, F.E. *see* Barnes, W.T. 9—64025

Lytle, F.E. *see* Haugen, G.R. 9—59732

Lytle, F.W., Wei, P.S.P., Greegor, R.B., Via, G.H., Sinfelt, J.H. Effect of chemical environment on magnitude of X-ray absorption resonance at L_{III} edges. Studies on metallic elements, compounds, and catalysts 9—72256

Lytle, F.W. *see* Via, G.H. 9—91530

Lytle, F.W. *see* Wei, P.S.P. 9—61469

Lytle, J.D. Optical tolerancing philosophy—a comparison of glass and plastic 9—59780

Lytle, J.D., Palmer, A.L. Aspheric profile gauging using a bootstrap data interpretation technique 9—59786

Lytle, J.D., Wilkerson, G.W., Jaramillo, J.G. Wideband optical transmission properties of seven thermpolastics 9—76771

Lytle, R.J., Duba, A.G., Willows, J.L. Alternative methods for determining the electrical conductivity of core samples 9—67345

Lyttle, P.T., Gohn, G.S., Higgins, B.B., Wright, D.S. Vertical crustal movements in the Charleston, South Carolina—Savannah, Georgia area 9—79790

Lyttleton, R.A. The Ramsey phase-change hypothesis 9—66662

Lytton, D.G., Yuen, E., Rickard, K.A. Scanning electron and light microscope correlation of individual human bone marrow cells before and after culture in nutrient agar 9—74605

Lyu, B.N., Yefimov, M.L., Kul'sartov, V.K., Yakupova, R.M. Movement of oxygen dissolved in liquid in a permanent magnetic field 9—57678

Lyu, S.L. *see* Ahrenkiel, R.K. 9—61771

Lyu-Fa-Chun, M. *see* Telesnin, R.V. 9—99735

Lyubalin, M.D., Tretjakov, V.N., Mokievskii, V.A. On the orientation dependence of effective distribution coefficients of impurities 9—69976

Lyubalin, M.D. *see* Brodskaya, R.L. 9—51111

Lyubarskii, M.G. *see* Bliokh, Yu.P. 9—55492

Lyubchenko, A.V., Sal'kov, E.A. Inhomogeneous composition effect on the carrier lifetime in the $Cd_xHg_{1-x}Te$ crystals 9—73526

Lyubchenko, A.Yu. *see* Basov, N.G. 9—89904

Lyubimov, A.I. *see* Afanas'eva, V.L. 9—76898

Lyubimov, B.Ya. Rotating shell model of a relativistic star 9—88650

Lyubimov, B.Ya. *see* Baranov, V.Yu. 9—94208

Lyubimov, G.A. *see* Abakumov, B.M. 9—67417

Lyubimov, G.A. *see* Bityurin, V.A. 9—86520

Lyubimov, G.A. *see* Zekster, M.P. 9—55593

Lyubimov, G.P. *see* Vernov, S.N. 9—80126

Lyubimov, I.S. *see* Trushkov, A.I. 9—61615

Lyubimov, V.B. *see* Abdivaliev, L. 9—93568

Lyubimov, V.B. *see* Angelov, N. 9—59094, 9—89335

Lyubimov, V.N., Sannikov, D.G. Surface acoustic waves on 180° domain boundaries in ferroelectrics of the barium titanate type 9—90860

Lyubimov, V.S., Manakova, L.A., Ionov, S.P., Semin, G.K. Low-lying collective electronic excitations in charge-ordered crystals, and the problem of studying them in nuclear quadrupole resonance spectra 9—78561

Lyubimov, V.V., Shur, V.L., Etsin, I.Sh. Diffraction phenomena in a two-beam laser interferometer 9—63300

Lyubimova, I.E. *see* Lisitskii, I.S. 9—51135

Lyubin, V.M. *see* Zhdanov, V.G. 9—65948

Lyubitov, Yu.N., Belen'kii, V.Z. Nonstationary evaporation of single crystals. I. Empirical discussion 9—65327

Lyubitov, Yu.N. *see* Belen'kii, V.Z. 9—65328, 9—95151, 9—95152

Lyuboshits, V.L., Podgoretskii, M.I. Interference correlations at detection of pairs of neutral K mesons 9—93421

Lyubov, B.Ya., Sobol', E.N. Development of thermal model of surface vaporisation of metals under action of concentrated energy sources 9—74091

Lyubovskaya, R.N., Lyubovskii, R.B., Merzhanov, V.A., Khidekel, M.L. Effect of fluctuations on the Peierls transition in the organic metal $(dibenzotetrathiofulvalene)_{2.67}.SnCl_6$ $((DBTTF)_{2.67}.SnCl_6)$ 9—60809

Lyubovskii, R.B. *see* Lyubovskaya, R.N. 9—60809

Lyubovtseva, Yu.S., Moiseenko, G.S., Plakhina, I.N. Experimental study of scattering matrices of light by spherical particles 9—98285

Lyubutin, I.S. *see* Dodokin, A.P. 9—95578

Lyubutin, I.S. *see* Nikolaev, I.N. 9—99811

Lyuchkov, A.D. *see* Krishtal, M.A. 9—87650

Lyugol, J.S. *see* Alkhazov, G.D. 9—75883

Lyukov, V.F. *see* Golubev, L.I. 9—71921

Lyul'ka, L.A. *see* Bazarov, V.G. 9—86498

Lyutenko, V.F. *see* Pyadyshev, V.G. 9—92632

Lyutii, E.M. *see* Maksimovich, G.G. 9—52249

Lyutova, T.M. *see* Krylova, S.V. 9—87864

Lyuttsau, V.G. *see* Tsybizov, F.S. 9—52273

Lyuttsau, V.G. *see* Zabolotskii, A.A. 9—70020

Lyutyi, E.M. Safe-life testing of refractory metals and alloys 9—52476

Lyutyi, E.M. *see* Karpinos, D.M. 9—96135

Lyutyi, V.M., Shugarov, S.Yu. Photometry of V616 MON=A 0620—00 during the light minimum 9—58360

Lyutyi, V.M., Shugarov, S.Yu. Photometry of the X-ray source Aql X-1 during the 1978 outburst 9—101224

Lyutyi, V.M. *see* Sharov, A.S. 9—62879

Lyyra, M. *see* Appelblad, O. 9—89685

M. do Carmo A. Santos *see* Peixoto, E.M.A. 9—80721

Ma, C.C., Kubota, H., Rooney, J.M., Squire, D.R., Stannett, V. Chemically-initiated solution polymerizations and radiation-initiated bulk polymerizations of isopropyl vinyl ether 9—91952

Ma, C.Lowe *see* Lowe Ma, C.

Ma, C.M. *see* Barber, D. 9—54289, 9—54346

Ma, C.M. *see* Barber, D.P. 9—89175, 9—97631

Ma, C.Q., Sahni, V. Statistical calculation of jellium surface properties 9—60897

Ma, D.A. *see* Barber, D.P. 9—89175, 9—97631

Ma, E., Pakvasa, S. Cabibbo angle and quark masses in the Weinberg-Salam model 9—93332

Ma, T.P. *see* Ma, W.H.-L. 9—91152

Ma, W.H.-L., Ma, T.P. The effect of RF annealing upon electron-beam irradiated MIS structures 9—91152

Ma Chun-Ming *see* Chun-Ming Ma

Ma Da-You, Li Pei-Zi, Dai Gen-Hua, Wang Hong-Yu The outflow of air from porous materials and the noise reduction theory of porous diffuser 9—50785

Ma Da-you, Li Pei-zi, Dai Gen-hua, Wang Hong-yu Turbulent jet noise and diffusors 9—55367

Ma Er *see* Yin Qifeng 9—80296

Ma Ji-hu *see* Zhao Jing-lun 9—59308

Ma Khe-Tai *see* Khe-Tai Ma

Ma Shang-keng *see* Shang-keng Ma
Ma Shao-Mu *see* Shao-Mu Ma
Ma Wei-xing, Li Yang-guo Elastic and inelastic π-nuclear scattering 9—59092
Ma Xing-Xiao The kinetics of laser isotope separation 9—50145
Ma Xing-Xiao, Hu Zhao-Lin The kinetic treatment of isotope enrichment process under focused IR laser pulse 9—50093
Ma Yan-Chow *see* Yan-Chow Ma
Ma Ying Ying *see* Zheng Shun-xuan 9—81206
Ma Zhong-Lin *see* Ye Bi-Qing 9—50325
Maa, J.S., Huang, T.L. Structure of CdS chemically sprayed films produced by a centrifugal disk atomizer 9—65343
Maa Jer-shen *see* Jer-shen Maa
Maag, A. Investigation to improve the durability from blast furnace blow moulding 9—66193
Maak, P.Y.Y., Aust, K.T. The effect of antimony on sintering of silver in the initial stage 9—52137
Maan, J.C. *see* Bluyssen, H. 9—73430
Maan, J.C. *see* Blyussen, J.H.A. 9—87112
Maanen, A.E.P.M.Abels-van *see* Abels-van Maanen, A.E.P.M.
Maartense, I., Searle, C.W. Domain-wall transitions in magnetic bubble garnet films 9—56584
Maartense, I. *see* Mier, M.G. 9—78462
Maartense, I. *see* Searle, C.W. 9—56563
Maas, A.J.J. *see* Teerhuis, P.C. 9—84048
Maas, J.H., Rieck, G.D. The texture of diffusion-grown disilicide layers on molybdenum and tungsten 9—74095
Maas, J.H.Van Der *see* Van Der Maas, J.H.
Maaskant, W.J.A. *see* Crama, W.J. 9—90604
Maass, J. *see* Frese, H. 9—72083
Maass, J.A. Parametric stimulation of biological tissue 9—92320
Maaswinkel, A.G.M., Eidmann, K., Sigel, R. Comparative reflectance measurements on laser-produced plasmas at 1.06 and 0.53 μm 9—73015
Maayan, Ch., Zajicek, G., Rosenmann, E. Computer image analysis of kidney histopathological sections 9—79679
Maayan, Ch. *see* Zajicek, G. 9—70712
Maayouf, R.M.A. *see* Adib, M. 9—85466
Maazaz, A., Delmas, C., Fouassier, C., Reau, J.-M., Hagenmuller, P. On a new family of cationic conductors with formula $K_x(L_{x/2}Sn_{1-x/2})O_2$ (L=Mg, Ca, Zn; x<1) 9—60546
Maazaz, A. *see* Delmas, C. 9—65244, 9—77810
Mabboux, C. *see* Hamelin, J. 9—58161
Mabey, D.G. Reduction of infra-sound from the auxiliary compressors of a large wind tunnel 9—81628
Mabey, D.G. *see* Raghunathan, S. 9—94642
Mabey, D.R., Hoover, D.B., O'Donnell, J.E., Wilson, C.W. Reconnaissance geophysical studies of the geothermal system in southern Raft River Valley, Idaho 9—84307
McAdam, W.B. The time scale of decimetre flux density variations 9—53930
McAdams, R.E., Otteson, O.H., Lind, V.G., Denig, W.F., Goulding, C.A., Greenfield, M., Plendl, H.S., Lieb, B.J., Stronach, C.E., Gram, P.A.M., Sharma, T. Evidence that for non absorption reactions of 190-MeV π^+, π^- on ^{27}Al multinuclear removal often occurs as separate particles 9—85498
McAdams, R.E. *see* Lind, V.G. 9—85520
McAdams, R.E. *see* Otteson, O.H. 9—85519
McAdon, M.H. *see* Konowalow, D.D. 9—97997
McAdoo, D.C. *see* Turcotte, D.L. 9—84077
McAfee, J., Crutzen, P.J. Modeling stratospheric photochemistry and kinetics 9—53495
McAfee, J.G. *see* Bassano, D.A. 9—100749
McAfee, R.D., Longacre, A, Jr., Bishop, R.R., Elder, S.T., May, J.G., Holland, M.G., Gordon, R. Absence of ocular pathology after repeated exposure of unanesthetized monkeys to 9.3-GHz microwaves 9—53191
McAlary, C.W., Wehlau, W.H. Light variability of HD 116994 (V743 Centauri) 9—97006
McAlees, D.G. *see* Uckan, N.A. 9—76120
McAlister, H.A. Speckle interferometric measurements of binary stars. IV 9—71065
McAlister, H.A. *see* Breckinridge, J.B. 9—62745
McAlister, S.C., Hurd, C.M., Lupton, L.R. Anisotropic electron scattering in Al and some Al-based alloys 9—91027
McAlister, S.P. The spin-glass transition and anomalous Hall effect in concentrated AuFe, AuMn and AuCo 9—61162
McAlister, S.P. *see* Hurd, C.M. 9—73492
McAlpine, D. *see* Evans, D.K. 9—94094
MacAlpine, G.M. *see* Shuder, J.M. 9—71148
McAlpine, R.D., Evans, D.K., McClusky, F.K. Laser isotope separation and the multiphoton decomposition of methanol using a pulsed HF or DF laser 9—66306
MacAndrew, J.A. The choice of beamsplitter for minimum exposure time in photoresist holography 9—59655
Macarie, G. *see* Bogdan, D. 9—80899
McArthur, D.A., Halbleib, J.A., Sr., Morel, J.E. Coded aperture imaging in many-pin fuel bundles 9—49777
McArthur, L.B., Hay, J.E. On the anisotropy of diffuse solar radiation 9—88398
Macartney, F.J. *see* Wyse, R.K.H. 9—70596
McAshan, M.S. *see* Lyneis, C.M. 9—72065
Macaulay, C.F., Cavanagh, A.K. Tempering behavior of some low and medium carbon steels 9—61629
McAvaney, B.J., Bourke, W., Puri, K. A global spectral model for simulation of the general circulation 9—53447
McAvoy, B.R. *see* de Klerk, J. 9—56063
McAvoy, B.R. *see* Mergerian, D. 9—50444
McB. Miller, J.H. Application of atomic absorption/emission spectrophotometry to pharmaceutical analysis 9—96397
MacBain, J.C., Horner, J.E., Stange, W.A., Ogg, J.S. Vibration analysis of a spinning disk using image-derotated holographic interferometry 9—81822
McBean, G.A., Elliott, J.A. The energy budgets of the turbulent velocity components and the velocity-pressure gradient interactions 9—58026
McBean, G.A. *see* Lo, A.K. 9—79953
Macbeth, P.J. *see* Jensen, C.M. 9—52964
McBride, J.B., Krall, N.A., Sulton, A.L., Jr. Point model calculations of EBT performance 9—98962
McBride, J.B. *see* Klein, H.H. 9—55537
McBride, J.B. *see* Krall, N.A. 9—98871
McBride, J.M. *see* Vary, M.W. 9—73813
McBride, R.P. *see* Taylor, D.G. 9—49295
McBryan, O. *see* Jonsson, T. 9—92960
McCabe, D.E. *see* Clarke, G.A. 9—52542
McCafferty, E. Inhibition of the crevice corrosion of iron in chloride solutions by chromate 9—91847
McCaffery, A.J. *see* McCormack, J. 9—76462
McCaffrey, P.M., Pugh, E.W., Thompson, D.A. Propagation of a magnetic bubble lattice 9—82841
McCaffrey, R.J. *see* Rahn, K.A. 9—88377
McCal, D., LeBritton, J., Metcalf, W., Melissinos, A.C., Alspector, J., Borenstein, S., Kalbfleisch, G., Strand, R.C., Abashian, A. Experimental determination of the structure function of the pion 9—89154
McCal, D. *see* Reece, C. 9—89196
McCall, I.W. *see* Park, W.M. 9—53213
McCall, J.L., French, P.M. *(editor)* Metallography in Failure Analysis 9—61832
McCall, M.H. Flavour and spin effects in the quark sea 9—80794
McCall, M.L. Temperatures and abundances in the outer Orion Nebula 9—53868
McCall, R.C., Jenkins, T.M., Shore, R.A. Transport of accelerator produced neutrons in a concrete room 9—49868
McCall, R.D. *see* Brauer, R.W. 9—88070
McCall, S.L. *see* Gibbs, H.M. 9—61454, 9—64314
McCall, T.B., Markowski, F.J., Shire, P.R. Potential gas entry into FFTE after a postulated pipe rupture 9—85657
McCall, W.D., Jr. *see* Brown, G.S. 9—74780
McCalla, B.A. *see* Yates, B. 9—55909
McCallum, J.C. Computational study of the accuracy of the r-centroid approximation 9—89661
McCallum, R.W., Woolf, L.D., Shelton, R.N., Maple, M.B. Low temperature heat capacity of nonmagnetic rare earth molybdenum chalcogenides 9—51720
McCallum, R.W. *see* Azevedo, L.J. 9—56380
McCallum, R.W. *see* Woolf, L.D. 9—73632
McCammon, J.A. *see* Levy, R.M. 9—86671
McCammond, D. *see* Campbell, I.G. 9—66185
McCammond, D. *see* Smith, G.R. 9—61659
McCandlish, L.E. *see* Jacobson, A.J. 9—100397
McCann, K.J., Flannery, M.R. Theoretical cross sections for ionization of metastable excimers NE^*_2 and Ar^*_2 by electron impact 9—68320
McCann, K.J. *see* Flannery, M.R. 9—81270
McCann, W. *see* Nishenko, S. 9—57905
McCanny, J.V. The electronic structure of lithiated SnS_2 9—78004
McCanny, J.V. A theoretical study of the effects of lithium intercalation on the electronic structure of TiS_2 9—95323
McCardell, R.K. *see* Sparks, D.T. 9—89444
McCarthy, C.J. *see* Martens, A.E. 9—58678
McCarthy, I.E. The optical model in atomic physics 9—98223
McCarthy, J. *see* Minehart, R. 9—76032
McCarthy, J. *see* Tummillo, A.F. 9—68006
McCarthy, J. *see* Walton, J. 9—76204
McCarthy, J.D. *see* Andrews, R.A. 9—67990
McCarthy, J.F., Forrest, W.J., Houck, J.R. Observations of [S III] 18.71 micron emission in galactic H II regions 9—97046
McCarthy, J.S. *see* Blanpied, G.S. 9—85518
McCarthy, J.S. *see* Boyer, K.G. 9—85539
McCarthy, J.S. *see* Davis, J. 9—93662
McCarthy, J.S. *see* Kallne, J. 9—85503, 9—85521
McCarthy, J.S. *see* Lichtenstadt, J. 9—93490
McCarthy, P.B. *see* Lewis, R.A. 9—81059
McCarthy, R.L. *see* Jostlein, H. 9—89310
McCarthy, W.H. Effect of gas composition on thermal conductivity of ceramic fuels 9—93733
McCartney, H.A. *see* Harrison, R.M. 9—57527
McCartney, L.N. *see* Hunt, R.A. 9—81810
McCartney, W.H. *see* Staab, E.V. 9—57770
McCarty, J.G., Wise, H., Wood, B.J. Thermodynamics of sulfur chemisorption on transition metals 9—82452
McCaskill, T., White, J., Stebbins, S., Buisson, J. NTS-2 cesium frequency stability results 9—54110
McCauley, J.F., Smith, B.A., Soderblom, L.A. Erosional scarps on Io 9—92699
McCauley, J.L., Jr. Quantized vortex pair production in ^{4}He films as a boundary-layer problem 9—99378
McCausland, M.A.H., Mackenzie, I.S. Nuclear magnetic resonance in rare earth metals 9—91299
McCay Nevins, W. Pseudo-classical transport. I. The particle and energy flux 9—94773
McCay Nevins, W. Pseudo-classical transport. II. A nonlinear theory of the 'collisionless' drift instability 9—94774
MacChesney, J.B. *see* Andrejco, M.J. 9—50461
MacChesney, J.B. *see* Pearson, A.D. 9—50462
McChesney, R.M. Solar heated and cooled financial building 9—57465
Macchetto, F. *see* Cassatella, A. 9—62837
Macchi, E. *see* Gaia, M. 9—57448, 9—70425
Macchi, E. *see* Giglioli, G. 9—52955
Macchia, D.D., Helman, S.I. Transepithelial current-voltage relationships of toad urinary bladder and colon. Estimates of $E_{NA}A$ and shunt resistance 9—92195
Macchiarella, G., Mauri, M. Measured attenuation and estimated attenuation at 11.6 GHz from sky noise temperature during the SIRIO-SHF experiment 9—84341
McClain, Wm.M. *see* Anderson, R.J.M. 9—68416
McClatchey, R.A., Shettle, E.P. Atmospheric optical transmission modelling and prediction schemes 9—53519
McClean, W.A., Swain, S. The time dependence of two-phonon ionisation 9—81193
McCleese, D.J. *see* Taylor, F.W. 9—70978
McClelland, J.F., Lynch, D.W. Electromodulation spectroscopy of excitons in simple cubic TlCl and TlBr 9—73444
McClements, M.J. *see* Uthman, A.P. 9—50038
McClimans, T.A. Fronts in fjords 9—57953
McClintock, F.A., Zaverl, F., Jr. An analysis of the mechanics and statistics of brittle crack initiation 9—50658
McClintock, F.A. *see* Tirosh, J. 9—68654
McClintock, J. *see* Kaluzienski, L. 9—62842
McClintock, J.A., Lee, Y.K., Madansky, L. Production of electrons in heavy-ion-atom collisions at 40 to 120 MeV 9—89767
McClintock, J.E., Canizares, C.R., van Paradijs, J., Cominsky, L., Li, F.K., Lewin, W.H.G., Grindlay, J.E. A 3-s delay in an optical burst from X-ray burst source MXB 1735—44 9—58442
McClintock, P.V.E. *see* Allum, D.R. 9—55969
McClintock, W. *see* Schneeberger, T.J. 9—92773
McCloskey, D.J. *see* Benjamin, A.S. 9—59202, 9—85639
McClung, R.E.D. *see* Arndt, R. 9—82969
McClung, R.E.D. *see* Vincent-Geisse, J. 9—54913
McClure, D.J., Crowe, J.R. Characterization of amorphous barium titanate films prepared by RF sputtering 9—83119
McClure, D.S. *see* Pedrini, C. 9—78132
McClure, D.S. *see* Shatwell, R.A. 9—56768
McClure, D.S. *see* Simonetti, J. 9—95810
McClure, J.W. *see* Pickles, W.L. 9—87931
McClure, M.G., Takagi, S. Angular momentum of anisotropic superfluids 9—90840
McClure, R.D. *see* Crampton, D. 9—67120
McClure, R.D. *see* Van Den Bergh, S. 9—97057
McCluskey, R. *see* Evangelista, C. 9—80843
McCluskey, R.M. *see* Evangelista, C. 9—75788
McClusky, F.K. *see* Evans, D.K. 9—94094
McClusky, F.K. *see* McAlpine, R.D. 9—66306
McClusky, G.A. *see* Kondrat, R.W. 9—74437
Macco, F., Lehmann, W., Weber, R. One- and two-magnon Raman scattering in K_2CoF_4 9—51945
McCollum, B.C. *see* Lempicki, A. 9—83015
McComb, W.D., Chan, K.T.J. Drag reduction in fibre suspensions: transitional behaviour due to fibre degradation 9—72918
McCombie, C., Gmuer, K., Graf, H., Richmond, R., Schmocker, U., Jermann, M., Seth, S. Axial UO_2 blanket measurements in a rodded GCFR lattice 9—81037
McCombie, C. *see* Gmuer, K. 9—67836
McConkey, J.W. *see* Baxter, J.A. 9—72422, 9—72423
MacConnell, D.J. *see* Sanduleak, N. 9—58405
McConnell, H.M. *see* Sheats, J.R. 9—100583
McConnell, J. *see* Ford, G.W. 9—54058, 9—54062
McConnell, J.R. *see* Berkstresser, B.K. 9—96658
McConnell, J.R. *see* O'Rourke, J.E. 9—79729
McConnell, J.W. *see* Olsen, D.K. 9—67751
McConville, G.T. *see* Aziz, R.A. 9—68291
McCook, G.P. *see* Dorren, J.D. 9—53820
McCook, G.P. *see* Guinan, E.F. 9—88700
McCool, J.I. Competing risk and multiple comparison analysis for bearing fatigue tests 9—52473
McCorkle, D.L. *see* Christophorou, L.G. 9—76279
McCormack, A.G. *see* Mussett, A.E. 9—62601

MacCormack, I.B. The physical and magnetic properties of electrodeposited iron foil 9—91275
McCormack, J., McCaffery, A.J. Perturbations in the $^1\Pi$ states of NaK 9—76462
McCormack, M.D. *see* Dodson, W.J. 9—49718
McCormick, A.W. *see* Potter, D.I. 9—66060, 9—77647
McCormick, G.C. Relationship of differential reflectivity to correlation in dual-polarisation radar [rain targets] 9—62556
McCormick, G.C., Allan, L.E., Hendry, A. The backscatter matrix of ice samples: its relation to the identification of hail by radar 9—58046
McCormick, M.E. Wave energy conversion in a random sea 9—52875
McCormick, M.P., Swissler, T.J., Chu, W.P., Fuller, W.H., Jr. Post-volcanic stratospheric aerosol decay as measured by lidar 9—53444
McCormick, M.P. *see* Chu, W.P. 9—74961
McCormick, N.J. Transport scattering coefficients from reflection and transmission measurements 9—93078
McCormick, P.G. *see* Driver, P.M. 9—62037
McCourt, F.R. *see* Liu, W.-K. 9—55436, 9—86556
McCourt, F.R. *see* Tenti, G. 9—59490, 9—68901
McCowan, D.W., Glover, P., Alexander, S.S. A crust and upper mantle model for Novaya Zemlya from Rayleigh-wave dispersion data 9—84187
McCoy, D.G. *see* Lewis, B.R. 9—98120
McCoy, G.L. *see* Almassy, R.J. 9—87503
McCoy, J.F. *see* Taylor, H.L. 9—88484
McCoy, R.P. *see* Conway, R.R. 9—101101
McCracken, C.W. *see* Feibelman, W.A. 9—92821
McCracken, G.M., Stott, P.E. Plasma-surface interactions in Tokamaks 9—73017
McCracken, G.M. *see* Cohen, S.A. 9—99233
McCrackin, F.L. *see* Han, C.C. 9—96376
McCrary, J.W. *see* Chapman, R.M. 9—79503
McCrea, J.D., O'Brien, G. Spin precession in the relativistic two-body problem 9—49118
McCrea, W. *see* Clark, D. 9—53509
McCrea, W.H. Albert Einstein, physicist (1879-1955) 9—67132
McCrea, W.H. Cosmology after Einstein 9—71165
McCready, W.A. *see* McCulloch, D. 9—70584
McCreery, G.E., Hendrix, C.E. RELAP4/MOD7/version 1 BWR spray cooling calculations compared with data 9—49730
McCreless, T.G. *see* Lois, L. 9—67811
McCrory, R. *see* Yaakobi, B. 9—54598
McCrory, R.A. *see* Krehbiel, P.R. 9—79938
McCrudden, M. On the nth root set of an element in a connected semisimple Lie group 9—93308
McCrum, N.G. *see* Chen, F.C. 9—95075
McCubbin, N.A. *see* Albrow, M.G. 9—75805
McCue, K.F. The value of historical records. The Warrnambool earthquake of July 1903 9—92506
McCullagh, C.M. *see* Stelts, M.L. 9—54440
McCulloch, D., Robinson, J.E., Cheung, A.Y., Harrison, G.H., McCready, W.A. Response of a model mouse cancer to free-field microwave hyperthermia 9—70584
McCulloch, M.G. *see* Gardner, F.F. 9—53719
McCullough, E.A., Jr. *see* Christiansen, P.A. 9—76357
McCullough, E.C. Potentials of computed tomography in radiation therapy treatment planning 9—88174
McCulluch, D. *see* Ojha, S.M. 9—99458
McCune, R.C., Chelgren, J.E., Wheeler, M.A.Z. $^4He^+$ ion scattering spectrometry of tantalum oxide below 1.0 keV 9—83088
McCurdy, C.W., Meyer, H.D., Miller, W.H. Classical model for electronic degrees of freedom in nonadiabatic collision processes: pseudopotential analysis and calculations for $F(^2P_{1/2})+H^+$, $Xe—F(^2P_{3/2})+H^+$, Xe 9—64062
McCurdy, K.G. *see* Cerutti, P.J. 9—70359
McCurrie, R.A., Willmore, L.E. Barkhausen discontinuities, nucleation, and pinning of domain walls in etched microparticles of $SmCo_5$ 9—87288
McCusker, M. The rare gas excimers 9—81417
McCutchan, M.H. A model for predicting synoptic weather types based on model output statistics 9—70856
McCutcheon, S. Scanning electron microscope 9—49348
McCutcheon, S. Fusion research 9—49839
McCutcheon, S. Rideau Falls renewable energy exhibit 9—52889
McCutcheon, S. Solar cells. Converting sunlight into electricity 9—74514
McDaniel, B.D. The US high energy accelerator projects CESR, PEP, Doubler-Tevatron, and ISABELLE 9—72038
McDaniel, D.H. *see* DeFrees, D.J. 9—91987
McDaniel, E.W. *see* Eisele, F.L. 9—86552, 9—86553
McDaniel, E.W. *see* Thackston, M.G. 9—68896
McDaniel, F.D., Toten, A., Peterson, R.S., Duggan, J.L., Wilson, S.R., Gressett, J.D., Miller, P.D., Lapicki, G. Projectile-charge-state dependence of target L-shell ionization by 1.86-MeV/amu fluorine and silicon ions and 1.8-MeV/amu chlorine ions 9—69907
McDaniel, F.D. *see* Button, T.M. 9—49975
McDaniel, F.D. *see* Mehta, R. 9—59549
McDaniel, J.P. *see* Fisher, C.H. 9—89890
McDaniel, M.J. *see* Monson, L.R. 9—97874
McDaniel, P.J. *see* Farnsworth, A.V., Jr. 9—64622
McDaniel, P.J. *see* McKenzie, J.M. 9—85679
McDaniels, D.K. *see* Ray, L. 9—63669
McDavid, J.M. *see* Wang, T.T. 9—87466
McDermid, I.S. *see* Clyne, M.A.A. 9—50077, 9—94029
McDermott, J.C. *see* Kizakevich, P.N. 9—70668
McDermott, W.E., Benard, D.J. SeO chemiluminescence induced by the reaction of selenium vapors with discharge oxygen 9—79254
McDermott-Ehrlich, D. *see* Young, D.R. 9—88010
MacDiarmid, A.G. *see* Chiang, C.K. 9—65466
MacDiarmid, A.G. *see* Fincher, C.R., Jr. 9—73979
MacDiarmid, A.G. *see* Heilmann, I.U. 9—95103
MacDiarmid, A.G. *see* Moses, D. 9—86864
MacDiarmid, A.G. *see* Ozaki, M. 9—95474
MacDiarmid, A.G. *see* Park, Y.W. 9—56271
MacDiarmid, A.G. *see* Salaneck, W.R. 9—98150
MacDiarmid, A.G. *see* Weinberger, B.R. 9—95566
McDiarmid, D.R. Comment on 'A generation mechanism for Pc5 micropulsations in the morning sector' by Gordon Rostoker and Hing-Lan Lam 9—84595
McDiarmid, I.B., Burrows, J.R., Wilson, M.D. Large-scale magnetic field perturbations and particle measurements at 1400 km on the dayside 9—75044
McDonald, A.B. *see* Freedman, S.J. 9—67703
MacDonald, A.H. Density-functional approximation for the quasiparticle dynamics of Rb 9—60682
Macdonald, A.H. *see* Liu, K.L. 9—56497
MacDonald, A.H. *see* Wilk, L. 9—95569
Macdonald, B. *see* Kwok-Cheong Tam 9—66535
McDonald, B.E. *see* Ossakow, S.L. 9—53643
McDonald, C., Duncan, H.J. Atmospheric levels of trace elements in Glasgow 9—88024
McDonald, C. *see* Izquierdo, M. 9—58079
McDonald, C. *see* Rubio, R. 9—58135
MacDonald, C.A. *see* Domb, E.R. 9—73646
MacDonald, D.A. On steady flow through modelled vascular stenoses 9—70563
MacDonald, D.B., Shaffer, C.F., Blocker, T.G., III, Vail, R.C. Development of a two-step E-beam lithography process for submicron surface acoustic wave (SAW) device fabrication 9—55281
Macdonald, D.D. A method for estimating impedance parameters for electrochemical systems that exhibit pseudoinductance 9—66303
Macdonald, D.D., Syrett, B.C., Wing, S.S. The use of potential-pH diagrams for the interpretation of corrosion phenomena in high salinity geothermal brines 9—96191
McDonald, F.A. Photoacoustic determination of small optical absorption coefficients: extended theory 9—71533
McDonald, F.B., Schardt, A.W., Trainor, J.H. Energetic protons in the Jovian magnetosphere 9—101111
Macdonald, G.H. *see* Little, L.T. 9—84840
Macdonald, G.H. *see* White, G.J. 9—88725
McDonald, I.R. *see* Klein, M.L. 9—86667
MacDonald, J., Dwyer, D., Ferris, J., McGurk, H. A simple procedure for accurately manipulating face-voice synchrony when dubbing speech onto videotape 9—68503
Macdonald, J.A. *see* Sperry, W.C. 9—94111
MacDonald, J.C. Ion chromatography 9—79336
MacDonald, J.C.F. *see* Sutherland, R.M. 9—62271
McDonald, J.F. *see* Kraft, R.P. 9—59897
McDonald, J.F. *see* Tiersten, H.F. 9—55303
McDonald, J.M. *see* Tilbury, R.S. 9—53245
McDonald, J.R. *see* Baronavski, A. 9—52726
McDonald, J.R. *see* Drozdoski, W.S. 9—83489
Macdonald, J.R. *see* Ellsworth, L.D. 9—50123
Macdonald, J.R. *see* Franceschetti, D.R. 9—51670
Macdonald, J.R. *see* Hagmann, S. 9—72390
Macdonald, J.R. *see* Rodbro, M. 9—76510
Macdonald, J.R. *see* Tawara, H. 9—83060
McDonald, K.T. *see* Anderson, K.J. 9—67612
McDonald, K.T. *see* Branson, J.G. 9—89211
McDonald, K.T. *see* Hogan, G.E. 9—63552
McDonald, K.T. *see* Newman, C.B. 9—63553
McDonald, L. *see* Steph, N.C. 9—54966
MacDonald, N. *see* Jengo, J.A. 9—74749
MacDonald, P.E., Broughton, J.M., Spore, J.W. An evaluation of the thermal-hydraulic and fuel rod thermal and mechanical deformation behavior during the first power burst facility nuclear blowdown tests 9—81024
McDonald, P.F. *see* Uhrich, D.L. 9—71168
McDonald, R.E. *see* Perez, J.D. 9—60541
McDonald, R.J., Draper, J.E. In-beam electron conversion from high-spin states in ^{203}Pb 9—93554
McDonald, R.J. *see* Schoen, N.C. 9—89305
MacDonald, R.J. *see* Taglauer, E. 9—89762
McDonald, R.J. *see* Vogel, J.M. 9—53218
McDonald, S.A., Andrews, L. Infrared spectrum and structure of the isolated HF_2^- ion in solid argon 9—63996
McDonald, S.W., Kaufman, A.N. Spectrum and eigenfunctions for a Hamiltonian with stochastic trajectories 9—54013
McDonald, T.B., III, Uman, M.A., Tiller, J.A., Beasley, W.H. Lightning location and lower-ionospheric height determination from two-station magnetic field measurements 9—70845
Mcdonald, T.H. *see* Cunningham, A.D. 9—57797
McDonald, W.E., Bull, G.L., Edgerton, M.T., Bralley, R.C. Biomedical measurement of hypernasal speech 9—83804
McDonald, W.E. *see* Bull, G.L. 9—70560
McDonald, W.I. *see* Smith, K.J. 9—83753
McDonald, W.J. *see* James, A.N. 9—93614
McDonald, W.J. *see* Kitching, P. 9—67755
MacDonald, W.M. Statistical significance of spreading widths for doorway states 9—93588
MacDonald, W.M. *see* Dressler, E.T. 9—89292
McDonell, W.R. Control of microstructural damage produced by helium in $^{238}PuO_2$ pellets 9—67926
McDonnell, D.G. *see* Gray, G.W. 9—90543
McDonough, R.R. *see* Barnes, W.P., Jr. 9—59855
McDonough, T.R. *see* Swartz, W.E. 9—75140
MacDoran, P.F. Satellite Emission Radio Interferometric Earth Surveying SERIES—GPS geodetic system 9—100804
MacDoran, P.F. *see* Niell, A.E. 9—79722
McDougall, I.L. Scale effects in filamentary niobium tin diffusion couples 9—56462
McDougall, I.L. The effect of diffusion couple tin content on the superconductivity of filamentary niobium tin composites 9—61009
Macdougall, J.D., Phinney, D. Magnesium isotopic variations in hibonite from the Murchison meteorite: an ion microprobe study 9—58305
MacDougall, J.D. *see* Kerridge, J.F. 9—58303, 9—80282
McDougall, T.J. On the elimination of refractive-index variations in turbulent density-stratified liquid flows 9—77215
McDowell, C.A. *see* Chacko, V.P. 9—87330
McDowell, C.A. *see* Fujimoto, M. 9—65765
McDowell, C.A. *see* Lalowicz, Z.T. 9—73827
McDowell, F.W. *see* Roden, M.F. 9—66668
McDowell, K. Pair theory and reduced Green's functions 9—54774
McDowell, K. Differential equation formulation of corrections to an incomplete basis set 9—63890
McDowell, M.W., Bezuidenhout, D.F., Chinnery, D.N.W. Design and application of a V(λ) interference filter 9—76843
McDowell, M.W., Bouwer, H.K., Frazer, W., Diering, R.L., Wojtowicz, T., Martin, S. Optical properties of some 8×30 binoculars 9—72655
McDowell, M.W. *see* Hoffman, N.J. 9—85785
McDowell, R.S. Frequency analysis of the circumzenithal arc: Evidence for the oscillation of ice-crystal plates in the upper atmosphere 9—96822
McDowell, R.S., Patterson, C.W., Jones, C.R., Buchwald, M.I., Telle, J.M. Spectroscopy of the CF_4 laser 9—94218
McDowell, R.S. *see* Coleman, W.F. 9—50043
McDowell, R.S. *see* Fox, K. 9—94036
McDowell, S.C.T. Safeguards and nonproliferation 9—81102
Mcdowell, S.E., Rossby, H.T. Mediterranean water: an intense mesoscale eddy off the Bahamas 9—74902
MacDowell, S.W. *see* Bars, I. 9—49148
McDowell, W.L. *see* Mazzucato, M. 9—89148
McDowell-Boyer, L.M. *see* Travis, C.C. 9—85824
McDuff, R.E., Ellis, R.A. Determining diffusion coefficients in marine sediments: a laboratory study of the validity of resistivity techniques 9—92601
Mace, B.R. The evaluation of infinite sums with special reference to the response of a simply supported beam 9—86377
Mace, O.B. *see* Koga, R. 9—101063
McEachran, R.P., Stauffer, A.D., Greita, S. Polarisabilities and shielding factors for the noble gas isoelectronic sequences 9—98008
Macedo, P.B. *see* Simmons, J.H. 9—49708, 9—94375
Macek, J.H. *see* Briggs, J.S. 9—54803
Macek, M. *see* Krasevec, V. 9—56977
Macek, R. *see* Floyd, R. 9—72157
Macek, R.J., Hoffman, E.W., van Dyck, O.B. LAMPF primary beam line protection system 9—72014
Macek, R.J. *see* Anderson, R.E. 9—85502
Macek, R.J. *see* Hoffman, E.W. 9—72154
Macek, R.J. *see* van Dyck, O.B. 9—71994
McElearney, J.N., Balagot, L.L., Muir, J.A., Spence, R.D. Structural and magnetic properties of $Mn(SCN)_2(C_2H_5OH)_2$, a new two-dimensional Heisenberg magnet 9—60337
McElhinny, M.W. *see* Barton, C.E. 9—70786
McEligot, D.M. *see* Pickett, P.E. 9—59975
Macellari, V. *see* Barbaro, V. 9—57798
McElligott, J.G., Loughnane, M.H., Mays, L.E. The use of synchronous demodulation for the measurement of eye movements by means of an ocular magnetic search coil 9—74798
McEllistrem, M.T. *see* Coope, D.F. 9—53243, 9—54405
McEllistrem, M.T. *see* Haouat, G. 9—89230
McElroy, M.B. *see* Prather, M.J. 9—58008
McElroy, M.B. *see* Yung, Y.L. 9—58096
McEnnan, J. *see* Bechler, A. 9—64065

McEntire, B.J. *see* Miller, M.L. 9—87597
Macerata, A. *see* Chierchia, S. 9—62394
Maceroni, C., Persi, P., Spada, G. On the absence of ellipsoidal light variations in X Per 9—80337
McEuen, A., Tanabe, E., Vaguine, V., Williams, N. Temperature controlled cavity applicator for radio-frequency wave irradiation of mammalian cells in vitro 9—100802
McEvily, A.J. *see* Suzuki, H. 9—61718
McEvoy, J.G. Electricity, knowledge, and the nature of progress in Priestley's thought 9—84930
McEwan, A.C. Theoretical determination of scatter factors at depths in walls of cylindrical chambers 9—49909
McEwan, A.D. *see* Plumb, R.A. 9—55396
McEwan, M.J. *see* Freeman, C.G. 9—57221, 9—87828
McEwen, D.J. *see* Venkatarangan, P. 9—62642
McEwen, I.J. *see* Cowie, J.M.G. 9—90789
McEwen, K.A. Magnetic and transport properties of the rare earths 9—69658
McEwen, K.A. *see* Hauschultz, M. 9—60816
McEwen, K.A. *see* Lebech, B. 9—73687
MacEwen, S.R., Causey, A.R. Analysis of the interaction of fuel channels with the end shields in CANDU reactors 9—59161
McFadden, D.L. *see* Sridharan, U.C. 9—83445
McFadden, R.G. *see* King, G.W. 9—89687
Macfall, J.R., Ellsworth, R.W., Ito, A.S., Siohan, F., Streitmatter, R.E., Tonwar, S.C., Viswanath, P.R., Yodh, G.B. A new measurement of $\sigma_{p\text{-}Fe}^{inel}$ and $\sigma_{\pi\text{-}Fe}^{inel}$ at high energies 9—49549
MacFall, J.R., Ellsworth, R.W., Ito, A.S., Siohan, F., Streitmatter, R.E., Tonwar, S.C., Viswanath, P.R., Yodh, G.B. Neutral to charged ratio for unaccompanied high-energy cosmic-ray hadrons at mountain altitude 9—62698
MacFall, J.R. *see* Goodman, J.A. 9—62697, 9—66897, 9—75065
McFarland, M., Kley, D., Drummond, J.W., Schmeltekopf, A.L., Winkler, R.H. Nitric oxide measurements in the equatorial Pacific region 9—100893
McFarland, W.H. *see* Vivion, M.C. 9—100632
McFarland, W.J., Jr. Inexpensive pocket-sized electromyographic feedback device 9—96706
McFarland, W.J., Jr., Condos, S.G., Mitlak, B.H., Geha, A.S. Regional myocardial perfusion measured by hydrogen washout 9—92459
McFarland, W.J., Jr. *see* Fabbri, R., Jr. 9—83997
MacFarlane, A.J. Generalizations of σ-models and CP^N models, and instantons 9—49377
Macfarlane, A.J. The SU(N+1)σ model or CP^N model as a non-linear realization of SU(N+1) symmetry 9—58871
Macfarlane, A.J. *see* Liggatt, P.A.J. 9—80491
McFarlane, H.C.E., McFarlane, W. The ^{119}Sn-^{117}Sn primary isotope effect on tin magnetic shielding 9—72338
McFarlane, H.F. *see* Collins, P.J. 9—81035
McFarlane, H.F. *see* Lineberry, M.J. 9—59122
Macfarlane, J.C., Collins, H.C. The low-temperature resistivity of platinum-rhodium alloys 9—60787
McFarlane, K., McGill, N.C. Simulation of the Compton effect by reflection from a moving mirror 9—67561
Macfarlane, R.M. *see* Shelby, R.M. 9—87491
McFarlane, S.C., Prins, D. Neural response time of stutterers and nonstutterers in selected oral motor tasks 9—96585
McFarlane, W. *see* McFarlane, H.C.E. 9—72338
McFeely, F.R. *see* Sherwood, P.M.A. 9—95901
McGarr, A., Green, R.W.E. Microtremor sequences and tilting in a deep mine 9—84125
McGarr, A., Spottiswoode, S.M., Gay, N.C., Ortlepp, W.D. Observations relevant to seismic driving stress, stress drop, and efficiency 9—84152
McGarvey, B.R. An anisotropic Fermi interaction and isotropic dipolar interaction? A study of the ^{19}F hyperfine interaction of Yb^{3+} in $KMgF_3$ 9—78056
McGarvey, B.R. Temperature dependence of the pseudocontact shift in lanthanide shift reagents 9—95659
McGee, I.J. *see* Klemm, A.D. 9—55443
McGee, R.X. *see* Shaver, P.A. 9—88726
McGee, T. *see* Ryan, A. 9—96564
McGee, T.J., McIlrath, T.J. Stratospheric temperature and pressure determinations from an OH fluorescence lidar instrument 9—80033
McGeehin, P. *see* Slade, R.C.T. 9—87329
McGeoch, M.W. Scaling laws for plasma production and pellet acceleration by laser 9—55527
McGeorge, J.C., Shotter, A.C., Branford, D., Reid, J.M. The mass and kinetic energy distributions in the fission of ^{237}Np, ^{232}Th, ^{238}U, ^{235}U and ^{209}Bi induced by 110 MeV electrons 9—93672
McGeorge, J.C. *see* Flowers, A.G. 9—85459
McGeorge, J.C. *see* Pringle, J.S. 9—89296
McGetchin, T.R., Burke, K., Thompson, G., Young, R. Plateau uplifts: mode and mechanism 9—92517
McGetchin, T.R., Chouet, B.A. Energy budget of the volcano Stromboli, Italy 9—70774
McGettrick, A.D. Mathematics by computer-assisted learning (CAL)—the real problems 9—80401
McGhie, A.R. *see* Schein, L.B. 9—51645
McGill, G.E. *see* Wise, D.U. 9—75134
McGill, J., Wilson, J.I.B. The interfacial layer in MIS amorphous silicon solar cells 9—57425
McGill, J., Wilson, J.I.B. Optical absorption in glow discharge amorphous silicon films 9—87518
McGill, N.C. *see* Lee, R.C. 9—78218
McGill, N.C. *see* McFarlane, K. 9—67561
McGill, T.C. *see* Baron, R. 9—51512
McGill, T.C. *see* Chang, Y.-C. 9—60729
McGill, T.C. *see* Schulman, J.N. 9—72634, 9—95485
McGillem, C.D. *see* Anuta, P.E. 9—66844
McGillem, C.D. *see* Sencaj, R.W. 9—92414
McGillivary, P.A. *see* Requejo, A. 9—92098
McGilp, J.F., Parke, A.W. Angle-resolved UPS of GaS, GaSe, and $GaS_{0.6}Se_{0.4}$ 9—100022
McGilvery, D.C., Morrison, J.D., Smith, D.L. Laser induced photodissociation of O_2^+ 9—68280
McGilvery, D.C. *see* Yost, R.A. 9—67419
McGimsey, B.Q. *see* Miller, H.R. 9—71130
McGinley, F.E. Thorium resources and their recovery 9—59170
McGinley, P.H., Fenn, J.O., White, T.A., Jr. Leakage neutrons produced by 10 MeV medical accelerators 9—70643
McGinn, J.T., Goodman, A.M. The effects of oxygen doping and subsequent annealing in nitrogen on the structure of polycrystalline silicon 9—69371
McGinness, J. *see* Kono, R. 9—77688
McGinnis, L.D., Wolf, M.G., Kohsmann, J.J., Ervin, C.P. Regional free air gravity anomalies and tectonic observations in the United States 9—57906
McGinnis, M.R. *see* Ewbank, W.B. 9—80862
McGlynn, J.C. *see* Irving, E. 9—84101
McGlynn, T.A. *see* Spitzer, L., Jr. 9—92824
McGonnagle, W.J. *(editor)* International advances in nondestructive testing, vol.6 9—100321
McGovern, I.T., Williams, R.H., Parke, A.W. The electronic structure of MoS_2 and α-$MoTe_2$ by photoelectron spectroscopy using line and synchrotron sources 9—87560
McGovern, I.T. *see* Williams, C.P. 9—74063
McGovern, J.M., Keyes, W.I., Brown, L.D. Reducing electron contamination of cobalt-60 teletherapy beams 9—92330
McGow, R. *see* Blietschau, J. 9—93396
McGowan, J.A., Hayward, T.L. Mixing and oceanic productivity 9—57972
McGowan, J.C. Estimates of the properties of liquids 9—51232
McGowan, J.W. *see* Mul, P.M. 9—54981
McGrath, J.J., Cravalho, E.G., Huggins, C.E. A model for the hemolysis kinetics of human erythrocytes 9—92191
McGrath, P.B., Nelson, J.K. A divergent field study of prebreakdown events in n-hexane 9—91371
McGrath, P.B. *see* Nelson, J.K. 9—91361
McGrath, R.L. *see* Geesaman, D.F. 9—67631
McGraw, J. *see* Crampton, D. 9—80327
McGraw, J. *see* Glass, I.S. 9—58346
McGraw, R., Riess, H. Nucleation near a critical temperature 9—80553
MacGregor, A.W.K. Economic use of materials in the design of solar water-heating collector plates of the pipe and fin type 9—62050
McGregor, C.B. *see* Cameron, I.G. 9—68771
McGregor, J., Chapman, W.A. Stratospheric temperatures and geostrophic winds during 1973-1974 9—79976
McGregor, J. *see* Brinkman, A.W. 9—70992
MacGregor, K.B., Hartmann, L., Raymond, J.C. Radiative amplification of sound waves in the winds of the O and B stars 9—96999
McGregor, K.G., Calvin, M., Otvos, J.W. Photoeffects in Fe_2O_3 sintered semiconductors 9—51669
MacGregor, M.H. Interpretation of p-p Dibaryon resonances at 2140, 2260, and 2430 MeV 9—75781
McGregor, R.D. *see* Elliott, J.P. 9—98757
McGrory, J.B., Raman, S. Shell structure of collective states in ^{56}Fe, ^{58}Fe, and ^{60}Fe 9—93494
McGuigan, J.A.S. *see* Beeler, G.W. 9—84056
McGuire, D. Source coherence and far-field intensity patterns 9—55053
McGuire, E.J. Configuration interaction effects on the odd parity levels of SI 9—72246
McGuire, E.J. Photoionization of the $(np)^4\ ^1S_0$ level of the group-VI atoms via autoionizing levels 9—76398
McGuire, E.J. Scaled electron ionization cross sections in the Born approximation for atoms with $55 \leq Z \leq 102$ 9—94089
McGuire, G.E., Wisseman, W.R., Ragle, R.D., Tregilgas, J.H. Investigation of the Ag-In-Ge system used for alloyed contacts to GaAs 9—78174
McGuire, G.E. *see* Holloway, P.H. 9—65253
McGuire, J.C., Brehm, W.F. A radionuclide trap for liquid-metal-cooled reactors 9—93768
McGuire, J.H., Land, D.J., Brennan, J.G., Basbas, G. Probabilities of 2s-2p excitation ion-atom collisions 9—86058
McGuire, J.J. *see* Albrecht, R.W. 9—97962
McGuire, P., Bellum, J.C. Electronic-to-vibrational energy transfer in collisions of excited sodium with molecular hydrogen 9—98203
McGuire, T.R., Taylor, R.C. Magnetization and Hall effect in amorphous alloys containing Mn 9—73692
McGunigal, T.E. *see* Bufton, J.L. 9—100945
McGurk, H. *see* MacDonald, J. 9—68503
McGurk, N.J. *see* Sofianos, S. 9—71801
McGurn, A.R. Critical temperature of randomly diluted Heisenberg spin systems with anisotropic exchange couplings 9—99702
McGurn, A.R., Thorpe, M.F. The dynamics of very dilute Heisenberg systems 9—78409
Mach, R. *see* Balestra, F. 9—85437
Mach, R. *see* Falomkin, I.V. 9—85376
Mach, R. *see* Gmitro, M. 9—76040
Mach, W.H., Fraser, A.B. Inversion of optical data to obtain a micrometeorological temperature profile 9—80034
Machacek, M. A quantum mechanical description of the transfer of radiation. I. The radiation processes 9—53713
Machacek, M. The quantum mechanical description of the transfer of radiation. II. The equation of transfer 9—80546
Machacek, M. *see* Ellis, R.K. 9—58927
Machado, J.F.C. *see* Bonelli, E. 9—86853
Machado, L.E. *see* Debehogne, H. 9—58293, 9—101117
Machado, L.E.S. *see* Debehogne, H. 9—70985
Machaj, B., Zrodelny, F., Jaszczuk, J. Pulse processing automatic gain control circuit for photomultiplier tube 9—97955
McHale, J., Simons, J. Line shapes of charge-transfer spectra 9—78700
Machalek, M.D., Meyer, E.A., Price, L.S. The FMIT accelerator vacuum system 9—71993
Machali, F., Al-Musallam, S.H., Fagieh, M., Babateen, M.O., Bargawi, A. Photoelectric cross section derived from the measured total interaction cross section in the energy region 187 to 662 keV 9—69952
Machalica, P. *see* Porebski, S. 9—88981, 9—95498
Machalski, J. The Green Bank second (GB2) survey of extragalactic radio sources at 1400 MHz. The catalogue of sources 9—62761
Macharadze, T.S., Mikhelashvili, T.Ya. Structure of ^{12}C in the α-cluster model 9—75825
McHardy, I.M. 4C radio sources in clusters of galaxies. III 9—88756
McHarris, W.C. *see* DiStasio, M. 9—58489
MacHattie, L.E. The transistor as an anemometer 9—71420
Machavariani, S.K. *see* Aseikin, V.S. 9—80162
Machbitz, M., Budiman, B., Roberts, Y.Y., Senkan, S.M., Han, J.T. Radiation heat transfer in a 19-pin sodium-voided bundle 9—85596
Machen, D.R. Front-end data processing using the bit-sliced microprocessor 9—89566
Machen, D.R. *see* Kozlowski, T. 9—89565
Macherauch, E. *see* Han-Jong Yu 9—66075
Machholz, D. Comet Bradfield (1979c) 9—80274
Machida, K., Kagayama, A., Saito, Y. Polarized Raman spectra and intermolecular potential of α-glycine-C-d_2 and DL-alanine-α,β-d_4 crystals 9—91432
Machida, K., Lee, H., Uno, T. Resonance Raman spectra of sulfophthalein dyes in aqueous solutions 9—89678
Machida, K., Matsubara, T. Magnetic instability in superconductivity 9—99656
Machida, K., Youngner, D. Superconductivity of ternary rare-earth compounds 9—69617
Machida, K., Youngner, D. A theory of superconductivity in ternary rare-earth compounds. II 9—73628
Machida, M., Shibutani, M., Murayama, Y., Matsumoto, M. ZnO piezoelectric films formed by RF reactive ion-plating 9—83140
Machida, M. *see* Hayashi, M. 9—99833
Machida, S., Tsuchiya, H., Kawana, A., Ishihara, K. Interference of an AlGaAs laser diode using a 4.15 km single mode fiber cable 9—81535
Machida, S., Yamada, J., Mukai, T., Horikoshi, Y., Tsuchiya, H., Miya, T. 1.5 μm optical transmission experiments using very low-loss single-mode fibres 9—50385
Machida, S. *see* Yamada, J. 9—59812, 9—98418
Machleidt, R. *see* Anastasio, M.R. 9—75859
Machleidt, R. *see* Bleuler, K. 9—67576
Machlin, E.S. Vacant sites on the Ni sublattice in Al rich B2 Ni-Al and the p-d stabilization energy 9—60357
Machlin, E.S. A pair potential analysis of dilute solutions of hydrogen in transition metals, alloys and compounds: unrelaxed lattice model 9—65070
Machlin, E.S. *see* Shao, J. 9—60305, 9—78937
Machner, H. Pre-equilibrium decay into complex particle channels—analysis of double differential cross sections 9—93599
Machova, A. *see* Rikovska, J. 9—59031

Macht, M.-P., Frohberg, G., Wever, H. Self diffusion of vanadium 9—86917

Machta, J., Oppenheim, I., Procaccia, I. Light scattering and pair-correlation functions in fluids with nonuniform velocity fields 9—61389

Machula, R.S. Media and affect: a comparison of video-tape, audio-tape, and print 9—80403

Machurin, E.S. *see* Lonchin, G.M. 9—96126

Machwe, M.K. *see* Odak, S. 9—98139

Machwe, M.K. *see* Pandya, M.L. 9—76458, 9—91485

Maciejewski, W., Ferchmin, A.R. On surface and bulk magnetic phases in diluted Ising films with various surface orientations 9—82797

McIlrath, T.J. *see* Lucatorto, T.B. 9—89990, 9—98454

McIlrath, T.J. *see* McGee, T.J. 9—80033

McIlrath, T.J. *see* Mahon, R. 9—50306, 9—81482

McIlrath, T.J. *see* Sugar, J. 9—59390

McIlroy, D.K. Analysis of potassium conductance in squid giant axons 9—96543

McIlwain, A. *see* Anderson, J. 9—54646

McIlwain, C. *see* Gurgiolo, C. 9—80085

McIlwain, C.E. *see* Lin, C.S. 9—101027

McIlwain, C.E. *see* Meng, C.-I. 9—101008

McIlwain, J.S. *see* Robinson, K.L. 9—79509

McInally, C.J. *see* Desikachary, K. 9—71053

McInnes, J.A., Butcher, P.N. Numerical calculations of DC hopping conductivity 9—60832

McInnes, J.A. *see* Butcher, P.N. 9—82591, 9—95413

MacInnes, W.M., Probst, P.A., Huguenin, R. Electron-electron scattering in cadmium 9—60821

McInnis, B.C. *see* Berkstresser, B.K. 9—96658

McIntire, L.V. *see* Pearson, J.R.A. 9—90206

McIntire, W.R. *see* Graven, R.M. 9—61998

McIntire, W.R. *see* Matcha, R.L. 9—94038

McIntosh, A.I. *see* Nutt, G.F. 9—50097

McIntosh, C.B.G. Symmetry mappings in Einstein-Maxwell space-times 9—49139

McIntosh, G.E. *see* Boom, R.W. 9—60052

McIntosh, G.E. *see* Van Sciver, S.W. 9—58711

McIntosh, R.E. *see* Malaga, A. 9—84568

McInturff, A. *see* Bleser, E. 9—68089

McInturff, A.D., Bleser, E., Brown, D., Cullen, J., Dahl, P., Gardner, D., Kassner, D., Kaugerts, J., Robins, K., Sampson, W., Schewe, P., Velia, W. The design, construction, and operation update of the ISABELLE ring magnets 9—68088

McIntyre, A., Anderton, G.E. Fracture properties of a rigid polyurethane foam over a range of densities 9—79106

McIntyre, A. *see* Ruddiman, W.F. 9—66711

McIntyre, C.M., Churnside, J.H. Heterodyne receiver for visible radiation transmitted through the atmosphere 9—64183

McIntyre, C.M., Churnside, J.H. Diversity arrays for optical communications through atmospheric turbulence 9—86263

McIntyre, C.M. *see* Churnside, J.H. 9—66804, 9—81368

McIntyre, D.A. House walls as passive solar collectors: an assessment 9—87966

McIntyre, E.F., Hameka, H.F. Calculation of nonlinear susceptibilities of nitrogen-containing heterocycles and of nitriles 9—54786

Macintyre, F. On the temperature coefficient of PCO_2 in seawater 9—74903

McIntyre, H. Conflicting estimates create uncertainties for CANDU 9—85758

McIntyre, L.C., Jr. *see* Ryan, S.R. 9—86079

McIntyre, M.E., Weissman, M.A. On radiating instabilities and resonant overreflection 9—53433

McIntyre, M.E., Woodhouse, J. On the fundamentals of bowed-string dynamics 9—98566

McIntyre, N.S., Stanchell, F.W. Preferential sputtering in oxides and metals as revealed by X-ray photoelectron spectroscopy 9—87544

McIntyre, P. *see* Austen, I.M. 9—79172

McIntyre, P. *see* Benvenuti, A. 9—49508, 9—58951

McIntyre, P. *see* Cline, D.B. 9—68004

McIntyre, P.M. *see* Herrmannsfeldt, W.B. 9—72138

McIntyre, P.M. *see* Kells, W. 9—72147

McIntyre, R.J. Analytic models for West Coast storm surges, with application to events of January 1976 9—66743

McIsaac, P.R. A general reciprocity theorem 9—59614

Maciszewski, A., Trylinski, W. Temperature measurements in small-size plastic bearings 9—71449

McIver, Dzh., Fedorov, M.V. Quantum theory of stimulated processes in a free electron laser in strong fields 9—86155

McIver, J.K. *see* Fedorov, M.V. 9—76654

McIver, R.T., Jr. *see* DeFrees, D.J. 9—91987

Mack, B. *see* Harding, G.A. 9—70960

Mack, G.A. *see* Eikman, E.A. 9—83908

Mack, J.E., Pasto, A.E., Stinton, D.P., Suchomel, R.R., Angelini, P. Techniques for assurance of quality of Sphere-Pac fuel rods 9—93805

Mack, K.J. *see* Wild, E. 9—59176

Mack, R.N., Okazaki, R., Valastro, S. Bracketing dates for two ash falls from Mount Mazama 9—62473

Mackal, P. Jupiter 9—58295

McKane, A.J. Vacuum instability in scalar field theories 9—58872

Mackay, D. *see* Boocock, D.G.B. 9—87945

Mackay, D.C. *see* Connor, J.N.L. 9—76483, 9—79225, 9—89084

MacKay, D.M. Clues to the site of origin of the complementary image 9—70552

MacKay, D.M., Gerrits, H.J.M., Stassen, H.P.W. Interaction of stabilized retinal patterns with spatial visual noise 9—100620

McKay, D.W., Munczek, H.J. Neutral currents and quark mass ratio $m_u/m_d = m_s/m_c$ in an $SU(2)\times U(1)\times U(1)$ model 9—97563

MacKay, G.R. *see* Leiper, W. 9—78581

McKay, H.A.C. Chemical separation of the actinides 9—85699

MacKay, H.B. *see* Hamaker, H.C. 9—82730

MacKay, H.B. *see* Woolf, L.D. 9—73632

McKay, J.A., Bleach, R.D., Nagel, D.J., Schriempf, J.T., Hall, R.B., Pond, C.R., Manlief, S.K. Pulsed-CO_2-laser interaction with aluminium in air: Thermal response and plasma characteristics 9—86595

McKay, J.A., Schriempf, J.T. Transient heating of metals by microsecond-duration CO_2 laser pulses with air plasma ignition 9—69915

McKay, J.A., Schriempf, J.T. Transient surface heating of metals by CO_2 laser pulses with air-plasma ignition 9—98942

McKay, J.A. *see* Towle, L.C. 9—89955

Mackay, T.L. Fatigue crack propagation rate at low ΔK of two aluminum sheet alloys, 2024-T3 and 7075-T6 9—83291

McKean, D.C., Burger, H., Pawelke, G. Isolated CH stretching frequencies and bond properties in CH_3CF_3, $CH_2(CF_3)_2$ and $CH(CF_3)_3$ 9—94104

McKean, D.C. *see* Duncan, J.L. 9—59453

McKechnie, J.S., Turner, L.D.S., Vincent, C.A., Bonino, F., Lazzari, M., Rivolta, B. Silver mono-, di- and tetratungstates 9—99873

McKee, B.T.A. *see* Eldrup, M. 9—52039

McKee, B.T.A. *see* Lynn, K.G. 9—71888

McKee, J.D. *see* Schwarz, J. 9—97090

McKee, J.D.A., Geddes, J., Gilbody, H.B. Collisional de-excitation of 5-26 keV metastable hydrogen atoms 9—59546

McKee, J.S.C. *see* Al-Ghazi, M.S. 9—54226, 9—57312

McKee, J.S.C. *see* Anderson, J. 9—54646

McKee, J.S.C. *see* Birchall, J. 9—75995

McKee, J.S.C. *see* Gusdal, M.I. 9—54695

McKee, S. The analysis of a variable step, variable coefficient linear multistep method for solving a singular integro-differential equation arising from the diffusion of discrete particles in a turbulent fluid 9—77089

McKee, T.B. *see* Twomey, S. 9—88425

McKee, T.B. *see* Whiteman, C.D. 9—62550

McKee, T.J., Banic, J., Jares, A., Stoicheff, B.P. Operating and beam characteristics, including spectral narrowing, of a TEA rare-gas halide excimer laser 9—59715

McKee, T.J. *see* James, D. 9—59716

McKeever, M.R. *see* Hui, A.K. 9—64939

McKeith, C.D., Dufton, P.L., Kane, L. A Cassegrain echelle spectrograph 9—62749

MacKellar, A.D. *see* Becker, R.L. 9—72387

McKellar, A.R.W. Laser magnetic resonance spectroscopy of the ν_2 fundamental band of DO_2 at 9.8 μm 9—85961

McKellar, A.R.W. *see* Allegrini, M. 9—64039

McKellar, A.R.W. *see* Dale, R.M. 9—64207

McKellar, A.R.W. *see* Hills, G.W. 9—89694

McKellar, B.H.J. The ρ-exchange isovector parity-violating potential 9—93525

McKellar, B.H.J., Rajaraman, R. Many-body forces in nuclear physics 9—97670

McKellar, B.H.J. *see* Barrett, B.R. 9—75865

McKellar, B.H.J. *see* Blatt, D.W.E. 9—71359

McKellar, B.H.J. *see* Cass, A. 9—85333

McKellar, J.F. *see* Allen, N.S. 9—83008, 9—96341

McKellar, R.J. A connection approach to the Einstein-Maxwell field equations 9—88860

McKellar, R.J. Asymmetric connection treatment of the Einstein-Maxwell field equations 9—97266

McKelvie, J. *see* Walker, C.A. 9—86390

McKendree, F.S. *see* Fenlon, F.H. 9—90053

McKenna, G.B., Zapas, L.J. Nonlinear viscoelastic behavior of poly(methyl methacrylate) in torsion 9—61640

McKenna, J. *see* Williams, I.H. 9—93977

McKenna, J.M. *see* Logothetis, A.L. 9—51950

McKenna, K.F. *see* Commisso, R.J. 9—82088

McKenna, T.J. *see* Wantenaar, G.H.J. 9—61072

McKenna-Lawlor, S.M.P. The proton solar flare of July 16, 1959 as a composite of plage and prominence flaring 9—75173

Mackenthun, M.L., Tom, R.D., Moore, T.A. Lobster shell carotenoprotein organisation in situ studied by photoacoustic spectroscopy 9—62192

Mackenzie, A.B., Bazter, M.S., McKinley, I.G., Swan, D.S., Jack, W. The determination of ^{134}Cs, ^{137}Cs, ^{210}Pb, ^{226}Ra and ^{228}Ra concentrations in nearshore marine sediments and seawater 9—88370

McKenzie, A.L. Air-gap correction in electron treatment planning 9—53254

Mackenzie, A.P. *see* Hutchinson, T.E. 9—92454

McKenzie, D. Finite deformation during fluid flow 9—92519

McKenzie, D.R. *see* Perrins, W.T. 9—79408

Mackenzie, E.C. *see* Davies, P.G. 9—84333

MacKenzie, E.M. *see* Aarons, J. 9—58182

Mackenzie, G.A., Overell, J.S.W., Pawley, G.S. Transitions in the benzene-fluorobenzene system 9—91449

Mackenzie, G.A., Pawley, G.S. A neutron scattering study of DCN 9—95097

Mackenzie, G.A. *see* Carneiro, K. 9—95393

Mackenzie, G.H. Beam diagnostic techniques for cyclotrons and beam lines 9—54731

Mackenzie, G.H. *see* Beveridge, J.L. 9—72059

Mackenzie, G.H. *see* Blackmore, E.W. 9—54699, 9—54710, 9—72060

MacKenzie, H.A. *see* Mozolowski, M.H. 9—72571

Mackenzie, I. *see* Willmott, F.W. 9—52794

Mackenzie, I.S. *see* McCausland, M.A.H. 9—91299

Mackenzie, J.D. *see* Baldwin, C.M. 9—66033

Mackenzie, J.D. *see* Makishima, A. 9—66394

Mackenzie, J.D. *see* Matusita, K. 9—51284, 9—66180

Mackenzie, J.D. *see* Murawski, L. 9—65479

McKenzie, J.F., Ip, W.-H., Axford, W.I. The acceleration of minor ion species in the solar wind 9—96876

McKenzie, J.H. *see* Gregg, M.G. 9—84289

McKenzie, J.M. Development of the semiconductor radiation detector 9—68153

McKenzie, J.M., McDaniel, P.J., Holmes, J.P., Gillman, L.K., Schmitz, J.A. Surveillance instrumentation for spent-fuel safeguards 9—85679

Mackenzie, K. *see* Hastings, I.J. 9—74184, 9—93808

Mackenzie, K.J.D., Hosseini, G. Effect of electric fields on the transformation of gamma to alpha alumina 9—52209

McKenzie, S. The exponent-γ for the spin-$^1/_2$ Ising model on the face-centred cubic lattice 9—73656

McKenzie, S. Extended high temperature low field expansions for the Ising model 9—93045

McKenzie, S. Self-avoiding walks on the face-centred cubic lattice 9—93048

McKenzie, S. *see* Gaunt, D.S. 9—61024

McKeon, G. Spontaneous symmetry breakdown induced by quantum effects 9—63379

McKeon, G. Energy of a spin-$^1/_2$ particle in a constant coloured magnetic field 9—80742

McKeown, J. Beam position monitor using a single cavity 9—72155

McKeown, J. Design of a new accelerating structure for high current beams 9—93862

McKeown, J. *see* McMichael, G.E. 9—67992

MacKeown, P.K. *see* Aguirre, C. 9—62699

McKerrell, A. *see* Kermode, M.W. 9—67575

McKerrell, A. *see* Kermode, N.W. 9—67583

Mackey, J.H., Pattison, V.A., Pawlak, J.A. Diol sequencing in copolyesters 9—52657

McKibben, J. *see* Nagle, D.E. 9—63499

Mackie, P.R. *see* Platt, H.M. 9—92096

McKillop, J.H. *see* Fogelman, I. 9—83904

McKillop, J.S. *see* Brooks, P.R. 9—98198

McKimpson, M. *see* Pishko, R. 9—100076

Mackin, J.E. *see* Owen, R.M. 9—57978

McKinlay, A.F., Clark, I.E., Jones, G.J. Thermoluminescence dosimetry in medicine and biology—NRPB specialised TLD service 9—74762

McKinlay, A.F. *see* Harlen, F. 9—57708

McKinley, A., Williams, R.H., Parke, A.W. An investigation of thin silver films on cleaved silicon surfaces 9—77934

McKinley, I.G. *see* Mackenzie, A.B. 9—88370

McKinley, J.M. Relativistic transformations of light power 9—84887

McKinley, J.M., Doherty, P. In search of the 'starbow': the appearance of the starfield from a relativistic spaceship 9—62955

McKinley, K.B., McKinney, J.D. Retrieval of buried transuranic waste at the Idaho National Engineering Laboratory 9—49719

McKinley, R.L. Voice communication research and evaluation system 9—81662

McKinley, W.G. Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer 9—58799

McKinley, W.G. Simultaneous observation of multiple monochromatic images with an imaging selective modulation interferometric spectrometer 9—75611

McKinney, J.D., Hopper, J.E. Engineering study for an equipment system for retrieval/handling of buried transuranic waste 9—89415

McKinney, J.D. *see* McKinley, K.B. 9—49719

McKinney, K.R., Mecholsky, J.J., Freiman, S.W. Delayed failure in chemically vapor deposited ZnSe 9—99462

MacKinnon, A. Comment on 'Raman scattering of the ordered vacancy compound $CdGa_2Se_4$' 9—95749
Mackinnon, D.J., Brannen, J.M., Kerby, R.C. The effect of lead on zinc deposit structures obtained from high purity synthetic and industrial acid sulphate electrolytes 9—56090
Mackinnon, D.J., Brannen, J.M., Kerby, R.C. The effect of cadmium on zinc deposit structures obtained from high purity industrial acid sulphate electrolyte 9—56091
Mackinnon, I.D.R., Buseck, P.R. New phyllosilicate types in a carbonaceous chondrite matrix 9—80285
McKinnon, W.R. *see* Berlinsky, A.J. 9—77580
Mackintosh, B. *see* Hari Rao, C.V. 9—61982
Mackintosh, R.S., Kobos, A.M. L-dependent optical potentials: what experiment tells us about local density models 9—93583
Macklem, P.T. *see* Gross, D. 9—88069
Macklin, J.W., Street, G.B., Gill, W.D. Infrared spectra of $(SN)_x$ and brominated $(SN)_x$ 9—56781
Macklin, R.L., Halperin, J., Winters, R.R. $^{104,105,106,108,110}Pd(n,\gamma)$ cross sections above 2.6 keV 9—80933
Macklin, R.L., Halperin, J., Winters, R.R. Absolute neutron capture yield calibration 9—80935
Macklin, R.L., Ingle, R.W., Halperin, J. $^6Li(n,\alpha)T$ cross section from 70 to 3000 keV from the $^{235}U(n,f)$ calibration of a thin glass scintillator 9—85471
Macklin, R.L. *see* Musgrove, A.R. de L. 9—93610
Macklin, R.L. *see* Perez, R.B. 9—93590
Macklin, R.L. *see* Weigmann, H. 9—89278
McKlveen, J.W. Fast neutron activation analysis in multidisciplinary studies 9—52807
McKlveen, J.W., Uselman, J. Radioisotope-powered photovoltaic generator 9—57432
McKlveen, J.W. *see* Quihuis, R.A. 9—52849
McKnight, J.D. A design method for solar water-heating systems 9—83629
McKnight, R.D. Validation results for the SDX cell homogenization code for pin geometry 9—80997
McKnight, R.D. *see* Bhattacharyya, S.K. 9—81036
McKnight, S.W., Bean, B.L., Perkowitz, S. Far-infrared laser spectroscopy of V_3Si 9—61453
McKnight, S.W., Perkowitz, S., Tanner, D.B., Testardi, L.R. Far-infrared measurements of Holstein processes and low-energy $\alpha_{tr}{}^2F(\omega)$ structure in V_3Si 9—87445
Macknight, W.J. *see* Neumann, R.M. 9—69772
McKnight, W.M. *see* Davis, G.R. 9—87984
Macko, P. *see* Durny, R. 9—82872
Mackova, V. *see* Durny, R. 9—82872
Mackova, V. *see* Krempasky, J. 9—65422
Mackowiak, J., Short, N.R. Metallurgy of galvanized coatings 9—96199
Mackowiak, M., Stankowski, J., Zdanowska, M. NQR study of hindered rotation in trans-1,2-dichloroethane under high pressure 9—95672
Mackowiak, M., Stankowski, J., Zeks, B., Blinc, R. Nuclear-quadrupole-resonance study of the ferroelectric phase transition in KH_2AsO_4 under high hydrostatic pressure 9—69785
Mackowski, J.M. *see* Roulet, M.E. 9—99989
McKoy, B.V. *see* Rescigno, T.N. 9—98163
McKoy, V. *see* Levin, D.A. 9—89799
McKoy, V. *see* Lucchese, R.R. 9—81277
Mackrodt, W.C. *see* Catlow, C.R.A. 9—100277
MacLachlan, D.F.A., Johnson, W.S. Pressure transducers 9—100778
McLachlan, D.S. Fluctuation diamagnetic susceptibility of indium and copper-coated indium powders above T_c 9—78309
McLachlan, D.S., Doyle, T.B., Burger, J.P. Further superconducting properties of PdH_x 9—56448
McLachlan, D.S., Papadopoulos, I., Doyle, T.B. Magnetization, electrical resistivity and the non-occurrence of superconductivity in NiH 9—56195
McLachlan, D.S. *see* Bredenkamp, S.H. 9—56355
McLachlan, D.S. *see* Kopp, J. 9—56201
MacLachlan, D.S. *see* Souffache, B. 9—78910
MacLachlan, J. *see* Ecklund, S. 9—76187
McLane, S.B., Jr. *see* Ng, Y.S. 9—77883
McLatchie, W. *see* Ball, G.C. 9—89322
McLaughlin, D.B. *see* Moore, S.F. 9—66420
MacLaughlin, D.E., de Boer, F.R., Bijvoet, J., de Chatel, P.F., Mattens, W.C.M. Nuclear resonance and relaxation in intermediate-valent YbCuAl 9—78550
MacLaughlin, D.E. *see* Parvin, K. 9—60977
McLaughlin, D.R., Thompson, D.L. Ground- and lower excited-state discrete ab initio electronic potential-energy surface for doublet $HeH_2{}^+$ 9—63898
McLaughlin, E.C., Tait, R.A. Fracture energy of plant fibres 9—52355
McLaughlin, I.L., Collings, A.F. The transport coefficients for a fluid of square-well rough spheres 9—55634
McLaughlin, I.L. *see* Whitelaw, D.J. 9—95305
McLaughlin, J. Connection between dissipative and resonant conservative nonlinear oscillators 9—58619
McLaughlin, J. The role of dissipation in a truncation of Henon's map 9—85081
McLaughlin, J.L. Focus-position sensing using laser speckle 9—59785
McLaughlin, P.R. *see* Buda, A.J. 9—62356
McLaughlin, R. *see* Laws, N. 9—76977
McLaughlin, R.D. *see* Koizumi, H. 9—49983, 9—59508
McLaughlin, R.W. *see* Zipf, E.C. 9—80064
MacLaurin, S. *see* Banks, F.M. 9—72707
McLean, B.J. *see* Hilditch, R.W. 9—67055
MacLean, C. *see* Lopes Cardozo, H.A. 9—94016
McLean, D.A., Phillips, S.L. Instrumental analysis in wastewater treatment 9—74432
McLean, D.J., Dulk, G.A. On the relative importance of radiative, mechanical and magnetic energy release of flares 9—53797
McLean, D.J. *see* Sheridan, K.V. 9—53796
McLean, E.A. *see* Decoste, R. 9—71952
McLean, E.A. *see* Ripin, B.H. 9—77417, 9—86596
McLean, I.S. *o* Ceti 9—92786
McLean, I.S., Coyne, G.V., Frecker, J.E., Serkowski, K. Detection of polarization structure across the emission lines of the Wolf-Rayet star HD 50896 9—97008
McLean, J., Whitaker, M.A.B. NMR double-pulse solid echoes for pairs of spin-1 nuclei 9—61262
McLean, M. The measurement of friction stress in high temperature creep 9—74223
McLean, M. *see* Bullock, E. 9—74310
McLean, R. *see* Greatbatch, W. 9—57813
McLean, R.F., Stoddart, D.R., Hopley, D., Polach, H. Sea level change in the Holocene on the northern Great Barrier Reef 9—84294
McLean, R.F. *see* Polach, H.A. 9—84225
McLean, W., Schultz, J.A., Pedersen, L.G., Jarnagin, R.C. Surface complexes between O_2, H_2O and lithium 9—69359
McLean, W. *see* Schultz, J.A. 9—76541
McLean, W.L., Stephen, M.J. Stability of superconductivity in granular metals 9—82722
MacLeish, P.R. *see* Bader, C.R. 9—92220
McLellan, A.G. The derivation of generalised integrity bases for finite orthogonal groups and counting rules for numerator invariants and covariants 9—49014
McLellan, J.S., Mamacos, J.P., Jones, C., Valberg, L.S., Chamberlain, M.J. A versatile counter for large-volume samples 9—100706
McLellan, R.B. High-temperature thermodynamic properties of the UC_{1-2}-phase 9—60524
McLellan, R.B. Constant-volume thermodynamic functions for BCC niobium-hydrogen solid solutions 9—61561
McLellan, R.B. Thermodynamics and diffusion behavior of interstitial solute atoms in non-perfect solvent crystals 9—90825
McLellan, R.B. Solutions of N in liquid Mn 9—99321
McLellan, R.B. *see* Farraro, R. 9—90829
McLellan, R.B. *see* Katsuta, H. 9—77815, 9—95170
McLellan, R.B. *see* Wei-Ming Yei 9—77756
McLemore, D.R. A fuel pellet inspection system for remote operation and maintenance 9—89480
McLemore, D.R. *see* Nyman, D.H. 9—49824
McLemore, D.R. *see* Powers, H.G. 9—85610
McLenaghan, R.G., Spindel, P. Quantum numbers for Dirac spinor fields on a curved space-time 9—97277
McLenaghan, R.G. *see* Carter, B. 9—49128
Maclennan, C.G. *see* Lanzerotti, L.J. 9—75050, 9—101010
McLennan, G.A., Moran, T.J., Cha, B.K. Core structural analysis codes verification/qualification 9—89407
McLennan, S.M., Fryer, B.J., Young, G.M. Rare earth elements in Huronian (Lower Proterozoic) sedimentary rocks: composition and evolution of the post-Kenoran upper crust 9—92511
McLennan, S.M., Fryer, B.J., Young, G.M. The geochemistry of the carbonate-rich Espanola Formation (Huronian) with emphasis on the rare earth elements 9—92533
McLeod, A.I., Hipel, K.W. Simulation procedures for Box-Jenkins models 9—79907
McLeod, D. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
MacLeod, D.I.A., Boynton, R.M. Chromaticity diagram showing cone excitation by stimuli of equal luminance 9—100613
Macleod, H.A. *see* Harris, M. 9—83047
MacLeod, I.A. *see* Blick, D.W. 9—53116
Macleod, I.D. *see* Burton, E.J. 9—71913
MacLeod, J.M., Avery, L.W., Broten, N.W., Oka, T. Failure to confirm the existence of interstellar methylamine-D (CH_3NHD) 9—92822
MacLeod, J.M. *see* Avery, L.W. 9—92817
MacLeod, J.M. *see* Balonek, T.J. 9—75277
MacLeod, J.M. *see* Feldman, P.A. 9—84821
McLeod, K.W. *see* Pinder, J.E., III 9—96668
MacLeod, M.A. *see* Houston, A.S. 9—53234
McLeod, P.S., Hughes, J.L. Effects of sputter etching and process techniques on the properties of sputtered aluminum films 9—83122
McLeod, R.D. A model of vision from concepts of optical engineering theory 9—96555
McLeod, R.J., Ernst, D.J. Field theoretic model for low energy pi-nucleon scattering 9—85331
McLeod, R.J. *see* Ernst, D.J. 9—85284
McLerran, L. *see* Giles, R. 9—85273
McLerran, L.D. *see* Bjorken, J.D. 9—63565
McLiveen, J.F.R. *see* Harrison, R.M. 9—57527
McLure, I.A., Edmonds, B. Noncritical interface near a critical end point 9—69322
McMahan, M.A., Sharma, S.D., Curl, R.F., Jr. Microwave spectrum, dipole moment, and structure of 3-aminopropanol 9—59441
McMahon, D.H. Multimode optical switching 9—76882
McMahon, D.H., Spillman, W.B., Jr. Computational approach for predicting the optical behavior of multimode fiber optic switching devices 9—59845
McMahon, H. *see* Brown, M. 9—62948
McMahon, J.W. *see* Docherty, A.E. 9—88512
McMahon, P.L., Graf, G., Glass, J.C. The phase transition in phospholipid vesicles probed by the positron annihilation lifetime technique 9—88061
McMahon, P.L. *see* Glass, J.C. 9—66448
McMahon, R.A., Ahmed, H., Speight, J.D., Dobson, R.M. Scanning-electron-beam annealing of ion-implanted p-n junction diodes 9—79128
McMahon, T. *see* Ghosh, A.K. 9—82694
McMahon, T. *see* Wiesmann, H. 9—87585
McMahon, T.A. *see* Bogen, D.K. 9—88100
McMahon, T.A. *see* Srikanthan, R. 9—53395
McMahon, T.B. *see* Clair, R.L. 9—79227
McMahon, T.B. *see* Doiron, C.E. 9—59373
MacMahon, T.D. *see* Bereznai, T. 9—52833
Macmahon, T.D. *see* Shaban, A.M. 9—97930
McManamey, W.J. Sauter mean and maximum drop diameters of liquid-liquid dispersions in turbulent agitated vessels at low dispersed phase hold-up 9—68787
McManus, J. The evolution of fluviatile sediments as demonstrated by QDa-Md analysis 9—100876
McManus, J. *see* Al-Ansari, N.A. 9—88386
McMasters, O.D. *see* Petersen, T.S. 9—78080
McMasters, O.D. *see* Savage, H.T. 9—78491
McMasters, O.D. *see* Stassis, C. 9—78308, 9—86859
McMichael, G.E., McKeown, J. Operational experience with coupled-cavity structures in a high duty factor accelerator 9—67992
McMillan, D.E., Nelson, R.O., Poore, R.V., Sunier, J.W., Ross, J.J. A high speed CAMAC differential branch highway driver 9—89541
McMillan, D.E. *see* Sunier, J.W. 9—89547
McMillan, D.J. *see* Schmidt, P.F. 9—92016
MacMillan, D.S., Redish, E.F. Convergence of the distorted wave series 9—75942
McMillan, J.A., Peterson, E.M. Kinetics of decomposition of amorphous hydrogenated silicon films 9—100342
MacMillan, J.H., Labes, M.M. Induced phases in mixtures of terminal polar liquid crystals—amines and nitriles 9—90765
Macmillan, J.H., Labes, M.M. Low transition temperature liquid crystalline amines incorporating the biphenyl ring system 9—94892
McMillan, J.L. *see* Cundy, S.L. 9—64358
MacMillan, J.R. *see* Gutjahr, A.L. 9—84321
McMillan, J.W. *see* Cookson, J.A. 9—87913
McMillan, M. *see* Carr, D. 9—53209
Macmillan, N.H. *see* Rickerby, D.G. 9—79135
McMillan, P.W. *see* Maddison, R. 9—52253
McMillan, P.W. *see* Stryjak, A.J. 9—87316
McMillin, L.M. Accuracy of soundings from Nimbus 6—a comparison of processing systems 9—58228
McMillin, L.M., Fleming, H.E., Hill, M.L. Atmospheric transmittance of an absorbing gas. III. A computationally fast and accurate transmittance model for absorbing gases with variable mixing ratios 9—80011
McMinn, J., Starke, K. Optimal absorption thickness for gamma-scanning activation analysis 9—70401
McMorris, M.N. Relativistic dynamics of the Doppler effect 9—97164
McMullan, J.T. *see* Bogle, A.W. 9—92058
McMullen, J.D. Analysis of compression of frequency chirped optical pulses by a strongly dispersive grating pair 9—50373
McMullen, J.D. *see* Hauck, J.P. 9—76724
McMullen, K. *see* Boden, N. 9—95126
McMullin, J.N., Capjack, C.E., James, C.R. Normal mode analysis with absorption effects of a laser beam in a plasma waveguide 9—64871
McMullin, J.N. *see* Milroy, R.D. 9—55524
McMullin, W.A. *see* Kroll, N.M. 9—92658
McMurchie, L.E. *see* Davidson, E.R. 9—49925
McMurdie, H.F. *see* Morris, M.C. 9—60223
McNab, T.K., Micklitz, H., Barrett, P.H. Matrix isolation of atoms and ions [in Mossbauer isomer shift calibration scheme] 9—85924
McNab, T.K. *see* Perez, J.D. 9—60541
McNair, G.W., Oden, D.R., Lloyd, R.C. Subcritical limits for homogeneous gadolinium-poisoned Pu-H_2O solutions 9—85724
McNair, R.E. *see* Feld, M.S. 9—88792
McNally, G. *see* Kirwan, A.D., Jr. 9—79866
McNally, G.J. *see* Kirwan, A.D., Jr. 9—79850

McNally, G.J. *see* Patzert, W.C. 9—84517
McNally, K. *see* Carlson, R. 9—92493
McNally, N.J., George, K.C., de Ronde, J. Recovery from sublethal damage by acutely hypoxic tumour cells in vivo and in vitro 9—88116
McNamara, D.H. The radial velocity and radius of DY Herculis 9—58358
McNamara, D.K. *see* Venables, J.D. 9—70203
McNamara, J.J. *see* Wasan, D.T. 9—61840
McNamara, L.F. Model starting heights for N(h) analyses of ionograms 9—66869
McNamee, P.C. *see* Barrett, B.R. 9—75865
McNamee, P.C. *see* Coon, S.A. 9—67596, 9—75891
McNary, R.O. *see* Hakim, S.J. 9—49758
McNary, R.O. *see* Koopman, R.N. 9—49764
McNaught, N. The SX-70 system of instant photography 9—97457
McNaught, W.G. *see* Baker, H.J. 9—76681
McNaughton, D. *see* Fritz, P. 9—84324
Macnaughton, J. *see* Girtler, P. 9—89197
McNaughton, J.L. *see* Anderson, G.S. 9—94366
McNaughton, M. *see* Cverna, F. 9—85315
McNaughton, M.W. *see* Christenson, D. 9—49887
McNaughton, M.W. *see* Clark, D.A. 9—71995
McNaughton, M.W. *see* Willard, H.B. 9—63502
MacNeal, B.E., Humphrey, F.B. Wall oscillations in the presence of in-plane fields in magnetic bubble materials 9—56582
MacNeal, B.E., Humphrey, F.B. Azimuthal angular rotation ($d\psi/dt$) in domain walls during radial motion of bubble domains 9—56583
MacNeal, B.E., Humphrey, F.B. Wall oscillations in the presence of in-plane fields in magnetic bubble materials 9—99737
McNeely, D.R. *see* Swanson, L.W. 9—65537
McNeil, B.J. Rationale for the use of bone scans in selected metastatic and primary bone tumors 9—88168
McNeil, J. *see* Sethu Raman, S. 9—66813
McNeil, J.A., Wallace, S.J. Spin dependence of fermion-fermion scattering in the eikonal limit 9—71662
McNeil, J.P. *see* Raynor, G.S. 9—83681
MacNeilage, P.F., Sussman, H.M., Westbury, J.R., Powers, R.K. Mechanical properties of single motor units in speech musculature 9—70559
McNeill, K.G. *see* Garcia, B.J. 9—57701
McNeill, K.G. *see* Johnson, R.G. 9—89288
McNeill, K.G. *see* Jury, J.W. 9—63657
McNeill, K.G. *see* Woodworth, J.G. 9—63656
McNeilly, G.S. *see* Ball, J.B. 9—54660, 9—68015
McNellis, J. *see* Cassen, P. 9—84690
MacNichol, E.F., Jr. *see* Collins, B.A. 9—74814
MacNichol, E.F., Jr. *see* Levine, J.S. 9—74667
McNichols, J.L., Ginell, W.S., Cory, J.S. Thermoclines. A solar thermal energy resource for enhanced hydroelectric power production 9—92060
McNicol, J.D. *see* Kharadly, M.M. 9—80002
McNiece, G. *see* Bratina, W.J. 9—79686
McNiff, E.J., Jr. *see* Flukiger, R. 9—61005, 9—78279, 9—82729
McNiff, E.J., Jr. *see* Orlando, T.P. 9—78277
McNiff, E.J., Jr. *see* Yacovitch, R.D. 9—78492
McNiven, H.D., Mengi, Y. A mathematical model for the linear dynamic behavior of two phase periodic materials 9—49048
McNiven, H.D., Mengi, Y. A mixture theory for elastic laminated composites 9—49049
McNiven, H.D., Mengi, Y. Propagation of transient waves in elastic laminated composites 9—50630
McNulty, G.J. *see* Charman, J.C. 9—68482
McNulty, P.J., Druger, S.D., Kerker, M., Chew, H.W. Fluorescent scattering by anisotropic molecules embedded in small particles 9—76587
McNutt, J.D., Sharma, S.C., Franklin, M.H., Woodall, M.A., II Positron annihilation in gaseous hydrogen and hydrogen-neon mixtures. II. Positronium 9—94092
McNutt, J.D., Sharman, S.C., Brisbon, R.D. Positron annihilation in gaseous hydrogen and hydrogen-neon mixtures. I. Low-energy positrons 9—94091
McNutt, J.D. *see* Coleman, P.G. 9—54939, 9—89786
McNutt, J.D. *see* Sharma, S.C. 9—98254
McNutt, J.F., Wyatt, R.E. Generalized hyperbolic coordinates for collinear reactive scattering 9—74363
McNutt, R.L., Jr., Belcher, J.W., Sullivan, J.D., Bagenal, F., Bridge, H.S. Departure from rigid co-rotation of plasma in Jupiter's dayside magnetosphere 9—96957
Macon, E.J. *see* Kottle, S.P. 9—92312
Macovei, D., Manaila, R., Sipos, S., Atanasiu, M., Fagarasan, C. The crystal structure and the valence of the chromium ion in the Zn-Cr oxide system, with variable Cr/Zn ratio 9—65057
Macovski, A. Ultrasonic imaging using arrays 9—64460
Macovski, A. *see* Duerinckx, A.J. 9—66539
Macovski, A. *see* Pen-Shu Yeh 9—74747
McParland, C.P. The HISS computer facility 9—89559
McPartland, R.J., Kupfer, D.J. Computerised measures of electro-oculographic activity during sleep 9—74781
Macphail, M.R. *see* Cizewski, J.A. 9—75853
McPharlin, T.P. *see* Carrington, R.L. 9—76257
McPhedran, R.C. *see* Perrins, W.T. 9—79408
McPherron, R.L. Dynamic cross correlation studies of wave particle interactions in ULF phenomena 9—70926
McPherron, R.L. The use of ground magnetograms to time the onset of magnetospheric substorms 9—88553
McPherron, R.L. *see* Hughes, W.J. 9—80094
McPherson, A. *see* Allison, W.W.M. 9—76258
Macpherson, A.C. *see* Christou, A. 9—56085
McPherson, M. *see* Boocock, D.G.B. 9—87945
McPherson, R.R. *see* Weiland, R.H. 9—96369
MacPhie, R.H. *see* Bracewell, R.N. 9—53737
Macq, P. *see* Bosman, M. 9—49627, 9—67581
McQueen, D. *see* Skarp, K. 9—50988
McQueen, D.H. Reduction of infrasound generation in an industrial oil burner 9—76909
Macqueen, R.W., Thompson, R.I. Carbonate-hosted lead-zinc occurrences in northeastern British Columbia with emphasis on the Robb Lake deposit 9—62494
Macqueron, J.L., Navarro, J., Torra, V. Analytical determination of the transference function 9—98590
McQuilland, C.P. *see* Blake, A.J. 9—94989
McRae, D.S., Hassaini, M.Y. Numerical simulation of supersonic cone flow at high angle of attack 9—77178
McRae, E. *see* Billaud, D. 9—91601
McRae, E.G. Electronic surface resonance band structure and lineshapes 9—82655
McRae, E.G. Electronic surface resonances of crystals 9—95464
McRae, G.A. *see* Kagann, R.H. 9—54845
McRae, L.P., Cadwallader, J.A., III., Kartchner, M.M. Oculoplethysmography and carotid phonoangiography for the noninvasive detection of extracranial carotid occlusive disease 9—83985
Macrae, R. *see* Khan, P. 9—96724
McShan, D.L., Silverman, A., Lanza, D.M., Reinstein, L.E., Glicksman, A.S. A computerized three-dimensional treatment planning system utilizing interactive colour graphics 9—62336
McSheehy, R.B. *see* Sanchez, A. 9—86251
McSherry, A.J., Patel, M.R., Marshall, J., Gilbert, E.R. Irradiation creep in bending of CW AISI316 at low fluence 9—61680
McTague, J.O. *see* Topalian, J.H. 9—99867
McTague, J.P., Nielsen, M., Passell, L. Neutron scattering by absorbed monolayers 9—65306
McTague, J.P., Novaco, A.D. Substrate-induced strain and orientational ordering in adsorbed monolayers 9—82460
McTague, J.P. *see* Frenkel, D. 9—64009, 9—73095
McTague, J.P. *see* Nielsen, M. 9—60639, 9—73401
Mactutus, C.F., Riccio, D.C., Ferek, J.M. Retrograde amnesia for old (reactivated) memory: some anomalous characteristics 9—83735
Macukow, B. *see* Gawronski, R. 9—74631
Macura, S., Juranic, N., Vucelic, D. ^{7}Li NMR of the zeolite inclusion complexes LiA.$LiNO_3$ and LiX.$LiNO_3$. I. Motional narrowing of the line 9—56618
McVay, G.L., Hudman, G.D. Irradiation-induced creep and swelling in 304L stainless steel 9—93723
McVeigh, J.C. *see* Hall, D.O. 9—57369
MacVicar, M.L.A. *see* Bostock, J. 9—69634
McVittie, G.C. Isothermal-Kruskal coordinates and Einstein's equations 9—63106
McWalter, R. *see* Brown, R.A. 9—74606
McWhirter, J.G., Pike, E.R. The extraction of information from laser anemometry data 9—60081
McWhirter, J.H., Oravec, J.J., Duffin, R.J., Brehm, P.J. Computational methods for solving static field and eddy current problems via Fredholm integral equations 9—68344
McWhirter, R.W.P., Kopp, R.A. The energy balance in the solar atmosphere above coronal holes 9—92746
McWhirter, R.W.P. *see* Bruner, E.C., Jr. 9—96980
McWhirter, R.W.P. *see* Summers, H.P. 9—82063
McWhorter, D.B. *see* Ortiz, N.V. 9—84327
McWhorter, J.G. *see* Chandra, U. 9—92497
McWhorter, J.G. *see* Fischer, J.A. 9—88275
McWilliams, K.D., Turner, J.R., Stout, J.W., Lerner, S. Unique thermal and hydraulic features of the light-water breeder reactor 9—54483
McWilliams, R. *see* Motley, R.W. 9—64882
Macy, W.W. *see* Pilcher, C.B. 9—84742
Maczenski, Z. *see* Drzewiecki, J. 9—93180
Maczka, D. *see* Zuk, W. 9—82251
Maczynski, S. *see* Wolkenberg, A. 9—87508
Mada, H. Study on the surface alignment of nematic liquid crystals: temperature dependence of pretilt angles 9—55656
Mada, H. Study on the surface alignment of nematic liquid crystals: determination of the easy axis and temperature dependence of its field energy 9—90541
Mada, H., Kobayashi, S. Surface and bulk order parameters of a nematic liquid crystal 9—90522
Mada, H. *see* Hirano, A. 9—86676
Madacsi, D.P. *see* Houlihan, J.F. 9—96479
Madan, M.K. *see* Agarwala, A. 9—62000
Madan, M.P. Dielectric relaxation of some aliphatic ester molecules in solutions 9—82918
Madan, S. *see* Sanders, V. 9—72604
Madan, S.M. *see* Edmonds, P.D. 9—96610
Madan, V.K., Savage, G.J., Kesavan, H.K. Applications of multiterminal representations to magnetic fields 9—68345
Madan, V.P. On stress propagation in an inhomogeneous viscoelastic (Voigt-Kelvin) rod 9—94543
Madansky, L. *see* McClintock, J.A. 9—89767
Madar, R., Senateur, J.P., Fruchart, R. On the 'martensitic' transformation in the A-15 superconductors compounds 9—60499
Madar, R. *see* l'Heritier, P. 9—100123
Madaras, R.J. *see* Piccolo, M. 9—93439
Madaras, R.J. *see* Rapidis, P.A. 9—75780
Madariaga, R. On the relation between seismic moment and stress drop in the presence of stress and strength heterogeneity 9—84151
Madatova, E.D. *see* Dakhtyar, I.Ya. 9—91527
Madatova, E.G. *see* Dekhtyar, I.Ya. 9—87314, 9—91526
Maddams, W.F. *see* Robinson, M.E.R. 9—73919
Maddarsi, M.El *see* El Maddarsi, M.
Madden, H.H., Holloway, P.H. AES investigation of the chemical structure of silicon oxynitride films 9—77945
Madden, H.H. *see* Zehner, D.M. 9—83066
Madden, J.A. *see* Eikman, E.A. 9—83908
Madden, K.P., Bernhard, W.A. ESR-ENDOR study of X irradiated single crystals of α-methyl-D-glucopyranoside 9—56613
Madden, P.A. *see* Battaglia, M.R. 9—73090
Madden, P.A. *see* Hills, B.P. 9—51954, 9—94862
Madden, P.A. *see* Keyes, T. 9—87410
Madden, R.A. Further evidence of traveling planetary waves 9—58017
Madden, R.M. Silicon position sensing detectors for precision measurement and control 9—86273
Maddin, R. *see* Yeh, H.L. 9—100112
Maddison, R., McMillan, P.W. The cooling rate of glass fibres 9—52253
Maddukuri, C.Subbarao *see* Subbarao Maddukuri, C.
Madenburg, R.S., Paulsrude, D.M., Walters, R.V., Jr. Utility application of citrate technology 9—100553
Madeore, F. *see* Buisson, R. 9—56450
Madeore, F. *see* Vial, J.C. 9—95820
Mader, H., Bomsdorf, H., Andresen, U. The measurement of rotational relaxation time T_2 for $CH_3C^{15}N$ self- and foreign gas collisions 9—86048
Mader, K.H. *see* Farinola, A.L. 9—86225
Madera, E.J. *see* Gallagher, J.M. 9—76100
Maderlechner, G. *see* Behrisch, R. 9—56901
Madey, J.M.J. Relationship between mean radiated energy, mean squared radiated energy and spontaneous power spectrum in a power series expansion of the equations of motion in a free-electron laser 9—50277
Madey, J.M.J., Deacon, D.A.G., Elias, L.R., Smith, T.I. An approximate technique for the integration on the equations of motion in a free-electron laser 9—64193
Madey, J.M.J. *see* Deacon, D.A.G. 9—72547
Madey, J.M.J. *see* Smith, T.I. 9—94246
Madey, R., Anderson, R., Baldwin, A.R., Knudson, J., Watson, J.W., Witten, T., Foster, C. Beam burst width and phase drift at the Indiana University cyclotron facility 9—76216
Madey, R. *see* Cecil, R.A. 9—68150
Madey, T.E., Goodman, D.W., Kelley, R.D. Surface science and catalysis: the catalytic methanation reaction 9—79290
Madey, T.E. *see* Kelley, R.D. 9—99408
Madhusudan, W.H., Kollali, S., Sarode, P.R., Hegde, M.S., Ganguly, P., Rao, C.N.R. Transition metal oxide perovskites by photoelectron and X-ray absorption spectroscopy 9—56885
Madhusudan, W.H. *see* Sarode, P.R. 9—78788
Madhusudana, N.V., Moodithaya, K.P.L. The electrooptic characteristics of a nematic liquid crystal cell with asymmetrically treated electrodes 9—55658
Madhusudana, N.V. *see* Chandrasekhar, S. 9—60491, 9—86699
Madhusudhana, B., Srirama Rao, M., Ramachandra Rao, B. Studies on wavelike oscillations in sporadic-E 9—101002
Madhusudhana Rao, A. Measurement of point discharge currents during different types of rain 9—84379
Madhusudhana Rao, A. Effect of meteorological factors on atmospheric point discharge current 9—88409
Madhvanath, U. *see* Ashawa, S.C. 9—79659
Madhvanath, U. *see* Subrahmanyam, P. 9—88139

Madi, I. Electrosorption of ^{166}Ho, $^{169,175}Yb$ and ^{90}Y on an anodically-polarized platinum surface 9—52684
Madi, I. Kinetic study of the deposition of ^{144}Ce, ^{143}Pr and ^{147}Nd on a platinum anode 9—91958
Madia, W.J. *see* Pobereskin, M. 9—49819
Madigosky, W.M., Lee, G.F. Automated dynamic Young's modulus and loss factor measurements 9—91866
Madiogosky, W., Fiorito, R. Modal resonance analysis of acoustic transmission and reflection losses in viscoelastic plates 9—72734
Madix, R.J. *see* Brundle, C.R. 9—82437
Madix, R.J. *see* Ko, E.I. 9—91995
Madix, R.J. *see* Wachs, I.E. 9—87878
Madjidi-Zolbanine, H., Froehly, C. Holographic correction of both chromatic and spherical aberrations of single glass lenses 9—86226
Madland, D.G. *see* Ray, L. 9—63669
Madland, D.G. *see* Stewart, L. 9—67795
Madni, I.K. *see* Yang, J.W. 9—54485
Madoc-Jones, H. *see* Perez, C.A. 9—100745
Madorskii, V.L. *see* Vasyuta, B.M. 9—75624
Madsen, E.M. Applications of catastrophe theory to optometry 9—83784
Madsen, H.E.L., Boistelle, R. Growth kinetics of the (001) faces of hexatriacontane ($C_{36}H_{74}$) in solution 9—52098
Madsen, J.C. *see* Stromeyer, C.F., III 9—57661, 9—92218
Madsen, J.H.B. *see* Allardyce, B.W. 9—54647
Madsen, M.R. The role of barriers in a physical protection system [nuclear facilities safety] 9—85686
Madsen, N., Ramamoorthy, P. Isothermal, compressible-gas flow in horizontal pipes with an imperfect gas 9—77258
Madsen, O.S. Mass transport in deep-water waves 9—79856
Madsen, O.S. *see* Grant, W.D. 9—70808
Madsen, P.P. Seasonal variation of denitrification rate in sediment determined by use of ^{15}N 9—100883
Madsen, V.A., Osterfeld, F., Wambach, J. The imaginary part of the nuclear optical potential and inelastic form factor 9—93581
Madsen, V.A. *see* Finlay, R.W. 9—67642
Madsen, V.A. *see* Wong, C. 9—89277
Maduev, V.L. *see* Kuzhevskii, B.M. 9—62695, 9—80128
Madurga, G. *see* Barranco, M. 9—80874, 9—89249
Madurga, G. *see* Vinas, F.J. 9—59020
Madurga, V. *see* Hernando, A. 9—91246
Mady, Kh.A., Eid, A.H., Soliman, W.Z. Optical properties and interband transitions in the layered compounds SbI_3 9—87456
Madyanov, S.A., Voronenko, B.I., Makhnev, E.S. Effect of preliminary heat treatment on phase transformations and properties of steel Kh15N5D2T (VNS-2) 9—79011
Madyanov, S.A. *see* Kirillov, Yu.V. 9—96052
Madzhagaladze, G.V. *see* Monaselidze, D.R. 9—57593
Madzhulis, I., Fomins, J., Yurkevich, V., Rolov, B. Thermodynamics of thin ferroelectric films in the vicinity of second order phase transitions 9—91381
Maeda, A. *see* Ohmichi, T. 9—73301
Maeda, E., Sasamoto, T., Sata, T. Vaporization from magnesia in O_2-H_2O atmospheres 9—74279
Maeda, E. *see* Sata, T. 9—99308
Maeda, H. Coercive force of pseudobinary $R(Co_{1-x}Cu_x)_5$ compounds 9—82823
Maeda, H., Kurashige, M., Nakakita, T. Gamma-ray-induced conduction in polyethylene-terephthalate under high electric fields 9—60840
Maeda, H. *see* Murai, S. 9—58120
Maeda, H. *see* Ohasa, K. 9—64906
Maeda, H. *see* Takeda, M. 9—66611
Maeda, K., Tamenaga, T., Kubota, J. Flare spray on the solar disk observed on June 2, 1974 and accompanied radio bursts 9—80294
Maeda, K. *see* Kuramoto, E. 9—91755
Maeda, K. *see* Nekagawa, K. 9—69105
Maeda, K. *see* Uda, M. 9—59392
Maeda, M., Kagami, H., Miyajima, K., Yagi, E. Low temperature fluorination of uranium oxides in 3-inch diameter fluidized beds 9—81056
Maeda, M., Kuramoto, Y., Horie, C. Phonon dispersion relations of graphite 9—90740
Maeda, M., Nishitarumizu, T., Miyazoe, Y. Formation and quenching of excimers in low-pressure rare-gas/halogen mixtures by e-beam excitation 9—50071
Maeda, M., Yagi, E. Feasibility study for removal of SiC coating in HTGR-type fuel by F_2-fluorination 9—89471
Maeda, M., Yamashita, T., Miyazoe, Y. Electron-beam pumped XeCl excimer laser 9—64208
Maeda, M. *see* Okada, T. 9—81450
Maeda, M. *see* Tanaka, T.P. 9—76848
Maeda, M. *see* Uchino, O. 9—59691
Maeda, N. *see* Kobayashi, N. 9—89756, 9—89758
Maeda, O., Tajima, Y. Wear properties of polyvinyl chloride 9—96151
Maeda, R. *see* Shimada, S. 9—83157
Maeda, T. *see* Kono, A. 9—79653
Maeda, Y. *see* Fuchi, H. 9—59299, 9—63548, 9—80112, 9—85299
Maeda, Y. *see* Takashima, Y. 9—54192
Maeda, Y. *see* Terasaki, K. 9—52283
Maeda, Y. *see* Uehara, S. 9—67447
Maeder, C. *see* Labbe, G. 9—61831
Maeder, F., Kutzelnigg, W. Natural states of interacting systems and their use for the calculation of intermolecular forces. IV. Calculations of Van der Waals coefficients between one- and two-valence-electron atoms in their ground states, as well as of polarizabilities, oscillator strength sums and related quantities, including correlation effects 9—93913
Maeder, G. *see* Lebrun, J.L. 9—91731
Maegawa, K. *see* Yoshida, H. 9—50580
Maegawa, S., Mizusaki, T., Hirayochi, Y., Kusumoto, T., Hirai, A. ^3He nuclear magnetic relaxation behaviours in HCP solid ^3He with ^4He impurities 9—56027
Maehara, H., Noguchi, T., Ishida, K. The software of the 105 cm Schmidt telescope 9—101067
Maehara, H., Yamashita, Y. Scanner observations of Mira variables. II 9—84798
Maehara, H. *see* Noguchi, T. 9—101090
Maehara, T., Yanagida, T. Gauge symmetry of horizontal flavour 9—89091
Maekawa, S., Tachiki, M., Kurita, H. Upper critical fields in rare earth compounds 9—56461
Maekawa, S. *see* Mizoguchi, T. 9—73823
Maekawa, S. *see* Nakajima, N. 9—50600
Maekawa, S. *see* Yao, T. 9—100059
Maekawa, T. Linear representations of any dimensional Lorentz group and computation formulas for their matrix elements 9—58571
Maekawa, T. Note on the linear representations of any dimensional Lorentz group and their matrix elements 9—93306
Maekawa, Z. *see* Fujii, T. 9—96117, 9—100237
Maekawa, Z. *see* Hashimoto, S. 9—65902
Mael, D. *see* Sulak, L. 9—59317
Maelstaf, P., Bothorel, P. Mixed correlations of molecular orientation between some hydrophobic groups of tensio-active compounds and squalane 9—65885
Maelstaf, P., Bothorel, P. Molecular orientation correlations in hydrophobic groups of usual tensio-active compounds 9—73957
Maenaka, K. Paleomagnetic study of sediments around the Komyoike volcanic ash horizon in Osaka Group, Senpoku area, Osaka Prefecture, Japan 9—70742
Maenhaut, W., Zoller, W.H., Coles, D.G. Radionuclides in the South Pole atmosphere 9—84382
Maenhaut, W., Zoller, W.H., Duce, R.A., Hoffman, G.L. Concentration and size distribution of particulate trace elements in the south polar atmosphere 9—79937
Maenhout-Van Der Vorst, W. *see* Van Hulle, M.E. 9—55928
Maeno, K. *see* Oguchi, H. 9—76661
Maeno, M., Kawamura, H., Gomay, Y., Fujisawa, N., Suzuki, N., Konoshima, S., Yamamoto, T., Hirayama, T., Shimada, M., Uehara, K. Measurement of surface temperature of a limiter and a study on plasma confinement characteristics 9—98984
Maeno, M. *see* Gomay, Y. 9—85768
Maenpaa, J. *see* Barsotti, E. 9—49919
Maenpaa, M. *see* Faymonville, R. 9—78118
Maerfeld, C. *see* Gautier, H. 9—49288, 9—50524
Maergoiz, I.D. Calculating stationary magnetic fields in a nonlinear ferromagnetic medium 9—59613
Maergoiz, I.D. Calculating the field in iron in solving nonlinear magnetostatic problems 9—64138
Maestrello, L., Fung, Y.-T. Quasi-periodic structure of a turbulent jet 9—81935
Maestrello, L. *see* Chow, P.L. 9—49168
Maeta, S., Sakaguchi, K. Computer simulation of thermally-stimulated currents in an anthracene single crystal with discrete shallow traps 9—99819
Maev, E.M. *see* Baturin, V.N. 9—85477
Maevskii, V.A. *see* Kazarinov, N.M. 9—72206
Maevskii, V.A. *see* Voronkov, A.A. 9—72177
Maewal, A. *see* Murakami, H. 9—50631, 9—50632
Maeyama, H., Morikawa, M., Aihara, Y., Mochizuki, T., Yamanaka, C. Resonant excitation of uranium atoms by an argon ion laser 9—81192
Maeyer, M.De *see* De Maeyer, M.
Maezawa, H. *see* Koh, H. 9—88222
Maezawa, H. *see* Uchimura, I. 9—92245
Maezawa, K. An exact solution of differential rotation for self-gravitating magnetic sphere 9—84665
Maezawa, K., Wakabayashi, S., Mizushima, T., Mori, K., Sato, K., Saito, Y. Transverse magnetoresistance in gadolinium 9—91025
Maezawa, K. *see* Nishida, A. 9—58201
Maffei, L. *see* Fiorentini, A. 9—53105
Maffeo, C.J., VanLandingham, K.E., Butler, A.B., Bass, N.H., Johnson, R.N. Nonlinear parametric feedback in the regulation of intracranial pressure 9—96599
Maffeo, C.J. *see* Johnson, R.N. 9—88111
Maffuid, P. *see* Konowalow, D.D. 9—97997
Magagnosc, C. *see* Shindell, D.M. 9—48992
Magal, B.S., Jain, S.V. Mechanical energy storage system for a 10 kWe solar power pack 9—57469
Magalhaes, A.M. *see* Coyne, G.V. 9—97005
Magalhaes, G.C.de *see* de Magalhaes, G.C.
Magarill, L.I. *see* Baskin, E.M. 9—69554
Magat, L.M. *see* Shur, Ya.S. 9—70176
Magat, O.L. *see* Solin, N.I. 9—69544
Magataev, V.K. *see* Gladkii, V.V. 9—69779
Magda, M.T., Duma, M., Sandulescu, A. Cross sections for production of transfermium elements 9—67803
Magdich, L.N., Mitkin, M.I., Sasov, V.N., Shnitser, P.I. An x,y acoustooptical deflector with a resolution of 32×32 positions 9—72683
Magee, C.W. Depth profiling of n-type dopants in Si and GaAs using Cs^+ bombardment negative secondary ion mass spectrometery in ultrahigh vacuum 9—99232
Magee, C.W. *see* Blattner, R.J. 9—91557
Magee, C.W. *see* Carlson, D.E. 9—99577
Magee, C.W. *see* Liu, S.G. 9—73194
Magee, C.W. *see* Wu, C.P. 9—73181, 9—77612
Magee, J.L., Chatterjee, A. Theory of the chemical effects of high-energy electrons 9—52700
Magee, T.J. *see* Gibbons, J.F. 9—73182, 9—90555
Magee, T.J. *see* Regolini, J.L. 9—60391, 9—73185
Mager, S., Wieser, E., Zemcik, T., Schneeweiss, O., Stetsenko, P.N., Surikov, V.V. Investigations of the magnetic moments in $(Fe_{1-x}Mn_x)_3Al$ alloys 9—56520
Mageri, G. *see* Kreiner, W.A. 9—72306
Magerl, A., Teuchert, W.D., Scherm, R. Hydrogen-induced dispersion step in the $[\zeta\zeta O]T_1A$ branch in Nb at ζ=0.03 9—60453
Magerl, G., Bonek, E. Broadband electronically tunable resonant microwave modulators for CO_2 lasers 9—64256
Magerramov, E.M., Mekhtiev, R.F., Rustamov, P.G., Sadykhova, S.A., Safarov, V.G. Photoconductivity and optical absorption in $(GaS)_{1-x}(Bi_2S_3)_x$ (x=0.005-0.03) solid solutions 9—51634
Maggi, G. *see* Cutts, D. 9—85346
Maggiora, A. *see* Balestra, F. 9—76041, 9—85427, 9—85437, 9—85495, 9—85513, 9—85517
Maggipinto, G. *see* Adduci, F. 9—69463
Maggs, J.E. Theory of electromagnetic waves on auroral field lines 9—88557
Maghini, D. *see* Campagnoli, G. 9—95738
Maghsood, J. Solar energy entrapments for early season vegetable production in cold regions 9—70438
Magiera, A., Magiera, L., Pluta, M. Apodization for minimizing the second moment of the intensity diffraction pattern in optical systems with aberrations. I 9—81358
Magiera, L. *see* Magiera, A. 9—81358
Magin, R.L., Sikic, B.I. Enhancement of the effect of bleomycin by local hyperthermia on Lewis lung tumors in mice 9—83894
Magini, M. *see* Caminiti, R. 9—77479
Maginness, M.G. Methods and terminology for diagnostic ultrasound imaging systems 9—66580
Magistrali, G. Improving vehicle reliability by automated NDT on structural and motor parts 9—91859
Maglic, G.S. *see* Despic, A.R. 9—74102
Maglic, R. *see* Felcher, G.P. 9—78316
Magnant, D. *see* Larignon, M. 9—51997
Magnea, N., Bensahel, D., Pautrat, J.L., Pfister, J.C. Optical identification of substitutional acceptors in refined ZnTe 9—99940
Magnea, N., Bensahel, D., Pautrat, J.L., Saminadayar, K., Pfister, J.C. Electrical and optical identification of the persistent acceptor as copper in ZnTe 9—60764
Magnea, N. *see* Bensahel, D. 9—65927
Magneli, A. Non-stoichiometry and structural disorder in some families of inorganic compounds 9—51091
Magneli, A. *see* Marinder, B.-O. 9—65246
Magnell, B.A. *see* Bennett, J.R. 9—57962
Magnemat, M. A new fixed hygrometer probe for very dry gases 9—54145
Magnenat, P. Asymptotic orbits and instability zones in dynamical systems 9—101055
Magner, A.G. *see* Kolomiets, V.M. 9—67635
Magneron, B. Structure of algebras of invariant polynomial on Lie algebras of inhomogeneous symplectic groups 9—53962
Magnin, J., Jouve, H., Barbara, B. Effect of wall pinning on bubble motion 9—78455
Magnitskii, O.N. *see* Potapov, Yu.M. 9—76896
Magno, L. *see* Belletti, S. 9—100674
Magnon-Ashtekar, A. *see* Ashtekar, A. 9—63098, 9—75423
Magnus, K. Gyrostat with elastic shaft: a contribution to the theory of centrifuges 9—67149
Magnuson, D.W. *see* Wampler, F.B. 9—64034
Magnussen, S., Bjorklund, R.A. The perception of suprathreshold sinusoidal flicker measured by light- and dark-phase matching 9—57665
Magnussen, T. *see* Sorensen, J.M. 9—51248
Magnusson, C.E. *see* Joelsson, I. 9—93946
Magnusson, J. *see* Sorensen, S. 9—70498
Magomadov, R. *see* Fridkin, V.M. 9—95447

Magomedov, A.M. Electric resistance of Zn-Sn and Zn-Bi alloys 9—82571
Magomedov, K.M. *see* Gorinov, A.S. 9—83130
Magomedov, U.B. *see* Amirkhanov, Kh.I. 9—82026, 9—90367
Magomedov, Ya.B. *see* Amirkhanov, Kh.I. 9—82396
Magomedova, N.M. *see* Gorinov, A.S. 9—83130
Magradze, M.V. *see* Gerasimov, A.B. 9—51155
Magradze, N.V. *see* Akopova, A.B. 9—97462
Magrini, A. *see* Frazzoli, F.V. 9—80982
Magrino, J. *see* Ghidalia, W. 9—87324
Magro, C.S. *see* Phillips, J.P. 9—53828
Magro, C.S. *see* Selby, M.J. 9—53734
Maguire, J.F. *see* Topalian, J.H. 9—99867
Maguire, W. *see* Pearl, J. 9—92704
Magunov, A.I. *see* Balashov, V.V. 9—72425
Mah, S.Q. *see* Boucher, C. 9—64841
Mah Tai-il *see* Tai-il Mah
Mahaffey, J.A. *see* Sanders, C.L. 9—66492
Mahaffey, R.A. *see* Eden, J.G. 9—98344
Mahaffey, R.A. *see* Sethian, J.D. 9—76167
Mahaffy, J.H. *see* Pryor, R.J. 9—89401
Mahaffy, P., Hansen, R.S. Ethane hydrogenolysis on evaporated iridium films 9—100436
Mahajan, C.G., Baker, E.A.M., Burgess, D.D. Use of a laser-produced plasma as a source of focused vacuum-ultraviolet continuum radiation 9—94314
Mahajan, K.K. Electron concentration profiles in E- and F-regions during sunrise and sunset 9—88526
Mahajan, K.K., Pandey, V.K. Electron temperature and concentration in the plasmasphere at an altitude of 3000 km from ISIS-1 Langmuir probe measurements 9—101004
Mahajan, P.O. *see* Everson, R.C. 9—79296
Mahajan, R.L., Gebhart, B. An experimental determination of transition limits in a vertical natural convection flow adjacent to a surface 9—50726
Mahajan, R.L., Gebhart, B. Leading edge effects in transient natural convection flow adjacent to a vertical surface 9—55389
Mahajan, S., Bonner, W.A., Chin, A.K., Miller, D.C. The characterization of highly-zinc-doped InP crystals 9—99197
Mahajan, S., Brasen, D., Haasen, P. Luder's bands in deformed silicon crystals. [Effect of crystal growth method] 9—79025
Mahajan, S., Johnston, W.D., Jr., Pollack, M.A., Nahory, R.E. The mechanism of optically induced degradation in $InP/In_{1-x}Ga_xAs_yP_{1-y}$ heterostructures 9—86791
Mahajan, S. *see* Nakahara, S. 9—86794
Mahajan, S.M., Ross, D.W. Localized trapped electron drift instability 9—60129
Mahajan, S.M. *see* Hitchcock, D.A. 9—86583
Mahajan, S.M. *see* Strauss, H.R. 9—60135
Mahajan, Y. Deformation associated with surface cracks and alpha particles in an α-β titanium alloy 9—79107
Mahalanabis, A.K., Sinha, A.K., Biswas, K.K., Sheel, S. A model for recursive prediction of Delhi rainfall 9—79998
Mahalingam, T., Radhakrishnan, M., Balasubramanian, C. Dielectric properties of lanthanum fluoride thin films 9—91375
Mahalingham, S. On the vibratory response of close-coupled systems 9—81767
Mahan, A.H. *see* Riddle, T.W. 9—60632, 9—60633
Mahan, B.H. *see* Tiedemann, P.W. 9—89622
Mahan, G.D., Levinson, L.M., Philipp, H.R. Theory of conduction in ZnO varistors 9—78192
Mahan, G.D. *see* Girvin, S.M. 9—60859
Mahan, J.E., Ekstedt, T.W., Frank, R.I., Kaplow, R. Measurement of minority carrier lifetime in solar cells from photo-induced open-circuit voltage decay 9—87990
Mahan, Lee, Y.T. *see* Ceyer, S.T. 9—57212
Mahanta, P.C. *see* Rahman, A. 9—99637
Mahanthappa, K.T., Sher, M.A. The mass of the top quark in SU(5) 9—97559
Mahanthappa, K.T., Sher, M.A., Unger, D.G. Gauge hierarchies beyond the tree approximation 9—67470
Mahanti, N.C. Small-amplitude internal waves due to an oscillatory pressure 9—72906
Mahanti, S.D. *see* Chen, K.W. 9—67983
Mahanti, S.D. *see* Das, N.C. 9—65640
Mahanty, J. *see* Paranjape, V.V. 9—81252
Mahanty, J. *see* Summerside, P. 9—69452
Mahapatra, A. *see* Kornreich, P.G. 9—72516
Mahapatra, A. *see* Kowel, S.T. 9—50244, 9—72514
Mahapatra, B.P. *see* Parida, M.K. 9—93455
Mahapatra, P.K. *see* Roy, C.L. 9—49426
Mahapatra, P.P. *see* Chickerur, N.S. 9—82341
Maharana, J. *see* Goldstein, G.R. 9—93383
Mahato, B.K. The cyclic corrosion of the lead-acid battery positive 9—92072
Mahaux, C. Nuclear matter approach to the nucleon-nucleus optical model 9—93574
Mahdavian, S.M. A refined model for the thermal elastohydrodynamic inlet zone 9—51198
Mahdjuri, F. *see* Bruno, R. 9—57461, 9—61951
Mahdjuri, F. *see* Hermann, W. 9—62051
Mahe, C., Nicolay, N., Marioge, J.P. Study of the qualities of optical cements 9—50452
Mahendra, K.K., Subrahmanyam, A., Kulshreshtha, A.P. In-situ monitoring of satellite solar cell panels from ground station 9—62003
Mahendroo, P.P. *see* Bhat, S.V. 9—65191
Maher, A. Bound formula for determining the fundamental frequency 9—81790
Maher, D.M., Joy, D.C., Egerton, R.F., Mochel, P. The functional form of energy-differential cross sections for carbon using transmission electron energy-loss spectroscopy 9—100000
Maher, J.V. *see* Chiou, M.S. 9—93660
Maheshri, J.C., Palmer, H.J. The influence of lateral pressure variations on the stability of rapidly evaporating liquids at reduced pressure 9—95146
Maheshwari, A. Non-singular collapse of a dust ball in quantum conformal geometry 9—97284
Maheshwari, K.P. *see* Sodha, M.S. 9—77384
Maheshwari, L.K. *see* Anand, M.M.S. 9—62001
Maheshwari, P.N., Scott, W.P., Paryani, B.T. Gonadal and eye doses in ^{60}Co therapy for Hodgkin's disease 9—96665
Mahlein, H.F. Design of beam splitters for optical fiber tapping elements 9—72702
Mahlman, J.D. *see* Levy, H., II 9—58006
Mahmood, F., Mahmood, S. Mass spectrum of charmonium 9—97595
Mahmood, S. *see* Mahmood, F. 9—97595
Mahmoud, S.F. *see* Ali, S.M. 9—94128
Mahmud, S.H. *see* Hansel, C.E.M. 9—53146
Mahn, B., Berger, R., Langhammer, G. Investigations on the flow behavior of concentrated polymer solutions especially concentrated polyethylene solutions, in laminar steady flow field. III. Calculation of the numerical frequency distribution h1(M) of the molecular weight for long chain branched polyethylene from column elution fractionating data 9—68673
Mahnke, H.-E., Dafni, E., Rafailovich, M.H., Sprouse, G.D., Vapirev, E. Temperature dependence of the electric field gradient of Cd in Hg 9—56647
Mahon, R., McIlrath, T.J., Koopman, D.W. High-power TEM_{00} tunable laser system 9—50306
Mahon, R., McIlrath, T.J., Myerscough, V.P., Koopman, D.W. Third-harmonic generation in argon, krypton, and xenon; bandwidth limitations in the vicinity of Lyman-α 9—81482
Mahoney, J. *see* Ortiz, M.E. 9—67769
Mahoney, J. *see* Shotter, A.C. 9—89275
Mahoney, W.A. *see* Ling, J.C. 9—92829
Mahr von Staszewski, G. Thinning method for electron microscopy transparent silicon and germanium foils 9—49217
Mahrenholtz, O., Ismar, H. Some remarks on flow planes and flow laws in plastic mechanics 9—86359
Mahrenholtz, O.H., Mank, M.G., Zimmermann, R.U. The influence of waveform on peristaltic transport 9—79570
Mahrer, K.D., Nur, A. Strike slip faulting in a downward varying crust 9—84154
Mahy, T.X., Giessen, B.C. A new representative of the γ-Pu structure type: the crystal structure of $\beta(Hg_{0.80}In_{0.20})$ 9—51052
Mai, C. *see* Perez, J. 9—55754
Mai, F.R. *see* Alikov, B.A. 9—75828
Mai, H.H., Dimoff, K., Jean, B. Optical analysis of the interface between a moving arc and air at atmospheric pressure 9—90482
Mai, L.M. *see* Kuo, Y.C. 9—73777
Mai, L.V., Mashcheryakov, G.N. Effect of surface active interelectrode media on the effectiveness of electroerosion attack in isolated discharges 9—83462
Mai, T. *see* Halley, J.W. 9—97316
Mai, Y.W. Strength and fracture properties of asbestos-cement mortar composites 9—100241
Mai, Y.W., Leete, N.B. Discussion of 'Effect of environment on stability of cracking in brittle polymers' 9—100273
Mai, Y.W., Williams, J.G. Temperature and environmental effects on the fatigue fracture in polystyrene 9—79079
Maia, M. *see* Murdin, P. 9—92783
Maia, M.D. *see* Oliveira, C.G. 9—63101
Maiani, L. *see* Buccella, F. 9—67599
Maiani, L. *see* Cabibbo, N. 9—75765
Maidukova, T.P., Gudinitsa, E.N., Mandzhgaladze, E.A. Comparative assessment of the different methods of obtaining yttrium monoaluminate 9—95980
Maier, G., Giacomini, S., Paterlini, F. Combined elastoplastic and limit analysis via restricted basis linear programming 9—68595
Maier, G. *see* Dorr, W. 9—49803
Maier, G.V. The effects of intramolecular vibrational-energy redistribution in an isolated polyatomic molecule on the luminescence parameters 9—54890
Maier, H.-D. *see* Barth, E. 9—91389
Maier, J.P. *see* Allan, M. 9—72327
Maier, J.P. *see* Burger, F. 9—58845
Maier, K., Mehrer, H., Rein, G. Self-diffusion in molybdenum 9—86919
Maier, M. *see* Grassl, H.-P. 9—94289
Maier, M. *see* Protz, R. 9—77477
Maihara, T., Oda, N., Okuda, H. Stellar distribution in the inner Galaxy 9—80352
Maihara, T., Oda, N., Sugiyama, T., Okuda, H. The balloon borne observation of the galactic infrared radiation 9—80351
Maikov, V.G. *see* Shur, Ya.S. 9—70176
Maiks, Ya.E. *see* Upit, G.P. 9—49280
Mailer, C., Miller, D.M. Saturation transfer electron paramagnetic resonance spectral library 9—51841
Mailer, K. *see* Demille, G.R. 9—83700
Mailfert, A. *see* Davoust, M.-E. 9—73629
Maillard, D., Schriver, A., Perchard, J.P., Girardet, C. Study of hydracids trapped in monatomic matrices. I. Near infrared spectra and aggregate structures 9—89667
Maillard, D., Schriver, A., Perchard, J.P., Girardet, C. Study of hydracids trapped in monatomic matrices. II. Intermolecular potential calculations of the structure and spectral response of polymers 9—93996
Maillard, J. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Maillard, J.-P. *see* Amiot, C. 9—63999
Maillard, J.-P. *see* Flaud, J.-M. 9—72308
Maillot, D. *see* Linard, M. 9—74203
Maimin, Z.G. *see* Spiridonov, V.P. 9—86066
Maimistov, A.I., Manykin, E.A., Khodulev, L.B. Propagation of short optical pulses on generation of the third harmonic under two-photon resonance conditions 9—59768
Maimistov, A.I. *see* Gridin, V.A. 9—86221
Maimoni, A., Sacks, I., Cleland, L. Procedure for the assessment of material control and accounting systems [nuclear power safety] 9—85675
Main, I.G., Marshall, J.F., Robins, G.A., Johnson, C.E., Demazeau, G. Spin state of the Co^{3+} ion in $RCoO_3$ compounds with the $GdFeO_3$ structure 9—82751
Main, I.G. *see* Demazeau, G. 9—86760
Main, P. A theoretical comparison of the β, γ and $2F_0$-F_c syntheses 9—99018
Main, P.C. *see* Bagley, M. 9—51347
Main, R. *see* Avery, R.T. 9—68105
Main, R. *see* Reimers, R. 9—68103
Main, R.M., Tanabe, J.T., Halbach, K. Measurements and correction of the PEP interaction region quadrupole magnets 9—68104
Mainardi, F., Turchetti, G. Positivity constraints and approximation methods in linear viscoelasticity 9—92944
Maines, R.G. *see* Javaraman, A. 9—73551
Maines, R.G. *see* Lifshitz, N. 9—67337
Mainfray, G. *see* Agostini, P. 9—54824
Mainguy, A.-M. *see* Boudon, Y. 9—75505
Mainguy, J.P. Optimal control of haemodynamical parameters in heart disease 9—53182
Maini, M. *see* Dinelli, G. 9—57524
Mainka, E., Coerdt, W., Konig, W., Muller, H.G. Development of the chemical analysis of nuclear fuels 9—49690
Mainland, G.B. *see* Kitazoe, T. 9—49404
Mainwood, A. Substitutional impurities in diamond 9—87056
Maioli, M. *see* Graffi, S. 9—59395
Maiorov, A.A. *see* Korablev, V.V. 9—73386
Maiorov, M.M., Tsebers, A.O. Relaxation of magnetic birefringence and dichroism of ferromagnetic sols 9—57301
Maiorov, V.A. Investigation of the stability of a system for penetration gas cooling of a porous wall with external heat application 9—64761
Maiorov, V.A., Vasil'ev, L.L. Thermal state of an evaporative cooling system utilising porous walls with external heat supply. II. Thermal state of the vapour zone 9—64763
Maiorov, V.N. *see* Gurevich, I.I. 9—91332
Maiorov, V.V. *see* Pamfilov, E.A. 9—52523
Maiorova, E.G. *see* Kotlyarevskii, V.A. 9—70792
Maiorskii, B.Sh. *see* Dolgopolov, V.V. 9—100235
Mair, G. *see* Andersen, S.K. 9—97482
Mair, G. *see* Riechelt, K. 9—90900
Maire, G. *see* Legare, P. 9—86985
Maire, J.C. *see* Boyer, D. 9—64047
Mairesse, G., Barbier, P., Wignacourt, J.-P. Comparison of the crystal structures of alkaline (M=Li,Na,K,Rb,Cs) and pseudo-alkaline (M=NO,NH_4) tetrachloroaluminates, $MAlCl_4$ 9—73145
Mairesse, G. *see* Barbier, P. 9—69062
Mairle, G. *see* Doll, P. 9—97656
Maisch, E. *see* Walitza, E. 9—77252
Maisch, W.G. *see* Krebs, J.J. 9—82956
Maischberger, K. *see* Billing, H. 9—101076
Maiskaya, V.S. *see* Kagan, D.F. 9—57178
Maison, D. On the complete integrability of the stationary, axially symmetric Einstein equations 9—63099
Maison, D. *see* Burzlaff, J. 9—88863
Maison, J.M. *see* Rao, M.N. 9—89239
Maisonneuve, A., Margerie, J. Magnetic circular dichroism of M- and R-centres in KCl. IV. A calculation of the magneto-optical parameters of the R-centre in the point-ion lattice model 9—69814
Maisonnier, C. *see* Gentilini, A. 9—90435
Maiste, A. *see* Elango, M. 9—81176

Maiste, A.A., Ruus, R.E. Absorption spectra of sodium halides near the K edge of Na^+ 9—99982
Maister, I.M. *see* Shevchenko, O.V. 9—96007
Maistrenko, V.I. *see* Solomko, A.A. 9—56523
Maistrenko, V.N. *see* Solomko, A.A. 9—95650
Maistrovskii, L.B. *see* Buglaev, V.T. 9—85137
Maistruk, A.Ya. *see* Tkachenko, F.K. 9—52232
Maiti, M. On the extension of an external crack under non-uniform pressure 9—68657
Maiti, M. On the extension of a crack due to rigid inclusions 9—81812
Maiti, M. Stress distribution in vicinity of an external crack 9—98664
Maiti, M., Palit, S.S. On the formulation of plane problems of elasticity in terms of dislocation layers 9—64507
Maiti, M. *see* Venkataramana, J. 9—68625
Maiti, S.K. An elementary analysis of elastic impact problem 9—50628
Maiti, S.K. An elementary analysis of elastic longitudinal impact problems 9—72809
Maitland, J.S. *see* Jacobson, R.E. 9—79311
Maitra, K. *see* Deb, S. 9—61986
Maitre, H. *see* Fleuret, J. 9—86130
Maitrot, M. *see* Bechaz, G. 9—69892
Maitzen, H.M. *see* Fitzgerald, M.P. 9—88644
Maiya, P.S. Effects of notches on crack initiation in low-cycle fatigue 9—74249
Maiya, P.S., Majumdar, S. Effect of waveshape on crack initiation in low-cycle fatigue 9—79108
Maizel', G.M. *see* Gorbachev, V.A. 9—68569
Majernik, V., Kaluzny, J. On the auditory uncertainty relations 9—100622
Majerotto, W. *see* Bartl, A. 9—89143
Majerotto, W. *see* Fidecaro, G. 9—85343
Majerova, M. *see* Klumpar, J. 9—63861, 9—67967, 9—89518
Majewski, A., Bialkowski, M. Computations of a dipole moment of a conducting body in uniform electric field 9—76546
Majewski, R.E., Edelstein, A.S., Dwight, A.E. Suceptibility measurements on $(La,Ce)Al_3$ 9—78310
Majewski, R.E., Edelstein, A.S., Dwight, A.E. Near stabilization of the Ce moment upon dilution in $(Ce, La)Al_3$ 9—91209
Majewski, S. *see* Breskin, A. 9—49904
Majewski, S. *see* Charpak, G. 9—93871
Majewski, W. A phonetic test to subjective measurements of reference equivalent 9—98572
Majgier-Baranowska, H., Maka, E. Density measurements within a wide range of temperature 9—97361
Majgier-Baranowska, H. *see* Pyzuk, W. 9—61336
Majhofer, A. *see* Dudek, J. 9—97673
Majic, V., Beleslin, B., Stamenovic, B., Dekleva, N. Biomagnetism 9—53164
Majima, H. *see* Matsuda, K. 9—70002
Majima, M. *see* Tanimura, S. 9—52474
Majka, Z. *see* Gils, H.J. 9—97716
Majkrzak, C.F., Shirane, G., Thomlinson, W., Ishikawa, M., Fischer, O., Moncton, D.E. A neutron diffraction study of the coexistence of antiferromagnetism and superconductivity in $GdMo_6S_8$ 9—99685
Majling, J., Hanic, F. Crystal data for $Na_3Mg_2P_5O_{16}$ 9—51072
Majling, J. *see* Balkovic, S. 9—69099
Majling, J. *see* Hanic, F. 9—51071
Majling, J. *see* Smolin, Yu.I. 9—94978
Majling, L., Sotona, M., Zofka, J., Fetisov, V.N., Eramzhyan, R.A. On the structure of strangeness analogue resonances in $^6_\Lambda Li$ hypernucleus 9—85566
Majni, G., Ottaviani, G., Galli, E. AuAl compound formation by thin film interactions 9—99442
Majni, G. *see* Canali, C. 9—51442
Majni, G. *see* Della Mea, G. 9—69130
Major, J. *see* Harmat, P. 9—97380
Major, M.A., Burczak, J.D., Kellogg, T.F. An improved technique for the determination of respiratory $^{14}CO_2$ as $Ba^{14}CO_3$, utilizing thermal decomposition in a sample oxidizer 9—88153
Majorov, V.N. *see* Grebinnik, V.G. 9—56667, 9—56694
Majorowicz, J. Mantle heat flow and geotherms for major tectonic units in Central Europe 9—70767
Majumdar, A.J. *see* Boell, G.R. 9—66046
Majumdar, A.K. Higher-order skewness and excess coefficients of some probability distributions applicable to optical propagation phenomena 9—50224
Majumdar, A.K., Hinkley, E.D., Menzies, R.T. Infrared transmission at the 3.39 μm helium-neon laser wavelength in liquid-core quartz fibers 9—81532
Majumdar, A.K. *see* Nigam, A.K. 9—78077
Majumdar, C.K. *see* Rao, R.S. 9—95317
Majumdar, N.C., Garg, O.P., Agarwal, B.K. A fresh approach to the study of atmospheric turbidity 9—100941
Majumdar, P., Scully, J.C. Reversible embrittlement in Zircaloy-2 9—91833
Majumdar, S., Misra, B., Harkness, S.D. Thermal stress and creep fatigue limitations in first wall design 9—76132
Majumdar, S. *see* Maiya, P.S. 9—79108
Majumdar, S.Datta *see* Datta Majumdar, S.
Mak, A.A. *see* Alekseev, V.N. 9—64237
Mak, A.A. *see* Galaktionova, N.M. 9—63317
Mak, A.M., Mustaev, K.Sh., Papernyi, S.B., Serebryakov, V.A., Yashin, V.E. Change in the spatial characteristics of Stokes radiation amplified in the spatially incoherent pump field of a stimulated-Raman-scattering amplifier 9—89971
Mak, D.-K. *see* Perz, J.M. 9—77985
Mak, H.-B. *see* Sinha, K.N. 9—71859
Maka, E. *see* Majgier-Baranowska, H. 9—97361
Makagonova, N.N., Us'yarov, O.G., Abramzon, A.A. Study of aggregation equilibrium in invert emulsions 9—66356
Makagonova, S.K. *see* Denisov, S.B. 9—62626, 9—74990
Makai, B. *see* Lacroix, A. 9—59885
Makarchenko, V.G. *see* Kurolenkin, E.I. 9—57176
Makarchuk, A.A. *see* Kandaurov, L.E. 9—52539
Makarchuk, V.N. *see* Korchevoi, Yu.P. 9—77448, 9—90374
Makarenko, G.I. *see* Ivanov, S.T. 9—59622
Makarenko, G.N. *see* Kuzenkova, M.A. 9—100097
Makarenko, S.P. *see* Babkov, L.M. 9—91450
Makarenko, V.N., Yukhimuk, A.K., Yagodzinskii, Yu.N. Plasma instability in solar wind 9—96877
Makarevich, E.B. *see* Karataeva, T.P. 9—52032
Makarevich, V.A., Ryabchenko, V.A. Energetics of stationary circulation in the Pacific Ocean (according to the results of numerical experiments) 9—53360
Makarevskaya, E.V. *see* Blistanov, A.A. 9—64295
Makarevskaya, V.V. *see* Lutsyk, V.I. 9—87619
Makarie, G. *see* Gromov, K.Ya. 9—75918
Makarious, S.H. Thermal exciting energy of atmospheric tides 9—70833
Makariunas, K., Makariuniene, E., Dragunas, A. Effect of chemical structure on the radioactive decay rate of ^{71}Ge 9—97683
Makariunas, K. *see* Boruta, J. 9—59556
Makariuniene, E. *see* Makariunas, K. 9—97683
Makarov, A.A. *see* Velikhov, E.P. 9—89802
Makarov, A.D. *see* Rudenko, T.I. 9—53060, 9—92177
Makarov, A.I. *see* Averbakh, V.S. 9—72628
Makarov, A.M., Romanovskii, M.R. Solution of inverse coefficient problems by the regularization method using spline functions 9—88797
Makarov, A.P. A case of rigorous solution of the equations of motion of an ideal liquid 9—90362
Makarov, A.S. *see* Filippov, V.L. 9—84484
Makarov, E.L. *see* Fedorov, V.G. 9—87731
Makarov, G.N., Umarov, N.N. Utilizing interval evaluation of measurement errors for process testing purposes 9—71398
Makarov, G.N. *see* Ambartzumian, R.V. 9—54926
Makarov, I.G. *see* Budker, G.I. 9—72176
Makarov, I.S. *see* Golubev, V.A. 9—86480
Makarov, I.T. *see* Grigor'ev, V.M. 9—80168
Makarov, K.N. *see* Krasil'nikov, D.D. 9—80115
Makarov, L.G. *see* Aksenov, V.G. 9—54224
Makarov, L.G. *see* Baldin, A.M. 9—72125
Makarov, M.M. *see* Baturin, V.N. 9—85477
Makarov, M.M. *see* Kravtsov, A.V. 9—76026
Makarov, R.I., Romanov, V.F., Fedorova, L.V. Execution of the 'glassmaking councillor' subsystem in an automated glass-melting control system 9—61553
Makarov, V.A., Korchagin, G.N., Khakimullina, L.Sh., Lazarev, K.I. Investigation of the process of electrochemical treatment by an electrode with a cellular arrangement of drain apertures 9—96164
Makarov, V.I. *see* Gorbunov, B.Z. 9—53465
Makarov, V.M. Nondestructive testing of the quality of wound high-pressure vessels 9—100313
Makarov, V.V. *see* Belyaev, A.A. 9—80861
Makarov, Yu.N. *see* Sazhin, S.G. 9—52595
Makarov, Yu.V. *see* Bagdonas, A.V. 9—55573
Makarova, G.A. *see* Borishanskiy, V.M. 9—90244
Makarova, L.N. Vertical drift of the F_2 layer associated with a polar substorm 9—53618
Makarova, T.M. *see* Tikhonova, Z.I. 9—76777
Makarskii, V.V. *see* Starova, G.L. 9—55735
Makarushkin, V.I. *see* Ulybin, S.A. 9—60536
Makaryunas, K.V., Makaryunene, E.K., Dragunas, A.K. Chemical effect on the probability of electron capture by the ^{113}Sn nucleus 9—54412
Makaryunene, E.K. *see* Makaryunas, K.V. 9—54412
Makashev, N.K. *see* Galkin, V.S. 9—77052
Makashev, N.K. *see* Kogan, M.N. 9—81993
Makdisi, Y. *see* Igo, G. 9—80916
Makeev, A.I., Mitsay, Yu.N. On the dynamic behaviour of the order parameter 9—91184
Makeev, E.L. *see* Balbekov, V.I. 9—63829
Makeev, E.M. Transverse bending of a reinforced cylindrical shell with a view to the rigidity of local insertions 9—90154
Makeev, I.F. *see* Pevzner, B.I. 9—52504
Makeev, V.V. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Makeev, Yu.I., Suetin, P.E., Chernyak, V.G. Heat transfer in a rarefied gas between parallel surfaces for four collisional models 9—86464
Makela, J. *see* Bakken, V. 9—63549
Makenas, B.J. *see* Brun, T.O. 9—94962
Makenas, B.J. *see* Kajitani, T. 9—94945
Maker, P. *see* Niki, H. 9—66785
Maker, P.D. *see* Su, F. 9—93994
Maker, P.D. *see* Weber, W.H. 9—98092
Maker, S. *see* Williams, G. 9—101222
Makey, D.G. *see* Bianco, J.A. 9—79633
Makhaldiani, N.V. *see* Katyshev, Yu.V. 9—98735
Makhanek, A.G., Skripko, G.A. Application of two-photon spectroscopy in the study of trivalent rare-earth ions in crystals 9—83023
Makhankov, V.G. *see* Katyshev, Yu.V. 9—98735
Makhan'kov, V.I. *see* Shemonaev, G.P. 9—67305
Makhidzhanov, S.S. *see* Kurbatov, L.N. 9—69605
Makhin, V.S. *see* Rhzhik, A.B. 9—100375
Makhkamov, Sh. *see* Azimov, S.A. 9—91099
Makhkamov, Sh. *see* Yunusov, M.S. 9—90997
Makhkamov, S.M. *see* Entov, V.M. 9—72917
Makhljueva, I.V. *see* Berge, J.P. 9—71741
Makhlyueva, I.V. *see* Efremenko, V.I. 9—75763
Makhmotov, I.M. *see* Gunyaev, G.M. 9—87699
Makhmudov, B.M. *see* Khristiansen, G.V. 9—80166
Makhnenko, L.A. *see* Batygin, Yu.V. 9—63856
Makhnev, E.S. *see* Anisimova, L.I. 9—91657
Makhnev, E.S. *see* Madyanov, S.A. 9—79011
Makhnev, E.S. *see* Mikheev, M.N. 9—83197
Makhnovskii, E.D. *see* Volkov, Yu.M. 9—85434
Makhon'kov, A.S. *see* Klimanov, V.A. 9—93681
Makhotina, L.G. *see* Baranova, V.G. 9—58817
Makhoul, J. *see* Berouti, M. 9—64415
Makhoul, J. *see* Blackman, E. 9—55276
Makhoul, J. *see* Schwartz, R. 9—64440
Makhov, V.N. *see* Aleksandrov, Yu.M. 9—54202
Makhova, M.K. *see* Belotskii, D.P. 9—87617
Makhutov, N.A. *see* Larionov, V.V. 9—87709
Maki, H. *see* Akaboshi, M. 9—57709
Maki, H. *see* Kawamoto, K. 9—66305
Maki, K. New nonlinear conduction mechanisms in charge-density-wave condensates in two or three space dimensions 9—60807
Maki, K. Solitons in low temperature physics 9—63057
Maki, K. Textures in superfluid ^3He 9—82410
Maki, K., Kataoka, Y., Yamamoto, T. Theory of phase transitions in solid methanes. XII. Orientational order of molecules in phase III 9—51042
Maki, K., Nose, S. Orientational order and phase transitions in a two-dimensional triangular octopolar array 9—95257
Maki, K. *see* Ami, S. 9—60968
Maki, K. *see* Bruinsma, R. 9—60585
Maki, K. *see* Kleinert, H. 9—60586, 9—95392
Maki, K. *see* Lin-Liu, Y.R. 9—95235
Maki, K. *see* Sako, K. 9—76126
Maki, K. *see* Vollhardt, D. 9—82407
Maki, M. *see* Kobayashi, I. 9—52976
Maki, M. *see* Kuroda, E. 9—52108
Maki, M. *see* Shintani, A. 9—65336
Maki, S., Adachi, K. Antiferromagnetism and weak ferromagnetism of disordered BCC Cr-Mn alloys 9—56514
Maki, T., Mao Hsung Chang Demountable and bakeable ultra-high vacuum seals using aluminum wire gaskets 9—93154
Maki, T. *see* Matsuki, S. 9—67777
Makiej, B., Sikora, A., Trojnar, E. On the mechanism of the current induced transition S→N in the type II superconducting wires 9—56468
Makikawa, M. *see* Tamura, H. 9—83763
Makimoto, K. *see* Kobayashi, S. 9—53373
Makimoto, T. *see* Nemoto, S. 9—59633, 9—72612, 9—94354
Makimoto, T. *see* Shirasaki, H. 9—77887
Makimoto, T. *see* Sugimoto, M. 9—76924
Makin, V.S. *see* Bonch-Bruevich, A.M. 9—65884
Makin, V.S. *see* Dorofeev, V.G. 9—50360
Makino, A. *see* Kariya, K. 9—96839
Makino, K., Michiyoshi, I. Effects of the initial size of water droplet on its evaporation on heated surfaces 9—68558
Makino, K. *see* Yoshioka, R. 9—81042
Makino, S. *see* Niitsu, Y. 9—55274
Makishima, A., Mackenzie, J.D., Hammel, J.J. The leaching of phase-separated sodium borosilicate glasses 9—66394
Makishima, A., Ustugi, T., Sakaino, T. Gruneisen's constant of low expansion aluminosilicate glass containing copper oxide 9—77779
Makishima, K. *see* Oda, M. 9—80220
Makita, Y. Phase transitions in alkali metal trihydrogen selenites 9—65812
Makita, Y. *see* Mukai, S. 9—78117
Makita, Y. *see* Yao, T. 9—100059
Maklad, F. *see* Wright, C.H. 9—53198
Maklad, M.S., Asam, A.R., Akers, F. Bending and microbending losses in single-mode fibers and cables 9—50417
Maklad, N.F. *see* Ophir, J. 9—66581
Maklakov, A.I. *see* Chenborisova, L.Ya. 9—52790
Makler, S. *see* Esquivel, D.M.S. 9—76360
Maklyaev, E.F. *see* Bondarenko, V.G. 9—84676
Mako, F., Fisher, A., Rostoker, N., Tzach, D., Roberson, C.W. Collective ion acceleration controlled by a gas gradient 9—76169
Makogon, Yu.N. The minimum electroresistivity in non-magnetic manganese alloys at low temperatures 9—91021
Makogon, Yu.N. *see* Nikolin, B.I. 9—87667

Makogonova, T.I. *see* Malinochka, Ya.N. 9—52191

Makomaski, A.H. *see* Kekez, M.M. 9—55526

Makoshi, K. Effect of spin fluctuations on the ultrasonic attentuation in itinerant electron systems with helical spin structures 9—78497

Makous, W., Peeples, D. Rod-cone interaction: reconciliation with Flamant and Stiles 9—100607

Makovestskii, A.A. *see* Galduk, M.I. 9—98377

Makovetskii, I.V. *see* Koval'chuk, B.I. 9—66084, 9—66130

Makovetskii, Yu.V., Feoktistov, A.I. On the decay of ^{146}Gd 9—75916

Makovetskii, Yu.V. *see* Bulgakov, V.V. 9—75909

Makovicky, E., Hyde, B.G. On modulated, non-commensurate layer structures (nomenclature and classification) 9—94931

Makovskii, A.A., Mitenkov, F.M., Pakhomov, V.V., Shiryaev, V.I. Comparative analysis of layout and design in the BN-600 and BN-350 reactors 9—97781

Makowitz, H., Powell, J.R., Fillo, J.A., Lazareth, O. Comparison of minimum-activity aluminium blanket/shield designs for D-T and D-^{3}He fusion blankets 9—85796

Makowitz, H. *see* Powell, J. 9—49861

Makowska-Rzeszutko, M. Two and four-nucleon transfer to ^{12}C in reactions with vector-polarized ^{6}Li 9—97697

Makram, H. *see* Fadly, M. 9—82955

Makris, J. *see* Ginzburg, A. 9—57893, 9—79766

Makritskii, Y.V. *see* Zhukov, N.D. 9—50298

Makrova, L.T. *see* Vagin, L.N. 9—81394

Maksak, V.I. *see* Kashcheev, V.N. 9—81820

Maksakov, V.S., Solodovnik, P.S. Optimum conditions for the electrodeposition of iron-nickel-cobalt coatings 9—83292

Makshantsev, B.I. *see* Agranat, M.B. 9—95879

Makshantsev, B.I. *see* Pilipetskii, N.F. 9—86207

Maksic, Z.B., Rupnik, K. Semiempirical studies of core electron binding energy shifts. VI. SCC-MO calculations of F(1s) equatorial and axial energy levels in PF_5, SF_4 and ClF_3 9—64045

Maksimchuk, E.V. *see* Tananaev, I.V. 9—78942

Maksimchuk, V.E. *see* Kuznetsova, V.G. 9—96736

Maksimchuk, V.Ye. *see* Kuznetsova, V.G. 9—53301

Maksimenko, E.A. *see* Larikov, I.N. 9—77639

Maksimenko, E.A. *see* Larikov, L.N. 9—87689

Maksimenko, V.M. *see* Baiburina, S.G. 9—80156, 9—80170

Maksimenko, Yu.N., Poludin, V.I., Svechnikov, S.V., Stepanchuk, V.P., Torchun, N.M. Effect of the morphology of the surface of a transparent conducting support on the structure of ZnS.Mn films and the parameters of the voltage-brightness curve 9—56092

Maksimishin, M.D. *see* Babei, Yu.I. 9—52435

Maksimov, A.B. *see* Khomenyuk, Yu.V. 9—74986

Maksimov, A.I. *see* Tikhomirov, S.A. 9—85984

Maksimov, A.O. *see* Gurzhi, R.N. 9—65158

Maksimov, B.A., Ilyukhin, V.V., Belov, N.V. Crystal structure of Na_2CoGeO_4 orthogermanate 9—90626

Maksimov, B.A. *see* Sokolov, Yu.A. 9—90577, 9—90631

Maksimov, D.E. *see* Rudnevskii, N.K. 9—52859

Maksimov, E.A. *see* Stradomskii, M.V. 9—68554

Maksimov, G.P. *see* Legasov, V.A. 9—91947

Maksimov, G.V., Fedorov, G.Ye., Kol's, O.R. Change in the ATPase activity of the nerve trunk of the Pacific Ocean squid as a function of the frequency of stimulation 9—57620

Maksimov, I.A., Filanovskii, B.K., Shestopalov, Yu.N. Some parameters of commercial electrochemical cells 9—70334

Maksimov, I.I. *see* Shcherbinskii, V.G. 9—79212

Maksimov, L.A. *see* Atoyan, A.M. 9—95180

Maksimov, L.A. *see* Kagan, Yu. 9—51235

Maksimov, R.D. *see* Plume, E.Z. 9—98603

Maksimov, S.K. Osmotic force and propagation of misfit nets 9—65108

Maksimov, S.P., Kravtsova, V.P., Gashin, V.M., Gur'yanov, V.V., Schcherbakov, V.P., Misin, M.S., Sizova, G.P. High-efficiency cryovacuum adsorbent 9—63249

Maksimov, S.V. *see* Grigor'ev, V.M. 9—80168

Maksimov, V.K. *see* Alemasov, V.Ye. 9—94700

Maksimov, V.L. *see* Verenkova, E.M. 9—79151

Maksimov, Yu.N. *see* Bonch-Bruevich, A.M. 9—85935

Maksimova, S.I. *see* Marenkin, S.F. 9—51268

Maksimova, S.I. *see* Palkina, K.K. 9—90623

Maksimovic, R., Marinkovic, M.M., Maskovic, L., Tosic, B.S. Spin-orbital interaction and single-electron excitations 9—54780

Maksimovic, R., Nikin, B., Marinkovic, M., Tosic, B. On some problems of analysis of isotropic antiferromagnets 9—82734

Maksimovic, R., Skrinjar, M.J., Stojanovic, S.D. Davydov splitting and kinematical interaction of excitons 9—56132

Maksimovic, R., Skrinjar, M.J., Tosic, B.S. Kinematical interaction of excitons and Davydov splitting 9—82528

Maksimovic, Z. *see* Krtil, J. 9—63746

Maksimovic, Z. *see* Sus, F. 9—89373

Maksimovich, G.G., Fedirko, V.N., Lunev, V.V., Azarov, N.I. On the influence of the nature of non-metallic inclusions on the low-temperature toughness of deformed steel 9—52346

Maksimovich, G.G., Lyutii, E.M., Eliseeva, O.I., Sinchenko, N.M. The effect of aging time on the high-temperature strength of the Nb-Zr-C alloy 9—52249

Maksimovich, G.G., Meshcheryakov, T.N., Tretyak, I.Yu., Azbukin, V.G., Pavlov, V.N. Long-time strength and ductility of corrosion-resistant martensitic steel 07Kh16N4B at temperatures of 340-450°C 9—100233

Maksimovich, G.G. *see* Karpinos, D.M. 9—96135

Maksimovich, H.K. *see* Boiko, V.V. 9—51995

Maksimovich, Kh.K. *see* Kalabukhova, E.N. 9—99768

Maksimyuk, P.A., Litvin, S.E., Navratil, V., Hamersky, M. Internal friction in Cd+Zn alloy single crystals 9—87673

Maksin, V.I. *see* Belyi, M.U. 9—56848

Maksinov, V.M. *see* Rokityanskiy, L.I. 9—62432

Maksym, J.N. A robust formulation of an optimum cross-spectral beamformer for line arrays 9—68495

Maksymowicz, A. Antiferromagnetic ground state in the Hubbard model 9—82742

Maksymowicz, A., Kozlowski, A., Kulakowski, K. The critical temperature of charge ordering in the localized state 9—69456

Maksyutenko, B.P., Tarasko, M.Z., Shimanskii, A.A. Analysis of the composition of a multicomponent mixture of fissionable materials by delayed-neutron decay 9—71899

Maksyutenko, S.N. *see* Povkh, I.L. 9—77101

Maktaz, I.P. Investigation of physical and operational characteristics of roentgenokymographic units 9—57747

Makushenko, A.M. *see* Stolbova, O.V. 9—54892

Makushev, S.Yu. *see* Vintaikin, E.Z. 9—87693

Makushkin, Yu.S., Ulenikov, O.N., Cheglokov, A.E. Transformation of operators of coordinates and momenta in molecules with internal rotation 9—63982

Malafeev, Yu.S. *see* Vlasenko, S.I. 9—55583

Malaga, A., McIntosh, R.E. Analysis of HF pulse reflection from a randomly varying ionosphere 9—84568

Malagnini, M.L., Sicuranza, G.L. Astronomical applications of interactive imaging techniques 9—58266

Malaguti, F., Uguzzoni, A., Verondini, E. Comparison between blocking lifetime measurements in the ^{27}Al(p,α_0) reaction at E_p=887.8 keV 9—59041

Malaguti, F., Uguzzoni, A., Verondini, E. Lifetime of the 937- and 885-keV resonances in the ^{27}Al(p,α) reaction 9—63671

Malahoff, A., Hussong, D., Odegard, M., Udintsev, G.B., Kosminskaya, I.P., Mouravova, Ye.A. The crustal structure in the Marcus Island area of the Pacific Ocean 9—53331

Malaise, E.P. *see* Guichard, M. 9—74723

Malakhov, A.I. *see* Astvatsaturov, R.G. 9—76259

Malakhov, A.N., Muzychuk, O.V., Pozumentov, I.E. Differential description of stochastic linear systems with nonwhite parameter fluctuations 9—85082

Malakhov, A.N. *see* Gurbatov, S.N. 9—94391

Malakhov, B.A., Pokalyakin, V.I., Gorelov, A.N., Ormont, A.B. A study of switching and memory effects in MOS structures 9—78197

Malakhov, G.V. *see* Kononenko, A.S. 9—52397

Malakis, A. A modified antiferroelectric six-vertex model 9—93050

Malaman, B., Steinmetz, J. Two new ternary compounds with related structures: TiSnSe type $CuMg_2$, and NbSnSb type $CuAl_2$ 9—90596

Malaman, B. *see* Le Caer, G. 9—91323

Malamed, E.R., Zabelin, V.A., Skvortsov, Yu.S., Gorelik, M.S. Photoelectric transducer for linear displacements 9—50404

Malamed, E.R. *see* Skvortsov, Yu.S. 9—71524

Malamud, E. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Malandain, J.-J. *see* Cumbrera, F. 9—90554

Malanowski, L. *see* Appelt, K. 9—100507

Malanushenko, V.P. *see* Kondrat'eva, T.N. 9—92869

Malaprade, G., Rouby, D., Fantozzi, G., Gobin, P.F. Influence of rapidity of deformation on the mechanical behaviour of mild steels and low alloy steels with high elastic limits 9—57056

Malarkey, E. *see* Mergerian, D. 9—50444

Malaroda, S., Levato, H. Chemical elements in the spectrum of HD 161698 9—58354

Malashchenko, A.T. *see* Bokut', B.V. 9—50336

Malashchenko, V.A. *see* Kozlov, N.P. 9—93235

Malashkin, I.I. *see* Polonskii, V.S. 9—55371

Malathy Devi, V., Reddy, S.P., Narahari Rao, K., Flaud, J.M., Camy-Peyret, C. Interpretation of diode laser spectra of ozone at 14 μm: (010) and (020) states of ozone 9—98079

Malatidis, N.A., Wachtel, E. The magnetic properties of liquid Co-Mn-Sn-alloys 9—87235

Malaval, G., Robert, E., Ferrari, L., Sauvage, M. Design and construction of SuperPhenix 9—97761

Malavaud, A. *see* Quemener, Y. 9—56898

Malaviya, B.K. *see* Amorim, E.S. 9—80988

Malaviya, B.K. *see* Lahey, R.T., Jr. 9—93791

Malaya, E.M. *see* Korobko, V.I. 9—94722

Malbouisson, J.M. *see* Cuden, C.B. 9—51925

Malbrunot, P. *see* Abachi, H. 9—67311

Mal'chenko, N.I. *see* Kocharov, G.E. 9—84599

Malcher, J. *see* Szaro, L. 9—56276

Malchow, H. *see* Ebeling, W. 9—79224

Mal'chuzhenko, K.V. *see* Betekhtin, V.I. 9—99405

Mal'chuzhenko, K.V. *see* Ivanov, S.A. 9—55607

Mal'chuzhenko, K.V. *see* Smirnov, B.I. 9—100228

Maldague, P.F. Positrons in metals: a real-space approach 9—95874

Maldague, P.F., Kukkonen, C.A. Electron-electron scattering and the electrical resistivity of metals 9—95396

Maldague, P.F. *see* Kukkonen, C.A. 9—69530

Maldague, P.F. *see* Tremblay, A.-M. 9—69484

Maldutic, E.K. *see* Dement'ev, A.S. 9—99846

Maldutis, E.K. *see* Bal'kyavichyus, P.I. 9—56890, 9—59762

Maldy, J., Dubots, P., Gerard, J. Mixed superconducting threads containing niobium-titanium filaments as superconducting constituents 9—73649

Male, D.H. *see* Granger, R.J. 9—84310

Malecki, A. *see* Dymarz, R. 9—54444, 9—85557, 9—97703

Malecki, H. *see* Czerbniak, J. 9—51174

Malecki, I. Recent applications of physical acoustics 9—55258

Maleev, E.N., Lapina, E.A., Ermakov, D.S. Study of the effect of the background transmission of narrow-band interference filters on the effective wavelength value of a spectropyrometer 9—72687

Maleev, S.V. Critical dynamics of ferromagnets above the Curie point 9—87262

Malek, Z., Jelinek, J., Ryska, A. A handy cryosurgical instrument for proctological and gynaecological operations for malignant tumours 9—70699

Malek-Mansour, M., Houard, J. A new approximation scheme for the study of fluctuations in nonuniform nonequilibrium systems 9—58637

Malek-Mansour, M. *see* Nicolis, G. 9—79221

Malenchenko, A.F. Some aspects of the influence of atomic and thermal energetics on ecological surroundings 9—70494

Malenfant, R.E. Electro-nuclear fuel producer 9—81063

Maletskaya, K.D. *see* Dolinskii, A.A. 9—68561

Maletta, H., Felsch, W. The non-metallic spin glass system (EuSr)S 9—61175

Maletta, H. *see* Eiselt, G. 9—78348

Maletti, R. *see* Ziegenbein, D. 9—89467

Malev, V.V. Calculation of the parameters of transfer of ions across bilayer membranes on the basis of the results of steady measurements 9—53053

Malevich, I.A. *see* Volod'ko, L.V. 9—85185

Malevich, V.L., Shermergor, T.D. Drag of electrons by photons in semiconductors during intraband absorption of light 9—51633

Malevich, V.L., Shermergor, T.D. High-frequency Kerr effect in a semiconductor 9—64294

Malevskii, A.L., Starostenko, N.N. Complex optimisation and choice of optimal scheme of a single circuit APS with a gas cooled reactor in N_2O_4 9—59159

Malevskii, Yu.B., Vasil'ev, V.G., Dovzhenko, V.A., Borodenko, V.M., Levadnaya, V.I., Efimov, A.A. The transformation of austenite in the 16G2AFSh steel under the effect of the welding thermal cycle 9—83200

Malevskii, Yu.N., Milevskaya, N.G., Tsvetkov, A.I. Technical and economical evaluation of panel-type solar thermoelectric generator application for water lift 9—83619

Malevskii, Yu.N. *see* Koryagin, N.I. 9—96421

Malewicki, R.L. *see* Kirk, M.A. 9—61470

Maley, M.P. *see* Thompson, J.D. 9—56455, 9—87217

Malezic, M. *see* Trnkoczy, A. 9—57810

Malfliet, R.A., Karant, Y. On the fragmentation of the projectile in relativistic heavy-ion collisions 9—97724

Malherbe, J.B. *see* Scheffler, T.B. 9—72227

Malhotra, B.D. *see* Bhide, V.G. 9—61460

Malhotra, P.K. *see* Rangaswamy, T.N. 9—54351

Malhotra, P.L. *see* Nalinimohan Rao, M. 9—88519

Malhotra, R.C. *see* Raghava, A.K. 9—77316

Malhotra, R.C. *see* Sharma, R.S. 9—77189

Malhotra, V.J. *see* Ghosh, B.B. 9—84575

Malhotra Shadi Lal *see* Shadi Lal Malhotra

Malik, J., Rosinski, K. Spatial distribution of polarization in optically pumped cesium vapour 9—76392

Malik, M.A.S., Buelow, F.H. Analytical model for determining the heat transfer coefficients in no-glass flat plate collectors used for drying agricultural crops 9—70465

Malik, M.A.S., Coffari, E., Puri, V.M., Ahmed, S.F. Performance of a solar heated and cooled home in Kuwait environment 9—62130

Malik, M.A.S., Khatry, A.K., Rassas, M.M., Mathur, S.S., Sodha, M.S. Model for transient thermal flux into a building: some new results 9—62144
Malik, M.A.S., Shihab-Eldin, A., Puri, V.M., Debs, A.S., Lokmanhekim, M., Sodha, M.S., Warfield, G. Solar energy research, development and demonstration program in Kuwait 9—57371
Malik, M.A.S. *see* Sodha, M.S. 9—59980, 9—70432
Malik, N.H., Qureshi, A.H. Calculation of discharge inception voltages in SF_6-N_2 mixtures 9—68966
Malik, N.H., Qureshi, A.H., Theophilus, G.D. Static field breakdown of SF_6-N_2 mixtures in rod-plane gaps 9—68965
Malik, S.K., Wallace, W.E., Vijayaraghavan, R. Crystal-field effects on the crossover temperature of Sm^{3+} magnetization in magnetically ordered samarium compounds 9—69656
Malik, S.K. *see* Grover, A.K. 9—65643
Malik, Z., Morton, J., Ruiz, C. An experimental investigation into the buckling of cylindrical shells of variable-wall thickness under radial external pressure 9—96082
Malikov, G.K., Shklyar, F.R., Lobanov, D.L., Korshunov, V.A. Experimental investigation of convective heat transfer during combustion of opposed gas-air jets 9—72960
Malikov, M.M. *see* Alikov, B.A. 9—75828, 9—75919
Malikov, M.M. *see* Stotskii, G.I. 9—86173
Malikov, M.M. *see* Vavryshuk, Ya. 9—49597
Malin, A.S., Hatherly, M. Microstructure of cold-rolled copper 9—83216
Malin, D. *see* Murdin, P. 9—101093
Malin, D.F., Zealey, W.J. Astrophotography with unsharp masking 9—88603
Malin, J.S. *see* Denton, R.V. 9—72522
Malin, K., Schmitt, A. Mass flow meter 9—77302
Malin, P.E. *see* Leary, P.C. 9—57863
Malin, S., Mansfield, V.N. The coupling of matter and radiation in scale covariant cosmology 9—62937
Malin, S. *see* Charach, Ch. 9—53949
Malin, S. *see* Gersten, A. 9—67485
Malin, S.R.C. *see* Barraclough, D.R. 9—88249
Malin, S.R.C. *see* Hide, R. 9—75147
Malina, R.F. *see* Finley, D.S. 9—50363
Malina, V., Kohout, J., Misek, J., Zelinka, J. Related structural, electrical and photoelectrical properties of vacuum-deposited GaP thin films 9—82698
Malinauskas, A.P. *see* Lorenz, R.A. 9—49780
Malinenko, I.A., Perelygina, E.A., Chudinova, S.A., Shivrin, O.N. Investigation of radiation-induced defects in single crystals of germanium by means of diffuse scattering of X-rays 9—95048
Malinin, A.Ju., Nevsky, O.B. Calculations of LPE layer thickness 9—51453
Malinin, A.Ju., Nevsky, O.B., Khrjapov, V.T., Minadjinov, M.S. LPE growth rate calculations 9—52134
Malinin, B.G. *see* Gratsianov, K.V. 9—72609
Malinin, V.G. *see* Kuptsova, V.S. 9—98723
Malinka, A.V. *see* Bron, Yu.M. 9—79210
Malinkin, N.A. *see* Bykov, R.E. 9—89026
Malinko, S.V. *see* Berzina, I.G. 9—74477
Malinochka, Ya.N., Olikhova, M.A., Makogonova, T.I. Nature of sulphides in Fe-V-S and Fe-C-V-S alloys 9—52191
Malinov, L.S., Konop, V.I. Controlling the martensitic transformation in Cr-Mn austenitic steels under load 9—100141
Malinovski, A. *see* Glattli, H. 9—75982
Malinovski, V.K. *see* Zdanov, V.G. 9—98453
Malinovskii, L.L. *see* Ainitdinov, Kh.A. 9—60987
Malinovskii, T.I. *see* Alekseevskii, N.E. 9—86773
Malinovskii, V.A. Fastening steel wire rope for tensile testing 9—87779
Malinovskii, V.K. *see* Zhdanov, V.G. 9—65948
Malinowska-Adamska, C. Potential energy parameters from crystalline state properties 9—73124
Malinowska-Adamska, C., Wojtczak, L. Influence of lattice constant fluctuations on the thermal properties of crystals 9—77715
Malinowski, D.D., Duhn, E.F. The benefits of contaminant control on Westinghouse steam generator operations 9—93818
Malinowski, D.D. *see* Duhn, E.R. 9—54555
Malinowski, E.R. Theory of error for target factor analysis with applications to mass spectrometry and nuclear magnetic resonance spectrometry 9—49263
Malinowski, M.E. AES detection of TiD_2 decomposition 9—91937
Malinowski, P., Polasik, M., Jankowski, K. Accurate second order correlation energies of He and Be 9—97985
Malinowski, P. *see* Jankowski, K. 9—93927
Malins, R.J. *see* Tardy, D.C. 9—74351
Malinski, T., Zagorski, Z.P. Microviscosity of aqueous dextran solutions investigated by square-wave polarography 9—95200
Malinskii, Yu.M. *see* Tikhomirova, N.S. 9—51315
Malinsky, I.A. *see* Burenin, A.V. 9—98062
Malis, T., Gleiter, H. On the structure of the ferroelectric-paraelectric transformation interface in barium titanate. I. Basic structure and charactersitics 9—95717
Malis, T., Gleiter, H. On the structure of the ferroelectric-paraelectric transformation interface in barium titanate. II. Influence of domain boundaries 9—95718
Malishauskas, M.A. *see* Valis, A.S. 9—81396
Malishev, I.F. *see* Basargin, Yu.G. 9—54628
Malishev, V.M. *see* Saidov, D. 9—52706
Malitskaya, M.A. *see* Smotrakov, V.G. 9—100041
Mal'khanov, S.E. *see* Kolesnikov, N.V. 9—51531
Malkiewicz, T. *see* Krawiarz, J. 9—73766
Malkin, A.Ya., Ivanova, A.N., Ivanova, S.L., Andrianova, Z.S. Nonisothermal polymerization in a spherical reactor. Temperature distribution and reaction kinetics 9—87844
Malkin, A.Ya. *see* Fursova, K.S. 9—52295
Malkin, A.Ya. *see* Ivanova, S.L. 9—51296
Malkin, A.Ya. *see* Ledvin, N.K. 9—98780
Malkin, A.Ya. *see* Vinogradov, G.V. 9—50690
Malkin, B.Z. *see* Barta, C. 9—99337
Malkin, E.S. *see* Abarzhi, I.I. 9—69349
Malkin, E.S. *see* Dukhin, S.S. 9—96317, 9—96319
Malkin, F. *see* Brough, R. 9—52540
Malkin, I.A. *see* Doktorov, E.V. 9—59522, 9—93983
Malkin, M.S. The Space Shuttle 9—66904
Malkin, V.I. *see* Golovanenko, S.A. 9—91797
Malkin, Y.N. *see* Kuzmin, V.A. 9—83487
Malkina, G.M. *see* Bannykh, O.A. 9—83208
Mal'ko, I.I. *see* Silyuk, V.F. 9—52608
Malko, J. *see* Ammosov, V. 9—71737
Malko, J. *see* Efremenko, V.I. 9—75763
Malko, J.A. *see* Berge, J.P. 9—71741
Malko, J.A. *see* Eisner, R.L. 9—93451
Malkov, E.I. *see* Lipatov, L.N. 9—71632
Mal'kova, A.A. *see* Bagraev, N.T. 9—90996
Malkova, A.S. *see* Pashinkin, A.S. 9—83183
Malkova, A.S. *see* Phasinkin, A.S. 9—79279
Malkova, E.M. *see* Tereshina, L.S. 9—79441
Malkovich, R.Sh., Pokoeva, V.A. Influence of an internal electric field on the diffusion of an ionized impurity in a semiconductor 9—55940
Mal'kovskii, A.S. *see* Zaletin, V.M. 9—72203
Malkus, W.V.R. Turbulent velocity profiles from stability criteria 9—50717
Mall, S., Kobayashi, A.S., Urabe, Y. Dynamic photoelastic and dynamic finite-element analyses of dynamic-tear-test specimens 9—55348
Mall, S. *see* Kobayashi, A.S. 9—61732
Mallama, A.D. The orbital period of Algoi: 1964 to 1978 9—58377
Mallama, A.D., Skillman, D.R. Photometry of Nova Cygni 1978 9—67035
Mallama, A.D., Trimble, V.L. Novae versus dwarf novae: energy sources and systematics 9—67041
Mallamace, F. *see* Ballaro, S. 9—61917
Mallard, W.C. *see* Vance, E.R. 9—51992
Mallavarpu, R. *see* Roth, J.R. 9—82066
Mallen, G. *see* Dunham, D.W. 9—92694
Mallett, C.P., Weinberger, P. A preliminary study of the electronic structure of uranium chalcogenides and pnictides using a relativistic single-site scattering model 9—87040
Mallett, C.P. *see* Weinberger, P. 9—51484
Mallett, R.L. Higgs mechanism and the inverse Einstein-Infeld-Hoffman problem 9—63100
Mallick, K. A note on decay pattern of magnetic field and voltage response of conducting bodies in EM time-domain system 9—58108
Mallick, K., Verma, R.K. Time-domain electromagnetic sounding with horizontal and vertical coplanar loops on a multilayered Earth 9—57850
Mallick, K., Verma, R.K. Time-domain electromagnetic sounding—computation of multi-layer response and the problem of equivalence in interpretation 9—92618
Mallick, N. *see* Talukdar, B. 9—49105
Mallick, S. *see* Celaya, L. 9—55082
Mallick, S. *see* Grousson, R. 9—86543
Mallik, A.K. *see* Singh, K. 9—68627
Mallik, B., Ghosh, A., Misra, T.N. Compensation effect in semiconducting vitamin A (alcohol and acetate) 9—51573
Mallik, B. *see* Jain, K.M. 9—65471
Mallik, S. Asymmetric systems described by a pair of local covariant wave equations 9—75391
Mallikarjun Rao, S.P. *see* Chadda, S. 9—62963
Mallikarjun Rao, S.P. *see* Satyabala, S.P. 9—77682
Mallin, U.R. *see* Sivets, V.N. 9—76925
Mallinson, P.D. *see* Wolfsberg, M. 9—59590
Mallmann, A.J., Greenler, R.G. Origins of anthelic arcs, the anthelic pillar, and the anthelion 9—96821
Mallmann, A.J. *see* Mueller, J.R. 9—96820
Mallmann, J. Halos, rings, and arcs in the sky 9—66788
Mallory, M.L. Operating experience with the Michigan State University superconducting cyclotron cryogenic system 9—54672
Mallory, M.L. *see* Gough, R.A. 9—54713
Mallory, M.L. *see* Miller, P.S. 9—72167
Malloy, T.B., Jr. *see* Avirah, T.K. 9—98074
Malloy, T.B., Jr. *see* Carreira, L.A. 9—54859
Malloy, T.B., Jr. *see* Kitchin, R.W. 9—72303
Malm, R.L. Reduction of stray fields about SEM samples 9—67431
Malm, R.L. Rapid display of high-speed SEM voltage contrast waveform 9—67432
Malm, S., Norstrom, L.-A. Material-related model for thermal fatigue applied to tool steels in hot-work applications 9—91791
Malm, W.C., O'Dell, K. Multiwavelength contrast telephotometry: instrument design and data interpretation 9—66842
Malmborg, P. *see* Lundqvist, H. 9—79649, 9—83934
Malmejac, Y. *see* Lemaignan, C. 9—61574
Malmhall, R., Backstrom, G., Bhagat, S.M., Rao, K.V. Transport properties of amorphous ferromagnets. Hall and ohmic resistivities 9—91013
Malmin, O.Kim *see* Kim Malmin, O.
Malmin, R.E. *see* Geesaman, D.F. 9—67631
Malmqvist, D. *see* Eriksson, K.G. 9—74488
Malmstadt, H.V. *see* Defreese, J.D. 9—74440
Malmstadt, H.V. *see* Efstathiou, C.E. 9—80663
Malmstadt, H.V. *see* Wu, A.H.B. 9—74444
Malmstrom, G. *see* Rasolt, M. 9—85067
Malnic, G., Netto, C.R.S., Stamopoulos, C.D., de Mello Aires, M. Online measurement of fluid reabsorption in renal tubules 9—92442
Malo, O. An attempt to separate the long and short range forces by Gaussian method 9—63180
Malocha, D.C. Quadrature 3 phase unidirectional transducer 9—81672
Malocha, D.C., Hunsinger, B.J. Tuning of group type unidirectional transducers 9—68535
Malocha, D.C. *see* Datta, S. 9—68534
Malofeev, A.I. *see* Basargin, Yu.G. 9—54628
Malofeev, V.M. *see* Bruk, Yu.M. 9—62863
Malofeeva, L.G. *see* Kudryavtseva, N.L. 9—72730
Malogolovets, V.G., Vishnevskii, A.S., Povarennykh, A.S. Effect of transition-metal impurities on infrared absorption of synthetic diamonds 9—82980
Malogolovets', V.G., Vishnevs'kii, A.S., Samoilovich, M.I. IR-spectroscopy and cathodoluminescence of synthetic semiconductor diamonds 9—78758
Maloletnev, A.Ya. *see* L'vov, Yu.B. 9—79104
Malone, J.F. *see* Orr, J.S. 9—74721
Malone, J.P., Rains, S.D., Tuzzeo, T.M. How good is your spectrophotometer? 9—67371
Malone, R.F. *see* Yolton, C.F. 9—56975
Maloney, P.J. *see* Wood, O.R., II 9—81451
Maloney, W.T. Sputtered multilayer films for digital magnetic recording 9—83118
Maloof, D.J. *see* Beg, M.A.B. 9—63372
Malov, I.F. Characteristic frequencies of a spectrum—an important test to check pulsar models 9—58369
Malov, I.F. *see* Izvekova, V.A. 9—101169
Malov, L.A. *see* Kiselev, M.A. 9—75944
Malov, L.A. *see* Kozlowski, M. 9—80913
Malov, V.V., Iogansen, L.V. Theory of the prism tunnel-coupler for a multiple-layer optical waveguide. I. General relations 9—76884
Malov, V.V., Iogansen, L.V. Theory of the prism tunnel-coupler for a multiple-layer optical waveguide. II. Storage device 9—76885
Malov, V.V. *see* Iogansen, L.V. 9—54882, 9—59838, 9—64336
Malov, Yu.A. *see* Ivanter, I.G. 9—87183
Malov, Yu.I., Onishchenko, A.V., Mironkova, L.I. Electron work function of rare-earth metals 9—60913
Malov, Yu.I. *see* Korol'kov, V.A. 9—49250
Malova, R.P. *see* Khlestov, V.M. 9—70060
Malovichko, A.A. A novel representation of reflected-wave t-d curves for horizontally-laminated media 9—84160
Malovitskii, Yu.N. *see* Mironov, K.E. 9—78938
Malow, G., Beran, V., Lutze, W., Marples, J.A.C., Dalton, J.T., Hall, A.R., Hough, A., Boult, K.A. Testing and evaluation of the properties of various potential materials for immobilizing high activity waste 9—49790
Malozemoff, A.P., Fernengel, W. Observation and theory of strong stripe domains in amorphous sputtered FeB films 9—91265
Malozemoff, A.P. *see* Hart, S.C. 9—73821
Malozemoff, A.P. *see* Slonczewski, J.C. 9—99727
Malpas, R.E. *see* Itaya, K. 9—60868
Malraison, B., Poggi, Y., Filippini, J.C. Breakdown of the Landau theory in the vicinity of the nematic-isotropic transition 9—99302
Malrieu, J.P. Size dependence of delocalized treatments of the correlation problem 9—63921
Malrieu, J.P. *see* Pelissier, M. 9—93930
Malshukov, A.G. *see* Kravtsov, V.E. 9—95269
Maltbaek, J.C. *see* Stephen, N.G. 9—86335
Maltby, P. *see* Albregtsen, F. 9—75312
Mal'ter, V.P. *see* Bol'shakova, N.V. 9—60562
Malthete, J. *see* Cotrait, M. 9—99175
Malthete, J. *see* Destrade, C. 9—86681
Maltsev, A.K. *see* Schultz, G. 9—89783
Mal'tsev, E.I. *see* Glezer, A.M. 9—91762
Mal'tsev, L.E. Approximate operational calculus applied to Volterra equations in problems of polymer mechanics 9—50614

Mal'tsev, L.E. Using 'near' operators in the solution of operator equations by iterative methods 9—58547
Mal'tsev, L.E. Applying quasioptimal approximating polynomials to the solution of problems of viscoelasticity 9—86349
Mal'tsev, M.V. *see* Vorob'ev, I.A. 9—79013
Maltsev, S. *see* Baisa, D. 9—77746
Mal'tsev, V.G. *see* Baikov, V.P. 9—66158
Mal'tsev, V.M. *see* Azatyan, T.S. 9—100377
Maltsev, V.P. *see* Grigoryants, V.V. 9—76855
Mal'tsev, Yu.P. Boundary condition for Alfven waves at the ionosphere 9—53611
Mal'tsev, Yu.P. *see* Lyatskaya, A.M. 9—62651
Mal'Tseva, G.K. *see* Zemskii, S.V. 9—51298
Mal'tseva, V.A. *see* Andrukhiv, M.G. 9—91076
Mal'tseva, V.P. *see* Lisitskii, I.S. 9—51135
Malugani, J.P., Robert, G. Ionic conductivity of the glasses $LiPO_3$-LiX(X=I, Br, Cl) 9—99365
Maluski, H. Behaviour of biotites, amphiboles, plagioclases and K-feldspars in response to tectonic events with the ^{40}Ar-^{39}Ar radiometric method. Example of Corsican granite 9—53347
Malvern, L.E. *see* Meguid, S.A. 9—57084
Malvezzi, A.M., Garifo, L., Jannitti, E., Nicolosi, P., Tondello, G. XUV spectroscopic studies of a carbon laser produced plasma 9—50889
Malvezzi, A.M. *see* Garifo, L. 9—75617
Malyavkin, A.V. *see* Kulakovskii, V.D. 9—56139
Malygin, G.A. Heating of slip lines and bands in thin crystals at low temperatures 9—69111
Malygin, V.V. *see* Kaluzhina, S.A. 9—52513
Malyi, A.F. *see* Solntsev, L.A. 9—87611
Malykhanov, Yu.B., Kukanov, M.A. Dynamic polarizability and the eigenfrequencies of molecules in the one-electron approximation 9—64117
Malykhin, A.I. *see* Koryagin, N.I. 9—96421
Malykin, G.B. *see* Gelikonov, V.M. 9—98420
Malyon, D. A high performance optical loss measuring set for field use [optical fibres] 9—64357
Malysh, A.D. *see* Burnos, V.A. 9—70255
Malyshenko, S.P. *see* Styrikovich, M.A. 9—76946
Malyshev, I.F. *see* Bogdanov, P.V. 9—54656
Malyshev, K.A. *see* Zemtsova, N.D. 9—100178
Malyshev, V.A. A linear theory of EM wave amplification by drifting hot carriers 9—69539
Malyshev, V.A., Bodunov, E.N. Theory of radiationless energy transport in ion pairs 9—56835
Malyshev, V.A., Shekhtam, V.L. Trapping of radiation in an activated condensed medium 9—69890
Malysheva, E.B. *see* Voevodin, V.P. 9—70221
Malyshevskaya, K.A. *see* Parshikova, V.N. 9—58835
Malyshevskii, V.S. *see* Gudzenko, L.I. 9—64211
Malyugin, A.S. *see* Danilin, L.A. 9—96246
Malyushevskii, P.P. *see* Nemirovskii, A.Z. 9—60204
Malyusov, V.A. *see* Mochalova, N.S. 9—86433
Malyuta, D.D. *see* Baranov, V.Yu. 9—64201
Malyutenko, V.K., Guga, K.Yu., Chaikin, V.I. Recombination activity at the interface in the InSb-oxide system 9—78199
Malyutenko, V.K., Liptuga, A.I. The determination of the intrinsic concentration and effective mass of carriers in semiconductors by an optical method 9—51580
Malyutenko, V.K. *see* Bolgov, S.S. 9—56864
Malyutenko, V.K. *see* Dobrovol'skii, V.N. 9—69534
Malyutin, A.A. *see* Horvath, G.Z. 9—72597
Malyutin, A.A. *see* Koksharov, V.D. 9—57167
Malyutin, G.V. *see* Nosek, M.V. 9—52166
Malyutin, I.S., Bagdasar'yan, A.A., Georgievskii, V.P. Thermal stability of cylindrical shells with longitudinal reinforcing ribs 9—98596
Malyutina, T.I. *see* Amatuni, A.N. 9—82361
Malyutina, T.I. *see* Pavlova, G.A. 9—76778
Malzac, J., Rousseau, A. A 'processing density' to calculate marine Bouguer gravity free of topographic variations in case of unknown bottom density 9—74829
Malzer, H., Schmitt, G., Zippelt, K. Recent vertical movements and their determination in the Rhenish Massif 9—79789
Mamacos, J.P. *see* McLellan, J.S. 9—100706
Mamaev, L.I. *see* Efimov, I.A. 9—76101
Mamaev, L.K. *see* Vedrinskii, R.V. 9—99258
Mamaev, V.V. *see* Alekhin, L.A. 9—97898
Mamaev, Yu.D. *see* Gokhberg, Ya.A. 9—52493
Mamaev, Yu.M. *see* Bulkin, Yu.M. 9—97837
Mamaikin, V.S. *see* Kolerov, A.N. 9—86609
Mamaladze, Yu.G. *see* Kiknadze, L.V. 9—86947
Mamalui, Yu.A., Ol'khovik, L.P. Correlation of magnetic characteristics of hexaferrites and atomic number of substituting ions 9—91218
Mamalui, Yu.A., Romanov, V.P., Matseievskii, K.M. Characteristics of the dynamics of iron ions in bipyramidal position in type M hexaferrites 9—95697
Mamaluy, Yu.A. *see* Gorbach, V.N. 9—51837
Mamalyga, V.M. Construction and synthesis of the optimum high-speed control [regime] of a vibrating system 9—80424
Mamane, Y., Pueschel, R.F. Oxidation of SO_2 on the surface of fly ash particles under low relative humidity conditions 9—62160
Mamantov, G. *see* Hekbree, D.M. 9—100460
Mamatisakov, D. *see* Gryadunov, A.I. 9—83609
Mamatkulov, N. *see* Esayan, S.Kh. 9—73244
Mamatova, T.A. *see* Koshkina, E.N. 9—95090
Mambrito, B. *see* Divieti, L. 9—57627
Mamchich, S.D. Effective stress in the Eyring creep model 9—90722
Mamchuk, V.I. *see* Antonyuk, R.A. 9—77062
Mamedov, A. *see* Averkieva, G.K. 9—51665
Mamedov, A.M. Thermal-conductivity coefficients of six liquid aromatic hydrocarbons 9—73350
Mamedov, A.N. *see* Pashinkin, A.S. 9—51247
Mamedov, K.P. *see* Bagirov, S.B. 9—51567
Mamedov, Kh.S. *see* Ragimov, K.G. 9—90625
Mamedov, Kh.S. *see* Ragimov, N.G. 9—100067
Mamedov, Kh.S. *see* Rodin, N.P. 9—94990
Mamedov, N.T. *see* Belenkii, G.L. 9—83022
Mamedov, R.K. *see* Askerov, Sh.G. 9—69596
Mamedov, S.G., Orudzhev, E.Sh. Spicule radial velocities, and the coronal condensation mechanism of spicule formation 9—58314
Mamedov, T.G. *see* Salaev, E.Yu. 9—51943
Mamedov, V.A. *see* Godzhaev, E.M. 9—87119
Mamedov, V.S. *see* Bakirov, M.Ya. 9—87126
Mamedov, Z.F. *see* Godzhaev, E.M. 9—87119
Mameev, V.V. *see* Kalinin, B.N. 9—68123
Mamleev, R.F. *see* Kopytov, N.N. 9—57177
Mamo, H. *see* Meric, P. 9—83912
Mamontov, A.A. *see* Kagan, Y. 9—77657
Mamouni, A. *see* N'Guyen, D.D. 9—100695
Mampe, W., Ageron, P. Facilities for fundamental physics experiments with neutrons and neutrinos at the HFR, Grenoble 9—67932
Mampe, W. *see* Ageron, P. 9—68121
Mampe, W. *see* Pendlebury, J.M. 9—67359
Mampe, W. *see* Pinston, J.A. 9—63590
Mamrukova, V.P. *see* Krivoshapkin, P.P. 9—80120
Mamurov, A. *see* Aripov, G. 9—79358
Mamy, J., Picot, C. Application of dielectric measurements to the study of porous media containing salt solutions 9—52677
Mamyrin, B.A., Khabarin, L.V., Yudenich, V.S. Anomalously high isotope ratio $^3He/^4He$ in technical-grade metals and semiconductors 9—86080
Mamyrin, B.A., Shmikk, D.V. A linear mass-reflectron 9—75652
Man, C. *see* Cachenaut, J. 9—63194
Man, J., Carter, C.R. Processing sonar signals by chip slice microcomputer 9—94408
Man, J. *see* Holzmann, M. 9—91783
Manabe, H. *see* Yanagihara, N. 9—83590
Manabe, T. *see* Yabuzaki, T. 9—89757
Managadze, A.K. *see* Baiburina, S.G. 9—80170
Managadze, A.M. *see* Baiburina, S.G. 9—80156
Manager, S.M.D. *see* Wallace, B.R. 9—94825
Managoli, V., Phillips, A.C. Forward dispersion relations for p-^{3}He scattering and the normalization of (^{3}He, d) and (^{3}He, d) reactions 9—75956
Manaila, R. *see* Macovei, D. 9—65057
Manakos, P. *see* Fliessbach, T. 9—85387
Manakos, P. *see* Heil, V. 9—63606, 9—75878
Manakov, N.L. *see* Zapryagaev, S.A. 9—97989
Manakova, L.A. *see* Ionov, S.P. 9—51504
Manakova, L.A. *see* Lyubimov, V.S. 9—78561
Manankiandrianana, D. Behaviour of the heat kernel for a hypoelliptic degenerated operator for short times 9—93077
Manaranche, J.C., Mangin, D., Colomb, G., Maubert, L., Poullot, G. Critical experiments with lattices of 4.75 wt.% ^{235}U enriched UO_2 rods in water 9—63790
Manaranche, J.C., Mangin, D., Colomb, G., Maubert, L., Poullot, G. Critical experiments with lattices of 4.75-wt.%-^{235} U-enriched UO_2 rods in water 9—80977
Manca, P. *see* Aresti, A. 9—61040
Mancas, S. *see* Calboreanu, A. 9—59003
Manche, E.P. A rapid, convenient, and precise method for the absolute determination of the acceleration of gravity 9—71187
Manchen, K. Monitoring air pollutants from municipal wastewater plants 9—80050
Manchester, F.D. *see* Ho, E. 9—61589
Manchester, R.N. The galactic distribution of pulsars 9—75231
Manchev, M. *see* Rashev, Ts. 9—82259
Mancini, A.M. *see* Raino, A. 9—87512
Mancini, F., Matsumoto, H., Umezawa, H., Wadati, M. The macroscopic surface phenomena and topological singularities in the superconductivity 9—99653
Mancini, F. *see* Fusco-Girard, M. 9—65584
Mancini, G. *see* Barigelletti, F. 9—86031
Mancs, P., Babin, E., Wackenheim, A. Contribution of histograms to the computer tomographic study of brain tumours 9—66548
Mancs, P. *see* Van Damme, W. 9—66549
Mancuso, S., Milano, L., Russo, G. Photoelectric observations of the eclipsing binary RT And 9—71073
Mandach, H.Von *see* Von Mandach, H.
Mandache, B.N. *see* Chera, T. 9—90465
Mandache, B.N. *see* Tsois, N. 9—90475
Mandache, C.M. *see* Gheorghiu, O.C. 9—86637
Mandadi, V., Huseyin, K. Nonlinear instability behaviour of nongradient system 9—75331
Mandal, D.K. *see* Prasad, S.M. 9—65065
Mandal, G.S., Basandra, M.L. Tornado over Punjab 9—96793
Mandal, G.S. *see* Neumann, C.J. 9—96789
Mandal, K.K. *see* Basu, B. 9—64790
Mandal, K.K. *see* Chhatait, S. 9—64789
Mandal, P., Guha, S. On the first-order approximations for positronium formation in atomic hydrogen 9—55006
Mandal, P., Guha, S., Sil, N.C. Positronium formation in positron scattering from hydrogen and helium atoms: the distorted-wave approximation 9—89772
Mandal, P. *see* Sil, N.C. 9—59564
Mandal, S.S., Tripathy, D.N. Determination of effective interaction between two plasmons 9—51508
Mandal, S.S., Tripathy, D.N. Equation of motion approach to the plasmon-plasmon interaction in a many-electron system 9—87052
Mandal, S.S. *see* Rao, B.K. 9—78023
Mandal, S.S. *see* Tripathy, D.N. 9—56157
Mande, C. *see* Rao, Y.L. 9—61467
Mandel, F. Macromolecular dimensions obtained by an efficient Monte Carlo method: the mean square end-to-end separation 9—68337
Mandel, L. Distribution of atomic momentum in resonance fluorescence 9—72271
Mandel, L. Sub-Poissonian photon statistics in resonance fluorescence 9—76650
Mandel, L. Photon occupation numbers in black body radiation 9—88869
Mandel, L. *see* Hioe, F.T. 9—76720
Mandel, P. Lasers with saturable absorber driven by a coherent field 9—50304
Mandelbrot, B.P. Geometrical facets of statistical physics. Scaling and fractals 9—58625
Mandelis, A., Royce, B.S.H. Time-domain photoacoustic spectroscopy of solids 9—89010
Mandelkern, L. *see* Kloos, F. 9—94920
Mandelli, L. *see* Armstrong, T.A. 9—85344
Mandelli, L. *see* Evangelista, C. 9—75788, 9—80843
Mandelshtam, S.L. Some problems of the emission spectral analysis theory 9—87918
Mandelstam, S. Charge-monopole duality and the phases of non-Abelian gauge theories 9—71625
Mander, M. Sandwich courses—educational advance or modern luxury? 9—92911
Mandichev, G.I. *see* Popov, K.G. 9—57066
Mandil, M.A., Helal, A.M. Laminar flow heat transfer coefficients in annuli 9—72779
Mandl, F. *see* Cochet, C. 9—80854
Mandl, F. *see* Deutschmann, M. 9—85345
Mandler, J.W. *see* Randolph, P.D. 9—93772
Mandler, W. *see* Dobrowolski, J.A. 9—75631
Mandli, H., Robbiani, R., Kuster, Th., Seibl, J. Automatic acquisition and shape analysis of metastable peaks 9—89036
Mandorini, V. Application of the theory of the mechanics of fracture on the medium hardening limit of enervation 9—52378
Mandrescu, N. The Vrancea earthquake of March 4, 1977 and the seismic microzonation of Bucharest 9—88280
Mandret, G. *see* Labrune, J.-C. 9—76487
Mandritskaya, K.V. *see* Varkovitskaya, A.Ya. 9—80147
Mandrou, P., Vedrenne, G., Niel, M. Diffuse cosmic gamma-ray observations from 0.3 to 6 MeV in two regions near the galactic center and anticenter 9—62901
Manduca, A. Infrared limb-darkening coefficients for late-type giant model atmospheres 9—71029
Mandula, J.E. *see* Hey, A.J.G. 9—58933
Mandzhgaladze, E.A. *see* Maidukova, T.P. 9—95980
Mandzhgaladze, S.N., Margiani, E.A., Pirtskhalava, Dzh.N., Mikaberidze, M.P., Nartova, T.T., Zuikova, N.A. Corrosion and physical and chemical properties of Ti-Fe alloys 9—57140
Mandzhikov, V.F. *see* Kuzmin, S.G. 9—57264
Mandzhikov, V.F. *see* Murin, V.A. 9—66315
Mane, F. *see* Courau, A. 9—67529
Manea, D. *see* Pop, M.G.M. 9—54560
Maneglier-Lacordaire, S. *see* Mazurier, P.A. 9—60316
Manelli, I. *see* Apel', V.D. 9—67609
Manenc, J. *see* Berneron, R. 9—79164
Manenkov, A.A., Mikhailova, G.N., Seferov, A.S., Sprizhitskii, Yu.A. Effect of strong microwave fields on large electron-hole drops in germanium 9—87047
Manenkov, A.A., Milyaev, V.A., Sanina, V.A. Microwave discharge in Ge in a constant magnetic field 9—65507
Manenkov, A.A. *see* Danileiko, Yu.K. 9—69548
Manenkov, A.A. *see* Gomelauri, G.V. 9—91539
Manenkov, A.A. *see* Gorshkov, B.G. 9—51906
Manenkova, L.R. *see* Bashkirov, Sh.Sh. 9—91232
Manero, O., Mena, B., Valenzuela, R. Further developments on non-Newtonian flow in oscillating pipes 9—77190
Manero, O. *see* Mena, B. 9—60031
Manes, G.F., Atzeni, C. Baseband compatible SAW processors [programmable transversal filtering] 9—98548

Manes, L. *see* Boeuf, A. 9—78332
Manes, L. *see* Ewart, F.T. 9—49689
Manes, L. *see* Toci, F. 9—96324
Maneval, J.P., Guyot, H., Pannetier, B., Le Hericy, J. Frictionless heat motion in metals at low temperatures 9—69495
Maneval, J.P. *see* Pannetier, B. 9—56391
Manfredi, M. *see* Bucci, C. 9—57210
Manfredi, P.F. *see* Artuso, M. 9—76307
Manfredotti, C. *see* De Blasi, C. 9—65793, 9—76278
Manfroncelli, C. *see* Casalboni, M. 9—78745
Mang, H.J. *see* Islam, S. 9—93510
Mangano, J.A. *see* Jacob, J.H. 9—82044, 9—98345
Mangel, M. Small fluctuations in systems with multiple steady states 9—80526
Mangelsdorf, T.A. FFTF status 9—67927
Mangeney, A. *see* Couturier, P. 9—53788
Mangeney, A. *see* Harvey, C.C. 9—58210
Manghnani, M.H. *see* Chandrasekhar, H.R. 9—91447
Manghnani, M.H. *see* Katahara, K.W. 9—61639
Manghnani, M.H. *see* Rimai, D.S. 9—73239
Mangia, M. *see* Oliveri, E. 9—76154
Mangiameli, G.Cipollina *see* Cipollina Mangiameli, G.
Mangiavacchi, C. *see* Lupoli, G. 9—93108
Mangin, D. *see* Manaranche, J.C. 9—63790, 9—80977
Mangini, A. *see* Muller, G. 9—79889
Mangir, M. *see* Reisler, H. 9—100352
Mangir, M. *see* Yu, M.H. 9—57255
Mango, S. *see* Besset, D. 9—63503
Mango, S.A. *see* Moe, O.K. 9—66987
Mangum, B.W., Bowers, W.J. Two practical magnetic thermometers for use below 30K 9—63224
Manheimer, W.M. Transport from magnetic flutter: Gordian knot or granny? 9—86561
Manheimer, W.M., Antonsen, T.M., Jr. A theory of electron energy confinement in Tokamaks 9—64898
Manheimer Timnat, Y. *see* Arbib, H.A. 9—66297
Manhes, G., Allegre, C.J., Dupre, B., Hamelin, B. Lead-lead systematics, the 'age of the Earth' and the chemical evolution of our planet in a new representation space 9—88315
Mani, A. Measurement of solar radiation for energy conversion 9—57400
Mani, H.S., Rindani, S.D. Parity violating effects in dilepton production using polarized targets 9—67613
Mani, K.K., Ramani, R., Singh, R.P. Trends in the valence force constants of crystal containing first-row atoms 9—77694
Mani, K.K. *see* Justus, C.G. 9—84438
Mani, S.A. *see* Kung, R.T.V. 9—76751
Maniatis, T. *see* Fritsch, E.F. 9—70519
Maniawski, F. *see* Van Laar, B. 9—50949
Manickam, J. *see* Johnson, J.L. 9—82091
Manickam, J. *see* Todd, A.M.M. 9—64846
Manier, G., Fuchs, H. Calculation of the direct solar radiation and of the global radiation for 69 places in the Federal Republic of Germany 9—70837
Manier, G., Weingartner, H. On the influence of orography, stability and baroclinity on the departure of ground level wind from geostrophic wind 9—66771
Manifacier, J.-C., Szepessy, L., Bresse, J.F., Perotin, M., Stuck, R. In_2O_3:(Sn) and SnO_2:(F) films—application to solar energy conversion. II. Electrical and optical properties 9—65945
Manika, I.P. *see* Upit, G.P. 9—99264
Manikatov, Ya., Giasbeili, H., Shossev, G. Sintering of steel alloyed with nickel, copper and cobalt 9—100087
Manin, V.N., Gromov, A.G., Lyng-dyk-Tuan Strength of the structure of concentrated and filled polymer solutions 9—64973
Manin, Yu.I. *see* Drinfel'd, V.G. 9—67477
Manins, P.C. Turbulent buoyant convection from a source in a confined region 9—59983
Manins, P.C. *see* Sawford, B.L. 9—83686
Manion, W.J. Generic approaches to decommissioning commercial nuclear power reactors 9—67902
Maniscalco, J. *see* Monsler, M. 9—49862, 9—85772
Maniscalco, J.A., Meier, W.R., Monsler, M.J. Design studies of a laser fusion power plant 9—71975
Maniscalco, J.A. *see* Berwald, D.H. 9—85790
Maniscalco, J.A. *see* Monsler, M.J. 9—76136
Manita, O.F. Characteristics of submillimeter impulse laser with transverse optical pumping of the CH_3I molecule 9—50286
Manita, O.F. An optically-pumped CH_3Br and CH_3Cl submillimeter-wave laser 9—68384
Manita, O.F. Stimulated emission by polyatomic molecules excited by powerful pulses from a CO_2 laser 9—94214
Manita, O.F. Investigation of characteristics of sub-millimetre pulse lasers with optical pumping 9—94215
Manita, O.F. *see* Koltok, Yu.V. 9—93220
Maniv, S. Substrate heater for sputtering system 9—69983
Maniv, S., Berman, I. Vertical electrode configuration to avoid contaminating particles in sputtered ZnO thin films 9—69982
Maniv, T., Cohen, M.H. Noble-gas-solid-surface beam-scattering spectroscopy in the eV range. Nuclear channel, formal theory 9—78820
Mank, M.G. *see* Mahrenholtz, O.H. 9—79570
Manka, C.K. *see* Uhrich, D.L. 9—71168
Manka, R. The large polaron phase transition in the strong coupling limit 9—73452
Manka, R. First-order phase transition for the molecular polaron 9—90977
Mankin, R.W. *see* Kyaw Tha Paw U 9—96728
Mankinen, E.A., Dalrymple, G.B. Revised geomagnetic polarity time scale for the interval 0-5 m.y. B.P 9—57851
Man'ko, M.A. *see* Bachert, H.-J. 9—81455
Man'ko, V.I. *see* Dodonov, V.V. 9—75399, 9—80467, 9—85008, 9—97251
Man'ko, V.I. *see* Doktorov, E.V. 9—59522, 9—93983
Man'ko, V.K. *see* Savchenko, N.M. 9—91126
Man'ko, V.S. *see* Meshchenenko, K.K. 9—76781
Mankoc-Borctnik, N. *see* Brut, F. 9—85352
Mankoc-Borstnik, N., Brut, F., Jang, S. Some insight into the structure of the nuclei ^{19}F, ^{19}Ne, ^{21}Ne, ^{21}Na, ^{23}Na and ^{23}Mg through the generator coordinate method and the projected Hartree-Fock method 9—89220
Mankowski, J. *see* Szklarska-Smialowska, Z. 9—52422
Manley, A.J. A user's guide to the programs ITRAP-A, ITRAP-B, ITRAP-S and ITRAP-L 9—93843
Manley, L.C. *see* Cathcart, J.V. 9—86927
Manley, M.T. *see* Solomon, E.G. 9—96696
Manley, R.St. John *see* St. John Manley, R.
Manley, T. *see* Babcock, J. 9—87272
Manlief, S.K. *see* McKay, J.A. 9—86595
Mann, A. *see* Nir, D. 9—93894
Mann, A.K. Neutrino oscillations 9—75759
Mann, A.K. *see* Benvenuti, A. 9—49508, 9—58951
Mann, A.K. *see* Entenberg, A. 9—54333
Mann, C.J., Dowell, T.P.L., Jr. Quantitative lithostratigraphic correlation of subsurface sequences 9—62509
Mann, D.S., Mukherjee, P.K. Electromagnetic radiation from line sources interacting with a moving uniaxial dielectric or plasma half-space 9—92661
Mann, E. Dislocation scattering and de Haas-van Alphen effect 9—77982
Mann, E. *see* Schmidt, H. 9—78022, 9—91037
Mann, E.K. *see* Mehrotra, R. 9—55953, 9—86940
Mann, F.M. *see* Davis, B.R. 9—67791
Mann, H.S. *see* Garg, H.P. 9—57454
Mann, I.B. *see* Pawlewicz, W.T. 9—50333
Mann, J. *see* Bossart, R. 9—86119
Mann, J.D. *see* Johnson, R.N. 9—88111
Mann, J.W. *see* Ralston, J.M. 9—87144
Mann, K.D. *see* Engira, R.M. 9—62111
Mann, K.-D. *see* Gruner, W. 9—54167
Mann, L.G., Carlson, J.B., Lanier, R.G., Struble, G.L., Buckley, W.M., Heikkinen, D.W., Proctor, I.D., Sheline, R.K. $^{181}Ta(p,2n\gamma)^{180}W$ reaction 9—54378
Mann, R. *see* Allan, J.C. 9—74341
Mann, R. *see* Dohmann, H.D. 9—63966
Mann, R.W. *see* Haberger, C.C. 9—68460
Mann, W.A. *see* De Clercq, C. 9—89188
Mann-may Yau *see* Herman, G.T. 9—66545, 9—83929
Manna, A. *see* Neogy, C. 9—98179
Mannami, M. *see* Kimura, K. 9—74043
Mannan, K.D. Performnace of optimal geometry three step compound wedge stationary concentrator 9—62103
Mannan, K.D., Singh, P., Dhillon, G.S. Natural thermal environmental control of houses in Northern India 9—62151
Mannari, I. *see* Kawabe, T. 9—65633
Mannelli, I. *see* Apel', V.D. 9—89194
Mannelli, I. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Mannelli, I. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Manner, R. *see* von Harrach, D. 9—76044
Manner, W. *see* Becker, H. 9—54363, 9—63533
Mannervik, S. *see* Andresen, B. 9—50127
Manneville, M. *see* Bertucci, M. 9—90882
Manneville, P. Theoretical analysis of Poiseuille flow instabilities in nematics 9—77499
Manney, C.M., Jr. *see* Stein, S.R. 9—54109
Mannheim, L. New optical solutions for close focusing. I 9—97453
Mannheim, L.A. New optical solutions for close focusing. II 9—93240
Mannheim, P.D. Parity violation and the masslessness of the neutrino 9—85258
Mannheim, P.D. *see* Deshpande, N.G. 9—71655, 9—71656, 9—71657
Mannik, L., Keyser, G.M., Woodall, K.B. Deuterium isotope separation by tunable-laser predissociation of formaldehyde 9—94095
Mannik, R., Palgi, L., Oiglane, H. Super trimuons as possible evidence of six-fermion interaction 9—71743
Manninen, M. Density functional approach to electron and positron states in condensed matter 9—56107
Manninen, M., Nieminen, R.M. Spherical solid model for muon and hydrogen in metals 9—78601
Manninen, M. *see* Cole, L. 9—56114
Manninen, M. *see* Hautojarvi, P. 9—55952
Manninen, M. *see* Nieminen, R.M. 9—56654
Manninen, M.J. *see* Nieminen, R.M. 9—99978
Manninen, S. *see* Holt, R.S. 9—91520
Manning, D.C. *see* Slavin, W. 9—92020
Manning, J.J. *see* Muckenthaler, F.J. 9—59226
Manning, M.I., Goodhew, P.J. An hydraulic straining stage for use in scanning electron microscopes 9—54227
Manning, M.R. *see* Chreitzberg, A.M. 9—52922
Manning, P.G., Williams, J.D.H., Charlton, M.N., Ash, L.A., Birchall, T. Mossbauer spectral studies of the diagenesis of iron in a sulphide-rich sediment core 9—74917
Manning, P.T. *see* Button, B.L. 9—98693
Manning, R.G., Braun, W., Kurylo, M.J. The effect of infrared laser excitation on reaction dynamics: $O+C_2H_4(\dagger)$ and $O+OCS(\dagger)$ 9—66288
Manning, W.H., Louko, L.J., DiSalvo, V.S. A right-ear effect for auditory feedback control of children's newly acquired phonemes 9—57676
Manno, I. *see* Birulev, V.K. 9—67547
Mannone, F. *see* Cecille, L. 9—85812
Manns, R. *see* Hildebrandt, D. 9—52061
Mano, I. *see* Imachi, K. 9—84018
Manocha, K.K., Mohindra, R.K. Estimated dose to bone and whole body via ^{40}Ca and ^{31}P for 14.1 MeV neutrons 9—53256
Manocha, P.S. *see* Swarup, S. 9—77243
Manohar, C. *see* Yakhmi, J.V. 9—90537
Manohar, R. *see* Stephenson, J.W. 9—88796
Manohar, R.P. *see* Gupta, M.M. 9—64621
Manohar, S.B., Venkatesan, P.P., Deshmukh, S.M., Prakash, S., Ramaniah, M.V. Mass distribution in the neutron induced fission of ^{232}U 9—67789
Manoharamurthy, N., Subrahmanyam, S.V. Heat capacities of dilute aqueous solutions of t-butanol, n-propanol, ethylene glycol and glycerol: evaluation of ΔC°_p 9—57280
Manoharan, P.T. *see* Narayanan, B.A. 9—51866
Manoilo, A.M., Kortunov, N.P., Shprenk, A.P. Differential fluid viscometer 9—90355
Manokhin, A.I., Nichiporenko, O.S., Melent'ev, I.V., Naida, Yu.I., Novikov, V.A., Sokolov, V.S., Kostyrya, A.A., Medvedovskii, A.B., Panfilov, A.N., Zhbanov, A.M., Shishkhanov, T.S., Dzneladze, Zh.I., Rukin, V.V. Development and application of a process for the production of iron powder by the atomization of iron-carbon melts with water 9—100090
Manoli, S.H. Firing rate of the auditory nerve and their patterns for spoken digits 9—83802
Manolikas, C., Van Landuyt, J., Amelinckx, S. Electron microscopy and electron diffraction study of the domain structures, the dislocation fine structure, and the phase transformations in β-$MoTe_2$ 9—82332
Manolitsakis, I. *see* Ross, G. 9—50238
Manoliu, A., Kittel, C. Correlation in the Langevin theory of Brownian motion 9—97133
Manoogian, A., Leclerc, A. Determination of the dilation and vibrational contributions to the energy band gaps in germanium and silicon 9—60703
Manor, M. *see* Beek, B. 9—94419
Manos, H. A simple demonstration of induction, emf [and the right-hand rules] 9—71204
Manriquez, J.M. *see* Broach, R.W. 9—89801
Mansel, W. *see* Herlach, D. 9—56701
Mansel, W. *see* Nakagawa, M. 9—60355
Mansell, A. *see* Coates, G. 9—100655
Mansfeld, F., Inman, R.V. A versatile, inexpensive potentiostat for corrosion studies 9—96237
Mansfeld, F., Kenkel, J.V. The effect of rotation on pitting behavior of aluminum and stainless steel 9—100281
Mansfield, E.H. On the deflexion of an anisotropic cantilever plate with variable rigidity 9—59927
Mansfield, J.G. *see* Stoper, A.E. 9—53150
Mansfield, P., Maudsley, A.A., Morris, P.G., Pykett, I.L. Selective pulses in NMR imaging: a reply to criticism 9—93190
Mansfield, P. *see* Morris, P.G. 9—66502
Mansfield, R.G., Eden, A. The application of thermography to large arrays of solar energy collectors 9—83634
Mansfield, V.N. *see* Malin, S. 9—62937
Mansha, M. Effect of copper on austenitic stability of 18/8 type substituted stainless steels 9—91716
Mansingh, A., Dhawan, A., Sayer, M. Molybdenum doping of semiconducting vanadium phosphate glasses 9—91044
Mansingh, A., Rai, G. Effect of surface layers on the coercive field, spontaneous polarization and dielectric constant of triglycine selenate 9—61321

Mansingh, A., Srivastava, K.N., Singh, B. Effect of surface capacitance on the dielectric behavior of ferroelectric lead germanate 9—91333

Mansingh, A. *see* Sayer, M. 9—65795

Manson, A.H., Meek, C.E., Stening, R.J. The role of atmospheric waves (1.5 h-10 days) in the dynamics of the mesosphere and lower thermosphere at Saskatoon (52°N, 107°W) during four seasons of 1976 9—53464

Manson, A.H. *see* Meek, C.E. 9—53539

Manson, A.H. *see* Stening, R.J. 9—79935

Manson, G. A low cost portable enuresis alarm 9—53266

Manson, J.A. *see* Hertzberg, R.W. 9—70160

Manson, J.R., Armand, G., Lapujoulade, J. On the Fourier components of the atom-surface scattering potential 9—61485

Manson, J.R., Tompkins, J. Two-phonon contributions to the energy accommodation coefficient 9—95893

Manson, J.R. *see* Armand, G. 9—61486, 9—74040

Manson, N.B. *see* Hasan, Z. 9—55851

Manson, S.T. The calculation of photoionization cross sections: an atomic view 9—61497

Manson, S.T. *see* Ong, W. 9—59411

Mansour, H.M.M., Higgins, K. The decay rate of ^3H_A 9—63620

Mansour, I.A.S. *see* Sedahmed, G.H. 9—57143

Mansour, T.M. Evaluation of ultrasonic transducers by cross-sectional mapping of the near field using a point reflector 9—94440

Mansoura, P. *see* Lin, M. 9—99395

Mansouri, F. Conformal gravity as a gauge theory 9—49144

Mansouri, F., Schaer, C. Geometrical transformation laws of fields in superunified theories 9—63117

Mansouri, R. Broken Lorentz invariance and conventionality of clock synchronization 9—63030

Mansson, B. Equations of motion for a class of space-time singularities 9—49114

Mansson, T. *see* Larsson, K.E. 9—51023

Mansur, L.K. Effects of point defect trapping and solute segregation on irradiation-induced swelling and creep 9—79040

Mansur, L.K. Irradiation creep by climb-enabled glide of dislocations resulting from preferred absorption of point defects 9—82280

Mansur, N.J. *see* De Crescenzi, M. 9—78780

Mansurova, A.N. *see* Gusev, V.M. 9—51167

Mansvetova, E.G. *see* Avaeva, I.G. 9—78489

Mansvetova, E.G. *see* Lisovskii, F.V. 9—91268

Mantas, G.P., Hanson, W.B. Photoelectron fluxes in the Martian ionosphere 9—53751

Mantegazza, L. *see* Guerrero, G. 9—71046

Mantel, J., Perry, H., Weinkam, J.J. X-ray depth-dose characteristics of the Toshiba LMR-16 9—62369

Mantion, M. *see* Ladeveze, J. 9—90131

Mantl, S., Sharma, B.D., Antesberger, G. Positron annihilation studies on electron- and α-particle-irradiated 75Ni13Cr12Fe alloys 9—83054

Mantl, S., Singru, R.M. Positron annihilation in vanadium hydrides 9—61463

Mantl, S. *see* Poerschke, R. 9—74018

Mantle, J.A., Strand, E.M., Smith, L.R., James, T.N., Rackley, C.E. Quantitative assessment of the autonomic control of the sinus node in man 9—70684

Mantle, J.A. *see* Zissermann, D. 9—70638

Manton, M.J. Moist penetrative convection and the formation of incipient cloud 9—66755

Manton, M.J. Brownian diffusion of aerosols to the face of a Nuclepore filter 9—88025

Manton, M.J. Modification of rainfall by topographical variations 9—100888

Mantovani, F. *see* Fanti, R. 9—71142

Mantovani, M.S.M. *see* Gasparini, P. 9—53330

Mantovani, S., Mazzega, E. Dislocation electronic states from Schottky diodes in silicon 9—82548

Mantush, T.N. Use of a BASIC M-400 interpreter in a system for automated investigation of holographic store 9—94180

Mantyla, A.W. *see* Reid, J.L. 9—79851

Mantz, A.W. *see* Eng, R.S. 9—59452, 9—59454, 9—59698

Mantz, A.W. *see* Reddy, S.P. 9—71542

Mantz, I.B. *see* Edwards, D.O. 9—51375

Manuccia, T.J., Clark, M.D., Lory, E.R. CW infrared laser isotope separation: $Cl+CH_3Br(v_6)\rightarrow HCl+CH_2Br$ 9—64113

Manucharov, Yu.S., Mikhailov, I.G., Turniyasov, R.K. Acoustic relaxation in solutions having a critical point of unmixing 9—95085

Manuel, A.A., Samoilov, S., Fischer, O., Peter, M. Fermi surface studies by the positron annihilation technique 9—82515

Manuel, A.A., Samoilov, S., Fischer, O., Peter, M., Jeavons, A.P. Fermi surface topology by the two dimensional angular correlation of annihilation radiation: copper, a test case 9—65359

Manuel, A.A. *see* Kupfer, H. 9—95554

Manuel, O.K. Isotopically anomalous noble gases in carbonaceous chondrites 9—75163

Manuilov, V.F. *see* Anan'ev, A.I. 9—66027

Manukovskaya, L.S. *see* Namitokov, K.K. 9—100079

Manus, E.A. *see* Meadows, D.N. 9—80590

Manushevich, G.N., Panasyuk, L.M., Popa, V.N. Kinetics of formation of images in Phototitus spatial-temporal light modulators 9—50397

Manvelyan, M.O. *see* Badalyan, V.G. 9—99761

Manvelyan, O.S. *see* Surkov, Yu.A. 9—80249

Manvelyan, R.V., Kupriyanov, S.E., Perov, A.A. Mechanism of the dissociation of Cs_2^+ ions 9—59601

Manvi, R., Fujita, T. Performance and economic risk evaluation of dispersed solar thermal power systems by Monte Carlo simulation 9—52902

Manwaring, B. *see* Bertuccio, T. 9—54702

Many, A. *see* Goldstein, Y. 9—69529

Manych, A.P. *see* Grebinnik, V.G. 9—56667, 9—56694, 9—87369

Manykin, E.A. *see* Elyutin, S.O. 9—55192

Manykin, E.A. *see* Gridin, V.A. 9—86221

Manykin, E.A. *see* Maimistov, A.I. 9—59768

Manykin, E.A. *see* Zakharov, S.M. 9—64288

Manz, F. The design of a HiFi demonstration studio 9—94405

Manz, J. *see* Connor, J.N.L. 9—57207, 9—74354

Manzelyan, Yu.S. *see* Egiazaryan, G.A. 9—73579

Manzhara, V.S. *see* Galushka, A.P. 9—73221

Manzhara, V.S. *see* Voitsekhovskii, A.V. 9—74003, 9—91498

Manzhelii, V.G., Tolkachev, A.M., Aleksandrovskii, A.N., Kokshenev, V.B., Kuchnev, V.I. Thermal expansion of methanes and conversion processes 9—65228

Manzke, G., Kremp, D. Statistical mechanics of relativistic plasmas 9—82039

Manzoni, G. *see* Cernigoi, C. 9—76906

Mao, H.K., Bell, P.M. Observations of hydrogen at room temperature (25°C) and high pressure (to 500 kilobars) 9—55870

Mao, H.K., Bell, P.M., Dunn, K.J., Chrenko, R.M., DeVries, R.C. Absolute pressure measurements and analysis of diamonds subjected to maximum static pressures of 1.3-1.7 Mbar 9—91888

Mao, H.-K. *see* Yagi, T. 9—60336

Mao Hsu *see* Hsu Mao

Mao Hsung Chang *see* Maki, T. 9—93154

Mao Jian-hua X-ray pinhole photography of the target pellet in laser fusion 9—97458

Mao Nai-hsien *see* Nai-hsien Mao

Mao Su-yin *see* Zhao Jing-lun 9—59308

Mao-cheng Yu *see* Yu Mao-cheng

Mapes, J. *see* Goodwin, R.M. 9—93245

Maple, M.B. Superconductivity and magnetic order 9—65579

Maple, M.B., DeLong, L.E., Sales, B.C. Kondo effect: alloys and compounds 9—69506

Maple, M.B. *see* Azevedo, L.J. 9—56380

Maple, M.B. *see* Hamaker, H.C. 9—82730

Maple, M.B. *see* McCallum, R.W. 9—51720

Maple, M.B. *see* Ott, H.R. 9—56374

Maple, M.B. *see* Sales, B.C. 9—66218

Maple, M.B. *see* Tovar, M. 9—78250

Maple, M.B. *see* Woolf, L.D. 9—60948, 9—73632

Maples, C., Sivak, J. MINUS3—a general purpose data acquisition system at LBL's 88″-cyclotron and superHILAC 9—93901

Maples, C.C. A specialized, multi-user computer facility for the high-speed, interactive processing of experimental data 9—88922

Mapp, G.R., IV, Cueman, M.K. Submersible liquid level alarm for evaporative concentration 9—74457

Mapperson, B., Lovegrove, W. Spatial frequency and orientation specificity of simultaneous and successive inhibition on monocular rivalry 9—53140

Maqsood, A. Application of the Mossbauer effect to the characterization of the mixed valence compound α-Rb_4FeF_3 9—51883

Maqsood, A., Wanklyn, B.M., Garton, G. Flux growth of polymorphic rare-earth disilicates, $R_2Si_2O_7$ (R=Tm, Er, Ho, Dy) 9—52097

Maqsood, A. *see* Wanklyn, B.M. 9—65991, 9—83113

Maquet, A. *see* Klarsfeld, S. 9—98049, 9—98053

Mar, G..N.La *see* La Mar, G..N.

Mar, S., Gigosos, M.A., Moreno, J.M. Deconvolution of spectral lines: an improved method 9—97439

Marable, J.H., Weisbin, C.R. Sensitivity analyses of fast reactor systems including thorium and uranium 9—67835

Maradudin, A.A. *see* Wallis, R.F. 9—73251

Maraev, S.E. *see* Guseva, E.K. 9—70286

Marafie, A.M., Bishop, G.B. Scalar leakage flux spectra for 6 MeV gamma photon penetrations through Pb-Al and Fe-Al laminated shields 9—85871

Maraghechi, B. *see* Willett, J.E. 9—90415

Marakhonov, V.I. *see* Petrov, M.P. 9—99770

Marakushev, S.A. *see* Feigin, L.A. 9—55613

Maraman, W.J. *see* Bowersox, D.F. 9—85589

Maran, S.P. *see* Heinsheimer, T.F. 9—101091

Marancik, W. *see* Sanger, P.A. 9—54144

Maranets, E.A. *see* Gavrev, V.S. 9—70276

Marano, G.A., Randegger, J.R. A bench scale calorimeter: application to a cyanomethylation process 9—97391

Marants, A.G., Litovskii, E.Ya., Landa, Ya.A., Puchkelevich, N.A., Gaenko, N.S. Standardization of the method of determining the thermal conductivity of refractory products 9—82397

Marasanov, V.V. *see* Polesskaya, L.M. 9—66239

Maraschi, L., Perola, C.G., Reina, C., Treves, A. Turbulent accretion onto massive black holes 9—62865

Maraschi, L., Treves, A. γ-rays from close binaries in the quiet stage 9—67058

Marassi, R., Bartocci, V., Gusteri, M., Cescon, P. Electrochemical behaviour and solubility study of hydrogen and acetic acid in molten alkali acetates 9—57244

Marathe, B.R. *see* Bawa, S.C. 9—61995, 9—62012

Marathe, B.R. *see* Dubey, R.C. 9—61977

Marathe, P.K. *see* Massand, O.P. 9—100753

Marathe, S.G., Rao, V.K., Bhargava, V.K., Sahakundu, S.M., Iyer, R.H. Absolute yields of ^{99}Mo and ^{111}Ag in the reactor neutron induced fission of ^{238}U 9—49642

Marathe, S.G. *see* Bhargava, V.K. 9—67785

Marathe, S.G. *see* Rao, V.K. 9—59005

Marathe, V.R. *see* Lauer, S. 9—76352

Maratkanov, V.I. *see* Gerashchenko, O.A. 9—67296

Marayama, T. Frequency distribution of the sizes of fractures generated in the branching process. Elementary analysis 9—70750

Marbach, J.R., Meoz-Mendex, R.T., Huffman, J.K., Hudgins, P.T., Almond, P.R. The effects on cardiac pacemakers of ionizing radiation and electromagnetic interference from radiotherapy machines 9—62406

Marbouty, D., Obled, C., Guillot, P. Satellite pictures and snow measurements 9—96770

Marburger, J. *see* Garmire, E. 9—55175

Marburger, J.H., Lam, J.F. Nonlinear theory of degenerate four-wave mixing 9—59751

Marburger, J.H. *see* Garmire, E. 9—59803

Marcak, H. *see* Cianciara, B. 9—92622

Marcak, Z. *see* Dargel, L. 9—60319

Marcandalli, B. *see* Bellobono, I.R. 9—96175

Marcantonatos, M.D. *see* Deschaux, M. 9—61417

Marcar, H. *see* Jarratt, J.C. 9—80710

Marcelin, M. Asymmetric rotation of the barred spiral galaxy NGC 1313 9—97082

Marcelin, M., Milliard, B. Recent results obtained with the ESO 3.6 m telescope concerning the morphology of the galaxies NGC 2997 and NGC 5128 9—97063

Marcelja, S. Initial processing of visual information within the retina and the LGN 9—74648

March, G.A. *see* Armstrong, N.A. 9—70260

March, J.F., Thurley, F. PdPtAu alloys for low-temperature precision resistors 9—69490

March, M.R. *see* Taylor, W.H. 9—85875

March, N.H. Magnetic properties of liquid metal alloys 9—51741

March, N.H. Chemical potential and electronegativity in terms of electron density 9—89589

March, N.H., Suzuki, M., Parrinello, M. Phenomenological theory of first- and second-order metal-insulator transitions at absolute zero 9—69420

March, N.H., Tosi, M.P. Hydration of divalent ions in ice 9—51122

March, N.H. *see* Bhatia, A.B. 9—82414

March, N.H. *see* Ferraz, A. 9—56184, 9—60712, 9—82535

March, N.H. *see* Flores, F. 9—95364

March, N.H. *see* Lawes, G.P. 9—92966

March, N.H. *see* Mucci, J.F. 9—93909

March, R.E. *see* Fulford, J.E. 9—54216

Marchak, I.I. *see* Skul'skaya, L.I. 9—52820

Marchal, E. *see* Andre, J.J. 9—54861

Marchal, G., Baert, A.L., Coenen, Y., Darras, T., Collette, J.M., Osteaux, M., Jeanmart, L. Early abdominal tomodensitometry with opacification 9—66551

Marchal, G. *see* Coenen, Y. 9—66552

Marchal, G. *see* Schonken, P. 9—66559

Marchal, J.-P., Brondeau, J., Canet, D. Measurement of small signals in the presence of intense peaks by Fourier transform NMR 9—93196

Marchal, P. *see* Duhamel, T. 9—84482

Marchand, A. *see* Guillot, M. 9—78341

Marchand, J.F.P. Computer control of the M.S.U. 50 MeV cyclotron 9—54704

Marchand, J.-P. *see* Benoist, R.W. 9—54042, 9—71360

Marchand, P. *see* Miller, P. 9—54668

Marchand, R. *see* Ganne, M. 9—69092

Marchand, R. *see* Guen, L. 9—73140

Marchand, R. *see* Guyader, J. 9—69093

Marchandise, X. *see* Vie, M.C. 9—57765

Marchant, A.B., Olson, D.W. Elliptical galaxies: oblate or prolate? 9—71121

Marchant, D. *see* Houdas, Y. 9—62323

Marchant, J. Effective-medium theory applied to resistor networks: an electrical network theory interpretation 9—87074

Marchbanks, R.M. *see* Kessler, P.D. 9—70544

Marche, P., Barbe, A., Bekaddour, A., Secroun, C., Jouve, P. Ground based infrared detection of atmospheric H_2CO 9—66764

Marche, P. *see* Barbe, A. 9—84371

Marchello, J. *see* Almenas, K. 9—89421

Marchello, J.M. *see* Almenas, K.K. 9—76087

Marchenko, A.N. On the gravitational quadrupole of a planet 9−58285
Marchenko, A.V. *see* Ratnikov, Ye.F. 9−77246
Marchenko, O.D. *see* Kesil'man, E.Sh. 9−80082
Marchenko, P.I. *see* Barna, A. 9−55667
Marchenko, V.A. *see* Karkin, A.E. 9−91024
Marchenko, V.G. *see* Ablekov, V.K. 9−55142
Marchenko, V.M. *see* Ablekov, V.K. 9−55142
Marchenko, V.S., Yakovlenko, S.I. The effect of a non-Maxwellian electron distribution on the degree of ionization and the accuracy of diagnostics of impurities in a plasma with joule heating 9−98973
Marchertas, A.H., Marchertas, A.H. An analysis of prestressed concrete vessels for HCDA loads 9−85666
Marchertas, A.H...*see* Marchertas, A.H. 9−85666
Marchesi, C. *see* Chierchia, S. 9−62394
Marchesin, D. The scaling limit of the ϕ^2 field in the anharmonic oscillator 9−63341
Marchesini, G. *see* Bassetto, A. 9−63418
Marcheski, J.S. *see* Harris, J.S. 9−85164
Marchetti, R., Penco, E., Perito, A., Tomassini, M., Tranquilli, A. Thermal transient effects in silicate and phosphate rods pumped in pseudoelliptic close-coupled cavities 9−76692
Marchetti, R., Penco, E., Perito, U., Tranquilli, A. Influence of birefraction and cooling on the output characteristics of a Nd-YAG laser fed to high modulation of repetition in a diffused cavity 9−50299
Marchetto, F. *see* Guy, J.G. 9−54357, 9−80844
Marchev, E.K. *see* Delchev, I.I. 9−49643
Marchevskii, F.N. *see* Karpenko, S.G. 9−94286
Marchi, A.De *see* De Marchi, A.
Marchiando, J. *see* Peterman, D.J. 9−78006
Marchie van Voorthuysen, E.H.du *see* du Marchie van Voorthuysen, E.H.
Marchioro, C., Pellegrinotti, A., Suhov, Yu., Pulvirenti, M. Time evolution of Gibbs states for an anharmonic lattice 9−54065
Marchuk, I.V., Tsisarenko, A.N., Bakai, E.A. Automated complex for recording and analyzing the evoked potentials of the human auditory system 9−57780
Marchuk, Ya.P. *see* Guminetskii, S.G. 9−57707
Marchyulionis, D.-V.A., Bareishis, I.P., Stribis, A.P., Dyaveikis, V.B. System for stabilizing stress amplitude in fatigue-testing machines 9−52501
Marciano, F. *see* Giaquinto, S. 9−96534
Marciano, W., Pagels, H. Quantum chromodynamics 9−67498
Marciano, W.J. Magnetic monopoles and non-Abelian gauge theories 9−49367
Marciano, W.J. Weak mixing angle and grand unified gauge theories 9−89093
Marciano, W.J., Wyler, D., Parsa, Z. Equipartitioned jets: new tests of quantum chromodynamics 9−71697
Marcilhacy, G. New exact cylindrical solutions of the Einstein-Maxwell equations of general relativity 9−97274
Marciniak, T.J., Holtz, R.E. Solid waste utilization in integrated community energy systems 9−100359
Marciniak, W., Cwirko, R. Scanning analyzer of electrophysical parameters in Si-SiO_2 structures. I 9−91145
Marcinkowski, A. *see* Augustyniak, W. 9−49566
Marcinkowski, A. *see* Erlandsson, B. 9−49600
Marcinkowski, M.J. Differential geometry associated with the expansion process 9−67159
Marcinkowski, M.J. Unifying concepts in the theories of elasticity, plasticity, and dislocations 9−77599
Marcinkowski, M.J. *see* Jagannadham, K. 9−50659, 9−51115, 9−55743, 9−64590, 9−69341, 9−73247
Marco, F.De *see* De Marco, F.
Marco, P.Di *see* Di Marco, P.
Marconero, R. *see* Ascoli-Bartoli, U. 9−60170
Marcos, A.Suarez *see* Suarez Marcos, A.
Marcos, F.A. *see* Forbes, J.M. 9−53593
Marcou, C. *see* Moutzouris, C. 9−66707
Marcou, J. *see* Thomin, G. 9−50441
Marcoz, J. *see* Lecoffre, Y. 9−55402
Marculescu, L., Frunza, S. Optical spectra of lead centres in NaBr crystals 9−78717
Marcus, J. *see* Doumerc, J.-P. 9−60879
Marcus, M.A. Phase separation and crystallization in amorphous Pd-Si-Sb 9−51002
Marcus, M.A. Electrical resistometric detection of relaxation in an amorphous Pd-Si-Sb alloy 9−60278
Marcus, M.A. Mechanical properties of mostly-crystalline, rapid-quenched Pd-Si-Sb 9−61610
Marcus, M.A., Lemley, A.T., Lewis, A. Implications of modelling the chromophore of Rhodopsin and bacteriorhodopsin with resonance Raman spectra of retinal Schiff bases 9−62190
Marcus, P., Oudar, J., Olefjord, I. XPS-study of the passive film on nickel 9−100469
Marcus, P. *see* Oudar, J. 9−66340
Marcus, P.M. *see* Jona, F. 9−77875
Marcus, P.M. *see* Passler, M. 9−86982
Marcus, P.M. *see* Spanjaard, D. 9−60894
Marcus, P.S. Stellar convection. I. Modal equations in spheres and spherical shells 9−101137
Marcus, R.A. Vibrational nonadiabaticity and tunneling effects in transition state theory 9−74350
Marcus, R.A. *see* Turfa, A.F. 9−68302
Marcus, R.B. *see* Dishman, J.M. 9−78191
Marcus, S., Carter, G.M. Electrooptically Q-switched CO_2 waveguide laser 9−98416
Marcus, S. *see* Carter, G.M. 9−98380
Marcuse, D. Calculation of bandwidth from index profiles of optical fibers. I. Theory 9−76815
Marcuse, D. Multimode fiber with z-dependent α-value 9−81521
Marcuse, D. Interdependence of waveguide and material dispersion 9−98470
Marcuse, D. *see* Boggs, L.M. 9−76816
Marcuse, D. *see* Presby, H.M. 9−50448, 9−50464, 9−81527
Marcy, W.M. Application of solar photovoltaic concentrating systems to deep well irrigation 9−92082
Marcz, F. Solar electron fluxes, increased geomagnetic activity and ionospheric absorption following selected flares 9−75175
Marczewski, M., Strzalkowski, I. Internal electron photoemission in MIS structures 9−91144
Mard, C.J.Saint *see* Saint Mard, C.J.
Mardesich, N. *see* Ardell, A.J. 9−77606
Mardezhov, A.S., Svitashev, K.K., Semenenko, A.I., Semenenko, L.V. Ellipsometric investigation of semiconductor substrate-semiconductor epitaxial layer systems with a complex distribution of the doping agent 9−99453
Mardion, G.B., Claudet, G., Seyfert, P. Practical data on steady state heat transport in superfluid helium at atmospheric pressure 9−60565
Mardion, G.Bon *see* Bon Mardion, G.
Mardirosova, I.V., Rabkina, I.G., Bukhalova, G.A. Manganese (II) phosphates formed in the system $RbPO_3$-$Mn(PO_3)_2$ 9−78943
Mardirossian, F. *see* Cester, B. 9−58371
Mardirossian, F. *see* Crivellari, L. 9−58267
Mardirossian, F. *see* Giuricin, G. 9−101175
Mardix, S., Lang, A.R. Image reduction to submicrometer dimensions by asymmetric crystal reflection of X-rays 9−58859
Mardykhaev, I.R. Definition of the front of the shock wave in the non-linear-visco-elastic rods 9−50635
Marec, J. *see* Moisan, M. 9−50868
Marechal, J.C. *see* Mathieu, P. 9−55965
Marechal, L.Le *see* Le Marechal, L.
Marechal, Y. *see* Auvert, G. 9−91422
Marechal, Y. *see* Leviel, J.L. 9−51938
Mareev, V.V., Prozorova, E.V. Gasdynamic expansion of a cylindrical 'cloud' 9−81837
Marek, I.M. *see* Zhak, K.M. 9−57016
Marek, J., Mohyla, I., Kos, J., Krcek, M. Negative electrodes for nickel-cadmium accumulators: their properties as determined by impregnation procedure 9−57422
Marek, J., Richter, J., Stahnke, H.-J. Radiative lifetimes of some Fe I levels 9−49987
Marek, J., Sloane, A. A finite rotating body in general relativity 9−63104
Marel, C.van der *see* van der Marel, C.
Marel, L.C.van der *see* van der Marel, L.C.
Marenkin, S.F., Maksimova, S.I., Khuseinov, B., Shevchenko, V.Ya. Region of homogeneity of $CdAs_2$ 9−51268
Marenkin, S.F. *see* Danilenko, G.N. 9−77767
Maresca, C., Favier, D., Rebont, J. Experiments on an aerofoil at high angle of incidence in longitudinal oscillations 9−72969
Maretis, D.K. Talmi transformation and the multicenter integrals of harmonic oscillator functions 9−93908
Marevtseva, N.A. Induction of subsonic wind tunnels with slight perforation 9−68738
Marezio, M. *see* Bochu, B. 9−90615
Marezio, M. *see* Hodeau, J.L. 9−86752
Marezio, M. *see* Muller, J. 9−55713, 9−55720
Marfaing, Y. *see* Hoclet, M. 9−55853
Marfaing, Y. *see* Mimila-Arroyo, J. 9−51668
Margalit, S. *see* Ury, I. 9−64242
Margalith, A., Primiano, F.P., Jr., Mergler, H.W. Computational algorithms used in a microprocessor-based blood gas analyzer 9−57805
Margani, A., Nguyen Xuan, C., Di Stefano, G., Lenzi, M. Pressure dependence of some 6p→6s emissions in vacuum ultraviolet irradiated Xe 9−63950
Margani, A. *see* Lenzi, M. 9−54948
Margaritondo, G., Cerrina, F., Williams, G.P., Lapeyre, G.J. Initial and final state effects in the photoionization spin-orbit branching ratio of core levels 9−83094
Margaritondo, G., Rowe, J.E. Synchrotron-radiation photoemission spectroscopy of octahedrally coordinated layer compounds 9−74058
Margaritondo, G., Rowe, J.E., Christman, S.B. Photoionization cross section of d-core levels in solids: A synchrotron radiation study of the spin-orbit branching ratio 9−74057
Margaritondo, G., Stoffel, N.G. Nearest-neighbor backscattering effects in angle-integrated photoemission spectroscopy of core levels 9−65977
Margaritondo, G., Stoffel, N.G., Levy, F. Chemical bonds and electronic states in antimony triiodide 9−56914
Margaritondo, G., Weaver, J.H., Stoffel, N.G. Photon polarisation effects in angle-integrated photoemission spectroscopy: a simple experimental geometry 9−67395
Margaritondo, G. *see* Quattropani, A. 9−73439
Margerie, J. *see* Maisonneuve, A. 9−69814
Margheritis, C., Flor, G., Sinistri, C. Miscibility gaps in fused salts. X. The reciprocal ternary system, K, Li/Br, F 9−82348
Margiani, E.A. *see* Mandzhgaladze, S.N. 9−57140
Margolese, D. *see* Patel, D. 9−64116
Margolin, A.D., Krupkin, V.G. Extinction conditions of a diffuse flame 9−91956
Margolin, A.M., Dudkevich, V.P., Zipalova, V.F., Fesenko, E.G. Experimental evidence of ferroelectricity in thin films of vacuum condensates of complex oxides 9−69781
Margolin, H., Longo, R.B. Slip and spacings in alpha titanium 9−99211
Margolin, H. *see* Young, M. 9−61604
Margolin, L.I. *see* Romanovskii, S.G. 9−68557
Margolin, L.Ya. *see* Batenin, V.M. 9−98975
Margolin, L.Ya. *see* Pyatnitskii, L.N. 9−64923
Margolin, N.M. *see* Gubankov, V.N. 9−78268
Margolis, B. *see* Afek, Y. 9−63443
Margolis, J.S. *see* Kavaya, M.J. 9−94325
Margolis, S.H. Grain motions in the solar nebula 9−84686
Margolis, S.H. Injection of isotopic anomalies into the early solar nebula 9−101094
Margon, B., Ford, H.C., Katz, J.I., Kwitter, K.B., Ulrich, R.K., Stone, R.P.S., Klemola, A. The bizarre spectrum of SS 433 9−62839
Margon, B. *see* Abell, G.O. 9−75226
Margon, B. *see* Bradt, H. 9−62930
Margon, B. *see* Crawford, R. 9−71027
Margon, B. *see* Paresce, F. 9−71159
Margoninski, Y. Ultra-high vacuum systems for surface research 9−67323
Margoninski, Y., Eger, D. The influence of ion bombardment and annealing on the conductivity of the polar ZnO (000$\bar{1}$) surface 9−51653
Margottin-Maclou, M. *see* Seoudi, B. 9−59539
Marguinaud, A. Distortion characterization of the tropospherical channel 9−58065
Margulies, L., Stockburger, M. Polarized resonance Raman spectra of an oriented diphenylpolyene 9−59466
Margulies, S. *see* Bromberg, C. 9−54438, 9−89199, 9−89200
Marhic, M.E., Kwan, L.I., Epstein, M. Whispering-gallery CO_2 laser 9−81447
Marhoff, P. New techniques in X-ray television. I. Improvements in transmission characteristics 9−53215
Mari, C.M. *see* Ewart, F.T. 9−49689
Mari, C.M. *see* Toci, F. 9−96324
Maria, M.De *see* De Maria, M.
Marian, C.M. *see* Bruna, P.J. 9−49934
Mariani, E. *see* Svantner, M. 9−100119
Mariani, F. *see* Dobrowolny, M. 9−75072
Mariani, J.J., Lienard, J.S., Renard, G. Speech recognition in the context of two-way immediate person-machine interaction 9−64423
Mariani, M. *see* Catalano, F. 9−88112
Maric, S., Stojic, M. Lattice defects in quenched p-type GaAs 9−56160
Marichy, G., Chassagne, G., Durand, D. Optical properties of metal aggregates in Li^+ and K^+ irradiated MgO crystals 9−65907
Maricq, M.Matti *see* Matti Maricq, M.
Marie, J.-L. *see* Lance, M. 9−72925
Marie, K.H.S., Bennett, J.C., Anderson, A.P. Digital processing technique for suppressing the interfering outputs in the image from an online hologram 9−50248
Mariella, R.P., Jr. Efficient generation of tunable ultraviolet radiation down to 2400 Å 9−55182
Mariella, R.P., Jr. Collisional ionization of electronically excited lithium 9−64087
Mariella, R.P., Jr. A study of laser-assisted surface ionization of lithium 9−87540
Marien, J. High-field electrolysis of zinc oxide surface layers while field emitting electrons or ions 9−52084
Marien, J. *see* Plomp, A. 9−83684
Mariette, H., Chevallier, J. Alloying induced shift between excitation and luminescence of the nitrogen bound exciton in GaP_xAs_{1-x} alloys 9−52013
Mariette, V. *see* Le Tareau, J.Y. 9−62611
Mariev, S.A. *see* Bazin, Yu.A. 9−90521
Marignan, J., Parodi, O. Focal conics motions and plasticity in smectics A 9−86692
Marigold, J.C.L. *see* Hand, J.W. 9−100795
Marigold, J.C.L. *see* Hume, S.P. 9−88054
Marikhin, V.A. *see* Belov, G.P. 9−52333
Marilli, E. *see* Blanco, C. 9−58328, 9−92766
Mar'in, V.I., Moiseev, V.A. Device for joining cables of optical transmission lines 9−68433
Mar'in, V.P. *see* Nikolaev, I.N. 9−99812
Marinangeli, A., Morelli, M.A., Simoni, R., Bertoluzza, A. A Raman and infrared study of aqueous solutions of sodium silicates as a function of pH 9−87866

Marinaro, M. *see* Fusco-Girard, M. 9—65584
Marincic, N. *see* Schlaikjer, C.R. 9—100504
Marinder, B.-O., Horlin, T., Magneli, A. Structure and ionic conductivity of $Li_x(MO)_4Me_{30}O_{90}$ ($Me=Nb^V, W^{VI}$) 9—65246
Marinelli, D.P. *see* Ladany, I. 9—68393
Marinelli, F. *see* Pujol, L. 9—93932
Marinescu, N. *see* Bernreuther, W. 9—85296
Marini, A., Berbenni, V., Flor, G. Kinetic parameters from thermogravimetric data 9—61859
Marini, A. *see* Esposito, B. 9—63489
Marini, A. *see* Flor, G. 9—57227
Marinin, V.S. *see* Khohlov, Yu.I. 9—65178
Marinin, V.S. *see* Pashkov, V.V. 9—65144
Marinko, D. *see* Hudson, J.L. 9—100380
Marinkovic, M. *see* Hadziahmetovic, D. 9—51493
Marinkovic, M. *see* Maksimovic, R. 9—82734
Marinkovic, M.M. *see* Maksimovic, R. 9—54780
Marinkovic, S. *see* Raskovic, V. 9—52403
Marino, A. *see* Barbini, R. 9—68030
Marino, A.A. *see* Mitchell, J.T. 9—62212
Marino, J.D. *see* Jassby, D.L. 9—50898
Marino, S.A. *see* Rohrig, N. 9—53196
Marinov, M. Gold decoration of individual silver crystals, brought about by ion bombardment 9—69164
Marinov, M. *see* Kozhukharov, V. 9—90562
Marinov, S. The coordinate transformations of the absolute space-time theory 9—67157
Marinova, E.M. *see* Yanishlieva, N.Y. 9—52799
Marinucci, T., Sciuto, S. Quantization of the conservation laws in the supersymmetric sine-Gordon model 9—89058
Marioge, J.P. *see* Mahe, C. 9—50452
Marion, F. *see* Rasneur, J. 9—82649
Marion, R.H., Muenzer, W.A. Development of Be_2C-graphite-UC_2 fuel for pulsed reactors 9—67856
Mariot, J.-M. *see* Durham, P.J. 9—83059
Maris, H.J. Phonon transmission across interfaces and the Kapitza resistance 9—65271
Maris, H.J. Comment on temperature variations near a surface in He II 9—73363
Maris, T.A.J., Teodoro, M.R., Veit, E.A. Comparison of quasifree (p,2p) with (p,pn) scattering as a check of the impulse approximation 9—93621
Maris, Th.A.J., Teodoro, M.R., Vasconcellos, C.A.Z. Nuclear information from quasi-free scattering with polarized protons 9—75846
Maris, Z. *see* Bratescu, G.G. 9—59791
Mariscotti, M.A.J., Bermudez, G.G., Acquadro, J.C., Lepine, A., Rao, M.N., Seale, W., der Mateosian, E., Thieberger, P. Band structure in ^{78}Rb 9—54380
Mariscotti, M.A.J. *see* Kreiner, A.J. 9—54375
Mark, H. Electro- and photoresponsive polymers 9—56261
Mark, H. *see* Chen, M.H. 9—81180, 9—93962
Mark, H.F., Pearce, E.M. Polymers as materials 9—56918
Mark, J.E. *see* Llorente, M.A. 9—90570
Mark, J.W.-K. *see* Berman, R.H. 9—88745, 9—92809
Mark, J.W.-K. *see* Bertin, G. 9—84860
Mark, J.W.-K. *see* Coppi, B. 9—50852, 9—64845, 9—82051, 9—82084
Mark, P., Creighton, W.F. The effect of surface index and atomic order on the GaAs-oxygen interaction 9—60638
Mark, P. *see* Duke, C.B. 9—86967
Mark, P. *see* Lee, B.W. 9—82661
Mark, P. *see* Meyer, R.J. 9—77462
Mark, P. *see* Windischmann, H. 9—97371
Mark, T.D., de Heer, F.J. Comment on a recent fast beam measurement of the electron impact ionisation cross sections of He, C, O and N atoms 9—81283
Mark, W.van der *see* van der Mark, W.
Markaryan, G.E. *see* Akimov, Yu.K. 9—49525
Markel, J.D. *see* Buzo, A. 9—59881
Markel, J.D. *see* Wong, D.Y. 9—86304
Markelis, A. *see* Pranevicius, L. 9—91274
Markenscoff, X. The independent fourth-order elastic coefficients for the trigonal and hexagonal symmetry classes 9—77665
Markenscoff, X., Yannas, I.V. On the stress-strain relation for skin 9—74705
Markert, H. *see* Wagner, F.M. 9—65697
Markert, R. *see* Gasch, R. 9—81783
Markert, T. *see* Giacconi, R. 9—70941
Markert, T.H., Winkler, P.F., Laird, F.N., Clark, G.W., Hearn, D.R., Sprott, G.F., Li, F.K., Bradt, H.V., Lewin, W.H.G., Schnopper, H.W. The MIT/OSO 7 catalog of X-ray sources: intensities, spectra and long-term variability 9—80243
Markey, B.R. *see* Craig, D.P. 9—51099
Markey, B.R. *see* Reynolds, P.A. 9—73119
Markham, R., Garner, R.T., Parker, E.A., Johnson, M.W. A simple recording densitometer for electron micrographs 9—49343
Markham, R.G. Tapped delay line focal plane detectors 9—68161
Markham, R.G. *see* Austin, S.M. 9—54441
Markham, R.G. *see* Iwasaki, Y. 9—93495
Markhasin, V.S., Mil'shtein, G.N. Modelling the influence of rhythm on the force of contraction of heart muscle 9—79568
Marki, M. *see* Lanz, P. 9—54684
Markides, A. Speech discrimination functions for normal-hearing subjects with AB isophonemic word lists 9—92240
Markiewicz, T.W. *see* Clark, A.R. 9—75779
Markin, O.A. *see* Vedenov, A.A. 9—59752
Markin, S.A. *see* Gryaev, V.M. 9—97877
Markin, V.A. P.A. Kropotkin—meteorologist 9—97167
Markin, V.Ya. *see* Andrievskii, R.A. 9—77640
Markina, I.S. *see* Bondarenko, V.G. 9—84676
Markina, M.A., Stariznyi, E.S., Breger, A.Kh. Experimental determination of γ-radiation power of fission products in short operation of nuclear reactors 9—67823
Markina, M.A., Stariznyi, E.S., Breger, A.Kh. Study of irradiator yield of uranium hot loop at steady-state power level 9—97836
Markiv, V.Ya. *see* Belyavina, N.N. 9—51049, 9—95998
Markkanen, T. Polarization measurements and extinction near the North Galactic Pole 9—62814
Marklund, S. Electron states associated with partial dislocations in silicon 9—60760
Markman, G.S., Urintsev, A.L. Development of finite-amplitude convection in a vibrating layer of fluid heated from above 9—86424
Marko, H., Platzer, H., Stroke, G.W. Optical processing 9—59651
Marko, K.A., Rimai, I. Space- and time-resolved coherent anti-Stokes Raman spectroscopy for combusion diagnostics 9—76757
Marko, M.A., Nalyvaiko, M.S., Kuz'ma, Yu.B. X-ray investigation of phase equilibria in the systems Y-Ge-B and La-Ge-B 9—99294
Markon, S. *see* Uenosono, C. 9—81324, 9—81325
Markosyan, A.S. *see* Andreev, A.V. 9—56527
Markos'yan, G.N. *see* Molodov, A.I. 9—61872
Markov, A.A. *see* Korol'kov, V.A. 9—49250
Markov, G.A., Mironov, V.A., Sergeev, A.M. Self-channeling of plasma waves in a magnetic field 9—77375
Markov, G.A. *see* Bazhanov, V.S. 9—94793
Markov, I., Karaivanov, V. A one-dimensional model of the mobility of small epitaxial islands. I. Parabolic substrate potential 9—95299
Markov, V., Odulov, S., Soskin, M. Dynamic holography and optical image processing 9—94194
Markov, V. *see* Kondilenko, V. 9—50250
Markov, V.B., Soskin, M.S., Khizhnyak, A.I., Shishkov, V.F. Structural conversion of a coherent beam with a volume phase hologram in $LiNbO_3$ 9—59656
Markov, V.B. *see* Belabaev, K.G. 9—51635, 9—69556
Markov, V.B. *see* Kukhtarev, N.V. 9—86136, 9—86137
Markov, V.I. *see* Aref'ev, N.B. 9—67383
Markov, V.V. *see* Korobeinikov, V.P. 9—64796
Markov, Yu.F. *see* Barta, C. 9—99337, 9—99889
Markov, Yu.F. *see* Zadokhin, B.S. 9—73948
Markov, Yu.N., Nesmelov, E.A., Gainutdinov, I.S. Method of synthesizing achromatic low-reflection and beam-splitting coating 9—98496
Markova, S.N. *see* Korolenko, P.V. 9—94274
Markova, T.I. *see* Aref'ev, K.P. 9—99974
Markovic, M., Komunjer, L. A new method to follow crystal growth by Coulter counter 9—52100
Markovich, O.V. *see* Bokshtein, S.Z. 9—57009
Markovski, V.I. *see* Alexandrov, A.K. 9—88976
Markovskii, E.A. *see* Kazachkov, S.P. 9—69174
Markovskii, V.S., Dusyatskii, V.A. Certain results of studies in magnetic properties of rocks from sulphide mineralization zones in the north-western part of the Ukrainian Shield 9—96758
Markowski, F.J. *see* McCall, T.B. 9—85657
Marks, J., Wenckebach, W.Th., Poulis, N.J. Magnetic ordering of proton spins in $Ca(OH)_2$ 9—73746
Marks, J.M. Simple partial pressure measurement of SF_6 in mixtures with nitrogen 9—71478
Marks, R.J., II, Hall, M.W. Ambiguity function display using a single 1-D input 9—94158
Marks, R.J., II, Jones, M.I., Kral, E.L., Walkup, J.F. One-dimensional linear coherent processing using a single optical element 9—94165
Marks, R.J., II, Larson, J.N. One-dimensional Mellin transformation using a single optical element 9—50231
Marks, R.J., II, Walkup, J.F., Hagler, M.O. Methods of linear system characterization through response cataloging 9—50229
Marks, R.J., II *see* Hagler, M.O. 9—76622
Marks, T. *see* Gyles, W. 9—85534
Marks, T. *see* Johnson, R.R. 9—71872, 9—97653
Marks, T. *see* Mazzucato, E. 9—85525
Marks, T.J. *see* Broach, R.W. 9—89801
Markson, R. *see* Fairall, C.W. 9—58074
Markun, F. *see* Rundo, J. 9—79662
Markus, M.M. *see* Alekseevskii, N.E. 9—86773
Markus, S. Refined theory of damped axisymmetric vibrations of double-layered cylindrical shells 9—75338
Markushin, V.E. *see* Bogdanova, L.N. 9—93476
Markvoort, J.A. *see* Hopman, H.J. 9—59258
Markworth, A.J. Asymptotic characteristics of anisothermal oxidation 9—61763
Markworth, A.J. *see* Bauer, A.A. 9—89382
Markworth, N.L. The eclipsing binary U Cephei—new observations and solutions 9—67054
Markytan, M. *see* Deutschmann, M. 9—85345
Markytan, M. *see* Girtler, P. 9—89197
Markytan, M. *see* Givernaud, A. 9—58982
Markytan, M. *see* Otter, G. 9—85338
Marland, G. Extracting energy from warm seawater 9—83577
Marland, G. *see* Rust, B.W. 9—84381
Marland, L.G., Stinchcombe, R.B. RG approach for percolation—magnetic indices 9—63163
Marlborough, J.M. *see* Leparskas, H.J.A. 9—67006
Marler, P. *see* Zoloth, S.R. 9—79563
Marling, J.B., Herman, I.P. Deuterium separation with 1400-fold single-step isotopic enrichment and high yield by CO_2-laser multiple-photon dissociation of 2,2-dichloro-1,1,1-trifluoroethane 9—64112
Marling, J.B., Nilsen, J., West, L.C., Wood, L.L. An ultrahigh-Q isotropically sensitive optical filter employing atomic resonance transitions 9—55216
Marling, J.B. *see* Herman, I.P. 9—79276, 9—91928
Marlow, D., Barnes, P., Dytman, S., Eisenstein, R., Wharton, W., Takeutchi, F., Bart, S., Hancock, D., Hackenburg, R., Hungerford, E., Pinsky, L., Williams, T., Chrien, R., Palevsky, H., Sutter, R. K^--^{12}C elastic scattering at 800 MeV/c 9—85564
Marlow, I., Thomas, R.K., Trewern, T.D., White, J.W. Neutron scattering and physisorption 9—60640
Marmar, E.S. *see* Schuss, J.J. 9—82078
Marmeggi, J.C., Baruchel, J. Antiferromagnetic domains in nickel oxide by magnetic neutron Laue diffraction 9—51806
Marmeggi, J.C., Courbion, G. Laue diffraction of neutrons applied to the magnetic structure of $NaMnCrF_6$ 9—99682
Marmer, G.J. *see* Opelka, J.H. 9—72029
Marmo, G., Saletan, E.J., Simoni, A. Reduction of symplectic manifolds through constants of the motion 9—49020
Marmo, G., Saletan, E.J., Simoni, A. A general setting for reduction of dynamical systems 9—63011
Marmor, J.B., Hahn, G.M. Ultrasound heating in previously irradiated sites 9—62315
Marmor, J.B., Pounds, D., Hahn, N., Hahn, G.M. Treating spontaneous tumors in dogs and cats by ultrasound-induced hyperthermia 9—62290
Marmorino, G.O. Low-frequency current fluctuations in Lake Ontario, Winter 1972-1973 (IFYGL) 9—57981
Marmorino, G.O. Inertial currents in Lake Ontario, winter 1972-73 (IFYGL) 9—79882
Marmorino, G.O., Caldwell, D.R. Temperature finestructure and microstructure observations in a coastal upwelling region during a period of variable winds (Oregon, summer 1974) 9—66704
Marner, F.J. *see* Cardellina, J.H.M., II 9—66443
Marode, E., Bastien, F., Bakker, M. A model of the streamer-induced spark formation based on neutral dynamics 9—55588
Marohnic, Z., Hamzic, A., Babic, E., Ivkov, J. Galvanomagnetic properties of amorphous ferromagnets 9—56196
Marohnic, Z., Saub, K., Babic, E., Ivkov, J. Resistivity variation near the critical temperature in some Ni-Fe base amorphous alloys 9—73488
Marohnic, Z. *see* Babic, E. 9—56181, 9—60785, 9—60786, 9—73489
Marohnic, Z. *see* Ivkov, J. 9—56182
Marohnic, Z. *see* Pivac, B. 9—56200
Marois, M. *see* Guidoin, R. 9—53278
Maroli, C., Bornatici, M. Wave propagation and absorption near the electron-cyclotron layer in the 'THOR' device 9—98921
Marom, E., Chen, B., Ramer, O.G. Spot size of focused truncated Gaussian beams 9—59737
Marom, E., Chen, B., Ramer, O.G. Determination of ray directions coupled out of waveguides through prisms and gratings 9—59841
Marom, E., Ramer, O.G. Geodesic optical waveguide lens analysis: comment 9—76879
Marom, E. *see* Barnoski, M.K. 9—50445, 9—72720
Marom, E. *see* Kasher, I. 9—55071
Marom, E. *see* Katz, J. 9—76633
Marom, E. *see* Ramer, O.G. 9—50330
Marom, G., Johnsen, A.C. On the applicability of linear elastic fracture mechanics to the longitudinal fracture of unidirectional composites 9—91784
Marom, G. *see* Fischer, S. 9—52351
Maron, D.Moalem *see* Moalem Maron, D.
Maron, M.B., Hakim, T.S., Dawson, C.A. Pulmonary hemodynamic responses to elevated cerebral spinal fluid pressure in the dog 9—88108
Maronchuk, I.E. *see* Kovalenko, B.F. 9—94236
Maroni, V. *see* Abdou, M.A. 9—76141

Maroni, V.A. *see* Stacey, W.M., Jr. 9—71967
Maroni, V.A. *see* Van Deventer, E.H. 9—69295
Maroof, A. *see* Islam, N. 9—77793
Marot, A. *see* Dosso, L. 9—57924
Maroto, J.R.Gonzalez *see* Gonzalez Maroto, J.R.
Marotz, G.A., Henry, J.A. Satellite-derived cumulas cloud statistics for western Kansas 9—79955
Maroudas, A. *see* Urban, J.P.G. 9—62276
Marple, L. Spectral line analysis by Pisarenko and Prony methods 9—55269
Marple, L. *see* Kay, S. 9—59871
Marples, J.A.C. *see* Malow, G. 9—49790
Marples, V., Ryde-Weller, A. The technique of correlation, selection of correlation parameters and applications to noise and vibration analysis 9—81617
Marquardt, C.L., Gliemeroth, G. Formation of metallic silver on silver-halide surfaces; Flash-photolysis experiments on silver-halide photochromic glasses 9—94310
Marquardt, D. *see* Henrion, G. 9—52668
Marquerre, K., Wolfel, H. Mechanics of vibration 9—80439
Marques, A.D.S. *see* Lin, C.T. 9—78661
Marques, F. *see* Lapiedra, R. 9—88818
Marques Dos Santos, P., Lepine, J.R.D., Gomez Balboa, A.M. Search for H_2O emission from unidentified type II OH stars 9—75286
Marques dos Santos, P. *see* Murdin, P. 9—92783
Marquet, L.C., Hardy, J. Historical review of adaptive optics technology 9—59793
Marquez, J. *see* Arqueros, F. 9—98230
Marr, D., Ullman, S., Poggio, T. Bandpass channels, zero-crossings, and early visual information processing 9—83779
Marr, D.R. *see* Cappiello, M.W. 9—54489
Marr, G.V. *see* Holland, D.M.P. 9—85939
Marr, J. *see* Glasser, F.P. 9—61567
Marr, W.W. COBRA-3M: A modified version of COBRA for analyzing thermal-hydraulics in small pin bundles 9—76067
Marr, W.W. *see* Hwang, I.T. 9—49750
Marra, R., Miracle-Sole, S. On the statistical mechanics of the gauge invariant Ising model 9—71373
Marraffino, J. *see* Fry, J.R. 9—54366
Marrello, V., Onton, A. Electroluminescence efficiency profiles of Mn in ZnS AC thin-film electroluminescence devices 9—65931
Marriott, A.T. *see* Ferber, R.R. 9—52900
Marris, A.W. On steady screw motion of a viscous fluid 9—50736
Marris, A.W. Steady universal motions of Rivlin-Ericksen fluids 9—68757
Marris, A.W. Addition to 'Universal solutions in the hydrostatics of nematic liquid crystals' 9—69007
Marris, A.W. The impossibility of steady screw motions of a Navier-Stokes fluid 9—94627
Marris, A.W. *see* Wang, C.-C. 9—68758
Marro, J., Lebowitz, J.L., Kalos, M.H. Computer simulation of the time evolution of a quenched model alloy in the nucleation region 9—82344
Marrot, J. *see* Boyer, D. 9—64047
Marrs, R.E., Pollock, R.E. Inclusive (p,π^+) cross sections near threshold 9—85462
Marrs, R.E. *see* Jeppesen, R.H. 9—85533
Marrs, R.E. *see* Pile, P.H. 9—63667
Marrucci, G. A mechanical model for rubbers containing entanglements 9—81315
Marsau, P. *see* Cotrait, M. 9—99175
Marsch, E. *see* Gurnett, D.A. 9—80182
Marschall, L.A. A tale of two eclipses 9—80411
Marschoff, C.M. *see* Baron, C.E. 9—87758
Marsden, B.G. Periodic Comet Schwassmann-Wachmann 3 (1979g) 9—92720
Marsden, B.G., Bortle, J. Comet Bradfield (1979c) 9—92721
Marsden, B.G. *see* Giclas, H.L. 9—101118
Marsden, B.G. *see* Helin, E. 9—92693, 9—101108
Marsden, B.G. *see* Kowal, C.T. 9—70986, 9—96973
Marsden, B.G. *see* Torres, C. 9—75160
Marsden, M.A.H. *see* Sternberg, R.W. 9—100841
Marsden, R.G. *see* Davies, S.T. 9—80116
Marseguerra, M. *see* Balestri, L. 9—58015
Marseguerra, M. *see* Carloni, F. 9—59120, 9—76062, 9—76082, 9—89343
Marsh, B.D. Island-arc volcanism 9—100823
Marsh, D. *see* Baker, J.M. 9—95641
Marsh, K.J., Savage, J.A. An assessment of some melt-grown halide and chalcogenide cubic compounds as passive 8 to 12 μm optical materials 9—98450
Marsh, O.J. *see* Akutagawa, W. 9—55772
Marsh, O.J. *see* Baron, R. 9—51512
Marsh, O.J. *see* Young, M.H. 9—87055
Marsh, P. *see* Woo, M. 9—70817
Marsh, R.E. *see* Schomaker, V. 9—90582
Marshak, A.H., Shrivastava, R. Law of the junction for degenerate materials with position-dependent band gap and electron affinity 9—87150
Marshak, H., Soulen, R.J., Jr. Measurement of thermodynamic temperatures using noise and nuclear orientation thermometers 9—63218
Marshak, H., Turrell, B.G. γ-ray emission from oriented nuclei in a multiaxis nuclear spin system: $^{166m}Ho^{165}Ho$ 9—82905
Marshak, M. *see* Igo, G. 9—80916
Marshakova, L.N. *see* Domashevskaya, E.P. 9—65380
Marshall, A.G. Convolution Fourier transform ion cyclotron resonance spectroscopy 9—75648
Marshall, A.G. *see* Luoma, G.A. 9—100569
Marshall, A.H. Acoustical design and evaluation of Christchurch Town Hall, New Zealand 9—68488
Marshall, A.H. Aspects of the acoustical design and properties of Christchurch Town Hall, New Zealand 9—68490
Marshall, A.H., Hyde, J.R. Some preliminary acoustical considerations in the design for the proposed Wellington (New Zealand) Town Hall 9—81633
Marshall, B.J. *see* Bailey, W.E. 9—73633
Marshall, C.H., Gore, J.C., Tofts, P.S. Absolute values of attenuation coefficients in computed tomography 9—83918
Marshall, C.K. Application of holographics to head-up displays 9—50266
Marshall, D.B., Lawn, B.R. Residual stress effects in sharp contact cracking I. Indentation fracture mechanics 9—83300
Marshall, D.B., Lawn, B.R., Chantikul, P. Residual stress effects in sharp contact cracking. II. Strength degradation 9—100245
Marshall, D.B. *see* Arora, A. 9—66147
Marshall, D.B. *see* Lawn, B.R. 9—66183, 9—66228, 9—100249
Marshall, F.E., Swank, J.H., Boldt, E.A., Holt, S.S., Serlemitsos, P.J. X-ray observations of H 1908+050 (=SS 433?) 9—71153
Marshall, F.E. *see* Phillips, M.M. 9—88741
Marshall, F.E. *see* Rose, L.A. 9—92890
Marshall, G.M. *see* Kiefl, R.F. 9—56679
Marshall, G.M. *see* Mikula, R.J. 9—57272
Marshall, H. *see* Diksic, M. 9—63673
Marshall, H.W. *see* Bulawa, W.F. 9—70636
Marshall, I.H., Rhodes, J., Banks, W.M. General investigation of snap-through buckling of shallow orthotropic shells 9—98642
Marshall, J. *see* McSherry, A.J. 9—61680
Marshall, J.F. *see* Main, I.G. 9—82751
Marshall, J.T., Pell, J.L. Path-integral evaluation of the space-time propagator for quadratic Hamiltonian systems 9—88824
Marshall, L., Lang, M.T., Wheale, M. Tensile properties of die-forged material after heat treatment [zinc containing aluminium alloy] 9—66103
Marshall, M. *see* Birch, R. 9—52047
Marshall, P.D., Springer, D.L., Rodean, H.C. Magnitude corrections for attenuation in the upper mantle 9—66642
Marshall, R.E., Lane, S.O., Babula, S.M., Santaga, P., Ackermann, E.G. Preliminary results of propagation measurements in the Eastern US using the SIRIO satellite 9—84343
Marshall, R.E. *see* Meadows, D.N. 9—80590
Marshall, R.S. Symmetrical velocity profiles for Jeffery-Hamel flow 9—64623
Marshall, S. *see* Zeto, R.J. 9—100279
Marshall, T.C. *see* Gilgenbach, R.M. 9—64163, 9—68946
Marshall, T.R. *see* Langley, K.H. 9—66365
Marshall, W.S., Bern, H.A. Teleostean urophysis: urotensin II and ion transport across the isolated skin of a marine teleost 9—74617
Marshman, B.J. *see* Wainwright, J. 9—49122, 9—88771
Marston, C.H. *(editor)* Fluids engineering in advanced energy systems 9—83550
Mart, P.L., Murray, J.J., Taylor, J.B. Phase relations and thermodynamics of refractory metal pnictides: the antimony decomposition pressures of Mo_3Sb_7 and its enthalpy of formation 9—87840
Mart, P.L. *see* Murray, J.J. 9—66042
Martel, F. *see* Anderson, K.A. 9—75042
Martel, J.G. *see* St-Jacques, R.G. 9—60412
Martel, J.L. EPRI activities in water chemistry for nuclear power plants 9—54517
Martel, P. *see* Sears, V.F. 9—50980
Martel, P. *see* Woods, A.D.B. 9—55647
Martel, R.A. *see* Duvall, J.J. 9—87954
Martelet, C. *see* Clechet, P. 9—52696
Martelli, G. *see* Gough, M.P. 9—70934
Martem'yanov, A.N. *see* Burgov, N.A. 9—97710
Martem'yanov, B.V. *see* Kobzarev, I.Yu. 9—67514, 9—93380
Martem'Yanov, S.A. *see* Vorotyntsev, M.A. 9—94590
Marten, B.E. *see* Smyth, W.R. 9—84249
Marten, K. *see* Glinsky, H.W. 9—97866
Martens, A.E., McCarthy, C.J. New dimensions in automatic image analysis with FAS-II 9—58678
Martens, M. *see* Soudan, K. 9—70565
Martens, P.C.H. Line driven sound waves in early type stars 9—71023
Martens, R. Lower bounds for the electric susceptibility 9—87380
Martens, T. *see* Anton, R. 9—77956
Martensson, A.-M. *see* Grundevik, P. 9—89632
Martensson, N. *see* Berndtsson, A. 9—83101
Marth, W., Andrae, H., Busch, K.A., Guthmann, E., Hendl, G. KNK II—construction and aseismic design 9—97778
Marth, W. *see* Brudermueller, G. 9—97848
Marthaler, O. *see* Allan, M. 9—72327
Marti, C. *see* Larher, Y. 9—86994
Marti, K. *see* Kerridge, J.F. 9—80282
Martienssen, W. Science and society 9—80412
Martienssen, W. *see* Wagner, J. 9—72543
Martin, A.D., Fisher, P., Simmonds, P.E. Quantitative piezospectroscopy of group V impurities in germanium 9—99915
Martin, A.D., Pennington, M.R. Determination of and resonance structure in $\bar{p}p \to \pi\pi$ partial waves 9—93449
Martin, A.H.M. *see* Broadhurst, A.D. 9—94426
Martin, A.J., Bilz, H. Charge deformation and geometric relaxation at the (001) MgO surface 9—95255
Martin, A.M. *see* Lutman, M.E. 9—83798
Martin, B. *see* Gasparoux, H. 9—82149
Martin, B. *see* Polvado, R. 9—63543
Martin, B. *see* Wickramasinghe, D.T. 9—53813, 9—71032
Martin, B.E. *see* Gray, D.F. 9—92756
Martin, B.G. Theory of the effect of stress on ultrasonic plane-wave reflectivity from a water-metal interface 9—81586
Martin, B.R., Van Holtz, R. IRAS ground operations and preliminary data processing 9—80193
Martin, B.W., Brown, A., Garrett, S.E. Heat transfer to a PVD rotor blade at high subsonic passage throat Mach numbers 9—72887
Martin, C.J., Gemmell, H.G. A study of ultrasonically induced pulsations of gas-filled channels in Elodea 9—53185
Martin, C.J., Gemmell, H.G., Watmough, D.J. A study of streaming in plant tissue induced by a Doppler fetal heart detector 9—62292
Martin, C.S., Padmanabhan, M. Pressure pulse propagation in two-component slug flow 9—77235
Martin, D. *see* de Waard, H. 9—65772
Martin, D.C. *see* Warner, R.E. 9—93646
Martin, D.L. Specific heat of Cu-0.9 at.% Mn below 3K 9—61165
Martin, D.L. Specific heat of spin-glass CuMn below 3K 9—95600
Martin, D.M. *see* Akinc, M. 9—87805
Martin, E.P., Witt, A.F., Carruthers, J.R. Application of a heat pipe to Czochralski growth. I. Growth and segregation behavior of Ga-doped Ge 9—61511
Martin, F. Results on nucleon structure functions in quantum chromodynamics 9—49469
Martin, F., Borgnino, J., Aime, C., Ricort, G., Roddier, F. Estimation errors for the covariance determination of stationary and ergodic stochastic processes with a nonzero mean value 9—80513
Martin, F. *see* Mitchel, G.R. 9—89016
Martin, F.J. Boilup threshold for the bottled-up transition-phase pool 9—93776
Martin, G., Hellwarth, R.W. Infrared-to-optical image conversion by Bragg reflection from thermally induced index gratings 9—59753
Martin, G. *see* Bocquet, J.-L. 9—78975
Martin, G. *see* Cauvin, R. 9—77638
Martin, G. *see* Eubank, H. 9—82074
Martin, G.A. *see* Fuhr, J.R. 9—49990
Martin, G.C. *see* Crowther, R.L. 9—81001
Martin, G.D. *see* Jassby, D.L. 9—50898
Martin, G.E. *see* Thuan, T.X. 9—101195
Martin, G.M., Verheijke, M.L., Jansen, J.A.J., Poiblaud, G. Measurement of the chromium concentration in semi-insulating GaAs using optical absorption 9—56819
Martin, G.M. *see* Huber, A.M. 9—90988
Martin, G.M. *see* Mitonneau, A. 9—99510
Martin, G.M. *see* Robert, J.L. 9—51571
Martin, H. New data on the estimation of the damage caused by shaking due to earthquakes and explosions 9—62444
Martin, H., Baumgartner, W. Influence of disturbing magnetic and electric fields on the energy analysis of low energy electrons 9—75649
Martin, H.M. *see* Clark, F.O. 9—97050
Martin, H.P. *see* Falomir, H. 9—73658
Martin, I.L. *see* Candy, J.M. 9—79486
Martin, J. *see* Khairallah, A. 9—63723
Martin, J.A. Recent advances in design for low- and medium-energy heavy ion accelerators 9—67984
Martin, J.A. *see* Ball, J.B. 9—54660, 9—68015
Martin, J.B. *see* Carter, P. 9—64531
Martin, J.C. *see* Cabos, C. 9—92013
Martin, J.D. Pultrusion: the other process 9—95995
Martin, J.F., Feldman, G.J., Hanson, G., Lyon, D.E., Perl, M.L., Pun, T.P., Bolon, C., Lanza, R.C., Luckey, D., Osborne, L.S., Roth, D.G., Dakin, J.T. Inclusive electroproduction from protons and deuterons 9—89167
Martin, J.F. *see* Abrams, G.S. 9—89174
Martin, J.F. *see* Chapman, J.N. 9—52950
Martin, J.F. *see* Rapidis, P.A. 9—75780
Martin, J.G. Rhythmic and segmental perception are not independent 9—72765
Martin, J.G. *see* Brown, G.J. 9—49877
Martin, J.G. *see* Duggan, C. 9—87977
Martin, J.G. *see* England, R. 9—49842
Martin, J.G. *see* Filippone, W.L. 9—67838

Martin, J.H. *see* Cohen, L.A. 9—59600
Martin, J.H. *see* Ehrenreich, H. 9—100530
Martin, J.H. *see* Knauer, G.A. 9—88368
Martin, J.J. *see* Sibley, W.A. 9—99913
Martin, J.L., Kubin, L.P. Discussion on the limitations of 'in situ' deformation experiments in a high voltage electron microscope 9—60238
Martin, J.L. *see* Coats, A.C. 9—53156
Martin, J.M. *see* Georges, J.M. 9—79120
Martin, J.M.Perlado *see* Perlado Martin, J.M.
Martin, J.P. *see* Simkin, D. 9—99922
Martin, J.-R. *see* Clechet, P. 9—52696
Martin, J.W. *see* Prince, K.C. 9—83286
Martin, J.W. *see* Roper, P.E. 9—91721
Martin, L. *see* Guidoin, R. 9—53278
Martin, L.J. *see* Kasper, P. 9—93447
Martin, M. *see* Flament, G. 9—77108
Martin, M.L. *see* Arora, P.S. 9—50835
Martin, N.B. *see* Bruckner, A.P. 9—79599
Martin, P., Gonzalez, M.A. New two-pole approximation for the plasma dispersion function Z 9—82040
Martin, P. *see* Buenerd, M. 9—71828
Martin, P. *see* Fancher, D. 9—68148
Martin, P.A. *see* Gruber, C. 9—85087
Martin, P.C. Schwinger and statistical physics. A spin-off success story and some challenging sequels 9—63135
Martin, P.C., De Dominicis, C. The long distance behavior of randomly stirred fluids 9—77082
Martin, P.C. *see* Tremblay, A.-M. 9—69484
Martin, P.G., Murdin, P.G., Clark, D.H. SS 433 9—58345
Martin, P.G., Shawl, S.J. The wavelength dependence of interstellar polarization in M31 9—92835
Martin, P.G. *see* Liebert, J. 9—67034
Martin, P.G. *see* Thompson, I. 9—53906
Martin, R., Mountfield, K.R., Corruccini, L.R. Resistivity of ternary Chevrel-phase superconductors 9—56230
Martin, R., Quinard, J., Pahin, J.-P., de Gasquet, B. Raman and Brillouin scattering in monovalent nitrates (Li, Na, K, Rb, Cs, Tl, Ag). Influence of temperature on the frequency of diffusion 9—69833
Martin, R. *see* Belkina, L.M. 9—53629
Martin, R.B. Theoretical analysis of the piezoelectric effect in bone 9—70567
Martin, R.G., Bays, L.A., Taff, L.M. A CAMAC module for testing data acquisition systems 9—89568
Martin, R.L., Davidson, E.R., Eggers, D.F., Jr. Ab initio theory of the polarizability and polarizability derivatives in H_2S 9—59597
Martin, R.L. *see* Leacock, R.A. 9—89135
Martin, R.L. *see* Watson, J.M. 9—67970
Martin, R.M., Parr, T.P. Collisional energy dependence of molecular ionization by metastable rare gas atoms 9—54950
Martin, R.M. *see* Nemanich, R.J. 9—95771
Martin, R.M. *see* Parr, T.P. 9—52669
Martin, R.M. *see* Wendel, H. 9—82177
Martin, S. *see* Boutron, C. 9—79327
Martin, S. *see* Hardt, A. 9—63257
Martin, S. *see* McDowell, M.W. 9—72655
Martin, S. *see* Niedrauer, T.M. 9—57963
Martin, T.P. *see* Strom, U. 9—52033
Martin, T.P. *see* Welker, T. 9—89820
Martin, T.W. Synchrotron-radiation-induced heating effects in the PEP storage ring vacuum system 9—81107
Martin, T.W., Stevens, M.V. Studies using a combination of flash photolysis and pulsed magnetic induction: application to the NO_3 radical in aqueous acid solution at 25°C 9—52717
Martin, T.Z., Kieffer, H.H. Thermal infrared properties of the Martian atmosphere. II. The 15-μm band measurements 9—84710
Martin, T.Z., Peterfreund, A.R., Miner, E.D., Kieffer, H.H., Hunt, G.E. Thermal infrared properties of the Martian atmosphere. I. Global Behavior at 7, 9, 11, and 20 μm 9—84709
Martin, W.E., Bloom, S.G. Modeling transuranic transport from environment to man 9—96669
Martin, W.L., Warren, P.R., Feast, M.W. Multicolour photoelectric photometry of Magellanic Cloud cepheids. II. An analysis of BVI observations in the LMC 9—71055
Martin, W.R. *see* Duderstadt, J.J. 9—63176
Martin Bravo, M.A. *see* Largo-Cabrerizo, J. 9—81150
Martin-Garin, L., Chatillon, C., Allibert, M. Mass spectrometry measurements of activities in liquid Ag-Ge alloys: Critical assessment of the thermodynamics of the Ag-Ge system and short distance order 9—52740
Martin-Lof, A. The equivalence of ensembles and the Gibbs phase rule for classical lattice systems 9—75467
Martin-Lof, A. Statistical mechanics and the foundations of thermodynamics 9—97294
Martina, E., Stell, G., Deutch, J.M. Perturbation theory for the free energy of hard quadrupolar diatomics 9—90361
Martina, L. Continuum approximation of the Fermi-Pasta-Ulam lattice 9—71375
Martinaud, M. *see* Kadiri, A. 9—98132
Martincic, R. *see* Likar, A. 9—63647
Martinelli, G. *see* Bassetti, M. 9—72066
Martinelli, G. *see* Guiducci, S. 9—72135
Martinet, A. *see* Liebert, L. 9—90526
Martinet, J. *see* Villoutreix, G. 9—94477
Martinet, L. *see* Mennessier, M.O. 9—71077
Martinez, A.C., Conde, M.C.P., del Campo, F., Barrio, M., Gutierrez, A.M., Lopez, E. Sensory and mixed conduction velocity in infancy and childhood. I. Normal parameters in median, ulnar and sural nerves 9—74693
Martinez, A.C., Conde, M.C.P., del Campo, F., Barrio, M., Gutierrez, A.M., Ferrer, M.T. Sensory and mixed conduction velocity in infancy and childhood. II. Ratio between the amplitude of the sensory evoked potentials at the wrist, stimulating the different fingers in both hands 9—79566
Martinez, C.H. *see* Wendt, J.O.L. 9—86525
Martinez, J. *see* Criado, A. 9—99612
Martinez, J.A., Bibiloni, A.G., Caracoche, M.C., Lopez-Garcia, A.R., Mendoza-Zelis, L.A., Mercader, R.C., Pasquevich, A.F. Nuclear quadrupole interactions in $HfGeO_4$ 9—82902
Martinez, J.A. *see* Lopez-Garcia, A.R. 9—78589
Martinez, J.P., Balladore, J.L. High energy electron scattering (1.2 to 3 MeV). Study by a Monte-Carlo method 9—99037
Martinez, M.L. *see* Gancedo, J.R. 9—89049
Martinez, O.E. Stabilization, attenuation and shaping of picosecond laser pulses by two-photon absorption in dyes 9—55165
Martinez, O.E. Contrast ratio variation caused by radiation attenuation in pulse width measurement by two-photon absorption fluorescence 9—76737
Martinez, P.A.Martinez *see* Martinez Martinez, P.A.
Martinez, R. *see* Koltsov, V.V. 9—100998
Martinez, V. Global methods in the inversion of a self-convolution 9—71430
Martinez Herrero, M.R. *see* Gomez-Reino Carnota, C. 9—59629
Martinez Martinez, P.A. *see* Escartin, V.F. 9—62247
Martinez Salas, J., Gambi Fernandez, J.M. A concept of rigid movement in special relativity 9—80429
Martinez-Duart, J.M. *see* Albella, J.M. 9—91500
Martinez-Duart, J.M. *see* Climent, A. 9—87386
Martinez-Sanchez, M. *see* Shamma, S.E. 9—68960
Martinez-Val, J.M. Future prospects for nuclear energy 9—59116
Martini, M. *see* Bouget, Y.H. 9—59124
Martini, R. *see* Chiantore, B. 9—63755
Martini, W.R. Energy conversion in the long run 9—52917
Martini, W.R. *see* Johnston, R.P. 9—53287
Martinis, C.de *see* de Martinis, C.
Martinis, C.De *see* De Martinis, C.
Martino, A.de *see* de Martino, A.
Martino, R.L., Risso, W.L. An arterial blood pressure preprocessor using a combined analog and digital signal processing method 9—83979
Martino, S.De *see* De Martino, S.
Martinoli, P. *see* Clems, J.R. 9—56469
Martinon, C. *see* Arnold, W. 9—60439
Martinot, H. *see* Rossel, P. 9—78196
Martinoty, P. Relative behaviour of sound absorption and dispersion near the nematic-smectic-A phase transition in TBBA and CBOOA: comment and new results 9—82287
Martinoty, P. *see* Thiriet, Y. 9—90761
Martinov, N., Ouroushev, D. Self-consistent approach to the periodic distribution of aliovalent impurities in ionic crystals 9—69149
Martins, D.H., Harvel, C.A. UBVR photometric sequences around NGC 5946, 6440, and 6624 9—88702
Martins, D.H. *see* Dufour, R.J. 9—53907
Martins, R. *see* Jones, D.I. 9—60834
Martinson, C.W.B., Flodstrom, S.A. Chemisorbed ordered oxygen overlayer on Al(111): an angular resolved photoemission study 9—82462
Martinson, I. *see* Engstrom, L. 9—89645
Martinson, R.H. *see* Knollman, G.C. 9—57180
Martinuzzi, S. *see* Oualid, J. 9—78163
Martinuzzi, S. *see* Sorbier, J.P. 9—78232
Martire, D.E., Dowell, F. Nematic-isotropic phase equilibria in binary mixtures containing rigid rod solutes 9—86873
Martirosyan, G.S. *see* Asatiani, T.L. 9—68132
Martirosyan, R.M. *see* Akhumyan, A.A. 9—89878
Martirosyan, R.M. *see* Badalyan, V.G. 9—99761
Martis, R.J.J., Gupta, N., Sankar, S.G., Rao, V.U.S. Permanent magnetic materials with low reversible temperature coefficient 9—51814
Martis, R.J.J. *see* Gupta, N. 9—82822
Martner, B.E. *see* Dye, J.E. 9—53470
Martnyuk, M.M. Explosive electron emission and exploding wires 9—50914
Marton, A., Kiss, M. Circuits for bio-feedback controlled parameter determination 9—100775
Marton, D. *see* Kolonits, V.P. 9—77953
Marton, D. *see* Krafcsik, I. 9—65554
Marton, J. *see* Vedernikov, M.V. 9—65449
Marton, J.P. *see* Lim, T.K. 9—76853
Marton, J.P. *see* Sutherland, RM. 9—62271
Martone, M. *see* Ascoli-Bartoli, U. 9—60170
Martone, R. *see* Hancox, R. 9—71976
Martorell, J. *see* Bohigas, O. 9—59002
Martorell, J. *see* Sprung, D.W.L. 9—89260
Martsenyuk, I.S. *see* Borisova, A.L. 9—70194
Martsinovskii, A.M. *see* Baksht, F.G. 9—77430, 9—77431
Martsolf, J.D. *see* Perry, S.G. 9—58025
Martsynk'yan, V.L. *see* Averin, V.G. 9—89896
Martuscelli, E. *see* Costagliola, M. 9—57053
Marty, A., Rey, G., Bailbe, J.P. Electrical behaviour of an NPN GaAlAs/GaAs heterojunction transistor 9—87149
Martyakhin, V.A. *see* Trifonov, V.I. 9—51630
Mart'yanov, A.I. *see* Barkhatov, A.N. 9—94695
Mart'yanov, I.S. *see* Amanov, K.A. 9—80148
Mart'yanov, S.V. *see* Burenin, A.V. 9—59443
Martyn, H.-U. *see* Brandelik, R. 9—63491, 9—93441
Martynchik, S.P. *see* Kuz'menkov, M.I. 9—52147
Martynenko, A.N. *see* Pilyankevich, A.N. 9—70152
Martynenko, O.G. *see* Soloukhin, R.I. 9—68701, 9—86430
Martynenko, O.V., Ryaboshapka, K.P. The broadening of X-ray lines from fragmented crystals containing blocks 9—86643
Martynenko, Yu.V. The role of cascades in void generation 9—73210
Martynenko, Yu.V. *see* Gusev, V.M. 9—51167
Martynov, A.N., Tarnopol'skii, A.V. Change in the granular composition of a hardened layer of a free abradant during working 9—79115
Martynov, A.S. *see* Gur'ev, K.I. 9—54883
Martynov, E.S. *see* Kobylinskii, N.A. 9—85283
Martynov, I.S., Seryugin, A.L. Method of manufacturing a small diaphragm for electron microscopy and electron micrography 9—85202
Martynov, N.V. *see* Bulygin, A.S. 9—70244
Martynov, V.A., Koval'chenko, M.S., Berezin, R.G., Petrenko, V.P., Avdeev, N.V. Structure and properties of sinter-bonded iron powder layers produced by hot pressing 9—95976
Martynov, V.A., Petrenko, V.P., Avdeev, N.V., Berezin, R.G. A laboratory unit for the dynamic hot pressing of powder materials 9—100071
Martynov, V.I. *see* Zhurkin, V.V. 9—89313
Martynov, V.K. *see* Shstopal, Yu.T. 9—52526
Martynov, V.P. *see* Komissaruk, V.A. 9—55435
Martynov, V.P. *see* Kovalev, P.I. 9—97426
Martynov, V.V., Tkachenko, A.V., Khandros, L.G. The orientation dependence of the anomalous elasticity and structure of martensite phases during strain 9—87634
Martynov, Yu.A. *see* Kondrat'ev, Yu.M. 9—62632
Martynov, Yu.V. Axially symmetric vortical flow of a nonviscous liquid in the semiinfinite gap between two coaxial circular cylinders 9—64669
Martynov, Yu.V. Some generalizations of the problem of spherical vortices 9—68723
Martynova, I.F., Shtern, M.B. An equation for the plasticity of a porous solid allowing for true strains of the matrix material 9—68604
Martysh, E.V. *see* Kogan, E.Ya. 9—50847, 9—55451
Martyshchenko, V.V. *see* Zolotoyabko, E.V. 9—56644
Martyushev, Yu.Yu., Petrukhin, G.D. Phase characteristics of photomultiplier FEU-117 operating in the radioheterodyne regime 9—93214
Maru, M.P., Desai, H.S. Capture of slow electron and rotational excitation of polar molecules 9—81287
Maruani, A. *see* Chemla, D.S. 9—51978
Marubashi, K. Effects of convection electric field on the thermal plasma flow between the ionosphere and the protonosphere 9—62672
Marucha, C., Rafalowicz, J. Comparing the maximal values of electrical residual resistivity and thermal conductivity coefficient as a parameter of metal purity 9—65431
Maruhn, J.A. *see* Stocker, H. 9—49578
Maruhn-Rezwani, V., Grun, N., Scheid, W. Numerical solution of the time-dependent Schrodinger equation and application to H^+-H 9—89774
Maruhn-Rezwani, V. *see* Piercey, R.B. 9—54393
Marui, N. On propagation of bores 9—84312
Marukyan, G.O. *see* Avakyan, R.O. 9—59051
Marumo, F. *see* Tanaka, K. 9—69061
Marunya, M.S. *see* Borukhovich, A.S. 9—69688, 9—95602
Marupov, R.M. *see* Saidov, D. 9—52706
Marusak, L.A., Mulay, L.N. Mossbauer and magnetic study of the antiferro to ferrimagnetic phase transition in Fe_9S_{10} and the magnetokinetics of the diffusion of iron atoms during the transition 9—73716
Marusak, L.A., Tongson, L.L. Soft X-ray emission and Auger electron spectroscopic study of FeS, $Fe_{0.9}S$, $Fe_{0.875}S$, and $Fe_{0.5}S$ 9—91535
Maruse, S. *see* Hibino, M. 9—71567
Maruse, S. *see* Ohshita, A. 9—71566
Maruska, H.P., Ghosh, A.K. Transition-metal dopants for extending the response of titanate photoelectrolysis anodes 9—74531
Maruta, A., Stere, C., Ardeleanu, F. The problem of thermal convection in rivers downstream from thermal powerplant warm water disposal constructions 9—83647

Maruta, T., Minegishi, K., Sudoh, G. Atomic absorption spectrometric determination of trace amounts of copper, manganese, lead and chromium in cements by direct atomization in a carbon furnace 9—70413
Marutake, M. Recent topics on electrooptic ceramics 9—65840
Marutani, Y., Nagata, I., Tanaka, T. A polar image senser for coherent image processing 9—55076
Marutani, Y., Nagata, I., Tanaka, T. A method of opto-electronic pattern tracing 9—55170
Marutyan, N.A., Matevosyan, K.A., Krishchyan, V.M., Avetyan, F.A., Sarkisova, L.G. Separation of jets by means of the relative density method 9—67616
Maruyama, H. Fallout of highly radioactive particles originating from the Chinese nuclear explosions 9—63813
Maruyama, K., Fujii, H., Homma, S., Okuno, H., Yamashita, N., Arai, I., Ikeda, H., Itano, A., Ohshima, E., Hoshi, Y., Ishii, T., Sasaki, A. Photoproduction of positive and negative pions from protons in the energy range from 710 MeV to 950 MeV 9—63484
Maruyama, K. *see* Kojima, M. 9—101064
Maruyama, M. *see* Morita, S. 9—54638
Maruyama, M. *see* Saito, F. 9—81635
Maruyama, N. *see* Terauchi, H. 9—77515
Maruyama, O. *see* Moriyoshi, Y. 9—65097
Maruyama, S. Surface morphology of GaAs layers grown by liquid-phase epitaxy 9—90852
Maruyama, S. *see* Nanishi, Y. 9—66014
Maruyama, T., Nosaka, T. Estimation of creep damage from observation of creep voids in centrifugal cast tube alloys 9—87687
Maruyama, T. *see* Iseki, T. 9—70131
Maruyama, X.K., Kline, F.J., Lightbody, J.W., Jr., Penner, S., Briscoe, W.J., Lunnon, M., Crannell, H. Electroexcitation of ^{22}Ne below E_x=8.6 MeV 9—63661
Maruyama, Y. *see* Krolikiewicz, H. 9—74738
Maruyama, Y. *see* Nakajima, S. 9—59739
Maruzzo, B.C. *see* Johnston, K.W. 9—96640
Marvan, M. *see* Yurkevich, V.E. 9—56741
Marvin, A. *see* Bortolani, V. 9—78694
Marvin, J.G. *see* Seegmiller, H.L. 9—59999
Marvin, U.B., Walker, D. Implications of a titanium-rich glass clod at Oceanus Procellarum 9—70970
Marwah, R.K. *see* Satyamurthy, P. 9—85136
Marwaha, A.S. *see* Chapman, V.B. 9—90903
Marwaha, A.S. *see* Fok, T.Y. 9—91271
Marwick, A.D., Piller, R.C., Sivell, P.M. Mechanisms of radiation-induced segregation in dilute nickel alloys 9—77649
Marwick, A.D. *see* Piller, R.C. 9—77824
Marx, D., Buck, J., Lassmann, K., Eisenmenger, W. Reflection of high frequency phonons at free silicon surfaces 9—65304
Marx, D., Nickel, F., Munzenberg, G., Guttner, K., Ewald, H., Faust, W., Hofmann, S., Schott, H.J., Thalheimer, W. A rotating target wheel with thin targets for heavy ion beams of high current densities 9—76241
Marx, J.N. *see* Fancher, D. 9—68148
Marx, R. *see* Mauclaire, G. 9—64099, 9—64100
Marx, U. *see* Berndt, K. 9—100021
Mary, Y. Study of solutions of aluminium bromide and alkali bromides in propylene carbonates. Dissociation: radius and number of solvation of ions 9—70319
Maryanchikov, N.A. *see* Kuprin, A.I. 9—70240
Marysko, M., Bohun, A. ESR study of multicomponent phosphate glasses 9—91290
Marysko, M. *see* Simsova, J. 9—82848
Marza, V.I. A seismicity pattern of March 4, 1977 Vrancea, Romania earthquake: an earthquake prediction insight 9—88263
Marza, V.I. The March 4, 1977 Vrancea earthquake seismic gap 9—92498
Marzano, F. *see* Angelini, C. 9—67548
Marzari, A. *see* Angelini, C. 9—67548
Marzari-Chiesa, A. *see* Bonetti, S. 9—49509
Marzarichiesa, A. *see* Armenise, N. 9—67533
Marze, A., Vincent, L., Coquillet, B., Munier, J., Guiraldenq, P. Development and degradation due to fatigue of the martensitic structure of a semi-high speed steel 9—91615
Marzec, J. *see* Pawlowski, Z. 9—76289
Marziano, G.L., Sutera, A., Gianolio, L., Ciprian, M., Shir, C.C., Shieh, L.J. Study of the SO_2 distribution in Venice by means of an air quality simulation model 9—88394
Mas-Parareda, A. Calculation of the πK phase shifts using a perturbation expansion about the SU(3)×SU(3) symmetry limit 9—58975
Masahiro, H. *see* Matsunami, H. 9—78236
Masaike, A. *see* Hiramatsu, S. 9—63238
Masaki, H. *see* Kondo, M. 9—53230
Masaki, I., Unno, W. The generalized Eddington approximation in radiative transfer 9—80214
Masaki, S., Fukushima, Y., Oguchi, S., Kimura, M., Sato, R., Hara, K. Non-linearity in the dynamic characteristics of retinal L-type horizontal cells 9—100603
Masaleva, E.N. *see* Ishchenko, I.I. 9—57115
Masalimov, K.T. *see* Belov, G.P. 9—52333
Masalov, S.A. On certain infinite systems in the wave diffraction theory 9—49060
Masalov, S.S., Cirenko, Yu.K., Shestopalov, V.P. Solution of the problem of diffraction of a planar wave from a 'knife-edge' grid with a complex structure of the period 9—72467
Masamura, Y. *see* Banno, H. 9—68541
Masani, A. *see* Gallino, R. 9—88646
Masaoka, Y. *see* Tsutsumi, M. 9—99691
Masapati, G.H. *see* Mittall, M.L. 9—92085
Mascarenhas, A.S., Jr. *see* Mollo-Christensen, E. 9—100869
Mascart, P., Isaka, H., Guillemet, B. Kelvin-Helmholtz waves observed by aircraft at different stages of their life-cycle in a low-level inversion 9—53417
Mascart, P. *see* Guillemet, B. 9—88447
Maschio, A., Mondino, P.L. On the realization of spark gap switches triggered from the nominal voltage down to zero 9—55533
Maschke, A.W. *see* Bertsche, A. 9—72005
Maschke, A.W. *see* Brodowski, J. 9—76155
Maschke, A.W. *see* Gammel, G.M. 9—72132
Maschke, A.W. *see* Haber, I. 9—63325
Maschke, A.W. *see* Mobley, R.M. 9—68070
Maschke, K. *see* Nagel, S. 9—60705
Maschuw, R. *see* Berger, C. 9—49519
Maschuw, R. *see* Fischer, R. 9—71835
Mascia, C. *see* Serra, A. 9—62255, 9—79544
Mase, H., Tanabe, T., Miyamoto, G. Direct measurement of diffusion coefficients of sputtered atoms in Ar 9—87539
Mase, S. *see* Fukami, T. 9—91105, 9—91106
Masejova, A. *see* Lichard, P. 9—97639
Masek, K. *see* Laska, L. 9—55577
Masel, R.I. Energy transfer effects in surface diffusion 9—82420
Maselli, P. *see* Buontempo, U. 9—50086
Maseng, T., Bakken, P.M. A stochastic dynamic model of rain attenuation 9—53506
Maser, J. *see* Pulker, H.K. 9—90925
Maseri, A. *see* Balocchi, R. 9—70635
Maseri, A. *see* Chierchia, S. 9—62394
Masetti, C. The effect of metallic impurities in a compressed SF_6 gas-insulated coaxial-cylinder system energized with high direct voltage. II. Theoretical considerations 9—64937
Masetti, G., Solmi, S. Relationship between carrier mobility and electron concentration in silicon heavily doped with phosphorus 9—65470
Mash, C.J. *see* Hall, D.J. 9—99305
Mashampin, A.M. *see* Alimov, A.K. 9—83885
Masharov, S.I. *see* Volkov, V.A. 9—56189
Mashchenko, V.E., Vantsan, V.M. Electroreflection and photocurrent of ground state excitons in perfect cadmium selenide crystals 9—99905
Mashchenko, V.E., Vantsan, V.M., Ziborov, A.I. Resonance absorption of coherent infrared radiation by acceptors in A^2B^6 crystals 9—73974
Mashcheryakov, G.N. *see* Mai, L.V. 9—83462
Mashelkar, R.A. Bubble motion and mass transfer in non-Newtonian fluids. II. Swarm of bubbles in a power law fluid 9—50759
Mashelkar, R.A. *see* Bhavaraju, S.M. 9—50758
Mashev, L., Tsonev, L., Mironov, S., Garsia, M. Wave propagation in uniaxial graded-index optical waveguides 9—55204
Mashima, H. *see* Akazawa, K. 9—57632
Mashimo, N. *see* Uchimura, I. 9—92245
Mashimo, S., Yagihara, S., Iwasa, Y. Dielectric study of side-group rotation of methyl methacrylate in copolymers 9—61303
Mashinskii, V.M. *see* Dianov, E.M. 9—64343
Mashiyama, H., Hasebe, K., Tanisaki, S., Shiroishi, Y., Sawada, S. Field induced ferroelectric phase in $RbLiSO_4$ 9—78633
Mashkevich, V.S., Godenko, L.P., Shadchin, E.A. Two-particle equation in the theory of excitation transport 9—69472
Mashkova, E.S., Molchanov, V.A., Pavlova, A.D., Snisar, V.A. Reflection of helium ions from polycrystalline platinum 9—87551
Mashkova, E.S. *see* Balashova, L.L. 9—69172
Mashkovich, V.P. *see* Klimanov, V.A. 9—93681
Mashlyatina, T.M. *see* Vidmont, N.A. 9—69860
Mashni, M., Hess, P. Slow energy transfer between vibrational modes of Ch_2Cl_2, CD_2Cl_2, CH_2ClBr and CH_2Br_2 9—98537
Mashnin, S.V. *see* Gagkayeva, V.V. 9—87147
Mashovets, T.V. *see* Vitovskii, N.A. 9—56228, 9—69158, 9—73216
Mashtizadeh, S.A. *see* Springer, G.S. 9—91111
Mashtylev, N.A. *see* Belan, N.V. 9—86569
Mashukov, Yu.P. *see* Bobylev, B.A. 9—59839
Masi, A.De *see* De Masi, A.
Masimov, B.A. *see* Merinov, B.V. 9—77583
Masing, W. From inspection to quality assurance 9—52548
Maskaev, A.S. *see* Andrievskii, R.A. 9—77641
Maskaev, V.K. *see* Dubov, B.S. 9—67286
Maskevich, S.A. *see* Gachko, G.A. 9—85993
Maskovic, L. *see* Maksimovic, R. 9—54780
Maslachenko, L.A. *see* Akatov, Yu.P. 9—87769
Maslanka, P. *see* Kosinski, P. 9—58861
Maslenkov, S.B. *see* Kireev, V.B. 9—74143
Maslenkov, S.V. *see* Feklistov, S.I. 9—83193
Maslenkova, L. *see* Zeynalov, Y. 9—57590
Maslennikova, G.N., Fomina, N.P., Sokolina, E.A., Larionov, V.N. Study of chemical resistance of ceramic materials 9—61756
Maslov, A.A. Device for testing metals under conditions of thermal cycling 9—87778
Maslov, A.A. *see* Lebiga, V.A. 9—64688, 9—98749
Maslov, A.I. *see* Ageev, V.P. 9—94221
Maslov, A.I. *see* Kuznetsova, S.V. 9—52671
Maslov, E.M. *see* Karpman, V.I. 9—84970
Maslov, L.I., Shebatinov, M.P., Filimonov, G.N. Structural sensitivity of steel with sign-changing loads 9—52370
Maslov, N.I. *see* Kasilov, V.I. 9—51156
Maslov, O.D. *see* Flerov, G.N. 9—96781
Maslov, V.G. Use of the method of burning out gaps for comparison of the relaxation times of 0-0 and 0-1 states in systems with intracomplex electron phototransfer 9—72330
Maslov, V.G. Burning out of valleys in absorption spectra in the case of two electronic transitions with overlapping vibrational structures 9—76440
Maslov, V.G. *see* Gerasimchuk, A.I. 9—59358
Maslov, V.P., Mel'nik, T.S., Skachkov, M.M., Shcherbakova, L.E. Investigation of the state of the surface layer of pyroceramic after mechanical polishing 9—72732
Maslov, V.P., Novikov, N.N., Shvidkii, V.A., Shcherbakova, L.E. Investigation into depth of surface layer stressed during grinding of monocrystalline quartz 9—79133
Maslov, V.V. *see* Dzubenko, M.I. 9—72563
Maslovskii, V.M., Nagin, A.P. Nature of conduction and irreversible changes in MNOS structures 9—99632
Maslovskii, V.M., Nagin, A.P., Pospelov, V.V., Tyul'kin, V.M. Kinetics of irreversible changes in the conductivity of silicon nitride 9—73600
Maslowski, S., Krumpholz, O., Vollmer, H.-P. The development of components for optical communications 9—81563
Maslowski, S. *see* Eickhoff, W. 9—55252
Maslyak, N.T. *see* Freik, D.M. 9—52117, 9—68974, 9—87587
Maslyuk, V.T., Bercha, D.M., Shul'ga, V.G. Statistical and thermodynamic properties of electron gas in 'superlattices' and layered crystals 9—87051
Maslyukov, Yu.S. *see* Aristov, A.V. 9—85982, 9—98117
Masnari, N.A. *see* Wise, K.D. 9—89495
Masnou-Seeuws, F. *see* Philippe, M. 9—86036
Masoero, A. *see* Celasco, M. 9—60939, 9—78220
Mason, A.L. *see* Kitchenside, P.W. 9—75403
Mason, B.J. Weather forecasting as a problem in fluid dynamics 9—84359
Mason, C.A., Shoup, J.F. Comparison of four beat-to-beat cardiotachometer designs 9—92412
Mason, D.D. Segregation-induced embrittlement of grain boundaries 9—83318
Mason, E.A. *see* Vichland, L.A. 9—57232
Mason, G.C. *see* Kasper, P. 9—93447
Mason, G.C. *see* Rangaswamy, T.N. 9—54351
Mason, G.M., Gloeckler, G. Carbon-poor solar flare events 9—92739
Mason, G.R. *see* Sperry, W.C. 9—94111
Mason, H.E. *see* Dere, K.P.. 9—88633
Mason, I.M. *see* Booer, A.K. 9—53585
Mason, J. Computing climatic change 9—92587
Mason, J.J. *see* Wright, B. 9—62078
Mason, J.R., Somerville, H.J., Pirt, S.J. Estimation of biomass within an immobilised cell biocatalyst by means of a luminol assay for haem 9—66590
Mason, J.T. *see* Chiotti, P. 9—91625
Mason, J.T. *see* Lee, T.S. 9—91624
Mason, K. *see* Middleditch, J. 9—62934
Mason, K.O., Kahn, S.M., Bowyer, C.S. Soft X-ray emission from the vicinity of MV Lyr 9—92787
Mason, K.O., Kahn, S.M., Charles, P.A., Lampton, M.L., Blissett, R. Soft X-ray spectrum and structure of the supernova remnant G65.2+5.7 9—71093
Mason, K.O. *see* Charles, P.A. 9—101219
Mason, K.O. *see* Parkes, G.E. 9—71154
Mason, K.O. *see* Seitzer, P. 9—92894
Mason, K.O. *see* Tuohy, I.R. 9—62892
Mason, P., Collins, D., Petrac, D., Yang, L. The behavior of superfluid helium in zero gravity 9—55987
Mason, P. *see* Stenbacka, R. 9—63507
Mason, P. *see* Urbach, A.R. 9—54143
Mason, P.I. *see* Gilboy, W.B. 9—92107
Mason, P.J., Sykes, R.I. Three-dimensional numerical integrations of the Navier-Stokes equations for flow over surface-mounted obstacles 9—59960
Mason, P.J., Sykes, R.I. Separation effects in Ekman layer flow over ridges 9—79971
Mason, P.V. *see* Petrac, D. 9—54142
Mason, R.G., Brander, J.L., Bill, M.G. Mekometer measurements in the Imperial Valley, California 9—79728
Mason, R.J. *see* Foster, D.H. 9—53130
Mason, R.S. *see* Kim, Q. 9—73193

Mason, S.F. Ligand-polarization models for the optical activity of chiral cobalt (III) complexes octahedrally-coordinated with monodentate ligands 9—50090
Mason, S.G. *see* Okagawa, A. 9—96372
Masotti, L. *see* Furiozzi, L. 9—96637
Masotto, G. *see* Gutkowski, D. 9—54010
Masovic, D.R., Zekovic, S. Modified Veljkovic and Slavic's model pseudopotential for Si, Ge and Sn 9—56121
Masovic, D.R. *see* Zekovic, S. 9—56119
Masperi, L. *see* Deza, R. 9—71615
Mass, E.A. *see* Sparrow, E.M. 9—81884
Massa, E., Morro, A. A dynamical approach to relativistic continuum thermodynamics 9—58661
Massa, I. *see* Bertin, A. 9—86090, 9—89811
Massa, N.E., Mitra, S.S., Vetelino, J.F. Volume dependent lattice dynamics of solid argon. A pseudo-harmonic approach 9—99260
Massacesi, M. *see* Sastry, B.A. 9—64020
Massai, M.M. *see* Bacci, C. 9—93440
Massai, M.M. *see* Battistoni, G. 9—81123
Massalas, C., Soldatos, K., Tzivanidis, G. Free vibrations of plates subjected to elastic constraints and initial membrane forces 9—81775
Massalas, C.V., Tzivanidis, G.I. Equilibrium paths of a beam resting on a nonlinear elastic foundation 9—81747
Massam, T. *see* Basile, M. 9—76275
Massand, O.P., Singh, D., Kundu, H.K., Marathe, P.K. Energy dependence of Kodak NTA neutron personnel monitoring film 9—100753
Massara, R. *see* Bellobono, I.R. 9—96175
Massaro, G. *see* Barber, D. 9—54289, 9—54346
Massaro, G.G.G. *see* Barber, D.P. 9—89175, 9—97631
Massarotti, V., Flor, G., Berbenni, V., Riccardi, R. Mechanism of the solid state reaction NaCl+KF→NaF+KCl 9—61857
Massart, D.L. *see* Coomans, D. 9—53275
Massat, H. *see* Bastide, J.-P. 9—95177, 9—95383
Masse, J. *see* Donati, J.R. 9—91789
Masse, R., Guitel, J.C., Durif, A. Crystalline structure of a new variety of nickel pyrophosphate: $Ni_2P_2O_7$ 9—65051
Masse, R., Guitel, J.C., Durif, A. Structure of silver carbonate 9—69071
Masse, R. *see* Metivier, H. 9—92302
Massebeuf, M., Bernard, R., Fellous, J.L., Glass, M. The mean zonal circulation in the meteor zone above Garchy (France) and Kiruna (Sweden) 9—75003
Massee, P. The dispersion relation of electrothermal waves in a nonequilibrium MHD plasma 9—98904
Massen, S.E. *see* Brown, B.A. 9—85361
Massenet, O., Coey, J.M.D., Chappert, J. Low temperature high field Mossbauer spectrometer using Bitter magnets 9—51888
Massenet, O., Daver, H., Nguyen, V.D., Rebouillat, J.P. High field magnetic measurements on Fe_xGe_{1-x} amorphous alloys 9—82765
Massenet, O., Since, J.J., Mercier, J., Avignon, M., Buder, R., Nguyen, V.D., Kelber, J. Magnetic and electrical properties of $BaVS_3$ and $BaV_xTi_{1-x}S_3$ 9—91214
Massevitch, A.G., Popova, E.I., Tutukov, A.V., Yungelson, L.R. On the influence of mass loss and convective overshooting on the evolution of massive stars 9—84789
Massey, G.A., Johnson, J.C. Gain limitations in optical parametric amplifiers 9—55177
Massey, G.A. *see* Jones, M.D. 9—55178
Massey, M.H. *see* Nixon, W.E. 9—60368
Massey, N.W.D. Keweenawan palaeomagnetic reversals at Mamainse Point, Ontario: fault repetition or three reversals? 9—92477
Massey, N.W.D. *see* Jackson, M.R. 9—84252
Massey, P., Conti, P.S., Peters, G.J., Dobias, J. The behavior of Hα in the X-ray binary HD 152667 9—101171
Massey, R.E. *see* Keller, D.M. 9—69042
Massey, T.H. *see* Launder, B.E. 9—55375
Massey, W.E. *see* Moo Bin Yim 9—73372
Massey, W.E. *see* Yim, M.B. 9—77853
Massie, N.A. Quasi-real-time high precision interferometric measurements of deforming surfaces 9—85173
Massie, N.A., Holly, S. Quasi-real time high precision characterization of active mirrors 9—59799
Massie, N.A., Nelson, R.D., Holly, S. High-performance real-time heterodyne interferometry 9—75574
Massie, N.A. *see* Hayes, C.L. 9—76718
Massignon, D. *see* Le Gressus, C. 9—83069
Massih, A.R., Naghizadeh, J. Dynamics of bilayer membrane 9—100581
Massimo, J.T. *see* Cutts, D. 9—85346
Massman, W.J. On the nature of vertical oscillations of constant volume balloons 9—53545
Massmann, H., Robotham, H. On some aspects of Coulomb excitation of nuclear rotational states 9—67620
Massolo, C.P. *see* Rao, M.N. 9—89239
Masson, C. A test of clustering among radio sources in 0.16 sr of the 6C survey 9—71145
Masson, J.P. *see* Hartwig, W.H. 9—58722
Masson, V.K. *see* Hart, B.L. 9—63268
Massot, J.N. *see* Gagnaire, H. 9—89991
Massot, J.N. *see* Meunier, J.P. 9—72674
Massoudi, H. *see* Durney, C.H. 9—100658
Massoudi, H. *see* Iskander, M.F. 9—100660
Massoudi, M.S. Air pollution source inventory for Tehran—methodology and approach 9—52996
Mast, D.B. *see* Bastuscheck, C.M. 9—63219
Mast, P.K., Scott, J.H., Dorning, J.J. A simple computational model for the prediction of fuel pin failure in the transient overpower accident 9—49699
Mastenbrook, S.M., Jr., Webster, J.G., Updike, S.J. Venous return curves obtained from graded series of Valsalva maneuvers 9—53174
Masterov, V.F., Romanov, V.V., Samorukov, B.E. Magnetic susceptibility of gallium phosphide crystals doped with rare-earth elements 9—61044
Masterova, M.V. *see* Kartavenko, V.E. 9—100198
Masterova, M.V. *see* Krylov, B.S. 9—100189
Masters, B. *see* Bratter, R.L. 9—96244
Masters, B.J. *see* Chu, W.K. 9—69128
Masters, E.G. *see* Mather, R.S. 9—79720
Masters, G. Observational constraints on the chemical and thermal structure of the Earth's deep interior 9—53323
Masters, I.G. Cerwin-Vega 12TR speaker system 9—81671
Masters, W.M. Irradiance modulation used to examine sound-radiating cuticular motion in insects 9—84057
Masterson, R.E., Wheeler, C.L. A new scheme for solving the COBRA energy equations during natural-circulation conditions 9—89354
Masterson, T. *see* Gyles, W. 9—85534
Masterson, T. *see* Johnson, R.R. 9—97653
Masterson, T.G. *see* Johnson, R.R. 9—71872
Mastrangelo, M. Multigroup diffusion process in a fixed or variable set 9—93678
Mastrangelo, V. Three-dimensional model of neutronic-thermo-hydrodynamic interaction in the core of light water reactors (stationary state) 9—89349
Mastrigt, R.van *see* van Mastrigt, R.
Mastrocinque, G. *see* Quartieri, J. 9—72550
Mastrogiuseppe, C. *see* Lucari, F. 9—99914
Mastrojannis, E.N., Keer, L.M., Mura, T. Stress intensity factor for a plane crack under normal pressure 9—72855
Mastrullo, R., Mazzei, P. Thermal radiative properties of multi-plate glass systems for solar diffuse radiation flux 9—94473
Mastryukov, A.F., Synakh, V.S. Unsteady-state thermal self-focusing of pulses 9—68421
Masuda, A., Yi-Yu Kuo, Mitsuyasu, H. On the dispersion relation of random gravity waves. I. Theoretical framework 9—72903
Masuda, A. *see* Mitsuyasu, H. 9—72904
Masuda, H., Iinoya, K. Electrification of particles by impact on inclined metal plates 9—50180
Masuda, J. Acoustic emission generated during tensile deformation of Corson alloys 9—61654
Masuda, K. Interaction between an adatom and a substitutional impurity atom at a metal surface 9—56076
Masuda, K. Chemisorption on a FCC metal surface: electronic structure of ordered overlayers 9—60906
Masuda, K., Kato, W. Study on the hydrodynamical characteristics of fixed vertical plates in waves 9—68734
Masuda, K. *see* Kudo, H. 9—99330
Masuda, K. *see* Sato, A. 9—51109
Masuda, M., Ogura, T., Koyama, J., Fujioka, H., Hosokawa, T., Ura, K. Analysis of the high-field domain dynamics in a planar Gunn diode by using a stroboscopic SEM 9—56232
Masuda, S. *see* Koyama, H. 9—81841
Masuda, S. *see* Sotani, N. 9—77898
Masuda, T. *see* Takano, K. 9—64206
Masuda, Y., Aoki, K.-I. Trace element variations in the volcanic rocks from the Nasu zone, northeast Japan 9—88317
Masuda, Y. *see* Mitsui, K. 9—65600
Masuda, Y. *see* Tateno, Y. 9—66538
Masuhara, E. *see* Imai, Y. 9—70375
Masuhara, H., Tanabe, H., Mataga, N. Fluorescence and laser photolysis studies on 1,2,4,5-tetracyanobenzene CT complexes in micellar solutions 9—61911
Masui, H. *see* Ferguson, J. 9—51953
Masui, N. *see* Kittaka, S. 9—50186
Masui, S., Shioya, M., Sakanishi, T., Toyama, Y., Imagawa, T., Fujita, M. Evaluation of a diffusion model applicable to environmental assessment for air pollution abatement 9—57547
Masui, S. *see* Funabashi, M. 9—57541
Masuko, H., Morioka, Y., Nakamura, M., Ishiguro, E., Sasanuma, M. Absorption spectrum of the H_2S molecule in the vacuum ultraviolet region 9—64016
Masumi, T. *see* Komiyama, S. 9—61228, 9—91085
Masumoto, H., Murakami, Y., Nakamura, N. On the properties of semihard magnetic alloys in the Fe-Mo and Fe-W systems 9—70078
Masumoto, H., Sawaya, S., Hinai, M. On the damping capacity of Fe-Cr alloys 9—70104
Masumoto, H., Sawaya, S., Hinai, M. Damping capacity of Gentalloy in the Fe-W system 9—77679
Masumoto, H., Sawaya, S., Hinai, M. On the damping capacity of Fe-Cr alloys 9—100206
Masumoto, H., Watanabe, K., Mitera, M. Elinvar characteristics of Mn-Ga alloys 9—61638
Masumoto, K. *see* Pamplin, B.R. 9—70048
Masumoto, K. *see* Yamashita, O. 9—56501
Masumoto, T., Hashimoto, K. Chemical properties of amorphous metals 9—66225
Masumoto, T., Kimura, H. Delayed fracture of amorphous alloys in atmosphere 9—96212
Masumoto, T. *see* Fukamichi, K. 9—56594, 9—96069
Masumoto, T. *see* Hashimoto, K. 9—96185, 9—96214
Masumoto, T. *see* Inoue, A. 9—73133, 9—77529, 9—94910, 9—94911, 9—96002, 9—96134, 9—100197
Masumoto, T. *see* Kikuchi, M. 9—56595, 9—96213
Masumoto, T. *see* Naka, M. 9—66211, 9—66212, 9—94909, 9—96215
Masumoto, T. *see* Shirakawa, K. 9—79130
Masumoto, T. *see* Waseda, Y. 9—51005, 9—66072
Masur, E.F., Mroz, Z. Non-stationary optimality conditions in structural design 9—72794
Masursky, H., Schaber, G.G., Soderblom, L.A., Stron, R.G. Preliminary geological mapping of Io 9—92696
Masursky, H. *see* Carr, M.H. 9—92697
Masursky, H. *see* Strom, R.G. 9—92698
Masut, R., Mullin, W.J. Spatial Bose-Einstein condenstation 9—71176
Masuyama, T., Kawashima, T. Pressure loss of pseudo-plastic fluid flow in pipes 9—98765
Masuzaki, M. *see* Yatsui, K. 9—98929
Masuzawa, F. The corrosion and conservation of unearthed iron objects 9—79161
Maszkiewicz, M., Mrygon, B., Wentowska, K. Rounding of specific heat of nickel near the critical temperature 9—95595
Maszlov, L.I. *see* Ivanova, V.Sz. 9—83293
Mata, G.J., Falicov, L.M. Phenomenological theory of itinerant antiferromagnetism and density waves at the surface 9—82743
Mata, G.J., Falicov, L.M. Surface spin-density wave in the Cr-Re alloy 9—91238
Mataga, N. *see* Masuhara, H. 9—61911
Mataga, N. *see* Waka, Y. 9—50063
Matakas, F., Fritschka, E., Hofferberth, B. A computer model of cerebral blood flow dynamics 9—83837
Matal, O. Breakdown protection of the LMFBR modular steam generators 9—76059
Matalas, N.C. *see* Landwehr, J.M. 9—84319
Matano, H. *see* Yamaguti, M. 9—80523
Matare, H.F. Enhanced carrier collection at grain-boundary barriers in solar cells made from large grain polycrystalline material 9—92081
Matarese, R.M. *see* Ricci, G. 9—96617
Mataruev, V.N., Slepchenko, V.I., Gordon, A.R. The effect of a variable evaporation surface temperature on mass transfer 9—72943
Matas, V. Concerning a perturbation of Hill's curves due to oblateness of one of the primaries 9—53705
Matas, V. Curves of zero relative velocity in a generalized restricted problem of three bodies 9—84650
Matayoshi, S. On random phase and Callen approximations to ferromagnet with anisotropic exchange interaction 9—95560
Matcha, R.L., Pettitt, B.M. Theoretical Compton profile anisotropies in molecules and solids. VI. Compton profile anisotropies and chemical binding 9—64054
Matcha, R.L., Pettitt, B.M., Ramirez, B.I., McIntire, W.R. Theoretical Compton profile anisotropies in molecules and solids. IV. Parallel-perpendicular anisotropies in alkali fluoride molecules 9—94038
Mateef, S. *see* Mitrani, L. 9—74680
Mateer, C.L. *see* DeLuisi, J.J. 9—100911
Mateer, C.L. *see* Evans, W.F.J. 9—79941
Mateer, D.D. *see* Borovetz, H.S. 9—84024
Mateer, R.S. *see* Copeland, G.L. 9—89412
Mateescu, C. *see* Landauer, O. 9—74284
Mateescu, G. On the sampling in the radionuclide dynamic studies of the physiological processes 9—62353
Matei, L. *see* Nasta, L. 9—90542
Mateiciuc, V., Constantinescu, M., Stadnicov, T., Burtic, Th. Analysis of uranium in geological samples by the method of delayed neutrons 9—88507
Mateika, D. *see* Bartels, G. 9—100064
Mateika, L., Nespurek, S. A photosensitive polymer as recording material in holography 9—72537
Mateja, J.F., Frawley, A.D., Nagel, P.B., Parks, L.A. $^{12}C(^9Be, ^9Be)^{12}C$(g.s., 4.43 MeV) reaction 9—89324
Mateja, J.F. *see* Frawley, A.D. 9—67731
Mateos, F. *see* Aguilar, M. 9—67400
Mateos, F. *see* Oliva, J. 9—67401
Mateosian, E.der *see* der Mateosian, E.

Materikin, V.L., Pokrovskii, N.L., Yurin, G.G. Acoustic effect in crystallisation and melting of gallium 9—51238
Materkowski, J.P. *see* Williamson, D.L. 9—56646
Materna, P., Moritz, E. Flow-related heating/cooling problems in the TFTR vacuum vessel 9—85798
Materne, J. The structure of nearby groups of galaxies: quantitative membership probabilities 9—62919
Materne, J. *see* Dennefeld, M. 9—58413
Materova, E.A., Alagova, Z.S., Kustanovich, I.V., Shumilova, G.I. The investigation of liquid chloride electrode 9—91972
Materova, E.A., Alagova, Z.S., Shumilova, G.I., Vatlina, L.P. The investigation of sodium ion selective electrode 9—96337
Mates, P. *see* Skakala, L. 9—71522
Mates, R.E. *see* Canty, J.M. 9—92278
Matev, I.T. *see* Antonova, K.T. 9—64315
Matev, M. *see* Bartl, J. 9—87996
Matevosyan, G.G. The influence of a homogeneous superhigh-frequency electric field on energy losses from charged particles in plasmas with due regard for ion polarization 9—90384
Matevosyan, K.A. *see* Marutyan, N.A. 9—67616
Matey, J.R., Dierker, S.B., Anderson, A.C. Bridge for measurement of low resistance 9—67347
Matey, J.R., Ross, D.L. Use of sodium silicate as an ultrasonic transducer bond 9—83437
Mathai, C.V. *see* Harrison, A.W. 9—100887
Mathe, E.L. *see* Bonneau, P. 9—65960
Mathe, Gy. *see* Berecz, I. 9—62382
Mathelitsch, L., Plessas, W. Effects of the Coulomb distortion on phase shifts and effective-range parameters in proton-proton scattering 9—85322
Mathelitsch, L. *see* Pauss, F. 9—67577
Mathelitsch, L. *see* Schwarz, K. 9—63518, 9—67580
Matheny, R.A., Corelli, J.C., Trantina, G.G. Radiation damage in silicon carbide and graphite for fusion reactor first wall applications 9—86822
Matheny, R.A., Corelli, J.C., Trantina, G.G. Radiation damage in ceramics for fusion reactor first-wall applications 9—93829
Mather, G.C. Solar energy for hot water supply in tropical countries 9—57462
Mather, J.D. *see* Parker, A. 9—88020
Mather, R.E., Todd, J.F.J. Chemical ionisation mass spectrometry: a survey of instrument technology 9—57313
Mather, R.E., Todd, J.F.J. The quadrupole ion store (QUISTOR). V. A simple model for the ion ejection process 9—89033
Mather, R.S., Rizos, C., Coleman, R., Masters, E.G. Geodetic reference systems for crustal motion studies 9—79720
Mathers, J.P., Boquist, C.W., Olszanski, T.W. Powder electrode separators for high temperature lithium-aluminium/iron sulfide batteries 9—61966
Matheson, D.N. *see* Little, L.T. 9—84840
Matheson, M.S. Contributions of electron pulse radiolysis to photochemistry 9—52698
Mathew, M., Mayer, I., Dickens, B., Schroeder, L.W. Substitution in barium-fluoride apatite: the crystal structures of $Ba_{10}(PO_4)_6F_2$, $Ba_6La_2Na_2(PO_4)_6F_2$ and $Ba_4Nd_3Na(PO_4)_6F_2$ 9—60332
Mathew, P.J. *see* Eisler, P.L. 9—80042
Mathew, P.M. *see* Jacob, K.T. 9—90793
Mathews, A., Bishnoi, P.R., Svrcek, W.Y. Treatment of oil contaminated waste waters by foam fractionation 9—92104
Mathews, C.W. *see* Dunning, T.H., Jr. 9—59359
Mathews, C.W. *see* White, W.P. 9—59360
Mathews, F.S. *see* Bethge, P.H. 9—51035
Mathews, G.J., Sobotka, L.G., Wozniak, G.J., Regimbart, R., Schmitt, R.P., Rattazzi, G.U., Moretto, L.G. A scenario for the 220-MeV $^{40}Ar+^{238}U$ reaction 9—54455
Mathews, G.J. *see* Sobotka, L.G. 9—97726
Mathews, J.D., Bekeny, F.S. Upper atmosphere tides and the vertical motion of ionospheric sporadic layers at Arecibo 9—100993
Mathews, J.D. *see* Ganguly, S. 9—62665
Mathews, J.R. *see* Guha, R.M. 9—54497
Mathews, P.M., Seetharaman, M., Govindarajan, T.R., Prabhakaran, J. Inconsistencies of Glass's equation for spin-3/2 particles 9—67207
Mathews, W.H. *see* Bustin, R.M. 9—92532
Mathewson, A. *see* Achard, M.-H. 9—65329
Mathewson, D.S. *see* Dopita, M.A. 9—97051
Mathia, T. *see* Georges, J.M. 9—79120
Mathieson, E. *see* Gilvin, P.J. 9—76282
Mathieu, C. *see* Tremblay, R.J. 9—68171
Mathieu, G., Lamberts, L. The appearance of molecular ions in the spark source mass spectra of copper-aluminium alloys 9—92031
Mathieu, G.G. *see* Peng, T.-H. 9—79875
Mathieu, H., Merle, P., Ameziane, E.L., Archilla, B., Camassel, J., Poiblaud, G. Deformation potentials of the direct and indirect absorption edges of GaP 9—69854
Mathieu, H. *see* Altier, J. 9—78739
Mathieu, H. *see* Camassel, J. 9—61401
Mathieu, H. *see* Merle, P. 9—82996
Mathieu, H. *see* Pascual, J. 9—95806
Mathieu, J. *see* Casanovas, J. 9—91112
Mathieu, J. *see* Gence, J.N. 9—50708, 9—81858
Mathieu, J. *see* Morel, R. 9—64664
Mathieu, J. *see* Rey, C. 9—68687
Mathieu, J.P. *see* Poulet, H. 9—91436
Mathieu, P. Laser isotope separation by selective chemical reactions in two-phase flows 9—94109
Mathieu, P., Marechal, J.C., Simon, Y. The effect of hysteresis in rotating helium II 9—55965
Mathieu, Ph. *see* Lebon, G. 9—93685
Mathieu, R.D. *see* Snow, T.P., Jr. 9—62832
Mathieu, V. UO_2 fuel fabrication by means of the AUC powder process 9—59240
Mathieux, A. *see* Gajardo, P. 9—52755
Mathis, D.E., Buck, R.P. Ion transport in free and supported nitrobenzene Aliquat nitrate liquid membrane icn-selective electrodes. I. Bulk electrical properties including ion association and dielectric constant 9—83534
Mathis, D.E., Stover, F.S., Buck, R.P. Ion transport in free and supported nitrobenzene Aliquat nitrate liquid membrane ion-selective electrodes. II. Interfacial kinetics and time-dependent phenomena 9—83535
Mathis, G.L. *see* Browning, J.S. 9—52804
Mathis, R.A. *see* Christophorou, L.G. 9—82031
Mathis, T.D. *see* Judy, A.F. 9—50432
Matho, K. Pair approximation to the Ruderman-Kittel-Kasuya-Yoshida free energy 9—56557
Matho, K. Magnetic field dependence of the second virial coefficient for spin-glasses 9—65690
Matho, K. *see* Bredl, C.D. 9—61173
Mathuni, J., Kirchheim, R., Fromm, E. Thermotransport of oxygen in tantalum base alloys 9—95216
Mathuni, J., Kirchheim, R., Fromm, E. Heat of transport and heat of solution 9—99323
Mathur, B.K. *see* Mitra, G.B. 9—77452
Mathur, D., Hasted, J.B. Odd and even numbered hydrogen ion clusters 9—92840
Mathur, D., Khan, S.U., Hasted, J.B. Collision processes of electrons with molecular hydrogen ions 9—72424
Mathur, G.P. *see* Wasfi, A.K. 9—70482
Mathur, K.C. *see* Gupta, G.P. 9—59583, 9—86028, 9—98221
Mathur, K.N., Chandra, A. Areas for accelerating solar energy utilization in India 9—74509
Mathur, M.L. *see* Garg, H.P. 9—62121
Mathur, M.S. *see* Kelly, F.M. 9—63960, 9—72282
Mathur, O.N. *see* Srivastava, A.P. 9—78610
Mathur, P.C., Jain, S. Hole transport properties in gallium antimonide from 77 to 300K 9—73530
Mathur, P.C., Jain, S. Electrical transport mechanism in the conduction band of gallium antimonide studied from Hall-mobility and transverse-magnetoresistance measurements 9—73531
Mathur, P.C., Saxena, T.K. High-temperature mobility analysis of n-type GaAs in the three-valley (Γ_6^c-L_6^c-X_6^c) model 9—99544
Mathur, P.C., Sethi, B.R., Sharma, O.P. Negative magnetoresistance in heavily compensated ZnSe crystals 9—91079
Mathur, P.C., Sethi, B.R., Sharma, O.P., Talwar, P.L. High-field DC conductivity in n-type ZnSe crystals heavily doped with indium 9—65490
Mathur, P.C., Sethi, B.R., Sharma, O.P., Talwar, P.L. Effect of high-temperature annealing in cadmium on the electrical transport properties of single crystals of cadmium sulphide 9—78098
Mathur, P.C., Sethi, B.R., Talwar, P.L., Sharma, O.P., Sharma, R.P. Frequency dependence of conductivity in highly compensated n-type ZnSe crystals 9—99548
Mathur, P.C., Taneja, O.P., Krishna, K.V., Dawar, A.L. The effect of non-stoichiometric excess of In on the electrical transport properties of polycrystalline p-type InSb thin films 9—95528
Mathur, P.C. *see* Krishna, K.V. 9—99643
Mathur, P.C. *see* Mehra, R.M. 9—51603, 9—65524, 9—95406
Mathur, P.C. *see* Sethi, B.R. 9—51600
Mathur, R.B. *see* Nigam, A.N. 9—98018
Mathur, S.C., Kumar, B., Roy, K. Charge carrier transport in phenazine 9—95403
Mathur, S.N. *see* Harmony, M.D. 9—63990
Mathur, S.S., Umesh, G., Seth, A.K., Sharma, R.P., Kaushik, S.C. Periodic heating/cooling by solar radiation 9—62148
Mathur, S.S. *see* Gupta, B.K. 9—62034
Mathur, S.S. *see* Malik, M.A.S. 9—62144
Mathur, S.S. *see* Sabberwal, S.P. 9—62060
Mathur, V.N.S. *see* Agrawal, R.D. 9—77761
Matichard, G. *see* Aknin, J.P. 9—68001
Matijevic, E. *see* Sugimoto, T. 9—100445
Matilsky, T. Weak low-latitude X-ray sources and local galactic structure 9—84858
Matilsky, T.A. *see* Dupree, A.K. 9—67067
Matilsky, T.A. *see* Raymond, J.C. 9—67051
Matinyan, S.G. *see* Baseyan, G.Z. 9—71641
Matis, H.S. *see* Carrington, R.L. 9—76257
Matis, H.S. *see* Loomis, W.A. 9—71757
Matizen, E.V. *see* Klimenko, A.G. 9—65574
Matkowsky, B.J., Sivashinsky, G.I. On oscillatory necking in polymers 9—72826
Matkowsky, B.J. *see* Kapila, A.K. 9—66260
Matkowsky, B.J. *see* Schuss, Z. 9—80527
Matlin, R.W., Romaine, W.R., Fischbach, P.E. 25 kilowatt photovoltaic powered irrigation and grain drying experiment 9—70442
Matlis, S.B. *see* Balychev, I.N. 9—86820
Matlock, D.K. *see* Ramos, L.F. 9—52324
Matloff, G.L. The interstellar ramjet acceleration runway 9—101047
Matloff, G.L. *see* Stewart, R.W. 9—58137
Matoba, M., Fujita, H., Kawamura, Y., Okamura, K., Nakai, S., Yamanaka, C. High efficiency CO_2 laser system 'LEKKO II' using multiline energy extraction 9—81456
Matoba, M., Hyakutake, M., Koori, N., Irie, Y., Aoki, Y. Inelastic proton scattering on doubly even selenium isotopes 9—97705
Matoba, M. *see* Alkhazov, G.D. 9—75883
Matoba, M. *see* Bauer, T.S. 9—54394
Matoba, M. *see* Rangacharyulu, C. 9—89307
Matoba, M. *see* Yamanaka, C. 9—82070
Matoba, T., Funahashi, A., Itagaki, T., Kumagai, K., Shoji, T., Suzuki, N., Yamauchi, T. Thomson scattering measurements on ohmically heated plasmas in the JFT-2 Tokamak 9—50890
Matoba, T., Itagaki, T., Yamauchi, T., Funahashi, A. Analytical approximations in the theory of relativistic Thomson scattering for high temperature fusion plasma 9—77420
Matokhin, A.V. *see* Timakova, G.P. 9—61190
Matokhin, G.V. *see* Steklov, O.I. 9—100285
Matokhnyuk, L.E. *see* Kuz'menko, V.A. 9—83426
Matone, G. *see* Bailey, J. 9—59053
Matos, J. *see* Lee, F. 9—96831
Matousek, J., Piacente, V., Ferro, D., Nappi, B. Alkali evaporation from multicomponent lead glasses 9—74464
Matricciani, E. *see* Capsoni, C. 9—84340
Matrokhina, E.F. *see* Alekseev, L.A. 9—70061
Matrosov, I.I., Pogorelov, Y.L. Superlinear accumulation of the light sum of thermoluminescence in quartz 9—52030
Matrosov, V.A. *see* Satarov, V.V. 9—75546
Matrosov, Yu.I., Nasibov, A.G., Morozov, Yu.D., Mul'ko, G.N. Effect of sulphur and rare-earth metals on the properties of low-alloy steel hardened with carbonitrides 9—87720
Matrosov, Yu.I. *see* Gulyaev, A.P. 9—57086
Matschoss, V., Bachmann, K. Selective on-line gas phase separation methods for Tc and Ru 9—97907
Matseievskii, K.M. *see* Mamalui, Yu.A. 9—95697
Matseiko, V.I. *see* Nemkovich, N.A. 9—78748
Matsen, F.A., Nelin, C.J. Spin-free quantum chemistry. XXI. Hartree-Fock theory 9—85885
Matsepuro, A.D. *see* Shul'man, Z.P. 9—77100
Matshuhara, M. *see* Satomura, Y. 9—50408
Matskevich, L.L., Bazhinov, V.V., Ruchinskii, N.V. Wide-band dielectric mirrors of titanium and silicon oxides 9—76897
Matskevich, T.L. Work function of zirconium carbide-oxygen 9—56285
Matskevich, T.L., Kazantsev, A.P. Auger electron spectrum of zirconium carbide 9—69929
Matskevich, T.L., Vil'k, Yu.N. Thermionic-emission and adsorption properties of a eutectic alloy of zirconium carbide and tungsten 9—69951
Matskevich, V.K., Evseev, I.V., Ermachenko, V.M. Effect on spectral characteristics of the dependence of relaxation processes on the velocity of atoms 9—49985
Matsko, M.G. *see* Vitrikhovskii, N.I. 9—91497
Mats'kovaya, A.G. *see* Shcherban', A.N. 9—68548
Matson, G.B. *see* James, T.L. 9—93193
Matsonashvili, B.M. *see* Dureev, D.M. 9—89909
Matsonashvili, B.N. *see* Gureev, D.M. 9—52016, 9—71461, 9—83033
Matsuba, I. *see* Suzuki, M. 9—63088
Matsubara, F., Inawashiro, S. Magnetic properties of solid solution $Co_xFe_{1-x}Cl_2 2H_2O$ 9—78346
Matsubara, K. *see* Takagi, T. 9—83137
Matsubara, T., Efrima, S., Metiu, H.I., Ford, P.C. Solvent effects on the electronic spectra of the ruthenium(II) complexes $Ru(NH_3)_6^{2+}$ and $Ru(en)_3^{2+}$. Evidence for charge transfer to solvent transitions 9—94010
Matsubara, T. *see* Machida, K. 9—99656
Matsubara, T. *see* Nara, S. 9—64983
Matsubara, T. *see* Tanaka, T. 9—100449
Matsubara, Y. Conformal invariant Fermi weak interactions and weak bosons as collective modes 9—89094
Matsubara, Y., Mori, J., Yasukochi, K. Pressure and temperature oscillations of flowing helium 9—58744
Matsubaya, O., Sakai, H., Torii, T., Burton, H., Kerry, K. Antarctic saline lakes—stable isotopic ratios, chemical compositions and evolution 9—74911
Matsubayashi, O. *see* Nagao, K. 9—88314
Matsuda, A., Moriizumi, T., Suemune, I., Yasuda, T. Special total reflection of SAW on anisotropic crystals 9—56054

Matsuda, A. *see* Suemune, I. 9—81602
Matsuda, H. A small mass spectrometer for residual gas analysis 9—79349
Matsuda, H. *see* Arita, S. 9—83740
Matsuda, H. *see* Matsuo, T. 9—79323
Matsuda, H. *see* Odagaki, T. 9—56129
Matsuda, K., Majima, H. Experimental studies of the copper cementation on iron 9—70002
Matsuda, K. *see* Hsu, J.Y. 9—77406
Matsuda, K. *see* Mori, N. 9—100130, 9—100150
Matsuda, M. *see* Kuroda, E. 9—52108
Matsuda, M. *see* Ozawa, K. 9—76921
Matsuda, O. *see* Hayashi, Y. 9—64658
Matsuda, S. Solid state mutual coupling in plasma 9—55515
Matsuda, S. *see* Kodaira, J. 9—93428
Matsuda, S. *see* Roberts, R.G. 9—75740
Matsuda, S. *see* Shimizu, S. 9—83263
Matsuda, T., Hatta, I. Automatic measurements by means of the GP-IB interface system 9—75509
Matsuda, T. *see* Barber, D. 9—54289, 9—54346
Matsuda, T. *see* Barber, D.P. 9—89175, 9—97631
Matsuda, T. *see* Futamase, T. 9—58599, 9—92865
Matsuda, T. *see* Nagata, F. 9—57820
Matsuda, T. *see* Tonomura, A. 9—54231, 9—85203
Matsudaira, H. *see* Iwasaki, T. 9—92247
Matsudaira, T., Onchi, M. Angle-resolved AES study on initial oxidation of Ni (100) surface 9—52463
Matsudaira, T., Onchi, M. LEED and angle-resolved AES studies on Si-, P-, and Cl-adsorbed Ni(100) surfaces 9—95258
Matsuhisa, H., Sato, S. Frequency dependence of acoustic radiation from a vibrating circular plate 9—90070
Matsui, H. *see* Kimura, H. 9—78988
Matsui, H. *see* Kirmura, H. 9—66156
Matsui, J., Onabe, K., Kamejima, T., Hayashi, I. Lattice mismatch study of LPE-grown InGaPAs on (001)-InP using X-ray double-crystal diffraction 9—99440
Matsui, J. *see* Kamejima, T. 9—82213
Matsui, K. *see* Koizumi, H. 9—57458
Matsui, K. *see* Nishi, N. 9—81233
Matsui, M., Adachi, K. Low-temperature structure of Fe-Ni alloys 9—55856
Matsui, M., Chikazumi, S. Analysis of anomalous thermal expansion coefficients of Fe-Ni Invar alloys 9—65225
Matsui, M., Fujino, O., Natsuume, H., Toei, J., Shigematsu, T. Some studies on atomic absorption spectrometry using ultrahigh-frequency plasma as atomizer 9—92027
Matsui, M. *see* Adachi, K. 9—65657, 9—91253
Matsui, M. *see* Ito, Y. 9—56504
Matsui, S. *see* Terao, T. 9—87332
Matsui, T., Sakai, K., Yasuno, M. Solid-like structure of pion condensed nuclear matter 9—71813
Matsui, T. *see* Yamada, H. 9—77129
Matsui, Y. *see* Bando, Y. 9—69060
Matsui, Y. *see* Hashizume, M. 9—74862
Matsui, Y. *see* Mukai, J. 9—89021
Matsui, Y. *see* Nakagawa, T. 9—69780
Matsui, Y. *see* Okuyama, M. 9—100052
Matsukawa, S. *see* Ajiro, Y. 9—91287
Matsuki, K., Ohno, K., Sohma, J. Electron spin resonance studies of Cu^{2+} doped ammonium sulfate single crystals 9—91286
Matsuki, K. *see* Nishimatsu, Y. 9—57915
Matsuki, M. Generation mechanism of contact pressure in magnetic brush developer 9—75633
Matsuki, S., Higo, T., Iwashita, Y., Sekioka, T., Yanabu, T., Itoh, H., Maki, T., Yoshimura, A., Yoshinaga, H., Cho, T., Uehara, S. Energy spectra of neutrons induced by 0.75 GeV/c negative pions on complex nuclei 9—67777
Matsuki, S. *see* Sakamoto, N. 9—54389
Matsuki, T. Infrared gravitons in a ghost-free axial gauge 9—67214
Matsuki, T., Okada, H. O(4)⊗U(1) gauge model 9—71681
Matsukura, T., Kinoshita, T., Takizawa, A., Tsujita, Y., Sumitomo, H., Hashimoto, K. Sorption and permeation of water and water vapor in hydrophilic polyamide, poly(tetrahydropyran-2,6-diyliminocarbonyl) 9—70376
Matsukura, Y., Kiso, M., Inoue, T., Tomisawa, M. On the balancing convergence of flexible rotors, with special reference to asymmetric rotors 9—81785
Matsumara, H. *see* Gambling, W.A. 9—76830
Matsumoto, C. *see* Nagino, Y. 9—54470
Matsumoto, D.S., Reynolds, C.L., Jr., Anderson, A.C. Localized low-energy excitations in two amorphous polymers 9—73322
Matsumoto, G. *see* Nakane, H. 9—99636
Matsumoto, G. *see* Noya, A. 9—91157
Matsumoto, H. Interferometric measurement of a gauge block with a 3.39 μm He-Ne laser 9—97346
Matsumoto, H., Umezawa, H. A new phase in the magnetic superconductors 9—82705
Matsumoto, H., Wakita, H. Frequency warping for nonuniform talker normalization 9—59894
Matsumoto, H. *see* Fujii, Y. 9—56001
Matsumoto, H. *see* Ikegami, S. 9—87992
Matsumoto, H. *see* Mancini, F. 9—99653
Matsumoto, H. *see* Seki, S. 9—73669
Matsumoto, H. *see* Tsutsui, M. 9—73047
Matsumoto, K. *see* Kataoka, T. 9—97805
Matsumoto, K. *see* Sawaragi, Y. 9—57502
Matsumoto, M., Kanamori, H. Correlation of irreducible representations in symmorphic space groups and their applications to morphic effects on two-phonon infrared and Raman spectra 9—77541
Matsumoto, M. *see* Machida, M. 9—83140
Matsumoto, M. *see* Oishi, Y. 9—74137
Matsumoto, M. *see* Tamura, S. 9—83859
Matsumoto, N., Bando, T. Intracellular recordings of tectal cells of the frog 9—79525
Matsumoto, N., Kumabe, K. Effects of hydrogen incorporation during deposition by sputtering for amorphous gallium phosphide films 9—69981
Matsumoto, N., Kumabe, K. Single mode semiconductor lasers 9—89907
Matsumoto, N. *see* Kumabe, K. 9—99611
Matsumoto, S., Hashimoto, Y., Yamashita, H., Yamane, I. Analysis of ^{15}N by proton scattering 9—61926
Matsumoto, S., Liu, B. Halftone screen design methods for nonlinear optical processing 9—98294
Matsumoto, S. *see* Iwasaki, T. 9—92247
Matsumoto, S. *see* Kubo, T. 9—72071
Matsumoto, T. Green's functions for composite particles in quantum chromodynamics 9—85262
Matsumoto, T. Dynamical correction of neutron diffraction data for light nuclei liquids 9—99034
Matsumoto, T., Nakagawa, K. Wavelength dependence of spliced graded-index multimode fibers 9—72672
Matsumoto, T., Ohtomo, N., Senda, M. Neutron diffraction of liquids by electron LINAC 9—50974
Matsumoto, T. *see* Amano, M. 9—100542
Matsumoto, T. *see* Hayakawa, S. 9—71128, 9—80350
Matsumoto, T. *see* Shimada, S. 9—94331
Matsumoto, Y., Ishibashi, K. Transient response analysis of pneumatic transmission line by the characteristic curve method with frequency dependent wall shear and heat transfer 9—77244
Matsumoto, Y., Okazaki, M. Frequency characteristics of pneumatic transmission lines with and without steady flow 9—77245
Matsumura, C. *see* Kawashima, Y. 9—59439
Matsumura, C. *see* Sugie, M. 9—85957
Matsumura, F., Fujii, Y., Saito, S. Detection of air pollutant gases by using Fourier transform techniques 9—57558
Matsumura, M. *see* Grover, A.K. 9—65745
Matsumura, M. *see* Kawamura, H. 9—95772
Matsumura, S., Sin-Li Chen Studies on the measurement of plasma parameters by means of the RF probe method 9—86612
Matsunaga, K. *see* Hara, T. 9—86169
Matsunaga, M. *see* Sharma, C.S. 9—91806
Matsunaga, N. *see* Okuyama, M. 9—87060
Matsunaga, S., Tanaka, T., Baba, O., Takahashi, H., Nakamura, K., Sakasai, M., Kobatake, K., Kamegaya, K., Yamada, K., Usui, S. Construction and performance tests of OGL-1 9—71881
Matsunaka, T. *see* Tsuda, M. 9—88146
Matsunami, H., Masahiro, H., Tanaka, T. Structures and physical properties of sputtered amorphous SiC films 9—78236
Matsunami, H. *see* Ikeda, M. 9—61421
Matsunami, H. *see* Suzuki, A. 9—96386
Matsunami, N. *see* Norton, P.R. 9—86970
Matsuno, K. Localized open systems in a thermodynamically closed system of chemical reactions 9—100357
Matsuno, K. *see* Shimamura, S. 9—96486
Matsuno, Y., Yamamoto, H., Kosugi, H., Nomoto, S. Test and operational experience with the experimental fast reactor JOYO 9—97867
Matsuo, H. Converging shock waves generated by instantaneous energy release over cylindrical surfaces 9—94640
Matsuo, H. Visualization of intracardiac blood flow and its clinical usefulness—application of ultrasonic pulsed Doppler technique 9—96638
Matsuo, K., Kawagoe, S., Ogawara, T. Starting process of a supersonic Ludwieg tube with a downstream valve 9—72965
Matsuo, K. *see* Kurokawa, J. 9—94628
Matsuo, M., Hayakawa, H., Hayami, S. Texture formation in continuous annealing with emphasis on the effect of coiling temperature of hot strip 9—91688
Matsuo, M. *see* Kaneda, Y. 9—83924
Matsuo, N. *see* Ota, K. 9—70772
Matsuo, S. *see* Kuroda, Y. 9—62513
Matsuo, T., Matsuda, H., Katakuse, I. Silicon emitter for field desorption mass spectrometry 9—79323
Matsuo, Y., Fujimura, M., Hashimoto, Y. A proposal on monitoring and control of aerosols based on size distribution 9—57534
Matsuo, Y. *see* Nagasawa, A. 9—91647
Matsuo, Y. *see* Nozawa, T. 9—51802
Matsuoka, K., Miyamoto, K. Stabilization of MHD-instabilities in a current-carrying stellarator 9—64848
Matsuoka, K., Miyamoto, K. Stabilization of low-m kink modes in Tokamaks 9—64890
Matsuoka, K., Miyamoto, K. Stabilization of magnetohydrodynamic instabilities in a current-carrying stellarator 9—86582
Matsuoka, K. *see* Sato, M. 9—55554
Matsuoka, M. *see* Eda, K. 9—69514, 9—69515
Matsuoka, M. *see* Fujita, M. 9—64289
Matsuoka, S., Tanaka, K. Influence of stress ratio at baseline loading on delayed retardation phenomena of fatigue crack growth in A553 steel and A5038 aluminium alloy 9—79065
Matsuoka, S. *see* Kobayashi, I. 9—80661
Matsuoka, S. *see* Tanaka, K. 9—96147
Matsuoka, S. *see* Ueno, S. 9—83974
Matsuoka, T. Scaling features in hard reactions and correlating quark rearrangement model 9—58939
Matsuoka, T., Nakamura, M. Large p_T production and hard rearrangement of quarks 9—63454
Matsuoka, Y., Sumitomo, H., Iwai, S. An estimation of pollution sources with monitoring of river water quality 9—52970
Matsuoka, Y. *see* Morinaga, H. 9—61461
Matsusaka, N. Whole-body retention of ^{65}Zn during pregnancy and lactation, and its secretion into milk in mice 9—88200
Matsuse, T. *see* Abe, Y. 9—54425
Matsuse, T. *see* Kondo, Y. 9—54424
Matsushige, K. *see* Uezaki, N. 9—70568
Matsushima, F., Morita, N., Kano, S., Shimizu, T. Infrared-infrared double resonance on a molecular beam of NH_3 9—68243
Matsushima, M. *see* Hajimoto, Y. 9—78655
Matsushima, M. *see* Komatsu, K. 9—81792
Matsushima, S. Tensile strength and cyclic tensile fatigue strength for Fe (BCC and FCC) at high temperature in vacuum 9—100251
Matsushima, S., Ishihara, T., Ohashi, S., Ito, G. Effect of heating and cooling rate of test solution on stress corrosion cracking of austenitic stainless steels in high temperature water 9—61800
Matsushima, Y. *see* Kono, A. 9—79653
Matsushima, Y. *see* Sakai, K. 9—70001
Matsushita, I. *see* Wada, J. 9—84023
Matsushita, M. A tentative model of the smectic A-smectic C transition 9—90762
Matsushita, R., Koyama, M. Evaporation of elements at high temperature as applied to neutron activation analysis of aluminum materials 9—57309
Matsushita, R., Koyama, M. The origin of fission products in primary cooling water: evaluation of contribution of uranium contained in clad materials as an impurity 9—63751
Matsushita, R. *see* Hashimoto, E. 9—69280
Matsushita, R. *see* Tamai, T. 9—54982
Matsushita, S. *see* Shimada, S. 9—94331
Matsushita, T. Nonlinear current-voltage characteristics in dilutely pinned superconductors 9—56479
Matsushita, T. Scaling law of the pinning forces in nonideal type II superconductors 9—99663
Matsushita, T., Kusayanagi, E., Yamafuji, K. Current-voltage characteristics of randomly pinned type II superconductors 9—56478
Matsushita, T., Suzuki, A., Okuda, M., Tri Nang, T. Photocrystallization of amorphous Ge_xSe_{1-x} thin films 9—87024
Matsushita, T. *see* Ezaki, T. 9—71487
Matsushita, T. *see* Irie, F. 9—60965
Matsushita, T. *see* Ito, S. 9—87571
Matsushita, T. *see* Nang, T.T. 9—91398
Matsushita, T. *see* Okuda, M. 9—87519
Matsushita, T. *see* Shimada, S. 9—83157
Matsushita, T. *see* Tran Tri Nang 9—59773
Matsushita, Y. *see* Kohsaka, M. 9—88165
Matsutera, H., Hidaka, Y. Bubble propagation direction effects on high frequency bias margin 9—78480
Matsutera, H., Hidaka, Y. Bubble propagation pattern analysis 9—78482
Matsuura, A., Akehata, T., Shirai, T. Effect of latent heat on the temperature profile for concurrent air-water downflow in packed beds 9—50789
Matsuura, K. The temperature dependence of work-hardening due to Orowan loops in a dispersion-hardened alloy 9—91668
Matsuura, K. *see* Ishida, F. 9—61748
Matsuura, K. *see* Ohkubo, K. 9—86617
Matsuura, K. *see* Terasaki, K. 9—52283
Matsuura, M. Crystallization kinetics of amorphous Fe-B alloys by DTA 9—60284
Matsuura, M. *see* Burlet, P. 9—99678
Matsuura, Y., Fukuda, K. New oscillatory structures of Ne_2 and Ar_2 emission continua in the vacuum ultraviolet 9—54905
Matsuya, T. *see* Hashimoto, H. 9—72924
Matsuyama, K. *see* Higashiguchi, Y. 9—51157
Matsuyama, K. *see* Konishi, S. 9—99723
Matsuyama, S., Miyazawa, H. Long range forces between hadrons 9—67503

Matsuyama, T., Suto, H. Grain boundary segregation in 1 at.% P-(Ni,Mn,Cr,Mo,W)-αFe ternary solid solution alloys 9—78981
Matsuyama, T., Yamaoka, H. Radical pair formation in fluorene ketone polycrystals at 77K 9—56610
Matsuyanagi, K. *see* Suzuki, T. 9—71810, 9—89252
Matsuyuki, A. *see* Furuya, N. 9—92113
Matsuzaka, Y. *see* Nishimura, J. 9—80218
Matsuzaki, K. *see* Suda, T. 9—87127
Matsuzaki, Y., Fung, Y.-C. Nonlinear stability analysis of a two-dimensional model of an elastic tube conveying a compressible flow 9—64547
Matsuzawa, M. *see* Koike, F. 9—81265
Matsuzawa, T. *see* Yajima, S. 9—74122
Matsuzawa, T. *see* Yamaura, H. 9—92292
Mattas, R.F. *see* Yaggee, F.L. 9—89380
Mattauch, R.J. *see* Aydinli, A. 9—82596
Mattauch, R.J. *see* Hong-Ih Cong 9—53718
Mattauch, R.J. *see* Seabaugh, A.C. 9—83114
Mattei, G. Jeans' gravitational instability of an anisotropic plasma with generalised polytropic equations of state 9—94780
Mattei, G. *see* Ushioda, S. 9—73451
Mattei, J. Novalike object in Vulpecula 9—75221
Mattei, J. Supernova in NGC 4321 9—75229
Mattei, J. V1668 Cygni 9—80324
Mattei, J. SU Tauri 9—92785
Mattei, J. *see* Kozai, Y. 9—71049
Mattens, W.C.M., de Chatel, P.F., Moleman, A.C., de Boer, F.R. Intermediate-valence state of Yb in Y- and Gd-substituted YbCuAl 9—51743
Mattens, W.C.M. *see* De Boer, F.R. 9—77545
Mattens, W.C.M. *see* MacLaughlin, D.E. 9—78550
Matteoli, L. Beryllium copper 9—83207
Mattera, L. *see* Buck, U. 9—54799
Mattern, P.L. *see* Rahn, L.A. 9—94288
Mattern, P.L. *see* Shelby, J.E. 9—99240
Mattes, B.L. *see* Dun, H. 9—49330
Mattes, H.G. *see* Leblanc, M.A.R. 9—60963
Mattes, J., Berberich, P., Kinder, H. Resonant scattering of monochromatic phonons by magnons in MnF_2 and in YIG 9—65150
Matteson, H.H., Lewis, J.H. Temporal facilitation and stroboscopic motion 9—53132
Matteson, S., Tonn, D.G., Nicolet, M.A. Diagnostic test for ion implantation dosimetry 9—90690
Matteson, S. *see* Staudenmaier, G. 9—98983
Matteuzzi, C. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Matteuzzi, C. *see* Bonetti, S. 9—49509
Matteuzzi, C. *see* Ciampolillo, S. 9—71739
Matteuzzi, C. *see* Pohl, M. 9—49507
Matthaei, G.L. Variational solutions for acoustic resonator problems from the 'reaction' point of view 9—55302
Matthaus, W. On the mean annular variation of the surface salinity of the Baltic Sea 9—62521
Matthay, H. *see* Mechtersheimer, G. 9—93666
Matthes, R. *see* Bockisch, A. 9—63851
Matthes, W. Cross-section adjustment in the analysis of benchmark experiments 9—63718
Matthes, W., Rief, H. A bounded Monte Carlo estimator for reaction rates in finite volume elements 9—85571
Matthess, G. The balance of groundwater in the Federal Republic of Germany 9—62539
Matthew, J.A.D., Netzer, F.P. The bromine $M_{2,3}M_{4,5}V$ and $M_{4,5}VV$ Auger spectra of Br/Pt(111) 9—69926
Matthews, A.D. *see* Skinner, D.P. 9—90087
Matthews, D.E., Ben-Galim, E., Bier, D.M. Determination of stable isotopic enrichment in individual plasma amino acids by chemical ionization mass spectrometry 9—79694
Matthews, F.L. *see* Pyner, G.R. 9—91739
Matthews, G. Time's arrow and the structure of spacetime 9—97173
Matthews, G. *see* Yau, K.-W. 9—74651, 9—79530
Matthews, G.E., Jr. *see* Andeen, C. 9—82924
Matthews, H.E. High resolution radio observations of bright rims in IC 1396 9—71092
Matthews, H.E. *see* Baud, B. 9—58395
Matthews, J.I. Microcomputer vs. minicomputer for educational computing 9—48989
Matthews, J.L. *see* Leitch, M.J. 9—85451
Matthews, J.R., Wood, M.H. Modelling the transient behaviour of fission gas 9—97826
Matthews, K. *see* Neugebauer, G. 9—62926
Matthews, K. *see* Werner, M.W. 9—84842
Matthews, L.K. *see* Otts, J.V. 9—62113
Matthews, R.A. *see* Nichols, D.R. 9—84488
Matthews, R.K. *see* Fairbanks, R.G. 9—66675
Matthews, T.A. *see* Hanisch, R.J. 9—88750
Matthey, M. 'Quantization' of stochastic variables: description and effects on the input noise sources in a BWR 9—85573
Matthiae, G. *see* Badier, J. 9—93460
Matthias, A.D., Blackmer, A.M., Bremner, J.M. Diurnal variability in the concentration of nitrous oxide in surface air 9—84369
Matthias, B.T. Itinerant magnetism 9—73668
Matthias, B.T., Fisk, Z., Smith, J.L. Superconductivity with europium 9—78248
Matthias, B.T. *see* Enz, C.P. 9—51715
Matthias, B.T. *see* Ott, H.R. 9—56374
Matthias, B.T. *see* Stewart, G.R. 9—82356
Matthias, E. *see* Gerhardt, H. 9—93504
Matthias, E. *see* Thornton, G. 9—86009
Matthias, M. *see* James, R.A. 9—71894
Matthies, S. On the reproducibility of the orientation distribution function of texture samples from pole figures (ghost phenomena) 9—55611
Matti Maricq, M., Waugh, J.S. NMR in rotating solids 9—65759
Mattig, P. *see* Armstrong, T.A. 9—85344
Mattig, P. *see* Brandelik, R. 9—93441
Mattig, P. *see* Evangelista, C. 9—75788, 9—80843
Mattig, W. *see* Durrant, C.J. 9—66980
Mattingly, G.E., Pursley, W.C., Paton, R., Spencer, E.A. Steps toward an ideal transfer standard for flow measurement 9—68892
Mattioli, F. *see* Ciampolillo, S. 9—71739
Mattioli, G. *see* Cini, M. 9—84977
Mattioli, M. *see* Breton, C. 9—80700
Mattis, D. *see* Gallardo, J. 9—78014
Mattis, D.C. Ground-state symmetry in XY model of magnetism 9—65629
Mattis, D.C. Molecular-field theory with correlations 9—82804
Mattis, D.C. Soluble Ising model in 2+1/N dimensions and XY model in 1+1/N dimensions 9—93071
Mattison, E.M. *see* Levine, M.W. 9—55098
Mattocks, P.G. Copper-beryllium search coils and the measurement of small magnetisations in pulsed magnetic fields 9—63281
Mattox, D.M., Sharp, D.J. Surface morphology of low energy hydrogen ion eroded stainless steel 9—86968
Mattsson, A.C. *see* Kellen, P.F. 9—76736
Mattsson, S. *see* Azuma, R.E. 9—93550
Mattsson, S. *see* Carraz, L.C. 9—85407
Mattsson, S. *see* Ewan, G.T. 9—71820
Mattsson, S. *see* Schardt, D. 9—93567
Matucha, K.H. The influence of final heat treatment on the texture and mechanical anisotropy of Zircaloy cladding tubes 9—91694
Matuk, C. Impact of a linearly elastic rod on a thin linearly viscoelastic target 9—81793
Matulenis, A. *see* Bartashevich, Z. 9—56337
Matulenis, E.P. *see* Yagminas, A.I. 9—91851
Matulenko, Yu.A. *see* Apokin, V.D. 9—67615
Matulewicz, Z. *see* Wilde, P. 9—98613
Matulionis, A. *see* Dargys, A. 9—69613
Matulis, A., Piragas, K., Tamashyavichyus, A., Shatkovskii, E. Dynamics of the electron heating in longitudinal electric and quantizing magnetic fields 9—69520
Matulis, Yu.Yu. *see* Zheimite, O.C. 9—91963
Matumoto, Z. *see* Niizeki, H. 9—85413
Matumoto, Z. *see* Sakaguchi, M. 9—54388
Matumoto, Z. *see* Tamura, T. 9—75818
Matumura, O. *see* Nakada, I. 9—95923
Matusevich, I.M. *see* Bogorodskii, V.V. 9—80667
Matusevich, V.A. *see* Zaika, N.I. 9—80949
Matushkina, L.V. *see* Krasnov, Yu.K. 9—56379, 9—56470
Matusita, K., Mackenzie, J.D. Low expansion copper aluminosilicate glasses 9—51284
Matusita, K., Mackenzie, J.D. Improvement of chemical durability of high expansion phosphate glass by ion-exchange 9—66180
Matusita, K. *see* Kamiya, K. 9—77527
Matusita, K. *see* Sakka, S. 9—95210
Matussek, P. *see* Eberle, H. 9—49691
Matuszek, J.M. *see* Lu, A.H. 9—85628
Matuszkina, O. Variations of the fundamental frequency in Polish voiced consonants 9—68501
Matveenko, A. *see* Fonseca, A.C. 9—93534
Matveenko, A.V. *see* Gruzinov, B.F. 9—90948
Matveenko, G.V. Wave-field digital filtering, allowing for ray diffraction defined by the Ferm principle 9—88495
Matveenko, G.V. *see* Vasil'ev, S.A. 9—58118
Matveets, Yu.A. *see* Kryukov, P.G. 9—64056, 9—64283
Matveev, G.G. *see* Bashkov, V.I. 9—88854
Matveev, I.N. *see* Andreeva, N.P. 9—94297
Matveev, S.V. *see* Danilenko, V.N. 9—68125
Matveev, V.A. *see* Vydrin, V.N. 9—100195
Matveev, V.I. *see* Alekhin, L.A. 9—97898
Matveev, V.I. *see* Kazachkovskii, O.D. 9—97803
Matveev, V.P. *see* Koltun, M.M. 9—83593
Matveev, V.V., Gol'dman, A.Ya., Budtov, V.P., Ponomareva, E.L., Lobanov, A.M. The effect of molecular mass and polydispersity on the durability of high density polyethylene 9—66191
Matveev, V.V. *see* Zhernov, V.S. 9—76108
Matveev, Yu.A., Grebennikov, V.I., Sokolov, O.B. Many-particle effects in ESCA spectra of inner levels of metals and semiconductors 9—91560
Matveeva, G.N. *see* Lashko, N.F. 9—70055
Matveeva, S.N. *see* Osipova, L.P. 9—72663
Matveyenko, L.I., Kostenko, V.I. On the structure of the Crab Nebula 9—75257
Matveyets, Yu.A. *see* Kryukov, P.G. 9—57581
Matveyev, S.K., Kocheryzhenkov, G.V. Heat transfer from a gas jet to a porous baffle 9—98776
Matveyeva, E.T., Troitskaya, V.A., Feygin, F.Z. Isolated bursts of type Pc 1b geomagnetic pulsations at high latitudes 9—53664
Matvienko, B.V. *see* Zelenskii, V.F. 9—71898
Matvienko, V.N., Pertsov, N.V., Shchukin, E.D. Plasticizing of naphthalene single crystals by surface active organic media 9—55813
Matviychuk, K.S. On solutions existence and uniqueness for the Kirkwood-Salzburg operator integral equations for the Bose and Fermi systems of quantum statistical physics 9—93036
Matyja, H. *see* Kulik, T. 9—77520
Matyka, J., Faudot, F., Bigot, J. Study of iron solubility in α titanium 9—99324
Matysiak, S., Wachecka-Skowron, A. On uniqueness of solution of mixed boundary value problems for a micropolar half-space 9—63041
Matyugin, Yu.A. *see* Dolgopolov, S.G. 9—89006
Matyugov, S.S. *see* Kolosov, M.A. 9—80253
Matyugov, S.S. *see* Yakovlev, O.I. 9—62777
Matyushenko, L.A. *see* Georgieva, I.Ya. 9—74151
Matyushenko, N.N., Strel'nitskii, V.E., Gusev, B.A. A new dense modification of crystalline carbon C_8 9—99114
Matyushevskii, E.A. *see* Volodin, V.D. 9—68135
Matyushevsky, E.A. *see* Aksenov, V.G. 9—54224
Matyushichev, Yu.F. *see* Kovnatskii, A.M. 9—90271
Matyushichev, Yu.K. *see* Ioffe, I.V. 9—64634
Matyushin, A. *see* Aksinenko, V. 9—97713
Matyushin, A.M. *see* Gimanov, V.P. 9—53288
Matyushin, A.T. *see* Volodin, V.D. 9—68135, 9—97940
Matyushin, G.A. *see* Byalko, N.G. 9—94312
Matyushin, V. *see* Aksinenko, V. 9—97713
Matyushin, V.T. *see* Volodin, V.D. 9—68135, 9—97940
Matyushkin, E.V. *see* Bron, R.Ya. 9—91487
Matyushkin, E.V. *see* Bron, R.Yu. 9—87492
Matyushkin, E.V. *see* Dokashenko, V.P. 9—59724
Matyushkin, E.V. *see* Venitskii, V.N. 9—69728
Matz, N. *see* Minehart, R. 9—76032
Matz, N. *see* Sadler, M.E. 9—85328
Matz, W. *see* Frauenheim, T. 9—56174
Matza, S.D., Lipschutz, M.E. Thermal metamorphism of primitive meteorites. VII. Mineralogy-petrology of heated Murchison (C2) and alteration of C30 and other chondrites 9—53777
Matzen, M.K. Structure and observable characteristics of laser driven ablation 9—64883
Matzen, M.K. *see* Anthes, J.P. 9—87528
Matzen, W.T., Chiang, S.Y., Carbajal, B.G. A device model for the tandem junction solar cell 9—100521
Matzie, R.A., Menzel, G., Shapiro, N.L. Conceptual design and performance of a 1300-MW(e) spectral shift controlled reactor 9—85595
Matzie, R.A. *see* Garel, K.C. 9—89387
Matzie, R.A. *see* Hellens, R.L. 9—54482
Matzie, R.A. *see* Sider, F.M. 9—89386
Matziol, K., Wojciechowski, W. Optical activity of binuclear M_2X_7YZ complex 9—95726
Matzke, H. *see* Ewart, F.T. 9—49689
Matzner, R.A., Zamorano, N., Sandberg, V.D. Instability of the Cauchy horizon of Reissner-Nordstrom black holes 9—67201
Mau, N.V. Nuclear structure approach to the nucleon-nucleus optical model 9—93575
Mau, N.V. *see* Bouyssy, A. 9—93631
Mau, R.Vinh *see* Vinh Mau, R.
Mau, S.T., Kao, C.S. A risk model for seismic zonation of Taiwan 9—88277
Maubert, L. *see* Manaranche, J.C. 9—63790, 9—80977
Maucherat-Joubert, M., Cruvellier, P., Deharveng, J.M. Ultraviolet observation of the zodiacal light from the D2B-Aura satellite 9—58299
Mauclaire, G., Derai, R., Fenistein, S., Marx, R. Energy disposal in thermal-energy charge transfer reactions determined by kinetic energy measurements of product ions: $Ne^+ + O_2 \rightarrow O^+ + O + Ne$ and $Ar^+ + O_2 \rightarrow O_2^+ + Ar$ 9—64099
Mauclaire, G., Derai, R., Fenistein, S., Marx, R., Johnsen, R. Thermal energy charge transfer from He^+ to O_2: kinetic energy, nature, and reactivity of the O^+ product ions 9—64100
Maude, N. Expendable batteries 9—71545
Mauderli, W. *see* Entine, G. 9—49351
Maudlin, P.J., Borg, R.C., Ott, K.O. Accuracy and computational time of a hierarchy of growth rate definitions for breeder reactor fuel 9—80979
Maudsley, A.A. *see* Mansfield, P. 9—93190
Mauduit, B.Legros-de *see* Legros-de Mauduit, B.
Mauduit, D. *see* Esteban, D.J. 9—64448
Mauer, J.L., Logan, J.S. Reactant supply in reactive ion etching 9—83349
Mauersberger, K. *see* Engebretson, M.J. 9—66849
Mauersberger, P. *see* Haupt, H.J. 9—90632
Mauger, A. *see* Escorne, M. 9—63203, 9—99569
Maugin, G.A. Nonlocal theories or gradient-type theories: a matter of convenience? 9—67457
Maugin, G.A. One-dimensional nonlinear motion in relativistic elasticity 9—84953
Maugin, G.A. A continuum approach to magnon-phonon couplings. I. General equations, background solution 9—95622
Maugin, G.A. A continuum approach to magnon-phonon couplings. II. Wave propagation for hexagonal symmetry 9—95623

Maugin, G.-A. The equilibrium shapes of a self gravitating elastic sphere 9—54027
Maugis, D. Hot-pressing diagrams for FCC metals 9—70027
Maugis, D. *see* Barquins, M. 9—52394
Mauk, B. *see* Lin, C.S. 9—101027
Mauk, B. *see* Meng, C.-I. 9—101008
Mauk, B.H. *see* Hughes, W.J. 9—80094
Mauk, N. *see* Gurgiolo, C. 9—80085
Maul, P.R. Preliminary estimates of the washout coefficient for sulphur dioxide using data from an East Midlands ground level monitoring network 9—74926
Maule, D.J. *see* Tassell, C. 9—89002
Maulhardt, H., Kunath, D., Kriegsmann, H. Double-beam measuring instrument employed in infrared emission spectroscopy 9—80704
Maulsby, R.L. *see* Dymek, M.S. 9—79676
Maund, J.B. Tachyons and causal paradoxes 9—84949
Maunder, L. *see* Burdess, J.S. 9—54124
Maung, T. *see* Gozani, T. 9—52848
Maurer, G. *see* Braun, H. 9—58969, 9—93450
Maurer, G. *see* Edwards, T.J. 9—51243
Maurer, G.S., Dennis, B.R., Coe, M.J., Crannell, C.J., Cutler, E.P., Dolan, J.F., Frost, K.J., Orwig, L.E. The high-energy pulsed X-ray spectrum of Hercules X-1 as observed with OSO 8 9—92888
Maurer, J., Libchaber, A. Rayleigh-Benard experiment in liquid helium; frequency locking and the onset of turbulence 9—90255
Maurer, M. *see* Cadeville, M.C. 9—78069
Maurer, P., Eberhardt, P., Geiss, J., Grogler, N., Stettler, A., Brown, G.M., Peckett, A., Krahenbuhl, U. Pre-Imbrian craters and basins: ages, compositions and excavation depths of Apollo 16 breccias 9—53739
Mauri, M. *see* Capsoni, C. 9—84339
Mauri, M. *see* Lazzaro, E. 9—94784
Mauri, M. *see* Macchiarella, G. 9—84341
Maurice, D.M. *see* Burstein, N.L. 9—53294
Maurice, E. *see* Ardeberg, A. 9—101147, 9—101192
Maurice, L., Duval, P., Gorinas, G. Oil backstreaming in turbomolecular and oil diffusion pumps 9—80636
Maurin, A.F. *see* Uzberg, L.V. 9—82594
Maurin, G. *see* Amblard, J. 9—74105, 9—91693
Maurin, G. *see* Spinner, B. 9—52133
Maurin, M. *see* Brun, G. 9—86758
Maurin, M. *see* Jumas, J.C. 9—99137
Maurin, M. *see* Philippot, E. 9—69069, 9—99130
Mauritsch, H.J., Frisch, W. Palaeomagnetic data from the central part of the Northern Calcareous Alps, Austria 9—53307
Mauritzson, G. *see* Stephens, R.I. 9—61711
Mauro, A. *see* Wong, F. 9—62252
Maurone, P.A. Time of flight for the bouncing ball experiment 9—71196
Maury, F. *see* Biget, M. 9—60356
Maury, J.-P. *see* Pinceaux, J.-P. 9—82413
Maury, P. *see* Pinceaux, J.-P. 9—73373
Maurya, A.L., Bose, S.K., Tuli, S.K. Track-diameter measurements of alpha particles in diacel plastic track detector 9—49911
Mausbeck, H. *see* Brudermueller, G. 9—97848
Mauskop, E.M., Solomon, A.M., Zavilopulo, A.N., Romanovskii, Yu.A., Shkoba, B.V. Mass-spectrometer measurements of molecular beams 9—67428
Mauskop, E.M., Zavilopulo, A.N. Method for increasing the accuracy of pressure measurement using an MT-6 vacuum gauge in the range 10^2-10^4 Pa 9—67332
Maussner, G. *see* Von Heimendahl, M. 9—55671
Mauza, E.V. *see* Yakimavichyus, I.A. 9—65032
Mauzac, M., Vairon, J.P., Laupretre, F. Nuclear spin-lattice relaxation and molecular motions in isotactic poly(but-1-ene) and (but-1-ene)-propylene copolymers in solution 9—95670
Mavaddat, R. *see* Ghatak, A. 9—60146
Mavashev, Yu.Z., Rudshtein, V.L., Valeeva, I.A. Solar apparatus for investigating the radiation properties of materials over a wide temperature range 9—94307
Mavis, D.G. *see* Kuhlmann, E. 9—89266
Mavis, D.G. *see* Ventura, E. 9—63650
Mavko, G.M. *see* Stuart, W.D. 9—84144
Mavlonov, Sh. *see* Khuseinov, B. 9—86910
Mavraganis, A.G. The stability of the stationary solution in the planar magnetic-binary problem 9—75080
Mavrin, B.N. *see* Denisov, V.N. 9—73953
Mavrin, O.I., Novikov, A.A. Solubility of gold in a solid solution of the system Ge-Si 9—86890
Mavrodiev, G., Tolev, M. Thermal dilatometric analysis of the alloys of the Cu-Sb system (10-50 wt.% Sb) 9—56954
Mavrodiev, S.Shch., Mitryushkin, V.K., Sissakyan, A.N., Torosyan, H.T. Many-component description of energy dependence of multiplicity distributions at high energies 9—80859
Mavromatis, H.A., Skouras, L.D. A study of ^{17}O 9—93530
Mavromatis, H.A. *see* Ayoub, N.Y. 9—75850
Mavroyannis, C. Resonance fluorescence spectrum of a three-level atom 9—54804
Mavroyannis, C. Theory of optical double resonance at high photon densities 9—68206
Mavroyannis, C. *see* Gumbs, G. 9—73303
Max, C.E. *see* Cohen, B.I. 9—68930
Maxey, D.V. *see* Christophorou, L.G. 9—76279
Maxia, V. *see* Aramu, F. 9—65936
Maximovitch, S., Levart, M., Fouletier, M., Nguyen, N., Bronoel, G. A study of positive electrode materials for batteries operating in a halide-aluminate medium 9—52923
Maxwell, A. *see* Dryer, M. 9—92734
Maxwell, C.J. QCD calculation of large p_T hadronic collision jet structure 9—75721
Maxwell, L.R., Sr., Bennett, L.H. Behavior of different nuclear probes for detection of cancer by nuclear magnetic resonance 9—62326
Maxwell, O.V. Neutron star cooling 9—101170
Maxwell, O.V., Brack, M., Weise, W. Pionic deuteron disintegration with the Paris potential 9—85510
Maxwell, O.V. *see* Friman, B.L. 9—97016
Maxwell, R.J., Burkhard, M.D. Larger ear replica for KEMAR manikin 9—70557
Maxwell Cowan, W., Hall, Z.W., Kandel, E.R. *(editor)* Annual review of neuroscience 9—96540
May, A.D. *see* Kruger, A.J. 9—52990
May, B.T., Hron, F. Synthetic seismic sections of typical petroleum traps 9—53311
May, B.T., Straley, D.K. Higher-order moveout spectra 9—92501
May, D.N. Freeway noise and high-rise balconies 9—50504
May, D.P. *see* Cossairt, J.D. 9—49579
May, E.N. *see* Nelson, C.A., Jr. 9—63486
May, G.J. The influence of barium and titanium dopants on the ionic conductivity and phase composition of sodium-beta-alumina 9—65242
May, G.J., Henderson, C.M.B. Thermal expansion behaviour of sodium-beta-alumina 9—55910
May, G.P.van der *see* van der May, G.P.
May, I.Le *see* Le May, I.
May, J. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
May, J. *see* Groot, J.G.H. 9—93395
May, J.G. *see* McAfee, R.D. 9—53191
May, M. (K,π) reaction at Brookhaven 9—85560
May, M. *see* Dzialowski, Y. 9—85118
May, M. *see* Jonathan, J.M.C. 9—55196
May, M.P. *see* Kerns, Q.A. 9—68058
May, R. *see* Stockel, P. 9—53038
May, R.S., Hagan, W.K. Statistical analysis of interacting coolant channels 9—59137
May, V., Henneberger, K., Henneberger, F. Renormalization of polaritons due to virtual formation of biexcitons at high densities of excitation 9—99490
May, W.E. Lord Kelvin and his compass 9—58759
Maya, J. Quantum efficiency of fluorescence excited by photodissociation in metal halide vapors and applications 9—81421
Mayanna, S.M. *see* Rudresh, H.B. 9—96223
Mayaud, P.N. Morphology of the transient irregular variations of the terrestrial magnetic field, and their main statistical laws 9—66606
Maydan, D., Shepp, L.A., Cho, Z.H. A new design for high speed computerized tomography 9—66544
Maydet, S.I., Russell, K.C. Numerical simulation of void nucleation in irradiated metals 9—73208
Mayer, A.E., Lightowlers, E.C. Bound-exciton luminescence and absorption in phosphorus-doped germanium 9—87469
Mayer, A.E., Lightowlers, E.C. Accurate determination of the exciton energy gap and the LA and LO momentum-conserving phonon energies in germanium 9—90965
Mayer, B. Nova in NGC 5272 9—71050
Mayer, B., Liller, M., Liller, W. 'Novalike object' in NGC 5272 9—75224
Mayer, B. *see* Bertini, R. 9—63623, 9—85565
Mayer, D.A., Hansen, D.V., Ortman, D.A. Long-term current and temperature observations on the Middle Atlantic Shelf 9—70806
Mayer, D.H. Spectral properties of certain composition operators arising in statistical mechanics 9—80496
Mayer, D.H., Viswanathan, K.S. A note on the vacuum structure of an SU(2) Yang-Mills theory 9—71588
Mayer, E. *see* Hernandez, E. 9—57380
Mayer, E. *see* Sanger, P.A. 9—54144
Mayer, G.J. Observation of thermal carrier generation in buried channel charge coupled devices 9—56313
Mayer, H. Reply to comments on 'Size and temperature dependences of the resistivity of thin alkali metal wires at liquid nitrogen, hydrogen and helium temperatures' 9—51692
Mayer, H. *see* Effenberger, H. 9—55709
Mayer, H.W., Bhatt, Y.C., Schubert, K. Crystal structure of Pd_2PbBi and Pb_4PbBi_3 9—94963
Mayer, I., Hargittai, I. On the structural differences between trifluoromethyl sulphonyl chloride (CF_3SO_2Cl) and methane sulphonyl chloride (CH_3SO_2Cl) 9—81295
Mayer, I. *see* Mathew, M. 9—60332
Mayer, J., Gebicki, J.L., Kroh, J. Microsecond observation of electron solvation in n-propanol-3-methylpentane mixtures at low temperatures 9—66321
Mayer, J.W., Nicolet, M.-A., Chu, W.K. Backscattering analysis with MeV ^4He ions 9—96408
Mayer, J.W. *see* Golecki, I. 9—69378, 9—77952
Mayer, J.W. *see* Kennedy, E.F. 9—51152, 9—69134
Mayer, J.W. *see* Lau, S.S. 9—69374, 9—70084
Mayer, J.W. *see* Liau, Z.L. 9—51438, 9—69147, 9—70364, 9—78806
Mayer, J.W. *see* Tsaur, B.Y. 9—69143, 9—90682
Mayer, K.H. *see* Erle, D. 9—96289
Mayer, M. The program DRAUS on the three dimensional calculation of networks 9—84090
Mayer, M.E. *see* Kovacich, M. 9—63127
Mayer, M.J. *see* Switkes, E. 9—53137
Mayer, N., Niesel, K. Abrasion test of inorganic nonmetallic building materials having a rough surface using a pneumatic apparatus for measuring thickness 9—52553
Mayer, R. *see* Arnolds, G. 9—72009
Mayer, R.M. *see* Hofmeyr, C. 9—50951
Mayer, U. *see* Auweter, H. 9—83032
Mayer, W.G. *see* Brower, N.G. 9—82429
Mayer-Boricke, C. *see* Alderliesten, C. 9—76005
Mayer-Boricke, C. *see* Oelert, W. 9—63679, 9—93509
Mayer-Boricke, C. *see* Paic, G. 9—76013
Mayer-Boricke, C. *see* Wiktor, S. 9—97719
Mayer-Rosa, D., Cadiot, B. A review of the 1356 Basel earthquake: basic data 9—84181
Mayers, J. *see* Watts, B.R. 9—60683, 9—82516
Mayes, B.W. *see* Hoftiezer, J.H. 9—85509
Mayes, B.W. *see* Pipin, G.P. 9—85316
Mayfield, J.K. *see* Erdman, A.G. 9—92274
Mayhew, J.E.W. *see* Kidd, A.L. 9—100617
Mayhew, M.A. *see* Wasilewski, P.J. 9—96748
Mayige, C. *see* Alvarez, E. 9—93945, 9—93951
Mayilvaelan, S. *see* Namasivayam, R. 9—81168
Mayinger, F. Visualisation of fluid dynamics and heat transfer in environmental and technical systems 9—86540
Maymon, G. Experimental determination of linear damping coefficients in elastic structures with geometric nonlinearity 9—50680
Maynadier, P. *see* Brostow, W. 9—90710
Maynard, C.M. *see* Bates, C.A. 9—99756
Maynard, C.W. *see* Cheng, E.T. 9—81086, 9—85803
Maynard, C.W. *see* Ragheb, M.M.H. 9—81088, 9—85794
Maynard, J.D. *see* Jelatis, G.J. 9—60570
Maynard, R. *see* Lasjaunias, J.C. 9—60769
Maynard, R. *see* Rammal, R. 9—60520
Mayne, G., Boulanger, Ph. Isotropic integro-differential models in linear viscoelasticity 9—80443
Mayne, G. *see* Boulanger, P. 9—81741
Mayne, H.R., Toennies, J.P. Quasiclassical cross sections for the $H+H_2\ (0,0)\rightarrow H+H_2$ reaction: comparison of the Siegbhan-Liu-Truhlar-Horowitz and the Porter-Karplus potential surfaces 9—74364
Mayo, A.P. Analytical method for the effects of the asteroid belt on planetary orbits 9—75082
Mayo, M. *see* Morgan, T.J. 9—89776
Mayo, S. *see* Myers, D.R. 9—69137
Mayo, S.E. *see* Glaros, S.S. 9—81079
Mayo, W.T., Jr. *see* Smart, A.E. 9—60082
Mayr, E. *see* Aulich, H. 9—50427
Mayr, H.G., Harris, I., Spencer, N.W. Some properties of upper atmosphere dynamics 9—75005
Mayr, H.G., Harris, I., Spencer, N.W., Hedin, A.E., Wharton, L.E., Porter, H.S., Walker, J.C.G., Carlson, H.C., Jr. Tides and the midnight temperature anomaly in the thermosphere 9—84556
Mayr, H.G. *see* Spencer, N.W. 9—84555
Mayr, M. *see* Drexler, W. 9—90141
Mayrargue, D.A. *see* Peinturier, P. 9—76110
Mays, C.W. *see* Beebe, G.W. 9—70589
Mays, C.W. *see* Lloyd, R.D. 9—100728
Mays, C.W. *see* Mole, R.H. 9—70588
Mays, D. *see* Grant, J.T. 9—83345
Mays, L.E. *see* McElligott, J.G. 9—74798
Maystre, D. *see* Loewen, E.G. 9—81525
Maystre, D. *see* Roger, A. 9—94149
Maystre, D. *see* Vincent, P. 9—75664
Mayton, R.L., Jr. ALARA impact on refueling and fuel handling activities 9—67914
Maza, J. Possible supernova in NGC 4902 9—88693
Maza, J. *see* Thompson, I. 9—53906
Mazaki, H. *see* Ishida, T. 9—57323, 9—95539
Mazaki, H. *see* Mukoyama, T. 9—89791
Mazaki, H. *see* Takabatake, T. 9—61007
Mazalov, Yu.P. *see* Pashchenko, A.V. 9—64169
Mazandarany, F.N., Lai, G.Y. Corrosion behavior of selected structural materials in a simulated steam-cycle high-temperature gas-cooled reactor helium environment 9—54495
Mazanec, K. *see* Galland, J. 9—91881
Mazanec, K. *see* Tvrdy, M. 9—79094

Mazannikov, A.A., Tyutekin, V.V. Efficiency and stability of autonomous active sound-suppression systems 9—64375
Mazarakis, M.G., Burke, R.J., Colton, E.P., Fenster, S., Moenich, J.S., Nikfarjam, D.K., Price, D.W., Sesol, N.Q., Watson, J.M. Transport experiments with neutralized and space charge dominated deneutralized 2 mA 80 keV Xe^{+1} beams 9—72133
Mazarakis, M.G. *see* Watson, J.M. 9—67970
Mazarskii, V.L. *see* Golovanov, L.B. 9—68111
Mazdiyasni, K.S. *see* Tai-il Mah 9—61549
Maze, R. *see* Le Tareau, J.Y. 9—62611
Mazeau, J. *see* Gresteau, F. 9—89616, 9—89617
Mazeh, T., Shaham, J. The orbital evolution of close triple systems: the binary eccentricity 9—88699
Mazeh, T. *see* Leibowitz, E.M. 9—67023, 9—101165
Mazen, S.A. *see* El-Mously, M.K. 9—73503
Mazenko, G.F. *see* Hirsch, J.E. 9—71379
Mazet, R. On the determination of the constants on which depends the 'memory' of a heteroplastic material solicited beyond its elastic limit 9—81733
Mazets, E.P., Golenetskii, S.V., Il'inskii, V.N., Panov, V.N., Aptekar', R.L., Gur'yan, Yu.A., Sokolov, I.A., Sokolova, Z.Ya., Kharitonova, T.V. Observations of γ-ray bursts in the CONUS experiment on board of Venera 11 and Venera 12 space probes 9—58449
Mazets, E.P., Golenetskii, S.V., Il'inskii, V.N., Panov, V.N., Aptekar', R.L., Gur'yan, Yu.A., Sokolov, I.A., Sokolova, Z.Ya., Kharitonova, T.V. A flaring X-ray pulsar in Dorado 9—88765
Mazets, E.P., Golenetskii, S.V., Il'inskii, V.N., Panov, V.N., Aptekar', R.L., Gur'yan, Yu.A., Sokolov, I.A., Sokolova, Z.Ya., Kharitonova, T.V. On the distribution of the gamma-ray burst sources over the celestial sphere 9—88766
Mazets, E.P. *see* Gur'yan, Yu.A. 9—97480
Mazets, T.F. *see* Kolomiets, B.T. 9—61455
Mazhenov, N.A. A four-mode type of IR-spectra in solid solutions of the system $NaPO_3$-$NaAsO_3$ 9—51942
Maziasz, P.J. The formation of diamond-cubic eta (η) phase in type 316 stainless steel exposed to thermal aging or irradiated environments 9—99249
Mazid, M.A. *see* Leadbetter, A.J. 9—55732, 9—77502, 9—86780, 9—94896
Maziere, B., Kuntz, D., Comar, D., Ryckewaert, A. In vivo analysis of bone calcium by local neutron activation of the hand: results in normal and osteoporotic subjects 9—83902
Maziere, M. *see* Comar, D. 9—83730
Maziere, M. *see* Crouzel, C. 9—57775
Maziewski, A. *see* Szymczak, R. 9—99739
Mazighi, R., Hansen, J.P. Elementary excitation spectrum of a strongly coupled charged Bose gas 9—58631
Mazilu, D. *see* Poenaru, D.N. 9—80869
Mazin, E.R. *see* Zakharova, K.P. 9—71920
Mazin, I.I. *see* Dolgov, O.V. 9—99286
Mazin, M.A. *see* Fursenko, V.D. 9—67452
Mazitov, B.S. *see* Arifov, L.Ya. 9—75814
Mazkarov, S.A. 4π-ionization chambers in the radioactive isotope production 9—85869
Mazmanishvili, A.S. Effect of phase volume of the beam on the angular distribution of synchrotron radiation 9—76563
Mazo, R.M. *see* Andersen, G.R. 9—90593
Mazor, E. Noble gases in a section across the vapor dominated geothermal field of Larderello, Italy 9—74919
Mazuer, J., Aubert, A., Spitz, J. Superconducting niobium carbonitrides 9—73618
Mazuer, J. *see* Brunet, Y. 9—61018, 9—73648
Mazumdar, P., Juretschke, H.J. Oscillatory metallic field effect and surface magnetoelasticity in thin ferromagnetic films 9—56282
Mazumdar, P., Juretschke, H.J. Magnetoresistive determination of the anisotropy energy and its strain dependence in thin Permalloy films 9—56575
Mazumdar, P., Juretschke, H.J. Magnetoconductivity modulation of thin ferromagnetic films by substrate electrostriction 9—60908
Mazumdar, S. *see* Soos, Z.G. 9—73473, 9—95565
Mazumder, B.S. Dispersion of solutes in combined free and forced convective flow through a channel 9—98801
Mazur, A. *see* Krawiarz, J. 9—73766
Mazur, A.I., Dyban, E.P., Golovanov, V.P., Davydenko, I.G. Local heat exchange in an impact jets system with unilateral flow outlet 9—64730
Mazur, A.I. *see* Mtskeradze, G.Sh. 9—50254
Mazur, E.A. Quantum oscillations of the photocurrent due to the relaxation of photoelectronic energies via acoustic phonons 9—73546
Mazur, E.A. Spectral oscillations of the photocurrent in a quantizing magnetic field in the presence of nonequilibrium photoelectrons and energy relaxation by interaction with acoustic phonons 9—91100
Mazur, E.A. Cyclotron-phonon resonance due to the polarization scattering from a pair of acoustic phonons in piezoelectric and nonpiezoelectric semiconductors 9—95649
Mazur, P.O. *see* Carroll, A.S. 9—63511
Mazur, P.O. *see* Cox, B. 9—68084
Mazur, V.A. *see* Sokolova, V.M. 9—87998
Mazur, V.I., Mikhailichenko, E.N., Taran, Yu.N. Stereomorphology of the zinc-germanium eutectic 9—52187
Mazur, V.I. *see* Yartsev, K.K. 9—78996
Mazure, A., Goldbach, C., Nollez, G. MMM profiles of HeI lines: ion dynamics effect 9—82049
Mazurenko, E.A. *see* Gerasimchuk, A.I. 9—59358
Mazurenko, Yu.T., Smirnov, V.A. Stochastic description of electronic-vibrational spectra of complex molecules. I. General relations and case of exponential relaxation of nuclear system 9—50004
Mazurenko, Yu.T., Smirnov, V.A. A stochastic model for vibronic spectra and the luminescence kinetics of polyatomic molecules 9—54881
Mazurenko, Yu.T., Udaltsov, V.S. Spectral relaxations of fluorescence. II. Ternary solutions 9—65920
Mazurenko, Yu.T., Udal'tsov, V.S. Spectral relaxations of fluorescence. III. Kinetics of the spectra of polar solutions with distributed dielectric relaxation time 9—78737
Mazurenko, Yu.T. *see* Rubinov, Yu.A. 9—68407
Mazurier, P.A., Maneglier-Lacordaire, S., Chemard, G., Jaulmes, S. Crystal structure of gallium sulphotelluride Ga_2S_2Te 9—60316
Mazurin, O.V. *see* Leko, V.K. 9—94912
Mazurkewicz, J. *see* Baiburina, S.G. 9—80156, 9—80170
Mazurkewitz, W. *see* Cappeller, U. 9—94015
Mazurkiewicz, M. *see* Heinrich, G. 9—87843
Mazurkiewicz, M. *see* Nickel, H. 9—87924
Mazurkiewicz, M. *see* Vukanovic, V.M. 9—54196
Mazurov, V.A. *see* Zakharov, A.M. 9—52167
Mazuruk, K. A modification of the Thomas-Fermi method 9—85899
Mazza, F. *see* Bianchi, G. 9—66199
Mazza, G. *see* Lanzano, G. 9—93638
Mazzanti, P., Serra, R., Cannata, F. A comment on proton electric polarizability 9—49524
Mazzega, E. *see* Mantovani, S. 9—82548
Mazzei, P. *see* Mastrullo, R. 9—94473
Mazzeo, N.J. *see* Cohen, M.S. 9—78466
Mazzeo, N.J. *see* Kryder, M.N. 9—82843
Mazzitelli, G. *see* Ascoli-Bartoli, U. 9—60170
Mazzitelli, I. *see* D'Antona, F. 9—62824
Mazzola, C.J., Birdwell, J.D., Athans, M. On the application of modern control theory to improving the fidelity of an underwater projector 9—98549
Mazzoldi, P. Flux peaking. Lattice location 9—95062
Mazzoldi, P. *see* Della Mea, G. 9—69163
Mazzoldi, P. *see* Lo Russo, S. 9—74261
Mazzone, A.M. *see* Finetti, M. 9—78095
Mazzone, H.M. *see* Camosci, D.A. 9—74593
Mazzoni, M., Joshi, Y.N. A new autoionized series in atomic antimony 9—85937
Mazzoni, M. *see* Cantu, A.M. 9—49973
Mazzucato, E., Bassalleck, B., Hasinoff, M.D., Marks, T., Salomon, M. Observation of 2γ and 2e emission in nuclear pion capture 9—85525
Mazzucato, E. *see* Ascoli-Bartoli, U. 9—60170
Mazzucato, E. *see* Coppi, B. 9—68906
Mazzucato, M., Pennington, M.R., Armenteros, R., Dionisi, C., Gavillet, P., Gurtu, A., Kluyver, J.C., Wolters, G.F., Van De Walle, R.T., Vergeest, J.S.M., Zralek, M., Foster, B., McDowell, W.L., Wells, J. SU(3) implications of the observation of the A_1 and C mesons 9—89148
Mazzucato, M. *see* Barone, L.M. 9—80835
Mazzucato, M. *see* Gurtu, A. 9—49517
Mazzucato, M. *see* Irving, A.C. 9—93458
Mazzucotelli, A. *see* Ottonello, G. 9—62488
Mbom Abane, S. Calculation of Oseen flows past a circular cylinder at low Reynolds numbers 9—77117
Mdivani, V.N. *see* Alferov, Zh.I. 9—89910
Mea, G.Della *see* Della Mea, G.
Meaburn, J. Faint, nebulous filaments, 2000 pc diameter, around the 30 Doradus nebula 9—67076
Meaburn, J. *see* Canto, J. 9—67081
Mead, A.P. *see* Williams, D.R. 9—87910
Mead, C.A. The 'noncrossing' rule for electronic potential energy surfaces: the role of time-reversal invariance 9—54929
Mead, C.A., Truhlar, D.G. On the determination of Born-Oppenheimer nuclear motion wave functions including complications due to conical intersections and identical nuclei 9—54932
Mead, C.N., Moore, S.M., Clark, K.W., Spenner, B.F., Thomas, L.J. A detection algorithm for multiform premature ventricular contractions 9—66572
Mead, C.N., Moore, S.M., Spenner, B.F., Hitchens, R.E., Clark, K.W., Thomas, L.J., Jr. Detection of multiform PVCs using a combination of time-domain and frequency-domain information 9—70674
Mead, C.N., Ritter, J.A., Moore, S.M., Potter, S.J., Clark, K.W., Thomas, L.J., Jr. Argus algorithm development [ECG analysis] 9—70680
Mead, C.N. *see* Clark, K.W. 9—70679
Mead, C.W. *see* Ingels, N.B., Jr. 9—62358
Mead, D.G. *see* Chandrasekhar, H.R. 9—65873
Mead, D.G. *see* Irwin, J.C. 9—69210
Mead, W.T., Porter, R.S. Formation properties of solid-state extruded high density polyethylene fibers 9—70035
Mead, W.T., Porter, R.S. The influence of initial morphology on the physical and mechanical properties of extruded high density polyethylene fibers 9—83235
Mead, W.T., Porter, R.S., Reed, P.E. Deformation of poly(dienes) below T_g. I. Radical formation and crazing in cross-linked poly(dienes) 9—52307
Meade, R.H. *see* Curtis, W.F. 9—84313
Meador, W.E., Weaver, W.R. Diffusion approximation for large absorption in radiative transfer 9—63170
Meadowcroft, D.B. *see* Holmes, D.R. 9—83342
Meadows, D.N., Wiley, P.H., Gray, F.G., Manus, E.A., Santago, P., Marshall, R.E., Bostian, C.W., Stutzman, W.L. A microprocessor-based experiment controller/interface 9—80590
Meadows, M.R., Scheibner, B.A., Mockler, R.C., O'Sullivan, W.J. Critical phenomena in fluid films: critical-temperature-shift, crossover-temperature, and coexistence-curve-amplitude exponents, and a fluid-boundary interaction 9—90788
Meadows, M.R. *see* Scheibner, B.A. 9—90787
Meads, P.F., Jr. Improved analytic starting points for beam matching problems to be solved on digital computers 9—72163
Meagher, T. *see* Gregg, M. 9—58104
Meakin, J.D. Progress in the development of a high efficiency thin film polycrystalline solar cell based on CdS 9—61993
Meakin, P. *see* Glasgow, L.C. 9—62551
Meakin, P. *see* Jesson, J.P. 9—53496, 9—53497
Meakin, P. *see* Miller, C. 9—70831
Meakins, R.L., Dickson, B.L., Kelly, J.C. Gamma ray analysis of K, U and Th for dose-rate estimation in thermoluminescent dating 9—79333
Means, J.L., Crerar, D.A., Borcsik, M.P., Duguid, J.O. Adsorption of Co and selected actinides by Mn and Fe oxides in soils and sediments 9—66422
Mearns, A.J. *see* Hitchen, M. 9—66576
Measday, D.F. *see* Hasinoff, M.D. 9—76034
Measures, R.M., Drewell, N., Cardinal, P. Laser interaction based on resonance saturation (LIBORS): an alternative to inverse bremsstrahlung for coupling laser energy into a plasma 9—77408
Measures, R.M., Drewell, N., Cardinal, P. Electron- and ion-beam transportation channel formation by laser ionization based on resonance saturation—LIBORS 9—77410
Meath, W.J. *see* Ng, K.C. 9—89730
Meath, W.J. *see* Thomas, G.F. 9—59662
Meaudre, M., Meaudre, R. Low electric field Poole-Frenkel effect in RF sputtered SiO_2 films 9—95536
Meaudre, M., Meaudre, R., Deguin, A. Use of a small-voltage electrical response to measure sodium motion in RE sputtered SiO_2 films 9—90822
Meaudre, M. *see* Meaudre, R. 9—73525
Meaudre, R., Meaudre, M. Transient and alternating currents in insulators or semiconductors: influence of deep traps 9—73525
Meaudre, R. *see* Meaudre, M. 9—90822, 9—95536
Meban, C. Surface dilatational viscosity of pulmonary surfactant films 9—62278
Mebel', V.S. *see* Vydrin, V.N. 9—100195
Mebkhout, M. *see* Loupias, G. 9—75439
Mebold, U., Goss, W.M., van Woerden, H. The kinematics of the lenticular galaxies NGC 1291 and NGC 1326 from 21 cm line observations 9—53908
Mebold, U. *see* Hawarden, T.G. 9—80348
Mebold, U. *see* Longmore, A.J. 9—71127
Meca, F. *see* Jonscher, A.K. 9—56718
Mecea, V., Bucur, R.V. The mechanism of the interaction of thin films with resonating quartz crystal substrates: the energy transfer model 9—88914
Mecha, J. *see* Schaeffer, H.A. 9—99359
Mechlinska-Drewko, J. *see* Roznerski, W. 9—50840
Mecholsky, J.J. Fracture of ceramics by single-pulse 10.6 μm irradiation 9—99988
Mecholsky, J.J. *see* Freiman, S.W. 9—79083
Mecholsky, J.J. *see* McKinney, K.R. 9—99462
Mechtersheimer, G., Buche, G., Klein, U., Kluge, W., Matthay, H., Munchmeyer, D., Moline, A. Energy spectra of charged particles emitted following the absorption of stopped negative pions in ^{12}C nuclei 9—93666
Meckbach, R. *see* Becker, W. 9—58910
Mecking, B. *see* Arends, J. 9—75971

Mecking, H. Deformation of single crystals 9—87651
Mecking, H. *see* Honneff, H. 9—90664
Mecking, H. *see* Karduck, P. 9—90667
Mecredy, H.E. *see* Eliezer, Z. 9—61743
Medalia, A.I. *see* Gessler, A.M. 9—83171
Medeiros, J.A. Is there the element 114? [The search for superheavy elements in nature] 9—55019
Medeiros, L.A. On a new class of nonlinear wave equations 9—75353
Medeksha, G.G., Zhitkyavichene, V.P. Apparatus for long-term cyclic strength tests 9—52521
Medeksha, G.G., Zhitkyavichene, V.P. Study of long-term cyclic strength under soft asymmetric and rigid loading 9—57076
Medenbach, K. *see* Medenbach, O. 9—94852
Medenbach, O., Weinreich, H., Medenbach, K. The demonstration of interference figures of crystals with the projection hemisphere according to Quirke 9—94852
Medgyes, B. Radiation reflection computations in analytic geometric way 9—81355
Medgyest-Mitschang, L.N., Eftimiu, C. Scattering from axisymmetric obstacles embedded in axisymmetric dielectrics: the method of moments solution 9—72460
Medhekar, A.K., Rokni, M., Trainor, D.W., Jacob, J.H. Surface catalyzed reaction of $Hg+Cl_2$ 9—100430
Medhi, O.K., Agarwala, U. Mossbauer studies on some europium(III) β-diketonate complexes 9—61286
Medicus, G. Thermionic constants determined from retarding-field data 9—87555
Medicus, H.A. *see* Strassner, G. 9—89280
Medin, S.A. *see* Isakova, N.P. 9—55567
Medina, E.G. *see* Phillips, J.R. 9—89522
Medina, F.D., Daniels, W.B. Raman spectrum of phase III of solid CH_4 in the lattice and intramolecular regions 9—65849
Medina, R. *see* Fernandez, J.F. 9—73751
Medinnis, M. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Medinnis, M. *see* Erhan, S. 9—49550
Medley, S. *see* Eubank, H. 9—82074
Medovikov, A.S. *see* Prilepin, M.T. 9—80057
Medress, M.F., Derr, M.A., Diller, T.C., Kloker, D.R., Lutton, L.L., Oredson, H.N., Siebenand, J.F., Skinner, T.E. Word spotting in conversational speech 9—64424
Medsker, L.R. *see* Clements, J.S. 9—89223
Medved, D.B. Hybrid optoelectronic modules for OEM fiber optic data systems 9—86259
Medved, N.V. *see* Gnatovskii, A.V. 9—89950
Medvedev, A.F. *see* Didenko, A.N. 9—86121
Medvedev, A.I., Ter-Nersesyants, V.E., Uchevatkin, I.F., Shestopalova, S.A. Improved spectrum of internal conversion electrons from ^{172}Lu 9—75906
Medvedev, A.I., Ter-Nersesyants, V.E., Uchevatkin, I.F., Shestopalova, S.A. Refinement of the energies of a series of 'internal references' of neutron deficient isotopes of leutecium 9—75908
Medvedev, A.V. *see* Evsyukov, F.F. 9—66247
Medvedev, B.A. *see* Dmitriev, A.E. 9—76755
Medvedev, E.M. *see* Verlin, B.I. 9—57807
Medvedev, E.S. Collisionless dissociation of SF_6 in an intense IR field 9—87858
Medvedev, E.S., Osherov, V.I. Light absorption in collinear collisions at atoms with diatomic molecules 9—76486
Medvedev, E.Yu., Suetin, V.P. Thermostatically controlled resonant cell for the investigation of nuclear magnetic resonance 9—93181
Medvedev, M.V. Short-range magnetic order in a spin glass with nearest-neighbour random exchange bonds 9—51791
Medvedev, N.N. *see* Dolganev, Yu.G. 9—93097
Medvedev, R.N., Solov'ev, N.A. Determination of the electron temperature of a laser plasma from continuous recombination radiation of multiply charged ions 9—64924
Medvedev, V.I. *see* Kravtsov, A.V. 9—76026
Medvedev, V.N. Influence of an external electric field on the electronic-vibrational spectrum of parity-forbidden transitions in CaF_2-Co^{2+} and CdF_2-Co^{2+} crystals 9—65905
Medvedev, V.N. Effect of an external electric field on the spectra of CaF_2-Co^{2+} induced by odd vibrations 9—73973
Medvedev, Yu.A., Mikhailov, M.V., Stepanov, B.M., Chekov, G.N. Quasistationary effects in a conductor in a time-varying electrically active medium 9—64148
Medvedev, Yu.A., Morozov, N.N., Stepanov, B.M. Microwave measurements of ionizing radiation exposure rate 9—97908
Medvedev, Yu.A., Stepanov, B.M., Fedorovich, G.V., Feoktistov, L.P. Disturbance of the geoelectric field through ionization of air by a pulsed source of gamma radiation 9—70852
Medvedev, Yu.V. *see* Akhmanaev, V.B. 9—67264
Medvedev, Yu.V. *see* Anisimov, S.I. 9—77353
Medvedev, Yu.V. *see* Ivanchenko, Yu.M. 9—99662
Medvedeva, G.V. *see* Likhachev, V.A. 9—61650
Medvedovskaya, E.I. *see* Verenkova, E.M. 9—79151
Medvedovskii, A.B. *see* Manokhin, A.I. 9—100090
Medvedskaya, E.A. *see* Demishev, A.G. 9—88941
Medyantseva, L.L. *see* Leonov, V.V. 9—97348
Medzhidov, A.B. *see* Tagiev, B.G. 9—51517
Medzhidov, R.A. *see* Rasulov, S.M. 9—60523
Medzhitova, Z.A. Study of the space-time distribution of the velocity ratio V_P/V_S in the Chuyskiy Depression and its mountain framework 9—74853
Meek, C.C., Doerner, R.C., Hurt, R.F. Use of temperature variance to detect sodium boiling 9—54527
Meek, C.C. *see* Doerner, R.C. 9—93779
Meek, C.E., Manson, A.H., Gregory, J.B. Internal consistency analyses for partial and total reflection drifts data 9—53539
Meek, C.E. *see* Manson, A.H. 9—53464
Meek, C.E. *see* Stening, R.J. 9—79935
Meek, J.W. *(translator)* Mechanics of vibration 9—80439
Meeks, E.L. *see* Covington, D.W. 9—91167
Meema, H.E., Meema, S. Compact bone mineral density of the normal human radius 9—74739
Meema, S. *see* Meema, H.E. 9—74739
Meena, B.K., Nath, G. Laminar boundary layer swirling flow with heat and mass transfer in conical nozzles and diffusers 9—81842
Meentemeyer, V. *see* Yarbrough, J.W., Jr. 9—79957
Meer, B.W.van der *see* van der Meer, B.W.
Meer, B.W.Van Der *see* Van Der Meer, B.W.
Meer, R.van der *see* van der Meer, R.
Meer, S.van der *see* van der Meer, S.
Meerbaum, S. *see* Hestenes, J.D. 9—70599
Meerman, W.C.P.M., Knaapen, A.C. A high-pressure triaxial testing cell 9—74329
Meerschaut, A., Guemas, L., Berger, R., Rouxel, J. The crystal structure of niobium selenide Nb_2Se_9 from twin-crystal data 9—90599
Meerschaut, A., Rouxel, J., Haen, P., Monceau, P., Nunez-Regueiro, M. Obtention of a new phase of the one-dimensional compound TaS_3: X-ray characterization and electrical measurements 9—51086
Meerson, E.E. *see* Gritsenko, V.A. 9—56320
Meerts, W.L., Ozier, I., Dymanus, A. The molecular beam electric resonance spectrum of OPF_3 9—94011
Meerwall, E.D.von *see* von Meerwall, E.D.
Meessen, A. *see* Chauvaux, R. 9—78774
Meester, G.T., Zeelenberg, C., Mey, S.H., Hoare, M.R. Five years of computer assisted cardiac catheterization 9—70695
Meester, G.T. *see* Brower, R.W. 9—62359
Meester, G.T. *see* Reiber, J.H.C. 9—70629
Meeten, G.H. *see* Champion, J.V. 9—92012
Meeten, G.H. *see* Dandridge, A. 9—81834
Meeus, J. Variations of artificial satellite orbits 9—58240
Meeus, J. Astronomical formulae for calculators 9—88571
Meeuwis, A. *see* Jansen, H.B. 9—50045
Megaloudis, G. *see* Widom, A. 9—99379
Megen, W.van *see* van Megen, W.
Megen, W.Van *see* Van Megen, W.
Meger, R.A. *see* Sethian, J.D. 9—76167
Meger, R.A. *see* Striffler, C.D. 9—72020
Meggitt, G.C. 14 MeV neutron activation analysis using short-lived products 9—87908
Meggl, F., Penning, U. Internal pulse-code modulation of a 0.6328 μm He-Ne laser at 150 Mbit s^{-1} 9—76725
Meglicki, Z. *see* Krolak, A. 9—62855
Megn, A.V. *see* Braude, S.Ya. 9—97091, 9—97092
Megnamisi-Belombe, M. Crystal and molecular structure of the linear metal-chain semiconductor bis(1,2-benzoquinonedioximato)platinum(II), $Pt(bqd)_2$ 9—60327
Megrabov, A.G. Determining a set of point sources 9—88816
Megrabyan, G.K. *see* Aleksanyan, A.S. 9—68133
Megreditchian, G. Statistical study of the evolution of the total ozone field 9—84358
Meguid, S.A., Malvern, L.E., Campbell, J.D. Plastic flow of mild steel under proportional and non-proportional straining at a controlled rate 9—57084
Megusar, J., Argon, A.S., Grant, N.J. Plastic flow and fracture in $Pd_{80}Si_{20}$ near T_g 9—57057
Megy, J. Past and present role of fast reactors. Survey of National reports SM-225/73-79 9—97896
Megy, J. *see* Benmergui, A. 9—97798
Mehan, R.L. *see* Coppa, A.P. 9—75673
Mehandjiev, D. *see* Zapryanova, A. 9—57305
Mehbod, M. *see* Audenaert, M. 9—73606
Mehler, E.L., Paul, C.H. Small Gaussian basis sets for ab initio calculations on large molecules 9—59341
Mehlkopf, A.F. Requirements, design and specifications of a multipurpose 7 tesla NMR-system 9—97411
Mehlman, G. *see* Ederer, D.L. 9—72262
Mehlman, G. *see* Lucatorto, T.B. 9—98454
Mehltretter, J.P. On thermal-optical distortions of glass disks 9—72640
Mehltretter, J.P. *see* Schmidt, W. 9—66971
Mehner, A.S., Ploger, S.A., Quapp, W.J., Hobbins, R.R. Fission gas effects in irradiated fuel rods operated in film boiling at high power 9—49744
Mehner, A.S. *see* Appelhans, T.D. 9—54536
Mehner, A.S. *see* Domenico, W.F. 9—89445
Mehra, R.M., Shyam, R., Mathur, P.C. Negative magnetoresistance of an amorphous Se-Te-Ge sample 9—51603
Mehra, R.M., Shyam, R., Mathur, P.C. Off-state thermal switching in amorphous Se-Te-Ge system 9—65524
Mehra, R.M., Shyam, R., Mathur, P.C. Electrical transport in bulk amorphous Se, Se-Te, Se-Sb, and Se-Te-Ge 9—95406
Mehrabian, R., Kou, S., Hsu, S.C., Munitz, A. Laser surface melting and subsequent solidification 9—69916
Mehrabian, R. *see* Hong, S. 9—81685
Mehren, F. *see* Glinsky, H.W. 9—97866
Mehrer, H. *see* Maier, K. 9—86919
Mehring, M. *see* Deininghaus, U. 9—99785
Mehring, M. *see* Suwelack, D. 9—61266
Mehrotra, C., Agnihotri, R.C., Gupta, V.D. Pressure phase transition in a macromolecular system. Polyethylene 9—77745
Mehrotra, G.M. *see* Ravindar, P. 9—57287
Mehrotra, K. *see* Sharma, S.D. 9—69044
Mehrotra, K.N., Dixit, J.P. Debye-Waller factors of platinum and lead 9—99288
Mehrotra, P.N. *see* Rama Mohan Rao, C. 9—52744
Mehrotra, R., Dahm, A.J. Linewidths of resonances in a two-dimensional Wigner lattice on a liquid-helium surface 9—86949
Mehrotra, R., Mann, E.K., Dahm, A.J. A study of neutral excitation currents in liquid helium 9—55953
Mehrotra, R., Mann, E.K., Dahm, A.J. A study of the neutral excitation current in liquid ^4He above 1K 9—86940
Mehrotra, R.K. *see* Saini, J.S. 9—62136
Mehrotra, S. *see* Noponen, I. 9—79743
Mehrotra, S.C. *see* Davis, S.L. 9—94057
Mehrotra, S.N., Tolpadi, S. Crystal equilibrium and the electronic contribution to the elastic constants of potassium and rubidium 9—73243
Mehta, B.S., DiBenedetto, A.T., Kardos, J.L. Diffusion and [permeation of gases in fiber-reinforced composites 9—55934
Mehta, C.H. *see* Kanavi, S.C. 9—63956, 9—93952
Mehta, G.D. *see* Fraser, M.D. 9—52916
Mehta, G.D. *see* Loeb, S. 9—83509
Mehta, G.N., Sastry, T.P. Study of corrosion behaviour of mild steel in benzoate solutions 9—79180
Mehta, M.L. *see* des Cloizeaux, J. 9—81313
Mehta, P.C., Bhan, C., Hradaynath, R. Multiple imaging by lensless Fourier transform holography 9—81389
Mehta, P.C., Bhan, C., Lal, P., Mohan, D. White light multiplexed holograms of 3D objects 9—81387
Mehta, P.C., Hradaynath, R. Frequency-modulated zone plate for coherent noise reduction 9—86134
Mehta, R., McDaniel, F.D., Duggan, J.L., Miller, P.D. K-shell ionization of elements $_{29}Cu$ to $_{37}Rb$ for 0.4-3.8-MeV/amu $_5{}^{10}B$-ion bombardment 9—59549
Mehta, R.C. Theoretical analysis of constricted electric arc by iteration method 9—90484
Mehta, R.V. *see* Shah, H.S. 9—81362
Mehta, S. *see* Zumwalt, L.R. 9—67898
Mehta, S.K., Sengupta, S. Luminescence and colour centres in Al_2O_3:Si,Ti 9—87501
Mehter, M. *see* Kornreich, P.G. 9—72516
Mei, W.N., Lee, Y.C. Bose-Einstein condensation and thermodynamic functions of ^4He film 9—82399
Mei, W.N. *see* Lee, Y.C. 9—60218
Mei Wen-yu A milli gaussmeter for weak AC magnetic field intensity measurements 9—71485
Mei-juan Gao *see* Gao Mei-juan
Mei-Shiang Chu *see* Chu Mei-Shiang
Meichle, M. *see* Salamon, M.B. 9—96025
Meidan, R. Reproducing-kernel Hilbert spaces of distributions and generalized stochastic processes 9—54059
Meier, D. *see* Kunzi, K.F. 9—84551
Meier, E. *see* Brodowski, J. 9—76155
Meier, F., Zurcher, P., Kaldis, E. Gd-doped EuO: Temperature dependence of the 4f-photoelectron spin polarization 9—78842
Meier, F. *see* Erbudak, M. 9—65978, 9—78831
Meier, F. *see* Zurcher, P. 9—74055, 9—78830, 9—87557
Meier, G. *see* Schad, H. 9—65639
Meier, G.E.A. *see* Grabitz, G. 9—86483
Meier, G.E.A. *see* Schildknecht, M. 9—50799
Meier, G.H. *see* Huang, T. 9—96200
Meier, P.F. Electron densities at muons in simple metals 9—56655
Meier, P.F., Hayes, E.F., Ellison, F.O. A diatomics-in-molecules (DIM) formalism for the reaction $AH^+ + A' \rightarrow A + A'H^+$: a ground state potential energy surface for collinear He_2H^+ 9—97996

Meier, P.F., Kundig, W., Ruegg, K. On the hyperfine fields at a positive muon in Gd and Dy 9—56662
Meier, P.F. *see* Boekema, C. 9—56674
Meier, P.F. *see* Hintermann, A. 9—56673
Meier, P.F. *see* Ruegg, K. 9—56666
Meier, R. Comet Meier (1979i) 9—92722
Meier, R.R. *see* Anderson, D.E., Jr. 9—75007, 9—80016
Meier, R.R. *see* Gentieu, E.P. 9—70904
Meier, W. Eddy-current testing of nonferromagnetic tubes 9—96257
Meier, W. *see* Monsler, M. 9—49862, 9—85772
Meier, W.M., Moeck, H.J. The topology of three-dimensional 4-connected nets: classification of zeolite framework types using coordination sequences 9—55718
Meier, W.R. Control of tritium breeding in the fluid-wall ICF reactor concept 9—85773
Meier, W.R. *see* Maniscalco, J.A. 9—71975
Meiere, F.T., Thatcher, F.C. Resolution of NMR images from the sensitive line method 9—93182
Meierovich, A.E. *see* Bashkin, E.P. 9—95240
Meiher, R.L. *see* Nak Sam Chung 9—61264
Meij, S.H., Prakash, O., v.d. Borden, B., Zeelenberg, C. Feedback control of ventilation in small infants 9—70710
Meijel, J.van *see* van Meijel, J.
Meijel, J.Van *see* Van Meijel, J.
Meijer, P.H.E. *see* Farrell, R.A. 9—80543
Meijer, R.J.de *see* de Meijer, R.J.
Meijer, R.J.De *see* De Meijer, R.J.
Meiklejohn, D. *see* Kazahaya, M. 9—68877
Meiklyar, P.V., Mirmil'shtein, M.D., Baranova, I.A. Hypersensitization of photographic layers by heating in relation to the conditions of production of the emulsions 9—58823
Meiklyar, V.P. *see* Abdulsabirov, R.Yu. 9—73856
Meiksin, Z.H. *see* Del Vecchio, R.M. 9—95520, 9—95521
Meilanov, R.P. *see* Enaleeva, N.K. 9—90979
Meiley, S.L. Optical, SEM and TEM study of transformed steel structures 9—87609
Meille, G. *see* Georges, J.M. 9—79120
Meilus, O. *see* Dudonis, J. 9—82483
Meindl, J.D. *see* Eaton, M.D. 9—57739
Meine, K.-H. *see* Becker-Platen, J.D. 9—84080
Meiners, L.G. Argon-implanted semi-insulating layer GaAs capacitors 9—56316
Meiners, L.G. Capacitance-voltage and surface photovoltage measurements of pyrolitically deposited SiO_2 on InP 9—60931
Meinhart, M. *see* Bruch, R. 9—59414
Meinhold, M. *see* Frey, U. 9—51894
Meinke, L. *see* Simpson, E.S.W. 9—66608
Meinken, G.E. *see* Klopper, J.F. 9—62411
Meinkohn, D. Criticality in exothermic chemical reactions: upper and lower bounds of the Frank-Kamenetzki parameter 9—66335
Meinunger, L. V794 Aquilae 9—92804
Meire, H.B. Diagnostic ultrasound 9—92307
Meire, H.B., Farrant, P. Pancreatic ultrasound—a systematic approach to scanning technique 9—74731
Meire, H.B. *see* Palframan, A. 9—100682
Meirovitch, E., Freed, J.H. Slow motional NMR lineshapes for very anisotropic diffusion I=1 nuclei 9—78533
Meirovitch, E., Luz, Z., Alexander, S. Magnetic instabilities of smectic C liquid crystals studied by electron spin resonance spectroscopy 9—82147
Meisel, D.D., Blazejewski, A.F. Search for worldwide solar eclipse perturbations of geomagnetic activity 1906-1976: lunar modulation of Ci revisited 9—100811
Meisel, E. *see* Ritze, H.-H. 9—55189
Meisel, G. *see* Ertmer, W. 9—89234
Meisel, G. *see* Jitschin, W. 9—72582
Meisel, L.V., Cote, P.J. Influence of electron mean free path on superconducting transition temperature 9—82702
Meiselman, H.J. Rheology of shape-transformed human red cells 9—62216
Meisels, G.G. *see* Weiss, M.J. 9—89707
Meisenheimer, R.G. *see* Fischer, J.W. 9—58846
Meiske, W. An approximate solution of the Michaelis-Menten mechanism for quasi-steady state and quasi-equilibrium 9—70511
Meisner, K. *see* Brown, B.C. 9—72047
Meisner, K. *see* Hojvat, C. 9—67971
Meisner, K.G., Griffin, J.E., Higgins, E.F., Jachim, S.P. A new low level RF system for the Fermilab booster 9—76205
Meisner, K.G. *see* Hojvat, C. 9—72102
Meisner, L.B. Calculation of the dispersion of the cubic nonlinear susceptibility of ionic crystals near the Raman resonance 9—94292
Meisner, L.B., Khadzhiiski, N.G. Nonlinear third-order susceptibility of ionic crystals near Raman and two-photon resonances 9—94282
Meiss, J.D. Integrability of multiple three-wave interactions 9—67168
Meissburger, J. *see* Hardt, A. 9—63257
Meissner, E. *see* Brandt, H.-W. 9—67647
Meissner, J. *see* Raible, T. 9—90209
Meissner, U. *see* Withum, D. 9—53370
Meister, G. Vapour bubble growth and recondensation in subcooled boiling flow 9—93692
Meixner, C.N. *see* Forster, S. 9—71970
Meizner, Ch.N. *see* Darvas, J. 9—76139
Mejai, M. *see* Nogues, M. 9—78374
Mejdahl, V. Thermoluminescence dating: beta-dose attenuation in quartz grains 9—75669
Mejia, R., Stephenson, J.L. Numerical solution of multinephron kidney equations 9—83822
Mejias Arias, P.M. *see* Gomez-Reino, C. 9—76611
Mekasut, L., Molinier, J., Angelino, H. Effects of surface-active agents on mass transfer inside drops 9—77218
Mekata, M. *see* Kubo, T. 9—51881
Mekhrabov, A.O.O. *see* Katsnel'son, A.A. 9—69058
Mekhryakova, N.G. *see* Batashev, S.P. 9—72610
Mekhtiev, A.Kh. *see* Aleksandrova, T.A. 9—60260
Mekhtiev, B.I. *see* Guliev, N.A. 9—49446
Mekhtiev, N.M., Rud', Yu.V., Salaev, E.Yu. Photoelectric analyzers of polarized light made of layer semiconductors 9—60873
Mekhtiev, R.F. *see* Magerramov, E.M. 9—51634
Mekhtiev, T.R. *see* Allakhverdiev, K.R. 9—91439
Mekhtieva, S.I. *see* Abosov, S.A. 9—52396
Mel, H.C. *see* Yee, J.P. 9—62208
Melamed, B.Ya. *see* Silant'ev, V.I. 9—90858
Melamedov, A.M., Kan, B.I., Shachnev, A.G., Votyakova, G.G. Heater for mechanical tests 9—87793
Melamud, M., Dariel, M.P., Shaked, H. A neutron diffraction study of $Ho_{12}Fe_{32}O_2$ 9—78319
Melamud, M., Hathaway, K., Cullen, J. Magnetic structure changes in amorphous $RE\text{-}Fe_2$ alloys as detected by ultrasonic measurements 9—99683
Melamud, M. *see* Atzmony, U. 9—99707
Melamud, M. *see* Hathaway, K. 9—73793
Melamud, M. *see* Pinto, H. 9—69059
Melander, A. Computer simulation of ductile fracture in a random distribution of voids 9—90723
Melandrone, G. *see* Cappellani, F. 9—62582
Melandrone, G. *see* Restelli, G. 9—84481
Melanson, R., Rochon, F.D. The molecular and crystal structure of $[Pt(diethylenetriamine)(guanosine)](ClO_4)_2$ 9—73157
Melard, L. *see* Brunet, P. 9—72052
Melchart, G. *see* Breskin, A. 9—49904
Melchart, G. *see* Charpak, G. 9—93871
Melcher, R.L. Elastic properties of a paramagnet: Application to $NdVO_4$ 9—60423
Melchert, F. Realization of the unit of voltage by means of the Josephson effect 9—71401
Melchior, H. Glass fibre communication: introductory review, status and development 9—89997
Melchiorri, F. *see* Fabbri, R. 9—62936
Melchner, M.J. *see* Sperling, G. 9—57641
Melde, G.F., Weber, J.W., Dutt, D.S. Fuel column stability in irradiated mixed-oxide fuel 9—67858
Mele, E.J., Joannopoulos, J.D. Surface-barrier formation for Al chemisorbed on GaAs(110) 9—51671
Mele, E.J., Joannopoulos, J.D. Double-dangling-bond defects and band bending at the GaAs (110) surface 9—69411
Mele, E.J., Ritsko, J.J. Fermi-level lowering and the core exciton spectrum of intercalated graphite 9—74036
Mele, E.J. *see* Joannopoulos, J.D. 9—95466
Melek, M. *see* Anderson, A.P. 9—100689
Melekh, B.T. *see* Pevtsov, A.B. 9—65929
Melekh, B.T. *see* Zherzdev, A.V. 9—73954
Melekhin, S.V. *see* Konenkov, N.V. 9—50915
Melekhov, P.V. *see* Zeiger, S.G. 9—64196
Melekhov, R.K. *see* Kurov, O.V. 9—52445
Melekhov, V.V. *see* Mostovaya, T.A. 9—97932
Melen, R.D. *see* Eaton, M.D. 9—57739
Melen, R.E., Salsburg, B., Yang, J. Vacuum control system for synchrotron radiation beam lines 9—68027
Melen, R.E. *see* Chao, A.W. 9—72208
Melendres, C.A., Tani, B. Mossbauer spectra and lattice parameters of some new sulfide phases of iron 9—78584
Melent'ev, I.V. *see* Manokhin, A.I. 9—100090
Meleshko, A.N., Shumovskii, A.S. A model of ferroelectric order in nonlinear crystals of prustite type (Ag_3AsS_3) 9—65807
Meleshko, E.A. *see* Gurevich, I.I. 9—91332
Meleshko, V.V. *see* Grinchenko, V.T. 9—86383
Meletov, K.P., Sheka, E.F. Phase aspects of excitons and luminescence in molecular crystals 9—56838
Melezhik, P.N. *see* Koshparenok, V.N. 9—72468
Melgard, R. *see* Wessman, R.A. 9—96400
Melibaev, M. *see* Labzovsky, L.N. 9—72231
Melichar, R., Landspersky, H., Urbanek, V. Characterization of intermediate products in the manufacture of uranium dioxide prepared by the sol-gel technique by means of the dissolution test 9—67921
Melik-Adamyan, V.R., Barynin, V.V., Gudkova, L.V., Mironenko, N.I., Degtyar', R.G. Preliminary crystallographic investigation and some properties of catalase from the fungus penicillium vitale pidopl. et bilai 9—66444
Melik-Akhnazarov, A.F. *see* Akopyan, A.R. 9—58691, 9—58693
Melik-Alaverdyan, Yu.K. *see* Kir'yan, V.V. 9—88652
Melikhov, I.V., Rudin, V.N. Mechanism of epitaxy of strontium and barium sulfates from aqueous solutions 9—56093
Melikhov, I.V., Tuzova, A.M., Rudnev, N.A., Rodionova, I.M. Formation mechanism of the double sulfide $Ag_4Ga_2S_5$ 9—87591
Melikian, G. *see* Biancardi, F.R. 9—52897
Melikov, A. *see* Kuzov, K. 9—98772
Melikov, G.I. *see* Akimov, Yu.K. 9—49525
Melikov, Yu.V. *see* Eremin, N.V. 9—49613
Melikyan, A.O., Saakyan, S.H. Exact theory of resonant generation of the third harmonic in gases 9—76763
Melikyan, A.O. *see* Kryzhanovsky, B.V. 9—59661
Melikyants, A.G., Batoyev, V.B. Effect of pH on permeability and mechanical properties of intercellular contacts of the epithelium of the small intestine 9—57613
Melin, A. *see* Albrow, M.G. 9—75805
Melin, G.M. *see* Turner, W.C. 9—86589
Meliss, M. Regenerative energy sources 9—87958
Melissinos, A.C. *see* McCal, D. 9—89154
Melissinos, A.C. *see* Reece, C. 9—89196
Melius, C.F., Blint, R.J. The potential energy surface of the HO_2 molecular system 9—74353
Melius, C.F. *see* Topiol, S. 9—68188
Mel'kanovich, A.F. Calculation of transient processes in a plane piezoelectric transducer 9—64480
Mel'kanovich, A.F., Arbit, I.I. Possible deviations of the transfer characteristics of piezoelectric transducers 9—98581
Mel'kanovich, A.F., Kushkulei, L.M. A multilayer electroacoustic transducer containing active layers 9—64482
Mel'kanovich, A.F. *see* Yanutsh, D.A. 9—58836
Mel'ker, A.I. Harmonic analysis of internal friction peak shapes 9—52284
Melkonyan, R.A. *see* Vinetskii, V.L. 9—65484
Melkov, G.A. *see* Krutsenko, I.V. 9—99694
Melkov, M.P. *see* Namakonov, B.V. 9—61522
Melkumov, G.L. *see* Astvatsaturov, R.G. 9—76259
Melkumyan, L.V. *see* Akopova, A.B. 9—97462
Mellema, J.E. *see* Schepman, A.M.H. 9—54235
Mellen, R.H., Browning, D.G., Simmons, V.P. Acoustic absorption by $MgCO_3{}^0$ ion-pair relaxation [Lake Tanganyika] 9—74914
Mellen, R.H., Simmons, V.P., Browning, D.G. Sound absorption in sea water: a third chemical relaxation 9—68466
Meller, R.E. High resolution digital time base 9—76215
Melling, A. *see* Born, G.V.R. 9—62329
Melling, A. *see* El Banhawy, Y. 9—52664
Melling, H., List, R. Acoustic Doppler sounding of falling snow 9—53467
Melling, H., List, R. Doppler velocity extraction from atmospheric acoustic echoes using a zero-crossing technique 9—53542
Mello Aires, M.de *see* de Mello Aires, M.
Mello Ceresa, E. *see* Corradi, A.R. 9—69698
Mellon, E.K. *see* Good, R. 9—49000
Mellor, G.L. *see* Dickey, T.D. 9—68682
Mellor, G.L. *see* Hsu, C.T. 9—83555
Melmed, A.J., Smit, J. Field-ion transmission microscopy 9—49341
Melmed, A.J. *see* Sakurai, T. 9—78850
Mel'nichenko, A.I. *see* Chernyi, Yu.F. 9—52235
Mel'nichenko, A.I. *see* Tkachenko, F.K. 9—52232
Mel'nichenko, I.I., Khokhlov, V.A. Methods of increasing the effectiveness of minimization algorithms in connection with the determination of the parameters of bands of complex spectra 9—93225
Mel'nichenko, I.I., Khokhlov, V.A. Separability of a complex spectrum into individual components and analysis of the effectiveness of minimization methods 9—93979
Mel'nichuk, S.V., Kramar', V.M. Magnetic susceptibility of semiconductors doped with impurities of transition elements 9—56496
Melnick, W. *see* Gerhardt, K.J. 9—100631
Melnik, D. *see* Duder, J.C. 9—71831, 9—85445
Mel'nik, E.V. *see* Padezhnova, E.M. 9—74131
Mel'nik, L.A. *see* Bryk, M.T. 9—95990
Mel'nik, L.P., Filonenko, N.N., Kholodnykh, A.I. Limiting effects of longitudinal optical inhomogeneity of nonlinear crystals on frequency-doubler efficiency 9—89967
Mel'nik, M.T., Ilyukha, N.G., Vysotskii, D.A., Romanov, A.I., Mossur, A.G., Orlov, V.Ya., Vasyutin, F.A., Smirnova, L.G. Fusibility diagram of the $BaAl_2O_4\text{-}Ba_2SiO_4\text{-}BaZrO_3$ system 9—83184
Melnik, N.N. *see* Gasanly, N.M. 9—55842
Mel'nik, P.I., Dorofeev, N.N., Sinitskaya, V.F., Kuk, T.M. Microstructural investigation of fatigue fracture in steel 45 after diffusion coating with iron and chromium 9—52446
Mel'nik, P.V. *see* Koval', I.V. 9—69365
Mel'nik, T.S. *see* Maslov, V.P. 9—72732
Mel'nik, V.I., Nelipovich, K.I., Shpak, M.T. The influence of temperature on the spectra and decay times of phosphorescence from benzophenone crystals 9—87479

Mel'nik, V.Kh. *see* Baranov, N.G. 9—96154
Mel'nik, Yu.P. *see* Gorodetskii, D.A. 9—60659
Melnik, Yu.P. *see* Gorodetsky, D.A. 9—90902
Melnikoff, M. *see* Murdin, P. 9—92783
Mel'nikov, A.A. *see* Burenin, A.V. 9—59443
Mel'nikov, A.I. *see* Korolev, N.V. 9—87737
Mel'nikov, A.P. *see* Aleksandrov, V.N. 9—95451
Mel'nikov, B.I. *see* Parkhomenko, V.D. 9—82053
Melnikov, E.V. *see* Grebinnik, V.G. 9—56667, 9—56694
Mel'nikov, G.N. *see* Pustogarov, A.V. 9—100229
Mel'nikov, L.A. Frequency and amplitude modulation of the radiation of a gas ring laser 9—68410
Mel'nikov, L.A. *see* Rabinovich, E.M. 9—81463
Mel'nikov, L.S. *see* Byalko, N.G. 9—94312
Mel'nikov, N.A. *see* Blashchuk, V.N. 9—86217
Melnikov, O.K. *see* Distler, G.I. 9—52105
Mel'nikov, V.A. *see* Ivanov, Yu.A. 9—100842
Mel'nikov, V.A. *see* Ksenofontova, S.S. 9—60217
Melnikov, V.D. *see* Klementiev, G.V. 9—94077
Mel'nikov, V.G., Yudina, T.F., Aleshonkova, E.A. Introduction of lead into sintered iron-base antifriction materials by chemical means 9—96155
Mel'nikov, V.K., Sukhovich, Ye.P. Transient heat exchange between a radiating plate and a high-temperature gas flow 9—94609
Mel'nikov, V.K. *see* Mel'nikov, Vl.K. 9—81934
Mel'nikov, V.K. *see* Zake, M.V. 9—81697, 9—83369
Mel'nikov, Vl.K., Mel'nikov, V.K., Bagmetov, V.I. Investigation of high-temperature argon-titanium powder two-phase jets, with combustion of the titanium 9—81934
Melnikov, V.N., Orlov, S.V. Nonsingular cosmology as a quantum vacuum effect 9—53947
Melnikov, V.N., Zakhariev, B.N. Solution of the inverse scattering problem in the finite-difference approximation 9—75414
Melnikov, V.N. *see* Bronnikov, K.A. 9—54290
Mel'nikov, Yu.A. *see* Davydov, I.A. 9—86319
Mel'nikova, I.G. *see* Os'kina, T.E. 9—61547
Mel'nikova, M.M. *see* Pletneva, N.I. 9—81555
Mel'nikova, O.V. *see* Fedorov, N.F. 9—52139
Mel'nikova, O.V. *see* Khalilev, V.D. 9—94913
Melnikova, S.M. *see* Veselnitskii, I.M. 9—50364
Mel'nikova, V.A. *see* Pilyankevich, A.N. 9—86658
Melo, F.E.A., Garrett, K.W., Mendes Filho, J., Moreira, J.E. Evidence for a diffuse transition in lead chloride 9—73552
Melone, S. *see* Albertini, G. 9—95136
Melone, S. *see* Boeuf, A. 9—60224
Meloni, F. *see* Aymerich, F. 9—51485
Melosh, H.J. *see* Pechmann, J.B. 9—66941
Melrose, D.B. Propagation effects on the polarization of pulsar radio emission 9—75235
Melrose, D.B., Cheng, F.T., Fung, P.C.W. Comments on 'The equation of polarization transfer in an inhomogeneous magnetized plasma. I. Formalism' by F.T. Cheng and P.C.W. Fung [with reply] 9—96905
Melrose, D.B. *see* Hoyng, P. 9—70950, 9—75089
Melsa, J.L., Bishop, C. Identification of a model for spot motion in a laser designation system 9—94277
Melsa, J.L. *see* Somasundaram, M. 9—87995
Melsheimer, O. On the classical content of many-body quantum mechanics 9—53998
Melson, G.L. *see* Karstaedt, N. 9—92364
Melson, K.E., Farrell, J.A., Liska, D.J., Chamberlin, D.D., Wilson, M.K., Giles, P., Potter, C., Cole, T., Caldwell, C., Jr. High-energy beam transport in the Hanford FMIT linear accelerator 9—76159
Melton, K.N., Mercier, O. The effect of ordering on the yield stress of martensitic CuZnAl alloys 9—100133
Melton, K.N. *see* Bricknell, R.H. 9—82179
Melton, K.N. *see* Mercier, O. 9—61661, 9—96024
Meltzer, T.H. *see* Gelman, C. 9—79316
Melugin Coakley, S. *see* Crowe, M.J. 9—70857
Melville, D. *see* Hendy, P. 9—99747
Melville, D. *see* Paul, F. 9—53165
Melville, P.H. Variation of potential in stress corrosion cracks 9—96176
Melville, W.K., Bray, K.N.C. A model of the two-phase turbulent jet 9—60044
Mely Chen Chi, Egami, T. The spin correlation in a ferromagnet with random anisotropy 9—73722
Melzer, J.E. *see* Heidner, R.F., III 9—68258
Melzer, W. *see* Spiecker, W. 9—74616
Memetea, T., Stannett, V. Radiation grafting to poly(ethylene terephthalate) fibres 9—96342
Memetea, T., Stannett, V. Radical yields in irradiated poly(ethylene terephthalate) fibres 9—96343
Memming, R., Schroppel, F. Electron transfer reactions of excited ruthenium(II) complexes in monolayer assemblies at the SnO_2-water interface 9—52675
Memory, J.D. Electrophilic superdelocalizability and carcinogenesis by polycyclic aromatic hydrocarbons—Pullman theory 9—63897
Memory, J.D. Kinematic strategy of self-preservation for the jogger 9—97157
Men', A.N. *see* Fetisov, V.B. 9—51475
Mena, B., Manero, O., Binding, D.M. Complex flow of viscoelastic fluids through oscillating pipes. Interesting effects and applications 9—60031
Mena, B. *see* Barboza, M. 9—94684
Mena, B. *see* Manero, O. 9—77190
Mena, I. *see* Jengo, J.A. 9—74749
Mena, M. *see* Singh, S.K. 9—84074
Menanteau, B. *see* Rives, J. 9—92340
Menapace, E., Oliva, G., Tondinelli, L. Preliminary sensitivity studies for trans-curium isotope build up in thermal reactors 9—85709
Menard, H. *see* Kimmerle, F.M. 9—83459
Menard, J., Delaporte, T., Menard-Bourcin, F. Enhanced HCl laser power through the addition of CO_2 9—98397
Menard-Bourcin, F. *see* Menard, J. 9—98397
Mencaraglia, F. *see* Fabbri, R. 9—62936
Menchaca-Rocha, A. *see* Ortiz, M.E. 9—67769
Menchev, Yu.P. *see* Fesenko, A.I. 9—71453
Menchikova, G.N. *see* Korshak, V.V. 9—55017
Menck, J.W. *see* Vroom, J.P. 9—97784
Mencuccini, C. *see* Celio, R.B. 9—93425
Mendas, I. *see* Pumpernik, D. 9—90735
Mende, G. On the selective anodic oxidation of n-type silicon 9—52411
Mende, H.H. *see* Kleinefeld, Th. 9—51808
Mende, H.H. *see* Peterseim, J. 9—87747
Mende, H.H. *see* Thummes, G. 9—65511
Mende, N.P. *see* Komissaruk, V.A. 9—55435
Mende, N.P. *see* Kovalev, P.I. 9—97426
Mende, S.B. *see* Eather, R.H. 9—96852
Mendecki, J., Friedenthal, E., Botstein, C., Sterzer, F., Paglione, R., Nowogrodzki, M., Beck, E. Microwave-induced hyperthermia in cancer treatment: apparatus and preliminary results 9—62296
Mendecki, J., Friedenthal, E., Botstein, C., Sterzer, F., Paglione, R. Therapeutic potential of conformal applicators for induction of hyperthermia 9—100696
Mendel, C.W. *see* Humphries, S., Jr. 9—72016
Mendel, C.W., Jr. Planar one-dimensional magnetically insulated electron flow for arbitrary canonical-momentum distribution 9—86125
Mendel, C.W., Jr. *see* Humphries, S., Jr. 9—89512
Mendel, C.W., Jr. *see* Widner, M.M. 9—86591
Mendel, E. *see* Durand, L. 9—85219
Mendelovici, E. *see* Yariv, S. 9—69259
Mendelsohn, M.H., Gruen, D.M., Dwight, A.E. The effect of aluminum additions on the structural and hydrogen absorption properties of AB_5 alloys with particular reference to the $LaNi_{5-x}Al_x$ ternary alloy system 9—52761
Mendelsohn, R., Van Holten, R.W. Zeaxanthin ([3R,3'R]-β,β-carotene-3-3'diol) as a resonance Raman and visible absorption probe of membrane structure 9—92124
Mendelson, M.I. On Si nitriding kinetics and mechanisms 9—70190
Mendel'son, V.S. *see* Ishchuk, V.L. 9—61828
Mendes Filho, J. *see* Melo, F.E.A. 9—73552
Mendez, A., Weiler, T. QCD predictions for jet transverse momentum in leptoproduction 9—63442
Mendez, E., Dresselhaus, M.S., Misu, A. High field magnetoreflectivity of semimetals under pressure 9—61346
Mendez, E.E. *see* Misu, A. 9—91423
Mendez, R.H., Niemela, V.S. Observations of three central stars of planetary nebulae 9—97001
Mendiratta, M.G. *see* Chatterjee, D.K. 9—100211
Mendiratta, R.G. *see* Aggarwal, K. 9—87341
Mendiratta, R.G. *see* Gupta, R.G. 9—78509
Mendiratta, R.G. *see* Pillai, P.K.C. 9—56288, 9—60872, 9—80712
Mendis, D.A., Morrison, P.J. On the size of the cometary tail magnetic field 9—88626
Mendlowitz, H., Glass, J. Radiation from charged particles passing through crystals 9—99969
Mendonca, B.G., Hanson, K.J., DeLuisi, J.J. Volcanically related secular trends in atmospheric transmission at Mauna Loa Observatory, Hawaii 9—62585
Mendonca, C. *see* Tancredo, A. 9—50049
Mendonca, J.T. Nonlinear transition radiation in a plasma 9—86586
Mendonca, J.T. Nonlinear interaction of wave packets 9—90414
Mendoza-Zelis, L.A. *see* Lopez-Garcia, A.R. 9—78589
Mendoza-Zelis, L.A. *see* Martinez, J.A. 9—82902
Mendzhul, M.I. *see* Bobrovnik, S.A. 9—57614
Menefee, K.K. *see* Watson, J.M. 9—67970
Meneghini, R. *see* Cordeiro-Stone, M. 9—88117
Meneley, D.A. *see* Banerjee, S. 9—90321
Menenkov, V.D. *see* Testov, V.G. 9—68388
Menes, F. *see* Caillat, R. 9—97474
Meneses, E.A., Braga, E.S. Photo-excited hot electrons in ZnSe at 2K 9—78741
Menet, J. *see* Viano, J.B. 9—93652
Menez, J., Boeri, F., Esteban, D.J. Optimum quantizer algorithm for real-time block quantizing 9—64449
Menez, J. *see* Esteban, D.J. 9—64448
Menezes, A.DaC., Becker, M., Harris, D.R. Modeling of BWR control blades for nodal calculations 9—81040
Menezes, A.DaC. *see* Becker, M. 9—80987
Menezes, O.L.T.de *see* de Menezes, O.L.T.
Meng, C.-I., Mauk, B., McIlwain, C.E. Electron precipitation of evening diffuse aurora and its conjugate electron fluxes near the magnetospheric equator 9—101008
Meng, H.C., Kunze, H.-J. Investigation of the diffusion of impurity atoms in plasmas by laser fluorescence 9—68955
Meng, V.V., Strizhak, V.I., Shevchenko, Yu.P. Load distribution over the threads of threaded plastic parts loaded by vibration 9—83282
Meng Ta-Chung Pion sources in relativistic heavy-ion collisions 9—59086
Menge, G. *see* von Schnering, H.G. 9—60328
Mengel, P., Vollath, D. Characterization of pore networks in UO_2-PuO_2 fuel pellets 9—49687
Menges, G. *see* Thebing, U. 9—83268
Mengi, Y. *see* McNiven, H.D. 9—49048, 9—49049, 9—50630
Mengoli, G. *see* Bragagnoli, F. 9—97782
Mengual, J.I., Aguilar, J., Fernandez-Pineda, C. Thermoosmosis of water through cellulose acetate membranes 9—52768
Menicagli, R. *see* Ciardelli, F. 9—55014
Menigaux, L. *see* Carenco, A. 9—76878, 9—98507
Menini, C. *see* Comar, D. 9—83730
Menkes, H.A. *see* Inners, C.R. 9—88106
Menlove, H.O. *see* Baker, M.P. 9—53570
Menlove, H.O. *see* Crane, T.W. 9—81067
Menmuir, P. *see* Ball, A.P. 9—100936
Menna, L.De *see* De Menna, L.
Mennessier, G., Roy, S.M., Singh, V. Unitarity restrictions on meson-nucleon helicity-flip amplitudes and slope of the diffraction peak 9—54348
Mennessier, G. *see* Berger, E.L. 9—71733
Mennessier, M.O., Martinet, L. The density response of a typical disc stellar population to a spiral perturbation near the corotation resonance 9—71077
Mennig, J. *see* Brandt, D. 9—97746
Menold, R., Luttge, B. Freeze-etching of dispersions without contamination of the fracture faces 9—79704
Menon, K.A.P., Hariharan, R. A new liquid level sensor for process-control applications 9—71438
Menon, M. *see* Eubank, H. 9—82074
Menon, M. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Menon, M.M., Dagenhart, W.K., Davis, R.C., Gardner, W.L., Haselton, H.H., Kim, J., Ryan, P.M., Schechter, D.E., Stirling, W.L., Tsai, C.C., Whealton, J.H. Power flow along a 40-kV multimegawatt neutral beam line 9—76238
Menon, M.M. *see* Stirling, W.L. 9—68117
Menon, S.K., Mukhopadhyay, P., Banerjee, S., Krishnan, R. Beta precipitation in a Zr-5 Ta martensite. Thermodynamics 9—74164
Menotti, A.H. *see* Hines, W.A. 9—61050
Menovsky, A. *see* Gemperle, R. 9—65693
Menown, H., Neale, C.V. Thyratrons for impulse lasers 9—64245
Mensch, W. *see* Decker, W. 9—55920
Mensch-Dechene, J. *see* Fournier, P. 9—88103
Mense, A.T. *see* Houlberg, W.A. 9—49843
Men'shikh, N.L. Most rational linearization of nonlinear unsteady heat conduction problems 9—81688
Menshikov, A.Z. Local moment model for the Invar effect 9—56505
Men'shikov, A.Z., Dorofeev, Yu.A., Gasnikova, G.P., Sidorov, S.K., Kuranov, A.A., Syutkin, P.N. Magnetic structure of ordered alloys $Fe(Pd_{1-x}Au_x)_3$ 9—82759
Men'shikov, L.I. *see* Duman, E.L. 9—50130
Men'shonkova, T.N. *see* Gavrilov, A.G. 9—70586
Mensinger, M. *see* Redpath, A.E. 9—66287
Mensky, M.B. Quantum restrictions for continuous observation of an oscillator 9—97252
Menth, A., Nagel, H., Perkins, R.S. New high-performance permanent magnets based on rare earth-transition metal compounds 9—65696
Mentl, V. Low-temperature tests on several structural materials 9—61692
Menu, M., Roblin, M.L. Effects of lens aberrations in some experiments of speckle interferometry 9—50237
Menu, M., Roblin, M.L. Determination of lens-aberrations by speckle interferometry 9—72653
Menu, M., Roblin, M.-L. Decorrelation produced in the image of a diffusing object by a rotation of the incident wave—application to the study of surface states 9—85120
Menushenkov, A.P. *see* Aleksandrov, A.S. 9—82636, 9—82637
Menyailenko, V.V. *see* Kopa'ev, Y.V. 9—95544
Menyhard, N. On the critical behaviour in quasi-1D metallic systems 9—56147
Menyuk, C.R. *see* Zweben, S.J. 9—60184, 9—90464
Menyuk, N. *see* Pine, A.S. 9—82521
Menzel, D. Photoelectron spectroscopy of adsorption layers 9—52072
Menzel, D. *see* Englert, W. 9—65324
Menzel, D. *see* Franchy, R. 9—99414
Menzel, D. *see* Greiner, G. 9—78854
Menzel, D. *see* Kirschner, J. 9—99428

Menzel, G. Characterization of amorphous metal films 9—87017
Menzel, G. *see* Hellens, R.L. 9—54482
Menzel, G. *see* Matzie, R.A. 9—85595
Menzel, J. *see* Denner, H.-D. 9—60578
Menzel, R., Leupold, D. Nonlinear absorptions of cryptocyanine 9—85973
Menzel, R.W. *see* Belz, R.A. 9—76642
Menzheres, G.Ya. *see* Moisya, E.G. 9—65349
Menzies, R.T. Remote measurement of ClO in the stratosphere 9—58005
Menzies, R.T. *see* Majumdar, A.K. 9—81532
Menzies, Y.Q.de *see* de Menzies, Y.Q.
Menzinger, F. *see* Dupre, F. 9—51751, 9—73685
Meoz-Mendex, R.T. *see* Marbach, J.R. 9—62406
Mera, M. *see* Nakayama, Y. 9—79001
Merat, P. *see* Gueret, P. 9—49033
Mercader, R.C. *see* Lopez-Garcia, A.R. 9—78589
Mercader, R.C. *see* Martinez, J.A. 9—82902
Mercandalli, L.M. *see* Croset, M. 9—52845
Mercer, D.M.A. *see* Smith, R.A. 9—76920
Mercer, R.L. *see* Bahl, L.R. 9—64421
Mercer, T.T. *see* Porstendorfer, J. 9—62555
Mercereau, J.E. *see* Delayen, J.R. 9—67986
Mercey, B. *see* Guillo, M. 9—90620
Merchant, H.C. *see* Eisinger, K. 9—64578
Merchant, H.D. *see* Botrous El Badramany, N.M. 9—78099
Merchant, H.D. *see* Proudian, M.-C.P. 9—91604
Merchant, P., Collins, R., Kershaw, R., Dwight, K., Wold, A. The electrical, optical and photoconducting properties of $Fe_{2-x}Cr_xO_3$ $(0 \leq x \leq 0.47)$ 9—56262
Merchant, P., Elbaum, C. Electronic transport and optical properties of plastically deformed CdS 9—73508
Merches, I. A variational principle in relativistic mangetofluid dynamics 9—73031
Mercier, B. A conforming finite element method for two-dimensional incompressible elasticity 9—63039
Mercier, C. MHD stability criteria for localized displacements 9—73030
Mercier, C. MHD equations and some confinement studies in closed magnetic configurations 9—98964
Mercier, C. The MAKOKOT simulation code 9—98969
Mercier, J. *see* Massenet, O. 9—91214
Mercier, J.P. *see* Godard, P. 9—61914
Mercier, O., Melton, K.N. The substitution of Cu for Ni in NiTi shape memory alloys 9—61661
Mercier, O., Melton, K.N., De Preville, Y. Low-frequency internal friction peaks associated with the martensitic phase transformation of NiTi 9—96024
Mercier, O. *see* Bricknell, R.H. 9—82179
Mercier, O. *see* Melton, K.N. 9—100133
Mercier, R. Holographic testing of aspherical surfaces 9—85116
Mercier, R. *see* Douglade, P.J. 9—55703
Mercier, R. *see* Tachez, M. 9—73138
Mercker, E. *see* Fuchs, H.V. 9—77121
Mercurio, J.P. *see* Berrada, A. 9—69950
Merdian, S.J. *see* Harmony, M.D. 9—63990
Merdinger, J.C. *see* Vivien, J.P. 9—85408
Meredov, M. *see* Agaev, Ya. 9—91137
Merekov, Yu.P. *see* Albrecht, D. 9—75985
Merenkov, N.P. On bremsstrahlung in vector meson production at high energies 9—80851
Merenkov, N.P., Rekalo, M.P. Interaction of hadrons at high energies and radiative corrections 9—58964
Merenkov, Yu.F. *see* Breeva, A.V. 9—77280
Merenkova, R.F., Koshelev, P.F., Grot, V.V. Dependence of nonuniformity of plastic deformation on stressed state and test temperature 9—57071
Merenkova, R.F., Koshelev, P.F., Grot, V.V. Microstructural mechanism of deformation and failure of titanium alloy in a state of biaxial stress 9—66132
Merer, A.J. *see* Brown, J.M. 9—59429
Mereu, R.F. *see* Waboso, C.E. 9—57857
Mergerian, D., Malarkey, E., Newman, B., Lane, J., Weinert, R., McAvoy, B.R., Tsai, C.S. Zinc oxide transducer arrays for integrated optics 9—50444
Merges, V., Schweig, H. Evacuated solar flat-plate collectors for economic applications 9—62099
Mergler, H.W. *see* Margalith, A. 9—57805
Meriakri, V.V., Ushatkin, E.F., Volkov, A.A., Irisova, N.A., Kozlov, G.V. Resonance method of measuring complex reflection coefficients of nontransparent materials in the submillimeter waveband [comment and reply] 9—56756
Meric, P., Seylaz, J., Correze, J.L., Luft, A., Mamo, H. Measurement of regional cerebral blood flow by intravenous injection of Xe^{133} 9—83912
Meridinger, J.C. *see* Toulenmonde, M. 9—58998
Merie, P., Pelletier, J.M., Merlin, J. Influence of plastic deformation on the steadiness of supersaturated, reversionable Al-Cu solid solutions 9—91748
Meriel, P. *see* Bacchella, G.L. 9—61066
Meriel, P. *see* Glattli, H. 9—75982
Merigan, W.H. *see* Pasternak, T. 9—83788
Merigoux, R., Danoy, G. Study of the time course of monolayers absorbed on liquid-liquid interfaces by the double recipient method 9—73376
Merilo, M., Ahmad, S.Y. The effect of diameter on vertical and horizontal flow boiling crisis in a tube cooled by Freon-12 9—85603
Merinov, B.V., Masimov, B.A., Dem'yanets, D.N., Belov, N.V. Crystal structure of the rare-earth germanate Nd_4GeO_8 9—77583
Merinov, N.S. *see* Ostapenkov, A.M. 9—83855
Merinov, P.E. *see* Novozhilov, N.M. 9—87614
Merinsky, K. *see* Betko, J. 9—91043
Merisalo, M., Soininen, J. Covalency of bonding in β-Sn 9—94953
Merisov, B.A. *see* Zlobintsev, G.M. 9—82574, 9—91019
Meritet, L., Proriol, J. Contribution to the theoretical study of p-^{3}He and p-^{3}H elastic scattering. Comparison of experimental results at 600 MeV with some numerical results 9—93616
Meriwether, B.P. *see* Beth, A.H. 9—98124
Meriwether, J.W. *see* Hays, P.B. 9—74999
Merkel, B. *see* Bourquin, M. 9—71768
Merkel, P. *see* Andelfinger, C. 9—76162
Merkelis, G.V. *see* Boiko, V.A. 9—72230
Merkhofer, M.W. Analysis of emission control alternatives for coal-fired power plants 9—52978
Merki, U., Wissmann, P. The optical constants of pure and CO-covered copper films 9—78645
Merkine, L.-O. A note on the finite amplitude dynamics of spatially growing baroclinic waves on an f-plane 9—79985
Merkine, L.-O., Solan, A. The separation of flow past a cylinder in a rotating system 9—68720
Merkle, K.L. *see* Averback, R.S. 9—77654
Merkle, L.D., Powell, R.C. Energy transfer among Nd^{3+} ions in garnet crystals 9—95839
Merkler, G. *see* Fuchs, K. 9—84172
Merkulenko, V.E. *see* Zhugzhda, Yu.D. 9—62808
Merkulov, A.I., Radautsan, S.I., Tezlevan, V.E. Effect of annealing on the electrical conductivity of In-doped $CdCr_2Se_4$ single crystals 9—87102
Merkulov, E.N. *see* Raskostov, V.N. 9—87787
Merkulov, V.A., Shevtsov, I.V. Position-sensitive photodetector for focusing on a luminous mark with variable illumination 9—75598
Merkulov, V.I. *see* Afanas'ev, V.A. 9—97832
Merkulov, V.N., Prikhod'ko, V.Yu., Tyutekin, V.V. Excitation and propagation of normal modes in a thin cylindrical elastic shell filled with fluid 9—64385
Merkulov, V.N., Prikhod'ko, V.Yu., Tyutekin, V.V. Normal modes in a thin cylindrical elastic shell filled with fluid and driven by forces specified on its surfaces 9—94550
Merkulova, T.G. *see* Dashuk, P.N. 9—55600
Merkur'ev, S.P. Wave functions and generalized wave operators for the Schrodinger equation of a system of three charged particles 9—75398
Merkuriev, S.P. Integral equations for three-particle systems with Coulomb interaction 9—54284
Merle, J.C. *see* Wecker, C. 9—75623, 9—95802
Merle, P., Archilla, B., Camassel, J., Mathieu, H. Excited 1s-level of sulphur-bound excitons in GaP 9—82996
Merle, P., Fouquet, F., Merlin, J. On theθ' phase coalescence in an Al-4 wt.% Cu alloy 9—56985
Merle, P. *see* Camassel, J. 9—61401
Merle, P. *see* Fouquet, F. 9—56984
Merle, P. *see* Mathieu, H. 9—69854
Merlet-Bernard, C. *see* Robert, J.L. 9—60690
Merlin, G. *see* Assus, P. 9—62755
Merlin, J. *see* Fouquet, F. 9—56984
Merlin, J. *see* Merle, P. 9—91748
Merlin, J. *see* Merle, P. 9—56985
Merlin, J. *see* Vigier, G. 9—52288, 9—61595, 9—77753
Merlin, J.C. *see* Lorriaux, J.L. 9—59472
Merlin, R., Guntherodt, G., Humphreys, R. Multiphonon processes and exciton-LO phonon interaction in YbS 9—95784
Merlin, R., Zeyher, R., Guntherodt, G. Spin-dependent Raman scattering of europium chalcogenides 9—95782
Merlini, D. *see* Bakshi, P. 9—90379
Merlini, D. *see* Calinon, R. 9—94770
Merlivat, L. *see* Lorius, C. 9—92586
Merlivat, L. *see* Robert, F. 9—88628
Merlo, F., Fornasini, M.L. Crystal structure of the $R_{11}Hg_{45}$ compounds (R=La, Ce, Pr, Nd, Sm, Gd, U) 9—77555
Merlo, J.P. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Merlo, J.P. *see* Groot, J.G.H. 9—93395
Merman, N.V., Sosnina, M.A. Estimation of the quality of the image of two-mirror telescopes and their utilization in cosmic astronomy 9—96911
Mermet, J.-M. *see* Blackburn, M.B. 9—79330
Mermin, N.D. Textures and supercurrents in ^{3}He-A 9—65279
Mermin, N.D. The topological theory of defects in ordered media 9—93072
Merrell, W.J., Jr. *see* Kirwan, A.D., Jr. 9—79850
Merrett, M. *see* Banks, R.D. 9—74595
Merri, D.D. *see* Miroshnichenko, I.I. 9—78785
Merrick, D., Harrison, J.S. The use of non-fossil-derived hydrogen in coal conversion processes 9—74483
Merrick, M.V., Uttley, W.S., Wild, R. A comparison of two techniques of detecting vesicoureteric reflux 9—100703
Merrick, N.P., Odins, J.A., Greenhalgh, S.A. A blind zone solution to the problem of hidden layers within a sequence of horizontal or dipping refractors 9—74839
Merrigan, J.A. *see* Costa, L.F. 9—61886
Merrill, B.J. *see* Hanson, G.H. 9—89361
Merrill, M.H. *see* Baxter, A.M. 9—49674
Merrill, R.T. *see* Henshaw, P.C., Jr. 9—66681
Merritt, F.R. *see* Henry, C.H. 9—86178
Merritt, F.S. *see* Barish, B.C. 9—63536
Merritt, F.S. *see* Brown, K.W. 9—80855
Merritt, F.S. *see* Dishaw, J.P. 9—85473
Merritt, J.H., Chamness, A.F., Allen, S.J. Studies on blood-brain barrier permeability after microwave-radiation 9—74718
Merritt, J.S. *see* Gibson, F.H. 9—59292
Merritt, R.P. *see* Akasofu, S.-I. 9—62640
Merry, C.M. *see* Cornell, J.C. 9—72061
Mersch, W. *see* Dorfmuller, T. 9—86672
Merski, J., Eckhardt, C.J. Piezomodulated reflection spectra of anthracene single crystals 9—61392
Mersmann, A. *see* Ringer, D. 9—55314
Mersov, G.A. *see* Kuznetsov, A.V. 9—80371
Merstallinger, K. Microscopy—a study for infinite correction 9—80678
Merta, J. *see* Elfmark, J. 9—67851
Merten, L. *see* Wenk, J. 9—73927
Mertens, F.G. *see* Buttner, H. 9—49176
Mertens, P. Electronic stopping cross sections of 50-300-keV He and Li ions 9—69169
Mertens, P. The influence of the polycrystalline structure of thin copper foils on the energy loss of transmitted 300 keV ions 9—95057
Mertens, R. *see* van Overstraaten, R. 9—96453
Mertens, V. *see* Kumbartzki, G.J. 9—99800
Mertig, I., Mrosan, E. Calculation of cyclotron masses of copper using a tetrahedron method 9—90946
Mertins, H. *see* Wille, P. 9—60556
Mertz, L.N. Speckle imaging, photon by photon 9—53729
Mervyn, D.A., Baird, R.J., Wynblatt, P. Surface segregation in a Ni-1 at.% Pd alloy 9—51404
Merwe, F.S.Van der *see* Van der Merwe, F.S.
Merwe, J.P.van der *see* van der Merwe, J.P.
Merwe, P. du T.van der *see* van der Merwe, P. du T.
Merwe, P. du T.Van Der *see* Van Der Merwe, P. du T.
Merwe, R.Van De *see* Van De Merwe, R.
Merwe, S.W.J.Van der *see* Van der Merwe, S.W.J.
Merx, W. *see* Meyer, J. 9—70628
Mery, P. *see* Aussourd, P. 9—66427
Merz, G. *see* Blau, W. 9—78793
Merz, J.L., van der Ziel, J.P., Logan, R.A. Saturable optical absorption of the deep Te-complex center in $Al_{0.4}Ga_{0.6}As$ 9—99917
Merz, J.L. *see* Sergent, A.M. 9—81539
Merz, J.L. *see* van der Ziel, J.P. 9—94235
Merz, M.D. The oxidation resistance of fine-grained sputter-deposited 304 stainless steel 9—57150
Merzbacher, E. Brownian motion of a quantum oscillator and random walk in phase space 9—63086
Merzenich, M. *see* Gardi, J. 9—83796
Merzer, A. *see* Bodner, S.R. 9—61686
Merzhanov, A.G., Stolin, A.M., Shatalov, B.N. Measurement of rheological properties of fluids with rotary viscosimeters under nonisothermal conditions 9—68664
Merzhanov, A.G. *see* Azatyan, T.S. 9—100377
Merzhanov, A.G. *see* Zhukov, S.A. 9—90773
Merzhanov, V.A., Pesotskii, S.I., Topnikov, V.N. Phase transition in the organic metal $TSeTBr_{0.5}$ 9—99537
Merzhanov, V.A. *see* Lyubovskaya, R.N. 9—60809
Merzkirch, W. Making fluid flows visible 9—90352
Merzkirch, W. *see* Wieners, N. 9—68868
Merzlyak, M.N. *see* Pogosyan, S.I. 9—70534
Merzlyakov, E.I., Ryzhenko, I.A., Tsyrul'nikov, A.S. Heat transfer with two-dimensional liquid filtration into shattered rocks 9—81962
Merzlyakov, N.S. *see* Jaroslavski, L.P. 9—72529
Merzon, G.I. *see* Asoskov, V.S. 9—60102, 9—86554
Mesch, F. System theory in metrology—a survey 9—85111
Mesch, F. *see* Kipphan, H. 9—68880
Meservey, E. *see* Bitter, M. 9—82098
Meservey, E. *see* Eubank, H. 9—82074
Meservey, E.B. *see* Dylla, H.F. 9—80631
Meservey, R., Tedrow, P.M. Surface relaxation of conduction electron spins in superconductors 9—60995
Meservey, R., Tedrow, P.M., Kalvey, V.R., Paraskevopoulos, D. Studies of ferromagnetic metals by electron spin polarized tunneling 9—78263
Meservey, R. *see* Tedrow, P.M. 9—87220

Mesh, M.Ya. *see* Proklov, V.V. 9—90030
Meshbei, V.I., Bogdanov, G.A. Two-dimensional time-variable analysis of CDP seismograms 9—84161
Meshchanin, A.P. *see* Apokin, V.D. 9—67615
Meshchenenko, K.K., Man'ko, V.S. Effect of concentration of alkali and lead acetate on the photosensitivity of chemically precipitated lead sulfide 9—76781
Meshcherov, R.A. *see* Balbekov, V.I. 9—63829
Meshcheryakov, G.A., Tserklevich, A.L. On the global and regional properties of the gravitational figure of Mars 9—62784
Meshcheryakov, T.N. *see* Maksimovich, G.G. 9—100233
Meshcheryakov, Yu.I., Morozov, V.A. Use of a dislocation model for description of shock-loaded rigidly plastic media with hardening 9—86379
Meshcheryakova, O.D. *see* Grigoryan, S.S. 9—79586
Meshii, M. *see* Nagakawa, J. 9—55784
Meshikowski, S.M., Berlin, A.A., Gorschkow, W.S., Schapiro, T.M., Glotowa, N.A., Komlew, W.K. Structure and properties of thermally hardening PVC plastisols. II. Properties and structure of hardened film 9—70097
Meshkauskas, I. Second-harmonic generation in the solid solutions $Sb_{1-x}Bi_xSi$ and $SbS_{1-x}Se_xI$ at microwave frequencies 9—55188
Meshkov, S.V., Rashba, E.I. Probabilities of radiationless transitions in acceptor centers 9—87507
Meshkov, S.V. *see* Gantmakher, V.F. 9—82626
Meshkovskii, I.K. *see* Dul'nev, G.N. 9—64238
Meshkovskii, I.K. *see* Karlov, N.V. 9—91999
Meskauskas, A. *see* Dudonis, J. 9—82483
Meskhishvili, A.I. *see* Shavishvili, T.M. 9—65655
Mesmay, J.de *see* de Mesmay, J.
Mesnard, G. *see* Labib, H. 9—56223
Mess, K.H. *see* Jonker, M. 9—93399
Messenger, W. deL.M. The safe transport of radioactive materials 9—63814
Messenger, W.de L.M. *see* de L.M. Messenger, W.
Messer, J. The pressure of fermions with gravitational interaction 9—63138
Messer, J. Decay of local correlations and absence of phase transitions 9—88866
Messiaen, A.M., Bhatnagar, V.P., Bosia, G., Piret, Cl., Telesca, G., Vandenplas, P.E., Weynants, R.R. Experimental results on the ERASMUS Tokamak 9—99000
Messiaen, A.M., Weynants, R.R., Bhatnagar, V.P., Vandenplas, P.E. Ion-ion hybrid damping of magneto-acoustic resonances [in plasma] 9—77361
Messiaen, A.M. *see* Weynants, R.R. 9—98932
Messien, P., Gaspard, C., Mignon, J., Greday, T. Texture hardening in maximum shear planes during expansion 9—91704
Messien, P. *see* Gaspard, C. 9—82172
Messier, D.L. *see* Bundy, M.L. 9—96613
Messing, I., Sadowski, C.M., Filseth, S.V. Absolute rate constant for the reaction of CH with O_2 9—98135
Messiter, A.F. *see* Adamson, T.C., Jr. 9—60005
Messmer, R.P., Lamson, S.H. Simple theoretical treatment of shake-up satellites arising from core and valence level ionizations of a chemisorbed molecule 9—95899
Messmer, R.P. *see* Johnson, K.H. 9—69651
Mestdagh, J.M. *see* Cuvellier, J. 9—86035
Mestechkin, M. Instability threshold and peculiar solutions of Hartree-Fock equations 9—85881
Mestechkin, M.M. *see* Abakumov, G.A. 9—59696
Mestel, L., Paris, R.B. Magnetic braking during star formation. III 9—58320
Mestel, L., Phillips, P., Wang, Y.-M. The axisymmetric pulsar magnetosphere. I 9—84813
Mestel, L., Wang, Y.-M. The axisymmetric pulsar magnetosphere. II 9—92794
Mestel, L. *see* Gillis, J. 9—58319
Mesterton, A.P. *see* Azarkh, S.L. 9—62778
Mestvirishvili, M.A. *see* Logunov, A.A. 9—58952
Mesyats, G.A. *see* Bichkov, Y.I. 9—94250
Mesyats, G.A. *see* Bychkov, Yu.I. 9—59686
Meszaros, A. On the concentration and size distribution of atmospheric sulfate particles under rural conditions 9—74564
Meszaros, E., Varhelyi, G., Haszpra, L. On the atmospheric sulfur budget over Europe 9—70475
Meszaros, L. *see* Abraham, M.H. 9—57282
Meszaros, P., Ventura, J. Vacuum polarization effects on radiative opacities in a strong magnetic field 9—85032
Meszaros, P. *see* Borner, G. 9—55453, 9—92662
Metag, V. *see* Ulfert, G. 9—71856
Metauer, G. *see* Glock, G. 9—67894
Metcalf, H.J. *see* Davis, W.A. 9—59397
Metcalf, J.I., Echard, J.D. Coherent polarization-diversity radar techniques in meteorology 9—58111
Metcalf, S.C. *see* Coleman, G.T. 9—98756
Metcalf, W. *see* McCal, D. 9—89154
Metcalf, W. *see* Reece, C. 9—89196
Metcalf-Johansen, J. *see* Lewis, M.H. 9—90559
Metcalfe, B., Thirlwall, J.T., Fernandes, T.R.C. An electron microprobe investigation of sulphide inclusions in high-carbon ferrochromium 9—74168
Metcalfe, L.J., Hargroves, D.W., Wells, R.A. Containment accident analysis using CONTEMPT4/MOD2 compared with experimental data 9—49738
Metcalfe, M. *see* Jonker, M. 9—93399
Metel'nikov, A.A. *see* Kossova, N.F. 9—55221
Metev, S.M. *see* Arzuov, M.I. 9—52052, 9—57135
Meteva, K.B. *see* Rashkovich, L.N. 9—56746
Metghalchi, M. On the polynomial form of gamma-ray buildup factor functions 9—54607
Methasiri, T. *see* Yoodee, K. 9—75668
Metherell, A.F. *see* Ahmed, M. 9—64411
Metherell, A.J.F. *see* Landshoff, P.V. 9—97259
Metikos-Hukovic, M., Lovrecek, B. Semiconducting properties of anodically formed layer on antimony 9—56303
Metiu, H. *see* Efrima, S. 9—51944, 9—56069
Metiu, H. *see* Korzeniewski, G. 9—72307
Metiu, H.I. *see* Matsubara, T. 9—94010
Metivier, H., Masse, R., Legendre, N., Lafuma, J. Pulmonary connective tissue modifications induced by internal α irradiation. I. Effect of time and dose on alterations following inhalation of plutonium-239 dioxide aerosol in rat 9—92302
Metlin, V.V. *see* Andreev, A.M. 9—77276
Metlin, Yu.G. *see* Kolotyrkin, V.I. 9—83493
Metlov, V.G. Giant H II regions in the interacting galaxies NGC 4038-4039 9—97053
Metlov, V.G. *see* Dostal', V.A. 9—92868
Metois, J.J., Heyraud, J.C. Surface decoration: depletion zone analysis along the steps 9—90868
Metois, J.J., Kern, R. Post-nucleation phenomena in the Volmer-Weber mode of epitaxy 9—77955
Metropoulos, A., Ying-Nan Chiu Generalized classification of the rotational-vibrational wavefunctions of C_{3v} and D_{3h} symmetric tops according to their respective molecular point groups 9—93971
Metselaar, R., Larsen, P.K. Electrical properties of yttrium iron garnet 9—99552
Metskhvarishvili, R.Ya. *see* Kocharov, G.E. 9—84599
Mett, L.I., Tartakovskii, B.D. Effectiveness of detachable vibration-absorbing coatings 9—90078
Metz, C.E. *see* Vyborny, C.J. 9—74753
Metz, D. *see* Davis, W. 9—79944
Metz, H., Seeger, A., Teichler, H., Orth, H., zu Putlitz, G., Vetter, J., Wahl, W., Wigand, M., Dorenburg, K., Gladisch, M., Herlach, D. Muon location and mobility in high-purity metals 9—56693
Metz, H. *see* Gladisch, M. 9—56446
Metz, H. *see* Herlach, D. 9—56701
Metz, H.J., Ruchti, S., Seidel, K. Comparison of image quality and information capacity for different model imaging systems 9—59644
Metz, R. *see* Szekely,'J. 9—55364
Metz, R.N. *see* Hacker, M.P. 9—55549
Metz, W., Schoppen, G. The effect of added substances on the formation of graphite-$FeCl_3$ intercalation compounds 9—52634
Metze, A., Kuehn, D.G., Chanin, L.M. The use of spectroscopic measurements to evaluate cataphoretic segregation 9—79261
Metze, W. Implementation alternatives for the visual simulation in military training devices 9—50413
Metzger, A.E. *see* Gilman, D. 9—53933
Metzger, G. Introduction to optical computing applied to high energy physics experiments 9—89581
Metzger, R.M. *see* Silverstone, H.J. 9—85886
Metzger, W.J. *see* Gurtu, A. 9—49517
Metzger, W.J. *see* Zralek, M. 9—89114
Metzler, D.E., Harris, C.M. Shapes of spectral bands of visual pigments 9—53110
Metzler, N., Cuperman, S., Dryer, M., Rosenau, P. A time-dependent two-fluid model with thermal conduction for the solar wind 9—92643
Metzler, N. *see* Cuperman, S. 9—80184
Metzner, A.B., Cohen, Y., Rangel-Nafaile, C. Inhomogeneous flows of non-Newtonian fluids: generation of spatial concentration gradients 9—60032
Metzner, H. *see* Witthuhn, W. 9—51895
Meubus, P. High temperature chlorination kinetics of a niobium pyrochlore 9—61765
Meubus, P. *see* Fortin, M. 9—98972
Meucci, G.F. *see* Bernardini, A. 9—70868
Meuer, D. *see* Gross, W. 9—71817
Meulemeester, E.De *see* De Meulemeester, E.
Meulen, J.J.ter *see* ter Meulen, J.J.
Meuling, W.J.A. *see* van Hemmen, J.J. 9—92303
Meunier, J.H. *see* Lalauze, R.L. 9—60829, 9—82587
Meunier, J.P., Pigeon, J., Massot, J.N. Notes on pulse widening in optical fibres 9—72674
Meunier, R. *see* Cutts, D. 9—85346
Meur, G.le *see* le Meur, G.
Meur, R.Le *see* Le Meur, R.
Meurer, H.-P. *see* Bartels, A. 9—77637
Meuris, C. *see* Davoust, M.-E. 9—73629
Meuser, R.B. *see* Gilbert, W.S. 9—76201, 9—76202
Meuti, M. *see* Papogno, L. 9—95889
Mevergnies, M.Neve de *see* Neve de Mevergnies, M.
Mevers, G.E., Hayes, C.L., SooHoo, J.F., Stubbs, R.M. Ground-to-space optical power transfer 9—62724
Mewaldt, R.A., Spalding, J.D., Stone, E.C., Vogt, R.E. The isotopic composition of solar flare accelerated neon 9—92741
Mewaldt, R.A., Stone, E.C., Vogt, R.E. Characteristics of the spectra of protons and alpha particles in recurrent events at 1 AU 9—96867
Mewis, J. Thixotropy—a general review 9—59959
Mewissen, L., Poortmans, F., Cornelis, E., Vanpraet, G., Angeletti, A., Rohr, G., Weigmann, H. Neutron resonance parameters for neptunium-237 9—54436
Mews, K. Advent/1 speaker system 9—81670
Mey, G.de *see* de Mey, G.
Mey, S.H. *see* Meester, G.T. 9—70695
Meyendorf, N. *see* Dlubek, G. 9—91525, 9—99972
Meyer, B.A., El-Wakil, M.M., Mitchell, J.W. An interferometric investigation of heat transfer in honeycomb solar collector cells 9—62053
Meyer, C. *see* Breelle, Y. 9—74512
Meyer, C.E., Mueller, N.P., Plumier, M., Watts, M., Leroy, R., Saint Mard, C.J. Reduced temperature return-to-power demonstration on a Westinghouse PWR 9—54559
Meyer, C.H., Jr., Smith, J.N., Jr. H^+ and D^+ sputtering of thin tantalum films in the energy range of 0.6 to 15 keV 9—78808
Meyer, C.R. An iterative, parametric spectral estimation technique for high-resolution pulse-echo ultrasound 9—57729
Meyer, D.H. *see* Pitthan, R. 9—54423
Meyer, D.I. *see* Finley, D.A. 9—49625, 9—49626
Meyer, E.A. *see* Armstrong, D.D. 9—67969, 9—76220
Meyer, E.A. *see* Machalek, M.D. 9—71993
Meyer, E.F., Jr. CHIRAL—a computer aided application of the Cahn-Ingold-Prelog rules 9—58499
Meyer, E.R., Bouldin, D.W., Bolfing, B.J. A microcomputer system for controlling fuel rod length 9—71942
Meyer, F., Schmidt, H.U., Simon, G.W., Weiss, N.O. Buoyant magnetic flux tubes in supergranules 9—75170
Meyer, F.O. *see* Redding, R.W. 9—59428
Meyer, F.W., Phaneuf, R.A., Kim, H.J., Hvelplund, P., Stelson, P.H. Single-electron-capture cross sections for multiply charged O, Fe, Mo, Ta, W, and Au ions incident on H and H_2 at intermediate velocities 9—59560
Meyer, F.W. *see* Crandall, D.H. 9—59559
Meyer, G.A. *see* Haughton, V.M. 9—92363
Meyer, G.W. *see* Woldseth, R. 9—54240
Meyer, H. Sound propagation in ^3He-^4He mixtures near the superfluid transition and the tricitical point 9—65284
Meyer, H. *see* Berger, C. 9—49519
Meyer, H. *see* Dietrich, H. 9—55730
Meyer, H. *see* Pennington, W.D. 9—62448
Meyer, H. *see* Ruppeiner, G. 9—60590
Meyer, H. *see* Ryschkewitsch, M. 9—51363
Meyer, H. *see* Ryschkewitsch, M.G. 9—56006
Meyer, H. *see* Schweizer, R. 9—60600
Meyer, H.D. *see* McCurdy, C.W. 9—64062
Meyer, H.-D., Miller, W.H. A classical analog for electronic degrees of freedom in nonadiabatic collision processes 9—64063
Meyer, H.-D., Miller, W.H. Classical models for electronic degrees of freedom: derivation via spin analogy and application to $F^*+H_2 \rightarrow F+H_2$ 9—98192
Meyer, H.E.De *see* De Meyer, H.E.
Meyer, H.J. Rate of growth of calcite from aqueous solution 9—74073
Meyer, H.J., Dabringhaus, H. Molecular processes of condensation and evaporation of alkali halides 9—69237
Meyer, H.J. *see* Berger, C. 9—49519
Meyer, H.J. *see* Jokisch, H. 9—53689
Meyer, H.O. *see* Jeppesen, R.H. 9—85533
Meyer, H.O. *see* Kiebele, U. 9—85483
Meyer, I., Stritzke, P. Plasma parameters in the initial stages of plasmas produced by a Q-switch laser in nitrogen 9—55531
Meyer, J. On the dependence of pitch perception of musical sounds on the degree of training in hearing 9—74682
Meyer, J., Krebs, W., Hagemann, K., Merx, W., Franken, G., Kempen, P., Verstraeten, K., Jensch, P., Effert, S., Ameling, W. Combined left ventricular pressure volume analysis in the evaluation of different heart diseases 9—70628
Meyer, J. *see* Daybell, M.D. 9—60814
Meyer, J. *see* Jonker, M. 9—93399
Meyer, J. *see* Speth, J. 9—85385
Meyer, J.A. *see* Cesar, C.L. 9—64473
Meyer, J.D. *see* Tidecks, R. 9—51712
Meyer, J.E. *see* Weaver, W.L., III. 9—59136
Meyer, J.E. *see* Yung Y. Liu 9—93699
Meyer, K. Investigation of the local mass transfer of a laminar and turbulent falling liquid film 9—77080

Meyer, K. *see* Loschau, W. 9—54242
Meyer, L. *see* Baxi, C.B. 9—93706
Meyer, L. *see* Quade, R.N. 9—93686
Meyer, M., Dubois, C., Barbezat, S. Comparison of ^{18}O concentration profiles determined by secondary emission of negative or positive ions 9—60395
Meyer, M., Vander Sande, J., Uhlmann, D.R. On the structure of glassy polymers. VI. Electron microscopy of polycarbonate, poly(ethylene terephthalate), poly(vinyl chloride), and polystyrene 9—55675
Meyer, M.L. *see* Bertrand, L. 9—72591
Meyer, O. *see* Berger, C. 9—49519
Meyer, O. *see* Kaufmann, R. 9—51180, 9—55800
Meyer, P. High-frequency electromagnetic wave in an expanding universe 9—58913
Meyer, P. The temperature of a gravitational field 9—85055
Meyer, P. *see* Alvarez, R.A. 9—89289
Meyer, P. *see* Berman, B.L. 9—54422
Meyer, P. *see* Jury, J.W. 9—63657
Meyer, P. *see* Woodworth, J.G. 9—63656
Meyer, R., Graf, F., Ha, T.-K., Gunthard, H.H. Jahn-Teller effect in cyclopentadienyl radical: delocalized vibronic valence isomerisation 9—97986
Meyer, R. *see* Kuhne, H. 9—93997
Meyer, R. *see* Prasad, S. 9—73822
Meyer, R.A., Henry, E.A., Lien, O.G., Hicks, H.G., Stevenson, P.C. Rapid automated nuclear chemistry facility for the study of short lived fission products 9—71978
Meyer, R.A. *see* Schneider, E.W. 9—63628
Meyer, R.B. *see* Rosenblatt, C. 9—55663
Meyer, R.E. *see* Grisham, D.L. 9—71997
Meyer, R.F. *see* Bohm, M. 9—93336
Meyer, R.J., Duke, C.B., Paton, A., Kahn, A., So, E., Yeh, J.L., Mark, P. Dynamical calculation of low-energy electron diffraction intensities from GaAs(110): influence of boundary conditions, exchange potential, lattice vibrations, and multilayer reconstructions 9—77462
Meyer, R.J. *see* Duke, C.B. 9—86967
Meyer, R.P. *see* Pennington, W.D. 9—62448
Meyer, S. *see* Flume, R. 9—85223
Meyer, S.L. *see* Nak Sam Chung 9—61264
Meyer, T. *see* Brandelik, R. 9—63491, 9—93441
Meyer, T. *see* Erhan, S. 9—49550, 9—89206
Meyer, T. *see* Lockman, W. 9—89205
Meyer, T.C. A study of particle unstable ^4H 9—93528
Meyer, T.J. Calculation of electron-transfer rate constants from intervalence transfer absorption bands 9—81164
Meyer, V. *see* Preisinger, K. 9—75980
Meyer, V. *see* Ratel, G. 9—75981
Meyer, V.D. *see* Fortucci, P.L. 9—88972
Meyer, W. Dielectric loss mechanisms in polymeric solids 9—67316
Meyer, W., Wurfel, P., Munser, R., Muller-Vogt, G. Kinetics of fixation of phase holograms in $LiNbO_3$ 9—81393
Meyer, W.G. *see* Wolf, K.L. 9—63693
Meyer, W.K., Wehner, G.K. Sputter yields of bimetal mixtures 9—87546
Meyer, W.L., Bell, W.A., Stallybrass, M.P., Zinn, B.T. Prediction of the sound field radiated from axisymmetric surfaces 9—50480
Meyer, Y.H. Strong field effect on intracavity atoms in dye lasers: self frequency-locking 9—86198
Meyer-Ebrecht, D. Images for medical diagnoses 9—96635
Meyer-Ehmsen, G. *see* Braun, W. 9—74060
Meyer-Rassow, H.P. *see* Graubmann, S. 9—89317
Meyer-ter-Vehn, J. Pellet dynamics for inertial fusion, heavy ion, laser, etc 9—49853
Meyer-ter-Vehn, J. Catalysed nuclear/fusion processes 9—67805
Meyer-ter-Vehn, J. The O(6) limit of the interacting boson model and its relation to triaxial nuclear models 9—71811
Meyerhof, W.E., Anholt, R., Wolfli, W. Compound-nucleus X-rays from heavy-ion reactions 9—67768
Meyerhof, W.E., Clark, D.L., Stoller, Ch., Morenzoni, E., Wolfli, W., Folkmann, F., Vincent, P., Mokler, P.H., Armbruster, P. Molecular-orbital X-rays from 1 GeV $^{208}Pb+^{208}Pb$ and $^{209}Bi+^{209}Bi$ collisions 9—49978
Meyerhof, W.E., Ruetschi, A., Stoller, Ch., Stockli, M., Wolfli, W. L-vacancy production in near-symmetric heavy-ion collisions ($Z \gtrsim 35$) 9—89768
Meyerhof, W.E. *see* Anholt, R. 9—72393
Meyerhoff, J.L., Jacobi, J.H., Lenox, R.H., Gandhi, O.P. Comparison of microwave irradiation at 986 versus 2450 MHz for in vivo inactivation of brain enzymes in rats 9—53188
Meyerova, R.S. *see* Garb, Kh.L. 9—68355
Meyers, C., de Roo, M., Sorba, P. Group-theoretical aspects of instantons 9—97494
Meyers, K.A. *see* Spangler, S.R. 9—96922
Meyers, M.A., Guimaraes, J.R.C., Avillez, R.R. On stress-relaxation experiments and their significance under strain-aging conditions 9—57039
Meyers, M.L., Zellmer, R., Kent Sorrell, R., Seybold, P.G. Room-temperature phosphorescence of anilinonaphthalenesulfonate 'fluorescence probe' compounds 9—61429
Meyers, P.A. *see* Owen, R.M. 9—57978
Meyers, P.D. *see* Clark, A.R. 9—75779
Meyerson, B. *see* Smith, F.W. 9—100441
Meyerson, B.I., Pokhotelov, O.A. Self-consistent diffusion of trapped particles on bounce-drift resonance with geomagnetic pulsations 9—58188
Meyerson, B.I., Sasorov, P.V. Nonlinear attenuation of geomagnetic pulsations on bounce resonances 9—62681
Meylan, P. *see* Musy, A. 9—96773
Meyrick, G. Maximum solute solubilities and the Meyrick criterion for the incidence of discontinuous precipitation 9—78983
Meyrueis, P., Pharok, M., Fontaine, J. Holographic interferometry in osteosynthesis 9—88213
Meystre, P. Comment on 'space and time-dependent effects in optical bistability', by A. Abraham, R.K. Bullough and S.S. Hassan 9—94279
Meystre, P., Moore, G.T., Scully, M.O., Hopf, F.A. On velocity narrowing in free-electron lasers using electron echo techniques 9—55105
Meystre, P. *see* Bonifacio, R. 9—55174
Meystre, P. *see* Hopf, F.A. 9—59747
Meyzaud, Y., Parniere, P., Thomas, B.J., Tixier, R. Recrystallization texture development in titanium-stabilized low carbon steel sheets 9—83231
Meyzaud, Y. *see* Begou, Ph. 9—70074
Mezcua, J. *see* Solares, J.M.M. 9—84179
Mezei, F. Polarised neutrons for fundamental physics experiments 9—68120
Mezei, F. The application of neutron spin echo on pulsed neutron sources 9—81115
Mezeix, J.F. *see* Federer, B. 9—84542
Mezeix, J.F. *see* Waldvogel, A. 9—79951
Mezentsev, A.N. *see* Artukh, A.G. 9—67766
Mezentsev, I.S. *see* Zazyan, Z.F. 9—91777
Mezey, G. *see* Somogyi, M. 9—96173
Mezey, P.G. *see* Kapur, A. 9—89597
Mezhevov, V.S. *see* Baranov, V.Yu. 9—64201
Mezhgailis, V.F. Interaction forces in a ten-atom model 9—59528
Mezhov-Deglin, L.P. Thermal conductivity of perfect and deformed lead crystals at low temperatures 9—65166
Mezhov-Deglin, L.P. *see* Iznankin, A.Yu. 9—82400
Mezhov-Delgin, L.P. *see* Yefimov, V.B. 9—56021
Mezhova, N.Ya. *see* Georgiev, M.N. 9—52375
Meziere, C. *see* Ansel, D. 9—86915
Meziere, Y. *see* Galbe, G. 9—68609
Mezilev, K.A. *see* Alkhazov, G.D. 9—75957
Mezrich, J.J. Modification of spatial frequency processing rates with multiple frequency stimuli 9—53101
Mezrich, J.J. Structure visibility change with contrast reversal 9—57664
Mezzanares, F. *see* D'Agostino, P. 9—67484
Mezzetti, M. *see* Cancellieri, G. 9—50386, 9—76852
Mezzetti, M. *see* Cester, B. 9—58371
Mezzetti, M. *see* Crivellari, L. 9—58267
Mezzetti, M. *see* Giuricin, G. 9—101175
Mgbenu, E.N. Activation energy for diffusion in Au-Ge thin film couples 9—82671
Mgeladze, B.M. *see* Korshak, V.V. 9—57123
Mhone, P.G. *see* Linkens, D.A. 9—70537
Mialhe, P. Approximate technique in ESR transition probability treatments 9—78506
Miall, A.D. Tectonic setting and syndepositional deformation of molasse and other nonmarine-paralic sedimentary basins 9—57902
Miamee, A.G., Salehi, H. On the bilateral prediction error matrix of a multivariate stationary stochastic process 9—71369
Mian, G.A. Some factors influencing the performances of a speaker recognition system based on LPC 9—64431
Mian, H. *see* Ahmad, R. 9—88803
Mian, H.U. On the quantization of dissipative systems 9—92981
Miao, H. *see* Kamotani, Y. 9—81887
Miao-Fu He *see* He Miao-Fu
Miao-hong Liu *see* Liu Miao-hong
Miao-hung Liu *see* Liu Miao-hung
Miari, G. *see* Pohl, M. 9—49507
Miaw, L.-H.L., Boudreau, P.A., Pichler, M.A., Perone, S.P. Theoretical and experimental evaluation of cyclic staircase voltammetry 9—74434
Micciancio-Giammarinaro, M.S. *see* Indovina, P.L. 9—66361
Micha, D.A. Atom-polyatomic collisions: the role of pair correlation functions 9—64082
Michael, C. Large transverse momentum and large mass production in hadronic interactions 9—89115
Michael, C., Webber, D.M. Quantum chromodynamic rescattering effects off nuclear targets 9—63444
Michael, D., Houchin, J. Automatic EEG analysis: a segmentation procedure based on the autocorrelation function 9—96673
Michael, J.V., Nava, D.F., Payne, W.A., Stief, L.J. Rate constants for the reaction of atomic chlorine with methanol and dimethyl ether from 200 to 500K 9—66271
Michael, J.V., Nava, D.F., Payne, W.A., Stief, L.J. Absolute rate constants for the reaction of atomic hydrogen with ketene from 298 to 500K 9—74359
Michael, J.V., Payne, W.A., Whytock, D.A. The rate constant for O+NO+M from 217-500K in five heat bath gases 9—52626
Michael, J.V. *see* Lee, J.H. 9—66327
Michael, J.V. *see* Stief, L.J. 9—74360
Michael, J.V. *see* Whytock, D.A. 9—66283
Michael, L.C. *see* Shuman, M.S. 9—74446
Michael, M. *see* Leonard, W.F. 9—78190
Michael, P.J. *see* Bryan, W.B. 9—88336
Michael, W. *see* Kass, R.D. 9—93472
Michaeli, G., Gallily, I. Mass growth measurements of freely falling ice crystals produced by two different seeding methods 9—87570
Michaelis, D. Long-term thermal storage in solar architecture in northern latitudes, with reference to typical single family dwellings 9—57473
Michaelis, E.G. *see* Bos, K. 9—85531
Michaelis, T.D. Laser diode evaluation for optical analog link 9—68395
Michaels, H.B. *see* Epp, E.R. 9—53194
Michailov, A.V. *see* Ivanov-Kholodny, G.S. 9—96939
Michailov, E. *see* Paunov, M. 9—65994
Michalec, J. Rarefaction-wave splitting in polarizable solid media in outer electric field 9—90168
Michalik, J., Kevan, L. Temperature dependence of electron spin-lattice relaxation of presolvated and solvated electrons in methanol-water matrices 9—57260
Michalke, A., Michel, U. Relation between static and in-flight directivities of jet noise 9—86289
Michalke, W. *see* Bruckner, W. 9—99587
Michalodimitrakis, M. On the continuation of periodic orbits from the planar to the three-dimensional general three-body problem 9—66908
Michalodimitrakis, M. A contribution to the three-dimensional Copenhagen problem 9—75081
Michalon, A. *see* Braun, H. 9—58969, 9—93450
Michalon-Mentzer, M.-E. *see* Braun, H. 9—58969, 9—93450
Michalowicz, A. *see* Crabb, D.G. 9—63528
Michalski, A. *see* Sokolowski, M. 9—52686, 9—95938
Michalski, E., Demianiuk, M., Zmija, J. On the Laue method for investigation of ZnS crystals with stacking faults 9—94847
Michalsky, J.J., Schuster, G.J. The wavelength dependence of interstellar circular polarization: an exception 9—92819
Michard, G., Ouzounian, G. Dissolution of a solid solution. Preliminary study 9—52734
Michard, G., Ouzounian, G., Fouillac, C., Sarazin, G. Inspection of the concentrations of aluminium dissolved in hot spring waters 9—74913
Michard, G. *see* Fouillac, C. 9—53369
Michard, R. 'Sequences' and 'populations' of early-type galaxies 9—58415
Michard, R. Luminosity criteria for E-S0 galaxies 9—97065
Michaud, G. *see* Borsenberger, J. 9—88664
Michaud, G. *see* Fontaine, G. 9—92761
Michaut, J.P., Roncin, J., Sienkiewicz, A. Temperature and pressure dependence studies of the motions of the $^+NH_3$ radical trapped in γ irradiated ammonium perchlorate single crystal 9—95648
Michel, A.N. *see* Gutmann, R.L. 9—71368
Michel, B. Elastic interaction of point defects and volume defects near interfaces 9—65115
Michel, B., Gastaut, J.L., Bianchi, L. Electroencephalographic cranial computerized tomographic correlations in brain abscess 9—83899
Michel, B. *see* Courau, A. 9—67529
Michel, C.C. *see* Ogston, A.G. 9—83717
Michel, F., Vanderpoorten, R. Investigation of the deep interior of the α-nucleus interaction around A=40 9—49632
Michel, F.C. 'New' synchronization procedure in noninertial systems 9—53975
Michel, G.W. *see* Gugan, D. 9—63222
Michel, H. *see* Berneron, R. 9—79164
Michel, H. *see* Kuppers, J. 9—86996, 9—90851
Michel, H. *see* Reichelt, A. 9—72701
Michel, J.-C. *see* Budin, J.-P. 9—55140
Michel, K.H., Naudts, J. Dynamics of translations and rotations in molecular crystals 9—51215
Michel, K.H. *see* De Raedt, B. 9—60442
Michel, L. Comment on contribution of P. Langacker [Final state polarization in neutrino induced reactions] 9—67531
Michel, M. *see* Hauden, D. 9—55291
Michel, P. *see* Boudeulle, M. 9—51058
Michel, P. *see* Jardin, C. 9—100468
Michel, R., Brinkmann, G., Weigel, H., Herr, W. Measurement and hybrid-model analysis of proton-induced reactions with V, Fe and Co 9—67749

Michel, R., Jourdan, C., Castaldi, J., Derrien, J. On the initial interaction of oxygen with the (111) and (100) aluminium surfaces 9—83383
Michel, R. *see* Koide, M. 9—88027
Michel, R.L., Linick, T.W., Williams, P.M. Tritium and carbon-14 distributions in seawater from under the Ross Ice Shelf Project ice hole 9—88371
Michel, U. *see* Fuchs, H.V. 9—77121
Michel, U. *see* Michalke, A. 9—86289
Michel-Beyerle, M.E. *see* Albrecht, W.G. 9—61423
Michel-Beyerle, M.E. *see* Haberkorn, R. 9—83810
Michel-Calendini, F.M., Chermette, H., Pertosa, P. SCF MS Xα determination of ionization energies and atomic populations of octahedral TiO_6^{-8} cluster 9—72244
Michel-Calendini, F.M. *see* Chermette, H. 9—93923
Michel-Levy, M.C. Estimation of the porosity of some chondrites by image analysis of polished sections 9—71009
Michel-Piper, I. *see* Eberle, H. 9—49691
Micheletti, S. *see* Fabrici, E. 9—93633
Michelini, A. *see* Badier, J. 9—93460
Michelis, C.De *see* De Michelis, C.
Michels, D.B., West, J.B. Distribution of pulmonary ventilation and perfusion during short periods of weightlessness 9—83951
Michels, H.H., Hobbs, R.H., Wright, L.A. Visible photoabsorption by noble-gas trimer ions 9—98112
Michels, J.P.J., Trappeniers, N.J. Molecular dynamical calculations on the viscosity of a square well fluid 9—98847
Michels, J.P.J., Wiegel, F.W. Distribution of free flight times in a hard sphere gas 9—98846
Michels, M.A.J., Suttorp, L.G. Energy shifts and the S matrix in degenerate perturbation theory 9—75693
Michels, M.A.J., Suttorp, L.G. Block diagrams and the cancellation of divergencies in energy-level perturbation theory 9—80751
Michelsen, P. *see* Karpman, V.I. 9—77395
Michelsen, P. *see* Sugai, H. 9—86575
Michelutti, B. *see* Barbara, B. 9—87291
Micheron, F. Properties and applications of polarized dielectrics electrets, oriented polymers and ferroelectrics 9—51902
Micheron, F. *see* Houlier, B. 9—50362
Michie, R.B. *see* Oakes, M.E. 9—60120
Michihiro, Y. *see* Hikosaka, K. 9—89140
Michikami, O. *see* Tsurumi, S. 9—52278
Michipor, V.V. *see* Sharovarov, G.A. 9—59157
Michiyoshi, I. *see* Makino, K. 9—68558
Michiyoshi, I. *see* Zushi, H. 9—82055
Michl, J. *see* Jonkman, H.T. 9—74441
Michl, J. *see* Zilm, K.W. 9—59491
Michman, M. *see* Balog, M. 9—100055
Micka, K., Svata, M., Koudelka, V. Study of structural factors of lead-acid battery electrodes 9—100516
Mickelson, A.R. *see* Jaggard, D.L. 9—86109
Mickens, R.E. Long-range interactions 9—54001
Mickey, M.R. *see* Kamm, C. 9—96577
Micklinghoff, M. Shell model description of the optical model potential 9—93580
Micklitz, H. *see* McNab, T.K. 9—85924
Micnas, R., Kowalewski, L. Dyson equation for transverse Ising Paramagnet 9—82736
Micocci, G. *see* De Blasi, C. 9—65793, 9—76278
Micolon, P. *see* Allemand, L. 9—81126
Middelhoek, S., Beke, W.S.M. A lecture demonstration of energy level splitting in the hydrogen molecule based on coupled electric resonant circuits 9—49949
Middelkoop, G.Van *see* Van Middelkoop, G.
Middleditch, J., Mason, K., Nelson, J., White, N. 4U 1626—67 9—62934
Middleditch, J., Nelson, J. WZ Sagittae 9—92781
Middleditch, J. *see* Charles, P. 9—97103
Middleditch, J. *see* Seitzer, P. 9—92894
Middleton, B.K. Domain-wall energies in thin magnetic films 9—99721
Middleton, J.H. Times of rise for turbulent forced plumes 9—100932
Middleton, R., Zurmuhle, R.W., Klein, J., Kollarits, R.V. Search for an anomalously heavy isotope of oxygen 9—81290
Middleton, R. *see* Fortune, H.T. 9—63684
Middleton, R. *see* Mordechai, S. 9—63594
Midgett, M.R. *see* Mitchell, W.J. 9—83682
Midgley, D. Coherent radiation on to a moving target 9—75435
Midgley, D. Solid-state ion-selective electrodes for the potentiometric determination of phosphate 9—92044
Midorikawa, M., Ishibashi, Y., Takagi, Y. Optical and dilatometric studies of $KCaCl_3$ and $RbCaCl_3$ crystals 9—61394
Midorikawa, M., Miwa, S., Ishibashi, Y. Successive phase transitions in $KMgCl_3$ 9—100132
Midorikawa, S. BRS symmetry for Abelian gauge theories 9—54257
Midorikawa, S., Kobayashi, H. On estimation of strong earthquake motions with regard to fault rupture 9—88307
Midorikawa, S. *see* Kobayashi, H. 9—88291
Midryi, A.V. *see* Minaev, N.S. 9—91496
Midtbo, K.H. *see* Isaksen, I.S.A. 9—53512
Miedema, A.R. The formation enthalpy of monovacancies in metals and intermetallic compounds 9—90649
Miedema, A.R., Gingerich, K.A. On the formation enthalpy of metallic dimers 9—74411
Miedema, A.R., Gingerich, K.A. On the enthalpy of formation of diatomic intermetallic molecules 9—83497
Miedema, A.R. *see* Bouten, P.C.P. 9—91622
Miedema, A.R. *see* De Boer, F.R. 9—77545
Miedema, A.R. *see* Dorleijn, J.W.F. 9—56198
Mielcarek, W., Raczynski, J. The determination of the size of crystallites by X-ray and electron diffraction techniques 9—100153
Mielcarski, M. *see* Poninski, M. 9—82458
Mielke, E.W. Mass formula for solitons with quantized charge 9—93282
Mienska-Tomczyk, M. Temperature dependent photobleaching of trapped electrons in γ-irradiated ethylene glycol-water glass 9—66320
Mier, M.G., Blasingame, J.M. Ellipsometric measurement of magnetic bubble films 9—78463
Mier, M.G., Blasingame, J.M., Searle, C.W., Maartense, I., Wigen, P.E., Omaggio, J.P., Globe, M.P., Limaye, P.S. Magnetic characterization of thin bubble films 9—78462
Mier, M.G. *see* Omaggio, J.P. 9—78461
Mier-Jedrzejowicz, W.A.C., Southwood, D.J. The east-west structure of mid-latitude geomagnetic pulsations in the 8-25 mHz band 9—62686
Mierlo, G.W.M.van *see* van Mierlo, G.W.M.
Mierlo, J.Van *see* Van Mierlo, J.
Miersemann, E. On positive solutions of eigenvalue equations with application to second order elliptic equations and buckling problems for a plate 9—68610
Miertus, S., Kysel, O. Quantum-chemical study of radical ions and molecules incorporating the solvent effect. Comment on the method of incorporation of the solvent effect 9—93935
Miertus, S. *see* Pullman, B. 9—92127
Mierzecki, R. The 50th anniversary of the discovery of the Raman effect 9—75314
Mierzecki, R. The representation of the scattering tensors by ellipsoids and by hyperboloids 9—91452
Mies, F.H., Julienne, P.S. Oscillatory excimer emission: an analytic model 9—59675
Mies, F.H. *see* Krauss, M. 9—81416
Mieskes, W. *see* Ardelean, I. 9—51982
Miethe, K., Schiebel, U., Neufert, A. Small angle scattering of 350 keV protons in silicon at grazing incidence 9—83085
Miettinen, H.E. *see* Albrow, M.G. 9—75805
Miftakhutdinova, F.G. *see* Anisimov, A.V. 9—57612, 9—92139
Migachev, S.A. *see* Vladimirtsev, Yu.V. 9—73893
Migal', V.P. *see* Sholkina, M.V. 9—69560
Migalenya, V.Ya. *see* Shilyaev, B.A. 9—90703
Migdal, A.B. On the psychology of scientific creativity 9—49010
Migdal, A.B., Chernoustsan, A.I., Mishustin, I.N. Pion condensation and dynamics of neutron stars 9—67047
Migdal-Mikuli, A. *see* Janik, J.A. 9—87444
Migdalek, J., Baylis, W.E. Relativistic Hartree-Fock oscillator strengths for lowest $np^2P_{1/2,3/2} \rightarrow (n+1)s^2S_{1/2}$ and $np^2P_{1/2,3/2} \rightarrow nd^2D_{3/2,5/2}$ transitions in Ga I, In I and Tl I with allowance for core polarisation 9—89609
Migdalek, J., Baylis, W.E. Relativistic Hartree-Fock oscillator strengths for the lowest s→p and p→d transitions in the first few members of the Ag(I) and Au(I) isoelectronic sequences, with allowance for core polarization 9—98034
Migdalek, J., Baylis, W.E. Relativistic Hartree-Fock oscillator strengths for the lowest s→p transitions in the first few members of the Rb(I) and Cs(I) isoelectronic sequences, with allowance for core polarization 9—98035
Migeon, M. *see* Dhamelincourt, M.-C. 9—69834
Migirdicyan, E. *see* Despres, A. 9—52721
Miglei, M.F. *see* Bodiul, P.P. 9—82615
Migliaccio, G. *see* Pea, I. 9—74717
Miglietta, F. Continuity equations for transverse multipole amplitudes for both the electromagnetic and the asymptotic gravitational field 9—58609
Miglietta, F. Electromagnetic quadripotential for the pure-radiation field generated by a classical charged point-particle 9—63058
Miglietta, F. Non-Lorentzian electromagnetic quadripotentials for the field of a classical point particle 9—71263
Miglietta, F. Nonlinear two-valued realizations of $GL_{4,R}$ 9—80748
Miglietta, F. Internal $GL_{2,c} \times GL_{2,c}^*$ symmetry of Dirac equation with external electromagnetic field 9—93324
Miglio, J.J. The determination of americium, curium and californium in biological samples by combined solvent extraction-liquid scintillation counting 9—53260
Mignani, R. *see* Dattoli, G. 9—63382, 9—97596
Mignerey, A.C. *see* Breuer, H. 9—76020
Mignerey, A.C. *see* Hilscher, D. 9—93591, 9—93653
Migneron, R. *see* Andersson, B. 9—89131
Mignon, J. *see* Gaspard, C. 9—82172
Mignon, J. *see* Messien, P. 9—91704
Mignot, A.-L. *see* Labbe, P. 9—72819
Mignot, J.M. *see* Haen, P. 9—60811, 9—82588
Miguel, A.H., Friedlander, S.K. Distribution of benzo[a]pyrene and coronene with respect to particle size in Pasadena aerosols in the submicron range 9—74563
Miguel, M.San *see* San Miguel, M.
Miguel Lopez, J.M. Myoelectric aids for hand-prostheses 9—84011
Migus, A. *see* Fork, R.L. 9—87439
Migus, A. *see* Leheny, R.F. 9—99583
Mihai, I. *see* Abou-Leila, M.A.A. 9—85576
Mihai, I.C., Muller, L.P. Charge transport in Bi_2Se_3 amorphous thin layers 9—60841
Mihai, V. *see* Bunget, I. 9—60837
Mihaila, C., Plopeanu, D. Considerations regarding the influence of deposits on the operation of multitube type heat exchangers 9—94467
Mihailescu-Suliciu, M., Suliciu, I. Energy for hypoelastic constitutive equations 9—92940
Mihailov, M., Minkova, L., Nedkov, E., Kircheva, R. On the polyethylene supermolecular structure, obtained at low pressure 9—64126
Mihailov, M. *see* Nedkov, E. 9—65003
Mihailov, M. *see* Simov, S. 9—78151
Mihailovic, P. *see* Nikolic, P.M. 9—56870
Mihajlov, M.H. *see* Strezov, A.S. 9—87004
Mihalczo, J.T., Pare, V.K. Feasibility of reactivity determination from neutron noise spectral density with ^{252}Cf in the initial loading of light-water-moderated reactors 9—81002
Mihalczo, J.T. *see* Lillie, R.A. 9—59257
Mihalisin, T. *see* Bossard, P. 9—78399
Mihalisin, T. *see* Scoboria, P. 9—78068
Mihalov, J.D., Wolfe, J.H. Pioneer 10 studies of interplanetary shocks at large heliocentric distances 9—84621
Mihalov, J.D. *see* Intriligator, D.S. 9—96861
Mihaly, G. Investigation of direct current conductivity and thermo-electric force of organic charge transfer salts 9—56251
Mihaly, G., Janossy, A., Kurti, J., Forro, L., Gruner, G. Nonlinear transport in $Qn(TCNQ)_2$ 9—78088
Mihaly, G., Janossy, A., Kurti, J., Forro, L., Gruner, G. Nonlinear transport in $Qn(TCNQ)_2$ 9—87089
Mihaly, G., Mihaly, L. Nonlinear transport in one-dimensional materials due to bound quantum solitons 9—51558
Mihaly, G., Mihaly, L. Nonlinear transport in one-dimensional materials due to bound quantum solitons 9—78089
Mihaly, G. *see* Holczer, K. 9—69501, 9—73500, 9—78608, 9—91340
Mihaly, L. Approximate treatment of two soliton solutions of the sine-Gordon equation 9—88838
Mihaly, L. Soliton model for the dielectric permeability of some quasi one-dimensional charge transfer salts 9—91338
Mihaly, L., Zawadowski, A. Fermi liquid theory of the degenerate Anderson model 9—90935
Mihaly, L. *see* Mihaly, G. 9—51558, 9—78089
Mihama, K. *see* Tanaka, N. 9—95030
Mihama, K. *see* Yamauchi, K. 9—56919
Mihara, K. *see* Fujii, T. 9—50574
Mihara, M. *see* Toyoda, N. 9—95288
Mihara, S. *see* Yokozeki, S. 9—63298
Mihas, A.A. *see* Goldenberg, D.J. 9—100719
Mihich, L. *see* Antoci, S. 9—99482
Mihu, R. *see* Angelescu, T. 9—63855
Mihul, A. *see* Angelescu, T. 9—63855
Mihul, A. *see* Falomkin, I.V. 9—85376
Mihul, A.L.M. *see* Balea, E. 9—63520
Miida, R., Wey, M.Y., Watanabe, D. Superstructures in the Pd-Mn system 9—94958
Miike, H. *see* Koga, K. 9—57640
Miiller, A.P., Cezairliyan, A. Radiance temperature (at 653 nm) of palladium at its melting point 9—90805
Mijlhoff, F.C. *see* Huisman, P.A.G. 9—76421
Mijnarends, P.E. Electron momentum densities in metals and alloys 9—99976
Mijnarends, P.E., Bansil, A. Electron momentum density in disordered muffin-tin $Cu_{1-x}Ni_x$ in the average-t-matrix approximation 9—69390
Mijnarends, P.E., Singru, R.M. Point-geometry angular correlation curves for Cu: A study of enhancement in positron annihilation 9—95873
Mijoule, C., Leclercq, J.M. Theoretical investigations of the metastable triplet state of benzophenone 9—54776
Mikaberidze, M.P. *see* Mandzhgaladze, S.N. 9—57140
Mikac-Dadic, V. *see* Jednacak-Biscan, J. 9—78152
Mikaelian, K.O., Oakes, R.J. Charmed-baryon production in electron-positron annihilation 9—49530
Mikaelian, K.O., Samuel, M.A., Sahdev, D. Magnetic moment of weak bosons produced in pp and pp̄ collisions 9—97640

Mikaelyan, A.L., Koblova, M.M., Kiselev, B.S., Zasovin, E.A. Fast-response broad-band lithium niobate electrooptic elements for laser beam control systems 9—89944

Mikaelyan, L.A. *see* Aleshin, V.I. 9—89340

Mikaelyan, L.A. *see* Borovoi, A.A. 9—67897

Mikage, F. *see* Todd, P. 9—62307

Mikahilov, V.A. *see* Baldin, A.M. 9—72125

Mikailoff, H. *see* Blanchard, P. 9—97816

Mikalkevichyus, M.P., Tumkevichyus, K.K., Yutsis, G.A. Investigation of the scattering of visible light by layers of amorphous Sb_2S_3 as a function of the substrate temperature during deposition 9—65950

Mikami, M., Konno, M., Saito, Y. The structure changes and the spin phase transition mechanism of a spin crossover complex, $[Fe(2\text{-}pic)_3]Cl_2.EtOH$ 9—78380

Mikami, O., Zembutsu, S. Coupling-length adjustment for an optical directional coupler as a 2×2 switch 9—94370

Mikami, O., Zembutsu, S. Modified balanced-bridge switch with two straight waveguides 9—98506

Mikami, T. *see* Kawahara, K. 9—70525

Mikami, T. *see* Mitamura, Y. 9—84021

Mikami, T. *see* Onuma, T. 9—96708

Mikami, Y., Noguchi, M., Yamaguchi, T. A monitor photometer for 91 cm telescope at the Dodaira Station 9—101071

Mikamo, S. *see* Ono, M. 9—76029

Mikautadze, R.V. *see* Bandzeladze, A.E. 9—70279

Mikawa, H. *see* Sano, Y. 9—95831

Mikawa, T. *see* Kaneda, T. 9—80680, 9—87143

Mikazuki, T. *see* Takigawa, Y. 9—69540

Mikel'son, A.E. *see* Krumin', Yu.L. 9—77284

Mikenberg, G. *see* Brandelik, R. 9—63491, 9—93441

Mikenberg, G. *see* Cutts, D. 9—85346

Mikerina, N.V. *see* Ivanov, K.G. 9—53653

Mikhail, I., Peters, K. The structure of potassium tetrachlorozincate 9—55705

Mikhail, J.S. *see* Canto, J. 9—67081

Mikhail, M.N. Optimum design of wind tunnel contractions 9—77157

Mikhail, R.Sh., Youssef, A.M., El-Nabarawy, T. Surface properties and catalytic activity of pure and silica-coated aluminas 9—79287

Mikhailenko, N.Yu. *see* Pavlushkin, N.M. 9—60280

Mikhailenko, S.A., Petrunina, E.B., Khatuntsev, V.I. Effect of thermodynamic conditions on the time correlation functions attenuation in Lennard-Jones liquid. Numerical experiments 9—60244

Mikhailenko, S.A., Yakuba, V.V. Rotation self-diffusion and nuclear magnetic relaxation in liquid methane-krypton mixtures 9—69745

Mikhailenko, V.I., Grosul, V.P., Red'kin, Yu.R. Quasilinear spectra of 'double' molecules with weak resonance bonds 9—94030

Mikhailichenko, E.N. *see* Mazur, V.I. 9—52187

Mikhailichenko, O.M. *see* Gvozdev, M.I. 9—75105

Mikhailichenko, T.A., Tarasko, D.I., Alalykin, A.B., Sinyavskii, A.F. Device for rapid test of abrasive wear 9—87780

Mikhailov, A.A. Preliminary data on the path of the total solar eclipse of July 31, 1981 9—88640

Mikhailov, A.A. *see* Krasil'nikov, D.D. 9—80115

Mikhailov, A.I. *see* Baldin, A.M. 9—72125

Mikhailov, A.I. *see* Devkin, V.I. 9—92119

Mikhailov, A.I. *see* Gorshkov, V.G. 9—93959

Mikhailov, A.I. *see* Vitushkin, L.F. 9—54815

Mikhailov, A.M., Andriashvili, I.A., Petrovskii, G.V., Kaftanova, A.S. Structure of bacteriophage FI-5^+ in intact state 9—70513

Mikhailov, A.S. Noise-induced phase transition in a biological system with diffusion 9—100560

Mikhailov, A.V., Perelomov, A.M. Solutions of instanton type in supersymmetric chiral models 9—58901

Mikhailov, B.A. *see* Arkatova, T.G. 9—71512

Mikhailov, G.S. *see* Razhenov, V.G. 9—68618

Mikhailov, I.G. *see* Bogdanov, V.N. 9—94865

Mikhailov, I.G. *see* Grigor'ev, S.B. 9—90733

Mikhailov, I.G. *see* Manucharov, Yu.S. 9—95085

Mikhailov, I.G. *see* Nikonov, A.M. 9—64980

Mikhailov, I.I. *see* Abramyan, Yu.A. 9—75597

Mikhailov, I.N. Some aspects of reduction of observed gravity fields 9—84537

Mikhailov, I.N. *see* Ignatyuk, A.V. 9—97649

Mikhailov, L.A. Calculation of the parameters of the process and the gas conditions during carburizing 9—96208

Mikhailov, M., Terlemezyan, L., Ganchev, B., Ivanova, B., Bogdanov, B., Khristov, M. The dependence of the properties of styrene copolymers on their component composition 9—66291

Mikhailov, M.V. *see* Medvedev, Yu.A. 9—64148

Mikhailov, O.E. *see* Zhurkin, V.V. 9—89313

Mikhailov, O.M. *see* Gorodinskii, G.M. 9—71507

Mikhailov, O.M. *see* Kadaner, A.P. 9—72699

Mikhailov, S.I. *see* Basov, N.G. 9—94298

Mikhailov, S.I. *see* Efimkov, V.F. 9—98445

Mikhailov, S.I. *see* Zubarev, I.G. 9—64284

Mikhailov, V.F., Pelevin, O.V., Sokolov, A.M., Khorvat, A.M. Solid phase-liquid equilibrium in the system Pb-Sn-Te above 750°C 9—82316

Mikhailov, V.G. *see* Lisovets, Yu.P. 9—76727

Mikhailov, V.S., Krapavin, A.M., Bystrov, P.I., Pokandyuk, G.I. Investigation of gasdynamics of a vapor stream in heat pipes under turbulent conditions 9—90335

Mikhailov, V.V. Gas flow from a finite volume through a Laval nozzle 9—81942

Mikhailov, V.V., Khaskin, L.Ya. Escape of gas from a vessel into a vacuum 9—86394

Mikhailov, V.V. *see* Kogan, M.N. 9—90273

Mikhailov, Yu.A., Glazunov, Yu.T. A variational principle for nonlinear simultaneous transport processes 9—58653

Mikhailov, Yu.A. *see* Getts, K. 9—68953

Mikhailov, Yu.N. *see* Alekseev, N.E. 9—64236

Mikhailov, Yu.V. *see* Apel', V.D. 9—67609, 9—89194

Mikhailov, Yu.V. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464

Mikhailova, A.M., Ukshe, E.A. Behavior of iodine electrodes in solid electrolytes 9—70348

Mikhailova, E.N., Shapiro, N.B. On one cause for vortex formation in the ocean 9—100859

Mikhailova, G.N. *see* Manenkov, A.A. 9—87047

Mikhailova, L.F. *see* Baraboshkin, A.N. 9—55687

Mikhailova, M.P. *see* Agaev, Ya. 9—91137

Mikhailova, N.A. *see* Bogachev, I.N. 9—70153

Mikhailova, N.V. *see* Sidorovich, A.V. 9—57029

Mikhailova, Z.V. *see* Vorob'eva, L.M. 9—88926

Mikhailovskaya, E.V. *see* Kostyshin, M.T. 9—69512

Mikhailovskii, A.B., Lominadze, D.G., Kaladaze, T.D., Tsamalashvili, L.V. Quasi-linear relaxation of trapped α-particles in a Tokamak reactor during cyclotron magneto-acoustic instability 9—55487

Mikhailovskii, A.B. *see* Kaladze, T.D. 9—73024

Mikhailovskii, A.B. *see* Krymskii, A.M. 9—98947

Mikhailovskii, A.B. *see* Lominadze, D.G. 9—60158

Mikhailovskii, A.B. *see* Lominadze, J.G. 9—60119

Mikhailovskii, I.M., Dranova, Zh.I., Ksenofontov, V.A., Kul'ko, V.B. Field-ion microscopic study of collective field evaporation of tungsten atoms 9—61504

Mikhailovskii, Yu.N. *see* Grivtsov, A.C. 9—74011

Mikhal'chenko, R.S. *see* Verkin, B.I. 9—58732, 9—59902, 9—59903

Mikhal'chenko, V.P. *see* Ivanov, S.A. 9—65156

Mikhalenko, V.S. *see* Vehanen, A. 9—56882

Mikhalev, A.N. Interference study of the hypersonic near wake of a cone 9—64665

Mikhalevich, A.A. *see* Anrizheivskii, A.A. 9—68823

Mikhalevich, A.A. *see* Volodin, V.I. 9—59971

Mikhalevich, V.G. *see* Lyamshev, M.L. 9—95084

Mikhalevsky, P.N. First-order statistics for finite bandwidth multipath signals with and without frequency or phase modulation 9—98550

Mikhal'tsev, A.V. *see* Kozyrev, V.S. 9—74875

Mikhal'tsova, I.A. *see* Dontsova, V.V. 9—98310

Mikhashchuk, E.P. *see* Kazakyavichyus, K.A. 9—83237

Mikhaylov, M.V., Ostrovskiy, G.I. Computation of a magnetically quiet nighttime F_2 region of the mid-latitude ionosphere 9—62650

Mikheenko, S.G. *see* Zelenin, V.N. 9—71005

Mikheev, L.D. *see* Dobychin, S.L. 9—64076

Mikheev, M.N., Belenkova, M.M., Vitkalova, R.N., Makhnev, E.S., Gapeka, T.M. Investigation of the $\alpha \rightleftarrows \gamma$ transformations in steels VKS-210 and VNS-2USh by thermomagnetic structural analysis methods 9—83197

Mikheev, M.N., Fridman, L.A., Morozova, V.M., Tabachnik, V.P., Bida, G.V., Gorkunov, E.S., Chernova, G.S. Using coercimeters with attached electromagnets to inspect massive steel objects 9—70277

Mikheev, M.N. *see* Aronson, E.V. 9—52601

Mikheev, N.I. Ferrochromecobalt alloys for permanent magnets 9—91809

Mikheev, N.V. *see* Lipmanov, E.M. 9—54298

Mikheev, V.A. *see* Eselson, B.N. 9—56029

Mikheev, V.L. The experimental methods of heavy ion physics 9—49900

Mikheev, V.L. *see* Artukh, A.G. 9—67766

Mikheev, V.V. *see* Pevzner, B.I. 9—52504

Mikhelashvili, M.S. *see* Kilin, S.F. 9—56834

Mikhelashvili, T.Ya. *see* Macharadze, T.S. 9—75825

Mikhel'son, N.N. Temperature defocusing in reflectors with zero expansion material mirrors 9—96912

Mikhin, N.M., Litvinov, V.N., Kragel'skii, I.V. Effect of normal stresses on the realization of a selective transport mode with friction 9—87735

Mikhin, N.P. *see* Eselson, B.N. 9—56029

Mikhina, G.F., Vorontsov, E.S. Peculiarities in initial stages of oxidation of OTCh-1 titanium alloy in nitrogen-oxygen mixture 9—74302

Mikhlin, E.Ya., Chkuaseli, V.F. Gas porosity arising on annealing irradiated beryllium 9—73222

Mikhlyaev, S.V., Chugui, Yu.V. Operational formation of tolerance fields in monitoring component shape 9—94154

Mikhnov, S.A. *see* Korochkin, L.S. 9—64259, 9—94313

Mikhov, M. *see* Apostolov, A. 9—75556

Miki, K. Deformation analysis of fuel pins within the wire-wrap assembly of an LMFBR 9—71915

Miki, M., Amano, Y. Grain boundary reaction in Cu-30%Ni-0.5%Be alloy 9—70089

Miki, M., Amano, Y. Grain boundary reaction in Cu-30% Ni-Al alloys 9—70090

Miki, N., Nagai, N., Nomura, T. Speech synthesizer terminal using a microprocessor 9—81660

Miki, N. *see* Nomura, T. 9—81661

Miki, R. *see* Tomabechi, K. 9—97801

Miki, T., Ikeya, M. Atmospheric radioactivity in calcite caves at Akiyoshi Karst Plateau 9—83671

Miki, T. *see* Ikeya, M. 9—81092

Miki, T. *see* Kobayashi, I. 9—80661

Mikic, B.B. *see* Chao, J. 9—81087

Mikielewicz, J., Wilson, D.G., Tak-Chee Chan, Goldfinch, A.L. A method for correlating the characteristics of centrifugal pumps in two-phase flow 9—98790

Mikirtich'yants, S.M. *see* Barsov, S.G. 9—87370

Mikirtichyants, S.M. *see* Gordeev, V.A. 9—56675

Mikitishin, S.I., Koshevoi, N.S., Kotur, Ya.M., Gritsishin, P.M., Zelenyi, Yu.I. Cracking resistance of steels 40Kh and 35KhGSA in a high-strength condition 9—52252

Mikitishin, S.I., Petrivskii, R.I., Krasovskaya, G.M., Alekseev, S.N., Dikii, I.I., Zozulyaka, V.A. Device for generating and measuring axially symmetrical cracks in cylindrical specimens 9—52508

Mikityuk, V.I. *see* Starik, P.M. 9—73154

Mikityuk, Z.M. *see* Dutchak, Ya.I. 9—60274

Mikk, I.R., Veski, A.Yu., Kruus, R.A. Convective heat transfer from a tube bundle in asymmetric flow 9—98710

Mikke, K., Jankowska, J. Spin waves in Ni-Fe and Ni-Co FCC alloys 9—51769

Mikkelsen, J.C. *see* Friend, R.H. 9—95410

Mikkelsen, J.C. *see* Liang, W.Y. 9—61379

Mikkelsen, J.C., Jr. *see* Galeener, F.L. 9—69838

Mikkelsen, J.C., Jr. *see* Nemanich, R.J. 9—95771

Mikkelsen, J.C., Jr. *see* Stutius, W. 9—87526

Mik'kin, V.M., Shchavelev, O.S., Zheltov, V.B. Mechanical strength and heat resistance of neodymium glasses 9—76776

Miklayaev, P.G. *see* Kuzginov, V.I. 9—57168

Mikler, J. Utilization of solar energy for building heat supply 9—83566

Mikocki, S. *see* Baiburina, S.G. 9—80156

Mikolas, M., Bardocz, L. On a generalization of the Hagen-Poiseuille law and its technical applications 9—81980

Mikols, W.J., Romero, L.S., Bonner, W.F. Recent advances in spray calcination of nuclear waste 9—59212

Mikoshiba, N. *see* Imai, S. 9—73636

Mikoshiba, S., Shirai, S., Shinada, S., Fukushima, M. Saturation of Zn_2SiO_4:Mn luminescence under intense VUV excitation 9—56841

Mikosz, R.P., Andriacchi, T.P., Hampton, S.J., Galante, J.O. The importance of limb segment inertia on joint loads during gait 9—92270

Mikrocki, S. *see* Baiburina, S.G. 9—80170

Mikryukov, Ch.K. *see* Krishberg, R.R. 9—77279

Mikryukova, I.N. *see* Birzvalk, Yu.A. 9—77283

Miks, A. Single-radius doublet 9—76791

Mikula, R.J., Garner, D.M., Fleming, D.G., Marshall, G.M., Brewer, J.H. Muonium formation in gases 9—57272

Mikula, R.M. *see* Fleming, D.G. 9—57274

Mikulecky, D.C., Thomas, S.R. Network thermodynamic simulation of nonlinear, coupled, dynamic physiological systems 9—96504

Mikulenok, V.V. *see* Gabeskiriya, V.Ya. 9—71938

Mikuli, E. *see* Janik, J.A. 9—87444

Mikulinsky, M., Fishman, S. Electrical noise in equilibrium conditions 9—56274

Mikulinsky, M.A. The relationship between 1/f and $1/\Delta f$ noises 9—78143

Mikumo, E. *see* Ohta, I. 9—49905

Mikumo, T. *see* Tagishi, Y. 9—67740

Mikuni, H. *see* Nagai, K. 9—57257

Mikuriya, N. *see* Nishikawa, H. 9—65091

Milakofsky, L., Patterson, H.O. Chemical education and Piaget. A new paper-pencil inventory to assess cognitive functioning 9—80386

Milam, D. *see* Pawlewicz, W.T. 9—50333

Milani, M. *see* Bonifacio, R. 9—51723

Milani, S. *see* Emert, C.J. 9—54590

Milanich, A.I. *see* Danilychev, V.A. 9—59779

Milankovic, Lj. *see* Boreli, F. 9—50919

Milano, L. *see* Cester, B. 9—58371

Milano, L. *see* Mancuso, S. 9—71073

Milano, R.A., Windhorn, T.H., Anderson, E.R., Stillman, G.E., Dupuis, R.D., Dapkus, P.D. $Al_{0.5}Ga_{0.5}As$-GaAs heterojunction phototransistors grown by metalorganic chemical vapor deposition 9—67380

Milanovich, F. *see* Penn, L. 9—65871

Milanowski, G.J. *see* Drost, C.J. 9—83871

Milat, O., Kunstelj, D. Crystallisation of amorphous Zr-Fe alloy quenched by the levitation method 9—55669

Milazzo, G. *see* Caroli, S. 9—72263, 9—72264

Milburn, R.H. *see* Shupe, M.A. 9—63485

Mil'chenko, V.Yu., Kochan, V.A., Sachenko, A.A., Kochan, V.V. Digital temperature-measuring instrument with automatic error compensation of the thermoelectric thermometer 9—75526
Milcoveanu, D. A synthesis of models and spectral diagrams useful for the interpretation, by Fourier analysis, of gravimetric and magnetometric explorations 9—58123
Milcoveanu, D. The correlation function and new possibilities for its use in geophysics 9—58124
Milczarek, J. *see* Ciszewski, R. 9—50953
Milder, F.L., Booth, E.C., Chasan, B., Bernstein, A.M., Comuzzi, J., Franklin, G., Nagl, A., Uberall, H. Positive-pion photoproduction on ^{12}C near threshold 9—59049
Mildner, D.F.R., Sinclair, R.N. Considerations for a cold moderator on a pulsed neutron source 9—76219
Miledi, R., Parker, I., Schalow, G. Transition temperature of excitation-contraction coupling in frog twitch muscle fibres 9—83751
Miledi, R. *see* Bregestovski, P.D. 9—70546
Mileiko, S.T. *see* Anishchenkov, V.M. 9—87725
Milenin, V.M., Mustin, A.A., Timofeev, N.A. Low-pressure pulsed mercury discharge 9—64916
Milenin, V.M., Timofeev, N.A. Radial distributions in the positive column of a pulsed low-pressure mercury discharge 9—64920
Milenin, V.M., Timofeev, N.A. Electron relaxation to a Maxwellian energy distribution in the positive column of a low-pressure mercury discharge 9—64949
Milenin, V.M. *see* Lomov, A.A. 9—64919
Milenin, V.V., Primachenko, V.E., Snitko, O.V. The influence of palladium impurity on electronic properties of silicon surface 9—91124
Miler, M. 'Chirped' grating coupler: a holographic approach 9—76854
Miler, M. Thirty years of holography 9—98315
Miler, M., Skalsky, M. Stigmatically focusing grating coupler 9—59842
Miles, C.R. *see* Kreitlow, D.B. 9—57356
Miles, J.B. *see* Klein, D.E. 9—59141
Miles, J.W. On the Korteweg-de Vries equation for a gradually varying channel 9—50742
Miles, J.W. The asymptotic solution of the Korteweg-de Vries equation in the absence of solitons 9—58555
Miles, J.W. On the damped oscillations of a weakly nonlinear pendulum 9—63023
Miles, J.W. Damping of solitary waves 9—63053
Miles, K.J. *see* Hwang, I.T. 9—49750
Miles, M., Gleiter, H. Molecular mechanism of α-β phase transformation in poly-p-xylylene 9—69241
Miles, M. *see* Petermann, J. 9—86718
Miles, M.H., Huang, Y.H., Srinvasan, S. The oxygen electrode reaction in alkaline solutions on oxide electrodes prepared by the thermal decomposition method 9—61864
Miles, M.J., Baer, E. 'Hard elastic' behaviour in high-impact polystyrene 9—57036
Miles, M.J. *see* Trent, J.S. 9—52305
Miles, P., Dott, H.M. The construction of a membrane slide support for the observation of living cells 9—74809
Miles, T., Dosso, H.W. A laboratory analogue model study of ocean-wave induced magnetic fields for cases of non-uniform depths and sea-land interfaces 9—66807
Milestone, N.B. Hydration of tricalcium silicate in the presence of lignosulfonates, glucose, and sodium gluconate 9—100330
Milestone, N.B. *see* Bentur, A. 9—100332
Milestone, N.B. *see* Berger, R.L. 9—100331
Milevskaya, N.G. *see* Malevskii, Yu.N. 9—83619
Milevskii, L.S., Chuvilin, Yu.N. Influence of gold atoms on plastic deformation and on the formation of dislocation loops in heavily doped silicon single crystals 9—69184
Milevskii, L.S., Tkacheva, T.M. Influence of elastic strain and diffusion of gold on state of oxygen in silicon 9—69181
Milewits, M., Williamson, S.J. Thermal expansion of V_3Si 9—56382
Milewski, A. *see* Krupka, J. 9—49254, 9—93160
Milewski, J.V. The combined packing of rods and spheres in reinforcing plastics 9—52151
Milewski, J.V. I. The field is wide open for reinforcements 9—61506
Miley, G., Gibson, D., DeVeaux, J., Driemeyer, D., Gilligan, J. Fueling requirements for a self-sustained field-reversed mirror 9—49844
Miley, G.H., Gilligan, J.G., Driemeyer, D. Preliminary design of a self-sustained advanced-fuel field reversed mirror reactor—SAFFIRE 9—85786
Miley, G.H., Nagalingam, S.J.S., Boody, F.P., Prelas, M.A. Nuclear pumping of XeF(B), a candidate laser fusion driver 9—86171
Miley, G.H., Southworth, F.H., Choi, C.K., Gerdin, G.A., Blum, A.S., Moir, R.W., Powell, J.R., Fillo, J.A., Usher, J.L. Advanced-fuel fusion systems. The D-^{3}He satellite approach. (The ILB reactors) 9—76143
Miley, G.H. *see* Fenske, G. 9—69166
Miley, G.H. *see* Kruger, A.W. 9—85775
Miley, G.H. *see* Morse, E.C. 9—86606
Miley, G.H. *see* Stark, R.A. 9—86605
Miley, G.K., Osterbrock, D.E. Optical spectra of the nuclei of radio galaxies with radio jets 9—84859
Miley, G.K. *see* Fomalont, E.B. 9—75288
Miley, G.K. *see* Gisler, G.R. 9—75283
Miley, G.K. *see* Schilizzi, T.R. 9—92878
Miley, G.K. *see* Willis, A.G. 9—75287, 9—88604
Milgram, M.S., Sly, K.N. On the properties of collision probability integrals in annular geometry-11 evaluation 9—67812
Milgrom, M. On the interpretation of the large variations in the line positions in SS 433 9—75218
Milgrom, M. Periodic polarization variations in rotating astrophysical systems 9—88585
Milia, F. *see* Kind, R. 9—99313
Milinazzo, F., Oved, Y., Clements, R.M., Smy, P.R. Blast wave computations using the flux-corrected transport algorithm 9—77184
Milinchuk, V.K. *see* Zhdanov, G.S. 9—57269
Milinkovic, R. *see* Ristic, R. 9—56047
Militaru, A. *see* Popovici, C. 9—86639
Militsyn, K.N. *see* Volkhontsev, S.B. 9—83271
Miliyanchuk, M.V. *see* Sredin, V.G. 9—74012
Miljkovic, Lj. *see* Arandjelovic, V. 9—73206
Miljkovic, L.A. *see* Nikolic, P.M. 9—56776
Milkey, R.W. *see* Rutten, R.J. 9—101128
Mill, A.J. Recovery of cultured mammalian cells from sub-lethal damage when irradiated at ultra-high dose-rates 9—79608
Millan, P.E., Millan, S., Hernandez, A., Andreo, P. Parametrisation of linear accelerator electron beam for computerised dosimetry calculations 9—83945
Millan, S. *see* Millan, P.E. 9—83945
Millany, H.M. *see* Jonscher, A.K. 9—56718
Millar, J.W.L. The power station game: a study [teaching] 9—62949
Millar, T.J., Duley, W.W. Origin of the diffuse interstellar absorption bands. IV. Relation to interstellar depletion 9—53879
Millar-Craig, M.W., Hawes, D., Whittington, J. New system for recording ambulatory blood pressure in man 9—53271
Millard, M.M. *see* Pavlath, A.E. 9—100463
Millaud, B., Thierry, A., Strazielle, C., Skoulios, A. Thermotropic mesophases of poly(azomethines) with flexible chains 9—77507
Mille, G. *see* Guiliano, M. 9—50178
Millea, M.F., Silver, A.H., Flesner, L.D. The surface conductance of argon-ion-bombarded p-type InAs 9—60910
Millendorf, S.A., Brower, J.C., Dyman, T.S. A comparison of methods for the quantification of assemblage zones 9—62502
Millendorf, S.A., Heffner, T. FORTRAN program for lateral tracing of time-stratigraphic units based on faunal assemblage zones 9—62510
Millendorf, S.A. *see* Brower, J.C. 9—62501, 9—62593
Miller, A. Two-site interaction model for a ferromagnetic metal 9—82744
Miller, A. Nonlinear effects induced by lasers 9—94300
Miller, A. *see* Pidgeon, C.R. 9—78679
Miller, A. *see* Shirkey, R.C. 9—58076
Miller, A.E. *see* Neely, H.H. 9—54544
Miller, A.G. Determination of particle size distribution of salt crystals in aqueous slurries 9—61918
Miller, A.J., Korty, B., Heath, D.F. Comparison of backscatter ultraviolet (BUV) and ground-based total ozone fields for December 1970 9—84430
Miller, A.J. *see* Mohamad, I.J. 9—60874
Miller, A.K., Challenger, K.D., Jones, R.L., Smith, E., Roberts, J.T.A. Modeling cladding deformation and fracture in the SPEAR code system 9—93729
Miller, A.R. *see* Whitehead, J.A., Jr. 9—100846
Miller, B.D. Repulsive and attractive timelike singularities in vacuum cosmologies 9—92901
Miller, B.I. *see* Leu, Y.-T. 9—100047
Miller, B.I. *see* Tien, P.K. 9—82246
Miller, B.J. *see* Fuhr, J.R. 9—49990
Miller, C., Filkin, D.L., Jesson, J.P. The fluorocarbon-ozone theory. VI. Atmospheric modeling: calculation of the diurnal steady state 9—88390
Miller, C., Franks, R.G.E., Meakin, P., Jesson, J.P. The fluorocarbon-ozone theory. V. One-dimensional modeling of the atmosphere: the base case 9—70831
Miller, C. *see* Coronado, R. 9—96524
Miller, C. *see* Glasgow, L.C. 9—84427
Miller, C.A. *see* Blackmore, E.W. 9—72060
Miller, C.A. *see* Greeniaus, L.G. 9—75961
Miller, C.A. *see* James, A.N. 9—93614
Miller, C.A. *see* Kitching, P. 9—67755
Miller, C.A. *see* Watson, J.W. 9—81114
Miller, C.E., Lavery, J.P. The mechanics of human fetal membrane rupture 9—83843
Miller, C.E., Lavery, J.P., Donnelly, T.A. Determination of elastic parameters for human fetal membranes 9—66481
Miller, C.E., Jr. *see* Butler, W.A. 9—58505
Miller, C.K. *see* Ward, J.F. 9—54991
Miller, C.L., Morse, P.A. Selective adaptation effects in infant speech perception paradigms 9—50527
Miller, C.M. *see* Freeman, L.J. 9—55241
Miller, C.S. *see* Schifreen, R.S. 9—92022
Miller, C.W. *see* Wells, M.K. 9—92315
Miller, D., Schlosser, P., Deutchman, A., Steidley, J., Hunter, W., Gerber, M., Profant, R., Yocum, M., Hyland, R. A multi-detector germanium gamma ray camera 9—49353
Miller, D. *see* Beretvas, A. 9—89179
Miller, D. *see* Garner, C.M. 9—69586
Miller, D.A. A study of the stress dependence of cavity growth mechanisms [Creep fracture] 9—99266
Miller, D.B. Long-term recognition of father's song by female zebra finches 9—83799
Miller, D.C. *see* Mahajan, S. 9—99197
Miller, D.E. Thermodynamical properties of a class of solvable statistical models for hadronic matter 9—63452
Miller, D.E. Solvable thermodynamical models for hadronic system 9—63456
Miller, D.E. *see* Armantrout, G.A. 9—78885
Miller, D.F., Alkezweeny, A.J., Hales, J.M., Lee, R.N. Ozone formation related to power plant emissions 9—74575
Miller, D.G., Bailey, A.B. Sphere drag at Mach numbers from 0.3 to 2.0 at Reynolds numbers approaching 10^7 9—81919
Miller, D.H. *see* Armstrong, T.A. 9—85344
Miller, D.H. *see* Evangelista, C. 9—80843
Miller, D.H. *see* Piccolo, M. 9—93439
Miller, D.H. *see* Rapidis, P.A. 9—75780
Miller, D.J. The distribution of solubilized molecules among micelles 9—58497
Miller, D.J., Haneman, D. Structure of III-V compound (110) surface regions from EPR data and elastic energy minimisation calculations 9—51405
Miller, D.L. *see* Swarts, C.A. 9—59412
Miller, D.M., Hauver, G.H., Culverhouse, J.N., Greenwell, E.N. Description of a unique machine tool permitting achievement of <15-Å RMS diamond-turned surfaces 9—98517
Miller, D.M. *see* Mailer, C. 9—51841
Miller, D.M. *see* Venable, W.C. 9—96526
Miller, D.P. Spin energy transfer in nuclear magnetic resonance spectroscopy using a zero magnetic field and spin echoes resulting from pulsing the magnetic field to zero 9—95675
Miller, D.R. *see* Poulsen, P. 9—98777
Miller, D.S., Wagner, G.A. Age and intensity of thermal events by fission track analysis: the Ries impact crater 9—79760
Miller, G.A. A field theory of pion-nucleus interactions 9—85546
Miller, G.A., Ng, J.N. Effects of odd-parity components of the deuteron on inelastic polarized-electron-deuteron scattering 9—89166
Miller, G.A. *see* Cheung, C.Y. 9—85313
Miller, G.A. *see* Henley, E.M. 9—97671
Miller, G.A. *see* Wei, R.P. 9—61817
Miller, G.C., Zepp, R.G. Effects of suspended sediments on photolysis rates of dissolved pollutants 9—100546
Miller, G.G. *see* Ivory, D.M. 9—91031
Miller, G.H., Welberry, T.R. A three-dimensional model of crystal-growth disorder 9—51025
Miller, G.H. *see* Welberry, T.R. 9—73118
Miller, G.L. *see* Benton, J.L. 9—69609
Miller, G.L. *see* Blood, P. 9—55761
Miller, G.L. *see* Leamy, H.J. 9—69136
Miller, G.R. *see* Miller, M.L. 9—87597
Miller, G.R. *see* Poranski, C.F., Jr. 9—73828
Miller, G.S. *see* Saylor, J.H. 9—84309
Miller, H. *see* Angenheister, G. 9—57889
Miller, H. *see* Carel, R.S. 9—79669
Miller, H.C. On sputtering in vacuum arcs 9—82113
Miller, H.G., Berger, W.A. An investigation of pseudo-convergence in an iterative method for calculating the low-lying eigenvectors of a Hermitian matrix 9—92970
Miller, H.R. Historical light curves for three Seyfert galaxies 9—58425
Miller, H.R., McGimsey, B.Q. 0246+18: a variable star superposed on a bright galaxy 9—71130
Miller, H.W. *see* Kerns, Q.A. 9—68058
Miller, I. *see* Brown, R.G.W. 9—50827
Miller, I.F. Synthetic blood substitutes: where are we and where do we go from here? 9—62405
Miller, J. The present status of the pion nucleon interaction at low energy 9—85325
Miller, J. *see* Balestri, B. 9—75794, 9—85530
Miller, J. *see* Krause, W. 9—79690
Miller, J.A. *see* Schildknecht, M. 9—50799
Miller, J.C., Allison, S.W., Andrews, L. Laser spectroscopy of matrix-isolated UF_6 at 12K 9—68253
Miller, J.C. *see* Mowery, R.L. 9—68248
Miller, J.D. *see* Munoz, P.B. 9—83511
Miller, J.F. *see* Westlake, D.G. 9—86894
Miller, J.G. Bifurcate-Killing horizons 9—88850
Miller, J.G. *see* Bowling, M.L. 9—85591
Miller, J.H., West, M.L. Pulsed proton radioluminescence in binary liquid scintillators 9—52731
Miller, J.H. *see* Amis, A.A. 9—96591
Miller, J.H.McB. *see* McB. Miller, J.H.
Miller, J.J. *see* Chardon, J.C. 9—49299, 9—81247

Miller, J.-J. *see* Gire, A. 9—58669
Miller, J.L., Kan, T. Metastable decay rates in a Cu-metal-vapor laser 9—86164
Miller, J.M. Computer aided design and evaluation of infrared cryogenic sensors undergoing thermal/mechanical distortions 9—85184
Miller, J.M., Tucker, E. Use of HPLC for multicomponent serum analysis: Initial experiences in a hospital laboratory 9—79334
Miller, J.R. *see* Barkatt, A. 9—57261
Miller, J.R. *see* Fietz, W.A. 9—59263
Miller, J.S., Epstein, A.J. Electrical properties of $M(S_2C_2(CN)_2)_2^{1-}$ (M=Ni, Pt) complexes 9—73505
Miller, J.S. *see* Brill, J.W. 9—95072
Miller, J.S. *see* Harlan, E.A. 9—67008
Miller, J.S. *see* Tanner, D.B. 9—95761
Miller, K. *see* Crawford, D. 9—74824
Miller, K.H. *see* Davis, E.E. 9—52895
Miller, K.J. *see* Wu, I.C. 9—63896
Miller, K.L. *see* Shay, D. 9—58891
Miller, K.M. A gas scintillation proportional counter using a photomultiplier tube array 9—76294
Miller, K.M. Dislocation bias and point-defect relaxation volumes 9—99248
Miller, K.M. *see* Fisher, S.B. 9—73211, 9—99206
Miller, K.M. *see* White, R.J. 9—73215
Miller, L. Electrohydrodynamic effects in dilute solutions: interference with second Wien effect 9—94735
Miller, L.D. Tunable X-ray laser from high energy accelerator 9—86154
Miller, L.F. *see* Kerlin, T.W. 9—93743
Miller, L.N. Sound levels of rain and of wind in the trees 9—76926
Miller, L.S. *see* Priester, R.W. 9—100852
Miller, M. *see* Bockisch, A. 9—63851
Miller, M. *see* Kouzes, R.T. 9—89528
Miller, M.A., Permitin, G.V., Fraiman, A.A. Effect of phase fluctuations of a wave on the deformation of caustic surfaces 9—94152
Miller, M.A. *see* Zharov, A.A. 9—55507
Miller, M.D. *see* Guyer, R.A. 9—77850
Miller, M.G., Zieske, P.L. Experimental turbulence profile and parameters 9—66801
Miller, M.H., Roig, R.A., Bengtson, R.D. Experimental transition probabilities and Stark-broadening parameters of neutral and singly ionized tin 9—93956
Miller, M.J. Numerical modelling of cumulonimbus convection 9—84414
Miller, M.L., McEntire, B.J., Miller, G.R., Gordon, R.S. A prepilot process for the fabrication of polycrystalline β''-alumina electrolyte tubing 9—87597
Miller, M.P., Wright, J.C. Multiphonon and energy transfer relaxation in charge compensated crystals 9—87496
Miller, M.W. Comparison of micronuclei induction for X-ray and ultrasound exposures of Vicia faba root meristem cells 9—96633
Miller, M.W. *see* Kaufman, G.E. 9—62293
Miller, O.A. *see* Gabeskiriya, V.Ya. 9—71938
Miller, P., Blosser, H., Gossman, D., Jeltema, B., Johnson, D., Marchand, P. Magnetic field measurements in the MSU 500 MeV superconducting cyclotron 9—54668
Miller, P.B. *see* Green, M.A. 9—54219
Miller, P.D., Lee, J.G., Cutler, I.B. The reduction of silica with carbon and silicon carbide 9—79240
Miller, P.D. *see* Button, T.M. 9—49975
Miller, P.D. *see* Dress, W.B. 9—58963
Miller, P.D. *see* Knudsen, H. 9—54957
Miller, P.D. *see* McDaniel, F.D. 9—69907
Miller, P.D. *see* Mehta, R. 9—59549
Miller, P.D. *see* Moak, C.D. 9—51178
Miller, P.J. Low frequency Raman scattering and glass transitions in alkali metaphosphate glasses 9—95745
Miller, P.J., Shih-Liang Chao, R. Resonance Raman spectra of Iron(II) 2,2′-bipyridyl complexes 9—61363
Miller, P.J. *see* Viswanath, R.S. 9—51949
Miller, P.R., Pitts, J.N., Jr., Winer, A.M., Sandberg, J.S., Basso, M.J., Okin, B.A. Factors in summer ozone production in the San Francisco air basin 9—83676
Miller, P.S., Kashy, E., Nolen, J.A., Jr. Beam emittance measurements with a dispersion-matched magnetic spectrograph 9—54732
Miller, P.S., Laumer, H., Mallory, M.L., Nolen, J.A. Lifetime improvements of heavy ion source cathodes 9—72167
Miller, R.C., Leith, J.T., Veomett, R.C., Gerner, E.W. Effects of interstitial irradiation alone, or in combination with localized hyperthermia on the response of a mouse mammary tumor 9—57716
Miller, R.C. *see* Dixon, R.W. 9—55138
Miller, R.D. *see* Hays, W.W. 9—88287
Miller, R.E. *see* Stephens, A.E. 9—51602
Miller, R.G., Hancock, J.K. V-V energy transfer in H_2—additive gas mixtures using a stimulated Raman excitation technique 9—64086
Miller, R.G. *see* Lee, E.K.C. 9—52711
Miller, R.H. *see* Alguard, M.J. 9—76242
Miller, R.H. *see* Cooper, P.S. 9—58540
Miller, R.H. *see* Loew, G.A. 9—72165
Miller, R.H. *see* Prescott, C.Y. 9—75776
Miller, R.L., Moore, R.W. Shape optimization of Tokamak plasmas to localized magnetohydrodynamic modes 9—98954
Miller, R.L. *see* Krakowski, R.A. 9—76119
Miller, R.L. *see* Wu, P.C.S. 9—57151
Miller, R.W. *see* Levie, S.A. 9—68866
Miller, S. *see* Gaskell, T. 9—77491, 9—94858
Miller, S.I. Dissociation energies of pi bonds in alkenes 9—58498
Miller, T.A. The use of high magnetic fields in the spectroscopy of simple atoms and molecules 9—72445
Miller, T.A., Bondybey, V.E., English, J.H. The vibrationally resolved electronic spectrum of the sym-trichlorobenzene radical cation in gas and condensed phases 9—68252
Miller, T.A., Bondybey, V.E., Zegarski, B.R. Laser induced fluorescence spectrum of gaseous $C_6H_6^+$ 9—72345
Miller, T.A. *see* Bondybey, V.E. 9—50068, 9—89702, 9—98138
Miller, T.A. *see* Cook, J.M. 9—68270
Miller, T.A. *see* Jost, R. 9—72353
Miller, T.A. *see* Katayama, D.H. 9—54779, 9—98142
Miller, T.E. *see* Hodge, J.K. 9—77156
Miller, T.G., Womack, D.R., Williams, J.R., Monahan, M.J., Murphree, Q.C. Single-photon counting system for measuring laser parameters 9—89915
Miller, T.J. *see* Andrejco, M.J. 9—50461
Miller, T.N. *see* Kuzenkova, M.A. 9—100097
Miller, T.R. *see* Park, C.G. 9—66883
Miller, W.E. *see* Sher, A. 9—78182
Miller, W.F., Jr. *see* Alcouffe, R.E. 9—80970, 9—85099
Miller, W.H., Nicol, G.D. Evidence that cyclic GMP regulates membrane potential in rod photoreceptors 9—74654
Miller, W.H., Peterman, K. UNFBENJ. On-line real-time neutron spectrum unfolding for Benjamin detectors 9—59297
Miller, W.H., Peterman, K.W. Improved MATXUF: on-line uncertainty calculation and Benjamin detector unfolding 9—85876
Miller, W.H. *see* Adams, J.E. 9—87553
Miller, W.H. *see* Dunmur, D.A. 9—86878
Miller, W.H. *see* Isaacson, A.D. 9—50106
Miller, W.H. *see* McCurdy, C.W. 9—64062
Miller, W.H. *see* Meyer, H.-D. 9—64063, 9—98192
Miller, W.H. *see* Orel, A.E. 9—66275
Miller, W.H. *see* Peterman, K. 9—59298
Milleret, G. *see* Aknin, J.P. 9—68001
Millet, P. *see* Blanchard, P. 9—97816
Millett, P. *see* De Jonghe, L.C. 9—79096
Millhouse, A.H., Steiner, M., Dachs, H. Elastic neutron scattering study of magnetic phase transitions in $DyPO_4$ and $HoPO_4$ 9—78371
Milliard, B. *see* Marcelin, M. 9—97063
Millich, A. *see* Allen, M.A. 9—72144
Milligan, W.O. *see* Mullica, D.F. 9—51065, 9—58855, 9—77568
Millikan, R.E. *see* Abrams, G.S. 9—89149, 9—89174
Millimill, B. *see* Andres, K. 9—61259
Millis, R.L. *see* A'Hearn, M.F. 9—70997
Millman, P.M. Interplanetary dust 9—75154
Millman, P.M., Clifton, K.S. Video techniques in comet-debris studies 9—80241
Millodot, M., Sivak, J. Contribution of the cornea and lens to the spherical aberration of the eye 9—100597
Millodot, M. *see* O'Leary, D. 9—83764
Millot, C. Wind induced upwellings in the Gulf of Lions 9—79870
Millot, J.-P. *see* Joubert, M. 9—97842
Mills, A.P., Jr. Thermal activation measurement of positron binding energies at surfaces 9—95371
Mills, D.L. *see* Beal-Monod, M.T. 9—51372
Mills, D.L. *see* Katayama, S. 9—95438, 9—95791
Mills, D.L. *see* Rahman, T.S. 9—61221
Mills, D.L. *see* Spanjaard, D. 9—51373
Mills, D.L. *see* Wallis, R.F. 9—73251
Mills, D.M., Bilderback, D.H., Batterman, B.W. Thermal design of synchrotron radiation exit ports at CESR 9—68035
Mills, D.R., Giutronich, J.E. Symmetrical and asymmetrical ideal cylindrical radiation transformers and concentrators 9—55200
Mills, D.R., Giutronich, J.E. Principles of asymmetrical ideal cylindrical solar concentrators 9—62119
Mills, D.R. *see* Giutronich, J.E. 9—62124
Mills, F. *see* Herrmannsfeldt, W.B. 9—72138
Mills, F.E. *see* Cline, D. 9—72090
Mills, F.E. *see* Cline, D.B. 9—68004, 9—68005
Mills, F.E. *see* Gannon, J.C. 9—72139
Mills, F.E. *see* Griffin, J.E. 9—72103
Mills, H.E. *see* Latham, A. 9—89168
Mills, H.E. *see* Morris, J.V. 9—93434
Mills, I.M. *see* Carter, S. 9—89620
Mills, I.M. *see* Murrell, J.N. 9—68203, 9—76479
Mills, I.M. *see* Robiette, A.G. 9—98087
Mills, J.H., Gilbert, R.M., Adkins, W.Y. Temporary threshold shifts in humans exposed to octave bands of noise for 16 to 24 hours 9—74688
Mills, J.J. *see* Ahearn, J.S. 9—82431, 9—87749
Mills, K.A., Denley, D., Perfetti, P., Shirley, D.A. Mapping of conduction bands in GaAs by angle-resolved photoemission 9—83105
Mills, N.J. *see* Cross, A. 9—91752
Mills, P.F. *see* Wood, J.V. 9—78982
Mills, P.M. *see* Adler, P.M. 9—64755
Mills, R. Model of confinement for gauge theories 9—89109
Mills, R.H. *see* Kemmerer, C.T. 9—82475
Mills, W. *see* Boussard, D. 9—72094
Mills, W.A. Federal guidance for persons exposed to transuranic elements in the environment 9—93842
Mills, W.P.C. The present performance of the SPS 9—72048
Millward, G.R., Thomas, J.M. Thoughts on the feasibility of directly imaging the ultramicrostructural characteristics of imperfectly ordered graphitic carbons by high-resolution electron microscopy 9—77463
Mil'man, Yu.V., Rachek, A.P., Kurdyumova, G.G., Abalikhin, A.V., Freze, N.I. Concerning the problem of the 45° brittleness of low-alloy molybdenum sheet 9—100238
Mil'man, Yu.V. *see* Gnesin, G.G. 9—96136
Milman, Yu.V. *see* Gridneva, I.V. 9—95015
Mil'man, Yu.V. *see* Ivashchenko, R.K. 9—91664
Milne, A.D. *see* Jack, M.A. 9—98559
Milne, D.K. Radio observations at 5 GHz of southern planetary nebulae. II 9—58396
Milne, D.K. A new catalogue of galactic SNRs corrected for distance from the galactic plane 9—75120
Milne, D.K., Goss, W.M., Haynes, R.F., Wellington, K.J., Caswell, J.L., Skellern, D.J. Three unusual supernova remnants 9—84841
Milne, D.K., Webster, B.L. 2.7 GHz radio frequency measurements of planetary nebulae 9—58394
Milne, E.A. *see* Crittenden, E.C., Jr. 9—66806
Milne, G.W.A. *see* Heller, S.R. 9—64119, 9—64120, 9—64121, 9—68329
Milne, I. Failure analysis in the presence of ductile crack growth 9—90724
Milne, J.W., Roberts, D.B., Williams, D.J. The dry deposition of sulphur dioxide-field measurements with a stirred chamber 9—88021
Milne, M. A computer-aided system for designing windows to function as solar collectors 9—62146
Milne, W.G., Weichert, D.H. The sensitivity of seismic risk maps to the choice of earthquake parameters in the Georgia Strait region of British Columbia 9—88274
Milner, A.E. *see* Unsworth, M.H. 9—84458
Milner, W.T., Biggerstaff, J.A., Hensley, D.C., Saver, R.O. Data acquisition and analysis system for the Holifield Heavy Ion Research Facility 9—93900
Milner, W.T. *see* Ball, J.B. 9—68015
Milnes, A.G. *see* Chen, J.W. 9—91075
Milnes, A.G. *see* Flat, A. 9—100534
Milnes, A.G. *see* Okuyama, M. 9—87060
Milnes, A.G. *see* Partin, D.L. 9—78045, 9—87110
Milone, E.F. *see* Gottlieb, E.W. 9—53821
Milone, E.F. *see* Naftilan, S.A. 9—97031
Milora, S.L., Foster, C.A. Pneumatic hydrogen pellet injection system for the ISX Tokamak 9—60202
Milosevic, S. One-dimensional magnets 9—56482
Milosevic, S. *see* Djordjevic, Z. 9—56540
Milosevski, M. *see* Ristic, M.M. 9—74116
Miloshenko, V.E. *see* Postnikov, V.S. 9—71442
Miloshenko, V.E. *see* Roshchupkin, A.M. 9—65260
Milosic, Z. Matching of the electric impedance of hydroacoustic transducers of fixed operating frequency 9—55287
Miloslavs'kii, A.G. *see* Suntsov, N.V. 9—51566
Miloslavskii, V.K., Shklyareoskii, I.N., Yarovaya, R.G. Influence of interband transitions on the low-frequency plasma resonance in small metal spheres 9—99906
Miloslavskii, V.K. *see* Ageev, L.A. 9—64298
Miloslavsky, V.K. *see* Ageev, L.A. 9—56878
Milovanova, N.A. *see* Bordina, N.M. 9—96441
Milroy, R.D., Capjack, C.E., McMullin, J.N., James, C.R. Two-dimensional hydrodynamic simulations of a laser heated gas target plasma 9—55524
Mil'shtein, G.N. *see* Markhasin, V.S. 9—79568
Mil'shtein, S. Application of dislocation-induced electric potentials in Si and Ge 9—82551
Milsom, R.F. *see* Browning, T.I. 9—56060
Milsop, M.P. Evaluating process-oriented problem solving skills 9—71172
Milstein, F., Huang, K. Existence of a negative Poisson ratio in FCC crystals 9—69178
Milstein, J., Bremermann, H.J. Parameter identification of the Calvin photosynthesis cycle 9—92186
Milster, H., Sommer, U. Energy saving in domestic washing 9—83688
Miltat, J. *see* Nourtier, C. 9—78434
Milton, A.Fenner *see* Fenner Milton, A.
Milton, J.C.D. *see* Garvey, P.M. 9—81060
Milton, K.A. *see* Ivanetich, R.J. 9—63354
Milton, L.J. *see* Gelbard, E.M. 9—85580

Mil'vidskii, M.G. *see* Bol'sheva, Yu.N. 9—52017
Mil'vidskii, M.G. *see* Dolginov, L.M. 9—65545
Milyaev, V.A. *see* Manenkov, A.A. 9—65507
Milyavskii, Yu.S. *see* Alekseev, N.E. 9—64236
Milyukov, E.M. Morphological features of two-phase glasses 9—64999
Milyutin, V.N., Podvysotskii, A.M., Khelemskii, S.L. Interaction between a drop and a liquid film surface 9—64756
Mima, G., Inoko, F., Atagi, K. The initiation of fatigue cracks along crystal boundaries in aluminum bicrystals 9—70163
Mima, K. *see* Fujii, Y. 9—71730
Mima, K. *see* Kato, K. 9—64828
Mima, K. *see* Sugai, H. 9—64870
Mima, K. *see* Yamanaka, C. 9—82070
Mimault, J. *see* Cartraud, M. 9—66035
Mimila-Arroyo, J., Marfaing, Y., Cohen-Solal, G., Triboulet, R. Electric and photovoltaic properties of CdTe pn homojunctions 9—51668
Mimino, T. Creep rupture strength of 9Cr-1Mo-V-Nb-B steel developed for boiler applications 9—83301
Mimizuka, T. Temperature- and potential-distributions determination method for Hall plates, considering the effect of temperature-dependent conductivity and Hall coefficient 9—60851
Mimkes, J. Calculations of dislocation pipe diffusion 9—82374
Mimoto, H. *see* Fujita, S. 9—56840, 9—91572
Mimoto, Y. *see* Miyazawa, T. 9—97856
Mims, S.S. Draconid meteors 9—92728
Mims, S.S., Mullikin, T.L. Novalike object in Vulpecula 9—80323
Mims, W.B. *see* Shimizu, T. 9—54871
Mimura, T., Yokoyama, N., Fukuta, M. Electrical characteristics of the plasma-grown native-oxide/GaAs interface 9—73590
Min, B.G. Performance criteria for optimization of cardiac assistance 9—74782
Min, B.G., Welkowitz, W., Doblar, D.D., Edelman, N.H. Frequency-domain analysis of oxygen stores during hypoxia in the goat 9—100639
Min, B.G. *see* Doblar, D.D. 9—100652
Min, B.-G., Fich, S., Kostis, J.B., Welkowitz, W. A catheter flow probe for measurement of left ventricular source parameters 9—92324
Min, B.K., Rishi Raj A new fixture for fatigue testing 9—57185
Min, D.P. Influence of vibration mode and orientation of deformed nucleus on the detection function in heavy ion reactions 9—59080
Min, H.S. Possibility of mobility fluctuations in the flicker noise of nondegenerate semiconductors 9—91108
Min, K. *see* Paras, N. 9—63659
Min Jen-Fa *see* Jen-Fa Min
Min-Kyo Shin, Jwa-Hyeong Cho On the effect of the toughness of the Ni contents and structures in the Ni-Cr-Mo steel used in the marine engine shaft 9—91781
Min-ping Qian *see* Qian Min-ping
Min-Sheng Zhang *see* Zhang Min-Sheng
Mina, E.F. *see* Botrous El Badramany, N.M. 9—78099
Mina, R.T. *see* Agababyan, K.Sh. 9—82325
Minadjinov, M.S. *see* Malinin, A.Ju. 9—52134
Minaev, B.F. Intensity of singlet-triplet transitions in the oxygen molecule and the selective effect of an external heavy atom 9—98159
Minaev, B.F., Cherkasov, V.S. Effect of oxygen on the intensity of singlet-triplet transitions in organic compounds. Calculation of configuration interaction in the complex of oxygen with ethylene 9—63923
Minaev, B.F., Tlepbergenov, T.O., Muldakhmetov, Z.M. Interpretation of phosphorescent microwave double resonance in the SO_2 molecule 9—72342
Minaev, B.F. *see* Bryukhanov, V.V. 9—99931
Minaev, N.S., Midryi, A.V., Tkachev, V.D. Radiative recombination at thermal defects in silicon 9—91496
Minaev, P.V. Effect of charge density on spectral line strength in high pressure mercury plasma 9—73040
Minaev, V.N. *see* Georgiev, M.N. 9—52375, 9—87710
Minafra, A. *see* Adduci, F. 9—69463
Minagawa, F. *see* Takeda, K. 9—69379
Minagawa, S. Stress and couple-stress fields produced by circular dislocations in an isotropic elastic micropolar continuum 9—97209
Minagawa, S. *see* Shintani, A. 9—65336
Minai, Y., Takeda, M., Wakita, H., Tominaga, T. A Mossbauer study on alteration of a deep sea basalt 9—66688
Minai, Y., Tominaga, T. Characterization of environmental samples by Mossbauer technique 9—66433
Minaichev, E.V. *see* Barsov, S.G. 9—87370
Minaichev, E.V. *see* Gordeev, V.A. 9—56675
Minaka, A. *see* Kanai, K. 9—89331, 9—97634
Minaka, A. *see* Kinoshita, K. 9—59042
Minakata, M. Efficient $LiNbO_3$ balanced bridge modulator/switch with an ion-etched slot 9—89993
Minakata, M., Saito, S., Shibata, M. Two-dimensional distribution of refractive-index changes in Ti-diffused $LiNbO_3$ strip waveguides 9—86254
Minakawa, N. *see* Hiramatsu, S. 9—63238
Minakov, A.A. The short-wave limit of the gravitational focusing effect imposed by asphericity of the gravity field of the lens star 9—58604
Minakov, V.N. *see* Danilenko, V.M. 9—70058
Minakov, V.N. *see* Glazunov, M.G. 9—52301
Minakov, V.N. *see* Trefilov, V.I. 9—65084
Minami, F., Sekita, M., Aono, M., Tsuda, N. Intensity variations of angle-resolved photoemission spectra of 2H-$NbSe_2$ 9—83104
Minami, K., Hata, H., Odagiri, S. Dynamic shear stabilization of hydromagnetic kink instabilities in pinch and/or Tokamak plasmas through a nonlinear mode coupling 9—50858
Minami, S. *see* Iguchi, K. 9—93359
Minami, S. *see* Wungkobkiat, S. 9—97413
Minami, T., Takata, S., Yamanishi, M., Kawamura, T. Metal-semiconductor electroluminescent diodes in ZnO single crystal 9—99948
Minami, T. *see* Tohge, N. 9—65546, 9—74126
Minamii, Y. *see* Yasuda, N. 9—78634
Minamikawa, T. *see* Iiata, T. 9—78877
Minamikawa, T. *see* Itoh, C. 9—58941
Minard, M.-N. *see* Cuatis, C.V. 9—89193
Minardi, E. Integral invariants and quasi-MHD nonlinear dissipation 9—98882
Minari, F. *see* Kellerhals, J. 9—82226
Minari, F. *see* Pichaud, B. 9—99205
Minarovjech, M., Rybansky, M. External oculting disk used as a radially-graded neutral density filter 9—80233
Minassian, L.ter *see* ter Minassian, L.
Minasyan, V.V. *see* Gridin, V.A. 9—86221
Minata, H., Nakamura, H. Estimation of fatigue life of Al-alloy used for compressor disc of jet engine 9—79089
Minato, A., Kawabe, R., Yamanouchi, H., Kato, H. SENHOR-IV: a computer code for small pipe-break analysis of pressure-tube type reactors 9—89397
Minato, A. *see* Sako, K. 9—76126
Minato, I. *see* Miyata, T. 9—60222
Minato, S. *see* Chino, M. 9—68142
Minatti, N. *see* Arnolds, G. 9—72009
Minayeva, V.A. *see* Ivanov, U.I. 9—77099
Minchev, P.M., Kalnin', T.K., Khristov, Kh.D., Balinov, S.S., Nikolova, B.T. Optimization of the active elements of liquid metal MHD induction pumps with a transversely closing magnetic flux 9—77278
Minden, H.T. Ellipsometric measurement of the Kerr magnetooptic effect 9—49271
Minden, H.T., Leonard, M.F. A micro-size Hall probe for precision magnetic field mapping 9—75558
Minder, R. A solar heating and cooling system for an industrial plant located in Southern Europe 9—62131
Mine, P. Neutrino oscillation experiments at accelerators 9—67541
Mine, P. *see* Badier, J. 9—93460
Mineev, V.N. *see* Ryzhanskii, V.A. 9—52200
Mineev, Yu.V., Savenko, I.A., Spir'kova, E.S. The relation between proton flux enhancements during September-November 1973 and variations in the speed of the solar wind, according to data from the spacecraft Mars 7 9—84620
Minegishi, K. *see* Maruta, T. 9—70413
Minehart, R., McCarthy, J., Roeder, D., Wadlinger, E.A., Brandle, H., Glodis, P., Haddock, R., Kostoulas, I., Matz, N., Nefkens, B., Plumlee, W., Sander, O., Novak, J., Shively, F., Pratt, J., Sherman, R., Spencer, J. Elastic scattering of $\pi^{\pm}$ on ^{3}H and ^{3}He at forward angles 9—76032
Minehart, R.C. *see* Blanpied, G.S. 9—85518
Minehart, R.C. *see* Boyer, K.G. 9—85539
Minehart, R.C. *see* Davis, J. 9—93662
Minella, D. *see* Guillot, M. 9—95736
Minelli, R. *see* Reggiani, C. 9—74709
Minemoto, T., Yoshimura, H., Suemoto, Y., Fujita, S. Incoherent-to-coherent optical image converter of transmission type using $Bi_{12}SiO_{20}$ single crystals 9—94340
Minemura, K. *see* Kobayashi, K. 9—55211
Minemura, K. *see* Shimada, S. 9—94331
Minemura, T. *see* Inoue, A. 9—94910, 9—100197
Minenko, E.V. *see* Sidorenko, A.S. 9—56459
Miner, E.D. *see* Martin, T.Z. 9—84709
Minerbo, G.N. Convolutional reconstruction from cone-beam projection data 9—66512
Mines, G.L., Neill, D.T. Analysis of raft river heat exchanger fouling data using a multivariate regression technique 9—52880
Minetti-Mezzetti, E. *see* Demichelis, F. 9—74493
Mineur, J.M. Laminar flow in narrow ducts and circular tubes: entrance effects 9—72946
Mineya, K. *see* Terasaki, K. 9—52283
Mineyev, Yu.V., Savenko, I.A., Savel'yev, V.G., Spir'kova, Ye.S. Study of electrons with energies of 0.3-3 MeV on the Prognoz-4 satellite 9—62693
Minford, W.J., Bradt, R.C., Stubican, V.S. Crystallography and microstructure of directionally solidified oxide eutectics 9—78950
Ming Nai-Ben Cellular interface and cellular structure due to constitutional supercooling in Czochralski-grown $LiNbO_3$ single crystals 9—51026
Ming Nai-Ben, Yang Yong-Shun The growth of facets and vicinal interfaces on Czochralski-grown YAG single crystals 9—90578
Ming Tang, I. *see* Yoodee, K. 9—75668
Ming-chi Hua *see* Hua Ming-chi
Ming-chien Li *see* Li Ming-chien
Ming-gao Gu *see* Gu Ming-gao
Ming-Hui Huang *see* Chen, C.C. 9—73666
Ming-lun Xue *see* Xue Ming-lun
Ming-Shih Lu *see* Hsiang-Shou Cheng 9—59133
Ming-Ta Hsu, Coca-Prados, M. Electron microscopic evidence for the circular form of RNA in the cytoplasm of eukaryotic cells 9—83703
Ming-tao Chang *see* Chang Ming-tao
Ming-xin Qiu *see* Qiu Ming-xin
Ming-xiu Wei *see* Wei Ming-xiu
Ming-yu Chou *see* Chou Ming-yu
Mingalev, B.S. *see* Bondarchuk, Eh.N. 9—76125
Mingazov, B.G., Shchukin, V.A., Talantov, A.V., Dyatlov, I.N. On the flame stabilization mechanism in two-phase fuel-air mixture flow 9—81996
Mingelgrin, U., Gordon, R.G. The interaction potential and the determination of some cross sections and spectra of pure O_2 and O_2-Ar gas mixtures 9—68224
Minh, H.Ha., Chassaing, P. Restructuring of turbulent flow 9—50706
Minh, N.Tran *see* Tran Minh, N.
Minh Duc Bui *see* Bui Minh Duc
Minich, R.W., Ram Mohan, L.R. Elementary-particle symmetries in relativistic many-body theory at finite temperature and density 9—49403
Minick, J.T. *see* Jarratt, J.C. 9—80710
Minier, C. *see* Lauzier, J. 9—51150
Miniero, R. *see* Rovere, M. 9—82327
Minifie, F.D. *see* Hillenbrand, J. 9—98562
Minin, S.N. *see* Breev, V.V. 9—64727
Minin, V.I. *see* Gribov, I.V. 9—69905
Minin, V.M. Effects of vacuum on the sintering and properties of a ferrite 9—70028
Minina, E.P. *see* Ornatskii, A.P. 9—65181
Minina, L.V. *see* Kushnir, I.P. 9—50938
Minina, N.Ya. *see* Brandt, N.B. 9—73432
Minina, S.V. *see* Liberman, Ye.A. 9—53075
Mink, D.J. *see* Peterson, D.M. 9—67059
Minkiewicz, V.J. *see* Chen, M. 9—78900
Minkin, S.B. *see* Brazgovka, A.I. 9—96716
Min'ko, L.Ya., Goncharov, V.K., Loparev, A.N. Investigation into reflection of laser emission accompanying its destructive action on nontransparent dielectrics 9—74031
Minkoff, L. *see* Damadian, R. 9—62327
Min'kov, G.M. *see* Everev, L.P. 9—60923
Minkov, I.M. 4×4 interference matrix of a gyrotropic layer 9—55054
Minkova, A.P. *see* Kachalkin, A.K. 9—94866
Minkova, L. *see* Mihailov, M. 9—64126
Minkowski, P. Neutrino fluctuations 9—67542
Minkowski, P. $m_{\pi^0}{}^2 = m_{\psi}{}^2 - (m_{\psi}{}^2 - m_{\pi}{}^2) = (3000 \pm 20\ \mathrm{MeV})^2$ after all 9—85288
Minkwitz, R. *see* Feuerhahn, M. 9—98097
Minn, S. *see* Nguyen, T.P. 9—78203
Minn, Y.K., Greenberg, J.M. Formaldehyde absorption and visual extinction in several dark clouds near NGC 2264 9—88715
Minnear, W.P. The dissolution of SiC and other materials in molten Si 9—99319
Minnett, P.J. *see* Woods, J.D. 9—88359
Minnhagen, P. *see* Grinstein, G. 9—54041
Minnich, R.P. *see* Fiory, A.T. 9—56471
Minnich, R.P. *see* Kossler, W.J. 9—56665, 9—56697
Minnigerode, G.von *see* von Minnigerode, G.
Minning, C.P. *see* Nelson, D.A. 9—81705
Minns, R.J., Stevens, D.C., Gore, D.M., Tinckler, L.F. The mechanical and structural properties of reinforcing materials used in prosthetic herniorrhaphy 9—74789
Minnucci, J.A. *see* Greenwald, A.C. 9—55768
Minnucci, J.A. *see* Kennedy, E.F. 9—51152, 9—69134
Minnucci, J.A. *see* Kirkpatrick, A.R. 9—69159
Minnucci, J.A. *see* Little, R.G. 9—52254
Minoda, K. *see* Ishimaru, H. 9—68056
Minogin, V.G., Serimaa, O.T. Resonant light pressure forces in a strong standing laser wave 9—98045
Minogin, V.G. *see* Letokhov, V.S. 9—59421
Minomura, S. *see* Kojima, S. 9—55884
Minomura, S. *see* Nakamura, T. 9—51039
Minomura, S. *see* Takemura, K. 9—65192
Minor, D. *see* Santoro, A. 9—55706
Minowa, J., Nakagawa, K., Okuno, K., Kobayashi, Y., Morimoto, M. 400 MHz SAW timing filter for optical fiber transmission systems 9—50415
Minowa, J., Tanaka, K. Narrow pass band surface acoustic wave filters for transmission system applications 9—50517
Minowa, J. *see* Aoyama, K. 9—64309, 9—98463
Minowa, J. *see* Fujii, Y. 9—76822, 9—76823
Minowa, M. *see* Tabata, J. 9—88564

Minski, M.J. *see* Valente, I. 9—53008
Minster, J.B. *see* Anderson, D.L. 9—84190
Minster, J.B. *see* Cole, D.M. 9—63036
Minster, J.F., Allegre, C.J. ^{87}Rb-^{87}Sr age of Saint Mesmin chondrite and dating of gas-rich polymict breccia 9—53778
Mintchev, M.C. *see* Todorov, I.T. 9—63377
Minten, A. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Minto, P.W. *see* Armstrong, T.A. 9—85344
Mints, I.I., Berezina, T.G., Khodykina, L.E. Damage accumulation in a material during prolonged high-temperature creep 9—57026
Mints, R.G. *see* Andrianov, V.V. 9—87218
Mints, R.I., Dobrin, V.A., Kuznetsov, O.Yu. Electron emission in the mesophase stage 9—55664
Mintz, B., Morrison, W.B., Welch, P.I., Davies, G.J. The relative contributions of texture and grain shape to the properties of warm-rolled Fe-Mn alloys 9—91705
Mintz, D., Armstrong, R.L., Powell, B.M., Buyers, W.J.L. Soft rotary mode in the antifluorite crystal K_2OsCl_6 9—60472
Mintz, M.H., Hadari, Z., Dariel, M.P. Hydrogenation characteristics of Ti_2NiO_x compounds ($0 \leq x < 0.5$) 9—52760
Mintz, M.H. *see* Schwartz, I. 9—63787
Mintz, S.L. Differential muon-capture rate for the reaction $\mu^- + {}^6Li \rightarrow {}^3H + {}^3H + \nu_\mu$ 9—89297
Minyaev, O.A. *see* Basargin, Yu.G. 9—54628
Minyaev, O.A. *see* Belyakov, V.A. 9—54717
Minyailenko, N.A. Increasing the efficiency of high temperature power plant 9—68549
Minzl, E., d'Avila, L.A. Influences of matrix effect on sensitivity of cobalt medium by atomic absorption 9—66375
Minzoni, A.A. *see* Canavati, J.A. 9—98739
Miodek, I. What you always wanted to know about the application of inverse problems to nonlinear equations (or what you would like to with the IST) 9—49096
Miodownik, A.P. The Invar behaviour of iron-nickel-platinum alloys 9—56531
Miodownik, A.P. The calculation of stacking fault energies in Fe-Ni-Cr alloys 9—60387
Mioduchowski, A., Haddow, J.B. Combined torsional and telescopic shear of compressible hyperelastic tube 9—64520
Miosga, H. *see* Heimann, P. 9—78840
Miosga, H. *see* Heinmann, P. 9—91121
Miosga, V. *see* Schmialek, P. 9—70723
Miotkowski, I. *see* Horak, A. 9—52122
Miotkowski, I. *see* Weszka, J. 9—91441
Miotti, C. *see* Vivalda, E. 9—64438
Mir-Kasimov, R.M. *see* Amirkhanov, I.V. 9—71663, 9—75701
Mir-Mohamad-Sadegh, A., Altiero, N.J. Solution of the problem of a crack in a finite plane region using an indirect boundary-integral method 9—77014
Mir-Mohamad-Sadegh Ali *see* Ali Mir-Mohamad-Sadegh
Mira, C. Fuzzy boundary dividing the attraction domains of two attractors 9—63149
Mira, J.Mira *see* Mira Mira, J.
Mira Mira, J. *see* Delgado Garcia, A. 9—92205
Mirabel, A.P. *see* Vasilenko, V.M. 9—53356
Mirabel, I.F., Cohen, R.J. A search for intergalactic hydrogen clouds in the vicinity of nearby dwarf galaxies 9—71126
Mirabel, I.F., Gergely, T.E. A study of the galactic gas-to-dust ratio from observations of globular clusters 9—88747
Mirabel, P., Clavelin, J.L. Application of nucleation to the study of the gas phase photooxidation of sulfur dioxide 9—83479
Mirabel, P. *see* Clavelin, J.L. 9—96348
Mirabutalybov, M.M. *see* Dzhavadov, A.V. 9—75830, 9—75831
Miracle, D.E., Kern, B.D. Multipolarities of γ-rays from $^{92,94}Nb$ and $^{94,95,96,97,98}Tc$ 9—63625
Miracle-Sole, S. *see* Marra, R. 9—71373
Mirahmadi, A. *see* Wagner, F.E. 9—67247, 9—68870
Mirajkar, S.M. Potential and spectroscopic constants of diatomic molecules 9—94053
Mirakhur, R.K. *see* Gupta, K.C. 9—62122
Miranda, L.C.M. *see* Cesar, C.L. 9—64473
Miranda, L.C.M. *see* Lima, M.B.S. 9—56141, 9—68940
Miranker, W.L. *see* Alsop, L.E. 9—65605
Mirantsev, L.V. *see* Nadzhafov, I.M. 9—75969
Mircea, A. *see* Huber, A.M. 9—90988
Mircea, A. *see* Mitonneau, A. 9—65410, 9—99510
Mirels, H. Inhomogeneous broadening effects in CW chemical lasers 9—76679
Mirer, S.A. Planar oscillations of a satellite equipped with two gyroscopes 9—62714
Miridonov, S.V., Petrov, M.P., Stepanov, S.I. Light diffraction by volume holograms in optically active photorefractive crystals 9—64185
Mirinskii, D.S., Shurin, Ya.I. Hydraulic pump adjustable to 1500 bar (NGR-1500) 9—93159
Mirkin, L.I. *see* Smyslov, E.F. 9—70018
Mirkotan, S.F., Smorodinov, V.A. Investigation of the random properties of the sum phase of an ionospheric signal 9—53615
Mirkotan, S.F., Vologdin, A.G., Smorodinov, V.A. Statistical properties of quadrature components of the ionospheric signal 9—75038
Mirkovskaya, R.E., Khainson, Ya.I. An appraisal of the effectiveness of atomic electric-power plant development 9—92057
Mirman, R. Nonexistence of superselection rules: definition of term frame of reference 9—54002
Mirmil'shtein, M.D. *see* Meiklyar, P.V. 9—58823
Miro, N.D. *see* Chiang, C.K. 9—65466
Mirochnik, A.G. *see* Sergienko, V.I. 9—73944
Miron, C. *see* Garlea, I. 9—63862
Miron, E., David, R., Erez, G., Lavi, S., Levin, L.A. Laser spectroscopy of U I using stepwise excitation and fluorescence detection 9—54802
Miron, I. *see* Borneas, M. 9—71325
Miron, N. High stability laser power supply 9—64248
Mironas, A.S. *see* Brazis, R.S. 9—65510
Mirone, P., Fini, G. Local order and vibrational coupling in solutions of polar molecules 9—99868
Mironenko, N.I. *see* Melik-Adamyan, V.R. 9—66444
Mironenko, V.R., Pack, I. Influence of saturation absorption on the sensitivity of intracavity spectroscopy 9—63312
Mironenko, Yu.P., Presnyakov, A.A., Roschchupkin, V.G. Effect of yielding in a rupture machine on the development of superplasticity of aluminium-zinc eutectoid 9—70250
Mironkova, L.I. *see* Malov, Yu.I. 9—60913
Mironneko, L.S. *see* Shalimova, K.V. 9—65933
Mironov, A.B. *see* Efimkov, V.F. 9—98445
Mironov, A.I. *see* Shchukin, V.K. 9—81958, 9—86426
Mironov, A.V., Strokovskii, G.A., Fradkin, E.E. Unidirectional emission in a gas ring laser 9—76721
Mironov, E.A. *see* Epik, A.P. 9—52443
Mironov, E.S. *see* Balbekov, V.I. 9—63829
Mironov, I.I., Vasil'ev, V.Yu., Isaev, N.I. On the reason for the greater resistance of austenite-ferrite steels to corrosion cracking 9—52437
Mironov, I.S. *see* Bayunov, V.I. 9—77425
Mironov, K.E., Vasil'eva, I.G., Kamarzin, A.A., Sokolov, V.V., Malovitskii, Yu.N. Phase diagram of the system La-S 9—78938
Mironov, O.N. *see* Ashaev, V.K. 9—64814
Mironov, S. *see* Mashev, L. 9—55204
Mironov, S.L., Gorlov, Yu.I., Chuiko, A.A. Adsorption potential and electrophysical properties of the silica surface 9—91123
Mironov, V.A. *see* Markov, G.A. 9—77375
Mironov, V.A. *see* Tonkonogov, M.P. 9—93163
Mironov, V.I. *see* Baikov, V.P. 9—66158
Mironov, V.L. *see* Banakh, V.A. 9—92595
Mironov, V.N., Krasnov, N.N., Konyakhin, N.A. Analytic range-energy relation for light ions in materials with atomic numbers from 1 to 92 9—93895
Mironov, Yu.M., Morozov, V.N., Semenov, A.S., Sergveev, A.B. Influence of external optical feedback on transient processes in semiconductor lasers 9—50297
Mironova, E.G. *see* Agapova, N.P. 9—97814
Mironova, G.A., Ponomarev, Ya.G. On the dispersion law of charge carriers in $Bi_{1-x}Sb_x$ alloys with $0 < x \leq 0.12$ 9—87114
Mironova, L.N. *see* Zabudskii, I.P. 9—71513
Mironova, M.L. *see* Balashov, Yu.S. 9—96071
Mironova, O.A. *see* Stafeev, V.I. 9—51664
Mironova, T.G. *see* Anokhina, Z.V. 9—67409
Mironovich, L.E. *see* Ugai, Ya.A. 9—86812
Miropol'skiy, Z.L. *see* Kovalevskiy, V.B. 9—90246
Miroshkin, V.P., Panova, Ya.I., Pasynkov, V.V. Determination of certain parameters of Mn-Zn ferrites from the radio-frequency susceptibility 9—82769
Miroshkin, V.V. *see* Bakanov, L.V. 9—75988
Miroshnichenko, F.D. *see* Sheiko, L.M. 9—61071
Miroshnichenko, G.P. *see* Braun, P.A. 9—98067
Miroshnichenko, I.I., Merri, D.D., Avakyan, R.O., Figut, T.Kh. Experimental investigation of the radiation of relativistic channeled positrons 9—78785
Miroshnichenko, I.S. *see* Tkach, V.I. 9—91636
Miroshnichenko, L.I. *see* Ilenchik, I. 9—84598
Miroshnichenko, Yu.V. *see* Baskov, A.A. 9—49249
Miroshnik, G.A. *see* Oseledchik, Yu.S. 9—64188
Miroshnikov, M.M., Nesteruk, V.F., Porfir'eva, N.N. Iconics and image processing 9—94173
Miroshnikov, V.P. *see* Gromov, V.G. 9—86355
Mirotvorskii, V.S., Ol'shevskii, A.A., Grinberg, B.I. High-temperature strength of VT-7 tungsten wire in powder matrices 9—70021
Mirov, S.B. *see* Basiev, T.T. 9—78747
Mirsaev, I.F., Taluts, G.G. Three-frequency interactions of spin and elastic waves in cubic ferromagnetics 9—91276
Mirsagatov, Sh.A. *see* Azimov, S.A. 9—95440
Mirsalimov, V.M. The elastic-plastic problem for the array, weakened by the periodical system of the round orifices 9—50610
Mirskii, L.M. *see* Bokshtein, S.Z. 9—57009
Mirsky, K. *see* Hirshfield, F.L. 9—51040
Mirtich, M.J., Sovey, J.S. Adhesive bonding of ion-beam-texture metals and fluoropolymers 9—87752
Mirtov, B.A. Transfer of the energy of a solar corpuscular stream to the lower layers of the Earth's atmosphere by infrared emission 9—53425
Mirtskhulava, N.I. *see* Asnin, V.M. 9—99487
Mirumyants, S.O., Demchuk, Yu.S. Broadening of electronic-vibrational bands and mirror symmetry of the diffuse absorption and fluorescence spectra of the vapors of polyatomic molecules 9—98161
Mirumyants, S.O., Vandyukov, E.A., Kozlov, V.K. Response of the line fluorescence of anthracene vapor to an IR laser 9—54893
Mirwald, P.W., Kennedy, G.C. The Curie point and the α-γ transition of iron to 53 kbar—a reexamination 9—56529
Mirza, E.B. *see* Deniz, K.U. 9—86877
Mirza, N. *see* Filges, O.D. 9—85753
Mirza, S., Richardson, J.F. Sedimentation of suspensions of particles of two or more sizes 9—87881
Mirza, S., Singh, A.V. Axisymmetric vibration of continuous shallow spherical shells 9—55335
Mirzabekyan, E.G. *see* Abramyan, Yu.A. 9—75597
Mirzaev, A. *see* Yunusov, M.S. 9—90997
Mirzaev, D.A., Shteinberg, M.M., Ponomareva, T.N., Schastlivtsev, V.M. Influence of the cooling rate on the position of the martensitic point. II. Alloy steels 9—70063
Mirzakhanyan, R.M., Akopyan, R.E. Air flowrate in the pneumatic transport of particulate solids in a dense bed 9—74700
Mirzoyan, R.M. *see* Avakyan, R.O. 9—59051
Misaki, A. *see* Akashi, M. 9—63562
Misaki, T. *see* Yamamoto, H. 9—83925
Misakov, P.Ya. *see* Burakov, V.S. 9—52830, 9—57328, 9—90467
Misawa, K. *see* Takeuchi, I. 9—58147
Misawa, S. *see* Yamashita, H. 9—56872
Misawa, S. *see* Yoshida, S. 9—83038
Misawa, T. *see* Kuraoka, Y. 9—58743, 9—75533
Mischke, R. *see* Bolger, J. 9—85515, 9—85532
Mischke, R. *see* Nagle, D.E. 9—63499
Mischke, R.E. *see* Carrington, R.L. 9—76257
Mischke, R.E. *see* Corfu, R. 9—85538
Mischke, R.E. *see* Frank, J.S. 9—85329
Mischke, R.E. *see* Nagle, D.E. 9—63500
Mischke, W. *see* Dymaczewski, H. 9—55124
Mischler, G. *see* Lockwood, D.J. 9—69826, 9—99871
Mischler, J., Negre, M., Benazeth, N., Spanjaard, D., Gaubert, C., Aberdam, D. Experimental and theoretical study of the angular resolved Auger emission L_{23} of a single crystal target of aluminium excited by ion impact 9—61475
Mischok, W. *see* Dobbert, P. 9—65006
Miseev, V.A. *see* Ganichev, A.I. 9—97393
Misek, J. *see* Herrmannsfeldt, W.B. 9—72138
Misek, J. *see* Malina, V. 9—82698
Misguich, J.H., Balescu, R. Asymptotic propagators and trajectories in plasma turbulence theory 9—90409
Misguich, J.H., Catto, P.J. Comments on 'Adiabatic modifications to plasma turbulence theories' [and reply] 9—90407
Mishakov, V.G. *see* Shukhtin, A.M. 9—63962, 9—79244, 9—90492
Mishanin, N.D. *see* Volkova, V.V. 9—78211
Misharina, L.A. *see* Riznichenko, Yu.V. 9—79783
Mishchenko, E.D., Abdullaev, A.M., Kazachevskaya, T.G., Kvater, G.S. Photoionization radiation spectrometer 9—93233
Mishchenko, E.D., Abdullaev, A.M., Kazachevskaya, T.V., Kvater, G.S. Collisional photoionization emission spectroscopy and apparatus for realizing it 9—55001
Mishchenko, E.D. *see* Kazantsev, S.A. 9—72277
Mishchenko, L.G. *see* Somogy, A. 9—80173
Mishchenko, V.A., Myl'nikov, G.D., Sobolenko, D.N. Transient parametric generation of far-infrared radiation 9—94293
Mishev, D.N., Petrov, P.V. Composition and decomposition on colour and black-and-white images 9—50233
Mishev, D.N., Yanev, T.K., Gerdjikova, M.G., Pelova, N.D. Aeronomic and geophysical indicators of regions of South Atlantic geomagnetic anomaly 9—58187
Mishev, D.N. *see* Yanev, T.K. 9—62515
Misheva, M.A. *see* Georgieva, M.K. 9—59340, 9—69900
Mishima, T. *see* Naruki, K. 9—71909
Mishin, D.I., Serov, Yu.L., Yavor, I.P. Anomalous-dispersion methods in ballistic experiments 9—82014
Mishin, G.I. *see* Testov, V.G. 9—68388
Mishin, V.A., Belyi, M.I. Investigation into vibration resistance of electrical measuring devices accompanying ultraharmonic resonances in moving systems 9—97378
Mishin, V.A. *see* Tsymbal, L.T. 9—87038
Mishin, V.I. *see* Balykin, V.I. 9—72272
Mishin, V.I. *see* Letokhov, V.S. 9—59408

Mishina, H., Vlachos, N.S., Whitelaw, J.H. Effect of wall scattering on SNR in laser Doppler anemometry 9—89953

Mishina, H. *see* Ushizaka, T. 9—88998

Mishina, L.V., Nesterenko, V.B., Sereryanyi, G.Z., Tverkovkin, B.E., Tushin, N.N. Application of analytical expressions for calculating the characteristics of combined mass and heat transfer during the laminar flow of a mixture in chemical nonequilibrium in a tube with boundary conditions of the second kind 9—59965

Mishio, H. *see* Kuwano, N. 9—95029

Mishnev, A.F., Shvets, A.E. Use of the unitary relation to solve the phase problem in X-ray structural analysis 9—90496

Misho, R.H. *see* Boghossian, H. 9—90836

Mishra, C.B., Shrivastava, A.K. Stresses in a rotating composite inhomogeneous disk of variable thickness with axial hole 9—94484

Mishra, G.P., Rai, S.B., Upadhya, K.N. The A-X system of the CuI molecule 9—72326

Mishra, K.C. *see* Panda, J. 9—55401

Mishra, M.B. *see* Ingle, S.G. 9—56749

Mishra, M.M., Sharma, D. Temperature variation of luminescence and some related quantities 9—99923

Mishra, P., Gupta, S.N. Momentum transfer in curved pipes. I. Newtonian fluids 9—68813

Mishra, P., Gupta, S.N. Momentum transfer in curved pipes. II. Non-Newtonian fluids 9—68814

Mishra, P. *see* Nigam, K.K. 9—73328

Mishra, P. *see* Pandey, D.K. 9—68552

Mishra, R. *see* Belli, Y. 9—91810

Mishra, R.K., Thomas, G. Electron microscopy of ferrites 9—87290

Mishra, R.K. *see* Kharsan, R.S. 9—79345

Mishra, R.K. *see* Singh, G.P. 9—85399

Mishra, R.L., Pandey, J.D. Non-linearity and related parameters for liquid xenon 9—77685

Mishra, R.S., Quraishi, R. Collineation and motion in an electromagnetic field with induction 9—50804

Mishra, S. *see* Nimtz, G. 9—50989

Mishra, S.P., Panda, T.Ch. Effect of injection on the flow of second order fluid in the inlet region of a channel 9—68804

Mishra, U.C., Lalit, B.Y., Shukla, V.K., Ramachandran, T.V. Analysis of fresh fallout from Chinese tests by beta counting technique 9—92106

Mishurov, Yu.N. *see* Berman, V.G. 9—88738

Mishustin, I.N. *see* Migdal, A.B. 9—67047

Misiewicz, J. *see* Pawlikowski, J.M. 9—56793

Misin, M.S. *see* Maksimov, S.P. 9—63249

Miska, H., Norum, B., Hynes, M.V., Bertozzi, W., Kowalski, S., Rad, F.N., Sargent, C.P., Sasanuma, T., Berman, B.L. Precise measurement of the charge-distribution differences of the oxygen isotopes 9—63583

Miska, H. *see* Hynes, M.V. 9—63658

Misko, R.M., Hendry, H.E. The petrology of sands in the uppermost Cretaceous and Palaeocene of southern Saskatchewan: a study of composition influenced by grain size, source area, and tectonics 9—84254

Misra, A., Stein, R.S. Stress-induced crystallization of poly(ethylene terephthalate) 9—99083

Misra, A. *see* Russell, T.P. 9—58803

Misra, A.K. *see* Agrawal, B.K. 9—82976

Misra, B. *see* Majumdar, S. 9—76132

Misra, B. *see* Stacey, W.M., Jr. 9—71967

Misra, B.M. *see* Nair, M.K.V. 9—66302

Misra, C.K., Sharma, M.N., Jain, R. Thermodynamics of dipole-relaxation: polar molecules in the non-polar solvent 9—91347

Misra, J.N. *see* Sengupta, P.K. 9—93471

Misra, K.D., Tiwari, M.S. Particle aspect analysis of electromagnetic ion cyclotron instability 9—94781

Misra, N.K., Prabhawalkar, V.P., Ghosh, T.B. Integral width of X-ray line profiles of polycrystalline barium titanate through Curie temperature 9—99830

Misra, N.K., Venkatasubramanian, V.S. Impurity diffusion in bismuth single crystals 9—77819

Misra, P.S. *see* Upadhyaya, G.S. 9—74118

Misra, R. Temperature dependence of free-volume of some liquid alkanes 9—99052

Misra, R.N. *see* Parakash, S. 9—84637

Misra, S.C., Gupta, U.C. The (n,2n) cross sections of ^{85}Rb, ^{107}Ag and ^{181}Ta at 14.6 MeV 9—59055

Misra, S.K., Lewis, N.R. Computation of crystal field parameters using lattice sums as evaluated by the Ewald method 9—91003

Misra, S.N. *see* Singh, M. 9—98113

Misra, T.N. *see* Ghoshal, S.K. 9—54899

Misra, T.N. *see* Jain, K.M. 9—65471

Misra, T.N. *see* Mallik, B. 9—51573

Misra, U.D., Singh, R.N., Gokhale, B.G. Sommerfeld screening parameters for the K level in X-ray spectra 9—68208

Misra, V., Gupta, R.C. Study of amino group reorientation in β-naphthylamine by NMR 9—82881

Misroch, M. *see* Oesterreicher, H. 9—91255

Missana, M. Generalized Compton effect and resonance scattering in astrophysical spectra 9—58242

Missell, F.P. Ultrasonic velocity in the mixed state of Nb-26-at.% Hf 9—60974

Missett, J.-P. *see* Crettez, J.-M. 9—69220

Missimer, J. *see* Desplanques, B. 9—75833

Missirlis, Y.F. *see* Chong, M. 9—53168

Mistrangioli, L. Wave solutions of Einstein's unified field theory 9—49147

Mistrik, I. Zodiacal light experiment for the solar probe Helios: data processing and evaluation 9—80235

Mistry, A.B. *see* Gaskell, P.H. 9—82157

Mistry, F. *see* Bentley, P.G. 9—53210

Mistry, V.D., DeGinder, W.L. Optimization of external beam radiotherapy: quantitative study of relative radiation effects and isoeffect patterns using PC-12 computer 9—62368

Mistura, L. Change of variables in thermodynamics 9—63181

Mistura, L. On the solutions of the Gibbs-Duhem equation 9—85106

Mistura, L. Change of variables near the critical point of pure fluids 9—93065

Misu, A. High magnetic field spin-lattice relaxation rates in the ground state of a Cr^{3+} ion in ruby 9—61407

Misu, A., Mendez, E.E., Dresselhaus, M.S. Near infrared reflectivity of graphite under hydrostatic pressure. I. Experiment 9—91423

Misu, A. *see* Mendez, E. 9—61346

Misulovin, A. *see* Greenspan, E. 9—85791

Misumi, M., Ohkubo, M., Nemoto, K. Study on fatigue crack behaviour under cyclic compression 9—50667

Misumi, M. *see* Kim, Y.-C. 9—91990

Misyunas, A.A., Norkunas, V.K., Stul'pinene, N.A., Valuzhis, A.D. Effect of temperature and concentration of Xe on the parameters of the Cd^{114} λ=326.1 nm resonance line contour 9—63945

Misyunas, A.A., Stul'pinene, N.A., Valuzhis, A.D. Temperature dependence of the parameters of the self-broadened Cd^{114} λ 325.1 nm resonance line 9—63964

Misyunas, G.A. *see* Balyavichyus, V.I. 9—64068

Mita, D.G. *see* Bellucci, F. 9—96366

Mita, K., Aoki, H., Yabe, K. Relationship between appearance of silent period prior to voluntary movement and condition in preparatory phase 9—74622

Mita, T. *see* Morita, S. 9—54638

Mita, T. *see* Ueta, M. 9—95765

Mitachi, S., Shibata, S., Yasu, M., Takahashi, S. Preparation of multi-component high N.A. optical fibers 9—59853

Mitaku, S., Ohtsuki, T., Hirakawa, K., Handa, H., Okano, K. Construction of low shear rate viscometer and its application to ordered monodisperse polystyrene latexes 9—55432

Mitaku, S., Ohtsuki, T., Okano, K. Mechanical properties of ordered monodisperse polystyrene latex as a lyotropic liquid crystal 9—98676

Mitamura, T. *see* Kingery, W.D. 9—78980

Mitamura, T. *see* Kingery, W.O. 9—70069

Mitamura, Y., Yamamoto, K., Mikami, T., Takahashi, M., Nakamura, T., Nishiura, K., Onuma, T. Transapical left ventricular assist device 9—84021

Mitamura, Y. *see* Onuma, T. 9—96708

Mitani, H. *see* Nagai, H. 9—70223, 9—79178, 9—100302

Mitani, H. *see* Yokota, M. 9—99374, 9—99375, 9—99396

Mitani, T., Mori, H., Koda, T., Suga, S., Shin, S., Inoue, K., Nakada, I., Kanzaki, H. Optical spectra of oriented $(SN)_x$ film measured by synchrotron radiation 9—91513

Mitaroff, W. *see* Girtler, P. 9—89197

Mitaroff, W.A. *see* Armstrong, T.A. 9—85344

Mitaroff, W.A. *see* Evangelista, C. 9—75788, 9—80843

Mitchel, G.R., Grek, B., Johnston, T.W., Martin, F., Pepin, H. Nanosecond photography at 10.6 μm using silver halide film 9—89016

Mitchel, W. *see* Tausch, P.J. 9—95385

Mitchel, W.C., Newrock, R.S. Magnetic breakdown in very dilute aluminium-silver alloys 9—99532

Mitchell, A.E., Jr. *see* Brunton, L.J. 9—52981

Mitchell, B.J. *see* Canas, J.A. 9—84123

Mitchell, B.J. *see* Guey-Kuen Yu 9—53321

Mitchell, C.H. Thermal transients in liquid-metal fast breeder reactors 9—97767

Mitchell, D. *see* Cohen, M. 9—90898

Mitchell, D.G. *see* Cronyn, W.M. 9—58214

Mitchell, D.J., Schuster, G.B., Drickamer, H.G. Photophysics of pyrazine and its methylated derivatives at high pressure 9—54902

Mitchell, D.J. *see* Chan, D.Y.C. 9—70335, 9—73080

Mitchell, D.J. *see* Kost, D. 9—89608

Mitchell, F.B.A. Molecule formation in interstellar space. The CH^+ controversy 9—75266

Mitchell, G.E. *see* Chandler, J.R. 9—89276

Mitchell, G.E. *see* Wells, W.K. 9—93586

Mitchell, G.F., Huntress, W.T., Jr. Long chain carbon molecules and diffuse interstellar lines 9—53897

Mitchell, G.F. *see* Huntress, W.T., Jr. 9—92826

Mitchell, G.R. A new interpretation of the low energy maxima observed in the metal X-ray K absorption spectra of ions like $(MnO_4)^-$ 9—74019

Mitchell, G.R. *see* Lovell, R. 9—73061

Mitchell, G.W., Jr. *see* Tak, W.K. 9—88158

Mitchell, H.G., Jr., Kan, J.R. Current interruption in a collisionless plasma by nonlinear electrostatic waves 9—75052

Mitchell, I.V. *see* Ward, D. 9—65130

Mitchell, J.G. *see* Morton, W.H. 9—84204

Mitchell, J.G. *see* Prichard, H.M. 9—88322

Mitchell, J.L., Terrile, R.J., Smith, B.A., Muller, J.-P., Ingersoll, A.P., Hunt, G.E., Collins, S.A., Beebe, R.F. Jovian cloud structure and velocity fields 9—92712

Mitchell, J.L. *see* Ingersoll, A.P. 9—92711

Mitchell, J.M., Jr. The effects of increasing atmospheric CO_2 on climate 9—88029

Mitchell, J.T., Marino, A.A., Berger, T.J., Becker, R.O. Effect of electrostatic fields on the chromosomes of Ehrlich ascites tumor cells exposed in vivo 9—62212

Mitchell, J.T.D. *see* Hancox, R. 9—71976

Mitchell, J.W. Concentration specks and development centers 9—83484

Mitchell, J.W. *see* Freeman, T.L. 9—88000

Mitchell, J.W. *see* Meyer, B.A. 9—62053

Mitchell, J.W. *see* Nixon, W.E. 9—60368

Mitchell, J.W. *see* Randall, K.R. 9—76944

Mitchell, K.A.R. *see* Hengrasmee, S. 9—99426

Mitchell, K.B. *see* van Hulsteyn, D.B. 9—60193

Mitchell, M.A., Cullen, J.R., Abbundi, R., Clark, A., Savage, H. Magnetoelastic effects in $Fe_{71}Co_8B_{20}$ glassy ribbons 9—73790

Mitchell, M.B., Smith, G.R., Jansen, K., Guillory, W.A. The infrared and visible absorption spectra of the lowest triplet state of acridine isolated in an argon matrix 9—68228

Mitchell, M.R. *see* Gnanamuthu, D.S. 9—70198

Mitchell, M.T., Corelli, J.C. Direct band gap transition in irradiated silicon 9—73980

Mitchell, P. The $5p^56s^2$ levels in caesium 9—59349

Mitchell, R., Gupta, N.K., Keltz, P.D., Gertz, E.W. Regional myocardial blood flow from dynamic analysis of thallium-201 9—70627

Mitchell, R. *see* Gaidos, J.A. 9—85440

Mitchell, R.H., Ruff, S.C., Murnaghan, G.A. A system for determining long-term variations of blood pressure and pulse rate 9—57792

Mitchell, R.W. *see* Antonissen, L.A. 9—100648

Mitchell, S.K., Lemmon, J.J. A ray theory model of acoustic interaction with the ocean bottom 9—98532

Mitchell, T.E. Application of transmission electron microscopy to the study of deformation in ceramic oxides 9—87686

Mitchell, T.E. *see* Ogbuji, L.U. 9—100093

Mitchell, T.P. Lie algebras associated with motion in axisymmetric electromagnetic fields 9—49064

Mitchell, W.J., Midgett, M.R., Suggs, J.C. Precision estimates for EPA test method 8-SO_2 and H_2SO_4 emissions from sulfuric acid plants 9—83682

Mitchem, N.I. *see* Corsan, J.M. 9—61115

Mitchiner, J.L., Varnado, S.G. Parametric analysis of conceptual e-beam fusion reactors 9—76121

Miteff, L. *see* Kosaly, G. 9—54530

Mitenkov, F.M. *see* Afanas'ev, V.A. 9—97832

Mitenkov, F.M. *see* Kazachkovskii, O.D. 9—97803

Mitenkov, F.M. *see* Makovskii, A.A. 9—97781

Mitera, M. *see* Masumoto, H. 9—61638

Mitev, V.M., Pavlov, L.I., Stamenov, K.V. Seventh and ninth order nonlinear susceptibility measurement in alkali metal vapour 9—55186

Mitev, V.M., Pavlov, L.I., Stamenov, K.V. Two-photon optical free induction decay measurement by broad-band excitation in unidirectional beams 9—76489

Mitin, A.V., Tarasov, V.A. Influence of constant and oscillating magnetic fields on the structure of domain-wall structure in ferromagnets with a large anisotropy constant 9—69691

Mitin, R.V., Zvyagintsev, A.V., Gonchar, N.I. Optimization of a capacitive plasmotron 9—55568

Mitin, V.V., Tkhorik, Yu.A., Shvarts, Yu.M. Anisotropy of the transverse magnetoresistance in p-Ge films on GaAs 9—51697

Mitin, V.V., Tkhorik, Yu.A., Shvarts, Yu.M. Influence of mechanical stresses on galvanomagnetic effects in heteroepitaxial p-type germanium films 9—91171

Mitin, V.Ya. *see* Gur'ev, A.V. 9—91770

Mitkin, M.I. *see* Magdich, L.N. 9—72683

Mit'kina, N.N., Puko, R.A. Polarized luminescence of europium compounds in isotropic solutions 9—87487

Mitlak, B.H. *see* McFarland, W.J., Jr. 9—92459

Mitlehner, H. *see* Kaufmann, U. 9—86804

Mitlianskij, M.D. *see* Alshits, V.I. 9—69215

Mitnik, L.M. On variations of UHF radiation in atmospheric ozone 9—100897

Mitnitskii, V.Ya. *see* Belotserkovskii, O.N. 9—77174
Mito, I. *see* Akashi, M. 9—63562
Mito, I. *see* Ohta, I. 9—49905
Mitomo, M., Kuramoto, N., Tsutsumi, M., Suzuki, H. The formation of single phase Si-Al-O-N ceramics 9—70031
Mitomo, M., Yajima, Y., Kuramoto, N. Thermal decomposition of Si-Al-O-N ceramics 9—91936
Mitonneau, A., Mircea, A. Auger de-excitation of a metastable state in GaAs 9—65410
Mitonneau, A., Mircea, A., Martin, G.M., Pons, D. Electron and hole capture cross-sections at deep centers in gallium arsenide 9—99510
Mitonneau, A. *see* Huber, A.M. 9—90988
Mitov, M.D. *see* Derzhanski, A.I. 9—60264
Mitra, A.K., Sengupta, P.K. Ideal strength of some monovalent metals with a pseudopotential model 9—77670
Mitra, A.N. Partial symmetry for charmonium, upsilon, and baryonium 9—93335
Mitra, A.N. *see* Chakrabarty, S. 9—67555
Mitra, A.P. *see* Saha, A.K. 9—88536
Mitra, G. Ductile deformation zones and mylonites: the mechanical processes involved in the deformation of crystalline basement rocks 9—53344
Mitra, G.B., Leela Kar A preliminary study of the changes in X-rays reflected by a piezoelectric crystal when subjected to an oscillatory electric field 9—78625
Mitra, G.B., Samantaray, B.K., Mathur, B.K. Extinction in the case of aggregate of distorted crystallites 9—77452
Mitra, N.K., Fiebig, M. Effect of vibrational wall accommodation on small signal gain in CO_2-N_2-H_2O gasdynamic laser (GDL) 9—98340
Mitra, N.R. *see* Thakur, J. 9—78066
Mitra, S., Tullis, J. A comparison of intracrystalline deformation in naturally and experimentally deformed quartzites 9—79830
Mitra, S.K., Allnatt, A.R. The configurational entropy of defect complexes in UO_{2+x} 9—77591
Mitra, S.K., Allnatt, A.R. Approximate and exact virial coefficients for hard rectangular parallelepipeds and cubes on a simple cubic lattice 9—97308
Mitra, S.K. *see* Kuriyan, J.G. 9—100912
Mitra, S.K. *see* Pant, M.M. 9—55321
Mitra, S.S. *see* Massa, N.E. 9—99260
Mitra, S.S. *see* Paul, D.K. 9—61983
Mitra, S.S. *see* Tsay, Y.F. 9—78008
Mitra, S.S. *see* Vaidyanathan, A. 9—60702
Mitra, T.K. A non-perturbative approach to the bound polaron 9—69439
Mitra, T.K., Ray, G.P. The excited states of a bound polaron 9—78021
Mitra, V. *see* Biswas, J.C. 9—86624
Mitrani, L., Dimitrov, G., Yakimoff, N., Mateef, S. Oculomotor and perceptual localization during smooth eye movements 9—74680
Mitreski, M. *see* Ristov, M. 9—56331
Mitrikas, V.G. *see* Kolomenskii, A.V. 9—64181
Mitrinovic, M.D. Optical properties of tin disulphide in the far-infrared spectral range 9—56774
Mitrofanov, I.G. *see* Gliner, E.B. 9—85054
Mitrofanov, V.Ya. *see* Ivanov, M.A. 9—69477
Mitrofanova, N.V. *see* Vinogradov, Ye.A. 9—93168
Mitroi, M.R. *see* Aloman, A. 9—73504
Mitropol'skaya, O.N. Calculation of populations of helium levels in a flare 9—62809
Mitropolsky, I.A. Self-consistent description of pairing in deformed nuclei 9—67646
Mitrovic, M. *see* Napijalo, M.Lj. 9—56495
Mitryaev, A.A. Angular dependence of the specularity coefficient of conductive electrons for plane (110) of tungsten 9—87167
Mitryaev, A.A. *see* Bozhko, S.I. 9—91036
Mitryushkin, V.K. *see* Mavrodiev, S.Shch. 9—80859
Mitsay, Yu.N. *see* Makeev, A.I. 9—91184
Mitsek, A.I., Pushkar, V.N. Microstructure of a charged boundary between ferromagnetic domains 9—69705
Mitsek, A.I. *see* Gurevich, M.E. 9—73744
Mitsevich, I.A. *see* Strakun, G.I. 9—50455
Mitslal, T. *see* Racano, R. 9—64619
Mitsudo, H. Field dependence of photoconductivity in anthracene crystals 9—99578
Mitsuhashi, T., Kleppa, O.J. Transformation enthalpies of the TiO_2 polymorphs 9—100131
Mitsuhashi, T. *see* Konno, K. 9—77358, 9—86581
Mitsuhashi, Y. *see* Endo, M. 9—98475
Mitsui, K., Masuda, Y. Transport properties in a Kondo superconductor 9—65600
Mitsui, K. *see* Inaba, A. 9—77723
Mitsui, T. *see* Nakamura, T. 9—51039
Mitsuishi, A. *see* Daimon, M. 9—95770
Mitsuishi, A. *see* Iwamoto, N. 9—73925
Mitsuishi, A. *see* Nakashima, S. 9—99884
Mitsuishi, T. *see* Miyao, M. 9—55793
Mitsumata, T., Takahashi, K., Iwaki, T., Kitamura, E. Iron-nickel battery—a new battery for electric vehicles in the National Research and Development Project instituted by the Ministry of International Trade and Industry in Japan 9—83589
Mitsunobu, S. *see* Endo, K. 9—72046
Mitsuya, S. *see* Tsunashima, S. 9—99746
Mitsuyasu, H., Yi-Yu Kuo, Masuda, A. On the dispersion relation of random gravity waves. II. An experiment 9—72904
Mitsuyasu, H. *see* Masuda, A. 9—72903
Mittal, J.P. *see* Wani, A.M. 9—52704
Mittal, K.L. *see* Bhattacharya, S. 9—50676
Mittal, M.L., Govinda Thirtha, D. Non-linear hydromagnetic waves in two-electron temperature plasma 9—98884
Mittall, M.L., Masapati, G.H., Rohatgi, V.K. Performance of magnetohydrodynamic generator in the inlet region 9—92085
Mittelbrunn, J.R. *see* Leon, J. 9—75387
Mitter, H. *see* Becker, W. 9—58910
Mittlefehldt, D.W., Wetherrill, G.W. Rb-Sr studies of CI and CM chondrites 9—84754
Mittleman, M.H. Resonant laser induced negative ion production 9—64104
Mittleman, S.D. *see* Grindle, S.P. 9—95926
Mittleman, S.D. *see* Harmon, D. 9—56061
Mittleman, S.D. *see* Loferski, J.J. 9—56866
Mittleman, S.D. *see* Morency, D.G. 9—56056
Mitton, S. *see* Hazard, C. *(editor)* 9—75281
Mittova, I.Ya. *see* Domashevskaya, E.P. 9—87008
Mittova, I.Ya. *see* Ugai, Ya.A. 9—86812
Mittra, I.S. *see* Sengupta, P.K. 9—93471
Mittra, R., Safavi-Naini, S. Source radiation in the presence of smooth convex bodies 9—64151
Mittsev, M.A. *see* Loginov, M.V. 9—69363, 9—69364
Mitus, A.C. Stochastic weight function in renormalisation group treatment of the three dimensional Ising model 9—51734
Mitwally, E.M. Heat transfer in plane Couette flow with additional pressure gradient including entrance effects for a non-Newtonian fluid 9—50760
Mityagin, Yu.A., Kucherenko, I.V., Vodop'yanov, L.K., Shtanov, V.I. Spectra of infrared-active optical phonons in SnSe 9—69848
Mityagin, Yu.A. *see* Vinogradov, E.A. 9—73949
Mityanock, V.V. *see* Kostyukovich, N.N. 9—49110
Mityushov, E.A. *see* Adamescu, R.A. 9—91700
Miura, I., Saito, T., Shimizu, A. RF system for the RCNP cyclotron 9—54686
Miura, I., Yamazaki, T., Shimizu, A., Inoue, M., Saito, T., Hosono, K., Itahashi, T., Kondo, M., Yamabe, S. Proposal for a new ring accelerator 9—54663
Miura, I., Yamazaki, T., Shimizu, A., Inoue, M., Saito, T., Hosono, S., Itahashi, T., Kondo, M., Yamabe, S. Design study of the intermediate energy particle accelerator complex 9—68013
Miura, I. *see* Asaoka, K. 9—70122
Miura, K., Imazu, S., Takamatsu, T. Abrupt decrease of axial electric field in a magnetized positive column in neon 9—77439
Miura, K. *see* Fukui, H. 9—85893
Miura, K. *see* Hashimoto, E. 9—69280
Miura, K. *see* Itoh, C. 9—58941
Miura, N., Chikazumi, S. Computer simulation of megagauss field generation by electromagnetic flux-compression 9—50189
Miura, N., Kido, G., Akihiro, M., Chikazumi, S. Production and usage of megagauss fields for solid state physics 9—71491
Miura, S., Hamashima, K. Plastic deformation of aluminium bicrystals having $\Sigma 7$ and $\Sigma 21$ coincidence tilt boundary 9—66116
Miura, S., Iida, I. Torsional deformation and hot ductility in copper and Cu-Zn alloys 9—57069
Miura, T. Relativistic path integrals 9—85000
Miura, Y. Modulated microstructure of plagioclase feldspars from Hida, Hidaka and Abukuma metamorphic rocks of Japan 9—96760
Miura, Y. *see* Miyatani, S. 9—78140
Miyashita, S., Betts, D.D., Elliott, C.J. High-field series expansions and critical properties for the three-state Potts model 9—85090
Miwa, H. Local environment effect on magnetic states of atoms in transition-metal alloys 9—56491
Miwa, J. *see* Niitsu, Y. 9—55274
Miwa, M. *see* Komiyama, T. 9—87418
Miwa, O. *see* Osada, M. 9—70291
Miwa, S. *see* Midorikawa, M. 9—100132
Miwa, T. *see* Jimbo, M. 9—97518, 9—97519
Miwa, T. *see* Sato, M. 9—67193, 9—75690, 9—80472
Mix, L.P. *see* Perry, F.C. 9—49832
Mix, M.C. *see* Abbott, D.T. 9—66486
Miya, T., Terunuma, Y., Hosaka, T., Miyashita, T. Ultra low loss single-mode fibers at 1.55 μm 9—90018
Miya, T. *see* Horiguchi, M. 9—81520
Miya, T. *see* Imoto, N. 9—90020
Miya, T. *see* Machida, S. 9—50385
Miyachi, I. *see* Sakakibara, T. 9—90485
Miyadai, T. Weak ferromagnetism in $Fe_xNi_{1-x}S_2$ (x=0-0.075) 9—51755
Miyagawa, H., Oda, A. X-ray elastic constant measurement of tensile pre-strained 18 Cr-8 Ni austenitic stainless steel 9—66093
Miyagi, M., Lam Yip, G. Excitation and splicing of the step-index W-fiber 9—98477
Miyagi, M., Nishida, S. Pulse operating in a single-mode fiber due to third-order dispersion 9—50370
Miyagi, M., Nishida, S. An approximate formula for describing dispersion properties of optical dielectric slab and fiber waveguides 9—55217
Miyagi, M., Nishida, S. Pulse spreading in a single-mode optical fiber due to third-order dispersion: effect of optical source bandwidth 9—81523
Miyaguchi, K. *see* Hishida, H. 9—93689
Miyahara, A. *see* Aoki, H. 9—85771
Miyahara, A. *see* Hirao, Y. 9—72117
Miyahara, A. *see* Kawasaki, S. 9—72040
Miyahara, A. *see* Kobayashi, N. 9—76171
Miyahara, A. *see* Takagi, K. 9—76177
Miyahara, K. *see* Igata, N. 9—70077, 9—79056
Miyahara, Y. Analysis of transverse coherent instability in KEK booster 9—76183
Miyahara, Y., Kawakubo, T. Beam loss in initial acceleration process of KEK booster 9—76182
Miyahara, Y. *see* Nomura, H. 9—83522
Miyairi, H., Nagai, M., Muramatsu, A. Flexural fracture and mechanical properties of nonsymmetrical sandwich construction 9—74233
Miyaji, T. *see* Hata, S. 9—101095
Miyajima, H. *see* Nishida, N. 9—56664
Miyajima, K. *see* Maeda, M. 9—81056
Miyajima, M. *see* Arakita, Y. 9—85850
Miyajima, Y. *see* Kawase, M. 9—72709
Miyakawa, M. *see* Watanabe, S. 9—63066
Miyakawa, S. *see* Kodama, S. 9—66081
Miyake, A., Hoshino, Y. Theory of twisted stiff chains. I 9—59611
Miyake, C., Hinatsu, Y., Imoto, S. Magnetic exchange interaction in amide complexes of uranium (IV) tetrachloride 9—78303
Miyake, C. *see* Fuji, K. 9—91292
Miyake, H. Partial pressure measurements in extreme high vacuum 9—71474
Miyake, H. *see* Imachi, K. 9—84018
Miyake, H. *see* Mizukami, A. 9—54373
Miyake, K. *see* Miyata, N. 9—87022
Miyake, M. *see* Ohmichi, T. 9—73301
Miyake, S. High energy interactions at cosmic ray energies 9—63563
Miyake, S. *see* Fukushima, K. 9—83756
Miyake, Y. *see* Osumi, Y. 9—95168
Miyako, Y., Chikazawa, S., Saito, T., Yuochunas, Y.G. Nonlinear magnetization at the spin glass phase transition temperature 9—78403
Miyako, Y., Sato, T., Kimishima, Y., Yuochunas, Y.G. Thermal properties of $(Ti_{0.99}V_{0.01})_2O_3$: a spin glass 9—56546
Miyako, Y. *see* Chikazawa, S. 9—91233
Miyako, Y. *see* Chikazwa, S. 9—87228
Miyako, Y. *see* Katsumata, K. 9—73748
Miyako, Y. *see* Kobayashi, M. 9—65678
Miyakoshi, T. *see* Kimura, N. 9—58976
Miyama, H. *see* Shimokawa, Y. 9—91951
Miyama, K. *see* Ueda, M. 9—66118
Miyamoto, G. *see* Mase, H. 9—87539
Miyamoto, K. *see* Kawahata, K. 9—50891
Miyamoto, K. *see* Matsuoka, K. 9—64848, 9—64890, 9—86582
Miyamoto, M. *see* Furuya, K. 9—64335, 9—81560
Miyamoto, N. *see* Kuroda, E. 9—99461
Miyamoto, S. A new type of X-ray telescope. Hadamard transform X-ray telescope 9—84672
Miyamoto, S. *see* Oda, M. 9—80220
Miyamoto, T. *see* Kimura, M. 9—76838
Miyamoto, Y. The buckling strength of a bar on elastic foundation under various boundary conditions 9—64546
Miyamoto, Y., Ariga, M., Otuka, A., Morita, F., Chikazumi, S. Temperature dependence of magneto-electric effect of magnetic (Fe_3O_4) at about 10K 9—78498
Miyanaga, N. *see* Yamanaka, C. 9—82070
Miyanaga, S., Asakura, T., Imai, M. Scattering characteristics of a beam mode in dielectric-slab waveguide 9—55230
Miyanishi, Y., Watanuki, G. Spurious mode due to number non-conservation and the RPA ground states 9—54401
Miyano, K. Wall-induced pretransitional birefringence: a new tool to study boundary aligning forces in liquid crystals 9—73096
Miyano, K. *see* Sohl, C.H. 9—98741
Miyano, K. *see* Tamura, T. 9—75818
Miyao, M., Tamura, H., Ohyu, K., Tokuyama, T. Annealing behavior of phosphorus implanted silicon irradiated by several lasers of different wavelength 9—69132
Miyao, M., Tanaka, A., Sukegawa, T., Hagino, M. Photoemission study of negative-electron-affinity GaP 9—87559
Miyao, M., Yoshihiro, N., Tokuyama, T., Mitsuishi, T. Damage-dependent electrical activation of ion-implanted silicon. I. Experiments on phosphorus implants 9—55793
Miyao, M. *see* Tamura, H. 9—86808
Miyao, M. *see* Watanabe, K. 9—65105
Miyasaka, K. *see* Kattan, M. 9—62379
Miyashita, K. *see* Onnagawa, H. 9—99071
Miyashita, T. *see* Katsuyama, Y. 9—81522
Miyashita, T. *see* Miya, T. 9—90018
Miyashita, T. *see* Nakayama, J. 9—55271
Miyata, H. *see* Kawati, S. 9—97287

Miyata, K., Hanafusa, H. Studies on turbulence and random switching of an attached jet 9—68779

Miyata, N., Miyake, K., Nao, S. Physical properties of cadmium-tin oxide films deposited by d.c. reactive sputtering 9—87022

Miyata, T., Ishizawa, N., Minato, I., Iwai, S.-I. Gas-flame heating equipment providing temperatures up to 2600K for the four-circle diffractometer 9—60222

Miyata, T. *see* Yasuoka, Y. 9—87171

Miyata, Y. *see* Inque, T. 9—74759

Miyata, Y. *see* Tanabe, T. 9—77822

Miyatake, Y. *see* Seo, T. 9—67655

Miyatani, S., Miura, Y., Ando, H. Mixed conduction in AgCuSe 9—78140

Miyauchi, E. *see* Daido, Y. 9—81518

Miyauchi, M. *see* Shimizu, N. 9—99947

Miyauchi, T. *see* Sonomura, H. 9—52004

Miyauchi, T. *see* Yoshioka, H. 9—95321, 9—99469

Miyauchi, Y. *see* Takahashi, K. 9—91815

Miyawaki, M. *see* Ikeda, A. 9—85356

Miyazaki, A. Dragging effect on the inertial frame and the contribution of matter to the gravitational 'constant' in a closed cosmological model of the Brans-Dicke theory 9—67206

Miyazaki, H. *see* Okuwa, T. 9—99275

Miyazaki, K., Hagio, T., Kobayashi, K. Graphite-boron carbide bodies made by hot-pressing and some of their properties 9—78923

Miyazaki, K. *see* Yamabayashi, N. 9—94216

Miyazaki, M. *see* Abe, S. 9—66709

Miyazaki, N., Kannoto, Y., Kurihara, R. Parametric study of pipe whip behavior. 4B, sch-80 pipe under BWR conditions 9—97825

Miyazaki, N. *see* Yagawa, G. 9—94507

Miyazaki, S. Ionospheric plasma probe studies and ionospheric structure studies by space vehicle observations 9—53540

Miyazaki, S., Fujita, H., Hiraoka, H. Effect of specimen size on the flow stress of rod specimens of polycrystalline Cu-Al alloy 9—79051

Miyazaki, S., Shibata, K., Fujita, H. Effect of specimen thickness on mechanical properties of polycrystalline aggregates with various grain sizes 9—61645

Miyazaki, S. *see* Awai, I. 9—76872

Miyazaki, S. *see* Tokita, S. 9—96304

Miyazaki, T. CP nonconservation in the radiative annihilation of lepton-antilepton pairs 9—58899

Miyazaki, T., Gyoda, N., Koyama, E., Osada, N. Levelling surveys at the Asama Volcano 9—70731

Miyazaki, T., Kitagawa, T., Uyemura, T., Yamamoto, Y. A new method for measuring dynamic photoelastic constant by holography 9—64610

Miyazaki, T., Nakamura, K., Mori, H. Experimental and theoretical investigations on morphological changes of γ' precipitates in Ni-Al single crystals during uniaxial stress-annealing 9—83236

Miyazaki, T., Takagishi, S., Mori, H., Kozakai, T. Spinodal decomposition and formation of modulated structure in iron-molybdenum alloys 9—100184

Miyazaki, T. *see* Kitabatake, Y. 9—57515

Miyazaki, T. *see* Mori, H. 9—100224

Miyazaki, T. *see* Murata, Y. 9—100183

Miyazaki, T. *see* Shimozuru, D. 9—70773

Miyazaki, T. *see* Suzuki, M. 9—52972, 9—74924

Miyazaki, T. *see* Takagishi, S. 9—100192

Miyazaki, T. *see* Takahashi, M. 9—52398, 9—65670

Miyazaki, T. *see* Yasuoka, Y. 9—58130

Miyazaki, T. *see* Yoshimura, J. 9—52099

Miyazaki, Y. *see* Ninagawa, C. 9—68404

Miyazawa, H. *see* Matsuyama, S. 9—67503

Miyazawa, K. *see* Tanaka, K. 9—96147

Miyazawa, S. Ferroelectric domain inversion in Ti-diffused $LiNbO_3$ optical waveguide 9—94338

Miyazawa, S., Koizumi, H., Kubodera, K., Iwasaki, H. Epitaxial growth of $KNdP_4O_{12}$ laser waveguides 9—91597

Miyazawa, S. *see* Fujii, K. 9—60207

Miyazawa, S. *see* Kubodera, K. 9—50305

Miyazawa, T., Ashibe, K., Takamatsu, S., Mimoto, Y. Gaseous fission-product detector for LMFBR failed-fuel detection 9—97856

Miyazawa, Y. *see* Tsukioka, M. 9—78097

Miyazima, S. *see* Kasai, H. 9—78057

Miyazoe, Y. *see* Maeda, M. 9—50071, 9—64208

Miyazoe, Y. *see* Okada, T. 9—81450

Miyazoe, Y. *see* Uchino, O. 9—59691

Miyoshi, J. *see* Kobayashi, S. 9—87986

Miyoshi, K., Buckley, D.H. Friction, deformation and fracture of single-crystal silicon carbide 9—96150

Miyoshi, S. *see* Kamada, K. 9—76576

Miyoshi, S. *see* Yatsu, K. 9—94806

Miyoshi, T., Araki, M. Remark on the unconditional stability of a finite element scheme for nonlinear plate problems 9—77004

Miyoshi, T. *see* Zako, M. 9—61655

Miyoshi, Y. *see* Kakusho, O. 9—72761

Miyoshi, Y. *see* Kondo, Y. 9—86627

Mizeraczyk, J. *see* Subotinov, N.V. 9—50319

Mizerczyk, J.K. *see* Rozsa, K. 9—99017

Mizetskaya, I.B. *see* Budennaya, L.D. 9—100120

Mizetskaya, I.B. *see* Oleinik, G.S. 9—52179

Mizhiritskii, O.I. *see* Bogatov, A.A. 9—61651 .

Mizhiritskii, V.I. *see* Babykin, M.V. 9—68945

Mizia, J. *see* Richter, A. 9—61034

Mizin, V.M. *see* Batashev, S.P. 9—72610

Miziolek, A.W. Atmospheric spectra and the temperature dependence of collisional cross sections 9—96787

Miznikov, K.P. *see* Balbekov, V.I. 9—63829

Mizobuchi, A. *see* Hirao, Y. 9—72117

Mizoguchi, K., Tsuji, S., Tsuchida, E., Shinohara, I. Chemical stability and electroconductivity of 7,7,8,8-tetracyanoquinodimethane salts containing polycation polymers 9—83456

Mizoguchi, T., Cargill, G.S., III Magnetic anisotropy with dipolar interactions in amorphous ferrimagnetic alloys 9—87252

Mizoguchi, T., Kobliska, R.J., Maekawa, S., Imazu, T. Spin wave resonance in amorphous ferrimagnetic GdCoMoAr alloy film 9—73823

Mizokawa, Y. *see* Iwasaki, H. 9—100274

Mizomoto, M., Ikai, S. Evaporation and ignition of a fuel droplet on a hot surface. II. Ignition 9—96311

Mizomoto, M., Ikai, S., Hayano, H. Evaporation and ignition of a fuel droplet on a hot surface. I. Evaporation 9—96310

Mizonov, V.M. *see* Es'kova, N.F. 9—61776

Mizouchi, M. *see* Kinoshita, K. 9—58940

Mizrahi, M.M. The semiclassical expansion of the anharmonic-oscillator propagator 9—63072

Mizrukhin, L.V. *see* Blonskii, I.V. 9—82334

Mizuhashi, S. R-T conformational change of ferrohemoglobin 9—70521

Mizui, J. *see* Yamaguchi, N. 9—85930, 9—86618

Mizui, J. *see* Yamanaka, C. 9—82070

Mizuide, M. *see* Sutoh, T. 9—88921

Mizuike, A., Pinta, M. General aspects of trace analytical methods. III. Contamination in trace analysis 9—52842

Mizukami, A., Miyake, H. Quasi-particle coupling to pairing and quadrupole vibrations 9—54373

Mizuma, M. An investigation of a simple physical model of the convective planetary boundary layer [AMTEX data] 9—57995

Mizumachi, Y. *see* Boussard, D. 9—72114

Mizumachi, Y. *see* Kondoh, M. 9—68048

Mizumoto, Y. *see* Aguirre, C. 9—62699

Mizumoto, Y. *see* Yamada, K. 9—81457

Mizunami, T. *see* Uchino, O. 9—59691

Mizuno, H. *see* Fujitani, Y. 9—52985

Mizuno, H. *see* Hayashi, C. 9—57935

Mizuno, H. *see* Sugiyama, K. 9—61509

Mizuno, O. *see* Naruki, K. 9—71909

Mizuno, T. *see* Hara, T. 9—72807

Mizuno, T. *see* Ohgo, K. 9—61801

Mizusaki, T. *see* Maegawa, S. 9—56027

Mizusawa, T., Kajita, T., Naruoka, M. Vibration of skew plates by using B-spline functions 9—68623

Mizushima, T. *see* Maezawa, K. 9—91025

Mizushima, Y. *see* Kajiyama, K. 9—95475

Mizushima, Y. *see* Nagai, H. 9—99925

Mizushima, Y. *see* Utsugi, Y. 9—77712

Mizuta, S. *see* Ishigaki, H. 9—95076

Mizuta, Y., Ohno, A. Optical satellites of Langmuir turbulence 9—60111

Mizutani, K. *see* Akashi, M. 9—63562

Mizutani, K. *see* Ohta, I. 9—49905

Mizutani, M. *see* Kamiya, K. 9—70038

Mizutani, N. *see* Uematsu, K. 9—78100

Mizutani, T., Rochus, P. A possible pole in the πNN vertex function and the low energy πN scattering 9—85332

Mizutani, T. *see* Avishai, Y. 9—85371, 9—97659

Mizutani, T. *see* Kurumada, K. 9—56238

Mizutani, T. *see* Takai, Y. 9—61445, 9—99647

Mizutani, U., Kondow, T., Uda, M. Experimental observation of the Fermi surface-Brillouin zone interaction in pure zinc by means of X-ray photoelectron spectroscopy 9—52078

Mizutani, Y., Yano, K. Blowout behavior and attachment mechanism of coaxial-flow jet diffusion flames 9—72957

Mizuuchi, T. *see* Morimoto, S. 9—50879

Mjolsness, R.C. Kelvin-Helmholtz-like instability of a shear layer subject to free boundary conditions 9—68726

Mkhatvrishvili, M.D. *see* Elashvili, Z.M. 9—86682

Mkrtchyan, A.R., Arutyunyan, G.A., Arakelyan, A.R., Gabrielyan, R.G. Modulation of Mossbauer radiation by coherent ultrasonic excitation in crystals 9—61277

Mkrtchyan, A.R. *see* Arakelyan, A.R. 9—87345

Mkrtchyan, G.G. *see* Aleksanyan, A.S. 9—68133

Mkrtchyan, M.M., Platonenko, V.T. A possible mechanism of relaxation over the rotational sublevels of molecules under conditions of saturation of a vibrational-rotational transition 9—64083

Mkrtchyan, M.Zh. *see* Khrimyan, A.V. 9—80111

Mkrtchyan, V.S. *see* Aivazov, M.I. 9—73674, 9—91212

Mkrtchyan, V.S. *see* Ajvazov, M.I. 9—82749

Mladek, J. *see* Stuchly, S.S. 9—57825

Mladek, M. *see* Rybnikar, F. 9—65008

Mladen, F., Hornbogen, E. Thermomechanical treatment of a hypereutectoid steel 9—52243

Mladenov, G.M., Braun, M. Ion bombardment induced line radiation from sputtered beryllium 9—91553

Mladenov, I. *see* Aleksandrov, E. 9—93166

Mladenov, I. *see* Koparanova, N.S. 9—60867

Mladenov, K. *see* Kozarov, M. 9—81753

Mladenow, I. *see* Wladkow, K. 9—100333

Mladjenovic, M., Zupancic, M., Vukanovic, R. Analysis of a compilation of the measured K-shell internal conversion coefficients for pure E2 transitions 9—75910

Mladjenovic, M.S. Magnetic electron spectrometers and their in-beam use 9—68128

Mlejnek, H.-P. *see* Argyris, J.H. 9—94490

Mlik, Y. *see* Couzi, M. 9—56794

Mlinko, S. *see* Gacs, I. 9—57333

Mnyukh, Yu.V. Molecular mechanism of polymorphic transitions 9—73305

Mnyukh, Yu.V. Polymorphic transitions in crystals: kinetics 9—73306

Mo, L. *see* Loomis, W.A. 9—71757

Mo Chan Chen *see* Chan Chen Mo

Mo Dalun Successive determination of oscilloscopic polarography of cadmium, copper and zinc in environmental pollution analysis 9—53002

Moak, C.D., Datz, S., Crawford, O.H., Krause, H.F., Dittner, P.F., Gomez del Campo, J., Biggerstaff, J.A., Miller, P.D., Hvelplund, P., Knudsen, H. Resonant coherent excitation of channeled ions 9—51178

Moak, C.D. *see* Appleton, B.R. 9—77658

Moak, C.D. *see* Knudsen, H. 9—54957

Moalem Maron, D., Cohen, S. Non-Darcy flow with change of phase in internally energised flat shaped porous element 9—94709

Moali, J. *see* Jonscher, A.K. 9—65785

Moan, G.D., Embury, J.D. A study of the Bauschinger effect in Al-Cu alloys 9—61646

Moan, J., Wold, E. Detection of singlet oxygen production by ESR 9—66597

Moan, M., Ghoneim, S., Chauveteau, G. Entrance effect in capillary flow of dilute and semi-dilute polymer solutions 9—60033

Moan, M. *see* Nierlich, M. 9—77484

Moaveni, M.K. Plane wave diffraction by circular transmission grating: finite-difference approach 9—68352

Moazami-Goudarzi, K., Parhikhteh, H. A quantitative seismotectonic study of the Iranian Plateau 9—88279

Mobbs, S.D. Theory of the rainbow 9—96817

Moberly, L.A., Symko, O.G., Williams, G. Low temperature behavior of PdCo alloys 9—61055

Moberly, L.A. *see* Chamberlin, R.V. 9—63290, 9—75560

Mobius, D. Molecular cooperation in photo-induced electron transfer in monolayer assemblies 9—73985

Mobius, D. *see* Wahling, G. 9—87001

Mobius, E., Piel, A., Himmel, G. Determination of the plasma parameters and the suprathermal microfields in a critical velocity rotating plasma 9—60198

Mobley, R.M., Gammel, G., Maschke, A.W. Gabor lenses 9—68070

Mobley, R.M. *see* Brodowski, J. 9—76155

Mobley, R.M. *see* Gammel, G.M. 9—72132

Mocellin, A. *see* Blanc, M. 9—78984

Mochalin, N.K., Zastol'skaya, Z.K., Lisitskaya, L.A. Induction apparatus for vacuum annealing of tubular parts 9—57021

Mochalov, A.I. *see* Kolebanov, A.K. 9—99226

Mochalov, I.V. *see* Kaminskii, A.A. 9—50303

Mochalov, I.V. *see* Kovaleva, N.S. 9—90652

Mochalova, N.S., Kholpanov, L.P., Malyusov, V.A., Zhavoronkov, N.M. Hydrodynamics and heat exchange in a liquid film in the entrance section with allowance for frictional forces at the interface 9—86433

Mochan, S.I. *see* Apatovskii, L.E. 9—68710

Mochel, P. *see* Maher, D.M. 9—100000

Mochel, V.D., Bethea, T.W., Futamura, S. Tetrahydrofuran-propylene oxide copolymers. I. End-group analysis by ^{13}C n.m.r. and the mechanistic inferences 9—66293

Mochida, Y. *see* Nakagawa, K. 9—55243

Mochizuki, K., Igaki, K. Vapor phase transport and stoichiometry control of cadmium sulfide 9—100034

Mochizuki, M. *see* Murozono, M. 9—83599

Mochizuki, M. *see* Oya, A. 9—77466

Mochizuki, S. Mass transport phenomena and hydrodynamics in packed beds with gas-liquid concurrent upflow 9—50784

Mochizuki, S., Ishihara, K., Nakatani, N. Optical fiber cable structure design 9—59821

Mochizuki, S., Ishihara, K., Nakatani, N. Structure design for optical fiber cable 9—59829

Mochizuki, S. *see* Katsuyama, Y. 9—81522, 9—90019

Mochizuki, T. *see* Maeyama, H. 9—81192

Mochizuki, T. *see* Morikawa, M. 9—81414

Mochizuki, Y. A new method to analyse vibrations of resonators by the combination of plate equations and finite element method 9—55296

Mochkovitch, R., Hansen, J.P. Fluid-solid coexistence curve of dense coulombic matter 9—97330

Mochnacki, S.W., Schommer, R.A. A spectroscopic flare by YZ Canis Minoris 9—92780
Mock, J. *see* Capizzi, M. 9—95336
Mock, W., Jr., Holt, W.H. Muzzle flange alignment technique for gas gun 9—67271
Mock, W., Jr., Holt, W.H. Axial-current-mode shock depoling of PZT 56/44 ferroelectric ceramic disks 9—78631
Mockel, A.J. *see* Shenoy, S.K. 9—76050
Mockler, R.C. *see* Meadows, M.R. 9—90788
Mockler, R.C. *see* Scheibner, B.A. 9—90787
Mockros, L.F. *see* Ramstack, J.M. 9—74704
Modares, M., Wolf, L. PL-MODT: a modular fault tree analysis and transient evaluation code 9—49784
Modarres, M., Irvine, J.M. The magnetic susceptibility of neutron matter 9—75884
Modarresi, K. *see* Kirchhoff, R.H. 9—83551
Moddel, G. *see* Anderson, D.A. 9—91096, 9—91585
Modebadze, M.G. *see* Bandzeladze, A.E. 9—70279
Modena, G. The speaking computer: how it can synthesize the human voice 9—98564
Modena, I. *see* Amaldi, E. 9—67217
Modena, I. *see* Bordoni, R. 9—63274
Modersitzki, W. *see* Hanssgen, T. 9—74571
Modestino, J.W., Fries, R.W., Daut, D.G. Generalization of the two-dimensional random checkerboard process 9—81374
Modi, V., Sukhatme, S.P. Estimation of daily total and diffuse insolation in India from weather data 9—100926
Modine, F.A. Stress-induced optical dichroism of V^--centers in MgO 9—61406
Modinos, A., Aers, G.C., Paranjape, B.V. Quantum size effect in normal-metal tunneling 9—73601
Modis, T. *see* Chilingarov, A. 9—54365, 9—54368
Modisette, J.L. *see* De Jager, C. 9—70955
Modisette, J.L. *see* Kondo, Y. 9—70954
Modugno, M., Stefani, G. On the geometrical structure of shock waves in general relativity 9—71297
Moe, K. Aerosol extinction and ozone measurements 9—84431
Moe, O.K., Cook, J.W., Mango, S.A. EUV observations of quiescent prominences from Skylab 9—66987
Moeck, E.O. *see* Lepp, R.M. 9—93799, 9—97852
Moeck, H.J. *see* Meier, W.M. 9—55718
Moeller, C.P. *see* Hensen, T.H. 9—73056
Moenich, J. *see* Stacey, W.M., Jr. 9—71967
Moenich, J.S. *see* Mazarakis, M.G. 9—72133
Moenich, J.S. *see* Moretti, A. 9—76158
Moennich, E., Mueller, G., Scheuerpflug, W., Sellinschegg, D. A continuous controllable containment system for the SNM flow in a zero power plutonium reactor facility 9—85683
Moerman, J.J.B. Accuracy of photometry of retroreflectors and retroreflective materials 9—85159
Moffat, A.F.J., Seggewiss, W. The intrinsically bright Wolf-Rayet stars of type WN7. IV. The galactic WN7/WN8 stars as massive O-stars in advanced stages of evolution 9—92778
Moffat, A.F.J. *see* Fitzgerald, M.P. 9—88644
Moffat, A.F.J. *see* Kam-Ching Leung 9—97027
Moffat, D.G. *see* Moreton, D.N. 9—61658
Moffat, J.B. The isomers of diazomethane 9—50161
Moffat, J.B. The dissociative chemisorption of molecular hydrogen on lithium clusters 9—77918
Moffat, J.W. Static spherically symmetric solution for the field of a charged particle in a theory of gravity 9—85031
Moffat, J.W. New theory of gravitation 9—85045
Moffat, J.W. *see* Haacke, E.M. 9—97628
Moffat, J.W. *see* Kunstatter, G. 9—49146, 9—88775
Moffat, R.J. *see* Pimenta, M.M. 9—81863
Moffatt, G. *see* Ammosov, V. 9—71737
Moffatt, G. *see* Efremenko, V.I. 9—75763
Moffatt, G.I. *see* Berge, J.P. 9—71741
Moffatt, S. *see* Smith, A.L.S. 9—89923
Moffeit, K.C. *see* Cuatis, C.V. 9—89193
Moffet, A.T. *see* Readhead, A.C.S. 9—92883
Moffett, D.R. *see* Nagle, D.E. 9—63500
Moffett, D.R. *see* Shochet, M.J. 9—63474
Moffett, R.J. *see* Bailey, G.J. 9—58167, 9—84583, 9—84584
Moffett, T. *see* Barnes, T. 9—80330
Moffett, T.J., Barnes, T.G., III. Equatorial UBVRI photoelectric sequences 9—62875
Moffett, T.J., Barnes, T.G., III Secondary standards for BVRI photometry 9—70962
Moffett, T.J. *see* Barnes, T.G., III 9—84827
Mogami, A. Analytical techniques with the Auger scanning electron microscope 9—79359
Mogami, K. *see* Ogai, M. 9—50471
Mogami, S. *see* Kato, S. 9—65973
Mogensen, O.E. Track effects and muonium formation 9—57259
Mogensen, O.E. Electron scavenging by SF_6 in the positron spur in nonpolar liquids 9—100421
Mogensen, O.E. *see* Andersen, J.R. 9—61846
Moghaddam, B.M. *see* Allen, N.S. 9—96341
Moghal, G.R. Investigations of gold surface state energy levels at the silicon-silicon dioxide interface by the MOS capacitance-voltage measurement technique 9—51652
Moghal, G.R. The influence of gold when present at a silicon/silicon dioxide interface 9—82672
Moghissi, A.A., Carter, M.W. Considerations in radioactive waste management 9—57727
Moghissi, A.A., Godbee, H.W., Ozker, M.S., Carter, M.W. *(editor)* Nuclear power waste technology 9—54568
Mogi, K. *see* Yamazaki, A. 9—89664
Mogilevskii, B.M., Sokolov, V.N. Vapor-liquid energy transport in a porous medium 9—64762
Mogilevskii, M.A., Bordzilovskii, S.A., Gorshkov, N.N. Effect of the width of the front with quasiisentropic compression on the hardening of some metals 9—100209
Mogilinii, V.V. *see* Zyatkov, I.P. 9—56861
Mogilnikov, K.P. *see* Gritsenko, V.A. 9—56320
Moglewer, S. The application of game theory for the interpretation of inventory differences (ID) [nuclear materials management] 9—85744
Mogro-Campero, A. *see* Fleischer, R.L. 9—53574, 9—74893
Mogul, J. Metallographic characterization of fatigue failure origin areas 9—61835
Mogutnov, B.M. *see* Itkin, V.P. 9—52514
Mogutnov, B.M. *see* Shaposhnikov, N.G. 9—100145
Mogutova, T.V. *see* Kornilova, Z.I. 9—52302
Moh Zhang Heh-jeong *see* Heh-jeong Moh Zhang
Mohabey, V.K. *see* Chandra, S. 9—82380
Mohabir, S., Nagi, A.D.S. Generalized McMillan tunneling model of the superconducting proximity effect 9—73639
Mohabir, S., Nagi, A.D.S. McMillan tunneling model of the superconducting proximity effect. Specific heat jump 9—87201
Mohamad, I.J., Lambson, E.F., Miller, A.J., Saunders, G.A. A threshold electric field for acoustic emission from ferroelectric $Pb_5Ge_3O_{11}$ 9—60874
Mohamed, E.J. *see* Gomaa, M.A. 9—63819
Mohamed, F.A. Creep behavior of solid solution alloys 9—57058
Mohamed, F.A. Modification of the Burke-Nix ductility expression 9—60426
Mohamed, H.A. Thermal conversion efficiency of an ideal thermoelastic marmem cycle 9—66057
Mohamed, J. *see* Coleman, J.P. 9—63062
Mohamed, J.L. Numerical solution of $Y'' = F(X,Y)$ with particular reference to the radial Schrodinger equation 9—67191
Mohamed, K.A., King, G.C. Measured lifetimes of excited levels in krypton II, xenon II and molecular hydrogen by the photon-photon delayed-coincidence technique 9—89640
Mohamed, M.A., Al-Shamlan, A.A. Organic matter content in Kuwait Bay sediments as an index of pollution 9—62154
Mohamed Salah Khalgui *see* Charbonnel, J.-Y. 9—53959
Mohammad, S.N. Improved interaction potential for alkali halide molecules 9—86024
Mohammad, S.Noor *see* Noor Mohammad, S.
Mohammadi, M.A., Brooks, W.V.F. The microwave spectrum and conformation of bromomethyl cyclopropane 9—98075
Mohammadi, M.A., Brooks, W.V.F. The microwave spectrum and conformations of halomethyl oxiranes bromomethyl oxiranes 9—98076
Mohammed Ali Sadeghi *see* Tenu, R. 9—96004
Mohammed Ayub, F.M., Das, P. Two dimensional image scanning of movies using surface acousto-optic interaction 9—94352
Mohan, A.L.Shashi *see* Shashi Mohan, A.L.
Mohan, B., Goel, T.C., Chopra, K.L. Vacuum furnace for laboratory applications 9—71454
Mohan, B. *see* Gupta, R.K. 9—100901
Mohan, D., Choudhury, N.K.D., Kaila, S.K., Ganguly, R., Puri, J.S. Water and space heating by solar energy 9—62140
Mohan, D. *see* Mehta, P.C. 9—81387
Mohan, K., James, R.H. High accuracy laser power measurements: a scale comparison 9—76729
Mohan, L.R.Ram *see* Ram Mohan, L.R.
Mohan, M., Buti, B. Modulated ion acoustic waves in inhomogeneous plasmas 9—86576
Mohan, M., Chand, P. Laser induced vibrational excitations in a diatomic molecule during molecular collisions 9—98205
Mohan, N.L. *see* Bhimasankaram, V.L.S. 9—58106
Mohan, R., Antich, P.P. A method of correlation for curvature and inhomogeneities in computer aided calculation of external beam radiation dose distributions 9—62364
Mohan, R. *see* Holt, J.G. 9—100734
Mohan, S. Molecular vibrations of iodine heptafluoride and rhenium heptafluoride molecules 9—93966
Mohan, S. Normal coordinate treatment and molecular constants of some tetrahedral XY_4 ions 9—93968
Mohan, S. *see* Gir, R. 9—66820
Mohan, S. *see* Goel, A. 9—51221
Mohan, S. *see* Naidu, B.S. 9—78229
Mohan, S.N. New determination of far-side lunar radii form Apollo photography 9—66934
Mohan Murali, N. Maintenance training programmes in medical electronics 9—96681
Mohan Rao, C.Rama *see* Rama Mohan Rao, C.
Mohan Rao, M.N., Tandel, C.B. Positive ion density measurements by rocket-borne Gerdien condenser in the height range 23-39.5 km 9—84378
Mohan Rao, V.Rama *see* Rama Mohan Rao, V.
Mohan Singh, B., Dhaliwal, R.S. Propagation of SH waves in laterally and vertically heterogeneous media due to a line source 9—81800
Mohan Singh, B. *see* Dhaliwal, R.S. 9—50666
Mohana Shankar, P., Gupta, M.H. [Optical] information retrieval in the presence of speckle and quantum noise 9—76606
Mohandes, A., Knudsen, J.G. Friction factors in noncircular ducts with sharp corners 9—81968
Mohanlal, S.K. An experimental determination of the Debye-Waller factor for iron by neutron diffraction 9—95113
Mohanty, A.K., Asthana, S.B.L. Laminar flow in the entrance region of a smooth pipe 9—50696
Mohanty, B.K. *see* Nayak, N. 9—59666
Mohanty, S. *see* Prasad, B.S.N. 9—88537
Mohanty, S.R., Nath Sharma, K.C. A comparative study of annealing of different damage species in gamma-irradiated sodium nitrate 9—66324
Mohanty, S.S. Service and repair facilities for medical electronic equipment 9—96682
Mohapatra, R.N., Senjanovic, G. Higher-order induced axial-vector isoscalar neutral current in gauge theories 9—63371
Mohapatra, R.N., Senjanovic, G. Soft CP-invariance violation at high temperature 9—75697
Mohapatra, R.N., Sidhu, D.P. Natural relations among neutrino neutral current couplings in gauge theories 9—89095
Mohapatra, S.K., Tiku, S.K., Kroger, F.A. The defect structure of unintentionally doped α-Al_2O_3 crystals. [Impurity level determination] 9—60755
Mohapatra, S.K., Wagner, S. Electrochromism in nickel-doped strontium titanate 9—95732
Mohapatra, S.N., Arenson, H.M. The measurement of peripheral blood flow by the electrical impedance technique 9—70601
Moharam, M.G. *see* Young, L. 9—94190
Moharil, S.V., Deshmukh, B.T. Isothermal decay of colour in microcrystalline powders of potassium halides 9—51975
Moharil, S.V., Deshmukh, B.T. The nature of the defects in NaF:LiF 9—55739
Moharil, S.V., Kamavisdar, V.S., Deshmukh, B.T. Thermoluminescence of Z_1 center in KCl:Ca 9—52029
Moharram, S. *see* Hassan, M.Y.M. 9—71792, 9—85358
Mohindra, I., Held, R., Gwiazda, J., Brill, S. Astigmatism in infants 9—57642
Mohindra, I. *see* Gwiazda, J. 9—53113
Mohindra, R.K. *see* Manocha, K.K. 9—53256
Mohl, D. *see* Bell, M. 9—93413
Mohler, J.G. *see* Butler, J.P. 9—88104
Mohler, M.B. *see* Wineland, D.J. 9—71418
Mohler, R.R. *see* Baheti, R.S. 9—80919
Mohling, W. *see* Kholer, R. 9—86797
Mohling, W. *see* Kies, J. 9—51098
Mohlmann, G.R., De Heer, F.J. Production of Balmer radiation by electron impact (0-2000 eV) on small hydrogen containing molecules 9—76521
Mohr, A.J., Dahlberg, D.A., Dirmhirn, I. Experiences with tests and calibrations of pyranometers for a mesoscale solar-irradiance network 9—74499
Mohr, D. *see* Gillette, J.L. 9—85652
Mohr, D. *see* Singer, R.M. 9—85653
Mohr, F. Polarization performance of single-mode fibers subjected to tensile stress 9—59808
Mohr, P. *see* Morton, W.H. 9—84204
Mohr, R.K. *see* Simmons, J.H. 9—78620, 9—94375
Mohr, W., Lass, J.S. Electron scattering on defects near metal surfaces 9—65534
Mohr, W., Lass, J.S. Anisotropic scattering of conduction electrons on defects in quenched and irradiated Al 9—95397
Mohr, W., Repplinger, W. EMA-excitation of ultrasonic bulk waves with the purpose of application in NDE 9—57195
Mohri, A. *see* Yatsui, K. 9—98929
Mohri, M., Nakamura, K., Watanabe, K., Yamashina, T., Doi, H., Hayakawa, K. Surface characterization of SiC as a first wall material of fusion devices by means of a combined system of AES-IMA 9—74039
Mohri, N. *see* Oshima, Y. 9—52992
Mohri, T. *see* Hausch, G. 9—56502
Mohsni, S.El *see* El Mohsni, S.
Mohwald, H. *see* Heithier, H. 9—100580
Mohyla, I. *see* Marek, J. 9—57422
Moi, L. *see* Allegrini, M. 9—98171
Moi, L. *see* Alzetta, G. 9—93941
Moin, E., Murr, L.E. Interactive effects of shock loading parameters on the substructure and mechanical properties of nickel and stainless steel 9—52360

Moine, P. *see* Bonneau, P. 9—65960
Moinester, M. *see* Dam, S.H. 9—85536
Moinfar, A.A. *see* Ambraseys, N.N. 9—84113, 9—84117
Moir, J. Speaker directivity and sound quality 9—98587
Moir, R.W., Barr, W.L., Carlson, G.A., Dexter, W.L., Doggett, J.N., Fink, J.H., Hamilton, G.W., Lee, J.D., Logan, B.G., Neef, W.S., Peterson, M.A., Rensink, M.E. The tandem mirror reactor 9—71972
Moir, R.W. *see* Carlson, G.A. 9—49857
Moir, R.W. *see* Miley, G.H. 9—76143
Moisan, F. Industrial applications of solar heat 9—100486
Moisan, M., Pantel, R., Hubert, J., Bloyet, E., Leprince, P., Marec, J., Ricard, A. Production and applications of microwave surface wave plasma at atmospheric pressure 9—50868
Moise, J.C., Andrus, S.R., Butler, K.C., Carriker, J.W., Faeser, R.J., Hoffman, L.C., Hellwig, J.W. Thermal and electrical energy converters utilizing fluid controls logic 9—53286
Moiseenko, E.A. *see* Amelin, E.A. 9—67309
Moiseenko, G.S. *see* Lyubovtseva, Yu.S. 9—98285
Moiseenko, V.A. *see* Knysh, V.V. 9—100977
Moiseev, A.A. *see* Voronov, S.A. 9—76267
Moiseev, A.M. *see* Cochet, C. 9—80854
Moiseev, D.P. *see* Gabovich, A.M. 9—65578
Moiseev, S.S. *see* Erokhin, N.S. 9—64293
Moiseev, S.S. *see* Gushchin, V.V. 9—77380
Moiseev, V.A. *see* Mar'in, V.I. 9—68433
Moiseev, V.F. On yield stress of precipitation-strengthened alloys with incoherent particles 9—56990
Moiseeva, I.V., Mordyuk, N.S., Okrainets, P.N., Pishchak, V.K., Selitser, S.I. Influence of ultrasonics on kinetics of ageing in Cu-Be alloy 9—78997
Moiseiwitsch, B.L., Norrington, P.H. The L_1-shell ionisation of atoms by relativistic particles 9—54970
Moisello, U. *see* Fugazza, M. 9—84306
Moiseyev, N., Certain, P.R. Perturbation approach to the complex-rotation method 9—72283
Moiseyev, N., Certain, P.R., Weinhold, F. Complex-coordinate studies of helium autoionizing resonances 9—49992
Moiseyev, N., Weinhold, F. Electron-correlation effects in the positions and widths of two-electron autoionizing resonances 9—89648
Moisil, G.C. The theorem of electrical images for the system film—transition layer-substrate 9—74064
Moisio, T. *see* Suutala, N. 9—61579
Moissidis, P. *see* Karami, H. 9—75789
Moisya, E.G., Menzheres, G.Ya., Lipatov, Yu.S. On variations in the packing character of macromolecules at various distances from a surface of solid body 9—65349
Moizhes, B.Ya., Naumov, V.N., Nemchinskii, V.A. Distortion of the electron distribution in thermionic emission 9—65970
Moizhes, B.Ya. *see* Gryaznov, O.S. 9—56253
Moizhes, L.L. *see* Balbekov, V.I. 9—63829
Mojtabi, A., Caltagirone, J.-P. Energy stability of a natural convective flow in a horizontal annular space 9—68815
Mojtabi, A. *see* Charrier-Mojtabi, M.C. 9—81880
Mojzes, I., Sebestyen, T., Barna, P.B., Gergely, G., Szigethy, D. Gallium pulse metal contacts of gallium arsenide alloyed in an arsenic molecular beam 9—95495
Mok, Y. *see* Bornatici, M. 9—98905
Mokeev, Yu.G. *see* Glushchenko, V.G. 9—90308
Mokeeva, V.A. *see* Kjuntsel, I.A. 9—78564
Mokhin-Blinov, O.V. *see* Serebov, V.N. 9—64945
Mokhnach, A.V. *see* Zaika, N.I. 9—67800
Mokhnachev, V.G. *see* Konopel'chenko, B.G. 9—92991
Mokhov, B.N. *see* Goman'kov, V.I. 9—91231, 9—99699
Mokhov, I.I. The response of simplest energy-balance climate model on change of its parameters 9—100938
Mokhov, N.V. *see* Askariyan, G.A. 9—85862
Mokhova, Ye.N. *see* Zhigacheva, I.V. 9—62196
Mokhovaya, T.G. *see* Stafeev, V.I. 9—51664
Mokhtarzadeh, M.R., EL-Shirbini, A.A. Motion of bubbles and bubble-droplets in an immiscible liquid 9—72931
Mokhun', I.I., Mustafin, K.S., Protasevich, V.I. Optical realisation of a scale-invariant transformation 9—94183
Mokhun', I.I. *see* Kukarov, G.V. 9—94189
Mokievskii, V.A. *see* Lyubalin, M.D. 9—69976
Mokin, Yu.I. The conditions for convergence of a particle in cell method 9—76567
Mokler, P.H. *see* Meyerhof, W.E. 9—49978
Mokra, I.R., Bodak, O.I. Crystal structure of the CeScSi compound 9—51064
Mokritskii, V.A. *see* Vas'kova, N.A. 9—86793
Mokross, F., Buttner, H. The exciton-neutral donor and biexciton complexes in polar semiconductors 9—90968
Mokrov, A.B. *see* Ganichev, D.A. 9—69964
Mokrov, A.P., Akimov, V.K., Zakharov, P.N. Isothermal diffusion in Fe-Cr-Ni system 9—69300
Mokrov, A.P. *see* Golubev, V.G. 9—90815
Mol, C.De *see* De Mol, C.
Mol, J.C. *see* Roosmalen, A.J. 9—87884
Mola, M. Solar absorbers for building means 9—96484
Molchanov, A.G. *see* Voitik, M.G. 9—64865
Molchanov, A.P. *see* Babkina, L.N. 9—57667
Molchanov, V.A. *see* Balashova, L.L. 9—69172
Molchanov, V.A. *see* Brusilovskii, B.A. 9—65966
Molchanov, V.A. *see* Brusilovsky, B.A. 9—52066
Molchanov, V.A. *see* Mashkova, E.S. 9—87551
Molchanov, V.F. Reduction of representations of the complementary series of the 2+3 de Sitter group with respect to the Lorentz group 9—89080
Molchanov, V.N., Kazanskii, L.P., Rochenkova, E.A., Simonov, V.I. Crystal structure of $[K_{16}Ce(P_2W_{17}O_{61})_2].nH_2O$ (n=50) 9—94984
Molchanov, V.S. *see* Tikhonova, Z.I. 9—76777
Molchanova, L.I. *see* Gribanova, E.V. 9—65292
Molcik, M. Production of ZrO_2 foils for the TEM 9—74087
Moldenhauer, K. *see* Brennecke, R. 9—70624
Molder, S. Particular conditions for the termination of regular reflection of shock waves 9—81910
Moldoveanu, T. *see* Fuchs, K. 9—84172
Moldover, M.R., Sengers, J.V., Gammon, R.W., Hocken, R.J. Gravity effects in fluids near the gas-liquid critical point 9—58667
Moldover, M.R. *see* Sengers, J.V. 9—67278
Mole, L.A., Andrews, F.A. An array optimization technique 9—64405
Mole, R.H., Rossi, H.H., Mays, C.W. RBE for carcinogenesis by fission neutrons 9—70588
Molea, M. Constant slope timing for nuclear semiconductor detectors 9—76305
Molea, M. A time coder 9—76309
Moleman, A.C. *see* Mattens, W.C.M. 9—51743
Molen, H.D.Berrling-Van der *see* Berrling-Van der Molen, H.D.
Molenat, J. *see* Abachi, H. 9—67311
Moles, M. *see* Gueret, P. 9—49033
Molesini, G. *see* Arecchi, F.T. 9—64366
Molho, N. *see* Ferrero, A.M. 9—49630
Molin, Yu.N. *see* Podoplelov, A.V. 9—59604
Molin, Yu.N. *see* Vainer, L.M. 9—52631
Molin Ge *see* Ge Molin
Molina, A. *see* Lapiedra, R. 9—88817, 9—88818
Molina, L.T., Sodeau, J.R., Lee, E.K.C., Tang, K.Y. Electronic and vibrational relaxation studied by photoluminescence spectroscopy in low temperature matrices. II. A^1A_2 state of formaldehydes (H_2CO, HDCO, and D_2CO) 9—50070
Molina, M.J. Atmospheric chemistry of chlorofluorocarbons 9—53498
Molinari, A. Thermoelastodynamics: a half space subjected to a heat flux step 9—90130
Molinari, C., Joud, J.C., Desre, P. Introduction of the concept of partial thermodynamic elastic energy in the analysis of surface segregation of solid binary alloys 9—77884
Molinari, E. *see* Cramarossa, F. 9—64934
Molinari, G., Viviani, A. Preliminary results of computer simulation of d.c. conduction due to impurity particles in a dielectric liquid and comparison with experimental data 9—91060
Molinari, G., Viviani, A. Analysis of the charge exchange mechanism between impurities and electrodes in a dielectric liquid 9—91356
Molinari, G. *see* Delfino, B. 9—91357
Molinari, R.L., Festa, J.F., Behringer, D.W. The circulation in the Gulf of Mexico derived from estimated dynamic height fields 9—78554
Molinari, V.G. *see* Boffi, V.C. 9—97324, 9—97325
Moline, A. *see* Mechtersheimer, G. 9—93666
Molinelli, E. Isohaline thermoclines in the southeast Pacific Ocean 9—79865
Molinie, P. *see* Chang, A.T. 9—65504
Molinier, J. *see* Mekasut, L. 9—77218
Molishever, E.L. *see* Garren, A.A. 9—72068
Mollenauer, L.F., Bloom, D.M. Color-center laser generates picosecond pulses and several watts CW over the 1.24-1.45-μm range 9—89925
Mollenauer, L.F. *see* Bloom, D.M. 9—94358
Mollenbeck, J. *see* Bechtold, V. 9—68012
Mollenbeck, J. *see* Kneis, W. 9—54709
Mollenhoff, C. Narrow band photography of NGC 5128 9—92854
Mollenstedt, G. *see* Lichte, H. 9—93260
Moller, H. Multidimensional audio 9—64458
Moller, H.B. *see* Riste, T. 9—50990
Moller, H.J. Statistics of kink formation on dissociated dislocations 9—82207
Moller, H.J., Ewaldt, H. Dislocation motion near a surface 9—82219
Moller, H.-J. Line tension induced dislocation motion at a surface of germanium and silicon 9—82212
Moller, K. S-matrix pole trajectories in the ^{3}N-system 9—67679
Moller, K. *see* Belyaev, V.B. 9—75749
Moller, R., Weinberg, D., Trippe, G., Tschoke, H. Experiments on the fluid dynamics and thermodynamics of rod bundles to verify and support the design of SNR-300 fuel elements—Status and open problems 9—97794
Moller, R. *see* Albrow, M.G. 9—75805
Moller, W. *see* Horig, W. 9—65896
Moller, W. *see* Riede, V. 9—82974
Mollet, W. *see* Biel, J. 9—89309
Mollo-Christensen, E., Mascarenhas, A.S., Jr. Heat storage in the oceanic upper mixed layer inferred from Landsat data 9—100869
Mollon, J.D., Polden, P.G. Post-receptoral adaptation 9—79548
Mollon, J.D. *see* Pugh, E.N., Jr. 9—62259
Mollymoto, H. *see* Adachi, K. 9—91253
Mol'nar, A.A. *see* Petrov, V.V. 9—70530
Molnar, P. Earthquake recurrence intervals and plate tectonics 9—92490
Molnar, S.von *see* von Molnar, S.
Molochev, V.I. *see* Velichanskii, V.L. 9—68396
Molochnikov, B.I. *see* Zabudskii, I.P. 9—71513
Molodenskiy, M.S. Frequencies of natural vibrations of the Earth with the ocean 9—62449
Molodetskii, A.L. An electrical contact tip for magnetic inspection 9—66248
Molodov, A.I., Markos'yan, G.N., Lyakh, L.I., Losev, V.V. Determination with the rotating disk-ring electrode of the mechanism of Cu^+ ion formation during contact of copper with aqueous solutions containing Cu^{2+} ions 9—61872
Molodyan, I.P. *see* Gerasimenko, V.V. 9—93199
Molofeev, V.M. *see* Izvekova, V.A. 9—75233
Molokhia, N. *see* Tawfik, A. 9—91390
Moloney, J.V., Faisal, F.H.M. Possibility of directly observing Autler-Townes power splitting of certain rotational lines with an intense IR laser 9—54854
Moloney, J.V., Faisal, F.H.M. Computation of multiphoton IR spectra of small molecules: application to CO 9—89660
Molotilov, B.V. *see* Baraz, A.R. 9—66108
Molotilov, B.V. *see* Borodkina, M.M. 9—79006
Molotilov, B.V. *see* Glezer, A.M. 9—91762
Molotilov, B.V. *see* Prokoshin, A.F. 9—78441
Molotkov, S.N. *see* Kopa'ev, Y.V. 9—95544
Molt, K. *see* Burger, H. 9—76431
Molvig, K., Hirshman, S.P., Whitson, J.C. Finite-β, universal-mode turbulence and Alcator scaling 9—90408
Molzen, W.W., Broers, A.N., Cuomo, J.J., Harper, J.M.E., Laibowitz, R.B. Materials and techniques used in nanostructure fabrication 9—75657
Momeni, M.H. Competitive radiation-induced carcinogenesis: an analysis of data from beagle dogs exposed to ^{226}Ra and ^{90}Sr 9—66487
Momeni, M.H. *see* Yuan, Y.C. 9—85827
Momirlan, M. *see* Cismaru, D. 9—61794
Mommsen, H. *see* Hartwig, S. 9—49621
Momo, F. *see* Giordano, M. 9—80653
Momoh, S.K. An eddy-viscosity approach to the calculation of velocity and heat-transfer properties of flow in rough pipes 9—60065
Momota, H. Lower hybrid resonance heating 9—98931
Momota, H., Fukuyama, A., Tokiguka, T. Formation of high energy tail of ions associated with lower hybrid heating 9—98940
Momota, H. *see* Abe, H. 9—90402
Mon, K.K., Ashcroft, N.W., Chester, G.V. Core polarization and the structure of simple metals 9—77492
Mon-Chao Chen, Firestone, R.F. Quenching of the lowest-lying metastable excimer of argon by N_2 and effects of 'three-body' Ar(1s) quenching on the yield of $Ar_2(^3\Sigma_u^+)$ 9—54940
Monaca, A.La *see* La Monaca, A.
Monacelli, P. *see* Esposito, B. 9—63489
Monacelli, P. *see* Jonker, M. 9—93399
Monachesi, P., Kronmuller, H. Effect of lattice deformations on the local, magnetic dipole field of interstitial sites in h.c.p. crystals 9—95699
Monaco, A., Valette, J.N., Hoffert, M., Picot, P. Heritage and neoformation in volcanic and hydrothermal sediments surrounding Vulcano Island 9—62482
Monaco, R. Time-evolution of spherical droplets in vapour environment: a physical-mathematical model 9—68789
Monaco, R. *see* Bellomo, N. 9—64739
Monaghan, J.J. *see* Gingold, R.A. 9—71016, 9—75202
Monahan, E. *see* Primak, W. 9—71509
Monahan, J.E., Holt, R.J., Laszewski, R.M. Scattering-matrix elements for nuclear reactions involving photons 9—89293
Monahan, J.E. *see* Elwyn, A.J. 9—67758
Monahan, M.J. *see* Miller, T.G. 9—89915
Monakhov, A.A. *see* Belyaev, Yu.N. 9—81969
Monaro, S. *see* Desaulniers, G. 9—100556
Monaselidze, D.R., Chanchalashvili, Z.I., Madzhagaladze, G.V. Cooperative character of the process of denaturing of tissues and cell nuclei 9—57593
Monaster, F.M.De *see* De Monaster, F.M.
Monastirskii, E.Ya. *see* Zorii, V.I. 9—49228
Monastyrskii, M.A. Influence functions in the optimization of a cathode electron-optical system 9—76575
Monastyrskii, M.I. *see* Zamolodchikov, A.B. 9—95558

Monastyrskiy, M.A., Kulikov, Yu.V. Theory of third-order aberrations of cathode lenses. Chromatic aberrations 9—81352
Monastyrsky, M.I. *see* Golo, V.L. 9—55991, 9—55992
Monberg, E.M. *see* Ahlgren, D.C. 9—78010
Monceau, P. *see* Haen, P. 9—60811
Monceau, P. *see* Meerschaut, A. 9—51086
Monchalin, J.-P. *see* Bertrand, L. 9—72591
Monchick, L. On the theory of chemically induced electron polarization (CIDEP). II. Potential forced diffusion 9—72339
Monchick, L. Differential scattering of polarized molecules: computations for He+CO 9—89733
Moncorge, R., Boulon, G., Denis, J.-P. Fluorescence properties of bismuth-doped $LaPo_4$ 9—52002
Moncrief, V. Gribov degeneracies: Coulomb gauge conditions and initial value constraints 9—58864
Moncrief, V. *see* Cunningham, C.T. 9—75228
Moncrieff, D.A., Barker, P.R., Robinson, V.N.E. Electron scattering by gas in the scanning electron microscope 9—49342
Moncrieff, M.W. Theoretical modelling of cumulonimbus convection 9—84405
Moncton, D.E. Neutron scattering observations on the magnetic phases of rare-earth ternary superconductors 9—73680
Moncton, D.E. *see* Majkrzak, C.F. 9—99685
Moncton, D.E. *see* Thomlinson, W. 9—78320
Mondal, P.K., Rao, K.P., Dev Rayalu, Ch.A. Encircled energy in the diffraction pattern of circular apertures with parabolic filters 9—89845
Mondal, P.K. *see* Vishvanatham, S. 9—59645, 9—94168
Mondal, P.K. *see* Visvanatham, S. 9—55067
Monden, Y. *see* Kobayashi, S. 9—73511
Mondino, P.L. *see* Maschio, A. 9—55533
Mondio, G. *see* Giorgianni, U. 9—73972
Mondon, M.C. *see* Destrade, C. 9—86681
Mondt, J.C. *see* Doornbos, D.J. 9—53312, 9—53313
Monemar, B. *see* Lagerstedt, O. 9—73153
Monet, D.G. Detection of low eccentricity orbits: an analysis of nine massive spectroscopic binaries 9—67060
Monet, D.G. Detection of precession in spectroscopic binary systems 9—67062
Monet, D.G. *see* Cudworth, K.M. 9—75252
Moneti, G.C. *see* Kourkoumelis, C. 9—85347
Monfort, J.P., Perez, J.L. Henry's constants of normal mixtures calculated with a modified Pierotti theory using temperature-dependent hard core diameters 9—51259
Monga, M.R., Jindal, V.K., Pathak, K.N. Self-energy of phonons in an anharmonic crystal of order λ^4. III. Approximate numerical results for ionic crystals 9—55843
Mongeau, B. *see* Gagne, J.M. 9—59402
Mongeau, B. *see* Gagne, J.-M. 9—82107
Mongeau, D. *see* Asano, M. 9—94001
Mongelli, F. *see* Loddo, M. 9—70769
Monger, J.W.H. Evolution of the Cordillera 9—62475
Monger, T.G., Alfano, R.R., Callender, R.H. Photochemistry of rhodopsin and isorhodopsin investigated on a picosecond time scale 9—83706
Monges, J. *see* Singh, S.K. 9—84074
Monget, J.M. *see* Albuisson, M. 9—62422
Mongillo, M. *see* Landman, D.A. 9—71011
Monich, E.A. *see* Monich, V.A. 9—54746
Monich, E.A. *see* Vasil'chenko, V.G. 9—93869
Monich, V.A., Monich, E.A., Rykalin, V.I. Amplification of an ionization signal in xenon by optical pumping in an electric field 9—54746
Monier, J.C. *see* Labbe, P. 9—73141
Monig, F.J., Stober, W., Flachsbart, H., Schwarzer, N. Measurement of mass distribution of aerosols with a centrifuge fitted with quartz oscillators as mass detectors 9—92004
Monin, A.S. *see* Keondzhyan, V.P. 9—79719
Moniz, E.J. Pion-nucleus interactions 9—80960
Moniz, E.J. Pions and isobars in nuclei—an overview 9—85373
Moniz, E.J. *see* Dubach, J.F. 9—94113
Moniz, E.J. *see* Hirata, M. 9—85350
Moniz, E.J. *see* Koch, J.H. 9—89290
Moniz, W.B. *see* Bertrand, R.D. 9—78537
Monk, G.W., Thompson, G.R. Ion beam etching equipment for production of bubble memory devices 9—78487
Monkewitz, P.A. The linearized treatment of general forced gas oscillations in tubes 9—50744
Monkewitz, P.A. *see* Rott, N. 9—98808
Monkhorst, H.J., Pack, J.D. The high-temperature resistivity of beryllium 9—51551
Monkhorst, H.J., Pack, J.D., Freeman, D.L. On the X-ray scattering factors of metallic and molecular hydrogen crystals 9—60219
Monkhorst, H.J. *see* Pack, J.D. 9—60698
Monkhouse, P.B., Bayes, K.D., Clyne, M.A.A. Energy transfer in the collision of metastable excited Ar^3P_2 atoms with ground state H^2S atoms 9—64085
Mon'kin, V.D., Ukhov, V.F., Vatolin, N.A., Gel'chinskii, B.R. Electrical resistance of Au-Sn, Au-Bi, Au-Ga and Au-Ni alloys in solid and liquid states 9—51549
Mon'ko, G.G. *see* Kvasnevskii, O.G. 9—66128
Monkos, K. *see* Kluk, E. 9—86660, 9—86661
Monkowski, J. Role of chlorine in silicon oxidation. I 9—100278
Monley, C. *see* Abrams, S.G. 9—88113
Monma, M. *see* Yamada, K. 9—81457
Monnand, E. *see* Schussler, F. 9—59039
Monnaye, B. *see* Hubin, M. 9—87021
Monnerie, L. *see* Froelich, B. 9—73258
Monnerie, L. *see* Geny, F. 9—86098, 9—86099, 9—86721
Monnerie, L. *see* Grochalski, B. 9—52756
Monnerie, L. *see* Halary, J.L. 9—96361
Monnerie, L. *see* Lang, M.-C. 9—94863
Monnerie, L. *see* Laupretre, F. 9—99066
Monnier, R. *see* Cole, L. 9—56114
Monod, P. Conduction electron spin resonance in palladium 9—65734
Monod, P., Beuneu, F. Conduction-electron spin flip by phonons in metals: analysis of experimental data 9—61219
Monod, P., Prejean, J.J. Observation of magnetization reversal and macroscopic magnetic domains in Cu-Mn spin glass 9—61168
Monod, P. *see* Silsbee, R.H. 9—78521
Monoszon, N.A. *see* Balbekov, V.I. 9—63829
Monoszon, N.A. *see* Baldin, A.M. 9—72125
Monoszon, N.A. *see* Velikhov, E.P. 9—71954, 9—76122
Monozon, B.S. Exciton absorption in semiconductors with nonspherical bands in crossed fields 9—69432
Monozon, B.S. Modulation of the direction of a magnetic field in optically anisotropic semiconductors 9—73911
Monozon, B.S., Turchinovich, I.E. Antiresonance states of diamagnetic excitons in semiconductors with optically anisotropic energy bands 9—51500
Monpagens, J.C., Lacabanne, C., Chatain, D., Hiltner, A., Baer, E. Thermostimulated creep in amorphous polyolefins. I 9—69185
Monpagens, J.C. *see* Berticat, P. 9—69768
Monpagens, J.C. *see* Lacabanne, C. 9—69186, 9—78613
Monroe, B.M., Mrowca, J.J. Quenching of single oxygen by nickel complexes 9—94028
Monroe, E., Reed, D., Rausch, J. An alumina-acrylic composite bone cement 9—79689
Monroe, J.L. *see* Pearce, P.A. 9—73660
Monroe, M.D. *see* Bornstein, M.H. 9—83780
Mons, J. *see* Cailleau, H. 9—86887
Monsay, E. *see* Babcock, J. 9—49472
Monsay, E. *see* Hidaka, K. 9—49553
Monsler, M., Blink, J., Hovingh, J., Meier, W., Walker, P., Maniscalco, J. Electric power from laser fusion: the HYLIFE concept 9—85772
Monsler, M., Maniscalco, J., Blink, J., Hovingh, J., Meier, W., Walker, P. Electric power from laser fusion: the HYLIFE concept 9—49862
Monsler, M.J., Maniscalco, J.A. Concepts for final optics for laser fusion power plants 9—76136
Monsler, M.J. *see* Maniscalco, J.A. 9—71975
Monson, L.R., McDaniel, M.J., Knox, A.E., Rice, R.E. The EBR-II cover-gas cleanup system 9—97874
Monson, S.J. *see* Kellogg, P.J. 9—70906
Monster, A.Willem *see* Willem Monster, A.
Monster, J., Appel, P.W.U., Thode, H.G., Schidlowski, M., Carmichael, C.M., Bridgwater, D. Sulfur isotope studies in early Archaean sediments for Isua, West Greenland: implications for the antiquity of bacterial sulfate reaction 9—92537
Montagna, M., Pilla, O., Viliani, G. Dynamical Jahn-Teller effect on spin-orbit multiplets: intensity quenching 9—95374
Montague, B.W. Polarized $e^{\pm}$ beams in LEP? 9—63827
Montague, D.C. *see* Baulch, D.L. 9—74344
Montaigne, J.De *see* De Montaigne, J.
Montaine, J.M. *see* Bauer, T.S. 9—54394
Montaldi, E. *see* Girardello, L. 9—58582
Montambaux, G., Lederer, P., Heritier, M. Structure of vacancy induced spin polarons in solid ^3He 9—95244
Montambaux, G. *see* Heritier, M. 9—95228
Montaner, A., Galtier, M., Benoit, C., Bill, H. Optical constants of sodium sulphide 9—73892
Montaner, A. *see* Benoit, C. 9—51557
Montaner, A. *see* Bernier, P. 9—82859
Montanet, L. *see* Gurtu, A. 9—49517
Montano, F., Veccia, S.S.C. Large scale projector with separate movement and optical system 9—75567
Montano, P.A., Talarico, M.A. Magnetic interaction in small iron-copper clusters 9—82895
Montarroyos, E., de Araujo, C.B., Rezende, S.M. Light scattering in a dilute antiferromagnet: $Fe_{1-x}Zn_xF_2$ 9—78666
Montbriand, L.E., Belrose, J.S. Diurnal and seasonal variations of the steady state loss coefficient in the D region 9—75023
Montegu, B., Laugier, A., Barbier, D. Spin-orbit splitting in $Mg_xZn_{1-x}Te$ alloys 9—69479
Monteil, A., Duval, E. Energy migration in ruby and transfer to the N-line traps 9—83006
Monteil, E. *see* Joullie, A. 9—74135
Montel, G. *see* Peytavy, J.L. 9—61802
Montel, G. *see* Peytavy, J.-L. 9—74097
Montella, C. *see* Barral, G. 9—83385
Montemayor, R., Moreno, M. Consequences of the u-d quark mass difference for $\pi^0 \to \gamma\gamma$ and $\pi^+ \to e^+\nu\gamma$ 9—89159
Montenegro, E.C., Baptista, G.B., Leite, C.V.B., De Pinho, A.G., Paschoa, A.S. Study of a proton beam diffusing system for PIXE analysis 9—85848
Montenegro, J. *see* Calvert, J. 9—80225
Montero, I. *see* Albella, J.M. 9—91500
Montes, A., Hubbard, M. Resonance absorption in non-planar plasmas 9—98919
Montes, H. *see* Georges, J.M. 9—79120
Montesano, R. Inhomogeneous distribution of filipin-sterol complexes in smooth muscle cell plasma membrane 9—83720
Montesinos, A. Geometry of spacetime founded on spacelike metric 9—63102
Montgomery, D., Liu, C.S. Nonlinear development of an electromagnetic filamentation instability 9—64852
Montgomery, D., Turner, L., Vahala, G. Most probable states in magnetohydrodynamics 9—60114
Montgomery, D.B. The generation of continuous fields: future prospects 9—71493
Montgomery, D.B. *see* Cohn, D.R. 9—71965
Montgomery, D.S., Walker, M.B. Theory of Larmor waves 9—69397
Montgomery, G.P., Jr. Off-state transmission of a twisted nematic liquid-crystal layer. Some comments 9—82948
Montgomery, H.E. *see* Bailey, J. 9—59053
Montgomery, J.A., Dykstra, C.E. The equilibrium structure and rotational constant of HCC^+ 9—98003
Montgomery, J.A., Jr., Chandler, D., Berne, B.J. Trajectory analysis of a kinetic theory for isomerization dynamics in condensed phases 9—66273
Month, M. *see* Courant, E.D. 9—72091
Month, M. *see* Herrera, J.C. 9—72112
Montheillet, F., Haudin, J.M. Coherent precipitation near dislocations. A theoretical analysis 9—95016
Monti, A.M., Savino, E.J. Frenkel pair stability in a hexagonal close packed lattice 9—60353
Monti, A.M. *see* Tome, C.N. 9—65071
Monti, P. *see* Bertoluzza, A. 9—63994
Monticello, D.A. Kink and tearing modes in Tokamaks 9—98910
Montigny, R. *see* Delhalle, J. 9—89819
Montilla, J., Hernandez, R., Garcia, M. Determining the inclination of a diffusing surface with regard to viewing direction by speckle photography 9—85117
Montmerle, T. On gamma-ray sources supernova remnants, OB associations, and the origin of cosmic rays 9—92887
Montor, K., Afdahl, D. Instrumentation for brain-wave signal processing 9—83743
Montorsi, M. *see* Appendino, P. 9—77570
Montreer, J.P.Le *see* Le Montreer, J.P.
Montret, J.C. *see* Courau, A. 9—67529
Montrose, C.J. *see* An, S.C. 9—69851
Montry, G.R. *see* Powers, L.V. 9—55460
Monts, D.L., Soep, B., Zare, R.N. Rotational analysis of NO_2 6125-Å region 9—98146
Montvay, I. Where are the jets? 9—71727
Montwill, A. *see* Angelini, C. 9—67548
Montwill, A. *see* Read, A.L. 9—49510
Monura, S. *see* Imai, H. 9—51420
Monzyk, M.A., Troutner, D.E. Fractional independent yields of ^{139}Ba and ^{142}La from thermal-neutron-induced fission of ^{249}Cf 9—89337
Moo Bin Yim, Massey, W.E. Variational calculation of ground-state properties of a binary boson system: Properties of dilute mixtures of ^3He atoms in superfluid ^4He 9—73372
Moodie, J. Weyl's m-coefficient in a B*-algebra 9—63374
Moodithaya, K.P.L. *see* Madhusudana, N.V. 9—55658
Moody, D.B. Partial masking in the monkey: effect of masker bandwidth and masker band spacing 9—88085
Moody, D.B. *see* Petersen, M.R. 9—62268
Moody, D.B. *see* Zoloth, S.R. 9—79563
Moody, D.E., Huq, M. The low temperature specific heats of transition metal alloys 9—61155
Moody, M.V. *see* Gerdt, D.W. 9—85138
Moody, S. *see* Bender, P.L. 9—79723
Moody, S.E., Levine, J. Design of an extended-range, three-wavelength distance-measuring instrument 9—80053
Mooibroek, J. *see* De Voigt, M.J.A. 9—75903
Mooij, J.E. *see* Beasley, M.R. 9—56457
Mooij, J.E. *see* Klapwijk, T.M. 9—56451
Mook, D. *see* Williams, G. 9—101222
Mook, G.A., Stevens, P.F., de Villeneuve, V.H. The automated catheterization system (ACS) 9—70694
Mook, H.A., Penney, T., Holtzberg, F., Shafer, M.W. Magnetic excitations in the intermediate valence system $Sm_{0.75}Y_{0.25}S$ 9—60771
Mook, R. Minimum precipitable water in the atmosphere above Skibotn, Northern Norway 9—92572
Mook, W.G. *see* de Jong, A.F.M. 9—74952

Mook, W.G. *see* Tans, P.P. 9—96801
Mookerjee, A. *see* Srivastava, V. 9—69473
Moolenaar, W.H., de Laat, S.W., van der Saag, P.T. Serum triggers a sequence of rapid ionic conductance changes in quiescent neuroblastoma cells 9—74612
Mooley, D.A. Major climatological discontinuities in the monthly monsoon activity in the neighbourhood of the Western Ghats 9—96790
Moolye, D.A. *see* Bavadekar, S.N. 9—79990
Moon, F.C. Experiments on magnetoelastic buckling in a superconducting torus 9—64549
Moon, F.C. Buckling of a superconducting ring in a toroidal magnetic field 9—64550
Moon, H. Effects of anisotropy on ultrasonic cyclotron resonance 9—73816
Moon, H.T. *see* Findakly, T. 9—64332
Moon, I.H., Lee, J.S. Activated sintering of tungsten-copper contact materials 9—95967
Moon, J.R. *see* Leheup, E.R. 9—66175
Moon, J.R. *see* Vagramyan, T. 9—57242
Moon, K.A. *see* Kant, A. 9—91925
Moon, M. *see* Armstrong, D.A. 9—83996
Moon, M.E., Clarke, A.M., Ruffolo, J.J., Jr., Mueller, H.A., Ham, W.T., Jr. Visual performance in the rhesus monkey after exposure to blue light 9—53114
Moon, P.S. *see* Chung Woo Ha 9—54742
Moon, R.M. Polarized neutron diffractoin in high magnetic fields 9—73684
Moon, R.M., Koehler, W.C. Induced magnetic form factor of $Ce_{0.736}Th_{0.264}$ 9—78307
Moon, R.M., Koehler, W.C., Sinha, S.K., Stassis, C., Kline, G.R. Does the 'triple-q' magnetic structure exist in neodymium? 9—73686
Moon, R.M. *see* Koehler, W.C. 9—78318
Moon, R.M. *see* Stassis, C. 9—78308
Moon, S.H. *see* Vannice, M.A. 9—80683
Moon Il Kim, Ki Chan Jun The effect of microstructure on the temper brittleness in Ni-Cr steel 9—70092
Moon Whang-Ho *see* Whang-Ho Moon
Mooney, P.M. Electronics for everyone 9—71197
Mooney, R.D. GABA and the lateral spread of tonic activity in frog retina 9—74661
Mooney, W.D. *see* Pennington, W.D. 9—62448
Moor, G.De *see* De Moor, G.
Moor, H. *see* Kubler, O. 9—62205
Mooradian, A. Tunable infrared lasers 9—98376
Mooradian, G.C. Atmospheric, space and underwater optical communications for naval applications 9—86133
Moorcroft, D.R. Dependence of radio aurora at 398 MHz on electron density and electric field 9—66854
Moore, A. *see* Key, M.H. 9—68937
Moore, A. *see* Vardiman, L. 9—84391
Moore, B.C. Molecular wake shields of various shapes 9—88966
Moore, B.C., Walker, J.A. Tracer slug leak detection 9—80627
Moore, B.C.J. By-passing the deaf ear 9—79561
Moore, C. *see* Clark, A.R. 9—75779
Moore, C.B. *see* Hai-Lung Dai 9—100414
Moore, C.B. *see* Harris, S.J. 9—68266
Moore, C.B. *see* Weisshaar, J.C. 9—72346
Moore, C.Bradley *see* Bradley Moore, C.
Moore, C.D. *see* Cline, D.B. 9—68004
Moore, C.D. *see* Gannon, J.C. 9—72139
Moore, C.F. *see* Blanpied, G.S. 9—85518
Moore, C.F. *see* Bolger, J.E. 9—54115
Moore, C.F. *see* Davis, J. 9—93662
Moore, C.F. *see* Kallne, J. 9—85521
Moore, C.F. *see* Morris, C.L. 9—93505
Moore, C.Fred *see* Fred Moore, C.
Moore, C.J. Measurement of radial and circumferential modes in annular and circular fan ducts 9—68529
Moore, C.R., Clauss, R.C. A reflected-wave ruby maser with K-band tuning range and large instantaneous bandwidth 9—50275
Moore, D.F., Beasley, M.R., Rowell, J.M. The tunneling density of states of superconductive Nb-Sn 9—65618
Moore, D.J. *see* Dickey, F.M. 9—76599
Moore, D.R. *see* Jones, C.A. 9—77093
Moore, D.S., Wright, J.C. Evidence for cluster control of the defect equilibria in fluorite structure crystals 9—99231
Moore, D.T. *see* Boyd, R.W. 9—76579
Moore, D.T. *see* Johnson, G.W. 9—58775
Moore, D.W. *see* Anderson, D.L.T. 9—88357
Moore, D.W. *see* Hocking, L.M. 9—50734
Moore, F.K., Ristorcelli, J.R., Jr. Turbulent flow and pressure losses behind oblique high-drag heat exchangers 9—94710
Moore, G. *see* Ramaker, D.E. 9—83067
Moore, G.S.M., Rose, H.E. Thermal effects of contamination, adsorbed water and annealing on the DTA of powdered quartz 9—100161
Moore, G.T. *see* Al-Abawi, H. 9—94204
Moore, G.T. *see* Meystre, P. 9—55105
Moore, I.B. *see* Cottingame, W.B. 9—85535
Moore, I.B. *see* Morris, C.L. 9—93505
Moore, J. Future plans for the design and construction of fast reactor power stations. Review of national papers SM-225/81-87 9—97797
Moore, J. Past and present role of fast breeder reactors in the United Kingdom 9—97894
Moore, J., Vaughan, R.D. Fast reactors. Today's best bet? 9—63715
Moore, J.G., Lockwood, J.P. Spreading cracks on pillow lava 9—79780
Moore, J.H. *see* Sato, Y. 9—59558
Moore, M.A. *see* Bray, A.J. 9—56553, 9—78406, 9—82790
Moore, M.L. *see* Murphy, P.H. 9—83905
Moore, P., Kim, C., Weinman, L.S. Topographical characteristics of laser surface melted metals 9—70200
Moore, P. *see* Ambos, H.D. 9—70693
Moore, P.B., Weinstein, E. On the estimation of the locations of subunits within macromolecular aggregates from neutron interference data 9—86716
Moore, P.B. *see* Yagi, T. 9—69050
Moore, R. UHV compatibility of two possible fusion reactor materials: K-ramic^R and ATJ graphite 9—81080
Moore, R.A. *see* Larsen, L.E. 9—88216
Moore, R.B. *see* Bavaria, G. 9—54652
Moore, R.C. An automatic method of real-time wavefront analysis 9—75585
Moore, R.E. *see* Cardellina, J.H.M., II 9—66443
Moore, R.H. Laser based in-process dimension measurement and control 9—80577
Moore, R.K. *see* Onstott, R.G. 9—92544
Moore, R.W. *see* Miller, R.L. 9—98954
Moore, R.Y., Bloom, F.E. Central catecholamine neuron systems: anatomy and physiology of the norepinephrine and epinephrine systems 9—96548
Moore, S.F., McLaughlin, D.B. Design of field experiments to determine the ecological effects of petroleum in intertidal ecosystems 9—66420
Moore, S.M. Can stochastic physics be a complete theory of nature? 9—54000
Moore, S.M. *see* Clark, K.W. 9—70679
Moore, S.M. *see* Mead, C.N. 9—66572, 9—70674, 9—70680
Moore, T.A. *see* Mackenthun, M.L. 9—62192
Moore, W.H. *see* Waterman, F.M. 9—81134
Moore, W.H. *see* Watermann, F.M. 9—59056
Moore, W.S. *see* Gummerson, R.J. 9—98840
Moore, W.S. *see* Reid, D.F. 9—66713
Moores, B.M., Hufton, A.P., Wrigley, C., Asbury, D.L., Ramsden, J.A. A quantitative evaluation of film and film/screen combinations for mammographic examination 9—88151
Moores, B.M. *see* Ramsden, J.A. 9—100741
Moorhead, L.Cope *see* Cope Moorhead, L.
Moorhead, R.D., Poppa, H. In situ oxygen conditioning of (001) MgO thin film substrates for film growth studies by electron microscopy 9—82489
Moorhead, W.G. *see* Flaminio, V. 9—89187
Moorman, J.O. *see* Petersen, T.S. 9—78080
Moortgat, G.K., Warneck, P. CO and H_2 quantum yields in the photodecomposition of formaldehyde in air 9—66311
Moortgat, G.K. *see* Warneck, P. 9—53405
Moorthy, P.N., Karkhanavala, M.D., Kamat, P.V. Direct photoelectrochemical conversion and storage of solar energy 9—62015
Moorthy, P.N., Rao, K.N., Kishore, K. One electron redox potential of thiamine 9—53048
Moorthy, P.N. *see* Kamat, P.V. 9—92084
Moos, H.W., Chen, K.I., Terry, J.L., Fastie, W.G. Construction, calibration, and application of a compact spectrophotometer for EUV (300-2500-Å) plasma diagnostics 9—64904
Moos, H.W. *see* Feldman, P.D. 9—62782
Moos, H.W. *see* Lazar, N.H. 9—55559
Mooy, R. *see* Blommestijn, G.J.F. 9—75994, 9—76003
Mooyman, R. *see* De Leeuw, D.M. 9—50080, 9—54910
Mor, E.D., Beccaria, A.M. Effects of hydrostatic pressure on the corrosion of copper in sea water 9—52420
Mor, E.D. *see* Beccaria, A.M. 9—70209
Mora, P., Pellat, R. Kinetic theory of magnetic field generation in the resonant absorption of light [steady state plasma] 9—73013
Moraal, H. *see* Duckwitz-Peterlein, G. 9—62203
Morabito, D.D. *see* Niell, A.E. 9—79722
Morabito, J.M. *see* Hall, P.M. 9—52053, 9—69927
Morachevskii, N.V. *see* Erokhin, A.I. 9—76762
Moradi-Araghi, A., Schwartz, M. Solvent dependence of vibrational dephasing and reorientational relaxation 9—85968
Moradkhanian, E.N. *see* Nahavandi, A.N. 9—93690
Moraitis, G., Gautier, F. Size effect in dilute alloys of transition metals 9—99508
Moral, A.del *see* del Moral, A.
Moralee, D. Energy from the sea [tidal and wave power] 9—79371
Morales, G.J. Interaction of a low density runaway beam with cavity modes 9—77398
Morales, J., Liang, C.F. Half-life measurements for excited states ^{223}Ra and ^{215}Po by delayed α-γ and γ-γ coincidence techniques 9—97679
Morales, J., Plo, M. Point setting and realization of a typical experiment of γ-γ angular correlations. Measurement of the spin of the 1.33 MeV level of ^{60}Ni 9—89525
Morales, R. *see* Rappaport, S.M. 9—79420
Moran, B.W. An automated gravimetric titrator for the determination of uranium in safeguards materials 9—85609
Moran, J.H., Gianzero, S. Effects of formation anisotropy on resistivity-logging measurements 9—92611
Moran, J.M., Ball, J.A., Predmore, C.R., Lane, A.P., Huguenin, G.R., Reid, M.J., Hansen, S.S. VLBI observations of SiO masers at a wavelength of 7 millimeters in late-type stars 9—92779
Moran, J.M. *see* Genzel, R. 9—92836
Moran, J.M. *see* Spencer, J.H. 9—71037
Moran, P., Hoxey, R.P. A probe for sensing static pressure in two-dimensional flow 9—71403
Moran, P.R. *see* Lasky, J.B. 9—95852
Moran, T.I. *see* Bedding, D.R. 9—86023
Moran, T.J. Assumed-mode modeling for fast reactor core seismic analysis 9—89357
Moran, T.J., Flinn, J.E. Duct dilation experiments in EBR-II 9—93702
Moran, T.J., Yang, C.I. Modeling fluid structure coupling for LMFBR cores 9—89358
Moran, T.J. *see* Elias, C.M. 9—52612
Moran, T.J. *see* McLennan, G.A. 9—89407
Moran-Lopex, J.L., Falicov, L.M. Atomic ordering and ferromagnetism in binary alloys 9—87278
Moran-Lopez, J.L., Falicov, L.M. Spin waves at the surface of dilute ferromagnets 9—61089
Morand, H., Ohayon, R. Substructure variational analysis of the vibration of coupled fluid-structure systems. Finite element results 9—55333
Morand, R. *see* Bourquin, M. 9—71768
Morandi, G. *see* Corbelli, G. 9—56561
Morandi, G. *see* Lo Vecchio, G. 9—51659
Morando, B. *see* Arlot, J.-E. 9—80266
Morantz, D.J. *see* Bilen, C.S. 9—73984
Morariu, V.V., Chifu, A. Nuclear magnetic resonance studies of solvated and adsorbed thallium (I)-205 9—82888
Moras, K. *see* Loschau, W. 9—54242
Moravcsik, M.J. Twenty years of the few-body problem 9—85384
Moravcsik, M.J., Murugesan, P. Citation patterns in scientific revolutions 9—75318
Moravec, T.J., Skogman, R.A., Boord, W.T. Double epitaxy and the growth of polymorphic films of thallium iodide (TlI) on potassium chloride (KCl) 9—77944
Moravie, R.M. *see* Omura, Y. 9—50016
Morawiecki, W. First training course on physical protection—A report [LWR power plants] 9—76077
Morawski, T. *see* Fodemski, T. 9—55638
Morbey, C.L., Fletcher, J.M., Edwards, G. Photoelectric observations of lunar occultations at the DAO 9—75198
Morbey, C.L., Richardson, E.H. Lenses for spectrographs. I. Ordinary glasses 9—97440
Morbey, C.L. *see* Batten, A.H. 9—84825
Morbey, C.L. *see* Bond, H.E. 9—58376
Morbey, C.L. *see* Hans, E.M. 9—53852
Morchio, G. *see* Frohlich, J. 9—80775
Morchio, G. *see* Gatto, R. 9—63407
Morcrette, J.J. *see* Fravalo, C. 9—84402
Morcrette, J.-J. Infrared fluxes in stratiform model clouds 9—84361
Mordashev, V.I. *see* Bukatov, A.E. 9—100856
Mordechai, S., Fortune, H.T., Middleton, R., Stephans, G. ^{72}Ge from the ^{70}Ge(t,p) reaction 9—63594
Mordvintsev, M.Yu. *see* Gavrilov, N.M. 9—62637
Mordyuk, N.S. *see* Moiseeva, I.V. 9—78997
More, C. *see* Blanc, C. 9—71490
More, R.M. Quantum-statistical model for high-density matter 9—55824
More, S.V. The symmetrical free vibrations of a thin elastic plate with initial condition as a generalized function 9—59939
Moreau, J.B., Hashim, R., Neau, J.C. New electrostatic probe for absolute measurement of amplitude of surface acoustic wave 9—50543
Moreau, J.M. *see* Glimois, J.L. 9—65035
Moreau, J.M. *see* Paccard, D. 9—69064
Moreau, J.-M. *see* Le Roy, J. 9—69057
Moreau, R. *see* Alemany, A. 9—90345
Moreau, W.R. A vector perturbation series based upon a representation in a finite Banach space 9—63893
Moreaux, F. *see* Flament, G. 9—77108, 9—86322
Moreh, R. Production of variable energy linearly polarized photon beams 9—76248
Morehouse, C.C. *see* Ferguson, T. 9—63494
Moreira, A.F.Silva *see* Silva Moreira, A.F.
Moreira, F.G.Brady *see* Brady Moreira, F.G.
Moreira, J.E. *see* Melo, F.E.A. 9—73552
Moreira, J.M. *see* Sousa, J.B. 9—51787, 9—61108, 9—78075
Morel, A. The fast gluon in heavy 1^{--} quark-antiquark bound state decays 9—85297
Morel, A. *see* Billoire, A. 9—85261
Morel, B.F. The electric dipole moment of the neutron in the Kobayashi-Maskawa model 9—93417
Morel, J.E. On the validity of the extended transport cross-section correction for low-energy electron transport 9—71843

Morel, J.E., Allen, R.C., Knief, R.A. Particle transport in an anisotropic medium 9—85579
Morel, J.E. *see* Halbleib, J.A. 9—54079
Morel, J.E. *see* McArthur, D.A. 9—49777
Morel, N. *see* Alder, J.-C. 9—85381
Morel, N. *see* Gabioud, B. 9—67600
Morel, N. *see* Strassner, G. 9—89280
Morel, P. Algorithms for a discrete inverse Sturm-Liouville problem 9—49022
Morel, P. Different spectral data for the inverse discrete Sturm-Liouville problem 9—53964
Morel, R., Rey, C., Awad, M., Mathieu, J., Schon, J.P. Structure of the temperature field in the turbulent wake behind an asymmetrically heated plate 9—64664
Morel-Seytoux, H.J. Derivation of equations for variable rainfall infiltration 9—53379
Morel-Seytoux, H.J. *see* Mualem, Y. 9—53386
Morelli, M.A. *see* Marinangeli, A. 9—87866
Morelli, S. *see* Balestri, L. 9—58015
Moren, A.E., Goldstein, J.I. Cooling rates of group IVA iron meteorites determined from a ternary Fe-Ni-P model 9—66964
Morency, D. *see* Harmon, D. 9—56061
Morency, D.G., Soluch, W., Vetelino, J.F., Mittleman, S.D., Harmon, D., Surek, S., Field, J.C. Experimental measurement of the SAW properties of berlinite 9—56056
Moreno, G. *see* Bavassano-Cattaneo, M.B. 9—58211
Moreno, H. *see* Gutierrez-Moreno, A. 9—88647
Moreno, J.M. *see* Mar, S. 9—97439
Moreno, M. An interpretation of the optical absorption spectra of Pb^{3+}:KCL and Zn^{+}:NaCl 9—51993
Moreno, M. *see* Avilez, C. 9—63464
Moreno, M. *see* Montemayor, R. 9—89159
Moreno, P. *see* Chiu, C. 9—76063
Moreno Diaz, R. *see* Delgado Garcia, A. 9—92205
Moreno Gonzalez, A., Schwarz, R. An analysis of fractured zones 9—66139
Moreno-Castilla, C. *see* Linares-Solano, A. 9—51396
Moreno-Diaz, R., Rubio, E., Rubio Royo, F. A generalized model for non-linear retinal processing 9—53107
Moreno-Diaz, R., Santana, O. A program framework for experimenting with retinal models 9—53108
Morenzoni, E. *see* Meyerhof, W.E. 9—49978
Moret, J. *see* Johansson, G.B. 9—77563
Moret, J. *see* Philippot, E. 9—69069, 9—99130
Moreton, A. *see* Fry, J.R. 9—54366
Moreton, D.N., Moffat, D.G., Hornby, R.P. Techniques for investigating the yield surface behaviour of pressure-vessel materials 9—61658
Moreton, M.H. *see* Hewson, P.W. 9—58506
Moretti, A., Watson, J.M., Moenich, J.S., Foss, M.H., Khoe, T.K., Colton, E.P., Burke, R.J. A 12.5 MHz heavy ion linac for ion beam fusion 9—76158
Moretti, A. *see* Stacey, W.M., Jr. 9—71967
Moretti, G. The λ-scheme 9—81913
Moretto, L.G. *see* Mathews, G.J. 9—54455
Moretto, L.G. *see* Sobotka, L.G. 9—97726
Morewitz, H.A. *see* Guderjahn, C.A. 9—49700
Morfill, G., Richter, A.K., Scholer, M. Average properties of cosmic ray diffusion in solar wind streams 9—75067
Morfill, G., Roser, S., Tscharnuter, W., Volk, H. The dynamics of dust in a collapsing protostellar cloud and its possible role in planet formation 9—58401
Morfill, G. *see* Volk, H.J. 9—58402
Morfill, G.E., Scholer, M. Cosmic rays in supernova remnants. I. Transport coefficients 9—101033
Morfin, J.G., Pohl, M., Weerts, H., Welch, L.C., Bertrand, D., Bertrand-Coremans, G., Blaes, R., Bullock, F.W., Dewit, M., Escoubes, B., Fett, E., Haatuft, A., Halsteinslid, A., Jones, T.W., Myklebost, K., Olsen, J.M., Petitjean, P., Rahimi, F., Ratoff, P.N., Sacton, J., de Unamuno, S., Vilain, P. An upper limit to the cross section for the reaction $\bar{\nu}_\mu e^- \rightarrow \bar{\nu}_\mu e^-$ at SPS energies 9—71740
Morfis, A. *see* Payne, B.R. 9—53393
Morfitt, J. *see* Nertney, R. 9—85632
Morgan, A.E., Werner, H.W. Molecular versus atomic secondary ion emission and its implications for quantitative analysis 9—61481
Morgan, B.J.T. Four approaches to solving the linear birth-and-death (and similar) processes 9—80400
Morgan, C.B. *see* Daly, R.T. 9—89558
Morgan, C.S., Powell, G.L. Inert-gas intrusion as a characterization procedure for pyrocarbon coatings 9—54512
Morgan, D. *see* Sakhuja, R. 9—62022
Morgan, D.E., Schechter, R.S. The human as a component of a nuclear material safeguard system 9—85741
Morgan, D.H., Nandy, K., Carnochan, D.J. Observations of the Large Magellanic Cloud with the S2/68 ultraviolet sky-survey telescope in the TD-1 satellite 9—71125
Morgan, D.L. *see* Lam, H.S. 9—79499
Morgan, D.V. A simple model of planar dechanneling calculations 9—77661
Morgan, D.V. *see* Mukherjee, S.D. 9—78153, 9—78176
Morgan, D.V. *see* Wood, D.R. 9—73383
Morgan, F.W. *see* Prince, J.L. 9—92083
Morgan, G.J. *see* Brown, D. 9—77975
Morgan, G.J. *see* Duggan, G. 9—99494
Morgan, G.L. Cross sections for the $^{14}N(n,p_0)$, (n,α_0), and (n,α_1) reactions from 0.5 to 15 MeV 9—54437
Morgan, G.L. *see* Olsen, D.K. 9—67751
Morgan, J.F., Blatt, S.L., Ploughe, W.D., Kovash, M.A. L-subshell ionization with high velocity positive ions 9—50122
Morgan, J.G., Eggleton, P.P. The evolutionary status of RS CVn binaries 9—67029
Morgan, J.S. *see* Pilcher, C.B. 9—84742
Morgan, J.W. *see* Takahashi, H. 9—66966
Morgan, K., Hughes, T.G., Taylor, C. The analysis of turbulent, free-shear, and channel flows by the finite element method 9—68808
Morgan, K.Z. How dangerous is low-level radiation? 9—83857
Morgan, K.Z. *see* Sohrabi, M. 9—83942
Morgan, K.Z. *see* Stillwagon, G.B. 9—76310
Morgan, M. *see* Pfister, G. 9—60846
Morgan, M.J. Perception of continuity in stroboscopic motion: a temporal frequency analysis 9—74674
Morgan, P., Swanberg, C.A. Heat flow and the geothermal potential of Egypt 9—74490
Morgan, P. *see* Swanberg, C.A. 9—74876
Morgan, P.A. The Sydney thunderstorms of 10 November 1976 9—79995
Morgan, P.W. High-performance fibres: development and uses 9—83168
Morgan, R. *see* Bogle, A.W. 9—92058
Morgan, R.J., O'Neal, J.E. Modes of deformation and failure of polycarbonate 9—91753
Morgan, R.M. *see* Holmes, J.B. 9—62969
Morgan, R.P. *see* Brenton, A.G. 9—89035
Morgan, R.P. *see* Trott, G.W. 9—88987
Morgan, T.A. *see* Campbell, W.B. 9—67468
Morgan, T.H. *see* De Jager, C. 9—70955
Morgan, T.H. *see* Kondo, Y. 9—70954
Morgan, T.J., Eriksen, F. Formation of metastable hydrogen atoms by charge exchange of fast protons in magnesium and barium vapors 9—81275
Morgan, T.J., Eriksen, F.J. Single- and double-electron capture by 1-100-keV protons in collisions with magnesium and barium atoms 9—68313
Morgan, T.J., Stone, J., Mayo, M., Kurose, J. D^- production by multiple charge-transfer collisions in alkaline-earth-metal vapors 9—89776
Morgan, T.L. Precise observations of minor planets at Sydney Observatory during 1977 9—88618
Morgane, P.J. *see* Bronzino, J.D. 9—83742
Morgante, C.G., Struve, W.S. Emission spectra and lifetimes of $Re_2Cl_8^{2-}$ in CH_3CN and CH_2Cl_2 at 300K 9—59447
Morganti, M. *see* Gaddini, B. 9—72966
Morganti, R. *see* Angelini, C. 9—67548
Morgen, P., Onsgaard, J.H., Tougaard, S. Observation of changes in the electronic density of states at a Si(111) surface during adsorption of oxygen by Auger electron spectroscopy 9—65528
Morgen, P. *see* Onsgaard, J. 9—65299
Morgenstern, J. *see* Balestri, B. 9—75794, 9—85530
Morgenthaler, F.R. Two-dimensional magnetostatic resonances in a thin film disk containing a magnetic bubble 9—78469
Morgenthaler, L.N., Eyler, J.R. Laser-induced photodissociation of chloroethane molecular ions in the gas phase 9—94048
Morgenthaler, L.N. *see* Dugan, R.J. 9—71560
Morgerli, B., Gnieser, J. Recycling and urban water conservation 9—79892
Morgner, H. Penning ionisation of atomic hydrogen by metastable neon atoms 9—72406
Morgner, H., Niehaus, A. Experimental and theoretical study of the Penning ionisation of H atoms by He metastables 9—64089
Morgner, H. *see* Hoffmann, V. 9—89763
Morgner, H. *see* Klar, H. 9—81288
Morgun, Yu.F. *see* Lavrovskii, L.A. 9—55133
Morgunov, B.I. *see* Shebeko, S.M. 9—59941
Morhange, J.F., Kanellis, G., Balkanski, M. Raman study of laser annealed silicon 9—99881
Morhange, J.F., Kanellis, G., Balkanski, M., Peray, J.F., Icole, J., Croset, M. Raman spectroscopy of pulsed-laser annealed ion implanted silicon 9—73189
Morhange, J.F. *see* Jouanne, M. 9—65869
Mori, A. *see* Iseki, T. 9—79113
Mori, A. *see* Izumoto, T. 9—49631
Mori, C., Noguchi, H., Ishigure, N., Fujita, K., Watanabe, T. A double proportional counter for measurement of radioisotope Auger electrons and X-rays 9—81129
Mori, H. Multi-contour detection of gastric X-ray image by organizing before identification 9—88177
Mori, H., Tokuwame, M., Miyazaki, T. Cyclic deformation of silicon-iron single crystals oriented for single glide 9—100224
Mori, H., Tokuyama, M., Morita, T. Scaling for the space-time coarse graining and kinetic equations 9—75445
Mori, H., Yoshihara, H. Ion effect on γ-Al_2O_3 films by enhanced ARE process 9—66013
Mori, H. *see* Fujisaka, H. 9—86406, 9—98691
Mori, H. *see* Karasudani, T. 9—63174
Mori, H. *see* Mitani, T. 9—91513
Mori, H. *see* Miyazaki, T. 9—83236, 9—100184
Mori, H. *see* Murata, Y. 9—100183
Mori, H. *see* Ozawa, T. 9—99143
Mori, H. *see* Takagishi, S. 9—100192
Mori, J. *see* Matsubara, Y. 9—58744
Mori, J. *see* Tagawa, T. 9—51007, 9—73076
Mori, K., Satou, M., Takagi, S.F. Fast and slow inhibitory postsynaptic potentials in the piriform cortex neurons 9—92244
Mori, K. *see* Ando, K. 9—94341
Mori, K. *see* Maezawa, K. 9—91025
Mori, K. *see* Takai, Y. 9—61445
Mori, M., Noda, Y., Yamada, Y. Incommensurate Jahn-Teller phase transitions in $R_2PbCu(NO_2)_6$:(R:K,Rb,Cs,Tl) 9—95156
Mori, M., Yamada, Y. Incommensurate Jahn-Teller phase transitions in $Tl_2PbCu(NO_2)_6$ and $Rb_2PbCu(NO_2)_6$ 9—65185
Mori, N., Kodama, S., Ozaki, H. The DC Josephson effect for superconducting proximity systems 9—56425
Mori, N., Ogi, K., Matsuda, K. Study on the formation of string ghosts in Al-Cu-Mg alloys 9—100130
Mori, N., Ogi, K., Matsuda, K. An analytical study of macrosegregation in ingot 9—100150
Mori, N. *see* Kakudate, Y. 9—56222
Mori, N. *see* Katano, S. 9—60812
Mori, N. *see* Oomi, G. 9—55805
Mori, R.De *see* De Mori, R.
Mori, S. Phase measurement using an interferometer having a filamentary spatial filter and an extended source of polychromatic light 9—71518
Mori, S., Ando, T. Intersubband scattering effect on the mobility of a Si (100) inversion layer at low temperatures 9—95506
Mori, S., Takemura, M., Tanaka, Y., Kataoka, I., Ando, Y. Considerations on fast neutron albedo for iron, concrete and iron-covered concrete slab 9—76151
Mori, S. *see* Benvenuti, A. 9—49508, 9—58951
Mori, S. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Mori, S. *see* Hiraoka, T. 9—71963
Mori, T., Okamoto, T., Saito, M. Suppression of the photoconductivity of $Bi_{12}GeO_{20}$ and its application to electro-optic light valve 9—78134
Mori, T., Tangri, K. Gliding of boundary dislocations on coincidence boundaries 9—82224
Mori, T., Yamada, T., Tanaka, R., Tanaka, T. Heterogeneous network polymers. IX. Textures in concentrated solutions of poly(l-glutamic acid) and poly(oxyethylene glycol) and in the solid films 9—90534
Mori, T. *see* Iwase, M. 9—96013
Mori, T. *see* Kawamura, M. 9—70737
Mori, T. *see* Kobayashi, A. 9—56159
Mori, T. *see* Namba, Y. 9—55618
Mori, T. *see* Okabe, M. 9—83211
Mori, T. *see* Okabe, N. 9—61703
Mori, T. *see* Yamaguchi, K. 9—61518
Mori, T. *see* Yokoyama, A. 9—53228
Mori, Y. *see* Ito, M. 9—69343
Mori, Y. *see* Kato, Y. 9—74099
Mori, Y. *see* Shimoda, A. 9—79270
Mori, Y.H., Inui, E., Komotori, K. Pool boiling heat transfer to emulsions 9—55378
Moriarty, J.A. Simplified local-density theory of the cohesive energy of metals 9—60749
Moriarty, J.A. The small-core approximation and structural phase stability in metals 9—99498
Moriarty, J.A. *see* Sher, A. 9—78182
Moriarty, K.J.M., Tabor, J.H., Thompson, H.N. Inclusive multi-Pomeron corrections in the Regge-eikonal model: an application 9—63557
Moriarty, K.J.M. *see* Ardill, R.W.B. 9—63004
Moricca, M. *see* Esposito, B. 9—63489
Morichev, I.E., Onokhov, A.P., Savinov, V.P. Laser breakdown and temperature dependence of absorption in quartz 9—64296
Morichev, I.E. *see* Balakov, A.V. 9—83125
Morigaki, K. Impurity bands in semiconductors 9—95367
Morigaki, K. *see* Nitta, S. 9—65946
Moriggi, S. *see* Bacci, C. 9—93440
Morii, K. *see* Nakayama, Y. 9—79001
Morii, T. *see* Hirabayashi, S. 9—59064
Morii, Y., Giri, M.R., Kojima, H. Thermal contact between powdered CMN and solid ^3He below 35 mK 9—60598
Morii, Y. *see* Chainer, T. 9—51359
Moriizumi, T., Kyuma, K., Hyakutake, J., Yasuda, T. A monolithic surface-wave oscillator using a SAW amplifier and periodic gratings 9—50447
Moriizumi, T. *see* Matsuda, A. 9—56054
Moriizumi, T. *see* Suemune, I. 9—81602
Morik, Gy. *see* Berecz, I. 9—62382
Morikawa, J. *see* Nihei, H. 9—55521

Morikawa, M., Mochizuki, T., Yamanaka, M., Yamanaka, C. Parametric studies of an optically pumped 12 μm NH_3 laser 9—81414
Morikawa, M. *see* Maeyama, H. 9—81192
Morikawa, T. Parameter representation of first- and second-order variations preserving orthonormality 9—76326
Morikawa, Y., Segler, G., Hutt, W. The prediction of pressure-drop in the pneumatic conveyance of granular materials, having regard to the velocity of the grains 9—50782
Moriki, K. *see* Iga, K. 9—98388
Morille, R. *see* Suran, G. 9—78448
Morillon, C. *see* Camus, P. 9—98055
Morillot, G. *see* Huber, A.M. 9—90693
Morimoto, H. *see* Nagasawa, A. 9—91647
Morimoto, J. Properties of CdS single crystal made by modified Piper-Polich method 9—100036
Morimoto, J., Soeya, T. Barrier model of Cu_2S-CdS heterojunction diodes estimated from open-circuit photovoltage spectrum and cathodoluminescence 9—78165
Morimoto, K. *see* Hiramatsu, S. 9—63238
Morimoto, M. *see* Imai, H. 9—50290, 9—50321
Morimoto, M. *see* Ishikawa, H. 9—76688
Morimoto, M. *see* Minowa, J. 9—50415
Morimoto, N. The modulated structures of feldspars 9—95031
Morimoto, N. *see* Nakazawa, H. 9—99178
Morimoto, N. *see* Parise, J.B. 9—55708
Morimoto, O. *see* Iiata, T. 9—78877
Morimoto, S., Kondo, K., Mizuuchi, T., Iiyoshi, A., Uo, K. Confinement of ohmically heated plasmas in Heliotron D 9—50879
Morimoto, T. Hall effect and helicon resonance in pure bismuth in high magnetic fields 9—60861
Morimoto, T. Frequency shift of microwaves associated with the magnetosonic-electric effect in bismuth 9—60865
Morimoto, T. *see* Chiba, M. 9—93898
Morimoto, T. *see* Nagao, M. 9—52759
Morimoto, Y., Hayashi, T. Compression and stress relaxation of copper powders 9—96060
Morimoto, Y., Saheki, K. Electrification of a vacuum oil drop in an electric field 9—86101
Morimura, N. *see* Ura, K. 9—71568
Morin, F., Richard, J. The effect of annealing on the electron mobility and concentration in CdSe thin film transistor and metal-insulator-semiconductor-metal structures 9—78198
Morin, F.J., Oliver, J.R., Housley, R.M. Electrical properties of forsterite, Mg_2SiO_4. II 9—69285
Morin, G., Nachman, M. A new method for measuring anisotropy at microwave frequencies 9—93173
Morin, J. *see* Bourot, J.-M. 9—53982
Morin, P., Schmitt, D. Quadrupolar effects on the third-order magnetic susceptibility 9—99674
Morin, P. *see* Aleonard, R. 9—73676
Morin, P. *see* Givord, D. 9—99684
Morin, P. *see* Levy, P.M. 9—61583
Morin, R.L., Raeside, D.E., Goin, J.E., Widman, J.C. Monte Carlo advice 9—81122
Morinaga, A. *see* Tanaka, K. 9—50328
Morinaga, H., Matsuoka, Y. Positron annihilation in Ni fine particles 9—61461
Morinaga, H. *see* Daniel, H. 9—68014
Morinaga, H. *see* Nolte, E. 9—72004
Morinaga, K. *see* Kawahara, M. 9—52746
Morinaga, M. Diffuse scattering from VO_x 9—99025
Morinaga, M., Cohen, J.B. The defect structure of VO_x. I. The ordered phase, $VO_{1.30}$ 9—99177
Morinaga, M., Cohen, J.B., Faber, J., Jr. X-ray diffraction study of $Zr(Ca,Y)O_{2-x}$. I. The average structure 9—99123
Morinaka, I. *see* Kametani, H. 9—61542
Morine, G.H. *see* Bremer, N. 9—52720
Morine, G.H. *see* Dismukes, G.C. 9—52722
Morino, Y., Shimanouchi, T. Definition and symbolism of molecular force constants (recommendations, 1978). Commission on molecular structure and spectroscopy 9—49192
Morioka, A. *see* Aizawa, M. 9—53293
Morioka, A. *see* Oya, H. 9—75148
Morioka, M. *see* Sumiyama, K. 9—82855
Morioka, S., Afnan, I.R. The πNN vertex and the relativistic evaluation of $\pi^+d \rightarrow pp$ amplitude 9—75795
Morioka, S., Ueda, T. Relativistic calculation of the photon circular polarization in $np \rightarrow \gamma d$ process 9—67582
Morioka, Y. *see* Konishi, S. 9—78663
Morioka, Y. *see* Masuko, H. 9—64016
Morisetti, S. *see* Benza, V. 9—49126
Morishige, M. *see* Tokunaga, Y. 9—100156
Morishima, N., Kariya, T. Contact of a spherical particle with a droplet 9—60604
Morishima, N. *see* Nishina, K. 9—63733
Morishita, K., Kondoh, Y., Kumagai, N. On the accuracy of scalar approximation technique in optical fiber analysis 9—81561
Morishita, K., Kumagai, N., Inagaki, S. Analysis of discontinuities in dielectric waveguides by means of the least squares boundary residual method 9—59823
Morishita, T. Relaxation of the field-induced spin reorientiation in $ErCrO_3$ 9—78402
Morisi, F. *see* Deninno, M.M. 9—79705
Morita, A. The rotational Brownian motion of a symmetrical top 9—54061
Morita, A. An exact treatment for non-linear relaxation processes governed by the rotational Smoluchowski equation 9—71365
Morita, A., Watanabe, H. An exact treatment of the Kerr-effect relaxation in a strong unidirectional electric field 9—69811
Morita, A., Watanabe, H. Electric polarization in a molecule having two interacting dipoles in a strong field 9—76361
Morita, A. *see* Okazaki, R. 9—83583
Morita, F. *see* Miyamoto, Y. 9—78498
Morita, H., Fujimori, H., Obi, Y. Roll magnetic anisotropy in amorphous ferromagnet $Fe_{4.17}Co_{70.3}Si_{15}B_{10}$ 9—51773
Morita, H. *see* Nakagawa, Y. 9—55891
Morita, K. A method for estimating all season and heavy rainy season rain rate distribution 9—66827
Morita, K. Hypercomplex quark fields and quantum chromodynamics 9—93344
Morita, K. Estimation of worst-month and worst-year rain attenuation distribution in Earth satellite links 9—100890
Morita, K. A new method for estimating rain attenuation distribution 9—100891
Morita, K., Sakashita, S. On the origin of the dust lane in the active radio galaxies 9—62910
Morita, M., Ogawa, T., Tsuruda, K., Obayashi, T. Electric-field measurements with double probes in a space-simulation plasma-chamber 9—64909
Morita, M. *see* Koshigiri, K. 9—54409
Morita, M. *see* Sakagami, Y. 9—63809
Morita, N., Oda, T., Kumagai, N. Scattering and mode conversion of guided modes by a spherical object in an optical fiber 9—81558
Morita, N. *see* Matsushima, F. 9—68243
Morita, R. *see* Yokoyama, A. 9—53228
Morita, S. L-equivalence classes of submanifolds in complex projective spaces 9—75323
Morita, S., Fujioka, M., Orihara, H., Tazawa, S., Yoshimura, C., Fujii, K., Takayama, T., Maruyama, M., Abe, J., Mita, T., Yamamoto, M. The Tohoku University 680 model cyclotron and facility 9—54638
Morita, S. *see* Imai, S. 9—73636
Morita, T., Fukui, Y. Thermalization of the ideal gas in a one-dimensional box 9—93034
Morita, T., Konishi, M., Nose, K., Asada, Y., Yamamoto, I. Use of GMDH for estimation of regional air quality 9—57544
Morita, T., Niwa, F. Experimental conferencing for citizen participation in environmental control 9—57499
MOrita, T. *see* Fujii-e, Y. 9—77734
Morita, T. *see* Fukui, Y. 9—92810
Morita, T. *see* Kurihara, A. 9—58740
Morita, T. *see* Mori, H. 9—75445
Morita, T. *see* Shinozaki, K. 9—77795
Morita, T. *see* Wungkobkiat, S. 9—97413
Morita, Y. Accurate cutaneous temperature of a living human body 9—83976
Moritake, K. *see* Sato, M. 9—83833
Moritani, A., Nakai, J. Evaluation of semiconductor surfaces by electroreflectance 9—82949
Moritani, A. *see* Oimura, K. 9—99901
Moritani, A. *see* Tachi, S. 9—99853
Moritani, T., deVries, H.A. Reexamination of the relationship between the surface integrated electromyogram (IEMG) and force of isometric contraction 9—74618
Moritz, E. *see* Materna, P. 9—85798
Moritz, E. *see* Thoma, H. 9—83877
Moritz, J. *see* Hartwig, S. 9—49621
Moriya, H. *see* Tanji, Y. 9—50599
Moriya, S. *see* Kimura, H. 9—78988
Moriya, T., Indo, H. Ordered structures of interstitial solutes in BCC lattice 9—82196
Moriya, T., Takahashi, Y. Spin fluctuations in itinerant electron magnetism 9—65687
Moriya, T. *see* Takahashi, Y. 9—65636
Moriyama, F. *see* Hirayama, T. 9—80292
Moriyama, J. *see* Ono, K. 9—100075
Moriyama, S., Andou, J., Kuchikata, A., Sawachi, Y., Kitada, H., Akiba, T. Stack gas monitoring system for warning and control 9—57561
Moriyama, S. *see* Okada, T. 9—53674
Moriyama, S.-I., Okada, T., Hayakawa, M., Iwai, A. The effect of the Earth-ionosphere waveguide propagation of the polarization and arrival angles of whistlers 9—100924
Moriyoshi, Y., Noguchi, Y., Maruyama, O., Komatsu, W. Welding of nickel oxide single crystals 9—65097
Moriyoshi, Y., Shirasaki, S., Ooshima, H., Tsutsumi, T., Shindo, I. A simple determination of crystallographic orientation of grains in polycrystal zinc oxide 9—69049
Morizane, K. *see* Kato, Y. 9—74099
Morizet, J. *see* Dupoisot, H. 9—98271
Mork, K.J. *see* Razi Naqvi, K. 9—52621, 9—87823
Mork, K.J. *see* Razi Navi, K. 9—79226
Morkowksi, J., Oles, A.M. On the origin of localized magnetic states in transition metal alloys. I. Wolff model 9—61049
Morkowska, B. Precise astrographic positions of minor planets obtained at the Poznan University Observatory 9—62786
Morkowski, J. *see* Oles, A.M. 9—78311
Morl, K., Ropke, U., Knappe, B., Lehmann, J., Perthel, R., Schroder, H. Optical properties of sputtered Fe_2O_3 films 9—91517
Morley, J.G. Composite materials: designing for structural integrity 9—83155
Morley, L.W. *see* Clough, D.J. 9—58220
Morley, P.D., Kislinger, M.B. Asymptotic freedom and dense baryonic matter 9—62738
Morman, J.A. *see* Bretscher, M.M. 9—81012
Morniroli, J.-P. Epitaxy in thin copper-aluminium alloy layers obtained by thermal evaporation on a (001) cleavage face of sodium chloride 9—95294
Moro, R. *see* Terrasi, F. 9—80912
Morohashi, S. *see* Ikebe, M. 9—60972
Morokhovskii, V.L. *see* Grishaev, I.A. 9—91522
Morokuma, K. *see* Kato, S. 9—85903
Morokuma, K. *see* Kitaura, K. 9—93920
Morokuma, K. *see* Tsuda, M. 9—52738
Morokuma, K. *see* Yamabe, T. 9—68201
Moron, J.W. *see* Ciurzynska, W. 9—95611
Moron, J.W. *see* Wencek, H. 9—95613
Moron-Leon, D. *see* Geiger, J. 9—59575
Moronchuk, I.E. *see* Dzhafarov, T.D. 9—56333
Moroni, W. *see* Endres, H. 9—90636
Moroni, W. *see* Keller, H.J. 9—73671
Morosin, B., Schirber, J.E. Remarks on the compressibilities of cubic materials and measurements on Pr chalcogenides 9—99262
Morosin, B. *see* Schirber, J.E. 9—65188
Morosoff, N. *see* Liepins, R. 9—52148
Morosov, V.N. *see* Gusev, V.M. 9—51167
Morova, I.V. *see* Musatov, M.I. 9—72637
Morovic, T. *see* Hartung, H. 9—72269
Moroz, A.I., Kostornov, A.G., Fedorchenko, I.M., Fedorova, N.E. Some properties of permeable materials from fine iron fibers 9—98798
Moroz, E.V., Presnyakov, Yu.P., Tsarfin, V.Ya. Errors in measuring the dimensions of drops by holographic methods 9—67252
Moroz, I.M. *see* Gibbon, J.D. 9—72898
Moroz, N.K. *see* Kriger, Yu.G. 9—99787
Moroz, V.I., Moshkin, B.E., Ekonomov, A.P., San'ko, N.F., Parfent'ev, N.A., Golovin, Yu.M. Spectrophotometric experiments aboard the descent probes Venera 11 and Venera 12: some results of the analysis of the Venusian day sky spectrum 9—66949
Moroz, V.I. *see* Abdivaliev, A. 9—67569, 9—67570
Moroz, V.I. *see* Balea, E. 9—63520
Moroz, V.I. *see* Ustinov, E.A. 9—62779
Moroz, V.R. *see* Kovrigin, A.A. 9—87772
Morozenko, Ya.V. *see* Klochikhin, A.A. 9—99886
Morozhenko, A.V. Some physical characteristics of the 1971 Martian dust clouds 9—84704
Morozkova, V.E., Tomilov, N.P., Berger, A.S. Some characteristics of crystallization of A-type zeolite from sodium-potassium silicaalumo gels 9—52780
Morozov, A.I. Influence of hybridization on the superconducting properties of PdH 9—69628
Morozov, A.I., Belyaev, A.D., Liberman, N.N. Influence of a magnetic field on the acoustoelectric instability of the current in tellurium 9—73547
Morozov, A.M. *see* Sementsov, D.I. 9—65843, 9—73908
Morozov, A.O. *see* Kuchinskii, V.V. 9—98455
Morozov, A.O. *see* Zhiglinskii, A.G. 9—76784
Morozov, B.V. *see* Zhurkin, V.V. 9—89313
Morozov, I.I. *see* Butkovskaya, N.I. 9—59596
Morozov, I.V. *see* Atenelashvili, M.I. 9—84626
Morozov, K.V. *see* Aksenov, I.D. 9—61556
Morozov, N.A. *see* Bukatova, I.L. 9—55239
Morozov, N.A. *see* Kiiko, I.A. 9—79055
Morozov, N.F. About one rheological connection 9—86358
Morozov, N.N. *see* Medvedev, Yu.A. 9—97908
Morozov, N.P., Tetelbaum, D.I. Radiation defect formation at ion implantation of semiconductors in the presence of force fields 9—51126
Morozov, O.P., Kuznetsov, V.Yu. Study procedure for phase transformation kinetics during rapid cooling to isothermal hold 9—52509
Morozov, O.P., Shteinberg, M.M., Kuznetsov, V.Yu. Singularities of the $\gamma \rightarrow \alpha$ transformation in steels based on the composition Fe+3% Cr in the temperature interval of the intermediate transformation 9—91644
Morozov, P.A., Morozova, S.O., Perfilova, T.G., Rukman, G.I., Sholokhov, V.A., Chavuser, G.Sh. Thermal monitoring for laser components 9—80614
Morozov, P.A., Rukman, G.I. Measurements of the three-dimensional energy characteristics of laser radiation in the IR region of the spectrum 9—76842
Morozov, P.A. *see* Rukman, G.I. 9—76636
Morozov, P.A. *see* Sholokhov, V.A. 9—80623
Morozov, S.N. *see* Budker, G.I. 9—72176
Morozov, V.A. Theory of dispersion of the depolarization and conversion factors in the vibrational Raman spectrum 9—72323

Morozov, V.A., Rodionova, N.V. Rayleigh diffraction of a plane wave by a sphere with a circular aperture 9—64161
Morozov, V.A. *see* Kurbatov, L.N. 9—69605
Morozov, V.A. *see* Meshcheryakov, Yu.I. 9—86379
Morozov, V.A. *see* Pazin, A.V. 9—50997
Morozov, V.F. *see* Berman, L.S. 9—82628
Morozov, V.G. Investigation of limiting vapor qualities in the second boiling crisis 9—81970
Morozov, V.G., Mukhai, A.N. Hydrodynamic spectrum of an antiferromagnet at low temperatures 9—73663
Morozov, V.I. Experimental research on the production and storage of ultracold neutrons in the USSR 9—97923
Morozov, V.I. *see* Gordeeva, L.T. 9—70227
Morozov, V.I. *see* Usatenko, S.T. 9—54849
Morozov, V.N. *see* Bessonov, Yu.L. 9—98408
Morozov, V.N. *see* Eliseev, P.G. 9—72570
Morozov, V.N. *see* Mironov, Yu.M. 9—50297
Morozov, V.N. *see* Vasil'ev, A.A. 9—94177
Morozov, V.T. The stability of the flow of a layer of a viscous liquid with moment stresses along an inclined plane 9—64631
Morozov, Yu.D. *see* Matrosov, Yu.I. 9—87720
Morozov, Yu.G., Petinov, V.I. Superconductivity of granulated composite samples 9—69619
Morozov, Yu.G. *see* Dukhovskoi, E.A. 9—87140
Morozova, G.A. *see* Vinokur, F.L. 9—66135
Morozova, G.I., Ibragimova, I.P., Lashko, N.F. Methods for the separation of phases in magnesium alloys 9—70237
Morozova, G.I., Tikhonova, V.V., Lashko, N.F. Phase composition and mechanical properties of cast Mg-Zn-Zr alloys 9—100217
Morozova, G.I. *see* Lashko, N.F. 9—70055
Morozova, I.A. *see* Vidro, G.I. 9—67376
Morozova, I.N. *see* Khalilev, V.D. 9—94913
Morozova, L.P., Lukin, E.S., Efimovskaya, T.V., Smolya, A.V., Panteleeva, I.F. Synthesis of aluminum yttrium garnet 9—61545
Morozova, L.V. *see* Nikishin, E.L. 9—95217
Morozova, N.P., Rivin, M.M. Reconstruction of images distorted by smearing in the case of an unknown value of smear 9—76614
Morozova, N.P. *see* Kurdyumov, V.G. 9—90676
Morozova, N.S. *see* Didkovskaya, O.S. 9—52140
Morozova, O.L. *see* Fel'd, B.N. 9—92202
Morozova, O.V. *see* Barta, C. 9—99337
Morozova, P.V. *see* Borisenko, A.I. 9—67801
Morozova, S.O. *see* Morozov, P.A. 9—80614
Morozova, S.P. *see* Rukman, G.I. 9—76636
Morozova, V.M. *see* Mikheev, M.N. 9—70277
Morozumi, S. Aberration theory of diffraction gratings 9—55068
Morozumi, S. *see* Yano, S. 9—79157
Morra, P. *see* Costa, B. 9—98478
Morras, R. Study of one 21-cm component from local interstellar matter in the southern sky 9—84834
Morrell, F. *see* de Toledo-Morrell, L. 9—74624
Morrell, G.O., Jr. *see* Pendergast, P. 9—85907
Morrell, J.A., Albrecht, A.C. Second-order hyperpolarizability of p-nitroaniline calculated from perturbation theory based expression using CNDO/S generated electronic states 9—76358
Morrell, J.A. *see* Burberry, M.S. 9—81207
Morris, A. *see* Bulgin, D.K. 9—72359
Morris, A. *see* Colbourn, E.A. 9—72358
Morris, A. *see* Dunlavey, S.J. 9—98153
Morris, A. *see* Dyke, J.M. 9—98051
Morris, A.W., Bale, A.J. Effect of rapid precipitation of dissolved Mn in river water on estuarine Mn distributions 9—62516
Morris, A.W., Elwell, D. High temperature solution growth of yttrium aluminium garnet crystals using accelerated crucible rotation 9—100039
Morris, C.L., Piffaretti, J., Thiessen, H.A., Cottingame, W.B., Braithwaite, W.J., Joseph, R.J., Moore, I.B., Holtkamp, D.B., Harvey, C.J., Greene, S.J., Moore, C.F., Boudrie, R.L., Peterson, R.J. Observation of isospin mixing in ^{12}C near 19.5 MeV excitation 9—93505
Morris, C.L. *see* Amann, J.F. 9—89530
Morris, C.L. *see* Anderson, R.E. 9—85502
Morris, C.L. *see* Blanpied, G.S. 9—85518
Morris, C.L. *see* Boudrie, R.L. 9—85540, 9—89563
Morris, C.L. *see* Boyer, K.G. 9—85539
Morris, C.L. *see* Braid, T.H. 9—60414
Morris, C.L. *see* Cottingame, W.B. 9—85364, 9—85535
Morris, C.L. *see* Davis, J. 9—93662
Morris, C.L. *see* Geesaman, D.F. 9—85541
Morris, C.L. *see* Igo, G. 9—80916
Morris, C.L. *see* Kallne, J. 9—85503, 9—85521
Morris, C.L. *see* Olmer, C. 9—93667
Morris, C.L. *see* Ray, L. 9—63669
Morris, D. *see* Elo, D. 9—54681
Morris, D.G. *see* Dyott, R.B. 9—64324
Morris, D.H. *see* Yeow, Y.T. 9—61713, 9—83294
Morris, E. *see* Bryant, A.R. 9—49771
Morris, G. *see* Bentele, W. 9—67876
Morris, G.A., Freeman, R. Enhancement of nuclear magnetic resonance signals by polarization transfer 9—94013
Morris, G.R. *see* Abshire, G. 9—81124
Morris, H. *see* Ayscough, P.B. 9—84906
Morris, H.L. *see* Smith Jordan, L. 9—57670
Morris, H.M. Rotary tachometers dominate the velocity sensing market 9—63198
Morris, J.H., Perkins, P.G., Rose, A.E.A., Smith, W.E. The relationship between the binding properties of a composite from aluminium dihydrogen phosphate and silica and the crystal habit of the aluminium dihydrogen phosphate 9—66030
Morris, J.L., Wait, R. Crack-tip elements with curved boundaries and variable nodes 9—98663
Morris, J.Ll. *see* Alexander, M.E. 9—53985
Morris, J.V., Darvill, D.C., Davenport, M., Foster, F., Hughes, G., Wright, J., Allison, J., Dickinson, B., Hill, S., Ibbotson, M., Lathem, A., Mills, H.E., Stephens, K., Thompson, R., Vapenikova, O. Forward electroproduction of charged pions from deuterons at $Q^2=1.0$ $(GeV/c)^2$ 9—93434
Morris, J.V. *see* Latham, A. 9—89168
Morris, J.W. *see* Sheree Chen 9—96029
Morris, J.W., Jr. *see* Grivas, D. 9—57042
Morris, J.W., Jr. *see* Hwang, S.K. 9—79098
Morris, K. *see* Petley, B.W. 9—54093
Morris, L.R., Allan, D.I. An LPC k-parameter software speech synthesizer via dynamic microprogramming a general purpose computer 9—64443
Morris, M.C., McMurdie, H.F., Evans, E.H., Paretzkin, B., de Groot, J.H., Weeks, B.S., Newberry, R.J. Standard X-ray diffraction powder patterns 9—60223
Morris, M.D., Wallan, D.J. Resonance Raman spectroscopy 9—92014
Morris, P.G., Mansfield, P., Pykett, I.L., Ordidge, R.J., Coupland, R.E. Human whole body line scan imaging by nuclear magnetic resonance 9—66502
Morris, P.G. *see* Mansfield, P. 9—93190
Morris, P.J. *see* Lau, J.C. 9—77307
Morris, P.R. Recent developments in experimental methods of texture measurement 9—87815
Morris, R.A. *see* Schwalbe, L.A. 9—74453
Morris, R.C. Disclination-dislocation model of metallic glass structures 9—82159
Morris, R.C. *see* Cline, C.F. 9—52353
Morris, R.C. *see* Walling, J.C. 9—72573
Morris, S. *see* Giclas, H.L. 9—101118
Morris, S.M., Palmer, C.G., Fry, F.J., Johnson, L.K. Effect of ultrasound on human leucocytes. Sister chromatid exchange analysis 9—96612
Morris, T.W., Waag, R.C., Schenk, E., Kinney, D.S. A histomorphometric technique for analyzing blood vessel smooth muscle, elastin, and collagen 9—84067
Morris, V.J., Brownsey, G.J., Jennings, B.R. Scattering from polydisperse suspensions. Evaluation of two-parameter size distributions using photon correlation data 9—92011
Morris, W.A., Schmidt, P.W., Roy, J.L. A graphical approach to polar paths: paleomagnetic cycles and global tectonics 9—66618
Morris, W.A. *see* De Clercq, C. 9—89188
Morris, W.L. Microcrack closure phenomena for Al 2219-T851 9—57097
Morris, W.L. *see* Chang, R. 9—69189
Morrish, A.H. *see* Schurer, P.J. 9—56526
Morrish, A.H. *see* Soohoo, R.F. 9—73824
Morrison, C.A. *see* Esterowitz, L. 9—95836
Morrison, C.A. *see* Farber, E.A. 9—62123, 9—62129, 9—62133
Morrison, D., Pieri, D., Veverka, J., Johnson, T.V. Photometric evidence on long-term stability of albedo and colour markings on Io 9—96951
Morrison, D.B. *see* Tendam, I.M. *(editor)* 9—88473
Morrison, D.R.O. *see* Blietschau, J. 9—93396
Morrison, D.R.O. *see* Cochet, C. 9—80854
Morrison, D.R.O. *see* Deutschmann, M. 9—85345
Morrison, D.R.O. *see* Flaminio, V. 9—89187
Morrison, D.R.O. *see* Girtler, P. 9—89197
Morrison, D.R.O. *see* Otter, G. 9—85338
Morrison, G.C. *see* Bhowmik, R.K. 9—93649
Morrison, G.H. *see* Cambell, N.A. 9—66466
Morrison, G.H. *see* Ganjei, J.D. 9—74439
Morrison, G.H. *see* Rudat, M.A. 9—61484
Morrison, H.F., Fernandez, R., Corwin, R.F. Earth resistivity, self potential variations, and earthquakes: a negative result from M=4.0 9—57860
Morrison, H.F. *see* Dey, A. 9—92617
Morrison, I., Amos, K. Correlation effects in the elastic scattering of $\pi^{\pm}$ from ^{18}O 9—85514
Morrison, I. *see* Amos, K. 9—67704
Morrison, I. *see* Fox, M. 9—93594
Morrison, I.D. *see* Sacher, R.S. 9—77895
Morrison, J.A. *see* Bansal, O.P. 9—51745
Morrison, J.A. *see* Sears, W.M. 9—69211, 9—95178
Morrison, J.A. *see* White, M.A. 9—82193
Morrison, J.B. *see* Hubelbank, M. 9—70676
Morrison, J.D. *see* McGilvery, D.C. 9—68280
Morrison, J.D. *see* Yost, R.A. 9—67419
Morrison, L.V. Re-determination of the decade fluctuations in the rotation of the Earth in the period 1861-1978 9—84073
Morrison, L.V. Catalogue of observations of occultation of stars by the Moon for the years 1943 to 1971 9—88606
Morrison, M.A., Hay, P.J. Molecular properties of N_2 and CO_2 as functions of nuclear geometry: polarizabilities, quadrupole moments and dipole moments 9—63899
Morrison, P. Is M82 really exploding? 9—75279
Morrison, P.J. *see* Mendis, D.A. 9—88626
Morrison, R.J. *see* Fields, J.N. 9—50564
Morrison, S.R. *see* Frese, K.W., Jr. 9—99626
Morrison, S.R. *see* Sancier, K.M. 9—66352
Morrison, T.P. *see* Ekstron, L.P. 9—59032
Morrison, T.P. *see* Mustaffa, O.M. 9—85402
Morrison, W.B. *see* Mintz, B. 9—91705
Morriss, G.P., Perram, J.W., Smith, E.R. The solution of the RISM equation for diatomic symmetric molecules 9—90508
Morrissey, J.A. *see* Shelton, R.D. 9—62164
Morrissey, P. *see* Shipp, T. 9—94413
Morro, A. Spatial interaction in magneto-micropolar continua 9—97198
Morro, A. Interaction of shock waves with acoustic waves 9—98521
Morro, A. *see* Bampi, F. 9—92956
Morro, A. *see* Massa, E. 9—58661
Morrow, A.J., Sommer, R.G., Keck, D.B., Gunderson, L.C. Design and fabrication of optical fibers for data processing applications 9—50426
Morrow, A.J. *see* Radebaugh, R. 9—80624
Morrow, C. *see* White, D.N.J. 9—59527
Morrow, J. *see* Socie, D.F. 9—77015
Morrow, R.A. Simplified derivation of the crossing relations using the substitution rule as a guide 9—67483
Morsch, H.P. *see* Kamermans, R. 9—49637
Morsch, M. *see* Kuhne, R. 9—90973
Morse, E.C., Miley, G.H., Condit, W.C. Stability of field-reversed mirrors 9—86606
Morse, F.H. United States solar heating and cooling research and development program 9—57373
Morse, F.H., Blum, S. Status of the CCMS and IEA solar energy activities 9—57362
Morse, M.D., Freed, K.F., Band, Y.B. Rotational distributions from photodissociations. I. Linear triatomic molecules 9—66309
Morse, M.D., Freed, K.F., Band, Y.B. Rotational distributions from photodissociation. II. Results for $ICN+h\nu \rightarrow I+CN(X^2\Sigma^+)$ 9—66310
Morse, P.A. *see* Miller, C.L. 9—50527
Morse, W.M. *see* Schmidt, M.P. 9—89146
Morsink, J.B.W., Hesselink, W.H., Wiersma, D.A. Photon echo stimulated from optically induced nuclear spin polarization 9—76460
Morsink, J.B.W., Wiersma, D.A. Photon echoes in the $^3P_0 \leftarrow {}^3H_4$ transition in Pr^{3+}/LaF_3 9—86219
Morsy, S.M. *see* Henaish, B.A. 9—76293
Mortell, M.P., Seymour, B.R. Nonlinear forced oscillations in a closed tube: continuous solutions of a functional equation 9—72948
Mortell, M.P. *see* Seymour, B.R. 9—49063
Morten, B., Prudenziati, M., Taroni, A. Thermoresistive sensors: a little of physics and a lot of fantasy 9—80617
Mortensen, M.H. *see* Betts, R.R. 9—93532
Mortimer, J.T., Yodlowski, E.H. Frequency sweep analysis of neuromuscular junction continuity 9—96686
Mortimer, L.F. Aircraft engine emissions are under continuing surveillance 9—74562
Mortimer, S.R. *see* Wilson, R.E. 9—85727
Morton, A.H. *see* Bydder, E.L. 9—86593
Morton, A.J. The γ-phase regions of the Cu-Zn, Ni-Zn and Pd-Zn binary systems 9—61562
Morton, A.J. Superstructures involving inversion domains: large scale incommensurate structures 9—95174
Morton, B.C., Shepertycki, T. Regional changes in left ventricular shape and volume in the detection of wall motion abnormalities 9—70633
Morton, D.C., Rayborn, G.H. Correction of instrumental distortion by analytical deconvolution of data 9—54116
Morton, D.C. *see* Boggess, A. 9—71149
Morton, D.C. *see* Thomas, R.M. 9—71031
Morton, F.S.S. *see* Armstrong, N.A. 9—70260
Morton, J. On the strain-rate effects in polyester model materials 9—83245
Morton, J. *see* Malik, Z. 9—96082
Morton, J.B., Andrews, H.C. a posteriori method of image restoration 9—72502
Morton, J.R., Preston, K.F., Strach, S.J., Adrian, F.J., Jette, A.N. Anisotropic hyperfine interactions of rare-gas nuclei near trapped hydrogen atoms 9—65728
Morton, J.R., Preston, K.F., Wang, J.T., Williams, F. The EPR spectrum of $C_2F_4^-$ 9—76453
Morton, J.R. *see* Boate, A.R. 9—85977
Morton, N. The resistivity and superconductivity of transition metals 9—51550
Morton, N., James, B.W., Wostenholm, G.H., Howard, N.A. The resistivity of V_3Sn and related compounds 9—65426
Morton, P.L. *see* Chao, A.W. 9—72075

Morton, W.H., Rex, D.C., Mitchell, J.G., Mohr, P. Riftward younging of volcanic units in the Addis Ababa region, Ethiopian rift valley 9—84204

Morup, S. *see* Bhargava, S.C. 9—95688

Morup, S. *see* Clausen, B.S. 9—49357, 9—61284

Moruzzi, R.L. *see* Aseltine, R.G., Jr. 9—83995

Mory, C. *see* Boulesteix, C. 9—66596

Mory, J. *see* Chalant, G. 9—95056

Mory, S., Becker-Ross, H. Spectral selection and tuning of dye lasers with a simple thin layer Fabry-Perot interferometer 9—94242

Mory, S., Patzold, H.J., Rosenfeld, A., Polze, S., Korn, G., Tilch, J. Spectral narrowing and continuous tuning of a CW dye laser by grating beam-expansion 9—59720

Mory, S. *see* Rosenfeld, A. 9—98013

Moryakov, V.P. *see* Golovin, A.E. 9—97925

Morzier, C. *see* Musy, A. 9—96773

Mosa, M.F. *see* Helliwell, J.B. 9—60069

Mosca, L. *see* Givernaud, A. 9—75801

Moscardo, F., Alvarez-Collado, J.R. Pathological behavior of the open-shell restricted self-consistent-field equations 9—59350

Moscardo, F. *see* Delgado-Barrio, G. 9—89647

Moscarello, M.A. *see* Brady, G.W. 9—57600, 9—57601

Moschetti, G. *see* Anile, A.M. 9—54021

Moschitto, R.D. Operation of the Ft. Lewis, Washington solvent refined coal (SRC) pilot plant in the SRC I and SRC II processing modes 9—52867

Moscicki, A. Electrical conductivity of Al-Al_2O_3 thin film system 9—56310

Mosco, U. *see* Frehse, J. 9—54053

Mosel, U. Influence of dissipative and conservative properties on heavy-ion fusion 9—67807

Mosel, U. *see* Kunz, J. 9—75816

Moseley, H. A geometric method for measuring the distance between a point on the surface of the eye and the tip of a needle or instrument within the eye 9—53273

Moseley, J. Sir Robert Stawell Ball FRS 9—88783

Moseley, J.T. *see* Lee, L.C. 9—64060

Moseley, M.E. *see* Stilbs, P. 9—95664

Moselhy, M.M., Boomer, D.W., Bishop, J.N., Diosady, P.L., Howlett, A.D. Multielemental analysis of environmental materials by inductively coupled argon plasma excitation and direct-reading spectrometry 9—92028

Moser, B. *see* Lucas, K. 9—77472

Moser, F. *see* Ahrenkiel, R.K. 9—61771

Moser, J., Wortmann, G., Bykovetz, N., Kalvius, G.M. High-pressure Mossbauer study of the Curie temperatures and transferred hyperfine fields at ^{151}Eu and substitutional ^{119}Sn in EuS and EuSe 9—56643

Moser, J. *see* Willer, J. 9—80637

Moser, K. Influence of interlaminar imperfections on the load-carrying capacity of supporting structures of glass fibre reinforced plastics 9—100218

Moser, M. *see* Boudeulle, M. 9—51058

Moser, P. *see* Hautojarvi, P. 9—55785

Moser, P. *see* Ritchie, I.G. 9—57041

Moser, Z., Zakulski, W., Jedrzejek, C. Thermodynamic studies on liquid Zn-In-Cd solutions 9—83176

Moser, Z., Zakulski, W., Jedrzejek, C. Analytical calculation of the ternary Zn-In-Cd phase diagram 9—91631

Moses, D., Denenstein, A., Heeger, A.J., Nigrey, P.J., MacDiarmid, A.G. One- to three-dimensional crossover in the lattice dynamics of $Hg_{3-\delta}AsF_6$: low-temperature specific heat 9—86864

Moses, G.A., Smatlak, D.L. Hydrodynamic response of Xenon gas after absorbing target debris 9—85777

Moses, G.A. *see* Conn, R.W. 9—71974, 9—85793

Moses, H.E. Jost solutions and Green's functions for the three-dimensional Schrodinger equation 9—71277

Moses, H.E. An example of the effect of rescaling of the reflection coefficient on the scattering potential for the one-dimensional Schrodinger equation 9—71291

Moses, H.E. *see* Cohen, J.M. 9—49037

Moses, J.D. *see* Cindro, N. 9—67629

Moses, J.D. *see* Peng, J.C. 9—63694

Moses, J.E.R. *see* Stretton, A.O.W. 9—92208

Moses, R. *see* Gracovetsky, S. 9—83840

Moses, R.W. *see* Krakowski, R.A. 9—76119

Mosesov, M.D. *see* Vorob'ev, V.A. 9—91899

Moshalkov, V.V. *see* Brandt, N.B. 9—73431

Moshchinskii, B.V. *see* Savchenko, M.A. 9—65671

Mosher, D.M. *see* Soukup, R.J. 9—78234

Mosher, O.A. *see* Frueholz, R.P. 9—68321

Moshinskaya, I.P. Circular magnetic anomalies of the Russian platform and their relation to circular magmatic structures 9—88251

Moshinsky, M., Seligman, T.H. Canonical transformation to action and angle variables and their representations 9—58563

Moshinsky, M., Seligman, T.H. Canonical transformations to action and angle variables and their representation in quantum mechanics. II. The Coulomb problem 9—92965

Moshkin, B.E., Ekonomov, A.P., Golovin, Yu.M. Spectral composition of solar radiation in the Venusian atmosphere as determined by illumination measurements from Venera 9 and Venera 10 9—88612

Moshkin, B.E. *see* Moroz, V.I. 9—66949

Moshkov, A.G., Gross, L.G. Measuring the parameters of an electrostatic field 9—75550

Moshnikov, I.S. *see* Vyazankin, S.A. 9—58057

Moshupi, M.C., Anger, C.D., Murphree, J.S., Wallis, D.D., Whitteker, J.H., Brace, L.H. Characteristics of trough region auroral patches and detached arcs observed by Isis 2 9—70910

Moshupi, M.C. *see* Wallis, D.D. 9—70911

Moskaitis, R.J. *see* Butera, R.A. 9—73735

Moskalenko, E.S. Solitons in the system of coherent phonons and photons 9—64291

Moskalev, A.K., Belobrova, I.A., Aleksandrova, I.P. Application of the nuclear quadrupole resonance method in investigations of noncommensurable superstructures produced by phase transitions in Rb_2ZnCl_4 9—69791

Moskalev, A.N. *see* Gorshkov, V.G. 9—50098

Moskalev, V.A., Sergeev, G.I. Measurement of the parameters of an electron beam by determining the ionization of the residual gas 9—97915

Moskalev, V.V. *see* Kasperovich, V.S. 9—99780

Moskaleva, L.P. *see* Surkov, Yu.A. 9—80249

Moskaleva, M.A. *see* Zhizhin, G.N. 9—68441

Moskalevskii, A.I. *see* Cizek, A. 9—95052

Moskienko, M.V., Dyubko, S.F. Rotational spectrum of methyl bromide in the vibrational ground state 9—54853

Moskienko, M.V., Dyubko, S.F. Identification of generation lines of a submillimeter laser based on methyl bromide and acetonitrile molecules 9—64210

Mosko, S.W. *see* Ball, J.B. 9—54660, 9—68015

Mosko, S.W. *see* Fulmer, C.B. 9—54606

Moskovenko, I.B. *see* Lange, Yu.V. 9—79204

Moskovich, J. The design of a family of wide angle lenses having a commonality of parts 9—85194

Moskovits, M. Enhanced Raman scattering by molecules adsorbed on electrodes—a theoretical model 9—95767

Moskovskii, V.Z. *see* Ksenzhek, O.S. 9—61870

Moskowitz, G.W., Levy, L.M. Automatic reservoir for serial pipetting 9—100723

Moskowitz, J.W. *see* Topiol, S. 9—68188

Moskowitz, M.S. *see* Freed, P.S. 9—84019

Moskvich, Yu.N., Cherkasov, B.I. Investigation of anion motion and phase transition in K_2TiF_6 by NMR method 9—99788

Moskvich, Yu.N. *see* Sukhovskii, A.A. 9—60275

Moskvin, A.S. Determination of the parameters of the interaction between rare-earth and iron ions in orthoferrites 9—73705

Moskvin, A.S., Sinitsyn, E.V., Smirnov, A.Yu. Magnetic dipole anisotropy and magnetostriction of rare-earth orthoferrites 9—73710

Mosleh, A. *see* Apostolakis, G. 9—54526

Mosnier, J. *see* Babour, K. 9—74832

Moss, A.A. *see* Goldberg, H.I. 9—92310

Moss, D. Magnetic fields in white dwarfs 9—53811

Moss, G. Simple and truly aseptic catheterization of females 9—79674

Moss, G.A. *see* Greeniaus, L.G. 9—75961

Moss, J.B. *see* Champion, M. 9—64792

Moss, L. *see* del Papa, C. 9—49528

Moss, O.R. *see* Allen, M.D. 9—67853

Moss, R.E. *see* Gonsalves, J.W. 9—54985

Moss, S.C. *see* Huang, H.W. 9—66459

Moss, S.C. *see* Jo, H.S.U. 9—60358, 9—95159, 9—95160

Moss, S.C. *see* Warburton, W.K. 9—77558

Moss, T.A. Research reactor fuel fabrication 9—49822

Moss, W.C. *see* Hoover, W.G. 9—55742

Mossberg, B. *see* Igo, G. 9—80916

Mossberg, T., Flusberg, A., Kachru, R., Hartman, S.R. Total scattering cross section for Na on He measured by stimulated photon echoes 9—76503

Mossberg, T. *see* Flusberg, A. 9—72409

Mossberg, T.W., Kachru, R., Whittaker, E., Hartmann, S.R. Temporally recurrent spatial ordering of atomic population in Gases: grating echoes 9—98447

Mossberg, T.W. *see* Kachru, R. 9—81258

Mosselman, C. *see* Jochems, R. 9—75529

Mosseri, R., Dixmier, J., Sella, C. X-ray diffraction study of the effect of hydrogen atoms on the Si-Si atomic short-range order in amorphous silicon 9—64996

Mossino, J. A priori estimation and rearrangement in a plasma physics problem 9—55450

Mossman, P. *see* Cundy, S.L. 9—64358

Mossner, W.R. Mechanical properties of controlled-porosity 316 stainless steel 9—96083

Mossop, S.C. Some factors governing ice particle multiplication in cumulus clouds 9—58035

Mossur, A.G. *see* Mel'nik, M.T. 9—83184

Mostafa, M. *see* Smit, J.J. 9—61187

Mostafa, M.A. *see* Stetsenko, P.N. 9—78335

Mostaghel, N., Ahmadi, G. Smooth site dependent spectra 9—76086

Mosteller, R.D., Andrews, W.M., Ozer, O., Eich, W.J. Plutonium isotopic calculations for a modern light water reactor 9—59126

Mosteller, R.D., Nguyen, T.D., Finn, S.P., Hagan, W.K. Impact of uranium/plutonium coprocessing on ore, conversion, and enrichment costs 9—89475

Mosteller, R.D. *see* Eich, W.J. 9—67840

Mosteller, R.D. *see* Hammelman, J.E. 9—89419

Mostepanenko, V.M. Stress-energy tensor of particles created from vacuum by a homogeneous electric field 9—80779

Mostepanenko, V.M. *see* Grib, A.A. 9—89079, 9—97523

Mostin, N. *see* Renard, A. 9—49798

Mostoller, M., Kaplan, T. Elementary excitations in the surface region of a semi-infinite solid 9—60618

Mostoller, M., Kaplan, T. Coherent locator approach to lattice vibrations in alloys with diagonal and geometrically-scaled off-diagonal disorder 9—73279

Mostovaya, T.A., Mostovoi, V.I., Melekhov, V.V. Possibility of substantially reducing the Doppler broadening of resonance levels in neutron spectroscopy 9—97932

Mostovoi, A.S. Determining the endurance of specimens and structures in random loading by means of dimensionless curves of damageability 9—96141

Mostovoi, V.I. *see* Lysov, V.V. 9—71925

Mostovoi, V.I. *see* Mostovaya, T.A. 9—97932

Mostovoi, Yu.A. *see* Afonin, A.I. 9—68137

Mostovoi, Yu.A. *see* Erozolimskii, B.G. 9—97625

Mostovyak, I.V. The use of symmetrical components for finding the roots of a cubic equation 9—62993

Mostow, G.D. Existence of a nonarithmetic lattice in SU(2,1) 9—88890

Mostowski, J., Sanchez-Mondragon, J.J. Interaction of highly excited hydrogen atoms with a resonant oscillating field 9—76371

Mostowski, J. *see* Raymer, M.G. 9—81486

Moszkowski, S.A. Comparison of two-dimensional boson and variable-moment-of-inertia models 9—67633

Moszkowski, S.A. Derivation of the surface delta interaction 9—67672

Moszkowski, S.A. Two-dimensional boson model 9—67691

Moszkowski, S.A., Hausman, R.F., Bloom, S.D. Perturbation of linearly transformed energy spectra of configuration mixing 9—59034

Moszkowski, S.A. *see* Chai, J. 9—67671

Mota, A.C., Hoyt, R.F., Wohlleben, D.K. Ultralow interaction temperatures and crystal field effects for Gd impurities in YPd_3 and $CePd_3$ 9—61100

Motamed, M., Chan, C.K. Pressure transients in BWR turbine valve closure 9—89441

Mote, C.D., Jr. *see* Cho, H.S. 9—50503

Mote, C.D., Jr. *see* Hull, M.L. 9—96608

Motley, R.W., Bernabei, S., Hooke, W.M., McWilliams, R., Olson, K. Penetration of slow waves into an overdense plasma 9—64882

Moto-Oka, N. *see* Yokota, M. 9—99396

Motoc, C., Savin, O., Baciu, I. Mesomorphic properties of some sitosteryl esters 9—90539

Motoc, C. *see* Honciuc, M. 9—64988

Motoda, H. *see* Kiguchi, T. 9—97859

Motogi, S. Interactions between spin waves and elastic waves in one-domain ferromagnetic insulators 9—73700

Motohashi, T. A higher-order nonlinear interaction among spectral components 9—72894

Motohashi, Y. Anisotropy of elastic and plastic properties for dislocations in crystalline materials 9—95069

Motohashi, Y., Shibata, T. Tensile deformation characteristics of a Zn-22 wt.% Al eutectoid alloy at temperatures below room temperature 9—90714

Motohasi, Y., Blanchin, N.G., Vicario, E., Fontaine, G., Otake, S. Elastic parameters, elastic energy, and stress fields of dislocations in TiO_2 rutile crystals 9—95008

Motojima, K., Tachikawa, E., Kamiyama, H. Adsorption of radionuclides in waste water on oxine-impregnated activated charcoal. Adsorption characteristics of manganese-54 ion 9—89394

Motojima, O. Heliotron E project 9—99002

Motojima, O., Iiyoshi, A., Uo, K. Joule current inhibition in the Heliotron D device 9—99001

Motojima, O. *see* Uo, K. 9—81077

Motojima, S., Haguri, K., Takahashi, Y., Sugiyama, K. Chemical vapor deposition of nickel phosphide Ni_2P 9—66009

Motojima, S., Kani, E., Takahashi, Y., Sugiyama, K. Impurity activated whisker growth of zirconium nitride by chemical vapour deposition 9—66010

Motojima, S. *see* Sugiyama, K. 9—61509

Motokawa, M. *see* Adachi, K. 9—91253

Motonaga, S. *see* Kamitsubo, H. 9—54662

Motonaga, S. *see* Wada, T. 9—54614

Motooka, T., Fukuhara, A. Twofold orientations and hysteresis properties of nematic liquid crystals in strong magnetic fields 9—82146

Motooka, T., Fukuhara, A., Suzuki, K. Freedericksz transition and anchoring effects in the oblique configuration of a nematic liquid crystal 9—55652
Motosugi, G. *see* Kagawa, T. 9—71527
Motoya, Y. *see* Konishi, K. 9—84227
Motozato, Y., Hirayama, C., Suga, M., Iwamoto, T. G.p.c. behaviour of hydrophobic beads with a double layer structure 9—66386
Motozima, K., Fujitsuka, A., Yamasaki, A., Kobuku, N. Report on temperature and humidity data. I. 1971-1975 9—70874
Motrenko, E.I., Lyasin, V.F., Agarkov, A.S. Optimizing the properties of glass in an SiO_2-R_2O-RO system 9—91611
Motsnyi, F.V. *see* Lisitsa, M.P. 9—51994
Mott, N.F. Some comments and suggestions on the Hall effect in non-crystalline systems 9—51610
Mottelson, B.R. *see* Bohr, A. 9—71782
Mottier, F.M. Microprocessor-based automatic heterodyne interferometer 9—85174
Mottironi, P. *see* Alessio, L. 9—70669
Mottley, C. *see* Kispert, L.D. 9—95686
Mottola, E. Normalizable solutions to the Dirac equation in the presence of a magnetic monopole 9—67488
Mottram, D.A.J. *see* Eardley, G. 9—77440
Mottram, J.D., Northrop, D.C., Reed, C.M., Thanailakis, A. Metal contacts to oxygen-contaminated silicon surfaces 9—56309
Motulevich, G.P. *see* Belenov, E.M. 9—51727
Motulevich, G.P. *see* Golovashkin, A.I. 9—69620
Motulevich, G.P. *see* Levchenko, I.S. 9—95540
Motylev, S.L. *see* Korobkin, V.V. 9—77411
Motz, H. Is the free-electron laser a laser? 9—59665
Motz, L., Epstein, J. The gravitational charge $^1/_2\sqrt{\hbar c}$ as a unifying principle in physics 9—63400
Motzkin, D., Kraiem, Z., Reichert, A., Gavish, B. Computer-based interpretation of clinical laboratory tests 9—74770
Motzny, S. *see* Liukkonen, E. 9—54667
Mou Chung Yuan *see* Chung Yuan Mou
Moucharafieh, N., Friberg, S.E. A first comparison between aqueous and nonaqueous lyotropic liquid crystalline systems 9—60266
Moucharafieh, N., Friberg, S.E., Larsen, D.W. Effects of solubilized hydrocarbons on the structure and the dislocation pattern in a lamellar liquid crystal 9—94885
Mouchart, J., Begel, J., Chalot, S. Thin film optical coatings. VII. Two-layer coatings close to antireflection 9—64301
Mouchet, A. *see* Knight, L.B., Jr. 9—76455
Moucka, M. *see* Zidek, A. 9—79002, 9—91711
Mouduit, B. Legros-de *see* Legros-de Mouduit, B.
Mouel, J.L. Le *see* Le Mouel, J.L.
Mougey, J. ^{3}He(e,e'p): a proposed experiment 9—71849
Mougey, J. (e,e'p) reactions at Saclay. Experimental aspects 9—72035
Mougey, J. *see* Royer, D. 9—67747
Mould, J., Aaronson, M. Carbon stars in the globular clusters of the Magellanic Clouds 9—101143
Mould, R.F. Stimulation of the retina by radium 9—71213
Moulden, T.H. Comments on an exact solution of the Falkner-Skan equation 9—98680
Moulder, J.C. *see* Ledbetter, H.M. 9—51407
Moulds, C.W., Atkas, J.P. Control system for the benchless laser structural model 9—81464
Moulem-Maron, D., Sideman, S., Horn, H. Enhanced film mass transfer coefficients on grooved horizontal conduits 9—72947
Mouli, V.C., Sastry, G.S. ESR studies on diaquobis (2,3-dihydroxy-2-methyl propanoato) copper(II) single crystal 9—82861
Moulin, G., Aucouturier, M., Lacombe, P. Experimental study of the penetration of sulphur into Ni-Cr-Fe (77/16/7) alloys of the Inconel 600 type. I. Sulphur penetration leading to sulphide formation 9—74306
Moulin, G., Aucouturier, M., Lacombe, P. Experimental study of the penetration of sulphur into Ni-Cr-Fe (77/16/7) alloys of the Inconel 600 type. II. Diffusion of sulphur in atomic form 9—74307
Moulin, J.P. *see* Bathellier, A. 9—85811
Moulin, P., Huntz, A.M., Lacombe, P. Influence of carbon on the volume and grain boundary diffusion of chromium and nickel in the alloy Ni-Cr 80/20 9—95203
Moulin, P. *see* Armanet, F. 9—79165
Moulinet, M. *see* Laforie, P. 9—90007
Moulsley, T.J., Cole, R.S. High frequency atmospheric acoustic sounders 9—84489
Moulson, A.J. Reaction-bonded silicon nitride: its formation and properties 9—56947
Moulton, G.C. *see* Finch, L.L. 9—65764
Moulton, P.F. *see* Ehrlich, D.J. 9—72574
Moum, J.N., Kawall, J.G., Keffer, J.F. Structural features of the plane turbulent jet 9—77208
Mouney, H. *see* Khairallah, A. 9—63723
Mount, R. *see* Blanar, G. 9—76285
Mountain, D.C. *see* Hubbard, A.E. 9—96566, 9—96567
Mountain, R.D. Model study of fluctuations and switching in amorphous semiconductors 9—87133
Mountain, R.D. *see* Raveche, H.J. 9—60251
Mountfield, K.R. *see* Martin, R. 9—56230
Mountford, P.J., Chettle, D.R., Fremlin, J.H., Thomas, B.J. Low energy component of the spectra of fast neutron beams in clinical use 9—49899
Mountford, R.A., Atkinson, P. Doppler ultrasound examination of pathologically enlarged lymph nodes 9—62311
Mountford, W.H. Energy sources—which way to go? 9—57347
Mountrakis, D. *see* Papazachos, B. 9—84166
Mourad, A.G., Robinson, A.C. Applications of SEASAT to the offshore oil, gas, and mining industries 9—80044
Mouravova, Ye.A. *see* Malahoff, A. 9—53331
Mouring, R.W. *see* Page, R.J. 9—49763
Mourino, M., Lobl, H., Paulin, R. Profiles and absorption coefficients of positrons implanted in solids from radioactive sources 9—55781
Mouritsen, O.G., Jensen, S.J.K. Experimental investigation of the logarithmic correction to the mean-field order parameter of the four-dimensional Ising ferromagnet 9—73754
Mouritsen, O.G. *see* Knak Jensen, S.J. 9—82805
Mourlevat, J.K. *see* Bouteille, F. 9—97844
Mourre, E. Link between the geometrical and the spectral transformation approaches in scattering theory 9—80459
Mousa, E.A., Ruiz, C. Stresses in cylindrical tanks due to uneven circumferential settlement 9—68588
Mouschovias, T.Ch., Paleologou, E.V. The angular momentum problem and magnetic braking: an exact, time-dependent solution 9—62884
Mousehegian, G., Rupert, A.L., Stillman, R.D. Evaluation of frequency-following potentials in man: masking and clinical studies 9—70553
Moussa, F. *see* Benattar, J.J. 9—86863
Moussa, F. *see* Cailleau, H. 9—51255, 9—86887
Moussa, P. *see* Barnsley, M. 9—61026
Moussalli, G. *see* Reboul, J.-P. 9—56275
Moustafa, A.G. *see* Conan, A. 9—91047
Moustafa, K.A.F. *see* Akashi, H. 9—57545
Moustafa, S.M.A., Brusewitz, G.H., Farmer, D.M. Direct use of solar energy for water desalination 9—87973
Moustakas, T.D. Sputtered hydrogenated amorphous silicon 9—78889
Mousty, F., Toussiant, J., Godfrin, J., Girard, F. Separation of the actinides in high activity liquid waste. The OXAL process 9—85813
Mouton, B. *see* Brunet, P. 9—72052
Moutzouris, C., Marcou, C. The effect of a flat, sloping seashore on incoming waves: deterministic description of breaking waves 9—66707
Mouzourakis, P. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Movaghar, B., Sauer, G.W. On the theory of the electrical conductivity of disordered systems in the tight-binding approximation 9—60778
Movaghar, B. *see* Bachus, R. 9—61216
Movchan, V.I. *see* Bunin, K.P. 9—52208, 9—52449
Movchan, V.T., Zakharyugin, B.D. Calculating the turbulent boundary layer on a flat plate by the straight line method 9—90234
Movre, M. *see* Klyucharev, A.N. 9—76388
Movsesyan, M.E. *see* Dabagyan, A.A. 9—68327
Movsesyan, R.E. *see* Dabagyan, A.A. 9—68327
Movshon, J.A., Lennie, P. Pattern-selective adaptation in visual cortical neurones 9—53090
Mow, V.C. *see* Kuei, S.C. 9—92264
Mow, V.C. *see* Lai, W.M. 9—62285
Mower, C. *see* Bertuccio, T. 9—54702
Mowery, R.L., Miller, J.C., Krausz, E.R., Schatz, P.N., Jacobs, S.M., Andrews, L. Magnetic circular dichroism of the $^1S \rightarrow {}^1P$ transition of Mg atoms in noble gas matrices 9—68248
Moxham, R.M. *see* Tanner, A.B. 9—53571
Moya, J. *see* Ojeda-Castaneda, J. 9—55064
Moya, M.M., Helman, J.S. Analytical and numerical solution of the Schrodinger equation for a surface potential barrier including spin-orbit interaction 9—58492
Moyer, C.A. *see* Kemeny, T. 9—73750
Moyer, K.H. Effects of porosity on magnetic properties 9—96159
Moyer, M.W., Donsbach, D.L. Ultrasonic inspection using the pitch-catch technique 9—91874
Moyer, R.F. Systematic patient-dose errors for 4- and 10-MeV microwave linear accelerators associated with rectangular collimator settings 9—92387
Moyes, A.B. *see* Whitley, J.E. 9—88492
Moyes, W. *see* Palmer, M.H. 9—49937
Moyle, D.D., Welborn, J.W., III, Cooke, F.W. Work to fracture of canine femoral bone 9—57687
Moyle, R.A. *see* Lambert, J.M. 9—75863
Moynihan, C.T. *see* Kilroy, W.P. 9—61919
Moynihan, P.F. *see* Feldman, C.L. 9—70598
Moynot, B. *see* Albuisson, M. 9—62422
Mozalevskii, I.A. *see* Balbekov, V.I. 9—63829
Mozer, F.S., Torbert, R.B., Fahleson, U.V., Falthammar, C.-G., Gonfalone, A., Pederson, A., Russell, C.T. Direct observation of a tangential electric field component at the magnetopause 9—70930
Mozer, F.S. *see* Cattell, C. 9—100999
Mozer, F.S. *see* Holzworth, R.H. 9—101022
Mozgirs, V.Ya. *see* Avotin'sh, Yu.E. 9—93202
Mozgova, M.N. *see* Brilingas, A. 9—65518
Mozgovoi, A.G. *see* Petukhov, V.A. 9—55905
Mozhaev, A.P., Oleinikov, N.N., Shumilkin, N.S., Zhukov, V.V. Conditions for obtaining high-density one-phase magnetic ceramic based on lithium-containing ferrites 9—52141
Mozhaev, A.V. *see* Konradi, G.G. 9—52436
Mozhaev, V.K. *see* Dulin, V.A. 9—63678
Mozharov, M.V. *see* Petrichenko, A.M. 9—96089
Mozharovksii, N.S., Bobyr', N.I. Influence of the form of the stress state on the characteristics of creep and plasticity of a material in relation to the form of the cycle of change in stress intensity 9—87694
Mozharovskii, A.M. *see* Blazhenkov, V.V. 9—64266
Mozharovskii, A.M. *see* Kirkin, A.N. 9—89932
Mozley, R. *see* del Papa, C. 9—49528
Mozley, R.F. *see* Hill, D.G. 9—71744
Mozok, S.F. *see* Kravchuk, L.A. 9—73052
Mozol', P.E. *see* Borsht, V.V. 9—95446
Mozol'kov, A.S. *see* Zakharchenko, V.M. 9—77298
Mozolowski, M.H., Dennis, R.B., MacKenzie, H.A. The external-resonator CW spin-flip Raman laser; output characteristics and spectroscopic applications 9—72571
Mozumder, A., Arya, N.S., Goyal, D.P., Sengupta, P.K., Singh, S. Rapidity gap correlations in 50 GeV/c π^-—N interactions 9—93469
Mozumder, A. *see* Sengupta, P.K. 9—63547, 9—93471
Mozurkewich, G., Ringermacher, H.I., Bolef, D.I. Effect of demagnetization on magnetic resonance line shapes in bulk samples: Application to tungsten 9—95654
Mracek, F. Development trends in the evaluation of factors influencing picture sharpness 9—50235
Mracek, F. Parameters for evaluation of the influence of transfer components on picture sharpness 9—71552
Mrevlishvili, G.M., Dzhaparidze, G.Sh., Sokhadze, V.M., Chanchalashvili, Z.I., Bilinska, B. Microcalorimetric investigation of the thermodynamic values of the phase transition of water and the fusion of eutectics in binary and tertiary systems Na-DNA-H_2O and Na-DNA-H_2O-NaCl 9—79448
Mrevlishvili, G.M., Sharimanov, Yu.G. Investigation of the phasic transition of water in the system collagen-water by the methods of calorimetry and NMR 9—62167
Mrevlishvili, G.M., Sharimanov, Yu.G. Investigation of hydration and intramolecular fusion of collagen by the NMR and calorimetry methods 9—79451
Mrha, J. *see* Musilova, M. 9—52926
Mrkvickova, L. *see* Janca, J. 9—92037
Mroczkowski, M. *see* Kaliski, S. 9—50884
Mrosan, E. *see* Mertig, I. 9—90946
Mrosan, E. *see* Muller, C. 9—51480
Mrosan, E. *see* Schopke, R. 9—69953
Mrose, H.E. *see* Chiu, S.Y. 9—62235
Mrowca, J.J. *see* Monroe, B.M. 9—94028
Mrowczynski, G., Szklarska-Smialowska, Z. Electrochemical and ellipsometric study of iron corrosion inhibition in sodium sulphate solutions containing aliphatic acids 9—74309
Mrowec, S. Mechanism of metal oxidation in composite atmospheres 9—79142
Mrowec, S. Oxidation of electrical resistance alloys 9—79143
Mrowka, S. *see* Speer, R.J. 9—76891
Mroz, J. *see* Poprawski, R. 9—78637
Mroz, S. On the structure of the sulphur layer adsorbed on the (110) nickel face 9—73407
Mroz, Z. *see* Masur, E.F. 9—72794
Mrozinska, A., Przystawa, J., Solyom, J. First-order antiferromagnetic transition in CrN 9—61132
Mrozinska, Z. *see* Jakubczak, J. 9—78407
Mrozinski, J. *see* Jezowska-Trzebiatowska, B. 9—90621, 9—91046
Mrozowski, S. Specific heat anomalies and spin-spin interactions in carbons: A review 9—69261
Mrugala, R. Geometrical formulation of equilibrium phenomenological thermodynamics 9—54088
Mruz, Z., Lepik, Yu.R. Optimal design of construction elements in the case of impulsive loading 9—86382
Mrygon, B., Wojtczak, L. Scaling hypothesis with a finite correlation length at the phase transition point 9—73743
Mrygon, B. *see* Maszkiewicz, M. 9—95595
Msezane, A.P. *see* Callaway, J. 9—68318
Mstibovskaya, L.E., Romashchenko, Yu.N., Brytov, I.A. Use of the 4d X-ray spectra in investigation of the chemical binding in Gd compounds 9—69910

Msu-Pin-Pin *see* Tai Chang-ta 9—53551
Mtingwa, S.K. Convergence and analytic properties of manifestly finite perturbation theory 9—71600
Mtskeradze, G.Sh., Doroshkin, A.A., Klimov, I.I., Kompanets, I.N., Mazur, A.I., Semochkin, P.N. Recording of holograms with a liquid-crystal-controlled transparency of 128×128 element capacity 9—50254
Mu Hong Sung *see* Hong Sung Mu
Mu Lee Chong *see* Chong Mu Lee
Mu-Lin Yan *see* Yan Mu-Lin
Mu-Ming Poo, Lam, J.W., Orida, N. Electrophoresis and diffusion in the plane of the cell membrane 9—57599
Mualem, Y., Morel-Seytoux, H.J. Analysis of a capillary hysteresis model based on a one-variable distribution function 9—53386
Mubarak, A. *see* Hageman, L. 9—83521
Mucci, J.F., March, N.H. Theory of the deviation from the Ruedenberg energy relation for molecules 9—93909
Muccillo, R., Campos, L.L. Thermally stimulated depolarization currents in ceramic ThO_2 9—65792
Muccio, D.D., Cassim, J.Y. Interpretation of the absorption and circular dichroic spectra of oriented purple membrane films 9—83708
Muchnaya, M.I. *see* Vetlutskii, V.N. 9—64733
Muciek, A., Zborucki, A. Comparison of inductance with capacitance standards using transformer ratio bridge 9—80645
Mucke, U., Horte, C.-H., Wiegmann, J. Programme for evaluating quantitative microscopic measurements using the EPIQUANT automatic structure analyzer 9—83409
Muckenthaler, F.J., Hull, J.L., Manning, J.J. The GCFR grid-plate shield design experiment 9—59226
Muckerman, J.T., Faist, M.B. Rate constants from Monte Carlo quasi-classical trajectory calculations. A procedure for importance sampling 9—74366
Muckerman, J.T. *see* Faist, M.B. 9—85919, 9—85920
Mucklich, A., Tobisch, J., Kleinstuck, K. The development of the rolling texture of FCC metals dependent on relative stacking-fault energy 9—52237
Mucklich, A., Tobisch, J., Kleinstuck, K., Hennig, K. Investigations into the development of rolling texture of some FCC metals 9—87657
Mucklich, A. *see* Schreiter, U. 9—91692
Mucklich, A. *see* Truszkowski, W. 9—91882
Mudge, P.J. *see* Jessop, T.J. 9—87812
Mudie, P.J. *see* Vilks, G. 9—79891
Mudrenko, G.A. *see* Dobatkin, V.I. 9—70053
Mudrolyubov, V.G. *see* Bogdanov, P.V. 9—54656
Mudrolyubov, V.G. *see* Vorogushin, M.F. 9—81347
Mudry, F., Rieu, J., Amzallag, C., Rabbe, P. Critical study of the determination of the non-cracking threshold ΔK_I in a steel for nuclear reactor cells 9—52367
Mudryi, S.I. *see* Dutchak, Ya.I. 9—77494
Muehlhauser, J.W. *see* Chapman, J.N. 9—52950
Muehlhauser, J.W. *see* Strom, S.S. 9—52947
Muehlner, D.J. *see* Khan, M.A. 9—89960
Muehlner, D.J. *see* Kingston Owens, D. 9—97045
Muelhaupt, G. *see* Einfeld, D. 9—68021
Mueller, A.H. *see* Gupta, S. 9—89128
Mueller, B.A. *see* Storms, E.K. 9—87556
Mueller, C. *see* Vaurio, J.K. 9—54552
Mueller, C.J., Bowers, C.H., Dickerman, C.E. Experimentally based limits on SAREF test-fuel-motion reactivity feedback 9—49775
Mueller, C.J. *see* Rose, D. 9—49773
Mueller, F.M. *see* Arko, A.J. 9—56116, 9—65369
Mueller, F.M. *see* Van Kessel, A.T. 9—56120
Mueller, G. *see* Froehlich, G. 9—54550
Mueller, G. *see* Moennich, E. 9—85683
Mueller, G.E., Sanders, R.C. Analysis of a LOCA for a consolidated nuclear steam system 9—49729
Mueller, G.W. *see* Dorko, E.A. 9—96301
Mueller, H.A. *see* Moon, M.E. 9—53114
Mueller, J.R., Greenler, R.G., Mallmann, A.J. Arcs of Lowitz 9—96820
Mueller, M. *see* Hannon, J.P. 9—93267
Mueller, M.H., Brun, T.O., Hitterman, R.L., Knott, H.W., Satterthwaite, C.B., Ellis, T.E. Deuteron density modulation of D atoms in PdD_{1-x} 9—99101
Mueller, M.H. *see* Brun, T.O. 9—94962
Mueller, M.H. *see* Clausing, A.M. 9—83636
Mueller, M.H. *see* Faber, J. 9—99221
Mueller, M.H. *see* Kajitani, T. 9—94945
Mueller, N.P. *see* Meyer, C.E. 9—54559
Mueller, P. *see* Spencer, C.D. 9—58490
Mueller, P.F. *see* Caulfield, H.J. 9—76628
Mueller, R.K., Kaveh, M., Wade, G. Reconstructive tomography and applications to ultrasonics 9—66578
Mueller, R.K., Rylander, R.L. New demodulation scheme for laser-scanned acoustical-imaging systems 9—59826
Mueller, R.K. *see* Kaveh, M. 9—70593
Mueller, R.O. *see* Asbury, J.G. 9—57407
Mueller, Th. *see* Einfeld, D. 9—68021
Mueller, T.J. *see* Lloyd, J.R. 9—62198
Mueller-Helsa, H. *see* Euler, K.-J. 9—100501
Muenow, D.W. *see* Garcia, M.O. 9—92535
Muenter, J.S. *see* Odutola, J.A. 9—72371
Muenzer, W.A. *see* Marion, R.H. 9—67856
Muething, K.A. *see* Edwards, D.O. 9—69312
Muffler, L.J.P., Christiansen, R.L. Geothermal resource assessment of the United States 9—70428
Mufson, S.L., Liszt, H.S. The H II region-molecular cloud complex W51 9—97048
Mugge, M. *see* Clark, A.R. 9—75779
Muggianu, Y.M. *see* Eslami, H. 9—66336
Mugglestone, P.R. *see* Daneshyar, H. 9—94597
Muggleton, A.H.F. Semiconductor X-ray spectrometers 9—80733
Muggleton, A.H.F. Preparation of thin nuclear targets 9—85201
Mughal, S.A. *see* Tirmazi, S.H. 9—91335
Mughrabi, H. Plateaus in the cyclic stress-strain curves of single- and polycrystalline metals 9—79054
Mugibayashi, N. *see* Kako, F. 9—62999
Mugnai, A., Petroncelli, P., Fiocco, G. Sensitivity of the photodissociation of NO_2, NO_3, HNO_3 and H_2O_2 to the solar radiation diffused by the ground and by atmospheric particles 9—58045
Mugnoli, A. *see* Fornasini, M.L. 9—99118
Mugur-Schachter, M. Study of Wigner's theorem on joint probabilities 9—67175
Muhl, S. *see* Collins, R.A. 9—79160
Muhleman, D.O. *see* Pechmann, J.B. 9—70981
Muhleman, D.O. *see* Schloerb, F.P. 9—96962, 9—96963
Muhlig, P. *see* Wiedemann, B. 9—66588
Muhll, R.Von Der *see* Von Der Muhll, R.
Muhs, A.G. *see* Kostuk, R.K. 9—79695
Muhuri, P.K. Free convection boundary layer on a flat plate due to small fluctuations in surface temperature 9—64663
Mui, J. *see* Wechsler, H. 9—100737
Muir, A.J. Analysis of inorganic ions by ion chromatography 9—83538
Muir, D.C.F. *see* Emmett, P.C. 9—96719
Muir, J.A. *see* McElearney, J.N. 9—60337
Muir, M.S. A possible mechanism linking solar events and terrestrial weather 9—79982
Muir, T.L. Discrimination between extrusive and intrusive Archean ultramafic rocks in the Shaw Dome area using selected major and trace elements 9—84256
Muir, W.B. *see* Baibich, M.N. 9—99535
Muir, W.B. *see* Burch, T.J. 9—69732
Muir, W.B. *see* Cochrane, R.W. 9—60783
Muirhead, C.M. *see* Forgan, E.M. 9—51788, 9—61158
Muirhead, H. *see* Stenbacka, R. 9—63507
Muiste, U. *see* Kleis, I. 9—79123
Muizon, M.De *see* De Muizon, M.
Mujib, F., Shoeb, M., Usmani, Q.N., Khan, M.Z.R. Effective lambda-nucleon potentials 9—85394
Mujib, F. *see* Shoeb, M. 9—85395
Mujibur, Rahman, S.M. *see* Evans, R. 9—99292
Mukai, J., Matsui, Y., Harumoto, I. Effects of aspheric surfaces on optical performance and their application to lenses for 35 mm cinematography 9—89021
Mukai, K., Kobayashi, I. Effects of applied polarization potential on wetting of solid platinum by molten silicate 9—51394
Mukai, S., Makita, Y., Gonda, S. Doping and electrical properties of Mg in LPE $Al_xGa_{1-x}As$ 9—78117
Mukai, S., Mukai, T. Interpretation of the infrared polarization of Venus 9—53745
Mukai, S. *see* Ueno, S. 9—58092
Mukai, T. *see* Machida, S. 9—50385
Mukai, T. *see* Mukai, S. 9—53745
Mukai, T. *see* Yamada, J. 9—98418
Mukaiyama, T. *see* Yaakobi, B. 9—54598
Mukamel, D. *see* Bak, P. 9—69243, 9—69244
Mukamel, D. *see* Emery, V.J. 9—95350
Mukamel, D. *see* Kerszberg, M. 9—78398, 9—82312
Mukamel, S. Multiphonon theory of scattering of atoms from solid surfaces: tetradic scattering approach 9—56905
Mukamel, S. Stochastic reduction for molecular multiphoton processes 9—81246
Mukamel, S. On the derivation of rate equations for collisionless molecular multiphoton processes 9—98173
Mukashev, B.N., Nussupov, K.H., Tamendarov, M.F. New infrared absorption bands in hydrogen-implanted silicon 9—87472
Mukerjee, R.C. *see* Srivastava, R.D. 9—74287
Mukhai, A.N. *see* Morozov, V.G. 9—73663
Mukhamadiyarov, Kh.G. *see* Bedretdinov, Z.M. 9—55585
Mukhamedgalieva, A.F., Vasil'eva, G.L., Gasoyan, M.S., Tyutneva, G.K. Spectroscopic investigation of a laser jet on the surface of fused quartz and silicon-containing minerals 9—94271
Mukhamedov, A.A. Some characteristics of structural inheritance during phase recrystallization of steel 9—57017
Mukhamedshina, N.M. *see* Blinkov, D.I. 9—52531
Mukhamedyarov, R.D., Kharisov, R.I. Controlling the direction-finding sensitivity of optoelectronic systems with a symmetrical input 9—50401
Mukhamedyrov, R.D., Skorik, A.I., Kholodova, N.S., Sharf, E.M. Estimate of the accuracy in the determination of the spatial location of an object 9—49200
Mukhamyankaka, D., Bambanza, D. An investigation of the low-cycle fatigue of high-strength nodular iron 9—57112
Mukhamyankaka, D.Bambanza *see* Bambanza Mukhamyankaka, D.
Mukhenberg, K.M. Determining the width of Roentgenographic peaks and their mutual overlapping 9—86649
Mukherjee, A., Sural, D.P. An integral approach to the second-order potential method: electron and positron scattering by hydrogen, helium and lithium 9—72419
Mukherjee, A.K., Narasimham, A.L., Sivaramakrishnan, T.R., Gupta, H.V. Swells over Bombay High area due to storms in the Arabian Sea 9—100845
Mukherjee, A.K. *see* Arieli, A. 9—74222
Mukherjee, A.K. *see* Vandervoort, R.R. 9—74221
Mukherjee, D. Mixed boundary value problem for elliptic stamp 9—75342
Mukherjee, D., Mukherjee, P.K. A response-function approach to the direct calculation of the transition-energy in a multiple-cluster expansion formalism 9—72293
Mukherjee, D. *see* Deb, S. 9—61986
Mukherjee, D. *see* Williams, D. 9—83138
Mukherjee, M.K., Das, A.K. A diagnostic study on the polycrystalline nature and its relationship with the yield of CdS solar cell 9—62005
Mukherjee, M.K. *see* Deb, S. 9—61986
Mukherjee, M.L., Bose, H.N. Formation of colloid centres in pure and doped KCl single crystals 9—78710
Mukherjee, M.L. *see* Acharya, B.S. 9—83041
Mukherjee, M.L. *see* Sinha, R.K. 9—99955
Mukherjee, M.N. On life time broadening and its effect on T_c of A-15 superconductors 9—65577
Mukherjee, P. *see* Dasmahapatra, B.K. 9—59038
Mukherjee, P. *see* Tibarewala, D.N. 9—70725
Mukherjee, P.K. *see* Mann, D.S. 9—92661
Mukherjee, P.K. *see* Mukherjee, D. 9—72293
Mukherjee, P.N. *see* Saran, T. 9—52786
Mukherjee, P.S., Bhattacherjee, S., Vijaysree, G. High temperature phases in fibrous tremolite 9—77742
Mukherjee, R.K. *see* Ghosh, D. 9—95582
Mukherjee, S. *see* Deb, S. 9—61986
Mukherjee, S.C. *see* Sur, S.K. 9—54959
Mukherjee, S.D., Morgan, D.V., Howes, M.J., Smith, J.G., Brook, P. Reactions of vacuum-deposited thin Schottky barrier metallizations on gallium arsenide 9—78153
Mukherjee, S.D., Morgan, D.V., Howes, M.J., Smith, J.G., Brook, P. The thermal reactions of thin (approximately 100 nm) Schottky barrier metallizations with GaAs 9—78176
Mukherjee, S.K., Rogalla, D. The effect of the condensation temperature on the formation of metastable phases in vapour-deposited Fe-Ni-Cr films and their magnetic properties 9—65700
Mukherjee, S.K. *see* Bhattacharyya, P. 9—67713
Mukherjee, S.K. *see* Gnugesser, E. 9—57442
Mukherjee, S.P., Zarzycki, J. Microstructures and crystallization behavior of gels in the system La_2O_3-SiO_2 9—61913
Mukherjee, T. *see* Wani, A.M. 9—52704
Mukherji, S. *see* Dwivedi, K.K. 9—59319
Mukhin, A.A. *see* Belov, K.P. 9—61105, 9—61107
Mukhin, A.I. *see* Baranov, D.S. 9—54334
Mukhin, A.I. *see* Bozhko, N.I. 9—97936
Mukhin, A.I. *see* Bugorskii, A.P. 9—68119
Mukhin, A.I. *see* Burgorskii, A.P. 9—97641
Mukhin, A.I. *see* Ermolov, P.F. 9—49511
Mukhin, E.N. *see* Davydov, R.M. 9—70506
Mukhin, K.N. *see* Bel'kov, A.A. 9—71763
Mukhin, L.M. *see* Gel'man, B.G. 9—66948
Mukhin, L.M. *see* Gerasimov, M.V. 9—92842, 9—101099
Mukhin, S.V. *see* Zamolodchikov, A.B. 9—97734
Mukhin, V.A. *see* Dzhelyadin, R.I. 9—67556
Mukhin, V.A. *see* Golovkin, S.V. 9—89212
Mukhin, V.A. *see* Victorov, V.A. 9—67546
Mukhina, E.G. *see* Vidro, G.I. 9—67376
Mukhmarov, Ch.K. *see* Klinkov, V.K. 9—99856
Mukhopadhyay, D., Bhattacharya, D.P. High-field conductivity characteristics of zinc oxide 9—91056
Mukhopadhyay, K. *see* Saha, H. 9—61990
Mukhopadhyay, M. A semi-analytic solution for free vibration of annular sector plates 9—81761
Mukhopadhyay, N.C., Hadermann, J., Junker, K. Theory of nuclear fission by stopped pions 9—59097
Mukhopadhyay, N.C., Hintermann, A. Repolarization of atomic muons by polarized nuclei of arbitrary spin 9—94112
Mukhopadhyay, N.C., Toki, H., Weise, W. Spin-isospin polarizability of nuclear matter and renormalization of weak currents 9—67697

Mukhopadhyay, P. Observation of subharmonic gap structures in superconducting thin film tunnel junctions favouring multiparticle tunneling theory 9—56438
Mukhopadhyay, P. Study of subharmonic gap structures in both symmetric and asymmetric superconducting tunnel junctions based on oxidized PbIn alloy electrodes 9—60981
Mukhopadhyay, P. Isospin and G-parity of theψ''(3770) 9—63569
Mukhopadhyay, P. Dissolution of TiAl plates in a Ti-40% Al alloy 9—66055
Mukhopadhyay, P. Consistency checks on the suggested spins of the χ(3415), χ(3510) and χ(3555) 9—80765
Mukhopadhyay, P., Raman, V., Banerjee, S., Krishnan, R. Tempering of a beta quenched Zr-1.9 wt.% Cr alloy. I. Martensite structure 9—66061
Mukhopadhyay, P., Raman, V., Banerjee, S., Krishnan, R. Tempering of a beta quenched Zr-1.9 wt.% Cr alloy. II. $ZrCr_2$ precipitation 9—66062
Mukhopadhyay, P., Raman, V., Banerjee, S., Krishnan, R. Tempering of a beta quenched Zr-1.9 wt.% Cr alloy. III. Tensile properties 9—66109
Mukhopadhyay, P., Raman, V., Banerjee, S., Krishnan, R. Precipitation of Zr_3Al in a Zr-4.6 wt.% Al martensite 9—74156
Mukhopadhyay, P., Vijayakar, S.J., Banerjee, S. Decomposition of the beta phase in Zr-1.9 Cr 9—87604
Mukhopadhyay, P. *see* Menon, S.K. 9—74164
Mukhopadhyay, P. *see* Sundararaman, M. 9—61577
Mukhopadhyay, V. A vertical axis tilting blade windmill suitable for use in rural areas in India 9—70424
Mukhopadhyaya, S. *see* Talukdar, B. 9—49104
Mukhopadyay, A. Note on the extensional vibration of a thin isotropic non-homogeneous circular plate with a central hole 9—94546
Mukhordykh, D.E. *see* Limarov, V.T. 9—66246
Mukhtar, E.S. *see* Baker, H.J. 9—81468
Mukhtarov, Ch.K. Sums of magnetooptical parameters 9—89697
Mukimov, K.M. *see* Krinchik, G.S. 9—87465
Mukoyama, T., Mazaki, H., Shimizu, S. Single-quantum annihilation of positrons with K-shell electrons 9—89791
Muktepavel, F.O. The kinetics of adsorption softening of the solid interface of Al with Sn 9—61619
Mukuk, K.V. *see* Entov, V.M. 9—72917
Mukumov, M.R., Pautov, V.A., Khodorov, B.I. Model of excitation-contraction coupling in frog myocardium 9—70541
Mukunda, N. *see* Sudarshan, E.C.G. 9—98325
Mukunoki, J. *see* Yasuda, K. 9—83588
Mul, P.M., McGowan, J.W. Merged electron-ion beam experiments. III. Temperature dependence of dissociative recombination for atmospheric ions NO^+, O_2^+ and N_2^+ 9—54981
Mula, G. *see* Aymerich, F. 9—51485
Mulargia, F. Improvements and limits in seismic strong-motion accelerometry 9—80046
Mulargia, F. On the derivation of the Gruneisen parameter from seismic data 9—96753
Mulargia, F. *see* Boschi, E. 9—74863, 9—81804, 9—84186
Mulas, E. *see* Slowinski, B. 9—80957
Mulase, M. Poles of instantons and jumping lines of algebraic vector bundles on P^3 9—97520
Mulay, L.N. *see* Everson, R.C. 9—79296
Mulay, L.N. *see* Marusak, L.A. 9—73716
Mulazzi, E., Terzi, N. Vibrational Raman scattering induced by Jahn-Teller systems in polar crystals 9—69830
Mulcahy, M.F.R. *see* Plumb, I.C. 9—61848
Muldakhmetov, Z.M. *see* Minaev, B.F. 9—72342
Mulder, B.J. A simple system for inserting samples into an ultrahigh-vacuum system through a vacuum lock 9—88964
Mulder, B.J. Unbacked aluminium windows for helium discharge lamps directly mountable as part of the copper seal between UHV flanges 9—97397
Mulder, F., Van van Dijk, G., Huiszoon, C. Ab initio calculations of multipole moments, polarizabilities and long-range interaction coefficients for the azabenzene molecules 9—89599
Mulder, K. *see* Hermans, W.C. 9—67720
Mulder, T.F.A. *see* Westerveld, W.B. 9—89641
Mulders, P.J., Aerts, A.T., de Swart, J.J. Multiquark states: Q^3 baryon resonances 9—67510
Mulders, P.J.G. *see* Aerts, A.Th.M. 9—67518
Muldoon, M.F., Dragoset, R.A., Coleman, R.V. Tunneling asymmetries in doped Al-AlO_x-Pb junctions 9—95549
Muldrew, D.B. Frequency asymmetry in the upshifted and downshifted plasma lines induced by an HF wave at Arecibo 9—101012
Muldrew, D.B., James, H.G. Ionospheric effects on the Doppler frequency for a search and rescue satellite (SARSAT) 9—58183
Mulenko, S.A. *see* Borisov, A.A. 9—61858
Mulera, T.A. Measurement of the energy dependence of $\Delta\sigma_T$ and A_{nn} for pp scattering in the 1-3 GeV/c region 9—63504
Mulera, T.A. *see* Ratner, L.G. 9—67608
Mulford, R.A. Analysis of strengthening mechanisms in alloys by means of thermal-activation theory 9—78987
Mulford, R.A., Kocks, U.F. New observations on the mechanisms of dynamic strain aging and of jerky flow 9—79024
Mulhaupt, G. *see* Bothe, W. 9—68000
Mulhearn, P.J. A wind-tunnel boundary-layer study of the effects of a surface roughness change: rough to smooth 9—53416
Mulhearn, P.J., Finnigan, J.J. Turbulent flow over a very rough, random surface 9—53422
Mulhearn, P.J. *see* Sheih, C.M. 9—68688, 9—70476
Mulholland, G.P. *see* Hills, R.G. 9—94453
Mulholland, G.W. *see* Bukowski, R.W. 9—63331
Mulholland, J.D., Benedict, G.F., Shelus, P.J. Absolute and relative positions of Jupiter V (Amalthea) and the Galilean satellites 1976-1978 9—62789
Mulholland, J.D., Shelus, P.J., Benedict, G.F. Astrometric observations of the faint satellites of Jupiter during the 1975-1976 opposition 9—75139
Mulholland, J.E. Microwave radiation instrumentation 9—96667
Mul'ko, G.N. *see* Grigoryan, G.V. 9—79203
Mul'ko, G.N. *see* Matrosov, Yu.I. 9—87720
Mulla, M.R., Pawar, S.H. Thermoluminescence of X-irradiated $CaSO_4$:Dy phosphors and role of Na_2SO_4 as a charge compensator 9—78764
Mullan, D.J. On the detectability of starspot magnetic fields 9—92758
Mullan, D.J., Schatten, K.H. Motion of solar cosmic rays in the coronal magnetic field 9—75196
Mullaney, G.J. *see* Fisher, C.H. 9—89890
Mullaney, N.A., Truhlar, D.G. The use of rotationally and orbitally adiabatic basis functions to calculate rotational excitation cross sections for atom-molecule collisions 9—59543
Mullani, N.A., Te-Pogossian, M.M., Higgins, C.S., Hood, J.T., Ficke, D.C. Engineering aspects of PETT V 9—66517
Mullazhanov, E.G. *see* Baiburina, S.G. 9—80156, 9—80170
Mullen, E.G. *see* Cohen, H.A. 9—84633
Mullen, J.G. *see* Stevenson, J.R. 9—82897
Muller, A., Achenbach, C., Salzborn, E. Dependence of the charge transfer between atoms and highly charged ions on the ionization potential of the atoms 9—64096
Muller, A., Salzborn, E. Production of isotope-resolved beams of highly charged xenon ions 9—93858
Muller, A. *see* Gmelin, E. 9—58708
Muller, A. *see* Koniger, F. 9—98089
Muller, A. *see* Lefranc, G. 9—67446
Muller, A.A., Muller, P.C. Parameter and combination resonances of rotor systems having asymmetric elements 9—50578
Muller, A.C. *see* Dabkiewicz, P. 9—49576
Muller, A.E. *see* Biondi, E. 9—74636
Muller, A.M.K. General outline of the projector variation method 9—97244
Muller, B. A surface model of highly disperse amorphous silica 9—90859
Muller, B. Contribution to the treatment of low level radioactive waste solutions from the fabrication or refabrication of nuclear fuel containing ammonium nitrate 9—93798
Muller, B. *see* Hofmann, J. 9—49594
Muller, B. *see* Theis, J. 9—89759
Muller, C., Lautenschlager, G., Wonn, H., Ziesche, P., Mrosan, E., Seifert, G. Band structure and cluster calculations of FeAl systems 9—51480
Muller, C. *see* Ackerman, M. 9—84432
Muller, C.H. *see* Gruters, H. 9—90142
Muller, E. *see* Dose, V. 9—54237
Muller, E.W. Surface studies by field emission 9—67444
Muller, E.W. Developments in field ion microscopy 9—67445
Muller, F. *see* Fabian, P. 9—84384
Muller, F. *see* Giboni, K.L. 9—89204
Muller, F.A. *see* Arko, A.J. 9—56116, 9—65369
Muller, G. Glass-metal bonding 9—83167
Muller, G., Beck, H., Bonner, J.C. Zero-temperature dynamics of the $S=^1/_2$ linear Heisenberg antiferromagnet 9—73741
Muller, G., Bonjer, K.P., Stockl, H., Enescu, D. The Rumanian earthquake of March 4, 1977. Rupture process inferred from fault-plane solution and multiple-event analysis 9—57876
Muller, G., Dominik, J., Mangini, A. Eutrophication changes sedimentation in part of Lake Constance 9—79889
Muller, G., Hage, H., Loper, D.E. Comments on 'The gravitationally powered dynamo' by D.E. Loper [and reply] 9—84102
Muller, G. *see* Fertig, J. 9—74844
Muller, G. *see* Hage, H. 9—84191
Muller, G. *see* Spear, W.E. 9—60835
Muller, G.O., Weber, H.H., Horicke, I. Linear optical response of highly excited semiconductors 9—51980
Muller, H. Ultrasonic flowmeter for measuring pure and high polluted fluids 9—77319
Muller, H., Brenig, W. Kinetic theory of gas-surface interaction 9—87002
Muller, H., Opitz, C. Equilibrium structure of lithium clusters. II. Effect of p-functions 9—89823
Muller, H. *see* Apel', V.D. 9—89194
Muller, H. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Muller, H. *see* Eckardt, C.J. 9—73923
Muller, H.G. *see* Geisler, H. 9—77191
Muller, H.G. *see* Mainka, E. 9—49690
Muller, H.H. *see* Eder, G. 9—76042
Muller, H.H. *see* Preisinger, K. 9—75980
Muller, H.H. *see* Ratel, G. 9—75981
Muller, I. Stress and heat flux in a dumbbell solution 9—68999
Muller, I. A model for a body with shape-memory 9—94501
Muller, J., Agren, H., Goscinski, O. Role of localization in the prediction of core ESCA lineshapes on N_2, O_2 and NO 9—59512
Muller, J., Joubert, J.C., Marezio, M. Synthesis and crystal structure of a new oxide 'FeV_3O_8' ($Fe_xV_{1-x}O_2$:$x\simeq0.25$) 9—55713
Muller, J., Joubert, J.C., Marezio, M. Synthesis and crystal structure of a new mixed oxide $FeV_2O_6H_{0.5}$. Relationship with the diaspore-type structure 9—55720
Muller, J. *see* Ishikawa, M. 9—65653
Muller, J. *see* Liengme, O. 9—56405
Muller, J. *see* Lutz, F. 9—74101
Muller, J. *see* Waterstrat, R.M. 9—95538
Muller, J.B. *see* Hesse, J. 9—56640
Muller, J.C. *see* Bell, R.O. 9—69920
Muller, J.J., Damaschun, G. Comparison and optimization of smoothing procedure for small-angle X-ray scattering curves. Polynomial fitting and modified frequency filtering 9—60215
Muller, J.-P. *see* Hunt, G.E. 9—92713
Muller, J.-P. *see* Mitchell, J.L. 9—92712
Muller, J.W. Some second thoughts on error statements 9—85110
Muller, K. *see* Armstrong, T.A. 9—85344
Muller, K. *see* Evangelista, C. 9—75788, 9—80843
Muller, K. *see* Heilmann, P. 9—73259
Muller, K. *see* Lang, E. 9—73074
Muller, Kh. *see* Apel', V.D. 9—67609
Muller, K.A., Burkard, H. $SrTiO_3$: an intrinsic quantum paraelectric below 4K 9—73877
Muller, K.A. *see* Siegel, E. 9—60354
Muller, K.H. Lead contamination of soils and air exchange in cities 9—70470
Muller, K.-H. *see* Dornhaus, R. 9—82610
Muller, L. The determination of kinetic currents in the case of superposition of electrochemical passage reaction and diffusion in the region of small overvoltages (η<100 mV) 9—52690
Muller, L., Ernst, R.R. Coherence transfer in the rotating frame. Application to heteronuclear cross-correlation spectroscopy 9—97412
Muller, L. *see* Hohener, A. 9—99073
Muller, L.P., Turcu, A., Muller, M., Catrinescu, M. Electrical transport in molecular complexes of tetranitrophenothiazine-5 9—73518
Muller, L.P. *see* Mihai, I.C. 9—60841
Muller, M. *see* Brefeld, W. 9—63826
Muller, M. *see* Muller, L.P. 9—73518
Muller, N., Papier, G., Charle, K.-P., Willig, F. Nature of the electron-hole pair in the system anthracene crystal rhodamine B adsorbed from aqueous solution. Dependence of kinetics and spin-dynamics on external parameters. I. External electric field 9—73558
Muller, N. *see* Gruner, W. 9—54167
Muller, P., Adrian, H., Ischenko, G., Braun, H. Nb_3Ge and effects of heavy ion irradiation and thermal recovery on T_c, ρ and $dH_{c2}/_dT(T=T_c)$ 9—56348
Muller, P. *see* Hunt, G.E. 9—84739
Muller, P. *see* Ingersoll, A.P. 9—92711
Muller, P. *see* Rentsch, I. 9—92333
Muller, P.C. Remarks on vibrations of damped linear systems 9—64568
Muller, P.C. Oscillatory damped linear systems 9—77005
Muller, P.C. Covariance analysis of steady-state non-linear stochastic vibrations 9—88880
Muller, P.C., Popp, K. Covariance of linear random vibrations with exciting processes displaced in time 9—90181
Muller, P.C. *see* Muller, A.A. 9—50578
Muller, R. The fine structure of light-bridges in sunspots 9—66984
Muller, R., Neef, E. The optical multi-stage repeater 9—59772
Muller, R. *see* Agyeman, K. 9—60951
Muller, R. *see* Bodek, K. 9—76015
Muller, R. *see* Haeberli, W. 9—76251
Muller, R.S. *see* Sze-Hon Kwan 9—50563
Muller, V. *see* Schanz, G. 9—51868
Muller, W. Experiences on numerical calculation of fields 9—92964

Muller, W., Frey, H., Radler, K., Schuller, K.-H. CdS/Cu_2S heterojunctions produced by R.F. sputtering 9—100053

Muller, W., Pscheid, P. A new inexpensive specimen carrier for freeze-fracturing 9—74810

Muller, W. *see* Fitting, H.-J. 9—51702

Muller, W. *see* Friedt, J.M. 9—61271

Muller, W. *see* Losecke, W. 9—74833

Muller, W. *see* Radler, K. 9—90908

Muller, W. *see* Werneyer, R. 9—91877

Muller, W.F. The effect of heating on the domain structure of beta-eucryptite, $LiAlSiO_4$ 9—66078

Muller, W.H.-G. *see* Haussler, P. 9—99638

Muller-Deile, J. *see* Wolschendorf, K. 9—53214

Muller-Hartmann, E. Anomalous thermal expansion of intermediate valence compounds 9—77783

Muller-Kirsten, H.J.W. Multidimensional perturbation theory for nonseparable wave equations 9—58576

Muller-Krumbhaar, H. Kinetics of crystal growth. Microscopic and phenomenological theories 9—69340

Muller-Krumbhaar, H. Simulation of small systems [Monte Carlo methods] 9—80530

Muller-Krumbhaar, H. Monte Carlo simulation of crystal growth 9—80532

Muller-Vogt, G. *see* Meyer, W. 9—81393

Muller-Warmuth, W. *see* Roder, U. 9—65744

Mullica, D.F., Beall, G.W., Milligan, W.O., Korp, J.D., Bernal, I. The crystal structure of cubic $In(OH)_3$ by X-ray and neutron diffraction methods 9—77568

Mullica, D.F., Beall, G.W., Milligan, W.O., Oliver, J.D. Applications of a solid-state detector on a modern single-crystal X-ray diffractometer 9—58855

Mullica, D.F., Milligan, W.O., Oliver, J.D. Refined structure of $CeKFe(CN)_6.4H_2O$ 9—51065

Mulligan, L., Zurmuhle, R.W., Balamuth, D.P. Yrast states in ^{62}Zn 9—54379

Mulligan, L. *see* Balamuth, D.P. 9—89529

Mulligan, W.J. *see* Woskoboinikow, P. 9—55145, 9—76709

Mulliken, R.S. The excited states of ethylene 9—85915

Mullikin, T.L., Wasserman, L.H. Lunar occultation of (4) Vesta on 1980 January 24 9—84728

Mullikin, T.L. *see* Mims, S.S. 9—80323

Mullin, D.P. *see* Sansonetti, J.E. 9—99749

Mullin, J.P. The NASA space power technology program 9—96883

Mullin, K. *see* Canham, P.B. 9—70572

Mullin, W.J. *see* Masut, R. 9—71176

Mullineaux, D.R., Wilcox, R.E., Ebaugh, W.F., Fryxell, R., Rubin, M. Age of the last major Scabland flood of the Columbia Plateau in Eastern Washington 9—66726

Mullins, J.C. *see* Walton, C.W. 9—51271

Mullins, M.E., Orr, C. Particle sizing by capillary hydrodynamic chromatography 9—64759

Mulloney, T.J. *see* Novick, S.E. 9—54922

Mulokozi, A.M. Electron transfer and bonding in the transition metal diborides. The heats of formation of the metal diborides derived from a theoretical bonding model 9—65027

Mulpuru, S.R., Banerjee, S. Conservative implicit method for shock wave calculations 9—77179

Mulvaney, B.J. *see* Swift, J. 9—82286

Mulvany, M.J. The undamped and damped series elastic components of a vascular smooth muscle 9—83819

Mulyukova, N.B. *see* Chertoprud, V.E. 9—92580

Mumford, F.J., Jungwirth, H.N., Blaine, P.G. Design of a vacuum chamber for the magnets of a separated sector cyclotron 9—54639

Mumford, J.C. *see* Britter, R.E. 9—68712

Muminov, K.M. *see* Andreychev, V. 9—49603

Muminov, R.A. *see* Aidinova, D.M. 9—68139

Muminov, R.A. *see* Azimov, S.A. 9—51658, 9—90971

Muminov, T.M. *see* Alikov, B.A. 9—75828, 9—75919

Muminov, T.M. *see* Andreychev, V. 9—49603

Muminov, T.M. *see* Vavryshuk, Ya. 9—49597

Muminov, V.A., Khaidarov, R.A., Isaev, Kh. Cyclotron X-ray spectral analysis of the elements from titanium to cesium 9—100474

Muminovic, M., Cavagna, M., Baroni, S. Novalike object in Vulpecula 9—92784

Mumma, M.J. *see* Abbas, M.M. 9—100971

Mumzhiu, A.M. *see* Strakun, G.I. 9—50455

Munakata, H. *see* Yamamoto, Y. 9—62701

Munakata, K. Linear instability of pipe Poiseuille flow 9—90223

Munakata, T., Kuchitsu, K., Harada, Y. Comparison of the relative intensities of Penning electron spectrum and photoelectron spectrum. Unsaturated hydrocarbons 9—81237

Munakata, T., Tsurui, A. Interacting Brownian motion in a periodic potential 9—85083

Muncaster, R.G. On generating exact solutions of the Maxwell-Boltzmann Equation 9—94760

Munch, J., Rea, E.C., Casperson, L.W. Beam deflection in a pulsed chemical laser amplifier 9—50331

Munch, J. *see* Bohmer, H. 9—68400

Munch, J.W. *see* Burke, W.J. 9—101015

Munchmeyer, D. *see* Mechtersheimer, G. 9—93666

Munczek, H.J. *see* McKay, D.W. 9—97563

Mund, K., Richter, G., Weidlich, E., Sturm, F., David, E. Development of a non-polarizable stimulating electrode for implantable cardiac pacemakers 9—92428

Mundeleer, P. *see* Demeester, M. 9—62404

Munden, A.B. *see* Huyton, A. 9—63863

Mundis, R.L. *see* Opelka, J.H. 9—72029

Mundry, E. *see* Hecht, A. 9—91878

Mundt, R., Bastian, U. Are there two classes of T Tauri stars? 9—71041

Mung Shih Yu *see* Yu Mung Shih

Munier, A. *see* Burgan, J.R. 9—49099

Munier, J. *see* Marze, A. 9—91615

Munin, A.G. *see* Kuznetsov, V.M. 9—86423

Munir, Z.A. *see* Higgins, P.K. 9—66024

Munir, Z.A. *see* Lam, S.T. 9—90642

Munir, Z.A. *see* Samarasekera, H.D. 9—77864

Munir, Z.A. *see* Yacaman, M.J. 9—77739

Munitz, A. *see* Mehrabian, R. 9—69916

Munjal, M.L. *see* Chandraker, A.L. 9—77206, 9—77207

Munjal, R.L. *see* Petzinger, K.G. 9—56683

Munjial, M.L. *see* Chandraker, A.L. 9—72921

Munk, M. *see* Janzen, D. 9—75595

Munkelwitz, H.R. *see* Tang, I.N. 9—52783

Munksgaard, N. *see* Axelsson, O. 9—72795

Munn, R.W., Luty, T. Dielectric singularities and phase transitions in molecular crystals 9—60470

Munn, R.W., Luty, T. Intensity of Brillouin scattering in molecular crystals 9—73958

Munn, R.W. *see* Bounds, P.J. 9—65836

Munnich, K.O. *see* Slinn, W.G.N. 9—62544

Munno, F. *see* Almenas, K. 9—85722

Munoz, D. *see* Udias, A. 9—84178

Munoz, E. *see* Criado, A. 9—99612

Munoz, P.B., Miller, J.D., Wadsworth, M.E. Reaction mechanism for the acid ferric sulphate leaching of chalcopyrite 9—83511

Munoz-Cuevas, A. *see* Carricaburu, P. 9—53093

Munoz-Escalona, A., Parada, A. Factors affecting the nascent structure and morphology of polyethylene obtained by heterogeneous Ziegler-Natta catalysts. I. Polymerization kinetics 9—96307

Munro, D.H., Ingard, K.U. On acoustic intensity measurements in the presence of mean flow 9—86282

Munro, D.S., Davies, J.A. On fitting the log-linear model to wind speed and temperature profiles over a melting glacier 9—79912

Munro, I.H. *see* Cundall, R.B. 9—72344

Munro, R.G., Piermarini, G.J., Block, S. Wall effects in a diamond-anvil pressure-cell falling-sphere viscometer 9—82023

Munro, R.H. *see* Gergely, T.E. 9—71010

Munroe, D.M. *see* Noonan, J.A. 9—89013

Munschy, G., Stauffer, L. Separation of angles in the problem of an exciton bound to an ionized donor in the case of anisotropic effective masses and dielectric constant 9—51495

Munschy, G. *see* Elkomoss, S.G. 9—90967

Munser, R. *see* Meyer, W. 9—81393

Munster, P., Freyland, W. Optical absorption in solid and liquid CsAu 9—61397

Munsterova, E. *see* Dorazil, E. 9—96023

Muntean, M., Gutui, M., Brezeanu, M. X-ray diffraction studies of some complexes with hydrazine 9—73149

Munteanu, C. *see* Haiduc, C. 9—98729

Munther, Ch., Spenner, K., Neske, E. Global distribution of electron temperature and density fluctuations measured by Aeros-B 9—58160

Muntyanu, F.M. *see* Gitsu, D.V. 9—82613, 9—87113

Muntz, E.P. Analysis of the significance of scattered radiation in reduced dose mammography, including magnification effects, scatter suppression and focal spot and detector blurring 9—62346

Muntz, E.P. Relative carcinogenic effects of different mammography techniques 9—70617

Muntz, E.P. *see* Delgow, T.L. 9—54983

Munz, D. *see* Bachmann, V. 9—50678

Munzenberg, G., Faust, W., Hofmann, S., Armbruster, P., Guttner, K., Ewald, H. The velocity filter SHIP, a separator of unslowed heavy ion fusion products 9—49893

Munzenberg, G. *see* Hofmann, S. 9—63636

Munzenberg, G. *see* Marx, D. 9—76241

Munzenrider, J.E. *see* Tak, W.K. 9—88158

Munzer, M.A. Basic training [flash units] 9—71548

Munzing, W., Stump, N., Goltz, G. Small-angle scattering with energy analysis on density fluctuations of D in Nb 9—60359

Mur, V.D. *see* Popov, V.S. 9—49587

Mura, T. *see* Abe, H. 9—62491

Mura, T. *see* Furuhashi, R. 9—97203

Mura, T. *see* Kim, Y.H. 9—77010

Mura, T. *see* Mastrojannis, E.N. 9—72855

Mura, T. *see* Sekine, H. 9—68658, 9—99195

Murad, E. *see* Swider, W. 9—96854

Murad, S., Evans, D.J., Gubbins, K.E., Streett, W.B., Tildesley, D.J. Molecular dynamics simulation of dense fluid methane 9—50976

Murad, S., Gubbins, K.E., Gray, C.G. Second-order perturbation theory for the angular pair correlation function in molecular fluids 9—86662

Muradov, V.G. Growth curves for line absorption 9—54812

Muradov, V.G. Experimental check of a growth curve for the 326.1-nm Cd I line Min the case of line absorption 9—76375

Muradyan, L.A. *see* Bukvetskii, B.V. 9—94979

Muradyan, L.A. *see* Shev'rev, A.A. 9—90637

Muradyan, N.S. *see* Atoyan, V.V. 9—91893

Murai, S., Maeda, H. A study of geometric correction for LANDSAT MSS data 9—58120

Murai, T. *see* Nagai, H. 9—70223, 9—79178, 9—100302

Muraishi, H. *see* Nagao, M. 9—52759

Murakami, A., Ohara, H., Yoshiki, T. Impact tensile properties of ethylene-based ionomers 9—96120

Murakami, A. *see* Baba, K. 9—75972

Murakami, C. *see* Tomita, H. 9—80561

Murakami, F. *see* Ohta, T. 9—68381

Murakami, H., Maewal, A., Hegemier, G.A. Mixture theory for longitudinal wave propagation in unidirectional composites with cylindrical fibers of arbitrary cross section. I. Formulation 9—50631

Murakami, H., Maewal, A., Hegemier, G.A. Mixture theory for longitudinal wave propagation in unidirectional composites with cylindrical fibers of arbitrary cross section. II. Computational procedure 9—50632

Murakami, H. *see* Hayakawa, S. 9—71128, 9—80350

Murakami, H. *see* Igata, N. 9—100205

Murakami, H. *see* Tsukuda, M. 9—81138

Murakami, H. *see* Yoshimori, M. 9—80353

Murakami, J. *see* Okano, K. 9—99399

Murakami, K., Gamo, K., Namba, S., Kawabe, M., Aoyagi, Y. Dynamic behaviour of pulsed-laser annealing in ion-implanted silicon. Measurement of the time dependent optical reflectance 9—60393

Murakami, K., Gamo, K., Namba, S., Kawabe, M., Aoyagi, Y., Akasaka, Y. Dynamic behaviors of pulsed-laser annealing in ion-implanted silicon studied by measuring the optical reflectance 9—69122

Murakami, K., Sohma, J. Comparison of molecular motions detected by the spin label technique and carbon-13 nuclear magnetic resonance in benzene solution of poly(methyl methacrylate) 9—78551

Murakami, K. *see* Aguirre, C. 9—62699

Murakami, K. *see* Gamo, K. 9—73192

Murakami, K. *see* Yuba, Y. 9—99987

Murakami, M. Thermal strain in thin lead films. III. Dependences of the strain on film thickness and on grain size 9—90926

Murakami, M., Angelillo, J., Huang, H.-C.W., Segmuller, A., Kircher, C.J. Thermal strain in lead thin films. IV. Effects of multiple cycling to 4.2K 9—90918

Murakami, M., Eubank, H.P. Recent progress in Tokamak experiments 9—71948

Murakami, M. *see* Basavaiah, S. 9—65617

Murakami, S. Introduction to solid mechanics. V. Constitutive equations of creep 9—64532

Murakami, S., Sawczuk, A. On description of rate-independent behaviour for prestrained solids 9—68591

Murakami, T. *see* Iwanami, H. 9—53942

Murakami, T. *see* Ondoh, T. 9—80078

Murakami, T. *see* Suto, H. 9—96144

Murakami, Y., Izawa, Y., Suzuki, Y., Yamanaka, C., Nishimura, M., Kitamura, S. Laser radar, data processing system and measurements of air pollutions 9—57559

Murakami, Y., Kachi, S. Electron microscopy of the premartensitic state in a β-Ni-Zn-Cu alloy 9—66059

Murakami, Y., Kawana, A., Tsuchiya, H. Cut-off wavelength measurements for single-mode optical fibers 9—59802

Murakami, Y. *see* Guenin, G. 9—55807

Murakami, Y. *see* Izumi, Y. 9—79159

Murakami, Y. *see* Masumoto, H. 9—70078

Murakami, Y. *see* Niwa, M. 9—79319

Murakami, Y. *see* Ochiai, S. 9—52306, 9—57055

Murakami, Y. *see* Osamura, K. 9—50999, 9—56989, 9—70072

Murakawa, H., Atluri, S.N. Finite elasticity solutions using hybrid finite elements based on a complementary energy principle. II. Incompressible materials 9—63044

Murakawa, H. *see* Atluri, S.N. 9—100642

Murakhovskii, V.G. *see* Drozdov, V.A. 9—99968

Mural', V.V., Fokin, A.P. Diffusion of sulfur in gamma iron 9—86930

Murali, N.Mohan *see* Mohan Murali, N.

Murali Prasad, I. *see* Soin, R.S. 9—70441

Muralidharan, K.V. *see* Deniz, K.U. 9—77504

Muralidharan, V.S., Rajagopalan, K.S. Kinetics and mechanism of corrosion of iron in phosphoric acid 9—96188

Muralikrishna, M. *see* Rao, D.P. 9—70440

Muralikrishna, P., Prakash, S. Height shift in the radar echoes from the E-region around the morning and evening reversals 9—66871
Muramaki, T., Raub, Ch.J. Influence of a vacuum and heat-treatment on the anodic oxidation of aluminium 9—96225
Muramatsu, A. *see* Miyairi, H. 9—74233
Muramatsu, S., Sakamoto, N. A method for solving combined spin-orbit and Jahn-Teller coupling and application to $^4T_2$ of $KMgF_3$:V^{2+} 9—60773
Muranaka, T. *see* Kiyono, S. 9—99986
Murani, A.P. A neutron scattering investigation of a Au-Fe spin glass alloy 9—61179
Murani, A.P. Recent experimental studies of dynamics of spin glasses 9—65689
Muranyi, L. Medical fields of application of the respiratory mass-spectrometer 9—62383
Murao, T., Azumi, T. Sublevel phosphorescence spectra of anthraquinone. I. Site selective sublevel phosphorescence spectra for octane and hexane solutions 9—69878
Murao, Y. Correlation of quench phenomena for bottom flooding during loss-of-coolant accidents 9—54520
Muraoka, Y., Kimura, S., Shiga, M., Sumiyama, K., Nakamura, Y. Low temperature thermal expansion of $Fe_{72}Pt_{28}$ Invar alloy 9—65221
Muraoka, Y., Shiga, M., Nakamura, Y. Magnetic properties and Mossbauer effects of $Zr(Fe_{1-x}Co_x)_2$ 9—91322
Muraoka, Y. *see* Shiga, M. 9—56592
Murarka, S.P. Oxygen partial pressure dependence of the fixed surface-state charge Q_{ss} due to thermal oxidation of n-(100) silicon 9—70179
Murarka, S.P. *see* Adams, A.C. 9—69014
Murarka, S.P. *see* Dishman, J.M. 9—78191
Murasaki, H. *see* Koizumi, H. 9—57458
Murase, C., Yuge, Y. A renormalisation group approach for two-dimensional percolating systems: Honeycomb bond lattice and Kagome lattice 9—85089
Murase, H., Seno, Y., Hayashi, I. Reliability of multi coil magnetic probes in plasma diagnostics 9—55544
Murase, H. *see* Shimizu, S. 9—83263
Murase, K., Sugai, S. Raman scattering from soft TO-phonon in IV-VI compounds semiconductors 9—95773
Murase, K. *see* Sugai, S. 9—90776
Murase, M. *see* Yamamoto, H. 9—63732
Murase, Y., Kato, E. Influence of water vapor on the crystallization of ZrO_2 from $Zr(OH)_4$ 9—78865
Murashko, R.E., Sumarokov, V.N., Bosatina, T.A., Borisenko, V.V., Struk, L.I., Shvab, S.A., Yunak, V.A. Hydrostatic pressing of a mixture of titanium diboride and titanium carbide powders 9—100098
Murashov, V.V., Batizat, V.P., Gulyaeva, V.V. A contact fluid for ultrasonic inspection 9—52586
Murashova, I.B. *see* Pomosov, A.V. 9—70007
Murashova, M.V. *see* Shubin, V.I. 9—83162
Murashova, V.A. *see* Blagov, M.I. 9—76303
Muraszew, A., Fedele, J.B. The fire whirl phenomenon 9—72958
Murat, F., de Romera, A.M.V., de Serra, E.C.B., Fuchs, G.L. After-effects of exposure to a high-intensity noise 9—74685
Murat, K., Katriel, J. The lowest triplet state of the biexciton may be bound 9—56137
Murata, F., Kato, K., Tomizawa, F., Sumida, I. Development of a diagnosis system for a boiling water reactor 9—59185
Murata, H. Moulded optical-fibre connectors using rods and balls 9—64323
Murata, H. *see* Ogai, M. 9—50471
Murata, I. A transportable apparatus for absolute measurement of gravity 9—66823
Murata, K., Baba, N., Kunugi, K. Holographic interferometry with a wide field angle of view and its application to reconstruction of refractive index fields 9—76637
Murata, K. *see* Baba, N. 9—97477
Murata, K. *see* Yoshihiro, K. 9—95786
Murata, T. *see* Hashimoto, S. 9—65902
Murata, Y., Miyazaki, T., Mori, H. Structural changes in Ni-Cu-Si modulated structure alloy during the early stage of aging 9—100183
Murata, Y. *see* Baba, K. 9—75972
Murata, Y. *see* Johgo, A. 9—50165
Murata, Y. *see* Kanzaki, H. 9—63311
Murata, Y. *see* Kittaka, S. 9—50186, 9—52075
Murata, Y. *see* Nishikawa, K. 9—77478
Muratov, A.V., Postnikov, V.S. Specific heat and coefficient of thermal conductivity of glasses and glass-ceramics in low temperature region 9—55898
Muratov, E.A., Pis'mennyi, V.D., Rakhimov, A.T. High-pressure CO_2 laser with a nonself-sustaining discharge ionized by repetitively pulsed UV radiation 9—98339
Muratov, R.Z. *see* Efimov, S.P. 9—86115
Muratov, R.Z. *see* Levin, M.L. 9—55036
Muratova, I.A. *see* Kovalev, E.E. 9—80130
Muratovic, H., Sips, V. Temperature corrections to the low-frequency polarizability of degenerate electron systems 9—95354
Murav'ev, B.A. *see* Vertogradov, L.S. 9—68166
Murav'ev, E.V. *see* Velikhov, E.P. 9—71955
Murav'ev, V.A., Panteleev, V.A. Kinetic theory of correlation effects in diffusion in substitutional solid solutions 9—69278
Murav'eva, E.M. *see* Nikitin, P.N. 9—96129
Murav'eva, G.I. *see* Zakharnev, A.P. 9—50399
Murav'eva, K.K., Ivanov, V.A. Kinetics of formation of the transition layer in the system ZnSe film—GaAs substrate 9—87007
Muravitskii, M.A. *see* Lavrovskii, L.A. 9—55133
Muravlev, Yu.B. *see* Andrianov, D.G. 9—51880
Muravski, L. *see* Gzovski, O. 9—65722
Murav'yova, I.N. Investigation of the orbit of one appearance comets 9—92727
Murawski, L., Chung, C.H., Mackenzie, J.D. Electrical properties of semiconducting oxide glasses 9—65479
Murayama, A., Murota, T., Yoneyama, T. Large inelastic diffraction in the quark-glue model 9—89138
Murayama, C. *see* Azevedo, L.J. 9—56380
Murayama, H., Tanaka, E., Nohara, N. A new method for measuring the statistical resolution of scintillation detectors 9—93874
Murayama, H. *see* Tanaka, E. 9—66522
Murayama, S. *see* Yamamoto, M. 9—76390
Murayama, Y. *see* Machida, M. 9—83140
Murch, G.E., Thorn, R.J. A model for the carbon activity in nonstoichiometric thorium carbide 9—71892
Murch, G.E., Thorn, R.J. Computer simulation of the carbon diffusivity in austenite 9—77803
Murch, G.E., Thorn, R.J. Calculation of the diffusion correlation factor by Monte Carlo methods 9—82375
Murch, G.E., Thorn, R.J. Computer simulation of the drift mobility of an ionic impurity in an electric field 9—82388
Murcia, M.de *see* de Murcia, M.
Murcray, D.G. *see* Goldman, A. 9—100894
Murcray, D.G. *see* Kosters, J.J. 9—75172
Murcray, F.J. *see* Goldman, A. 9—100894
Murday, J.S. *see* Colton, R.J. 9—83074, 9—86986
Murday, J.S. *see* Ramaker, D.E. 9—74469, 9—83064, 9—83067
Murday, J.S. *see* Shafrin, E.G. 9—52413
Murdin, P., Allen, D., Malin, D. Catalogue of the Universe 9—101093
Murdin, P., Clark, D.H., Culhane, J.L. Coronal lines in supernova remnant spectra 9—53892
Murdin, P., Clark, D.H., Lepine, J.R.D., Melnikoff, M., Maia, M., Torres, C.A., Marques dos Santos, P. SS 433 9—92783
Murdin, P. *see* Clark, D.H. 9—84843
Murdin, P. *see* Danziger, I.J. 9—53889
Murdin, P. *see* Goss, W.M. 9—84839
Murdin, P. *see* Haynes, R.F. 9—71143
Murdin, P. *see* Warren-Smith, R.F. 9—53893, 9—67030
Murdin, P.G. *see* Duldig, M.L. 9—53939
Murdin, P.G. *see* Greenhill, J.G. 9—71158
Murdin, P.G. *see* Haynes, R.F. 9—75296
Murdin, P.G. *see* Martin, P.G. 9—58345
Murdin, P.G. *see* Parkes, G.E. 9—71154
Murdin, P.G. *see* Thomas, R.M. 9—71031
Murdoch, B.T. *see* Anderson, A.N. 9—71834
Murdoch, B.T. *see* Brown, R.E. 9—75998
Murdoch, B.T. *see* Greeniaus, L.G. 9—75961
Murdoch, H.S. Possible anisotropy of the spatial distribution of QSOs from the MC2 and MC3 catalogues 9—53929
Murdock, J.A. On the well-posed two-body problem in electrodynamics and special relativity. II 9—71241
Mureddu, L., Proverbio, E. Atmospheric radiometry programme features in the visible and infrared 9—100958
Murgatroyd, P.N. Optimum designs of circular coil system for generating nonuniform axial magnetic fields 9—68348
Murgatroyd, P.N. Least-squares estimation applied to a procedure for adjusting examination marks 9—80402
Murgich, J. On the temperature dependence of the ^{14}N NQR in K-TCNQ 9—82892
Murguzov, M.I. Investigation of electrical properties of Ln_2GeSe_5-type compounds 9—51585
Murguzov, M.I. Energy characteristics of $Ln_2A^{IV}Se_5$ compounds 9—51963
Murieta S, H., Rubio O, J., Aguilar S, G. Superposition-model analysis of the second- and fourth-order spin-Hamiltonian parameters of Fe^{3+} in the fluoroperovskite compounds. A new EPR study of Fe^{3+} in $KMgF_3$ 9—87311
Murillo, G., Berdichevsky, F., Cutler, C. Analysis of formant and pitch information for Spanish phonemes 9—64444
Murillo, G. *see* Berdichevsky, F. 9—64445
Murin, B.P. *see* Baldin, A.M. 9—72125
Murin, I.V., Glumov, A.V., Reiterov, V.M. Reorientation of dipoles in BaF_2:TR^{3+} 9—95705
Murin, V.A., Mandzhikov, V.F., Barachevskii, V.A. Spectral dependence of the photocoloring process for photochromic spiropyranes 9—66315
Murin, Yu.A. *see* Krasnov, L.V. 9—93627
Murina, T.M. *see* Ageev, V.P. 9—86616
Murinets-Markevich, B.N. *see* Verlin, B.I. 9—57807
Murkett, A.J. Physics in the ionosphere 9—97159
Murmann, H.C. *see* Gottstein, G. 9—91686
Murnaghan, G.A. *see* Mitchell, R.H. 9—57792
Murogov, V.M. *see* Shmelev, A.N. 9—59166, 9—71885
Murohashi, H. *see* Nishida, K. 9—73349
Murota, A., Hirata, T. Breaking of internal gravity wave on slope 9—81909
Murota, A., Nakatsuji, K. Mechanism of entrainment in buoyant surface jet. 1. Intermittency properties at stratified interface of three-dimensional buoyant surface jet 9—81940
Murota, J., Arai, E., Kobayashi, K., Kudo, K. Relationship between total arsenic and electrically active arsenic concentrations in silicon produced by the diffusion process 9—55773
Murota, T. *see* Abe, Y. 9—85279
Murota, T. *see* Murayama, A. 9—89138
Murotani, T. *see* Oomura, E. 9—64224
Muroyama, K., Hashimoto, K., Tomita, T. Heat transfer from wall in gas-liquid concurrent packed beds 9—50790
Murozono, M., Kitamura, S., Higuchi, M., Mochizuki, M. Applications of silicon solar cells to electronic equipment and appliances for consumers 9—83599
Murphree, J.S. *see* Moshupi, M.C. 9—70910
Murphree, J.S. *see* Wallis, D.D. 9—70911
Murphree, Q.C. *see* Miller, T.G. 9—89915
Murphy, C.H. Ruchhardt's experiment and atmospheric oscillations 9—71198
Murphy, D. *see* Hasan, F. 9—65157
Murphy, D.J., Jr., Farr, W.M., Ganapol, B.D. Power production and actinide elimination by fast reactor recycle 9—93756
Murphy, D.P. *see* Chiang, W.T. 9—86615
Murphy, D.T. Phonon spectroscopy in doped dielectric crystals 9—90738
Murphy, D.T. *see* Hasan, F.I. 9—82971, 9—87068
Murphy, D.V., Long, M.B., Chang, R.K., Eckbreth, A.C. Spatially resolved coherent anti-Stokes Raman spectroscopy from a line across a CH_4 jet 9—74476
Murphy, D.W., Carides, J.N. Low voltage behavior of lithium/metal dichalcogenide topochemical cells 9—92069
Murphy, D.W., Christian, P.A., DiSalvo, F.J., Carides, J.N. Vanadium oxide cathode materials for secondary lithium cells 9—92073
Murphy, D.W., Di Salvo, F.J., Carides, J.N. Vanadium disulfide: metal substitution and lithium intercalation 9—100395
Murphy, D.W. *see* DiSalvo, F.J. 9—73869
Murphy, E.J., Brophy, J.H. Atomic hydrogen beam source: a convenient, extended cavity, microwave discharge design 9—67427
Murphy, E.J., Brophy, J.H., Arnold, G.S., Dimpfl, W.L., Kinsey, J.L. Velocity and angular distributions of reactive collisions from Fourier transform Doppler spectroscopy: first experimental results 9—80692
Murphy, G.L. Light does not tire 9—71261
Murphy, J. *see* Jassby, D.L. 9—50898
Murphy, J.H., Janocko, M.A., Eckels, P.W. Superconductor design considerations for poloidal field coils in Tokamak fusion reactors 9—63236
Murphy, J.J., II *see* Skopik, D.M. 9—93587
Murphy, J.J., II *see* Uegaki, J. 9—80922
Murphy, K.P.N., Indira, R., Singh, R.S. Albedo-Monte-Carlo technique for neutron streaming through ducts 9—89345
Murphy, M.F. *see* Taylor, W.H. 9—85875
Murphy, M.J. *see* Davids, C.N. 9—54410
Murphy, P. *see* Kirchhoff, R.H. 9—83551
Murphy, P.D., Gerstein, B.C. Nuclear magnetic resonance studies of ^1H in zirconium halide hydrides: shielding tensors 9—69731
Murphy, P.H., Thompson, W.L., Moore, M.L., Burdine, J.A. Radionuclide computed tomography of the body using routine radiopharmaceuticals. I. System characterization 9—83905
Murphy, P.H. *see* Burdine, J.A. 9—83906
Murphy, R.M. *see* Janz, G.J. 9—92090
Murphy, V.G. *see* Tang, T.E. 9—84043
Murr, L.E. Quantitative evidence for dislocation emission from grain boundaries 9—66121
Murr, L.E., Inal, O.T. The role of substrate dislocations and grain boundaries in the nucleation and growth of thin electrochemical overgrowths. TEM and FIM studies 9—51454
Murr, L.E. *see* Birsoy, R. 9—56822
Murr, L.E. *see* Greulich, F. 9—91744
Murr, L.E. *see* Moin, E. 9—52360
Murr, L.E. *see* Rohr, D.L. 9—61715
Murr, L.E. *see* Wongwiwat, K. 9—57087
Murray, A., Campbell, R.W.F., Julian, D.G. Optimum ECG morphology and quality for increased accuracy in automatic analysis of 24 hour ECG recordings 9—70664
Murray, A. *see* Lewis, F.A. 9—50149
Murray, A.L., Lewis, C.H. Hypersonic three-dimensional viscous shock-layer flows over blunt bodies 9—60002
Murray, A.S. *see* Barnes, B.K. 9—49688
Murray, B.W. *see* Zamenhof, R.G. 9—70615
Murray, C.A. An astronomer's view of the pole 9—53703

Murray, C.A., Corben, P.M. A survey of trigonometric parallaxes and proper motions with the UK Schmidt telescope. I. Methods and first results, for stars brighter than B=14 in a field near the South Galactic Pole 9—66929

Murray, C.A. *see* Vasilevskis, S. 9—88711

Murray, C.N., Avogadro, A. Effect of a long-term release of plutonium and americium into an estuarine-coastal sea ecosystem. I. Development of an assessment methodology 9—70471

Murray, H. Principles of photovoltaic spectral analyser using thin sandwich films 9—95441

Murray, H., Piel, A. Characterization of interfacial effects in sputtered sandwich photocells 9—82685

Murray, J.B. Visual observations of Saturn's ring D 9—96966

Murray, J.C. On the scattering problem associated with wave propagation in a superfluid 9—55948

Murray, J.C. On the sound field due to a moving source in a superfluid 9—90054

Murray, J.G. *see* Jassby, D.L. 9—50898

Murray, J.J., Mart, P.L., Taylor, J.B. Phase relationships and thermodynamics of refractory metal pnictides: W_2As_3 and $TaAs_2$ decomposition pressures and stabilities of refractory metal pnictides 9—66042

Murray, J.J. *see* Johnson, J.R. 9—63838

Murray, J.J. *see* Mart, P.L. 9—87840

Murray, J.R., Goldhar, J., Eimerl, D., Szoke, A. Raman pulse compression of excimer lasers for application to laser fusion 9—59756

Murray, P.T., Baer, T. Observation of vibrationally excited ions in Franck-Condon gaps by threshold photoelectron spectroscopy 9—68262

Murray, R., Evans, B.L. The electro-absorption edge spectra of 2H-MoS_2 9—61395

Murray, R., Evans, B.L. The thermal expansion of 2H-MoS_2 and 2H-WSe_2 between 10 and 320K 9—65222

Murray, R.A., Blake, P.S. An inexpensive close-system water jet pump 9—67272

Murray, R.B. *see* Bogle, A.W. 9—92058

Murray, R.K. *see* Nelson, D.J. 9—96516

Murray, R.W. *see* Finklea, H.O. 9—96364

Murray, R.W. *see* Rolison, D.R. 9—91960

Murray, S. *see* Giacconi, R. 9—70941

Murray, W.H. *see* Lovell, L.P. 9—62823

Murray-Smith, A.I. *see* O'Callaghan, P.W. 9—86476

Murrell, J.N., Carter, S., Mills, I.M. Analytical potentials for triatomic molecules from spectroscopic data. VI. On choosing internal coordinates to describe triatomic potential energy surfaces with more than one minimum 9—76479

Murrell, J.N., Carter, S., Mills, I.M., Guest, M.F. Analytical potentials for triatomic molecules from spectroscopic data. V. Application to HOX (X=F, Cl, Br, I) 9—68203

Murrell, J.N. *see* Carter, S. 9—89620

Murri, R. *see* Raino, A. 9—87512

Murtagh, M.J. *see* Baltay, C. 9—75770

Murtas, G.P. *see* Bacci, C. 9—93440

Murtaza, G. *see* Ahmed, K. 9—60454

Murtaza, G. *see* Durrani, I.R. 9—60132, 9—64840

Murtaza, G. *see* Zafar Iqbal, M. 9—82741

Murthi, P.G.Krishna *see* Krishna Murthi, P.G.

Murthy, B.S. *see* Gopalakrishnan, K.V. 9—61961

Murthy, B.S. *see* Rastogi, R.G. 9—75028

Murthy, B.S. *see* Sastri, J.H. 9—53304

Murthy, G.R.Guru *see* Guru Murthy, G.R.

Murthy, G.S. *see* Radhakrishnamurty, C. 9—84243

Murthy, G.S.R.Krishna *see* Krishna Murthy, G.S.R.

Murthy, I.S.N., Rangaraj, M.R. New concepts for PVC detection [ECG analysis] 9—70657

Murthy, I.S.N., Rangaraj, M.R., Udupa, K.J., Goyal, A.K. Homomorphic analysis and modeling of ECG signals 9—74768

Murthy, I.V.Radhakrishna *see* Radhakrishna Murthy, I.V.

Murthy, J.V.S.S.N. *see* Ramji Rao, R. 9—82363

Murthy, K.N.V. The effects of Hall currents on the oscillatory MHD flow past a flat plate 9—98816

Murthy, K.P.N. *see* Indira, R. 9—85574

Murthy, K.Satyanarayana *see* Satyanarayana Murthy, K.

Murthy, M.S.S., Deorukhakar, V.V., Rao, B.S. Hyperthermic inactivation of diploid yeast and the interaction of damage caused by hyperthermia and ionizing radiation 9—96518

Murthy, M.V.K. *see* Narayana, K.B. 9—94478

Murthy, M.V.N. *see* Ramachandran, G. 9—75873

Murthy, N.S.Satya *see* Satya Murthy, N.S.

Murthy, R.S., Pandey, S. Geomorphological studies for exploration of groundwater in Rajasthan desert 9—53375

Murthy, S.Ramana *see* Ramana Murthy, S.

Murthy, T.G.Krishna *see* Krishna Murthy, T.G.

Murti, D.K. Preparation and properties of transparent conducting indium films 9—78215

Murty, A.A.N. *see* Savithry, T. 9—81210

Murty, A.S.Ramachandra *see* Ramachandra Murty, A.S.

Murty, A.V.Krishna *see* Krishna Murty, A.V.

Murty, Bh.Krishna *see* Krishna Murty, Bh.

Murty, Bh.V.Ramana *see* Ramana Murty, Bh.V.

Murty, J.V.S.S.N. *see* Ramji Rao, R. 9—86857

Murty, J.V.S.S.Narayana *see* Narayana Murty, J.V.S.S.

Murty, K.L., Yoon, K.K. Creep transients in Zircaloy cladding 9—57068

Murty, K.L. *see* Grivas, D. 9—57042

Murty, M.V.R.K., Shukla, R.P. Simple method for measuring the refractive index of a liquid 9—54174

Murty, M.V.R.K., Shukla, R.P. Method for measurement of parallelism of optically parallel plates 9—81549

Murty, V.R. *see* Reddy, R.S. 9—84765

Murugesan, M. *see* Rajendran, T. 9—57325

Murugesan, P. *see* Moravcsik, M.J. 9—75318

Murugov, V.M. *see* Dolgopolov, Yu.V. 9—59769

Murygin, V.I. *see* Egiazaryan, G.A. 9—73579

Murza, L.I., Bunto, T.V., Naidich, V.I., Emanuel', N.M. Proton magnetic relaxation in study of effect of tumors on organism of tumor-bearing animals 9—70577

Murzin, S.S. *see* Dolgopolov, V.T. 9—78261

Murzin, V.N. *see* Gavrilenko, V.I. 9—78018

Murzin, V.N. *see* Zayats, V.A. 9—87423

Murzina, E.A. *see* Baiburina, S.G. 9—80156, 9—80170

Murzinov, V.I., Shtauberg, I.F., Kulikov, E.T. Cauchois focussing with oblique-cut quartz analyzer crystal in X-ray spectrometer 9—52815

Musa, G., Mustata, I., Popescu, A., Baltog, A. Experimental data on the new type multielectrode thermionic converter 9—86622

Musa, G., Niculescu, N., Iova, I., Bursuc, I., Scheibner, H. Study of the excitation of gases by a short pulsed electron beam 9—89646

Musaelyan, I.N. *see* Belov, G.P. 9—52333

Musaelyan, V.V. *see* Gaidukova, V.S. 9—52178

Musaev, A.A., Tomtiev, D.S., Shakhtakhtinskii, M.G. Galvanomagnetic properties and energetic spectrum of solid solutions of Bi_{1-x}-Sb_x ($0.16 \leq X \leq 0.20$) 9—56248

Musaev, R.A. *see* Bakov, A.T. 9—76070

Musanov, S.V. Analytical study of free-molecule flow fields in the regions of the leading and trailing edges of a plate 9—86463

Musatov, M.I., Anan'eva, G.V., Morova, I.V. Block structure in optical corundum crystals 9—72637

Musatov, M.I., Belevtseva, L.I. Special aspects in the production of large zero-orientation optical corundum crystals 9—50457

Musatov, M.I. *see* Smirnova, T.A. 9—94202

Muscat, J.P., Newns, D.M. Simple model of hydrogen and lithium chemisorption on jellium substrates 9—60625

Muscat, J.P., Newns, D.M. Electronic structure of adsorbed alkali atoms for comparison with UPS data 9—87139

Muschenborn, W. *see* Lotter, U. 9—91689

Muschenborn, W. *see* Sonne, H.M. 9—66089

Muschik, G.M. *see* Janini, G.M. 9—90763

Muschlitz, E.E., Jr. *see* Cutshall, E.R. 9—64071

Muschol, E.-M. *see* von Boetticher, H. 9—53235

Muse, D. *see* Reals, H.C. 9—87802

Muser, H.E. *see* Barth, E. 9—91389

Muser, H.E. *see* Pawlaczyk, C. 9—51904

Musgrave, B. *see* Barish, S.J. 9—71742

Musgrave, B. *see* De Clercq, C. 9—89188

Musgrave, J.B. Alberta's roving planetarium 9—58508

Musgrave, M.J.P. *see* Hayes, M. 9—53987

Musgrove, A.R. de L., Allen, B.J., Macklin, R.L. Resonance neutron capture in ^{138}Ba and ^{140}Ce and the prompt neutron correction to γ-ray detectors 9—93610

Musha, T. *see* Nakazawa, M. 9—50354, 9—55152, 9—76700

Mushailov, E.S. *see* Bessmertnyi, A.M. 9—52198, 9—69748

Musher, S.L. The development of the Kolmogorov spectrum setting in a system of non-linear oscillators 9—60140

Mushiake, Y. *see* Itoh, M. 9—81559

Mushin, I.A. Use of sign coding in seismic data processing algorithms 9—62616

Mushin, I.A. *see* Tsyplakova, N.M. 9—84532

Mushlin, R.A. *see* Chan, I.Y. 9—64021

Mushotzky, R.F., Boldt, E.A., Holt, S.S., Serlemitsos, P.J. A change in the X-ray spectrum of Markarian 421 9—101196

Mushotzky, R.F. *see* Schwarz, J. 9—97090

Musi, L. *see* Cuniberti, C. 9—99344

Musick, R., Lucke, K. On the recrystallization textures of some binary aluminium alloys 9—91679

Musick, R. *see* Hirsch, J. 9—91702

Musicus, B.R., Lim, J.S. Maximum likelihood parameter estimation of noisy data 9—64418

Musielok, B. *see* Ciurla, T. 9—88594

Musienko, A.I. *see* Povkh, I.L. 9—77101

Musienko, L.E. *see* Volotskaya, V.G. 9—56449

Musienko, R.Ya. *see* Arbuzova, I.A. 9—87627

Musienko, R.Ya. *see* Koval', Yu.N. 9—83259

Musikhin, A.M. Deformation region stresses in the cold rolling of metal powders 9—61609

Musikhin, A.M. Strip densification in the forward slip zone in powder rolling 9—95972

Musikhin, L.A., Grazhulene, S.S., Shigorin, V.D. Influence of conditions of growth and heat treatment on the dislocation structure of single crystals of 4-m-toluylene diamine 9—95020

Musil, J., Zacek, F., Bardos, L., Loncar, G., Dragila, R. Plasma oxidation of silicon in a microwave discharge and its specificity 9—52406

Musilek, M. *see* Darickova, A. 9—67964

Musilova, M., Kaisheva, A., Mrha, J., Iliev, I., Gamburzev, S. Influence of the electrolyte content of oxygen carbon gas diffusion electrodes on their electro-chemical performance in acid solutions 9—52926

Musin, M.A. *see* Baldin, B.Yu. 9—68140

Musin, Ya.A. *see* Vasil'ev, I.A. 9—61932

Musinski, D.L., Henderson, T.M., Pattinson, T.R., Tarvin, J.A. The technology of solid-fuel-layer targets for laser-fusion experiments 9—49834

Muskens, P.J.W.M. The use of autocorrelation techniques for selecting optimal sampling frequency application to surveillance of surface water quality 9—53001

Muslim *see* Kim, Y.E. 9—59017

Musmann, G., Neubauer, F.M., Gliem, F.O., Kugel, R.P. Shock-identification-computer on board of the spacecrafts HELIOS-1 and HELIOS-2 9—92679

Mussajeljam, I.N. *see* Optow, W.A. 9—99347

Mussakhanyan, V.V. Charged particle motion in a medium along an electromagnetic wave 9—55037

Musser, D., Chien, C.L., Luborsky, F.E., Walter, J.L. The influence of carbon on the hyperfine interaction and Curie temperatures of amorphous $Fe_{84}B_{16-x}C_x$ 9—73858

Musser, D. *see* Chien, C.L. 9—95693

Musser, M.E. *see* Dahlberg, S.C. 9—78133, 9—78231

Musset, P. *see* Armenise, N. 9—67536, 9—93397, 9—93398

Mussett, A.E., McCormack, A.G. On the use of 3-dimensional plots in K-Ar dating 9—62601

Musso, A. *see* Aslanides, E. 9—85481

Musso, A. *see* Bos, K. 9—85531

Musso, B. *see* Castelli, G. 9—97800, 9—97895

Mustaev, K.Sh. *see* Mak, A.M. 9—89971

Mustafaev, Kh.A. *see* Guliev, N.A. 9—49446

Mustafaev, N.M. *see* Ragimov, K.G. 9—90625

Mustafakulov, D. *see* Vitovskii, N.A. 9—69158, 9—90647

Mustafayev, M.I. *see* Kabanov, V.A. 9—92120

Mustaffa, O.M., Ekstrom, L.P., Jones, G.D., Kearns, F., Morrison, T.P., Price, H.G., Simister, D.N., Twin, P.J., Wadsworth, R., Ward, N.J. Gamma-ray spectroscopy in ^{63}Zn and ^{63}Cu 9—85402

Mustaffa, O.M. *see* Ekstron, L.P. 9—59032

Mustafin, Ch.G. Determining the endurance limit of parts with stress raisers in asymmetric cycling 9—94558

Mustafin, K.S. *see* Mokhun', I.I. 9—94183

Mustafin, T.N. *see* Dvurechensky, A.V. 9—69124

Mustafin, Yu.I., Bobyl', V.G. Method for studying the mechanical properties of materials using the parameters for the propagation of surface vibrations 9—70249

Mustaklem, J.F., Ache, H.J. On the preparation of ^{80}Br-biomolecules: ^{80}Br-bromohippuric acid 9—88187

Mustata, I. *see* Musa, G. 9—86622

Mustel', E.R. *see* Chertoprud, V.E. 9—92580

Muster, W.J., Yoon, D.N., Huppmann, W.J. Solubility and volume diffusion of nickel in tungsten at 1640°C 9—86895

Mustin, A.A. *see* Milenin, V.M. 9—64916

Musulmanbecov, Zh. *see* Aksinenko, V. 9—97713

Musul'manbekov, Zh.Zh. *see* Barashenkov, V.S. 9—63646

Musul'manbekov, Zh.Zh. *see* Volodin, V.D. 9—97940

Musumeci, R.A. *see* Winters, J.L. 9—93250

Musy, A., Meylan, P., Morzier, C. Study of soil water balance components by teledetection 9—96773

Musyankov, S.I. *see* Gusev, E.A. 9—88911

Muszkat, K.A. *see* Rosenthal, I. 9—91977

Muta, H. *see* Terada, K. 9—69601

Muta, T. Mass generation in the Gross-Neveu model and the self-consistent β-function method 9—49466

Muta, T. *see* Kodaira, J. 9—93428

Mutchler, G.S. *see* Hoftiezer, J.H. 9—85509

Mutchler, G.S. *see* Pipin, G.P. 9—85316

Mutha Reddy, M., Somaiah, K., Vari Babu, H. Thermoluminescence of BaFBr crystals 9—95857

Muthanna, S.K. *see* Chandrashekhara, K. 9—98602

Muther, H. Mesonic and isobar degrees of freedom in nuclei 9—63600

Muther, H. *see* Anastasio, M.R. 9—75859

Muther, M. *see* Bleuler, K. 9—67576

Muthsam, H. Model atmospheres of the components of close binary stars 9—62869

Muthukumar, M., Freed, K.F. On the Stokes problem for a suspension of spheres at nonzero concentrations. II. Calculations for effective medium theory 9—81836

Muthuswamy, V.P. *see* Harinath, K.S. 9—68729

Muthuveerappan, G., Ganesan, N., Veluswami, M.A. A note on vibration of a cantilever plate immersed in water 9—81782
Muthuveerappan, Vr., Iynkaran, K., Kunchithapatham, M. Irrigation lift pump utilizing solar energy and biomass and solar powered lift pump 9—70461
Muthuveerappan, V.R., Iynkaran, K. Cost effective optimum design of solar air heaters 9—62039
Mutin, J.C., Watelle, G. Study of a lacunary solid phase. II. Morphological and kinetic characteristics of its formation 9—60299
Mutin, J.C., Watelle, G., Dusausoy, Y. Study of a lacunary solid phase. I. Thermodynamic and crystallographic characteristics of its formation 9—55731
Muto, K. *see* Kondoh, M. 9—68048
Muto, N. *see* Kohara, S. 9—78898
Muto, S., Ito, C., Harakawa, K. Measurement of single pass gain in BBOT dye vapor 9—55136
Muto, Y., Okada, Y., Kobayashi, N., Toyota, N., Ikebe, M. Interlayer coupling strength in superconductors, 2H-TaS_2 and 2H-$TaS_2(py)_{1/2}$ 9—56406
Muto, Y. *see* Fukase, T. 9—56381
Muto, Y. *see* Ikebe, M. 9—60972
Muto, Y. *see* Kobayashi, N. 9—60852
Muto, Y. *see* Noto, K. 9—95552
Mutoh, M., Kaieda, S., Kamimura, K. Convergence and disintegration of liquid jets induced by an electrostatic field 9—81986
Mutoh, S. *see* Fujisaki, H. 9—54328
Mutoh, T., Kinoshita, S., Sato, M., Obiki, T., Uo, K., Iiyoshi, A. Investigation of electron heating due to the kinetic shear Alfven wave in the toroidal plasma 9—90425
Mutou, M. *see* Hirao, Y. 9—72117
Mutt, V. *see* Tatemoto, K. 9—92448
Mutter, J.C. *see* Johnson, R.W. 9—88329
Mutter, K.H. *see* Haan, O. 9—80464
Mutterer, M. *see* Wastyn, P. 9—59084
Mutzenich, G. *see* Faymonville, R. 9—78118
Muzafarov, A.M. *see* Andreeva, L.N. 9—65835
Muzafarov, L.M. Dispersion relations for the $\gamma NN \rightarrow \gamma NN$ forward scattering amplitude and generalized optical theorem 9—93446
Muzafarov, V.M., Troitskii, V.E. A potential-less approach to the inverse scattering problem 9—85320
Muzalev, P.N. *see* Bulgakov, V.V. 9—75909
Muzalev, V.D. *see* Shumilov, M.A. 9—57081
Muzhdaba, V.M. *see* D'yakonov, M.N. 9—69418
Muzikar, P. The internal structure of a de Gennes disgyration in ^{3}He-A 9—60584
Muzikar, P. Energies of line singularities in ^{3}He-A 9—86954
Muzychka, Yu.A. *see* Orlova, O.A. 9—97740
Muzychuk, O.V., Saichev, A.I. Evolution of spectral correlation field characteristics in a one-dimensional medium with space-time inhomogeneities 9—71260
Muzychuk, O.V. *see* Malakhov, A.N. 9—85082
Muzyka, S.V. *see* Burnos, V.A. 9—70255
Muzykov, G.G., Prostetsov, G.P. Effect of sorption on mercury determination by the cold-vapor atomic-absorption method 9—52829
Muzzio, J.C. Photometric study of faint early-type stars in the southern Milky Way 9—62822
My Lam Thanh *see* Lam Thanh My
Myach, L.T. *see* Aksarin, N.N. 9—58055
Myachin, E.T. *see* Gariev, A.M. 9—57748
Myachkin, V.I. *see* Dolbilkina, N.A. 9—57870
Myagkov, A.G. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Myakinin, E.V. *see* Belyaevskii, A.I. 9—84597
Myakishev, V.A. *see* Egorov, G.S. 9—67130
Myakishev, V.M. *see* Evsyukov, F.F. 9—66247
Myakisheva, N.A. *see* Uzberg, L.V. 9—82594
Myasishcheva, G.G. *see* Barsov, S.G. 9—87370
Myasnikov, A.F. *see* Demidov, S.S. 9—59725
Myasnikov, E.N. *see* Davydov, A.S. 9—56826
Myasnikov, I.A. *see* Evlampiev, A.I. 9—52596
Myasnikova, L.P. *see* Belov, G.P. 9—52333
Myasnikova, R.M. *see* Abovyan, E.S. 9—55734
Myatt, G. *see* Blietschau, J. 9—93396
Mycielski, A. *see* Bastard, G. 9—91473
Mycielski, A. *see* Guldner, Y. 9—82960
Mycielski, W. *see* Bak, G. 9—65569
Mycielski, W. *see* Kania, S. 9—91169
Mydlarz, T. *see* Sosnowski, J. 9—56351
Mydosh, J.A. *see* Nieuwenhuys, G.J. 9—78368
Mydosh, J.A. *see* Verbeek, B.H. 9—61169
Mydosh, J.A. *see* Verbeek, B.H. 9—61170
Myers, A. *see* Nilaratna, B.P. 9—60822
Myers, A.L. *see* Glandt, E.D. 9—69223
Myers, C.E. *see* Hannay, M.H. 9—99307
Myers, D.K., Newcombe, H.B. Nuclear power and low level radiation hazards 9—100681
Myers, D.K., Stewart, C.G. Some health aspects of Canadian uranium mining 9—88140
Myers, D.R., Roitman, P., Mayo, S. Electrical characterization of low-dose ion-implanted silicon annealed with microsecond laser pulses 9—69137
Myers, D.R. *see* Wilson, R.G. 9—55770
Myers, E.G. *see* Jelley, N.A. 9—89637
Myers, J.O. *see* Baker, H.A. 9—79736
Myers, L.T., Karaoglan, E., Lambert, J.M., Treado, P.A., Romine, R.F., Slaus, I., Devins, D., Atlas, R.G. The ^{3}He(p,pp)d*/^{3}He(p,pp)d ratio at E=136 MeV 9—75999
Myers, L.T. *see* Karaoglan, E. 9—76011
Myers, L.T. *see* Lambert, J.M. 9—75863
Myers, L.T. *see* Rivenburg, H.C. 9—76004
Myers, P.C., Barrett, A.H., Sadowsky, N.L. Microwave thermography: principles, methods and clinical applications 9—100691
Myers, R., Field, S.B. Hyperthermia and the oxygen enhancement ratio for damage to baby rat cartilage 9—57712
Myers, R.T. Forces between molecules in liquids. I. Pure nonpolar liquids 9—95148
Myers, S. Overlap knock-out resonances with colliding bunched beams in the CERN ISR 9—76195
Myers, S., Peschardt, E. The efficiency of acceleration by phase displacement in the presence of RF noise 9—76231
Myers, S. *see* Ciapala, E. 9—72213, 9—76194
Myers, S. *see* Fischer, C. 9—68003
Myers, S.M. *see* Kant, R.A. 9—55766
Myers, W.J., Gjeldum, R.J., Liu, C.H., Yeh, K.C. A study of ionospheric scintillations of phase and quadrature components 9—80077
Myerscough, V.P. *see* Mahon, R. 9—81482
Mygind, J., Pedersen, N.F., Soerensen, O.H., Dueholm, B. Half-harmonic oscillations at RF induced steps in superconducting microbridges and tunnel junctions 9—56439
Mygind, J., Pederson, N.F., Soerensen, O.H., Dueholm, B., Levinsen, M.T. Low-noise parametric amplifications at 35 GHz in a single Josephson tunnel junction 9—95547
Mygind, J. *see* Bindslev Hansen, J. 9—91186
Mygind, J. *see* Pedersen, N.F. 9—65610
Mygind, J. *see* Soerensen, O.H. 9—78266
Mygind, T. *see* Jarlov, A. 9—57696
Myhrer, F. An important contribution to πD scattering in the resonance region 9—75793
Myhrer, F., Thomas, A.W. An important correction to πd scattering in the resonance region 9—97732
Myking, A.O. *see* Cruz Orive, L.M. 9—80571
Myklebost, K. *see* Armenise, N. 9—67533
Myklebost, K. *see* Bonetti, S. 9—49509
Myklebost, K. *see* Morfin, J.G. 9—71740
Mykura, H., Gleiter, H. Can gravitational torques be used to study grain boundary energy anisotropy? 9—60385
Myles, C.W., Buttet, J., Car, R. Model calculation of the size dependence of the CESR g shift in a small sodium particle 9—61220
Myles, C.W., Dow, J.D. Theory of alloys. I. Embedded-cluster calculations of phonon spectra for a one-dimensional binary alloy 9—77703
Myles, C.W. *see* Fedders, P.A. 9—61038
Mylnikov, G.D., Sobolenko, D.N., Shcheblykin, Yu.V. InSb laser with two-photon pumping by CO_2 laser radiation 9—86182
Myl'nikov, G.D. *see* Mishchenko, V.A. 9—94293
Myl'nikov, V.C. Spectral sensitization of copper organoacetylenides photoconduction by means of dyes 9—58824
Myl'nikov, V.S., Turovskaya, T.S., Pozdnyak, N.I., Zhdanov, G.S., Tikhomirov, G.P. Structure of zinc sulfide film produced by laser evaporation 9—82479
Myl'nikov, V.S., Voronin, S.P. Barrier instability in NaCl, KBr, CaF_2, and BaF_2 crystals in strong electric fields 9—69522
Myl'nikov, V.S., Voronin, S.P. Barrier instability in zinc sulfide crystals 9—91372
Mylopoulos, J. *see* Tsotsos, J. 9—70632
Mylvaganam, C.K. *see* Gaunt, P. 9—87285
Mymrikov, V.V. *see* Dubasov, B.G. 9—71489
Mymrin, S.A. *see* Vydrin, V.N. 9—100195
Mync, L. Exploratory studies on carbide fuel/coolant interactions 9—85613
Mynett, J.A., Hussain, I.M. Availability of solar energy at Baghad, Iraq: performance and design data for flat plate collectors 9—62092
Mynick, H.E., Sharp, W.M., Kaufman, A.N. Realistic Vlasov slab equilibria with magnetic shear 9—90440
Myra, J.R., Liu, C.S. Nonlinear stabilization of the ion-beam-cyclotron instability 9—98925
Myrabo, H.K. Voyager—to Jupiter and Saturn 9—92646
Myrianthopoulos, L.C. *see* Loomis, W.A. 9—71757
Myron, H.W. *see* Arko, A.J. 9—65369
Myron, H.W. *see* Van Kessel, A.T. 9—56120
Myron Strongin *see* Pick, M.A. 9—82345
Mysels, K.J. Transverse flow in high-temperature gas-cooled reactor graphite elements 9—67888
Myser, W.C. *see* Koval, T.M. 9—74725
Myshalov, S.V. *see* Potapov, Yu.M. 9—76896
Myshenkov, V.I. Calculation of viscous laminar jet flow in a slipstream 9—77209
Myshkin, V.A. *see* Sharovarov, G.A. 9—59157
Myshkin, V.E. *see* Baranov, D.G. 9—80176
Myshlyaev, M.M., Khodos, I.I., Sen'kov, O.N., Romanov, Yu.A. Dislocation structure of block boundaries in molybdenum and tungsten single crystals 9—77603
Myshlyaev, M.M., Kodos, I.I., Sen'kov, O.N., Romanov, Yu.A. Singularities of the dislocation structure of block boundaries in BCC single crystals 9—90670
Myshlyaev, M.M. *see* Aristova, I.M. 9—74200
Myshlyaev, M.M. *see* Kuz'min, S.L. 9—91735
Myshlyaev, M.M. *see* Likhachev, V.A. 9—83257
Myslyuk, M.A., Yasov, V.G. Approximate solutions of certain problems in the flow of viscoplastic media in channels with varying cross section 9—94680
Mysnik, A.I. *see* Apokin, V.D. 9—67615
Mysyrowicz, A. *see* Chase, L.L. 9—56138
Mytsyk, L.V. *see* Anatychuk, L.I. 9—63211
Myuller, G. *see* Komarov, V.I. 9—63706
Myung Hyo Chul *see* Hyo Chul Myung
Myung Ki Kim *see* Kim Myung Ki
Myung-Hwan Whangbo Mott-Hubbard condition for electron localization in the Hartree-Fock band theory 9—73417
Myznikova, B.I. Convection in a plane-horizontal fluid layer heated from below through a layer of finite thermal conductivity 9—68696
Mzhachikh, V.N. *see* Ksenofontova, S.S. 9—60217

Na, J.Y. *see* Krishnamurti, R. 9—57952
Na, T.Y., Chiou, J.P. Turbulent heat transfer for pipe flow with uniform heat generation 9—72893
Na, T.Y., Chiou, J.P. Laminar natural convection over a slender vertical frustum of a cone 9—77116
Na Chiengmai Suparb *see* Suparb Na Chiengmai
Naaijer, G.J. Photovoltaic solar system for water pumping. I 9—96428
Nabar, M.A., Bhole, A.M. A new class of triple orthoarsenates: preparation and crystallographic data 9—66028
Nabar, M.A., Paralkar, S.V. Studies on selenates. IV. Crystal chemical data for cobalt (II) selenate tetrahydrate 9—51073
Nabatov, G.V. *see* Zakharko, Yu.A. 9—57290
Nabatov, S.S., Dremin, A.N., Postnov, V.I., Yakushev, V.V. Measurement of the electrical conductivity of S at ultrahigh dynamic pressures 9—60881
Nabel, E. *see* Hecht, A. 9—91878
Nabelek, B. Utilization of solar energy beyond the 50th parallel 9—83564
Naber, J.A. *see* Lurie, N.A. 9—59277
Naberezhnykh, V.P., Fel'dman, E.P., Yurchenko, V.M. Interaction of charge and interface of anisotropic insulators 9—69584
Nabielek, H. *see* Reitsamer, G. 9—54507
Nabiev, M.A., Adygezalov, F.S., Azizov, B.M. An analytic method for determining the coercive force of ferromagnetic materials 9—73764
Nabiev, Sh.Sh. *see* Averin, V.G. 9—89896
Nabighian, M.N. *see* Edwards, R.N. 9—53531
Naboikin, Yu.V. *see* Aleksandrovskaya, N.G. 9—69866
Naboikin, Yu.V. *see* Avdeenko, A.A. 9—95827
Naboikin, Yu.V. *see* Gorobchenko, V.S. 9—87484
Nabutovskii, V.M., Shapiro, B.Ya. The superconductive states in the dislocation structures 9—69627
Nabutovskii, V.M. *see* Belosludov, V.R. 9—93074
Naccache, P.H., Volpi, M., Showell, H.J., Becker, E.L., Sha'afi, R.I. Chemotactic factor-induced release of membrane calcium in rabbit neutrophils 9—88095
Nachemson, A. *see* Berkson, M.H. 9—96597
Nachemson, A.L. *see* Schultz, A.B. 9—96596
Nacheva, Z., Khristova, Yu., Popova, M. On the application of the linear hereditary theory of viscoelasticity for thermosetting polymers 9—86357
Nachi, M. *see* Eto, T. 9—100152
Nachman, M. *see* Morin, G. 9—93173
Nachman, P. Molecular lines studies of dark clouds with associated young stellar objects 9—58390
Nachshen, D.A., Blaustein, M.P. Regulation of nerve terminal calcium channel selectivity by a weak acid site 9—62231
Nachtrieb, K. *see* Lefranc, G. 9—67446
Nachtweide, D. Description of a testing arrangement for elastomers 9—52552
Nackaerts, R., De Maeyer, M., Hellemans, L. Field dissociation effect on ion-pairs in a nonpolar medium 9—91061
Nad, F.Ya. *see* Antyukh, E.V. 9—62750, 9—96916
Nad', F.Ya. *see* Divin, Yu.Ya. 9—56440, 9—58796, 9—69635
Nad', F.Ya. *see* Latyshev, Yu.I. 9—56420, 9—73640
Nadal, R. *see* Carquillat, J.-M. 9—53854
Nadar, K.G. Frequency modulation by Josephson device 9—82724
Nadasen, A., Carey, T.A., Roos, P.G., Chant, N.S., Wang, C.W., Chen, H.L. $(\alpha,\alpha p)$ quasifree proton knockout reaction on ^{2}H, ^{6}Li, and ^{19}F 9—67650

Nadason, A. *see* Karaoglan, E. 9—76011
Nadeau, D., Geballe, T.R. Velocity profiles on the 2.1 micron H_2 emission line in the Orion Molecular Cloud 9—71094
Nadeau, S. *see* Boocock, D.G.B. 9—87945
Nadeikin, A.A. *see* Katranovskii, V.A. 9—63316
Nadel, S. *see* Blattner, R.J. 9—91557
Nadezhdin, G.N. *see* Vainshtok, V.A. 9—90189
Nadezhdin, V.S., Petrov, N.I., Rozanova, A.M., Satarov, V.I. The process of quasielastic ejection of proton-pairs from ^{6}Li and ^{12}C nuclei by 640 MeV protons 9—59067
Nadezhdinskii, A.I. *see* Anzin, V.B. 9—76714
Nadgornyi, E.M. *see* Simun, E.A. 9—72638
Nadirashvili, Z.Sh., Tsakadze, J.S. Shift of the angular speed of collectivization of vortex oscillations in rotating helium II under high pressure 9—51326
Nadirashvili, Z.Sh., Tsakadze, J.S., Islander, S.T. Relaxation phenomena in pressurized rotating He II 9—99381
Nadjmi, M. *see* Bockhorn, J. 9—92344
Nadkarni, D.M. *see* Choudhury, R.K. 9—85865
Nadkhin, A.I. *see* Babenko, S.D. 9—95906
Nadler, C.J. Problems connected with electrostatic charges 9—64140
Nadler, H.L. *see* Elsley, R.K. 9—52614
Nadler, S. *see* Zidulka, A. 9—83825
Nadolinnyi, V.A. *see* Shcherbakova, M.Ya. 9—51842
Nadon, L.A. *see* Wood, G.H. 9—87200
Nadtochii, A.V. *see* Volkov, Yu.M. 9—85434
Nadyozhin, D.K. *see* Imshennik, V.S. 9—84657
Nadzhafov, A.I., Rustamov, P.G., Kurbanov, T.Kh., Aliev, O.M., Ali-Zade, M.Z. Phase diagram of the system GaS-SmS 9—78939
Nadzhafov, I.M., Mirantsev, L.V. Photoproduction of an electron-positron pair in crystals with allowance for linear polarizations of the γ-quantum and longitudinal polarizations of the lepton and antilepton 9—75969
Nadzhakov, E. *see* Bochev, B. 9—97648
Nadzharyan, G.N. *see* Arakelyan, A.R. 9—87345
Nadzhin, A.E. *see* Gaidukova, V.S. 9—52178
Naemura, S. Anisotropic interactions between MBBA and surface-treated substrates 9—99070
Naerheim, Y. Determining the temperature in cemented carbides from the amount of tungsten dissolved in the binder 9—96264
Naess, O.E. Superstack—an iterative stacking algorithm 9—92612
Nafie, L.A., Diem, M. Theory of high frequency differential interferometry: Application to the measurement of infrared circular and linear dichroism via Fourier transform spectroscopy 9—71514
Nafie, L.A., Diem, M., Vidrine, D.W. Fourier transform infrared vibrational circular dichroism 9—99845
Nafie, L.A. *see* Prasad, P.L. 9—82033
Naftalin, R.J. *see* Ilundain, A. 9—66454
Naftilan, S.A., Milone, E.F. A spectroscopic study of the close binary CG Cygni 9—97031
Nafziger, R.H., Tress, J.E., Paige, J.I. Carbothermic reduction of domestic chromites 9—61900
Nagabhooshanam, M. *see* Shekhar, M.C. 9—91156
Nagaev, A.I. *see* Balakshii, V.I. 9—59832
Nagaev, E.L. New type of exchange Hamiltonian and the properties of ferromagnetic semiconductors with defects 9—82777
Nagaev, E.L., Kovalenko, A.A. A new type of magnetic phase transformation of the first kind (PT1) 9—69670
Nagaev, E.L. *see* Kovalenko, A.A. 9—65684
Nagaev, E.L. *see* Lidorenko, N.S. 9—90962
Nagaev, R.F. *see* Gershman, M.D. 9—67161
Nagahama, K. *see* Hoshino, D. 9—77737
Nagai, A. *see* Takahashi, K. 9—91815
Nagai, H., Mitani, H., Murai, T. The role of rare earths and reactive elements in high-temperature oxidation behavior of Fe-20Cr alloy 9—79178
Nagai, H., Murai, T., Mitani, H. Effect of addition of La or Y with Al on the high-temperature oxidation of Fe-20Cr alloy 9—100302
Nagai, H., Murai, T., Okabayashi, M., Mitani, H. The improvement effects of yttrium addition on the high-temperature oxidation resistance of Fe-20Cr alloy 9—70223
Nagai, H., Noguchi, Y. Surface-treatment effect on photoluminescence of InP 9—78727
Nagai, H., Tohno, S., Mizushima, Y. Properties of ambient-enhanced photoluminescence from InP and GaAs surfaces 9—99925
Nagai, H. *see* Sugawara, F. 9—97421
Nagai, K., Katayama, M., Mikuni, H., Takahasi, M. Infrared photochemical reaction of C_2F_3Cl induCED BY A TEA CO_2 laser 9—57257
Nagai, K. *see* Ohta, M. 9—90082
Nagai, K. *see* Takei, K. 9—78909
Nagai, M. *see* Ishihara, J. 9—100250, 9—100308
Nagai, M. *see* Kurotu, T. 9—91303
Nagai, M. *see* Miyairi, H. 9—74233
Nagai, N. *see* Miki, N. 9—81660
Nagai, N. *see* Nomura, T. 9—81661
Nagai, O., Sasakura, H. Theory of temperature dependence of surface ferromagnetic resonance frequency in a semi-infinite crystal 9—65742
Nagai, O. *see* Diep-The-Hung 9—78452
Nagai, O. *see* Harada, I. 9—73783
Nagai, S. A new interpretation of critical ultrasonic absorption in the nematic phase of liquid crystals 9—65174
Nagai, T., Kuwashima, M., Kawamura, M., Kohno, T. GMS proton flux observation during February 1978 9—75056
Nagai, T., Natori, K. The use of fractography in the study of failure analysis of metal parts used in electronic devices 9—61811
Nagai, T. *see* Baba, Y. 9—87045
Nagai, T. *see* Kishi, T. 9—91826
Nagai, Y. *see* Sakai, H. 9—93641
Nagakawa, J., Meshii, M., Loomis, B.A. Effect of electron irradiation on the low temperature deformation of niobium 9—55784
Nagakura, M. *see* Yamamoto, H. 9—83148
Nagakura, S. *see* Hirotsu, Y. 9—94946
Nagakura, S. *see* Nittono, O. 9—51461
Nagakura, S. *see* Toyoshima, M. 9—96042
Nagalingam, S.J.S. *see* Miley, G.H. 9—86171
Nagami, M. *see* Ohasa, K. 9—64906
Nagamine, K. Negative muon spin rotation in solids 9—56705
Nagamine, K. *see* Hayano, R.S. 9—56671
Nagamine, K. *see* Nishida, N. 9—56664, 9—56687
Nagamine, K. *see* Uemura, Y.J. 9—56669
Nagamine, K. *see* Yamazaki, T. 9—56707
Nagamiya, S. *see* Lemaire, M.-C. 9—80952
Nagano, H. Effect of finite ion Larmor radius on the Kelvin-Helmholtz instability of the magnetopause 9—80096
Nagano, H. Nonlinear Kelvin-Helmholtz instability in hydromagnetics 9—90393
Nagano, H. *see* Fujii, G. 9—87090
Nagano, H. *see* Oda, Y. 9—60996, 9—85139
Nagano, K., Kawakami, S., Nishida, S. Curvature distributions and mode conversion effects due to a mode scrambler for multimode optical fibers 9—98500
Nagano, K. *see* Aoki, Y. 9—89301
Nagano, K. *see* Karasudani, T. 9—63174
Nagano, S., Ichimaru, S., Totsuji, H., Itoh, N. Lifetime of surface-state electrons on liquid helium: relation with the chemical potential of the electron liquid 9—78028
Nagano, Y. *see* Hishida, M. 9—77254
Nagao, H. *see* Ohba, T. 9—81100
Nagao, H. *see* Okano, M. 9—68608
Nagao, K., Takaoka, N., Matsubayashi, O. Isotopic anomalies of rare gases in the Nigorikawa geothermal area, Hokkaido, Japan 9—88314
Nagao, M., Kiriki, M., Muraishi, H., Morimoto, T. Differential heat of chemisorption. II. Chemisorption of carbon dioxide and ammonia on zinc oxide 9—52759
Nagao, M. *see* Sawa, G. 9—91374
Nagao, M. *see* Tsubouchi, K. 9—56327
Nagao, S. *see* Sakagami, Y. 9—63809
Nagao, T. The stress-strain relations of granular materials. II. The expressions of stresses for the case with intergrain slip 9—99261
Nagaoka, Y. *see* Jichu, H. 9—86960
Nagaraj, R., Shamala, N., Balaram, P. Stereochemically constrained linear peptides. Conformations of peptides containing α-aminoisobutyric acid 9—81311
Nagarajan, P.S. *see* Bhatia, D.P. 9—96664
Nagarajan, S. *see* Namasivayam, R. 9—98245
Nagarajan, T. *see* Ramasamy, S. 9—97979
Nagaratnam, A. Current status of indigenous production of nuclear medicine equipment 9—96653
Nagaratnam, A. *see* Jain, M.P. 9—62375
Nagard, N.Le *see* Le Nagard, N.
Nagasaka, H. *see* Takeuchi, M. 9—87174
Nagasaka, M., Nakanishi, K., Ohbu, Y. The effect of heat of vaporization on the diffusion coefficients observed by diffusion cell of Stefanian type 9—86882
Nagasaka, M., Vasofsky, R., Helbig, H.F. ISS study of the oxidation of Au on Cu (300 Å) thin films 9—79153
Nagasaka, S. *see* Kamikawa, T. 9—82858
Nagasawa, A., Matsuo, Y., Suzuki, T., Nakanishi, N., Morimoto, H., Takano, M. Elastic anomalies and special mode softening preceding martensitic phase transition in Au-Ag-Cd alloys 9—91647
Nagasawa, H., Yamakoshi, K., Shimamura, T. Trace element concentrations in silicate spherules from oceanic sediments 9—84755
Nagasawa, H. *see* Kaneko, K. 9—77933
Nagasawa, K. An analysis of sonic boom from a great fireball on May 10, 1977, recorded on seismographs of volcano observatories 9—66962
Nagasawa, K. A method for precise determination of meteor shower radiant by means of photographs 9—101085
Nagasawa, M. *see* Isono, Y. 9—64506
Nagase, F. *see* Iwanami, H. 9—53942
Nagashima, K. Quenching effect of oxygen on tunable dye laser 9—72564
Nagashima, K., Asakura, T. Simple computer-generated hologram displayed by an x-y plotter 9—55088
Nagashima, K., Asakura, T. Lasing characteristic in dye lasers [using] mixed dyes 9—59693
Nagashima, S., Ogura, I. Effects of electron irradiation on the surface coverage of vacuum deposited Te films 9—82477
Nagashima, S. *see* Abe, H. 9—87659
Nagashima, T. Attractors in the non Morse-Smale dissipative dynamical systems 9—75447
Nagashima, T. *see* Imai, T. 9—90426
Nagashima, T. *see* Shimada, I. 9—88878
Nagashima, Y. *see* Sanada, J. 9—71857
Nagata, F., Matsuda, T. High resolution observation of biological specimens by an incoherent illumination method 9—57820
Nagata, I. Thermodynamic properties of alcohol-inert component mixtures 9—52748
Nagata, I., Kawamura, Y. Excess thermodynamic functions and complex formation in binary liquid mixtures containing acetonitrile 9—52736
Nagata, I. *see* Marutani, Y. 9—55076, 9—55170
Nagata, K. Particle identification limits with silicon ΔE.E counter telescope 9—81133
Nagata, K., Okuda, K. Sidebands on EPR lines in copper benzoate 9—78508
Nagata, K. *see* Nishikawa, S. 9—91718
Nagata, M., Katayama, T., Sawaragi, Y. Prediction of river flows by multiplicative model 9—53399
Nagata, R. *see* Kubo, H. 9—72492
Nagata, R. *see* Uozato, H. 9—93208
Nagata, S., Keesom, P.H., Harrison, H.R. Low-DC-field susceptibility of CuMn spin glass 9—69684
Nagata, T. Charge changing collisions of atomic beams in alkali-metal vapors. I. Formation of H^-, C^- and S^- ions 9—50128
Nagata, T. Charge changing collisions of atomic beams in alkali-metal vapors. II. Total cross sections for one-electron capture by C^+, O^+, S^+ ions and C, O, S atoms 9—59553
Nagata, T. Charge changing collisions of atomic beams in alkali-metal vapors. III. Formation of H(2s) atoms from H^+ ions 9—64101
Nagatani, K. *see* Frohlich, H. 9—67767
Nagatani, K. *see* Ishihara, M. 9—80951
Nagatani, T. Coarse-grained equations of sound-wave propagation in two-phase random media. Renormalisation of physical properties 9—86280
Nagatani, T. Statistical theory of effective viscosity in a random suspension 9—90290
Nagatomo, M., Ishiwara, H., Furukawa, S. Studies on formation characteristics and mechanism of SiC on Si and metal-silicides by using ion backscattering techniques 9—60653
Nagatomo, T., Endo, M., Omoto, O. Fabrication and characterization of SnO_2/n-Si solar cells 9—79393
Nagaya, K. Vibration of a viscoelastic plate having a circular outer boundary and an eccentric circular inner boundary for various edge conditions 9—81760
Nagaya, K. Vibrations of a plate with an elastic constraint of eccentric circular part 9—90165
Nagaya, K. Approximate dynamic analysis of Timoshenko beams and its application to tapered beams 9—98656
Nagaya, K. *see* Okazaki, K. 9—98652
Nagchoudhuri, D. *see* Bhattacharyya, A.B. 9—56286
Nagel, A. *see* Bolger, J. 9—85532
Nagel, A. *see* Nikutta, W.P. 9—76320
Nagel, D.A. *see* Seering, W.P. 9—92271
Nagel, D.J. *see* Loter, N.G. 9—60192
Nagel, D.J. *see* McKay, J.A. 9—86595
Nagel, H. Coercivity and microstructure of $Sm(Co_{0.87}Cu_{0.13})_{7.8}$ 9—56569
Nagel, H. An analytical study of momentum and heat transfer on turbulent forced convection in rectangular channels with allowance for secondary effects 9—77259
Nagel, H. *see* Menth, A. 9—65696
Nagel, J., Rogovin, D., Avizonis, P., Butts, R. Asymptotic approaches to marginally stable resonators 9—94262
Nagel, K. Weather simulation with the multi microprocessor system SMS 201 9—53500
Nagel, M. *see* Hartmann, E. 9—54769
Nagel, M. *see* Hinneburg, D. 9—67708
Nagel, P.B. *see* Mateja, J.F. 9—89324
Nagel, S., Baldereschi, A., Maschke, K. Tight-binding study of the electronic states in GaSe polytypes 9—60705
Nagel, S.R., Walker, K.L., Geyling, F.T. Thermophoretic deposition of small particles in the modified chemical-vapor deposition process 9—52123
Nagel, S.R. *see* Grest, G.S. 9—73501
Nagel, S.R. *see* Hauser, E. 9—95865
Nagel, W. *see* Kumbartzki, G.J. 9—99800
Nagelberg, A.S., Worrell, W.L. A thermodynamic study of sodium-intercalated TaS_2 and TiS_2 9—100396
Nagele, W., Knorr, K., Blanckenhagen, P., Suck, J.B. Spin relaxation in the amorphous spin glass $Al_2Mn_3Si_3O_{12}$ 9—65685

Nagelkerke, N.J.D., Strackee, J. Some notes on the statistical properties of a posteriori Wiener filtering 9—88045
Nagels, M.M., Rijken, T.A., de Swart, J.J. N-N potential from Regge-pole theory 9—67526
Nagels, P. *see* Colson, R. 9—51608
Naghdi, P.M. On the applicability of directed fluid jets to Newtonian and non-Newtonian fluids 9—60019
Naghizadeh, J. *see* Massih, A.R. 9—100581
Nagi, A.D.S. *see* Mohabir, S. 9—73639, 9—87201
Nagi, M.R. *see* Ivanov, I.G. 9—91766
Nagib, H.M. *see* Corke, T.C. 9—94743
Nagib, H.M. *see* Wigeland, R.A. 9—60074
Nagib, M., Jacobs, H., Kistrup, H. Neutron diffraction by strontium deuteroamide, $Sr(ND_2)_2$, at 31 to 570K 9—69085
Nagibarov, V.R., Khasanov, O.Kh. The effect of retarded interaction on the self-induced transparency phenomenon 9—55191
Nagibarov, V.R., Kus'min, V.S., Nagibarova, I.A., Saiko, A.P. Phonon superradiant phase transition in paraelectrical systems 9—69206
Nagibarov, V.R., Kuz'min, V.S., Sayko, A.P. Influence of nonradiative relaxation on phase transition in the Dicke model 9—50273
Nagibarov, V.R. *see* Bogdanov, E.I. 9—98448
Nagibarova, I.A. *see* Bogdanov, E.I. 9—98448
Nagibarova, I.A. *see* Nagibarov, V.R. 9—69206
Nagibina, I.M. *see* Gubkin, Yu.S. 9—55083
Nagin, A.P. *see* Maslovskii, V.M. 9—73600, 9—99632
Nagino, Y., Shodai, N., Matsumoto, C., Ito, M., Ueji, M. Effect of partially bowed heated rod on DNB in coldwall thimble cell geometry 9—54470
Nagl, A. *see* Milder, F.L. 9—59049
Nagle, D.E. Physics uses of intense proton beams at 10-20 GeV 9—85838
Nagle, D.E., Bowman, J.D., Hoffman, C., McKibben, J., Mischke, R., Potter, J.M., Frauenfelder, H., Sorenson, L. Parity violation in the scattering of 15 MeV protons by hydrogen 9—63499
Nagle, D.E., Bowman, J.D., Hoffman, C.M., Mischke, R.E., Potter, J.M., Lockyer, N., Romanowski, T.A., Moffett, D.R., Nelson, B., Sawyer, W.H., Swallow, E.C., Talaga, R.L., Alde, D.M. Search for parity violation in polarized proton scattering at 6 GeV/c 9—63500
Nagle, D.E. *see* Carrington, R.L. 9—76257
Nagle, D.E. *see* Frank, J.S. 9—85329
Nagler, S. *see* Dale, R.M. 9—64207
Naglyuk, Ya.V. *see* Popov, V.P. 9—61746
Nagornyi, S.I., Inopin, E.V. Electrofragmentation of p-shell nuclei 9—67746
Nagornyi, V.G., Pleshakov, V.F. A method of normalizing the diffraction spectra of weakly absorbing paracrystalline materials 9—60220
Nagoya, T., Hayashi, Y., Ohtani, N. Anodic characteristics of Ni rich alloys measured by the AC impedance method 9—70224
Nagpal, J.S. *see* Ramanathan, G. 9—93839
Nagpal, K.C., John, P.T. The complete identity of the isotherm equations of Dubinin and John for determination of the volume and degree of microporosity of carbon 9—51419
Nagpaul, K.K. *see* Chakarvarti, S.K. 9—79354
Nagpaul, K.K. *see* Parshad, R. 9—84230
Nagpaul, K.K. *see* Saini, H.S. 9—100827
Nagraba, S. *see* Denus, S. 9—68939
Nagraba, S. *see* Kaliski, S. 9—94276
Naguib, H.M., Nentwich, H., Westwood, W.D. Structure and epitaxy of evaporated cadmium selenide films 9—77939
Nagulin, Yu.S., Pavlycheva, N.K. Plane transmission diffraction grating in an converging beam 9—72693
Nagulin, Yu.S. *see* Gorbachev, S.F. 9—93226
Nagumo, S. *see* Kasahara, J. 9—79749
Nagura, M. *see* Ishikawa, H. 9—96097
Nagurka, M.L., Hayes, W.C. An automated method for characterizing cross-sectional properties of complex shapes 9—79595
Nagy, A. *see* Hoffmann, G. 9—51139
Nagy, A.F. *see* Brace, L.H. 9—80256
Nagy, A.F. *see* Chameides, W.L. 9—96940
Nagy, A.F. *see* Cravens, T.E. 9—75127
Nagy, A.F. *see* Gombosi, T. 9—80257
Nagy, A.F. *see* Waite, J.H. 9—80068
Nagy, C. *see* Boda, D. 9—100785
Nagy, C. *see* Ibranyi, G. 9—100786
Nagy, D. Taylor expansion of the theoretical gravity formula 9—100807
Nagy, D., Cutler, P.H., Feuchtwang, T.E. Many-body and spin-dependent surface potential effects in spin-polarized field emission from metals 9—74065
Nagy, D.L. *see* Dezsi, I. 9—65775
Nagy, P. *see* Barta, S. 9—63132
Nagy, T.A. *see* Heinsheimer, T.F. 9—101091
Nagy, Z. *see* Boda, D. 9—100785
Nagy, Z. *see* Kovacs, A.B. 9—62310
Nagy-Felsobuki, E., Peel, J.B. Core pseudopotential valence electron calculations on diatomic molecules containing second-row atoms 9—72233
Naha, S.C. *see* Ghosh, D.C. 9—54362, 9—71767, 9—80848, 9—80852, 9—93467
Nahar, R.K. *see* Bhattacharyya, A.B. 9—56286
Nahas, N.C., Gallagher, J.E., Jr. Catalytic gasification predevelopment research 9—52870
Nahavandi, A.N., Castellana, F.S., Moradkhanian, E.N. Scaling laws for modeling nuclear reactor systems 9—93690
Nahavandi, A.N. *see* Shah, V.N. 9—81004
Nahm, W. Interacting monopoles 9—85225
Nahmias, C. *see* Coates, G. 9—100655
Nahnhauer, R. *see* Deutschmann, M. 9—85345
Nahnhauer, R. *see* Girtler, P. 9—89197
Nahory, R.E. *see* Gordon, J.P. 9—88999
Nahory, R.E. *see* Mahajan, S. 9—86791
Nahrstedt, D.A., Schooley, L.C. Alternative approach in decision theory as applied to the resolution of two point images 9—81375
Nai-Ben Ming *see* Ming Nai-Ben
Nai-cheng Shen *see* Shen Nai-cheng
Nai-Guang Geng *see* Geng Nai-Guang
Nai-Ho Cheung, Cool, T.A. Franck-Condon factors and r-centroids for the $B^2\Sigma$-$X^2\Sigma$ systems of HgCl, HgBr, and HgI 9—64051
Nai-hsien Mao *see* Chi-yuen Wang 9—84234
Naida, A.P. *see* Gabovich, M.D. 9—68934
Naida, O.N. Geometrical acoustics of three-dimensionally inhomogeneous anisotropic media 9—64372
Naida, O.N. 'Tangential' conic refraction in a three-dimensionally inhomogeneous and weakly anisotropic medium 9—98291
Naida, O.N., Smorodinskii, Ya.A. Optical isotropy of space and its relation to the equivalence principle 9—62944
Naida, Yu.I., Repeshko-Kravchenko, S.I., Kil'dii, A.I., Yarusevich, L.I., Nichiporenko, O.S., Loskutov, G.P. Production and application of atomized PSr3Kd soldering alloy powders at the Riga electric locomotive factory 9—100073
Naida, Yu.I. *see* Manokhin, A.I. 9—100090
Naidan, D., Sapezhinskii, I.I. Photochemiluminescence of tryptophan-containing peptides and proteins on photo-oxidation. VII. Mechanism of eosin-sensitized photochemiluminescence of solutions of human serum albumin 9—53044
Naidan, V.M. *see* Chernyshova, S.P. 9—52497
Naiden, E.P. *see* Kovtun, N.M. 9—95580
Naiden, E.P. *see* Zhilyakov, S.M. 9—73762
Naidenova, G.P., Gladyshev, V.M., Pavlov, N.N., Smirnova, O.V., Zacs, Yu.B. The stability of modified polycarbonates subjected to light 9—57268
Naidich, V.I. *see* Murza, L.I. 9—70577
Naidich, V.I. *see* Sergeev, A.I. 9—70578
Naidu, B.S., Mohan, S., Jayarama Reddy, P. Effect of post-deposition heat treatment on the electrical resistance and structure of germanium films 9—78229
Naidu, K.B. On the application of radiation condition for a source in a rotating stratified fluid 9—64676
Naidu, K.B. Viscous stratified flow in an oscillating cylinder 9—98782
Naidyuk, Yu.G. *see* Lysykh, A.A. 9—95511
Naik, I.K., Tien, T.Y. Electrical conduction in Nb_2O_5-doped cerium dioxide 9—99546
Naik, P., Rajeswara Rao, N. Infrared intensity analysis of CH_2Cl_2 and CD_2Cl_2 in vapour and liquid states 9—64003
Naim, M.A., Szalay, A. Evidence for the existence of ^{203}Au 9—63635
Naimanbaev, R. *see* Yuabov, Yu.M. 9—69549
Naimzhanov, A. Weakening of correlations in one-dimensional spin systems with long-range interaction 9—95561
Nain, V.P.S. *see* Aziz, R.A. 9—68291
Nair, C.V.G., Vijendran, P. Characteristics of a high vacuum sorption pumped system 9—71470
Nair, K.Viswanathan *see* Viswanathan Nair, K.
Nair, L.G. A double-wavelength nitrogen-laser-pumped dye laser 9—94241
Nair, M.K.V., Misra, B.M. Electrolytic deposition for scale control in sea water distillation 9—66302
Nair, P.K. *see* Pillai, P.K.C. 9—82919
Nair, S. *see* Harte, G.A. 9—85702
Nairn, J.A. *see* Friesner, R. 9—87305
Nairn, J.A. *see* Pearlstein, R.M. 9—57586
Naish, P. An electromechanical optical shutter 9—68435
Naish, V.E. Certain problems in describing the magnetic structures of crystals 9—82757
Naish, V.E. *see* Izyumov, Yu.A. 9—51749, 9—65648, 9—99679, 9—99680
Naito, H. *see* Nakayama, T. 9—86265
Naito, K., Inaba, H., Ishida, M., Seta, K. Measurement of heat capacity of semiconducting materials by direct heating pulse method at high temperatures 9—67302
Naito, K. *see* Shishido, M. 9—84516
Naito, M. *see* Iikura, Y. 9—57501
Naito, M. *see* Kitabatake, Y. 9—57515
Naito, M. *see* Nunogaki, M. 9—90423
Naito, Y. Phase stability of the new local oscillator system for the λ 8-cm radioheliograph at Toyokawa 9—101073
Naitoh, M., Chino, K., Kawabe, R. Restrictive effect of ascending steam on falling water during top spray emergency core cooling 9—49704
Naitoh, T., Ono, S. The shear viscosity of a hard-sphere fluid via nonequilibrium molecular dynamics 9—68996
Najim, M. *see* Aboutajdine, D. 9—66843
Najita, K., Yuen, P.C. Long-period oceanic Rayleigh wave group velocity dispersion curve from HF Doppler sounding of the ionosphere 9—70756
Nak Sam Chung, Meyer, S.L., Meiher, R.L. Electron-nuclear double-resonance study of $NaF:Fe^+$ associated with a Na^+ vacancy 9—61264
Nak-Ho Sung, Suh, N.P. Effect of fiber orientation onfriction and wear of fiber reinforced polymeric composites 9—79125
Naka, H. *see* Kanesaka, I. 9—82970
Naka, K. *see* Yasui, S. 9—57649
Naka, M., Hashimoto, K., Inoue, A., Masumoto, T. Corrosion-resistant amorphous Fe-C alloys containing chromium and/or molybdenum 9—66211
Naka, M., Hashimoto, K., Masumoto, T. Change in corrosion behavior of amorphous Fe-P-C alloys by alloying with various metallic elements 9—66212
Naka, M., Hashimoto, K., Masumoto, T. Effects of alloying elements on the corrosion behavior of amorphous cobalt-base alloys 9—96215
Naka, M., Masumoto, T. Effect of metalloidal elements on the thermal stability of amorphous iron-base alloys 9—94909
Naka, M. *see* Hashimoto, K. 9—96185, 9—96214
Naka, S. Canonical approach to spinning particles 9—97298
Naka, S., Penelle, R., Lacombe, P., Valle, R. Study of the primary recrystallization of alpha titanium by three-dimensional analysis of textures and by in-situ annealings in the IMV electron microscope 9—91677
Nakabayashi, Y. *see* Nakagawa, T. 9—59942
Nakach, A. *see* Aknin, J.P. 9—68001
Nakada, I., Matumura, O. Growth of magnesium oxide single crystals with a modified plasma torch furnace 9—95923
Nakada, I. *see* Mitani, T. 9—91513
Nakada, M.P. On the foci of Tandem Wadsworth spectrographs 9—49298
Nakada, M.P. Coronal hole boundary brightness in λ284 of Fe XV 9—84775
Nakada, Y. *see* Honda, M. 9—66965
Nakafuku, C. *see* Scheinbeim, J. 9—90568
Nakagawa, H., Ishimaru, H., Shibata, S. Beam diagnostics with wall current monitor 9—72080
Nakagawa, H., Nezu, I. Bursting phenomenon near the wall in open-channel flows and its simple mathematical model 9—81974
Nakagawa, H., Zukotynski, S. Drift velocity of holes in germanium and silicon 9—95415
Nakagawa, I. *see* Konishi, S. 9—78663
Nakagawa, J.K. *see* Langford, S.A. 9—58772
Nakagawa, K., Yamaguchi, K., Ogawa, T., Mochida, Y. Variable equalizer for step-index fiber transmission system 9—55243
Nakagawa, K., Yoneda, E. A multilevel pulse transmission by pulse width modulation over optical fiber 9—55078
Nakagawa, K. *see* Arisaka, I. 9—71617
Nakagawa, K. *see* Kishida, K. 9—59931
Nakagawa, K. *see* Matsumoto, T. 9—72672
Nakagawa, K. *see* Minowa, J. 9—50415
Nakagawa, K. *see* Okano, Y. 9—68415
Nakagawa, K. *see* Oshima, Y. 9—52992
Nakagawa, K. *see* Yoshida, T. 9—70026
Nakagawa, M., Ariga, T., Yajima, E. The effect of cold work on the aging behavior of Cu-Ti alloys 9—78991
Nakagawa, M., Mansel, W., Boning, K., Rosner, P., Vogl, G. Spontaneous recombination volumes of Frenkel defects in neutron-irradiated non-FCC metals 9—60355
Nakagawa, M. *see* Atobe, K. 9—55788
Nakagawa, M. *see* Hashimoto, S. 9—65902
Nakagawa, S., Sakai, T. Feature analyses of Japanese phonetic spectra and considerations on speech recognition and speaker identification 9—90093
Nakagawa, T. Statistical safety factor and Bayesian analysis in reliability engineering 9—61837
Nakagawa, T., Nakabayashi, Y. Prediction of Miner damage distribution by Bayesian method 9—59942
Nakagawa, T., Ohashi, A. A unifying approach to the neuronal ensemble principle and epileptic oscillations 9—83739
Nakagawa, T., Yamaguchi, J., Usuki, T., Matsui, Y., Okuyama, M., Hamakawa, Y. Ferroelectric properties of RF sputtered PLZT thin film 9—69780
Nakagawa, T. *see* Okuyama, M. 9—100052
Nakagawa, T. *see* Sharma, C.S. 9—91806
Nakagawa, Y. Preparation of superconducting high critical temperature Nb_3Ge compounds 9—78914

Nakagawa, Y., Tanji, Y., Morita, H., Hiroyoshi, H., Fujimori, H. Virtual miscibility gap and interdiffusion coefficient in iron-nickel Invar alloys 9—55891
Nakagawa, Y. *see* Han, S.M. 9—64778
Nakagawa, Y. *see* Katsube, T. 9—93222
Nakagawa, Y. *see* Niimori, K. 9—65716
Nakagawa, Y. *see* Tanji, Y. 9—50599
Nakagawa, Z. *see* Kanzaki, S. 9—74188
Nakagiri, T. *see* Takezoe, H. 9—94873
Nakagiri, Y. *see* Ichida, K. 9—68522
Nakagome, Y. *see* Block, R.C. 9—67794
Nakagomi, T. *see* Hasegawa, H. 9—80560
Nakagomi, T. *see* Toriyama, K. 9—90533
Nakaguchi, H. Study of flow patterns by visualisation techniques 9—98835
Nakahama, Y. *see* Ljubicic, A. 9—63633
Nakahara, I. *see* Hara, T. 9—72806, 9—72807
Nakahara, I. *see* Tsuchida, E. 9—98616
Nakahara, J. *see* Fujii, A. 9—61393
Nakahara, M., Ohmi, T. Effects of a magnetic field on superfluid ^{3}He-A texture in a cylinder 9—65276
Nakahara, M., Wong, P.T.T., Whalley, E. Raman spectra of single-crystal and liquid s-trioxane 9—94000
Nakahara, M. *see* Kimura, T. 9—59818
Nakahara, M. *see* Koyanagi, T. 9—92400
Nakahara, M. *see* Sakaguchi, S. 9—59817, 9—59828
Nakahara, S., Mahajan, S., Wernick, J.H., Chin, G.Y. Diffraction contrast behavior of grown-in dislocations in V_3Si single crystals 9—86794
Nakahara, S. *see* Lloyd, J.R. 9—65237
Nakahara, Y. *see* Kimura, K. 9—66439
Nakahashi, K. *see* Karashima, K. 9—94739
Nakahashi, M. *see* Komatsu, S. 9—70070
Nakahira, M. *see* Bando, Y. 9—69060
Nakai, I. *see* Yamada, O. 9—56518
Nakai, J. *see* Moritani, A. 9—82949
Nakai, J. *see* Oimura, K. 9—99901
Nakai, J. *see* Tachi, S. 9—99853
Nakai, K. *see* Dote, Y. 9—84015
Nakai, K. *see* Kitahara, K. 9—99576
Nakai, R. *see* Doyama, M. 9—56704
Nakai, S. *see* Matoba, M. 9—81456
Nakai, S. *see* Yamanaka, C. 9—82070
Nakai, Y. *see* Kanamori, A. 9—97791
Nakai, Y. *see* Kawashima, K. 9—80973
Nakai, Y. *see* Shirai, T. 9—59548, 9—81272, 9—94072
Nakai, Y. *see* Taira, S. 9—50665, 9—66150
Nakaichi, S., Akaishi, Y., Tanaka, H., Lim, T.K. Application of ATMS to the ^{4}He trimer and tetramer 9—86026
Nakaichi, S. *see* Lim, T.K. 9—72378
Nakaidze, Sh.G. *see* Garibashvili, V.I. 9—70087
Nakaji, O. *see* Imai, Y. 9—70375
Nakajima, A., Hirai, T., Hayashi, T. Phase relationship of rodlike polymer, poly(p-phenyleneterephthalamide), in sulfuric acid-water system 9—73314
Nakajima, A. *see* Ichikawa, A. 9—81655
Nakajima, F. *see* Taoka, T. 9—70259, 9—100320
Nakajima, H., Suzuki, R., Kawashima, T. The existence of collective momenta in quantum-mechanical many-particle systems 9—54011
Nakajima, H., Tanaka, H., Shimazaki, O., Yamanaka, K., Kinoshita, T., Wada, Y. New instrument for rapid and accurate measurement of ultrasonic velocity and attenuation using a minicomputer system 9—86312
Nakajima, H. *see* Hanawa, R. 9—60880
Nakajima, H. *see* Kamitsubo, H. 9—54662
Nakajima, H. *see* Nakajima, N. 9—50600
Nakajima, H. *see* Wada, T. 9—54614
Nakajima, K., Nakanishi, Y. Removal processes for radioactive rare gas from a fuel reprocessing plant 9—93747
Nakajima, K., Tanahashi, T., Akita, K., Yamaoka, T. Determination of In-Ga-As phase diagram at 650°C and LPE growth of lattice-matched $In_{0.53}Ga_{0.47}As$ on InP 9—96009
Nakajima, K. *see* Hasegawa, H. 9—65138
Nakajima, K. *see* Kobayashi, T. 9—82712
Nakajima, M. Holography 9—68368
Nakajima, M., Kusao, K., Hirao, T., Inoue, K., Takayanagi, S. Enhanced interdiffusion in the Al-Si system during Ar ion bombardment 9—99353
Nakajima, M. *see* Agui, T. 9—55024, 9—57302
Nakajima, M. *see* Tamaki, N. 9—57733
Nakajima, M. *see* Terajima, H. 9—57773
Nakajima, M. *see* Yuta, S. 9—70688
Nakajima, N., Maekawa, S., Nakajima, H. Stress analysis of an infinite elastic thick plate fixed upon a rigid foundation and subjected to load symmetrical to the axis of revolution (a case subjected to a concentrated load) 9—50600
Nakajima, N. *see* Kondo, K. 9—71571
Nakajima, R., Kita, I., Nakamura, R., Yotsuyanagi, I. Scaling in the mean for the semi-inclusive rapidity distributions 9—93309
Nakajima, S., Maruyama, Y., Kosasa, K. A simple power meter for measuring outputs from a high power continuous wave (CW) CO_2 laser 9—59739
Nakajima, S. *see* Ikeya, M. 9—81092
Nakajima, T. Pressure rise in the circular cylinder caused by the explosion on the surface 9—76994
Nakajima, T., Koshijima, T., Takeuchi, S. Improvement of S/N ratio of thermoluminescent dosimeter reader for low dose measurements 9—76153
Nakajima, T. *see* Fujimura, Y. 9—50066
Nakajima, T. *see* Kamata, K. 9—100121
Nakajima, T. *see* Notsu, Y. 9—99731
Nakajima, T. *see* Yamaguchi, Y. 9—87136
Nakajima, T. *see* Yoshimura, T. 9—80691
Nakajima, Y. *see* Ohkawa, S. 9—61758
Nakajima, Y. *see* Wenk, H.R. 9—95032
Nakakita, T. *see* Maeda, H. 9—60840
Nakalov, F.S., Dement'eva, Z.A., Ozerov, V.D. TsMK-2 conductometric cytometer 9—92437
Nakalov, F.S., Dement'eva, Z.A., Ozerov, V.D. GF-3 photoelectric hemoglobinometer 9—92438
Nakalov, F.S., Ozerov, V.D., Dement'eva, Z.A. The IFAM-1 indicator of enzymic activity of microorganisms 9—57819
Nakamizo, M. *see* Imamura, T. 9—90524
Nakamori, M., Iri, M. Processing of geographic information 9—74978
Nakamori, Y., Ikeda, S., Sawaragi, Y. Design of air pollutant monitoring system by spatial sample stratification 9—83680
Nakamoto, A. *see* Hayakawa, Y. 9—92352
Nakamoto, S. *see* Kitajima, T. 9—62702
Nakamura, A. Surface impurity localized mode vibration of the Toda lattice. Perturbation theory based on Hirota's bilinear transformation method 9—60462
Nakamura, A., Paget, D., Hermann, C., Weisbuch, C., Lampel, G., Cavenett, B.C. Optical detection of electron spin resonance in CdTe 9—65770
Nakamura, A., Takeno, S. Undamping of strongly nonlinear surface impurity localized mode in the Toda lattice 9—97315
Nakamura, A. *see* Kanai, K. 9—89331, 9—97634
Nakamura, A. *see* Yonezaki, G. 9—63266
Nakamura, D. *see* Inoue, M. 9—95633
Nakamura, D. *see* Kume, Y. 9—95673
Nakamura, H. Partitioning of high level waste from fuel reprocessing 9—81019
Nakamura, H. A design for a high-homogeneity coil system independent of the average diameter 9—97408
Nakamura, H., Asako, Y. On the overall heat transfer coefficient of the double pipe heat exchangers 9—77109
Nakamura, H., Okazaki, S., Hoshi, S. Fatigue strength of tufftrided steel under reversed torsion 9—61707
Nakamura, H., Sumi, K., Ozawa, T. Geological and geochemical characteristics of geothermal resources in Japan 9—96417
Nakamura, H., Tachimori, S., Sato, A. Calculation of distribution ratios of rare earth elements in multistage counter current extraction with HDEHP 9—49705
Nakamura, H., Tsunenari, T., Horikawa, T., Takasugi, S. Fatigue strength of S10C under repeated stresses of superposed wave pattern [low C steel] 9—61705
Nakamura, H. *see* Kiguchi, T. 9—97859
Nakamura, H. *see* Koike, F. 9—81265
Nakamura, H. *see* Kubota, M. 9—97880
Nakamura, H. *see* Minata, H. 9—79089
Nakamura, H. *see* Shirai, T. 9—81272, 9—94072
Nakamura, H. *see* Tabe, M. 9—99410
Nakamura, H. *see* Tachimori, S. 9—97881
Nakamura, I. *see* Furuya, Y. 9—77127
Nakamura, K. Trajectory instabilities and stochastic behaviour in dissipative systems with multiple steady states 9—80519
Nakamura, K., Gotoh, T., Kamoshida, M. Characterization of $^{31}P^+$-implanted Si layers by ellipsometry 9—90683
Nakamura, K., Kamoshida, M., Uehara, A., Tatsumi, R. Ellipsometric analysis of laser-annealed Si layers 9—73190
Nakamura, K. *see* Fujita, M. 9—100889
Nakamura, K. *see* Furuichi, S. 9—71765
Nakamura, K. *see* Ikeda, H. 9—58967
Nakamura, K. *see* Isao, A. 9—81577
Nakamura, K. *see* Kourkoumelis, C. 9—63555
Nakamura, K. *see* Matsunaga, S. 9—71881
Nakamura, K. *see* Miyazaki, T. 9—83236
Nakamura, K. *see* Mohri, M. 9—74039
Nakamura, K. *see* Ogasawara, N. 9—99550
Nakamura, K. *see* Sawada, S. 9—51402
Nakamura, K. *see* Watanabe, H. 9—51911
Nakamura, M., Okuda, S. Frost action in porous ceramic materials under a one dimensional heat flow 9—79140
Nakamura, M. *see* Kajimura, T. 9—76694
Nakamura, M. *see* Kurokawa, S. 9—68007
Nakamura, M. *see* Masuko, H. 9—64016
Nakamura, M. *see* Matsuoka, T. 9—63454
Nakamura, M. *see* Nomura, Y. 9—57793
Nakamura, N. *see* Masumoto, H. 9—70078
Nakamura, N. *see* Negita, K. 9—56624
Nakamura, R. *see* Nakajima, R. 9—93309
Nakamura, S. Formation of $CaO.3B_2O_3$ by dehydration of hydrated calcium borates 9—74378
Nakamura, S., Sawa, G., Ieda, M. Effect of electric field on thermally stimulated current in γ-irradiated polyethylene 9—65790
Nakamura, S., Sawa, G., Ieda, M. Transient electrical conduction of nylon 6 at high temperature 9—69513
Nakamura, S., Sawa, G., Ieda, M. Behaviour of ionic carriers at plasticized polyvinylchloride-metal interface 9—99622
Nakamura, S., Sawamura, S. HRC adjustable pneumatic swing-phase control knee 9—74792
Nakamura, S. *see* Iwasaki, H. 9—100274
Nakamura, S. *see* Komatsu, S. 9—70070
Nakamura, S. *see* Onari, S. 9—87449
Nakamura, S. *see* Ushijima, T. 9—92627
Nakamura, T. Light scattering studies on structural phase transitions 9—65880
Nakamura, T. Ferroelastic phase transition 9—77747
Nakamura, T., Abe, H., Konno, K. Bioengineering assessment of cardiac mechanical function—analysis of left ventricular wall stress and strain 9—96589
Nakamura, T., Kiyohashi, K., Suzuki, H. Light detector for camera using a $GaAs_{1-x}Px$ photodiode 9—89019
Nakamura, T., Kojima, S., Takashige, M., Asaumi, K., Minomura, S., Mitsui, T., Itoh, S. Point group symmetry of NH_4LiSO_4 at high pressure phase 9—51039
Nakamura, T., Petzow, G., Gauckler, L.J. Stability of the perovskite phase $LaBO_3$ (B=V, Cr, Mn, Fe, Co, Ni) in reducing atmosphere. I. Experimental results 9—79242
Nakamura, T., Tominaga, Y., Udagawa, M., Kojima, S., Takashige, M. Light scattering studies on structural phase transitions 9—95774
Nakamura, T., Uetani, K. The secondary buckling and post-secondary-buckling behaviours of rectangular plates 9—81743
Nakamura, T. *see* Hayashi, S. 9—65483
Nakamura, T. *see* Kamata, K. 9—100121
Nakamura, T. *see* Kan, H. 9—69965
Nakamura, T. *see* Kojima, S. 9—55884
Nakamura, T. *see* Mitamura, Y. 9—84021
Nakamura, T. *see* Onuma, T. 9—96708
Nakamura, T. *see* Pak, K. 9—95286
Nakamura, T. *see* Shin, K. 9—76152
Nakamura, T. *see* Sukegawa, T. 9—87558
Nakamura, T. *see* Yano, H. 9—97347
Nakamura, Y., Anderson, D.L. Martian wind activity detected by a seismometer at Viking Lander 2 site 9—84703
Nakamura, Y., Sumiyama, K., Shiga, M. Fe-Pt Invar alloys—homogeneous strong ferromagnets 9—91278
Nakamura, Y. *see* George, E.P. 9—94804
Nakamura, Y. *see* Hausch, G. 9—56502
Nakamura, Y. *see* Ikezawa, S. 9—64844, 9—77359, 9—86580
Nakamura, Y. *see* Muraoka, Y. 9—65221, 9—91322
Nakamura, Y. *see* Okutsu, E. 9—77396
Nakamura, Y. *see* Ondoh, T. 9—80078
Nakamura, Y. *see* Shiga, M. 9—56592
Nakamura, Y. *see* Shigematsu, T. 9—56634
Nakamura, Y. *see* Sumiyama, K. 9—56597, 9—82855
Nakamura, Y. *see* Tanigawa, S. 9—65658
Nakanaga, T., Kondo, S., Saeki, S. Infrared intensities and Coriolis interactions in ethylene 9—54851
Nakane, H., Noya, A., Kuriki, S., Matsumoto, G. Dielectric properties of europium oxide films 9—99636
Nakane, M. *see* Osumi, Y. 9—95168
Nakanishi, H., Reynolds, P.J. Site-bond percolation by position-space renormalization group 9—63159
Nakanishi, H. *see* Fujita, M. 9—64289
Nakanishi, H. *see* Kondoh, M. 9—68048
Nakanishi, I. Phase velocity and Q of mantle Rayleigh waves 9—74846
Nakanishi, I. Attenuation of multiple ScS waves beneath the Japanese Arc 9—92508
Nakanishi, K. Effects of impurity pinning on commensurate charge-density-wave state and incommensurate-commensurate transition 9—65394
Nakanishi, K., Toukubo, K. Molecular dynamics studies of Lennard-Jones liquid mixtures. V. Local composition in several kinds of equimolar mixtures with different combining rule 9—82133
Nakanishi, K. *see* Nagasaka, M. 9—86882
Nakanishi, K. *see* Tsuda, M. 9—52738
Nakanishi, N. Indefinite-metric quantum field theory of general relativity. IV. Background curved space-time 9—85049
Nakanishi, N., Ojima, I. Proof of the exact masslessness of gravitons 9—80492
Nakanishi, N. *see* Kamitsubo, H. 9—54662
Nakanishi, N. *see* Nagasawa, A. 9—91647
Nakanishi, N. *see* Shimada, M. 9—60498
Nakanishi, N. *see* Wada, T. 9—54614
Nakanishi, T. Completion of high temperature heat exchanger test plant for research and development of nuclear energy steelmaking process 9—67817

Nakanishi, T., Doi, Y., Nishida, T., Sakamoto, G., Takuma, Y. The automatic radiographic system for the examinations of the gastrointestinal tracts: model XHD 150B X-ray high tension generator 9—88167
Nakanishi, T., Tsuda, M., Osaka, H. Performance comparison between single phase generator and three phase generator for the optimum selection 9—92354
Nakanishi, T. *see* Hirao, Y. 9—72117
Nakanishi, T. *see* Kohsaka, M. 9—88165
Nakanishi, Y. *see* Dake, S. 9—62700
Nakanishi, Y. *see* Kitajima, T. 9—62702
Nakanishi, Y. *see* Nakajima, K. 9—93747
Nakanishi, Y. *see* Yamamoto, Y. 9—62701
Nakano, A. *see* Parise, J.B. 9—55708
Nakano, H. *see* Goto, H. 9—57626
Nakano, H. *see* Hosino, M. 9—77729
Nakano, H. *see* Kimura, H. 9—82311, 9—86706
Nakano, H. *see* Okuyama, M. 9—100052
Nakano, H. *see* Ueda, M. 9—78957
Nakano, H. *see* Uwaha, M. 9—55950
Nakano, H. *see* Yamashita, M. 9—56018, 9—65638
Nakano, H.H. *see* Bischel, W.K. 9—68382
Nakano, H.H. *see* Zamir, E. 9—59671
Nakano, K. Single crystal growth of diborides 9—65987
Nakano, K., Kumashiro, Y., Sakuma, E. Single-crystal growth of tantalum diboride 9—86729
Nakano, K. *see* Law, H.D. 9—80682
Nakano, K. *see* Sugimoto, T. 9—62189
Nakano, K. *see* Tomasetta, L.R. 9—54188
Nakano, M. *see* Cross, J.D. 9—90346
Nakano, M. *see* Grover, A.K. 9—65745
Nakano, Y., Wakita, K. Degradation in GaAs/AlGaAs DH lasers under Ar laser irradiation 9—98375
Nakano, Y. *see* Inoue, K. 9—97555
Nakao, K. Electronic band structure of superlattices in magnetic fields 9—65355
Nakao, K. Near infrared reflectivity of graphite under hydrostatic pressure. II. Theoretical foundation of lineshape analysis 9—91424
Nakao, Y. *see* Ikawa, H. 9—52468
Nakao, Y. *see* Yamada, H. 9—91367
Nakaoka, A. *see* Takagi, S. 9—54601
Nakaoka, K. *see* Abe, H. 9—87659
Nakasa, K., Takei, H. Enhancement of delayed failure resistance by partial unloading method 9—79146
Nakasa, K., Takei, H., Itoh, H. An analysis of crack propagation velocity in delayed failure under repeating load using an internal friction model 9—79064
Nakasa, K., Takei, H., Sakurabu, T. Effect of specimen configuration on crack initiation behavior of delayed failure (an analysis with apparent stress intensity factor) 9—77676
Nakasa, S., Takei, H. Crack branching in delayed failure 9—79067
Nakashima, H. *see* Shiraki, Y. 9—52014
Nakashima, K., Kao, K.C. Conducting filaments and switching phenomena in chalcogenide semiconductors 9—87134
Nakashima, K., Kao, K.C. Nonlinear current-voltage characteristics of glassy chalcogenide semiconductors 9—99557
Nakashima, K. *see* Ejima, T. 9—77662
Nakashima, M., Tachikawa, E. Relative reactivities of radioiodine released from U_3O_8 in oxygen and helium atmospheres toward propane 9—52644
Nakashima, M. *see* Kotera, N. 9—99594
Nakashima, N. *see* Namiki, A. 9—94027
Nakashima, S., Aziza, A., Le Postollec, M., Balkanski, M. Raman and infrared spectra in organic layer crystals of squaric acid 9—99878
Nakashima, S., Hattori, T., Simmonds, P.E., Amzallag, E. Electronic Raman scattering and infrared absorption spectra of shallow acceptors in ZnTe 9—73978
Nakashima, S., Katahama, H., Daimon, M., Mitsuishi, A. Estimation of interlayer interactions in CdI_2 by light scattering techniques 9—99884
Nakashima, S., Yamaguchi, Y. Determination of the binding energies of shallow acceptors from photoluminescence excitation spectra for donor-acceptor pairs in ZnTe 9—95809
Nakashima, S. *see* Daimon, M. 9—95770
Nakashima, S. *see* Scott, J.F. 9—73928
Nakashima, S. *see* Toms, D.J. 9—61380
Nakashio, F. *see* Inoue, K. 9—77290
Nakasugi, O. *see* Kitabatake, Y. 9—57515
Nakasuji, T. *see* Funada, T. 9—81030
Nakata, H., Fujii, K., Ohyama, T., Otsuka, E. Magnetoplasma resonance of electron-hole drops in germanium 9—60722
Nakata, I. The limit shock waves in a plasma 9—77382
Nakata, K. *see* Ichikawa, A. 9—81655
Nakata, Y. *see* Inoue, G. 9—66298
Nakatani, H. *see* Aguirre, C. 9—62699
Nakatani, I. *see* Ogawa, K. 9—90944
Nakatani, I. *see* Yamashita, O. 9—56501
Nakatani, N. Microscopic structure of cleavage surface of ferroelectri tri-glycine sulfate 9—51403
Nakatani, N. *see* Mochizuki, S. 9—59821, 9—59829
Nakatani, T. *see* Shimizu, K. 9—84052
Nakatsui, M. *see* Suzuki, J. 9—81657
Nakatsuji, H., Kanayama, S., Harada, S., Yonezawa, T. Electrostatic force theory for a molecule and interacting molecules. VII. Ab initio verification of the force concepts based on the floating wave functions of NH_3, CH_2^+, and NH_3^+ 9—98002
Nakatsuji, H. *see* Ikebe, M. 9—60972
Nakatsuji, H. *see* Koga, T. 9—98001
Nakatsuji, K. *see* Murota, A. 9—81940
Nakatsuka, H. *see* Fujita, M. 9—64289
Nakatsuka, T. *see* Kitajima, T. 9—62702
Nakatsuka, T. *see* Suzuki, K. 9—83283
Nakawaki, Y. Indication of nonexistence of Adler anomaly in virtue of continuum limit of the lattice theory for fermions 9—71667
Nakawaki, Y. A new choice for two-dimensional Dirac equation on a spatial lattice 9—93325
Nakayama, H., Kanayama, Y., Shikida, M. On fatigue strength and fatigue damage accumulation under two-steps program load condition involving impact load 9—66148
Nakayama, H. *see* Numao, T. 9—89217
Nakayama, H. *see* Osada, Y. 9—69970
Nakayama, H. *see* Sawaragi, Y. 9—57502, 9—57516
Nakayama, H. *see* Ueda, M. 9—81668
Nakayama, I. *see* Yamamoto, H. 9—65384
Nakayama, J., Miyashita, T., Akagi, N., Ogura, H., Yoshida, Y., Soma, T. An imaging method by means of hologram matrix: experimental study of image reproduction 9—55271
Nakayama, K., Tyler, C.W. Relative motion induced between stationary lines 9—53149
Nakayama, K. *see* Kobayashi, Y. 9—57741
Nakayama, K. *see* Wylie, W.R. 9—85856
Nakayama, K. *see* Yajima, K. 9—83992
Nakayama, M. *see* DasSarma, S. 9—95461
Nakayama, M. *see* Kobayashi, A. 9—93107
Nakayama, M. *see* Sham, L.J. 9—99629
Nakayama, N. *see* Ikegami, S. 9—87992
Nakayama, T. Tunnelling as a mechanism for the anomalous Kapitza resistance 9—55982
Nakayama, T., Itoh, N. Photocurrent induced by detrapping of charge carriers trapped by radicals in naphthalene and anthracene single crystals 9—82643
Nakayama, T., Nomura, Y., Naito, H. Optical ICs on an $LiNbO_3$ substrate 9—86265
Nakayama, T. *see* Hamanoue, K. 9—79272
Nakayama, W. *see* Ogata, H. 9—58710
Nakayama, Y., Mera, M., Morii, K. Deformation modes in α-brass during rolling 9—79001
Nakazato, C. *see* Ogura, H. 9—69156
Nakazato, K. Photo-magneto-electric effect in semimetals 9—56260
Nakazawa, H., Yamamoto, A., Morimoto, N. Wave distribution of vacancies in the NC-type pyrrhotite, $Fe_{1-x}S$ 9—99178
Nakazawa, H. *see* Hirano, K. 9—83304
Nakazawa, H. *see* Homma, H. 9—81815
Nakazawa, H. *see* Nukui, A. 9—65020, 9—99144
Nakazawa, H. *see* Yamamoto, A. 9—94966
Nakazawa, K. *see* Hayashi, C. 9—57935
Nakazawa, M. Specific directions of plane elastic waves in thin $LiTaO_3$ and $LiNbO_3$ crystal plates 9—82281
Nakazawa, M., Musha, T., Tako, T. Frequency stabilization of a 3.39 μm HeNe laser with no frequency modulation 9—55152
Nakazawa, M., Musha, T., Tako, T. Frequency-stabilized 3.39-μm He-Ne laser with no frequency modulation 9—76700
Nakazawa, M., Tako, T., Musha, T. Observation of saturated absorption of the 3.39 μm line in an external CH_4 cell 9—50354
Nakel, W. *see* Komma, M. 9—98226
Nakell, L. *see* Galin, D. 9—83809
Nakhai, B. *see* West, J.T. 9—59281
Nakhmanson, M.S. *see* Gorbatyi, L.V. 9—64959
Nakhodkin, N.G. *see* Golovyashkina, L.V. 9—91548
Nakhodkin, N.G. *see* Koval', I.V. 9—69365
Nakhutin, I.E., Polyakov, A.S., Ananyan, O.S., Blinnikov, S.A., Kulakov, A.I., Takamazyan, A.S. Catalytic reduction of ruthenium tetroxide 9—76092
Nakiboglu, S.M. Hydrostatic figure and related properties of the Earth 9—66603
Nakoryakov, V.Ye., Pokusayev, B.G., Troyan, Ye.N. Heat and mass transfer from an axisymmetric jet impinging on a baffle 9—98775
Nakoryakov, V.Ye. *see* Burdukov, A.P. 9—90309
Nakosteen, P.C., Dodson, D., Hughes, K.W. Regeneration and photoreactivation after ultraviolet irradiation of moss cells 9—88120
Nakvi, S.M. *see* Nikitin, S.A. 9—69673
Nakwaski, W. The thermal properties of a single-heterostructure laser diode supplied with short current pulses 9—76690
Nalbandyan, A.G., Nalbandyan, H.G., Sharkhatunyan, R.O. Enantiomorphism of α-$LiIO_3$ single crystals 9—95725
Nalbandyan, H.G. *see* Nalbandyan, A.G. 9—95725
Nalbandyan, N.A. *see* Khrimyan, A.V. 9—80111
Nalewajski, R.F. Modified simple bond charge model of a diatomic molecule to satisfy the virial and Hellmann-Feynman theorems 9—89595
Nalimov, V.N. *see* Kravtsov, V.E. 9—75571
Nalimov, Yu.P. *see* Volchkov, L.G. 9—76091
Nalinimohan Rao, M., Malhotra, P.L. Neutral gas temperature at the F1-Fs transition region over Delhi during low scalar activity 9—88519
Nalluri, C., Esmail, T.M. The performance of two-dimensional trapezoidal profile weirs 9—68875
Nalos, E.J., Lund, W.W., Jr. Nomograph aids solar power satellite design 9—70433
Nalos, E.J. *see* Denman, O.S. 9—52893
Nalwa, H.S. *see* Vasudevan, P. 9—91379
Nalyvaiko, M.S. *see* Marko, M.A. 9—99294
Nam, N.Van *see* Van Nam, N.
Nam Bien Zeun *see* Zeun Nam Bien
Nam Tae W. *see* Tae W. Nam
Nam Whang Chung *see* Chung Nam Whang
Namaizawa, H. A shell model of positive ions 9—56007
Namakonov, B.V., Melkov, M.P. Cathodic electrodeposition of iron 9—61522
Namasivayam, R., Mayilvaelan, S. On the applicability of Redington's method of determination of force field to bent XYZ type systems 9—81168
Namasivayam, R., Nagarajan, S. Evaluation of the force field of XY_4Z_2-type ions 9—98245
Namasivayam, R., Viswanathan Nair, K. Molecular constants of NSCl molecule 9—50005
Namavar, F. *see* Ooms, H. 9—63587
Namazie, M.A., Storey, D. Supersymmetric quantization of linearised supergravity 9—93022
Namazov, S.A., Korobeyshchikov, V.V. Characteristics of aspect dependence in ionosphere probing at decimeter wavelengths 9—88547
Namazov, S.A. *see* Vyaznikov, V.V. 9—53624
Namba, H., Shinsaka, K., Hatano, Y. Effect of n-butane impurity on electron mobility and electron-ion recombination rate constant in solid neopentane 9—73557
Namba, S. *see* Aoyagi, Y. 9—76847
Namba, S. *see* Gamo, K. 9—73192
Namba, S. *see* Kobayashi, T. 9—78752
Namba, S. *see* Kotani, H. 9—59844
Namba, S. *see* Murakami, K. 9—60393, 9—69122
Namba, S. *see* Yuba, Y. 9—99987
Namba, Y., Mori, T., Saito, J. Development of a three-grid type LEED-AES system with high performance 9—55618
Nambinarayanan, T.K., Srivivasa Rao, A. Compressibilities and internal pressure studies in solution of dimer acids in dioxan 9—82272
Namboodhiri, T.K.G. Hydrogen embrittlement in 4340 steel 9—83323
Namboodiri, P.N.N. *see* Gangadharan, R. 9—100505
Nambu, Y. Some topological configurations in gauge theories 9—49368
Nambu, Y. Topological problems in gauge theories 9—63351
Nambudripad, N. *see* Allsop, A.L. 9—95695
Nambudripad, N. *see* Bowden, G.J. 9—95694
Nambudripad, N. *see* Suzuki, H. 9—61070
Namgaladze, A.A. *see* Smertin, V.M. 9—58150
Namikawa, T. *see* Suzuki, T. 9—51922
Namiki, A., Nakashima, N., Yoshihara, K. Fluorescence quenching due to the electron transfer. Indole-chloromethanes in rigid ethanol glass 9—94027
Namiki, M. *see* Kizukuri, Y. 9—54327
Namiot, V.A. *see* Lopatnikov, S.L. 9—64135
Namitokov, K.K., Brezinskii, V.G., Manukovskaya, L.S. Production of alloy powders 9—100079
Namizaki, H., Takamiya, S., Ishii, M., Susaki, W. High-power-density single-mode operation of GaAs-GaAlAs TJS lasers utilizing Si_3N_4 plasma deposition for facet coating 9—86186
Namizaki, H. *see* Susaki, W. 9—86188
Namkung, W. *see* Gomay, Y. 9—90438
Namkung, W. *see* Reiser, M. 9—68066
Namwar Singh, Narsingh Bahadur Singh Solidification behaviour of eutectic: naphthalene-catechol system 9—55868
Namyslowski, J.M. Light front field theory treatment of the 2N problem 9—67579
Nan-Hsiung Tsai *see* Abraham, F.F. 9—74161
Nan-juin Hao *see* Hao Nan-juin
Nan-tang Huang *see* Huang Nan-tang
Nan-xun Lin *see* Lin Nan-xun
Nanadikar, N.G. *see* Srivastava, C.M. 9—61095
Nanavati, R.P. Shift in experimental V-I plot of bilayer membranes exposed to anesthetics 9—83718
Nanba, M. *see* Oishi, Y. 9—55912
Nanbu, K. Velocity slip and temperature difference of gas mixtures in quasi-one-dimensional nozzle flows 9—64735
Nanbu, K. Classical dynamics theory of collinear reaction probability and thermal rate constant for a model potential-energy surface. I. Early barrier 9—91916

Nanbu, K. Classical dynamics theory of collinear reaction probability and thermal rate constant for a model potential-energy surface. II. Middle barrier 9—91917

Nance, E.P. *see* Hassell, J.A. 9—96387

Nancheva, N.M. *see* Dekhtyar, I.Ya. 9—91526

Nanda, R.S. *see* Goswami, B. 9—55393

Nanda, S. A-topology for Minkowski space 9—92933

Nanda, S.K. *see* Pahoja, M.H. 9—62118

Nanda, V.S. *see* Goel, S.C. 9—60476

Nandagopal, M.R. Power from flooding waters—an energy saver 9—100481

Nandanpawar, M., Rajagopalan, S. Elastic moduli, drag coefficients, and Keating's parameters in germanium 9—73238

Nandanpawar, M., Rajagopalan, S. Temperature dependence of Akhieser loss in indium antimonide 9—86842

Nandedkar, R.V. *see* Krishan, K. 9—77635

Nandi, K.K., Shankara, T.S. Revisiting Ramakrishnan's approach to relativity 9—71242

Nandi, R.K., Sen Gupta, S.P. An X-ray peak-shift analysis of hexagonal zinc films: vacuum-evaporated from oblique incidence 9—65335

Nandi, R.N. *see* Jaman, A.I. 9—89807

Nandi, S. *see* Aubrecht, G.J. 9—93470

Nandi, S. *see* Frampton, P.H. 9—85264

Nandra, D.S., Hemsley, D.A., Birley, A.W. Reinforcing resins in SBS block copolymer elastomers: effect of the styrene domain structure 9—83317

Nandy, A. *see* Bagchi, B. 9—63480, 9—93311

Nandy, K., Smriglio, F., Buonanno, R. Spectrophotometry of cool stars in the near infrared. IV. Results for a region in Cassiopeia 9—88658

Nandy, K. *see* Morgan, D.H. 9—71125

Nang, T.T., Okuda, M., Matsushita, T. Composition dependence of the refractive index and its photo-induced variation in the binary glass systems: $Ge_{1-x}Se_x$ and $As_{1-x}Se_x$ 9—91398

Nang, T.Tri *see* Tri Nang, T.

Nang Tran Tri *see* Tran Tri Nang

Nani, R.Kh. *see* Abdullaev, G.B. 9—65799, 9—87443

Nani, R.Kh. *see* Aliev, F.I. 9—87006

Nani, R.Kh. *see* Allakhverdiev, K.R. 9—91439

Nani, R.Kh. *see* Belen'kii, G.L. 9—69849

Naniev, V.S. A qualitative analysis and classification of real motions in the problem of four fixed centers 9—96901

Nanishi, Y., Asai, K., Maruyama, S. LPE growth for GaAs FET 9—66014

Nanjo, H. *see* Akashi, M. 9—63562

Nann, H., Wildenthal, B.H. (p,t) and (p,^{3}He) reactions on ^{33}S 9—67660

Nann, H. *see* Bo Hoistad 9—85463

Nann, H. *see* Ray, L. 9—63669

Nannarone, S. *see* Bianconi, A. 9—87420

Nanni, D. *see* Agnelli, G. 9—92677

Nannichi, Y. *see* Bull, D.J. 9—98389

Nannichi, Y. *see* Chang, S.-L. 9—82470

Nanopoulos, D.V. *see* Ellis, J. 9—63406

Nanopoulos, D.V. *see* Georgi, H. 9—49439, 9—75708

Nanos, G.P., Jr. Polarization of the blackbody radiation at 3.2 centimeters 9—97106

Nanot, M., Queyroux, F., Gilles, J.-C. Crystallographic study of the n=4.5,5 and 6 terms of the series $(La,Ca)_nTi_nO_{3n+2}$, $(Nd,Ca)_nTi_nO_{3n+2}$ and $Ca_n(Ti,Nb)_nO_{3n+2}$ 9—65039

Nao, S. *see* Miyata, N. 9—87022

Naoe, M. *see* Ishii, K. 9—87097

Naoe, M. *see* Yamamoto, H. 9—56928

Naohara, T. *see* Inoue, A. 9—77529

Naoumidis, A. *see* Poestges, A. 9—87764

Naoumidis, A. *see* Weden, G. 9—57345

Naour, L.Le *see* Le Naour, L.

Naour, R.Le *see* Le Naour, R.

Napara-Volgina, S.G. *see* Dovydenkov, V.A. 9—100082

Napartovich, A.P. *see* Akishev, Yu.S. 9—90466

Napartovich, A.P. *see* Zhdanok, S.A. 9—76677

Napier, A. *see* Brick, D. 9—58980

Napijalo, M.Lj., Napijalo, M.M., Zegarac, S., Dojcilovic, J. Investigation of physical properties of $K_3[Fe(NCS)_6].4H_2O$ 9—56809

Napijalo, M.Lj., Novakovic, L., Sreckovic, A. Investigation of magnetic susceptibility of hematite in the region of high temperature magnetic phase transition 9—56510

Napijalo, M.Lj., Novakovic, L., Sreckovic, A. Recent investigations of temperature magnetic hysteresis of hematite near the Morin temperature 9—56566

Napijalo, M.Lj., Sreckovic, A., Novakovic, L. Magnetic susceptibility of Cr_2O_3 and NiO in the region of the Neel temperature 9—56509

Napijalo, M.Lj., Sreckovic, S., Novakovic, L., Napijalo, M.M., Zizic, B., Mitrovic, M., Dojcilovic, J. Investigation of magnetic, electric and optical properties of lead cobalt phosphate—$PbCo_2(PO_4)_2$ 9—56495

Napijalo, M.Lj., Zegarac, S., Napijaolo, M.M. Physical properties and crystal field of complex Fe(II) and Fe(III) cyanides with ions of 3d-transition metals 9—56808

Napijalo, M.Lj., Zizic, B., Zegarac, S., Dojcilovic, J. The effect of pH growth of ammonium dihydrogen phosphate crystals 9—55682

Napijalo, M.Lj., Zizic, O. Extraordinary Hall effect in Mn-Zn ferrite and its probable interpretation 9—51615

Napijalo, M.Lj. *see* Napijalo, M.M. 9—56810

Napijalo, M.Lj. *see* Petrovic, T. 9—56567

Napijalo, M.M., Napijalo, M.Lj., Zegarac, S. Optical reflection spectra and magnetic susceptibility of complex compounds of transition metals salts with urotropine 9—56810

Napijalo, M.M. *see* Napijalo, M.Lj. 9—56495, 9—56809

Napijaolo, M.M. *see* Napijalo, M.Lj. 9—56808

Napiorkowski, M., Hauge, E.H., Hemmer, P.C. Renormalization of self-avoiding walks by nonlinear transformations 9—67230

Napiorkowski, M., Hauge, E.H., Hemmer, P.C. Renormalization of self-avoiding walks by nonlinear transformations 9—75468

Naplatanova, M. *see* Elenkov, D. 9—64809

Napoli, P.A.De *see* De Napoli, P.A.

Napolitano, D. *see* Becker, M. 9—80987

Napolitano, M., Werle, M.J., Davis, R.T. Numerical solutions for high Reynolds number separated flow past a semi-infinite compression corner 9—81855

Napolitano, R. *see* Avitabile, G. 9—57037

Napper, D.H. *see* Feigin, R.I. 9—94120

Nappi, A. *see* Angelini, C. 9—67548

Nappi, A. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347

Nappi, B. *see* Ferro, D. 9—60496

Nappi, B. *see* Matousek, J. 9—74464

Nappi, C.R. *see* Israel, R.B. 9—80744

Naqib, I. *see* Viggars, D.A. 9—67730

Naqib, I.M. *see* Viggars, D.A. 9—63696

Naquet, R. *see* Comar, D. 9—83730

Naqvi, A.A. *see* Safdar, M. 9—91811

Naqvi, K.R. *see* Gijzeman, O.L.J. 9—58476

Naqvi, K.Razi *see* Razi Naqvi, K.

Nara, A. *see* Hirano, K. 9—83304

Nara, S., Ogawa, T., Matsubara, T. A lattice model of liquid metal. II 9—64983

Naraeva, M.K. *see* Selivanov, A.S. 9—53747

Narahari Rao, K. *see* Devi, V.M. 9—98082

Narahari Rao, K. *see* Flaud, J.-M. 9—72308

Narahari Rao, K. *see* Malathy Devi, V. 9—98079

Narahari Rao, K. *see* Reddy, S.P. 9—71542

Narain, S. *see* Roy, S.R. 9—77295

Naramoto, H. *see* Yoshizawa, I. 9—79037

Narasimha, R. *see* Govinda Raju, S.P. 9—57353

Narasimha Rao, B.V. On the orientation relationships between retained austenite and 'lath' martensite 9—78964

Narasimha Rao, M., Subba Rao, B.V. Isobaric vapour-liquid equilibria of binary systems: chloroform-chlorobenzene and methanol-chlorobenzene 9—73299

Narasimham, A.L. *see* Mukherjee, A.K. 9—100845

Narasimham, N.A. *see* Balasubramanian, T.K. 9—76443

Narasimham, P.S.L., Rao, K.J. Spectra of doped transition metal ions in K_2SO_4-$ZnSO_4$ glasses 9—51990

Narasimham, V.M.L., Hakla, J.P. Automatic computation and plotting of spot diagrams 9—72645

Narasimhan, M.C. *see* O'Handley, R.C. 9—51822, 9—73792

Narasimhan, M.C. *see* Windsor, C.G. 9—60465

Narasimhan, M.S., Ramadas, T.R. Geometry of SU(2) gauge fields 9—71586

Narasimhan, S.L., Copley, S.M., Van Stryland, E.W., Bass, M. Solidification of a laser melted nickel base superalloy 9—78953

Narasimhan, T.N., Neuman, S.P., Witherspoon, P.A. Finite element method for subsurface hydrology using a mixed explicit-implicit scheme 9—79900

Narasimhan, T.N., Witherspoon, P.A. Numerical model for saturated-unsaturated flow in deformable porous media. III. Applications 9—81966

Narath, A. *see* Azevedo, L.J. 9—73715, 9—73837, 9—99786

Narath, A. *see* Follstaedt, D. 9—65763

Narayan, D.S. An explanation of the beam dump experiment 9—49556

Narayan, J. Depth of melting produced by pulsed-laser irradiation 9—55756

Narayan, J., Larson, B.C., Christie, W.H. Effect of thermal annealing in boron implanted, laser annealed silicon 9—73191

Narayan, J., White, C.W. Extent of annealed or melted regions as a function of energy of pulsed laser irradiation 9—74025

Narayan, J. *see* Appleton, B.R. 9—52255, 9—69127

Narayan, J. *see* White, C.W. 9—69126, 9—73202, 9—82254, 9—86805

Narayan, J. *see* Wilson, S.R. 9—52256, 9—69135

Narayan, J. *see* Young, R.T. 9—69138

Narayan, R., Ramaseshan, S. New theory of repulsion and structural stability in ionic crystals 9—65028

Narayan Swamy, R. Polymer reinforcement of cement systems. I. Polymer impregnated concrete 9—70039

Narayana, K.B., Murthy, M.V.K. Simultaneous evaluation of thermal properties 9—94478

Narayana, M., Sivarama Sastry, G. ESR and ground state wavefunction of Cu^{2+} in $Mg(H_2O)_6H_2EDTA$ 9—56605

Narayana, M.L., Sastry, K.S. Kinetics of anodic oxidation on Zr and Zircaloy-2 in 0.05 M sodium sulphate electrolyte 9—57144

Narayana, P.A. *see* Agarwal, G.S. 9—98125

Narayana, P.A. *see* Kevan, L. 9—73853

Narayana Achar, B., Shashidara Prasad, J. Crystal data and molecular packing of drug charge-transfer complexes. I. Promethazine picrate 9—94988

Narayana Iyengar, R. Inelastic response of beams under sinusoidal and random loads 9—94530

Narayana Murty, J.V.S.S. *see* Ramji Rao, R. 9—51189

Narayanamurti, V. *see* Walstedt, R.E. 9—78367

Narayanan, B.A., Manoharan, P.T. ^{13}C NMR studies on $M(CN)_xX^{n-}$ complexes 9—51866

Narayanan, M.A.B. Universal trends observed in the maxima of the longitudinal velocity fluctuations and the zero crossings in turbulent flows 9—77076

Narayanan, R. *see* Khadakkar, A.G. 9—94568

Narayanan, T.V., Gupta, G.D., Rao, M.S.M. Structural design of a superheater for a central solar receiver 9—66410

Narayanan, U.H. Basic servicing techniques in electro-cardiography 9—96677

Narayankhedkar, K.G. *see* Parulekar, B.B. 9—69238

Narbutene, D.V. *see* Kazakyavichyus, K.A. 9—83237

Narchal, M.L. *see* Sikri, A.K. 9—95632

Narciss, H. *see* Bothe, W. 9—68000

Nardi, E. *see* Gilad, P. 9—77416

Nardini, J., Filippone, W.L. Orders-of-scattering invariant imbedding-type equations for internal particle distributions 9—59111

Nardizzi, L.R. *see* Twieg, D. 9—83896

Nardone, P. *see* Gunzig, E. 9—49131

Narducci, L.M., Gilmore, R., Feng, D.H. Absorption spectrum of optically bistable systems 9—98435

Narducci, L.M. *see* Agarwal, G.S. 9—59663

Narducci, L.M. *see* Penney, B.C. 9—57740

Naremskii, N.K. Electrogravitation classification of fine powders by particle mass 9—61531

Nargundkar, V.R. *see* Basu, T.K. 9—59255

Narihara, K. *see* Yatsui, K. 9—98929

Narin, F. Objectivity versus relevance in studies of scientific advance 9—58520

Narison, S. *see* Floratos, E.G. 9—80796

Narita, H. *see* Seko, T. 9—55093

Narita, K. A model for exciton bound to a donor pair in silicon 9—51498

Narita, K. Transformation of nonlinear oscillators to neural equations 9—57624

Narita, K., Enokizono, M. Effect of ordering on magnetic properties of 6.5-percent silicon-iron alloy 9—51833

Narita, K., Imamura, M. Frequency dependence of iron losses in 4-percent Si-Fe single crystal with (100) [001] orientation 9—51803

Narita, K. *see* Konishi, S. 9—51826, 9—99723

Narita, S., Taniguchi, M., Kobayashi, M. D$^-$ states in germanium in magnetic fields 9—95370

Narita, S. *see* Kobayashi, M. 9—91469

Narita, S. *see* Sugimoto, N. 9—60765

Narita, Si. *see* Shimizu, K. 9—78605

Narita, Y. *see* Irie, T. 9—94523

Narits, Yu.I. *see* Batuner, Yu.D. 9—49324

Narjes, L. The application of interferometry to the precision measurement of volume- and mass flows with sonic venturi nozzles 9—68872

Narjes, L., Spencer, E.A., Eujen, E. EEC-intercomparison compaign on high-pressure gas flow test facilities 9—72979

Narkis, M., Siegmann, A., Puterman, M., Dibenedetto, A.T. Glassy polymer solutions: morphology of in situ crystallized additives 9—99082

Narkis, M. *see* Kacir, L. 9—66106

Narkis, M. *see* Siegmann, A. 9—65007

Narlikar, J.V., Rana, N.C. Hawking process and the cosmic microwave background in a steady state universe 9—80380

Narlikar, J.V. *see* Chitre, S.M. 9—67110

Narlikar, J.V. *see* Dhurandhar, S.V. 9—49117

Narnhofer, H. On asymptotic completeness in scattering theory 9—75413

Narnov, B.A. *see* Varfolomeev, M.B. 9—65059

Naroska, B. *see* Albrow, M. 9—97605

Naroska, B. *see* Erhan, S. 9—49550

Naroska, B. *see* Giboni, K.L. 9—89204

Narovlyanskaya, N.M., Tikhonov, E.A. Observation of simple transverse modes of a pulsed laser on the dyestuff rhodamine 6G 9—72565

Narozhnaya, E.P. *see* Privalko, V.P. 9—51295

Narsale, A.M. *see* Arora, B.M. 9—60928

Narsimhan, G., Gupta, J.P., Ramkrishna, D. A model for transitional breakage probability of droplets in agitated lean liquid-liquid dispersions 9—77219

Narsingh Bahadur Singh *see* Namwar Singh 9—55868

Narten, A.H., Sandler, S.I. X-ray diffraction study of liquid tertiary butyl alcohol at 26°C 9—99053

Nartker, T.A., Orr, P.K., Stavely, A.M., Perry, D.G. Implications of modern syntactic style on the QAL data-acquisition language 9—89551

Nartova, T.T. *see* Kornilova, Z.I. 9—52302

Nartova, T.T. *see* Mandzhgaladze, S.N. 9—57140

Narui, M. *see* Higashiguchi, Y. 9—51157

Naruki, K., Aoki, M., Mizuno, O., Mishima, T. Accountability control system in plutonium fuel facility 9—71909

Narumi, Y. *see* Tobushi, H. 9—79043

Naruoka, M. *see* Mizusawa, T. 9—68623

Narusawa, T., Shimizu, S., Komiya, S. Simultaneous RHEED-AES-QMS study on epitaxial Si film growth on Si(111) and sapphire (1̄102) surfaces by partially ionized vapor deposition 9—83136

Narusberg, V.L. Optimization of a cylindrical shell of reinforced plastic with a filler under dynamic loading 9—59935

Naruse, N. *see* Banno, H. 9—68541

Naruse, Y. *see* Yamamoto, Y. 9—55246

Naruse, Y. *see* Yoshida, Y. 9—81078

Narusis, J. *see* Kudzmauskas, S. 9—69478

Narutaki, R. *see* Sakawa, M. 9—57993

Naruto, H. *see* Yamaguchi, K. 9—58770

Narvaez, C. *see* Hanks, R.W. 9—90216

Narvor, A.Le *see* Le Narvor, A.

Narziev, B.N. *see* Al'perovich, L.I. 9—65818

Nasarova, L.S. *see* Kondrat'eva, T.N. 9—92869

Nasby, R.D. *see* Weaver, H.T. 9—100533

Naschie, M.S.El. On certain nonconservative isometric buckling loads of shells 9—81748

Nasedkin, Yu.F. *see* Atamanov, V.M. 9—55548, 9—99006

Nasel'skii, P.D., Shevelev, Yu.G. Primordial black holes and spectrum of the background electromagnetic radiation 9—88695

Naser, J.A., Cokmez, S., Sehgal, B.R. Axial parfait LMFBR heterogeneous core designs 9—59156

Naser, J.A. *see* Hornyik, K. 9—89408

Naseri, M.A.Jazayeri *see* Jazayeri Naseri, M.A.

Nash, C., Stuller, R.L. Infrared behaviour of Yang-Mills theories 9—85215

Nash, D. *see* Beaver, J.E. 9—53238

Nash, D.B., Johnson, T.V. Albedo distribution on Io's surface 9—53761

Nash, D.B., Nelson, R.M. Spectral evidence for sublimates and adsorbates on Io 9—92707

Nash, D.B. *see* Nelson, R.M. 9—96950

Nash, D.B. *see* Smythe, W.D. 9—92708

Nash, F.R., Hartman, R.L. Facet oxide formation and degradation of GaAs lasers 9—86185

Nash, F.R., Hartman, R.L., Denkin, N.M., Dixon, R.W. GaAs laser reliability and protective facet coatings 9—81452

Nash, J.M., Smok, J.T., Thomas, W.C., Jenkins, P.E. *(editor)* Modeling, simulation, testing, and measurements for solar energy systems 9—83635

Nash, P.J. A new method for the measurement of Rockwell diamond indenters 9—66251

Nash, P.J., Poulter, K.F. An interferometric oil micromanometer 9—63263

Nash, P.J. *see* Poulter, K.F. 9—88970

Nash, R.J., Jacobs, D.M., Selig, R.F. Substrate effects on the mechanochemical degradation of thin polymeric coatings 9—79134

Nash, T. *see* Barsotti, E. 9—49919

Nash, W.P. *see* Ward, S.H. 9—84260

Nashashibi, T.S. *see* Austin, I.G. 9—61419

Nashashibi, T.S. *see* Searle, T.M. 9—83026

Nashel'skii, A.Ya. *see* Gnilov, S.V. 9—51133

Nashiyama, I. Damage distributions in hydrogen-bombarded silicon 9—60410

Nasi, E. *see* Bertelli, G. 9—71081

Nasibov, A.G. *see* Matrosov, Yu.I. 9—87720

Nasibov, A.S., Shemchuk, E.S. Use of laser electron-beam tubes in projection television 9—59743

Nasibov, A.S. *see* Kozlovskii, V.I. 9—89929, 9—94237

Nasibov, I.O., Sultanov, T.I., Rustamov, P.G., Dzhalilzade, T.A. Cross section Tb_2Se_3-$SnSe_2$ of the ternary system Tb-Sn-Se 9—87621

Nasirov, Ya.N. *see* Alidzhanov, M.A. 9—51738

Naskidashvili, B.D., Shatashvili, L.Kh. Propagation of galactic cosmic rays in a spherically symmetric solar wind 9—53681

Naskidashvili, B.D., Shatashvili, L.Kh. Lunar variations of the intensity of the neutron and meson components of cosmic rays 9—80146

Nason, R. *see* Shultis, J.K. 9—59274

Nasr, T.N. *see* Abegg, R. 9—80934

Nasr Alla, A. *see* Fakhry, A.A. 9—79360

Nasredinov, F.S. *see* Seregin, P.P. 9—65979

Nass, H.U. *see* Fahr, H.J. 9—66845

Nass, H.U. *see* Richter, E. 9—101097

Nass, M.M. *see* Wathey, J.C. 9—83748

Nassau, K., Wang, C.A., Grasso, M. Quenched metastable glassy and crystalline phases in the system lithium-sodium-potassium metatantalate 9—61568

Nassau, K. *see* Gyorgy, E.M. 9—78345

Nassau, K. *see* Lissalde, F. 9—55882

Nassau, K. *see* Pouget, J.P. 9—61313

Nasser, E. *see* El-Arabaty, A. 9—97385

Nasser, J.A. *see* Bidaux, R. 9—78494

Nasser, M.S. Fall velocity of coarse angular materials in water 9—74430

Nassibian, A.G., Faraone, L. Non-steady-state studies on MOS devices subject to a linear voltage ramp 9—78189

Nassibian, A.G. *see* Faraone, L. 9—95501

Nassibian, A.G. *see* Golja, B. 9—95502

Nassibian, G. Travelling wave kicker magnets with sharp rise and less overshoot 9—68057

Nassimbene, E. *see* Head, S.M. 9—76916

Nassisi, V. *see* Luches, A. 9—76569

Nast, T.C. *see* Roche, A.E. 9—58232

Nasta, L., Lupu, A., Beica, T., Serban, T., Matei, L., Giurgea, M. Characteristics of a bi-dimensional structure in twist cells with nematic liquid crystals 9—90542

Nastoyashchii, A.F. Magnetic fields and line-splitting of Raman scattered light in a laser plasma 9—55510

Nastrom, G.D. Ozone in the upper troposphere from Gasp measurements 9—100905

Nasu, S., Shiozawa, K., Kurasawa, T. Channeling studies of epitaxial uranium dioxide films 9—49683

Nasu, S. *see* Akabor, M. 9—85767

Nasu, S. *see* Gonser, U. 9—56639

Nasu, S. *see* Ohmichi, T. 9—73301

Nasyrov, A.N. *see* Akhmedzhanov, F.R. 9—69198

Nasyrov, R.Sh. *see* Vlasov, K.B. 9—51203

Nasy'ulin, A.Kh. *see* Voroshnin, L.G. 9—60539

Naszodi, L.J. On digital filtration in correlation time-of-flight spectrometry 9—49894

Naszodi, L.J. Consideration of the real modulation in correlation TOF technique 9—49898

Naszodi, L.J. *see* Cser, L. 9—49895, 9—60309

Natadze, A.L. *see* Ryskin, A.I. 9—78651

Natale, V. *see* Fabbri, R. 9—62936

Natali, S. *see* Armenise, N. 9—67536, 9—93397, 9—93398

Natalis, P., Collin, J.E., Delwiche, J., Caprace, G., Hubin, M.J. Accurate ionization energy values for the transitions $O_2^+, X^2\Pi_g(v'=0\text{-}20) \leftarrow O_2, X^3\Sigma_g^-(v''=0)$ and molecular constants of oxygen ground ionic state, determined by Ne(I)(73.6 nm) photoelectron spectroscopy 9—89710

Natanson, G.A. *see* Adamov, M.N. 9—93980

Natarajan, B.R. *see* Barr, T.L. 9—87561

Natarajan, N. *see* Callis, L.B. 9—84443

Natarajan, R., Dube, D.C., Tripathi, V.K. Microwave measurement of complex permittivity and conductivity of silicon by a simple technique 9—65784

Natarajan, V. *see* Chaudhuri, N.K. 9—76300

Natelson, M., Doub, W.B., Eckert, R.J., Freeman, L.B., Hartfield, G.L., Hecker, H.C., Sarber, W.K. Expected nuclear performance and initial physics test results for the LWBR at Shippingport 9—67931

Natelson, M. *see* Schick, W.C., Jr. 9—59220

Nateprov, A.N. *see* Radautsan, S.I. 9—56229

Nath, A.K., Chatterjee, U.K., Bhawalkar, D.D. Multiline operation of TEA CO_2 laser with hot CO_2 as an intracavity absorbing medium 9—94206

Nath, G. *see* Krishnaswamy, R. 9—94649

Nath, G. *see* Kumari, M. 9—98733

Nath, G. *see* Meena, B.K. 9—81842

Nath, J., Singh, B. Dielectric molar polarizations for binary mixtures of tetrachloroethylene with benzene, toluene, p-xylene and carbon tetrachloride 9—56713

Nath, N. *see* Aggarwal, K.M. 9—80079

Nath, N. *see* Priyokumar Singh, S. 9—90911

Nath, P., Chopra, K.L. Electrical resistivity and thermoelectric power of copper-germanium films 9—87168

Nath, P., Dutta, V., Chopra, K.L. Effects of alloying on the transport properties of amorphous and crystalline Ge films 9—51689

Nath, P. *see* Arnowitt, R. 9—63352

Nath, P. *see* Banerjee, A. 9—61988

Nath, P. *see* Das, S.R. 9—61991

Nath, P. *see* Dutta, V. 9—99642

Nath, P. *see* Nilsson, H.T.G. 9—65344

Nath, R. Statistical properties of radiation in phase state 9—64190

Nath, R. *see* Pillai, P.K.C. 9—82919

Nath, R. *see* Schulz, R.J. 9—60286

Nath, Y. Non-linear dynamic response of rectangular plates subjected to transient loads 9—81766

Nath Sharma, K.C. *see* Mohanty, S.R. 9—66324

Nathan, B.D. *see* Berkowitz, A.E. 9—73778

Nathan, O. *see* Vold, P.B. 9—63591

Nathan Katz, R. *see* Quinn, G.D. 9—61804

Nather, R.E. *see* Robinson, E.L. 9—80311

Nathwani, J.S. *see* Busigin, A. 9—66563

Nation, J.A. *see* Adler, R.J. 9—71990, 9—97470

Nation, J.A. *see* Providakes, G. 9—86118

Natori, A., Kamimura, H. Electronic structure of a D^- ion in semiconductors 9—95369

Natori, K. *see* Nagai, T. 9—61811

Natov, M.A., Vasileva, S.V., Khristova, Kh.V. Effect of size of experimental specimens and loading scheme involving uniaxial tensioning on necking of high-density polyethylene 9—61672

Natowitz, J.B., Doukellis, G., Kolb, B., Rosner, G., Walcher, Th. Two completely damped processes in the reactions of ^{32}S with ^{27}Al 9—93647

Natrusov, V.I. *see* Koltunov, M.A. 9—95994

Natsik, V.D. Quantum motion of dislocations through local barriers 9—60363

Natsik, V.D., Potemina, L.G. Quantum oscillations of the thermodynamic properties of a pressurized metal containing dislocations 9—86899

Natsume, Y., Sasagawa, F., Toyoda, M., Yamada, I. Effect of low-symmetric spin distribution on EPR lines in one-dimensional magnetic systems 9—78505

Natsume, Y. *see* Kamimura, H. 9—56706

Natsuume, H. *see* Matsui, M. 9—92027

Natter, W.J. *see* Carter, R.O. 9—85962

Natter, W.J. *see* Durig, J.R. 9—89676

Natzle, W.C. *see* Harris, S.J. 9—68266

Nauber, U. *see* Witzel, A. 9—88754

Nauciel-Bloch, M., Eggarter, T.P. Studies on the six-site Hubbard model: comparison of various approximations 9—76327

Naudin, F. *see* Varret, F. 9—51893

Naudts, J. *see* Michel, K.H. 9—51215

Naugle, D.G. *see* Colter, P.C. 9—60797

Naugle, D.G. *see* DuBose, J.B. 9—69260

Naugol'nykh, K.A. *see* Dunina, T.A. 9—95083

Naugol'nykh, K.A. *see* Gorodetskii, V.S. 9—64393

Naujekas, J.J. *see* Zilinskas, R.A. 9—69985

Naumann, F.K., Spies, F. Spring leaf retainer with variable ductility 9—70267

Naumann, R.A., Daniel, H. A model requiring constant negative muon Coulomb capture ratios for simple ionic crystals 9—65133

Naumann, R.A. *see* Vianden, R. 9—99520

Naumenko, E.K. Investigation of the reflectance of scattering layers of varying degrees of dispersion 9—99962

Naumenko, G.A. *see* Vainer, L.A. 9—79201

Naumenko, I.G. *see* Dzubenko, M.I. 9—72563

Naumenko, K.P. *see* Andrushko, L.M. 9—59833

Naumenko, N.N. *see* Silyuk, V.F. 9—52608

Naumenkov, P.A. *see* Burakov, V.S. 9—52830, 9—90467

Naumkin, N.I. *see* Kravtsov, N.V. 9—94223

Naumkin, O.P. *see* Arkharov, V.I. 9—79057

Naumkin, V.P. *see* Grishin, S.D. 9—71561

Naumov, A.A. *see* Balbekov, V.I. 9—63829

Naumov, A.P. On statistical structure of distribution of radiometeorological characteristics 9—84376

Naumov, I.I., Panin, V.E., Zhorovkov, M.F. Pseudo-potential calculation of the phonon spectrum in β-brass in relation to the degree of long-range order and composition 9—99279

Naumov, I.V. *see* Golovin, A.E. 9—97925

Naumov, S.P., Sveshnikova, E.B. Influence of a heavy atom on the rate constants of radiative and nonradiative transitions in Mn^{2+} solutions 9—78736

Naumov, S.P. *see* Sveshnikova, E.B. 9—54930, 9—65922

Naumov, V.A. An improvement of the system of declinations using determinations of flexure from observations in two hemispheres 9—92654

Naumov, V.A. A determination of declinations of stars from observations with a vertical circle mounted at the equator 9—92681

Naumov, V.N. *see* Moizhes, B.Ya. 9—65970

Naumov, Yu.V. *see* Baturov, B.B. 9—76089

Naumov, Yu.V. *see* Bykov, A.A. 9—75914

Naumov, Yu.V. *see* Kraft, O.E. 9—80907

Naumov, Yu.V. *see* Petrov, B.F. 9—75915

Naumova, G.D. *see* Koltun, M.M. 9—83593

Naumova, S.F., Komlev, A.M. Electrochemical behaviour of magnetite on polarization 9—83465

Naumova, T.M. *see* Bolotnikova, T.N. 9—85995

Naumow, Y.W. *see* Petrow, B.F. 9—93564

Nauta-Leeffers, Z.C., den Hartog, H.W. Dipole reorientation of tetragonal charge-compensation centers in CaF_2:R^{3+} 9—73880

Nauwen, P. *see* van Alphen, L. 9—74314

Nava, D.F. *see* Michael, J.V. 9—66271, 9—74359

Nava, F., Canali, C., Reggiani, L., Gasquet, D., Vaissiere, J.C., Nougier, J.P. On the diffusivity of holes in silicon 9—56233

Nava, F. *see* de Blasi, C. 9—76278

Nava, F. *see* Reggiani, L. 9—60842

Nava, R. *see* Wasim, S. 9—51320

Navach, F. *see* Giboni, K.L. 9—89204

Navalkar, M.P. *see* Joneja, O.P. 9—67934

Navaneeth, G.N. *see* Sangaya, M. 9—84514

Navaratna, M.R., Iyer, C.S.P. A new method for the determination of the composition of a complex in a two phase system using radioactive tracers 9—87896

Navarra, J. *see* Alekseev, E.N. 9—80164

Navarria, F.L. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292

Navarria, F.L. *see* Groot, J.G.H. 9—93395

Navarro, C., Diaz Celleja, R. On thermodynamics of temperature rate dependent materials 9—90123

Navarro, C.B. On symmetry and monotonicity of relaxation functions in linear viscoelasticity 9—75348

Navarro, J. *see* Cesari, E. 9—88956

Navarro, J. *see* Macqueron, J.L. 9—98590

Navarro, R. *see* Gonzalez, D. 9—61152

Navarro Ranninger, M.C. Crystal data for the chloride of tetrakis(imidazole)palladium(II), $[Pd(ImH)_4]Cl_2$, and the tetrachloropalladate of tetrakis(N-methylimidazole)palladium(II), $[Pd(NMeIm)_4][PdCl_4]$ 9—51077

Navarro Ranninger, M.C. Crystal data for cis- and trans-dichlorobis(N-methylimidazole)palladium(II) 9—51078

Navascues, G. Liquid surfaces: theory of surface tension 9—77866

Navascues, G., Tarazona, P. Surface tension of hard sphere fluid near a wall 9—73081

Naveau, H. *see* Godard, P. 9—61914

Navelet, H. *see* Billoire, A. 9—85261

Navi, K.Razi *see* Razi Navi, K.

Navia, C.E. *see* Filho, J.B. 9—63561

Navia O., C.E. *see* Filho, J.B. 9—58989, 9—58992

Navon, I., Ashery, D., Azuelos, G., Pfeiffer, H.J., Schlepuitz, F.W., Walter, H.K. Decomposition of the total pion nucleus cross section at 125 MeV 9—85543

Navon, I., Ashery, D., Azuelos, G., Pfeiffer, H.J., Walter, H.K., Schleputz, F.W. True absorption and scattering of 125-MeV pions on nuclei 9—63705

Navon, I.M. ADIF, a FORTRAN IV program for solving the shallow-water equations 9—84493

Navotny, V.Sh. *see* Azimov, S.A. 9—67782

Navratil, G.A., Post, R.S. An interpretation of multipole confinement experiments 9—90434

Navratil, K., Ohlidal, I., Lukes, F. The physical structure of the interface between single-crystal GaAs and its oxide film 9—60644

Navratil, K. *see* Ohlidal, I. 9—75572

Navratil, V. *see* Maksimyuk, P.A. 9—87673

Navrotsky, A., Pintchovski, F.S. Calorimetric study of the stability of high pressure phases in the systems CoO-SiO_2 and 'FeO'-SO_2, and calculation of phase diagrams in MO-SiO_2 systems 9—90779

Navrotsky, A. *see* Kasper, K.B. 9—57286

Navrozov, S.V. *see* Bartenev, S.S. 9—52125

Nawata, K. Connectors and single-mode fiber technology 9—50422

Nawata, K., Iwahara, Y., Suzuki, K. Ceramic capillary splices for optical fibres 9—76829

Nawata, K. *see* Kanada, T. 9—81428

Nawata, K. *see* Saruwatari, M. 9—76807

Nawrocky, R.J., Frankel, R.F., Thomas, M.G. Magnet power supply for ISABELLE 9—76209

Naya, K. *see* Kato, H. 9—72914

Naya, S. *see* Ishii, T. 9—60478

Naya, S. *see* Iziri, M. 9—73294

Nayak, J.K. *see* Sodha, M.S. 9—70432

Nayak, L., Johnson, K.L. Pressure between elastic bodies having a slender area of contact and arbitrary profiles 9—64596

Nayak, N., Mohanty, B.K. Quantum theory of an inhomogeneously broadened two-photon laser 9—59666

Nayak, V.S. *see* Edwards, D.O. 9—51375

Nayar, P.S. *see* Cooper, C.M. 9—82693

Nayar, S.R.Prabhakaran *see* Prabhakaran Nayar, S.R.

Naydyuk, Yu.G. *see* Verkin, B.I. 9—60457

Nayfeh, A.H. Stress wave propagation in bilayered media 9—90047

Nayfeh, A.H., Bozati, A.N. Secondary instability in boundary-layer flows 9—64632

Nayfeh, A.H., Jaine-I. Jane Loh Continuum modeling of electromagnetic waves in composite wave guides 9—55031

Nayfeh, M.H. Double resonance with pulsed fields 9—68215

Nayler, J.H.C. *see* Jacewicz, V.W. 9—86733

Naylor, H. *see* Gove, H.E. 9—52806

Naylor, J.P. The influence of the lath morphology on the yield stress and transition temperature of martensitic-bainitic steels 9—100215

Naylor, T.D., Schemel, J.H. Zircaloy cladding fabrication—an overview 9—59241

Nayyar, A.H. *see* Zafar Iqbal, M. 9—82741

Nayyar, V.P., Soni, V.S. Nonlinear propagation of an elliptically shaped Gaussian laser beam in a overdense plasma 9—55513

Nayyar, V.P., Verma, N.K. Influence of surface errors on the modulation sensitivity of a Fabry-Perot electro-optic type wide-band modulator 9—50392

Nayyar, V.P., Verma, N.K. Diffraction by a semitransparent and π-phase annular aperture illuminated by a Gaussian laser beam 9—55051

Nayyar, V.P. *see* Soni, V.S. 9—94798

Nazar, A.M.M., Cupini, N.L., Prates, M., Davies, G.J. The use of gas-generating mold coatings for the grain refinement of aluminium 9—83355

Nazar, F.M. Photocurrents in SiO_2 films 9—65514

Nazar, F.M. Absorption in silicon nitride films 9—78769

Nazar, F.M. DC conduction in Si_3N_4 films grown by the pyrolytic reaction between silane and ammonia 9—91176

Nazar, F.M., Ahmad, N. Electrical properties of anodic aluminium oxide films 9—99646

Nazarchenko, B.P. *see* Bush, A.A. 9—51913

Nazarchuk, M.M., Dotsenko, L.I. Establishment of developed laminar flow in a plane-parallel heat insulated channel with nonuniform velocity and temperature distributions at the input 9—64662

Nazarea, A. *see* Herschkowitz-Kaufman, M. 9—70302

Nazarea, A.D. Spatiotemporal pattern formation in thin layers and membranes: critical focal size 9—92171

Nazarenko, B.P. *see* Bezdetnyi, N.M. 9—99843

Nazarenko, N.P. *see* Demishev, A.G. 9—88961

Nazarenko, V.A. *see* Altarev, I.S. 9—67551, 9—75775

Nazarenkov, F.A. *see* Vlasenko, N.A. 9—64186, 9—71510

Nazarewicz, W. *see* Dudek, J. 9—97673

Nazarewicz, W. *see* Wojdowski, W. 9—99879

Nazarewicz, W. *see* Zagorski, A. 9—56487

Nazarov, A.N. *see* Lysenko, V.S. 9—56321

Nazarov, G.I., Puchkov, A.A. Vortex motion of a compressible liquid 9—77124

Nazarov, K.I. *see* Belotserkovskii, D.Yu. 9—93103

Nazarov, M.V. *see* Spivak, G.V. 9—54156

Nazarov, S.A. The asymptotics of a bend in a plate containing a crack 9—86364

Nazarov, Yu.F., Shkurupii, V.G., Rakhshtadt, A.G., Koloskova, E.K. Properties of elastic elements made from bands of spring alloys 9—87678

Nazarova, E.A. *see* Pecherskiy, D.M. 9—79816

Nazarova, I.G., Yevstigneyev, V.B. Mechanism of activation of the photosensitizing action of water-soluble chlorophyll analogues on their binding by a polymer 9—57583

Nazarova, M.N. *see* Pereyaslova, P.K. 9—84600

Nazarova, N.V. *see* Angert, N.G. 9—69842

Nazarova, S.Z. *see* Dubrovskaya, L.B. 9—51739

Nazaryan, V.G. *see* Emel'yanov, I.Ya. 9—59186

Nazhalov, A.I. *see* Egorushkin, V.E. 9—99471

Nazmeev, Yu.G. *see* Igumentsev, T.I. 9—94461

Nazmy, A.F. *see* Hafez, M.B. 9—88155

N'Diaye, A., Vallot, R., Liang Tse Yu Electrochemical properties of organic compounds insoluble or slightly soluble in aqueous media. Electrodes of duroquinone 9—66301

Nduka, A. Non-static charged fluid sphere in general relativity 9—71299

Neagu, D. *see* Somogy, A. 9—80173

Neal, H. *see* Polvado, R. 9—63543

Neal, H.A., Baringer, P.S., Walters, G., Hinotani, K. An interpretation of the behavior of the spin correlation parameter in elastic p-p scattering at high energies 9—97636

Neal, H.A. *see* Hinotanti, K. 9—93461

Neal, H.A. *see* Polvado, R.O. 9—58983

Neal, W.E.J. Optical examination and monitoring of surfaces 9—67375

Neale, C.V. *see* Menown, H. 9—64245

Neale, E.R.W. *see* Upadhyay, H.D. 9—57898

Neale, W.W. *see* Pratap, M. 9—63512

Neale, W.W. *see* Ward, C.P. 9—75803

Nealy, J.E. *see* Callis, L.B. 9—84443

Neathamer, R.D. *see* DeVor, R.E. 9—98542

Neau, J.C. *see* Moreau, J.B. 9—50543

Nebauer, E. *see* Lebedev, E.A. 9—55939

Nebbeling, C. *see* Bannink, W.J. 9—77177

Nebbia, L., Lucchini, P. Eight-channel digital speech synthesizer based on LPC techniques 9—64439

Nebola, I.I. *see* Suslikov, L.M. 9—73951

Nebylov, A.V. *see* Besekerskii, V.A. 9—97336

Nechaev, A.A. *see* Grivtsov, A.C. 9—74011

Nechaev, N.D. *see* Bagaev, S.A. 9—98492

Nechaev, N.N. *see* Vikulov, V.F. 9—72030

Nechaev, S.V. *see* Burakov, V.S. 9—52830, 9—90467

Nechaev, V.E. The formation of an electron flux in a coaxial gun in a strong longitudinal magnetic field 9—98998

Nechaev, V.M. *see* Kartashov, E.M. 9—55327

Nechaev, V.V. An acoustic emission transducer for inspecting welding quality 9—94444

Nechaev, V.V. *see* Drozdov, A.P. 9—70275

Nechaev, Yu.R., Kharbash, A.Kh., Sobolev, V.V., Orlova, I.G., P'yanykh, N.L., Vlasov, P.G., Sharapova, K.M., Kukolev, G.V., Lisovaya, E.D. A mechanized method of cleaning fine-ground Zircon with acid 9—83357

Nechaev, Yu.S. *see* Gorshenina, I.V. 9—67403

Nechaeva, I.A. Possible cosmogenic origin of the structures in the general part of the Kola peninsula 9—70802

Nechin, Yu.A. *see* Berezhko, I.A. 9—96870

Nechin, Yu.A. *see* Grigor'ev, V.M. 9—80169

Nechistykh, G.A. *see* Simonov, K.V. 9—87600

Nechtschein, M. *see* Devreux, F. 9—82883

Nechuev, C.I. *see* Brodskii, Yu.Ya. 9—55483

Neckel, A. *see* Herzig, P. 9—99107

Neckel, A. *see* Schwarz, K. 9—77979

Neckel, A. *see* Weinberger, P. 9—51484

Necsoiu, T. *see* Stanciu, I. 9—90027

Nectoux, P. *see* Vinit, A. 9—69823

Neda, T. *see* Yoshioka, R. 9—81042

Nedavnii, A.P. *see* Danileiko, M.V. 9—94261

Neddermeyer, H. *see* Heimann, P. 9—78840

Neddermeyer, H. *see* Heinmann, P. 9—91121

Nedelec, O. *see* Baltayan, P. 9—59515

Nedelin, P.N. *see* Varekhov, A.G. 9—88052

Nedelina, O.S. *see* Kayushin, L.P. 9—92183

Nedel'ko, S.G. *see* Kushnirenko, I.Ya. 9—87488

Nedellec, P., Dumoulin, L., Arzoumanian, C., Burger, J.P. Isotopic effects in $PdH(D)_x$. Normal state phonon resistivity and superconducting tunneling density of states 9—56402

Nedev, K.N. Distribution of atomic density in protein blobules 9—79458

Nedil'ko, S.G. *see* Bilii, M.U. 9—52001

Nedjalkova, N. *see* Krasnobaeva, N. 9—87922

Nedkov, E., Mihailov, M. Peculiarities of structure formation in polyethylene at temperatures near below the melting point 9—65003

Nedkov, E. *see* Mihailov, M. 9—64126

Nedlin, G.M. Shape of bubbles 9—78467

Nedopekin, V.G. *see* Andreev, V.N. 9—89339

Nedorezov, V.G. *see* Kuznetsov, V.I. 9—80924

Nedoseev, S.L. *see* Velikhov, E.P. 9—71955

Nedospasov, A.V. *see* Vasil'ev, N.N. 9—59259

Nedranets, Yu.I. *see* Sidorov, N.K. 9—77509

Nedwed, P.H. *see* Bonsor, D.H. 9—51013

Nedzvetskaya, I.V. *see* Vidmont, N.A. 9—69860

Nedzvetskii, D.S. *see* Vidmont, N.A. 9—69860

Neeb, K.H., Schuster, E. Origin and general behavior of increased release of fission iodine from defective fuel rods upon shutdown of a pressurized-water reactor 9—49710

Neeb, K.H., Schuster, E. Iodine spiking in PWRs. Origin and general behavior 9—59228

Need, J.L. A survey of some applications of cyclotrons 9—54692

Needham, J. PIRK 2. A computer program to solve the inverse reactor kinetic equations 9—76095

Needham, P.B., Jr. *see* Driscoll, T.J. 9—61792

Neef, E. *see* Muller, R. 9—59772

Neef, N.A.de *see* de Neef, N.A.

Neef, W.S. *see* Bender, D.J. 9—76124

Neef, W.S. *see* Carlson, G.A. 9—71973

Neef, W.S. *see* Moir, R.W. 9—71972

Neelakantaswamy, P.S. Microwave-induced injurious effects on the human-embryo in utero 9—83850

Neelakantaswamy, P.S. Microwave-induced hazardous nonlinear thermoelastic vibrations of the ocular lens in the human eye 9—83853

Neelakantaswamy, P.S., Govindarajan, R. Noninvasive beam-wave spectrometric instrumentation for measuring dielectric constant at microwave frequencies 9—70728

Neelakantaswamy, P.S., Ramakrishnan, K.P. Microwave interference with the function of an implanted cardiac pacemaker 9—92421

Neelakantaswamy, P.S. *see* Papa, F.F. 9—92215

Neelavathi, V.N. *see* Appleton, B.R. 9—77658

Neels, H., Schmitz, W., Berger, E.-M., Lutz, D. Investigations on the crystallization of larger NaA and NaX zeolite crystals in the presence of triethanolamine. I. The influence of Na_2O and SiO_2 content 9—65995

Neely, H.H., DeBear, W.S., Miller, A.E., Regimbal, J.J. Intentional steam tube failure in an LMFBR-type steam generator 9—54544

Neely, S.T., Allen, J.B. Invertibility of a room impulse response 9—86294

Ne'eman, Y., Sijacki, Dj. Unified affine gauge theory of gravity and strong interactions with finite and infinite GL(4,R) spinor fields 9—93331

Neerven, W.L.van *see* van Neerven, W.L.

Neerven, W.L.Van *see* Van Neerven, W.L.

Neese, R.E., Guidry, M.W., Donangelo, R., Rasmussen, J.O. Surface structure of deformed nuclei by radial and angular localisation in heavy ion scattering 9—85362

Neessen, J., Reinders, M. The experimental Earth station of the Netherlands PTT and results of propagation measurements with the SIRIO satellite 9—84344

Neet, D. *see* Fischer, C. 9—68003

Neet, D. *see* Risselada, T. 9—72119

Neev, D., Friedman, G.M. Late Holocene tectonic activity along the margins of the Sinai subplate 9—57907

Nefedov, A.P., Urinson, A.S. Automatic system for measuring the concentration of addition atoms in an MHD generator 9—50892

Nefedov, A.P. *see* Vasenin, I.M. 9—86400

Nefedov, B.L., Polukhin, V.N. Ways of further improvement of an apochromatic pair of glasses 9—72657

Nefedov, O.M. *see* Schultz, G. 9—89783

Nefedov, V.I. *see* Domashevskaya, E.P. 9—64044, 9—99984

Nefedov, V.V. *see* Benetskii, B.A. 9—75952, 9—75990

Neff, G. Prosthetic principles in bilateral shoulder disarticulation or bilateral amelia 9—74793

Neff, H. *see* Lewerenz, H.J. 9—74390

Neff, H. *see* Sass, J.K. 9—100024

Neff, J.S. *see* Clements, G.L. 9—66970

Neff, S.H. *see* Tolk, N.H. 9—63951

Neff, W.D. Beamwidth effects on acoustic backscatter in the planetary boundary layer 9—70859

Nefkens, B. *see* Minehart, R. 9—76032

Nefkens, B.M.K. Meson induced reactions in the three and two-nucleon systems 9—80959
Nefkens, B.M.K., Sander, O.R., Webster, G.D.L., Sober, D.I. Limit on the applicability of the Low Theorem for proton-proton bremsstrahlung 9—85323
Nefkens, B.M.K. *see* Sadler, M.E. 9—85328
Neganov, B.S. *see* Rikovska, J. 9—59031
Negele, J.W. *see* Hoodbhoy, P. 9—67695
Negele, J.W., Vogt, E. *(editor)* Advances in nuclear physics, vol.11 9—75879
Neghabian, A.R., Glockle, W. A time reversal violating interaction in the two-nucleon system 9—54352
Negi, J.G., Dimri, V.P. On Wiener filter and maximum entropy method for multichannel complex systems 9—92619
Negi, J.G. *see* Singh, R.N. 9—66660
Negin, M., Hohenberger, M., Kwatny, E.M. Considerations of signal-noise relationships before electroencephalographic signal averaging 9—83977
Negishi, G. *see* Hisaki, T. 9—72588
Negishi, R. *see* Shimizu, T. 9—65374
Negita, K., Nakamura, N., Chimhara, H. Effect of ammonium ion reorientation on the anomalous temperature dependence on nuclear quadrupole resonance frequencies 9—56624
Negra, M.D. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Negran, T.J. *see* Glass, A.M. 9—99828
Negre, M. *see* Mischler, J. 9—61475
Negreskul, V.V. *see* Gorchak, L.V. 9—69538
Nehama, E. *see* Kimmel, G. 9—74225
Nehring, J. On the threshold condition for nematic layers in magnetic fields 9—86710
Nehring, N.L. *see* Truesdell, A.H. 9—74920
Nehrkorn, C., Brickmann, J. Vibrational relaxation in liquids. I. 1D-molecular-dynamics studies of mixtures of bromine and argon 9—73079
Nehru, C.E. *see* Harlow, G.E. 9—66963
Nehru, C.E. *see* Warner, R.D. 9—66933
Nei, H. Hydrogen behavior in FBR secondary cooling system 9—93688
Neidhardt, A. *see* Krautheim, G. 9—65256, 9—77828
Neidlin, Yu.M. *see* Korotkov, V.P. 9—49291
Neifakh, Yu.A., Tumanyan, V.G., Yesipova, N.G. Temperature of denaturing of collagen as a linear function of the amino acid composition 9—57571
Neighbor, J.E. *see* Duchardt, D. 9—56202
Neikirk, D.P., Powell, R.C. Laser time-resolved spectroscopy studies of host-sensitized energy transfer in $Bi_4Ge_3O_{12}:Er^{3+}$ crystals 9—83013
Neil, D.A., Newton, G.W.A., Robinson, V.J., Geletly, W. Benzene and diethyl sulphide in a gas jet transport system 9—76245
Neil, J.M. *see* Reynolds, J.H. 9—62796
Neil, V.K., Buchanan, H.L., Cooper, R.K. Longitudinal motion of singly charged uranium ions at 9.5 GeV 9—54737
Neil, V.K., Hall, L.S., Cooper, R.K. Further theoretical studies of the beam breakup instability 9—72031
Neil, V.K. *see* Paul, A.C. 9—72023
Neill, D.T. *see* Mines, G.L. 9—52880
Neilsen, I.R. *see* Frykman, G.K. 9—79710
Neilson, G.C. *see* Cameron, J.M. 9—75993
Neilson, G.C. *see* James, A.N. 9—93614
Neilson, G.C. *see* Kitching, P. 9—67755
Neilson, G.C. *see* Soukup, J. 9—67669
Neilson, G.H. *see* Dyer, G.R. 9—64910
Neilson, G.W., Page, D.I., Howells, W.S. A neutron diffraction study of the structure of heavy water at pressure using a new high-pressure cell 9—60253
Neilson, R.M., Jr., Colombo, P. Properties of solidified radioactive wastes from commercial LWRs 9—59207
Neilson, R.M., Jr., Nicolaras, H., Lai, J., Colombo, P. Leachability of solidified low-level radioactive waste forms 9—85631
Neiman, M. *see* Korner, H.J. 9—89221
Neiman-zade, I.K. *see* Abdullaev, G.B. 9—65799
Neimark, L.A. *see* Johnson, D.L. 9—54503
Neimark, L.A. *see* Tsai, H.C. 9—49761
Neimark, L.A. *see* Yaggee, F.L. 9—89380
Neimark, N.I. *see* Dubov, B.S. 9—67286
Neinast, R.A., Stack, J.D. Gaussian fluctuations: 't Hooft's method and an approximate method 9—85236
Neise, W., Stahl, B. The flow noise level at microphones in flow ducts 9—86421
Neizvestny, I.G. *see* Rzhanov, A.V. 9—82680
Neizvestnyi, A.I. Experimental determination of water condensation number from the evaporation and growth rates of micron-sized drops 9—90774
Neizvestnyi, I.G. *see* Kvon Ze Don 9—69604, 9—95467
Neizvestnyi, I.G. *see* Zakharov, A.K. 9—56323
Nejdl, I.F., Gose, E.E., Kaplan, E. Computer aided diagnosis from lung ventilation and perfusion scintigrams 9—88181
Nekagawa, K., Maeda, K., Takeuchi, S. Observation of dislocations in cadmium telluride by cathodoluminescence microscopy 9—69105
Nekhaenko, E.A. *see* Rogovina, L.Z. 9—65010
Nekhamkin, A.N. *see* Batuner, Yu.D. 9—49324
Nekhamkina, O.A. *see* Ivanov, A.A. 9—55429
Neklyudov, I.M. *see* Zelenskii, V.F. 9—71898
Nekoz, A.I. *see* Belyi, V.I. 9—52384
Nekrashevich, S.A. *see* Bakai, A.S. 9—68935
Nekrasov, A.A. Modeling turbulent flow at a permeable plate with strong injection 9—81963
Nekrasov, A.A. *see* Zhabrev, V.A. 9—65231
Nekrasov, A.K., Petviashvili, V.I. Diamagnetism of cyclotron waves in a plasma 9—98901
Nekrasov, A.K., Popryaduchin, A.P. On nonlinear microwave diagnostics of plasmas 9—73044
Nekrasov, F.M. *see* Grishanov, N.I. 9—55484
Nekrasov, S.A. *see* Brazgovka, A.I. 9—96716
Nekrasova, S.Z. *see* Kulemin, A.V. 9—74148
Nekvasil, V. Dependence of crystal field in rare earth garnets on the structure of coordination dodecahedron 9—73475
Nekvasil, V. On low-lying crystal field levels of Ho^{3+} in aluminium and gallium garnets 9—91007
Nekvasil, V. *see* Kratochvilova, E. 9—95586
Nelin, C.J. *see* Matsen, F.A. 9—85885
Nelin, E.A. *see* Bidenko, V.A. 9—68521
Nelipa, N.F. *see* Chaichian, M. 9—97261
Nelipovich, K.I. *see* Mel'nik, V.I. 9—87479
Nelkin, M. Universality and scaling in fully developed turbulence 9—58548
Nellen, B. *see* Blietschau, J. 9—93396
Nelles, B. *see* Giesecking, F. 9—71044
Nelman, M. The Niels Bohr Institute on line data acquisition system 9—89557
Nelson, A.D. *see* Daley, C.G. 9—83930
Nelson, A.D. *see* Opdycke, J.P. 9—79647
Nelson, B. *see* Cutts, D. 9—85346
Nelson, B. *see* Nagle, D.E. 9—63500
Nelson, B.P. *see* Kashyap, R. 9—64356
Nelson, B.P. *see* White, K.I. 9—68428
Nelson, C.A. *see* Ngee-Pong Chang 9—89141
Nelson, C.A., Jr., Abramson, J., Andrews, D.E., Harvey, J., Lobkowicz, F., May, E.N., Singer, M.N., Thorndike, E.H., Nordberg, M.E., Jr. Inclusive photoproduction of η mesons at 9.7 GeV 9—63486
Nelson, D.A. Band radiation within diffuse-walled enclosures. I. Exact solutions for simple enclosures 9—76952
Nelson, D.A. Band radiation within diffuse-walled enclosures. II. An approximate method applied to simple enclosures 9—76953
Nelson, D.A., Minning, C.P. Calculation of shape factors between rings and inverted cones sharing a common axis 9—81705
Nelson, D.A., Jr., Ruoff, A.L. The compressive strength of perfect diamond 9—79036
Nelson, D.B., Spies, G.O. Staircase model for magnetohydrodynamic spectrum and global instabilities in the Elmo bumpy torus 9—73000
Nelson, D.E., Johnson, R.A. A broadband echo ranging system for measuring the frequency characteristics of fish schools 9—64390
Nelson, D.F. Nonlinear electroacoustics of crystals 9—56734
Nelson, D.F. The relation of solitons to polaritons in coupled systems 9—77707
Nelson, D.H. *see* Green, M.I. 9—67354
Nelson, D.J., Theoharides, A.D., Nieburgs, C., Murray, R.K., Gonzalez-Fernandez, F., Brenner, D.S. Carbon-13 magnetic resonance study of lanthanide-substituted muscle calcium binding parvalbumins 9—96516
Nelson, D.R., Halperin, B.I. Dislocation-mediated melting in two dimensions 9—73287
Nelson, D.R. *see* Berker, A.N. 9—77857, 9—78391
Nelson, G.C., Borders, J.A. Low energy low beam system for materials studies 9—85834
Nelson, G.C. *see* Holloway, P.H. 9—83083
Nelson, G.C. *see* Williams, F.L. 9—82422
Nelson, G.G. *see* Lo, D.S. 9—78484
Nelson, G.J., Robinson, R.D., Slee, O.B., Fielding, G., Page, A.A., Walker, W.S.G. A combined radio and optical study of flare stars. The long-duration events 9—53827
Nelson, G.J. *see* Wright, C.S. 9—53773
Nelson, H.G. *see* Eliezer, D. 9—96192
Nelson, H.G. *see* Jacob, K.T. 9—57222
Nel'son, I.V. *see* Gruzinov, B.F. 9—90948
Nelson, J. *see* Middleditch, J. 9—62934, 9—92781
Nelson, J. *see* Seitzer, P. 9—92894
Nelson, J.C., Lin, J.C., Ekstrom, M.E. Teratological studies of fetal exposure of mice to RF radiation 9—70583
Nelson, J.E. *see* Crane, P. 9—84823
Nelson, J.K., McGrath, P.B., Hashad, I.F.M. A comparison of the electrical breakdown characteristics of hydro- and fluorocarbon liquids 9—91361
Nelson, J.K. *see* McGrath, P.B. 9—91371
Nelson, J.L., Beavers, J.A. The application of a photogrammetric technique to the determination of the orientation of stress-corrosion fractures 9—79163
Nelson, J.M. *see* Braby, L.A. 9—53195
Nelson, J.M. *see* Khan, F.M. 9—67728
Nelson, K.A., Dlott, D.D., Fayer, M.D. Excited state dynamics in pure molecular crystals: perylene and the excimer problem 9—78724
Nelson, L.D. *see* Carbone, R.E. 9—88417
Nelson, L.S., Buxton, L.D. Effects of pressure on steam explosion triggering in Corium-E simulants 9—49752
Nelson, L.S., Buxton, L.D., Planner, H.N. Steam explosions with molten iron oxides 9—85649
Nelson, L.S., Raabe, O.G. Aerosols generated by ^{239}Pu and ^{233}U droplets burning in air 9—67959
Nelson, L.Y. *see* Dougal, R.A. 9—72579
Nelson, M.A., Davis, T.J., Lyons, P.B., Golob, J.E., Looney, L.D. A fiber optic time domain reflectometer 9—54173
Nelson, M.E. *see* Abrams, G.S. 9—89149, 9—89174
Nelson, N.J. *see* Rasey, J.S. 9—62308
Nelson, O.L. *see* Korn, D.M. 9—71554
Nelson, P., Ray, A.K. A theoretical result on the effectiveness of the addition formulae for two-point boundary systems 9—71235
Nelson, P. *see* Tabary, F. 9—53184
Nelson, P., Jr., Victory, H.D., Jr. Theoretical properties of one-dimensional discrete ordinates 9—76053
Nelson, P.H. *see* Hohmann, G.W. 9—84499
Nelson, P.P. A search for universal microscopic characteristics of neurons 9—96546
Nelson, R.D. *see* Massie, N.A. 9—75574
Nelson, R.D. *see* Steele, C. 9—59795
Nelson, R.J., Rode, D.L. Nonradiative recombination in GaAlAs proton-bombarded stripe-geometry lasers 9—98371
Nelson, R.M., Nash, D.B. Spectral reflectance change and luminescence of selected salts during 2-10 keV proton bombardment: implications for Io 9—96950
Nelson, R.M. *see* Nash, D.B. 9—92707
Nelson, R.M. *see* Smythe, W.D. 9—92708
Nelson, R.O. *see* McMillan, D.E. 9—89541
Nelson, S.O. *see* Kwok, B.P. 9—71482
Nelson, T.J., Wolfe, R., Blank, S.L., Johnson, W.A. Reliable propagation of magnetic bubbles with 8 μm period ion implanted propagation patterns 9—78475
Nelson, T.J. *see* Blank, S.L. 9—82844
Nelson, W.J. *see* Floyd, R.B. 9—56445
Nelson, W.R. *see* Kase, K.R. 9—81101
Nelyubin, V.V. *see* Baturin, V.N. 9—85477
Nemanich, R.J., Martin, R.M., Mikkelsen, J.C., Jr. Light scattering from correlated ion fluctuations in ionic conductors 9—95771
Nemanich, R.J., Solin, S.A. First- and second-order Raman scattering from finite-size crystals of graphite 9—95759
Nemanich, R.J. *see* Knights, J.C. 9—65944
Nemanich, R.J. *see* Lucovsky, G. 9—69864
Nemanis, A.P. *see* Styro, D.B. 9—92100
Nemanov, M.S. *see* Bulavin, V.V. 9—57171
Nembach, E. Analysis of the extraordinary viscous magnetic domain wall motion in NiFe films 9—95617
Nembach, E. *see* Riehemann, W. 9—87681
Nembach, E. *see* Siemers, D. 9—95603
Nemchenko, V.E. On interrelation between concentration and mobility of the current carriers in metal-like phases 9—95386
Nemchenko, V.F. *see* Domasevich, L.T. 9—51754
Nemchenko, V.F. *see* Lesnaya, M.I. 9—86908
Nemchenko, V.P. *see* Churkin, V.K. 9—52451
Nemchinov, I.V., Popova, M.P., Shubadeeva, L.P. Cut off of a laser beam by an expanding supersonic plasma 9—68412
Nemchinov, I.V. *see* Bergel'son, V.I. 9—64884
Nemchinov, I.V. *see* Kozik, E.A. 9—64885
Nemchinov, V.A. *see* Kim, A.G. 9—49225
Nemchinov, Yu.K. *see* Andreev, A.M. 9—77276
Nemchinskii, V.A. *see* Gryaznov, O.S. 9—56253
Nemchinskii, V.A. *see* Moizhes, B.Ya. 9—65970
Nemec, H.W. Photoluminescence of trypsin after UV-irradiation 9—92137
Nemec, J., Rohling, S., Zamrazil, V., Pohunkova, D. Comparison of the distribution of diagnostic and thyroablative I-131 in the evaluation of differentiated thyroid cancers 9—83903
Nemec, J.F. Decommissioning of nuclear power plants 9—54573
Nemec, J.M. *see* Hesser, J.E. 9—88681
Nemec, J.M. *see* Hutchings, J.B. 9—84795
Nemenoff, R.A., Snir, J., Scheraga, H.A. A revised empirical potential for conformational, intermolecular, and solvation studies. III. Parameterization and testing for unsaturated hydrocarbons 9—50103
Nemenoff, R.A., Snir, J., Scheraga, H.A. A revised empirical potential for conformational, intermolecular, and solvation studies. II. Parameterization and testing for water and saturated organic molecules 9—54933
Nemenoff, R.A., Snir, J., Scheraga, H.A. A revised empirical potential for conformational, intermolecular and solvation studies. IV. Development and testing of parameters of aldehydes, ketones and carboxylic acids 9—54934
Nemenoff, R.A. *see* Snir, J. 9—50102, 9—54935
Nemenov, L.I. *see* Alizade, V.V. 9—89333
Nemenov, L.L. *see* Alizade, V.V. 9—80845
Nemeny, T.M. *see* Karpov, A.M. 9—72454
Nemes, L. *see* Demaison, J. 9—89662
Nemes, M., Radoi, I. About the corrosion of titanium in sulphuric acid medium 9—74282

Nemes, M.C., Seligman, T.H. Surprisal approach to improved Hauser-Feshbach formulae 9—67736

Nemeth, G. *see* Kohonen, T. 9—59888

Nemeth-Sallay, M. *see* Barna, A. 9—55667

Nemeth-Sallay, M. *see* Hoffmann, G. 9—99456

Nemets, A.M. *see* Nikolaev, G.I. 9—66381

Nemets, O.F., Chesnokova, V.D., Yasnogorodsky, A.M. Polarization transfer and spin correlation reactions in spherical tensor formalism 9—59047

Nemets, O.F. *see* Basargin, Yu.G. 9—54628

Nemets, O.F. *see* Stepanenko, V.A. 9—68112

Nemets, O.F. *see* Zaika, N.I. 9—67800

Nemetz, P.N., Drechsler, H.D. The role of effluent monitoring in environmental control 9—79443

Nemilov, S.V. The entropy of structural disorder of low-molecular-weight organic liquids, glasses, and glassy crystals, and its relation to molecular structure 9—65219

Nemilov, S.V., Komarova, N.V. Effect of supercritical fluctuations and phase separation on viscosity of melts and glasses in the PbO-B_2O_3-Al_2O_3 system 9—65235

Nemilov, S.V. *see* Bogdanov, V.N. 9—94865

Nemilov, S.V. *see* Gutkina, N.G. 9—99899

Nemilov, Yu.A. *see* Zhagrov, E.A. 9—76054

Nemiro, A.A. *see* Varina, V.A. 9—92673

Nemirovskii, A.Z., Malyushevskii, P.P., Golubenko, Yu.G. Efficient operation of a plasma accelerator with condensed media 9—60204

Nemirovskii, M.R. *see* Korshunov, L.G. 9—96152

Nemirovskii, V.A. Diagnostics of plasma region adjacent to wall using multimode electromagnetic probing 9—94819

Nemirovskii, Yu.R. *see* Potekhin, B.A. 9—91646

Nemirovskii, Yu.V., Reznikov, B.S. Problems concerning the failure of reinforced structures in bending 9—90185

Nemirovskii, Yu.V., Semisalov, A.S. Steady creep of strictly momentless shells with zero Gauss curvature 9—90152

Nemirovsky, Y. *see* Finkman, E. 9—91418

Nemkovich, N.A., Matseiko, V.I., Ruvinov, A.N., Tomin, V.I. Intermolecular orientational relaxation 'upwards' in viscous solutions of organic compounds 9—78748

Nemoshkalenko, V.V., Antonov, VL.N., Antonov, V.N., John, W. Calculation of soft X-ray emission spectra by the relativistic APW method: lutetium 9—78792

Nemoshkalenko, V.V., Antonov, Vl.N., Antonov, V.N., John, W. Electronic structure and soft X-ray emission spectrum of HCP hafnium 9—91536

Nemoshkalenko, V.V. *see* Gun'ko, L.P. 9—57008

Nemoshkalenko, V.V. *see* Lesnik, A.G. 9—87610

Nemoshkalenko, V.V. *see* Pan, V.M. 9—60463

Nemoto, I., Taki, M., Saito, M. Measurements of the power of pattern discrimination of tactile senses by a computer-controlled tactile display 9—83971

Nemoto, K. *see* Misumi, M. 9—50667

Nemoto, S., Makimoto, T. Refractive-index distribution for a prescribed ray path 9—59633

Nemoto, S., Makimoto, T. Generalized spot size for a higher-order beam mode 9—72612

Nemoto, S., Makimoto, T. Analysis of splice loss in single-mode fibres using a Gaussian field approximation 9—94354

Nemoto, S. *see* Yada, K. 9—54146

Nemoto, T. *see* Endo, M. 9—98475

Nemoto, T. *see* Iwasaki, T. 9—97432

Nemov, N.A. Extinction coefficient at the critical point 9—65889

Nemov, S.A. *see* Veis, A.N. 9—60854, 9—95314

Nemtina, O.E. *see* Vasyuta, B.M. 9—75624

Nemtsev, B.V. *see* Vinokurov, A.V. 9—69868

Nemtsev, V.A. *see* Anrizheivskii, A.A. 9—68823

Nemtsev, V.A. *see* Stepanenko, V.N. 9—59985

Nemtsov, L.D., Romanov, B.S. Nonlinearity of the counter rotation circuit in gravimeters 9—88497

Nemukhin, A.V., Stepanov, N.F. On diatomic state mixing and treatment of overlap in the diatomics-in-molecules theory 9—59344

Nemukhin, A.V., Stepanov, N.F. Diatomics-in-molecules study of LiOH 9—63929

Nemukhin, A.V. *see* Stepanov, N.F. 9—98068

Nenadovic, T. *see* Petrovic, R. 9—78242

Nenadovich, M. General solutions of uniform systems of elasticity equations in application 9—84957

Nenarokov, D.F. *see* Gel'man, B.G. 9—66948

Nenashev, V.A. *see* Shishlov, Yu.V. 9—79479

Nenasheva, S.N., Sinyakova, E.F., Sinyakov, I.V., Bogdanova, V.I. Ag_5GaS_4—a new phase in the system Ag-Ga-S 9—87618

Nenat-Nasser, S. *see* Horgan, C.O. 9—50568

Nenchev, N. *see* Rashev, Ts. 9—82259

Neng-Ming Wang *see* Wagoner, R.H. 9—83260

Nenner, I. *see* Baer, T. 9—50092

Nenot, J.C. *see* Vignes, S. 9—66494, 9—89508

Nenov, D.S. *see* Dukova, E.D. 9—55686

Nenovksi, P.I. Plasma sheet modes and their connection with Pi 2 pulsations 9—66875

Nenovski, P. *see* Atanassov, V. 9—64862

Nenow, D., Stoyanova, V. Appearance of nonsingular surfaces on vapour-grown ice crystals 9—60297

Nentwich, H. *see* Naguib, H.M. 9—77939

Neo, S. *see* Yokoi, K. 9—92663

Neogy, C., Deb, S.K., Manna, A. Relation between Born-Mayer parameters and electronic charge density overlap parameters of alkali halides 9—98179

Nepamuceno, F. *see* Palomino, G. 9—88122

Nepedova, N.Yu. *see* Strakhov, V.N. 9—62621

Nepiipov, E.I. *see* Shpenik, O.B. 9—54974

Nepijko, S.A., Sedov, N.N., Shamonya, V.G. Measurements of the field distribution in discontinuous metal films using transmission electron microscopy 9—95518

Neporent, B.S. A four-level scheme for the electronic states of a polyatomic molecule: spectra of substituted polyenes 9—54840

Neporent, B.S. Kinetic spectroscopy of molecules 9—94110

Neporent, B.S. *see* Stolbova, O.V. 9—54892

Neppel, A., Hickey, J.P., Butler, I.S. Laser Raman spectra of some group IB metal carbonyl cations 9—59469

Neppl, F., Kotthaus, J.P., Koch, J.F. Mechanism of intersubband resonant photoresponse 9—82677

Nepsha, V.I. *see* Klyuev, Yu.A. 9—92530

Nepveu, M. Gas dynamical calculations on extragalactic double radio sources 9—67107

Nerbrant, P.-O., Roos, B., Sadlej, A.J. First-order properties and the Hellmann-Feynman theorem in the case of a limited CI wave function 9—59329

Neri, F. *see* Brandt, R.A. 9—49431

Nero, A.V. *see* Freedman, S.J. 9—67703

Nero, G.L.Del *see* Del Nero, G.L.

Nerrick, G.B. Space Shuttle—the new space transportation system 9—84640

Nersesyan, Ya.D. *see* Akimov, Yu.K. 9—49525

Nertney, R., Morfitt, J. Risk tree analysis in criticality control 9—85632

Nerubailo, B.N. Analysis of a round cylindrical shell with a free edge 9—76973

Nerush, N.T. *see* Adamova, L.V. 9—65204

Nery, H. *see* Canet, D. 9—54868

Nesbet, R.K. Energy-modified adiabatic approximation for scattering theory 9—59523

Nesbet, R.K. Matrix variational calculations of electron-atom scattering 9—59577

Nesbet, R.K. Variational calculations of accurate e^--He cross sections below 19 eV 9—89785

Nesbet, R.K., Clary, D.C. Fourier transform method for the classical trajectory problem 9—98189

Nesbet, R.K. *see* Clary, D.C. 9—91930

Nesbitt, H.W. Mobility and fractionation of rare earth elements during weathering of a granodiorite 9—62512

Nesbitt, R.W. *see* Sun, S.-S. 9—88316

Nesemann, H. *see* Bothe, W. 9—68000

Neshchimenko, Yu.P. *see* Bashkin, A.S. 9—89902

Neshov, F.G. *see* Ved'manov, G.D. 9—97959

Neshpor, V.S., Eron'yan, M.A., Petrov, A.N., Kravchik, A.E. Microhardness and microplasticity of zirconium nitride 9—87715

Neshpor, V.S. *see* Ordan'yan, S.S. 9—66032, 9—100099

Neshpor, V.S. *see* Vinokur, F.L. 9—66135

Neshpor, Yu.I., Stepanian, A.A., Fomin, V.P., Gerasimov, S.A., Vladimirsky, B.M., Ziskin, Yu.L. On the periodical very high energy gamma-ray emission from Cyg X-3 9—62932

Neshpor, Yu.I. *see* Stepanyan, A.A. 9—80368

Nesis, A. *see* Durrant, C.J. 9—66980

Neske, E. *see* Munther, Ch. 9—58160

Nesmelov, E.A. *see* Markov, Yu.N. 9—98496

Nesmelova, I.M. *see* Semikolenova, N.A. 9—69412

Nesor, H. *see* Kaufman, L. 9—66036, 9—66037

Nespurek, S. *see* Mateika, L. 9—72537

Ness, H.C.Van *see* Van Ness, H.C.

Ness, N. *see* Dobrowolny, M. 9—75072

Ness, N. *see* Fanucci, J.B. 9—90318

Ness, N.F., Acuna, M.H., Lepping, R.P., Behannon, K.W., Burlaga, L.F., Neubauer, F.M. Jupiter's magnetic tail 9—96956

Nester, J.M. *see* Gotay, M.J. 9—75377

Nesterenko, E.G. *see* Danilenko, V.M. 9—61101

Nesterenko, N.M. *see* Otko, A.I. 9—90719

Nesterenko, T.M. *see* Bel'skii, A.M. 9—55157

Nesterenko, V.B. *see* Bezborodov, Yu.A. 9—59917

Nesterenko, V.B. *see* Gvozdev, A.A. 9—70321, 9—70322

Nesterenko, V.B. *see* Mishina, L.V. 9—59965

Nesterenko, V.O. *see* Kiselev, M.A. 9—75944

Nesternenko, E.G., Osipenko, I.A. Dislocation structure of deformed ordered alloys Cu_2MnAl and Fe_2MnAl 9—65085

Nesterov, A.K. *see* Pokryvaylo, N.A. 9—94746

Nesterov, M.M. *see* Bakanov, L.V. 9—75988

Nesterov, M.M. *see* Bunakov, V.E. 9—75882, 9—75928

Nesterov, V.E. *see* Voronov, S.A. 9—76267

Nesterov, V.M. *see* Zhurkin, V.V. 9—89313

Nesterova, M.P. *see* Anufriyeva, N.M. 9—53011

Nesterovich, A.V. *see* Zyatkov, I.P. 9—56861

Nesterovich, L.N., Kupchenko, G.V., Kukareko, T.L. Influence of prolonged annealing on microstructure and properties of directionally crystallised eutectics 9—74182

Nesteruk, V.F. *see* Miroshnikov, M.M. 9—94173

Nestmann, A. *see* Heidberg, J. 9—69914

Nestorov, G.T. On the plasma's autumn-winter transition in the mid-mesosphere 9—62644

Nestorov, G.T., Shkodrov, V.G., Ivanova, V.G. Seasonal variations of VLF-absorption in middle mesosphere and geopotential field 9—66766

Netecha, M.E. *see* Velikhov, E.P. 9—71954, 9—76122

Netesova, N.P. *see* Galashin, E.A. 9—69871

Netherway, D.J., Bursill, L.A., Wood, G.J. Long-range strain and localized relaxation energies of crystallographic shear surfaces 9—94948

Nethken, R. *see* George, O. 9—93209

Netsov, A. *see* Sukonkina, E.A. 9—57809

Nettel, S.J., Heinekamp, S. Polaron transport in a long phonon waves approximation 9—90975

Nettel, S.J., Lempicki, A. Resonant energy transfer in stoichiometric rare earth compounds 9—99930

Nettelbladt, H. Easy to calculate: power in a fibre from a light diode 9—55208

Nettelhorst, H.von *see* von Nettelhorst, H.

Netter, F. *see* Aune, B. 9—72171

Nettleton, R.E. Spin-zero-sound solutions of the quasi-particle Boltzmann equation in normal ^{3}He 9—77856

Nettleton, R.E. Paramagnon exchange and quasi-particle interaction in ^{3}He 9—95231

Netto, C.R.S. *see* Malnic, G. 9—92442

Netto, E.R. *see* Debehogne, H. 9—70985

Netuschil, J.R. *see* Barnes, B.K. 9—49688

Netz, J. *see* Grunewald, G. 9—100589

Netzer, F.P. Auger spectra of CO, C_2H_4, C_2N_2 and C_6H_6 adsorbed on Pt (111) 9—52077

Netzer, F.P. *see* Bertel, E. 9—69361

Netzer, F.P. *see* Matthew, J.A.D. 9—69926

Netzer, H., Davidson, K. The intrinsic spectra of quasars 9—67113

Netzer, H. *see* Ferland, G.J. 9—101214

Neu, J.C. Chemical waves and the diffusive coupling of limit cycle oscillators 9—83454

Neubacher, H. *see* Schnepel, G.H. 9—96622

Neubauer, B. *see* Wendler, B. 9—74334

Neubauer, F.M. *see* Gurnett, D.A. 9—53700

Neubauer, F.M. *see* Musmann, G. 9—92679

Neubauer, F.M. *see* Ness, N.F. 9—96956

Neubauer, M. *see* Hafner, D. 9—53167, 9—83817

Neuberger, H. *see* Casher, A. 9—89176

Neuberger, J. *see* Cha Ik Chang 9—77813

Neubert, A. Mass spectrometric determination of the atomization energies of Te_n (n=3-7) molecules 9—70361

Neubert, M.E., Ferrato, J.P., Carpenter, R.E. Synthesis and mesomorphic properties of the homologous series of trans-1,4-cyclohexane-di-4'-n-alkoxybenzenes 9—94887

Neubert, M.E., Fishel, D.L. Syntheses of liquid crystal intermediates: 4-alkylbenzoyl chlorides 9—90540

Neubert, M.E. *see* Cladis, P.E. 9—77730

Neubert, M.E. *see* Vaz, N.A.P. 9—60270

Neuburg, E.P. Automatic thresholding for voicing detection algorithms 9—64425

Neudatchin, V.G., Smirnov, Yu.F., Golovanova, N.F. Clustering phenomena and high-energy reactions 9—75874

Neudatchin, V.G. *see* Persiantseva, N.M. 9—56149

Neufang, O. Rational and practical X-ray diagnosis of the colon 9—83922

Neufeld, C.R. Departures from thermal equilibrium in a dense Z-pinch plasma 9—82094

Neufeld, C.R. Reply to 'Comments on the spectroscopic analysis of a high-density plasma' 9—98981

Neufeld, P., Zervas, T. The relationship between polarisation characteristics and the electropolishing behaviour of copper 9—83386

Neufeld, P. *see* Jelinek, J. 9—52415

Neufert, A. *see* Miethe, K. 9—83085

Neuffer, D. Longitudinal motion in high current ion beams. A self-consistent phase space distribution with an envelope equation 9—68067

Neugebauer, G., Oke, J.B., Becklin, E.E., Matthews, K. Absolute spectral energy distribution of quasi-stellar objects from 0.3 to 10 microns 9—62926

Neugebauer, G. *see* Becklin, E.E. 9—58424

Neugebauer, G. *see* Elias, J. 9—58353

Neugebauer, G. *see* Werner, M.W. 9—84842

Neuhaus, R. *see* Backe, W. 9—84003

Neuhofer, G. *see* Fidecaro, G. 9—85343

Neuhoff, V. *see* Zimmer, H.-G. 9—84064

Neuimin, A.D. *see* Gil'derman, V.K. 9—82478

Neuimin, G.G., Sorokina, N.A. Statistical relationships between the transparency field in the ocean and the hydrological and biological characteristics 9—88361

Neuimina, E.G. *see* Zabelina, I.A. 9—83781

Neumaier, K. *see* Locatelli, M. 9—65601

Neuman, R.D. *see* Bilkadi, Z. 9—52770

Neuman, S.P. *see* Narasimhan, T.N. 9—79900

Neumann, B. *see* Berger, C. 9—49519

Neumann, C.J., Mandal, G.S. Statistical prediction of tropical storm motion over the Bay of Bengal and Arabian Sea 9—96789

Neumann, D.B. *see* Krauss, M. 9—76412, 9—86025, 9—98176

Neumann, E. *see* Dorogi, P.L. 9—100590

Neumann, E. *see* Hecht, A. 9—91878

Neumann, E.-G. *see* Albrecht, J. 9—59825

Neumann, G. *see* Vogt, H. 9—61376

Neumann, H., Horig, W., Reccius, E., Sobotta, H., Schumann, B., Kuhn, G. Growth and optical properties of $CuGaTe_2$ thin films 9—95296

Neumann, H., Kosakov, A. Tight-binding calculation of the density of valence states of GeS, GeSe and GeTe 9—77976

Neumann, H., Peters, D., Schumann, B., Kuhn, G. Electrical properties of $CuGaTe_2$ epitaxial layers 9—65565

Neumann, H. *see* Horig, W. 9—65896

Neumann, H. *see* Schumann, B. 9—65564

Neumann, J. Some observations on the simple exponential function of a Lagrangian velocity correlation function in turbulent diffusion 9—58001

Neumann, J. Location of the eddy viscosity maximum in smooth pipe flow 9—81860

Neumann, J. Great historical events that were significantly affected by the weather. III. The cold winter of 1657-58, the Swedish army crosses Denmark's frozen sea areas 9—88791

Neumann, M., Vesely, F.J., Steinhauser, O., Schuster, P. Solvation of large dipoles. II. A molecular dynamics study 9—77470

Neumann, M. *see* Braun, W. 9—74060

Neumann, M. *see* Steinhauser, O. 9—77488

Neumann, P. An acoustic detector for β- and γ-radiation 9—63876

Neumann, P. *see* Vehoff, H. 9—61695

Neumann, P.E.L. *see* Harness, J.B. 9—58742

Neumann, R.M., Macknight, W.J. Dielectric relaxation behavior of some ethylene-methacrylic acid copolymers and their methyl esters 9—69772

Neumann, W. Atomic electron correlation in the M capture of ^{37}Ar 9—63634

Neumann, W., Cleemann, L., Eberth, J., Wiehl, N., Zobel, V. Details of conversion electron spectroscopy with mini-orange spectrometers 9—93864

Neumann, W., Kloetz, G. Holographic testing of metallic coatings 9—79186

Neumark, G.F. *see* Kosai, K. 9—99572

Neumuller, H. *see* Klaumunzer, S. 9—87179

Neunhofer, H. Anisotropic attenuation of mean-period Rayleigh waves 9—88259

Neupert, W.M. *see* Chapman, R.D. 9—53782

Neuschaefer, H.E., Humphries, J.R. Cavity geometry impact on power distribution measurement with multisection ex-core detectors 9—93794

Neusser, H.J. *see* Knoth, I. 9—89724

Neustadter, S.F. The time dependent Poisson queue and moving boundary problems for the heat and wave equation 9—63172

Nevdakh, V.V. *see* Leshenyuk, N.S. 9—94067

Neve de Mevergnies, M. Effect of pressure and pulse length on the isotopically selective photodissociation of freon CF_2Cl_2 under CO_2 laser pulses 9—86013

Nevereov, A.D. *see* Kotler, N.I. 9—95947

Neverov, A.N. *see* Nikishin, E.L. 9—95217

Neverov, V.I., Pimenov, V.N., Gurov, K.P. Interdiffusion in the α solid solution of aluminium in iron 9—99373

Neveu, A. *see* Gervais, J.L. 9—75684, 9—75724

Neveu, A. *see* Hasslacher, B. 9—54251

Neviere, M. *see* Loewen, E.G. 9—81525

Neviere, M. *see* Vincent, P. 9—75664

Neville, D.E. 'No hair' theorem for black holes in the Mansouri-Chang theory of gravitation 9—49145

Nevinnyi, A.V., Zemtsov, E.E., Rudkin, A.T., Ramazanova, S.M. Correction of seismic constructions in layered media with curvilinear boundaries 9—88261

Nevins, W.M. *see* Lee, W.W. 9—86574

Nevins, W.McCay *see* McCay Nevins, W.

Nevolin, V.N. *see* Bykovskii, Yu.A. 9—83532

Nevolin, V.N. *see* Gladskoi, V.M. 9—55596

Nevriva, M. *see* Simsova, J. 9—82848

Nevrovskii, V.A. Instability of molten-metal film in an electric field 9—64780

Nevrovskii, V.A. Thermal anode instability in the prebreakdown stage of vacuum breakdown 9—77445

Nevskii, I.A. *see* Zhulanov, Yu.V. 9—54244

Nevskii, N.N., Glasser, L.D., Ilyukhin, V.V., Belov, N.V. The crystal structure of the simplest strontium aluminate with three-dimensional framework 9—86766

Nevskii, N.N., Glasser, L.D., Ilyukhin, V.V., Belov, N.V. Determination of the crystal structure of strontium aluminate by means of vector subsystems 9—94983

Nevskii, N.N., Ilyukhin, V.V., Ivanova, L.I., Belov, N.V. Structure of new calcium triorthogermanate $Ca_4(Ge_3O_{10}).H_2O$ 9—90627

Nevskii, N.N., Ivanova, L.I., Ilyukhin, V.V., Belov, N.V. Crystal structure of calcium-germanium chondrodite $Ca_5[GeO_4]_2(OH)_2$ 9—82191

Nevskii, N.N., Ivanova, L.I., Ilyukhin, V.V., Belov, N.V. Crystal structure of a new lithium germanate $Li_2Ge[GeO_3]_2(OH)_2$ 9—90629

Nevskiy, L.B. *see* Bokser, V.D. 9—77165

Nevsky, O.B. *see* Malinin, A.Ju. 9—51453, 9—52134

Nevzorova, E.G. *see* Novikov, V.F. 9—70278

New, D. *see* Gudmundsson, H. 9—60784

New, D.A., Arajs, S., Luborsky, F.E., Kemeny, T., Vincze, I. Electrical resistivity of glassy $(Fe_xNi_{100-x})_{80}B_{20}$ (x=30, 40, 50, 60, 70) alloys at elevated temperatures 9—73484

New, G.H.C. Theory of passive mode-locking in giant pulse lasers 9—72608

Newaishy, G.A. *see* Bottrill, D.O. 9—74742

Newark, M.J., Elms, P. Glastonbury funnel cloud 9—66783

Newberger, B.S. *see* Godfrey, B.B. 9—76176

Newberry, M.W. *see* Bonsor, D.H. 9—51013

Newberry, R.J. *see* Morris, M.C. 9—60223

Newbery, G.W. *see* Cram, L.A. 9—76649

Newbower, R.S., Cooper, J.B. Comments of 'An esophageal multiprobe for temperature, electrocardiogram, and heart and lung sounds measurements' 9—57791

Newburgh, R.G. Relativistic thermodynamics: temperature transformations, invariance and measurement 9—92935

Newcomb, J. *see* Gray, T.J. 9—69906

Newcomb, J. *see* Tawara, H. 9—76379

Newcombe, H.B. Nuclear risks 9—85696

Newcombe, H.B. Public health aspects of radiation 9—88141

Newcombe, H.B. *see* Myers, D.K. 9—100681

Newell, A.C. Long waves-short waves; a solvable model 9—49062

Newell, A.C. Soliton perturbations and nonlinear focusing 9—75369

Newell, D.M. *see* Bouquet, F.L. 9—92648

Newell, J. Unlimited use of lasers 9—72577

Newell, J.C. *see* Fried, R.L. 9—96694

Newell, W.R. *see* Khakoo, M.A. 9—81282

Newhall, D.H., Ogawa, I., Zilberstein, V. Recent studies of float and stall curves in controlled-clearance deadweight testers with a simple piston 9—88973

Newham, P. *see* Deutschmann, M. 9—85345

Newkirk, L.L. *see* Walt, M. 9—66862

Newkirk, L.R. *see* Thompson, J.D. 9—56455

Newman, B. *see* Mergerian, D. 9—50444

Newman, B.A. *see* Scheinbeim, J. 9—90568

Newman, C.B., Anderson, K.J., Coleman, R.N., Hogan, G.E., Karhi, K.P., McDonald, K.T., Pilcher, J.E., Rosenberg, E.I., Sanders, G.H., Smith, A.J.S., Thaler, J.J. Determination of the pion structure function from muon-pair production 9—63553

Newman, C.B. *see* Anderson, K.J. 9—67612

Newman, C.B. *see* Hogan, G.E. 9—63552

Newman, C.M. Critical point inequalities and scaling limits 9—54083

Newman, C.M. Short distance and the maximal degree of a field theory 9—54279

Newman, D.J. *see* Ahmad, S. 9—56153

Newman, D.J.S. *see* Wootton, R.J. 9—83835

Newman, D.L., Westerhof, N., Sipkema, P. Modelling of aortic stenosis 9—79581

Newman, E.A. B-wave currents in the frog retina 9—57652

Newman, E.T., Porter, J.R., Tod, K.P. Twistor surfaces and right-flat spaces 9—49119

Newman, G.R., Herring, J.R. A test field model study of a passiv scalar in isotropic turbulence 9—94596

Newman, H. *see* Barber, D. 9—54289, 9—54346

Newman, H. *see* Barber, D.P. 9—89175, 9—97631

Newman, J. *see* Edwards, T.J. 9—51243

Newman, J.C., Jr. *see* Raju, I.S. 9—77013

Newman, J.J., Katz, E.R. Thermal-magnetic properties of CrO_2 powder 9—51821

Newman, L. *see* Forrest, J. 9—83658

Newman, L.A. *see* Lawton, S.A. 9—86159

Newman, P.B., Brown, H.F. An inexpensive yet versatile laboratory timer 9—67282

Newman, S.P. *see* Kingstone, D. 9—70614

Newnham, R.E. *see* Cline, T.W. 9—56731

Newnham, R.E. *see* Nomura, S. 9—87395

Newns, D.M. *see* Hewson, A.C. 9—60732

Newns, D.M. *see* Muscat, J.P. 9—60625, 9—87139

Newns, G.R. *see* Ainslie, B.J. 9—76893

Newns, M., Williams, C.J.H., Crabb, R.L. The ESA solar array for Space Telescope 9—96885

Newport, R.W., Ball, M., Banks, P.H.T., Brewer, G., Clee, P.T.M., Cragg, D.A., Cunliffe, N.H., Simkin, J., Swain, J.H., Wigley, R. An axially polarised proton target for the measurement of A and R parameters in the reaction $\pi^- p \to K^0 \Lambda^0$ in the momentum range 1.34-2.24 GeV/c 9—63834

Newrock, R.S. *see* Boysel, R.M. 9—99529

Newrock, R.S. *see* Mitchel, W.C. 9—99532

Newrock, R.S. *see* Tausch, P.J. 9—95385

Newsom, C.R. *see* Bonner, B.E. 9—67572, 9—75783

Newsom, C.R. *see* Hollas, C.L. 9—75786

Newsom, G.H. *see* Baig, M.A. 9—85926

Newsome, C.S., How, M.J. Acute fish toxicity and absorption tests of an experimental detergent builder, trisodium carboxymethyloxysuccinate 9—57184

Newsome, G.H. *see* Collins II, G.W. 9—88679

Newton, A.A. *see* Firth, L. 9—63260

Newton, A.A. *see* Hancox, R. 9—71976

Newton, G.W.A. *see* Neil, D.A. 9—76245

Newton, J. *see* Dennis, N.T.M. 9—63254

Newton, J.R.H. *see* Dennis, N.T.M. 9—67329

Newton, M.D. Nuclear radiation as a probe of chemical bonding. The current interplay between theory and experiment 9—79339

Newton, R.G. A new representation for quantum mechanics 9—63087

Newton, R.G. New result on the inverse scattering problem in three dimensions 9—88835

Newton, R.G. *see* Lichtenberg, D.B. 9—53974

Newton, R.R. The strange case of Claudius Ptolemy 9—67131

Newton, T.H. *see* Norman, D. 9—92360

Nex, C.M.M. *see* Davis, E.A. 9—60464

Nexsen, W.E. *see* Turner, W.C. 9—86589

Ney, J.F. Containment and surveillance techniques for the IAEA 9—85645

Ney, J.F. Containment and surveillance systems for international safeguards 9—85676

Neylan, A.J. HTGR R&D programs 9—97757

Neynaber, R.H., Tang, S.Y. Chemi-ionization in collisions of metastable neon with xenon 9—68306

Neynaber, R.H., Tang, S.Y. Composition of partially metastable Kr beams 9—85914

Nezbeda, I., Leland, T.W. Conformal theory of hard non-spherical molecule fluids 9—94860

Nezbeda, I., Smith, W.R. The RAM perturbation theory and the hard dumbbell fluid 9—72980

Nezbeda, I., Smith, W.R., Boublik, T. Conjectures on fluids of hard spherocylinders, dumbbells, and spheres 9—50970

Nezhdanova, S.A. *see* Abdivaliev, L. 9—93568

Nezhevenko, E.S., Potaturkin, O.I. Method of realising non-linear operators by means of coherent optics 9—94157

Nezhevenko, O.A. *see* Budker, G.I. 9—72176

Nezit, P. Gravity waves with surface tension depending on impurities. Analogy with gas dynamics 9—90267

Nezlin, M.V. *see* Anitpov, S.V. 9—77381

Neznaiko, N.F. *see* Davydov, R.M. 9—70506

Nezrick, F. *see* Ammosov, V. 9—71737

Nezrick, F.A. *see* Berge, J.P. 9—71741

Nezrick, F.A. *see* Efremenko, V.I. 9—75763

Nezu, I. *see* Nakagawa, H. 9—81974

Ng, B.W. *see* Jean, Y.C. 9—100422

Ng, C.Y. *see* Ceyer, S.T. 9—57212

Ng, C.Y. *see* Tiedemann, P.W. 9—89622

Ng, E. *see* Dobry, R. 9—66637

Ng, H.N., Calvo, C., Idler, K.L. Crystallographic studies and structural systematics of the C2/c alkali metal metavanadates 9—55719

Ng, J.N. *see* Miller, G.A. 9—89166

Ng, K.C., Meath, W.J., Allnatt, A.R. Charge overlap effects and the validity of the multipole results for first-order molecule-molecule intermolecular forces using pair interactions involving the ground state H_2, N_2, CO_2, HF and LiH molecules as models 9—89730

Ng, K.-C., Valleau, J.P., Torrie, G.M., Patey, G.N. Liquid-vapour co-existence of dipolar hard spheres 9—99293

Ng, K.H., Beard, D.B. Possible displacement of Mercury's dipole 9—80252

Ng, K.K. *see* Card, H.C. 9—99631

Ng, P. *see* Krause, W. 9—79690

Ng, P.H., Gladd, N.T., Liu, C.S. Warm plasma effects on drift cyclotron loss cone mode 9—68904

Ng, Y.S., Tsong, T.T., McLane, S.B., Jr. Atom-probe FIM investigation of surface segregation in Ni-Cu stainless steel 410 and Pt-Au alloys 9—77883

Ngai, K.L. *see* Devreese, J.T. 9—61227

Ngee-Pong Chang, Nelson, C.A. Unification of linear Regge trajectories for all QQ families 9—89141

Ngi Pham Gia *see* Pham Gia Ngi

Ngo, C. *see* Berlanger, M. 9—67636

Ngo, C. *see* Lebrun, C. 9—63707

Ngo, H. *see* Bouyssy, A. 9—93631

Ngo, T.A. *see* Prudhomme, J.C. 9—50084

Ngo Thong, Schwarzenbach, D. The use of electric field gradient calculations in charge density refinements. II. Charge density refinement of the low-quartz structure of aluminum phosphate 9—73480

Ngo Thong *see* Schwarzenbach, D. 9—73479

Ngoc, H.Nguyen *see* Nguyen Ngoc, H.

Ngoc Chan *see* Kaminskii, A.A. 9—99910

Ngoc Tuan Vu *see* Vu Ngoc Tuan

Nguen Khi Nguen *see* Nguen Nguen Khi

Nguen Kuang Bau *see* Shmelev, G.M. 9—69542

Nguen Nguen Khi *see* Sirota, N.N. 9—82469

Nguen Van D'ep General theory of homogeneous mixtures in an electromagnetic field 9—94725

Nguyen, A.T. *see* Brumant, J. 9—87438

N'Guyen, D.D., Mamouni, A., Leroy, Y., Constant, E. Simultaneous microwave local heating and microwave thermography. Possible clinical applications 9—100695

Nguyen, D.H. Optimum nuclear pin bundle for prototypic thermal-hydraulic environment in large-scale testing 9—76065

Nguyen, D.H., Plein, H.G. Effect of radiative heat transfer on the thermal-fluid behavior of molten UO_2 9—93783

Nguyen, D.H. *see* Vanier, J. 9—98029

Nguyen, H. Numerical analysis of unsteady compressible laminar boundary layer flow 9—94586

Nguyen, H., Boger, D.V. The kinematics and stability of die entry flows 9—60026

Nguyen, H., Laesen, M.L. On the formulation of the theoretical interfacial constitutive models for transient two-phase flows 9—86497

Nguyen, N. *see* Maximovitch, S. 9—52923

Nguyen, P.H., Boutrit, C., Lepley, B., Ravelet, S. A method for determining interfacial parameters of MIS Schottky barriers 9—95505

Nguyen, T.D. *see* Hammelman, J.E. 9—89419

Nguyen, T.D. *see* Mosteller, R.D. 9—89475

Nguyen, T.P., Minn, S. Electrode effects in electrical measurements in SiO thin films 9—78203

Nguyen, T.T.A. *see* Cinti, R.C. 9—91566

Nguyen, V.D. *see* Massenet, O. 9—82765, 9—91214

Nguyen, V.D. *see* Schlenker, C. 9—78337

Nguyen, V.T. *see* Bridges, T.J. 9—82873

Nguyen Ai Viet *see* Nguyen Ba An 9—95753

Nguyen Ai Viet *see* Nguyen Van Hieu 9—56792

Nguyen Ba An, Nguyen Van Hieu, Nguyen Toan Thang, Nguyen Ai Viet Elastic scattering of light in polaron gas 9—95753

Nguyen Hoang Xuan *see* Hoang Xuan Nguyen

Nguyen Huu Anh Classification of connected unimodular Lie groups with discrete series 9—53958

Nguyen Huu Tinh, Destrade, C., Gasparoux, H. Nematic disc-like liquid crystals 9—77513

Nguyen Huu Tinh *see* Beguin, A. 9—86680

Nguyen Huu Tinh *see* Hardouin, F. 9—94890

Nguyen Huu-Doan *see* Chon Trung Hua 9—62776

N'Guyen Kanh, C. *see* Aknin, J.P. 9—68001

Nguyen Ngoc, H. *see* Badier, J. 9—93460

Nguyen Quoc Son A thermodynamic description of the running crack problem 9—64582

Nguyen Quy Dao, Brusset, H., Knidiri, M. Vibrational spectra of $K_3(UO_2)_2F_7.2H_2O$ and $K_2(UO_2)_3F_8.4H_2O$ 9—51937

Nguyen Tan, T. *see* Vincent-Geisse, J. 9—54913

Nguyen Tan Phat *see* Ueno, S. 9—83974

Nguyen Toan Thang *see* Nguyen Ba An 9—95753

Nguyen Van, V., Theye, M.I., Fisson, S. The temperature dependence of drude absorption in thin polycrystalline gold films 9—78779

Nguyen van Chi, G. *see* Saab, A. 9—84398

Nguyen Van Giai *see* Bernard, V. 9—93578

Nguyen Van Hieu Asymptotic theorems and polarization phenomena 9—63334

Nguyen Van Hieu, Nguyen Ai Viet Electronic Raman scattering on donor levels in three-band semiconductors with direct band gaps 9—56792

Nguyen Van Hieu *see* Nguyen Ba An 9—95753

Nguyen Van Lien *see* Efros, A.L. 9—69461

Nguyen Van Que *see* Billiotte, M. 9—64813

Nguyen Van Que *see* Brun, R. 9—64642

Nguyen Van Trong Theory of inelastic reflection of particles by Rayleigh waves 9—74022

Nguyen Xuan, C. *see* Lenzi, M. 9—54948

Nguyen Xuan, C. *see* Margani, A. 9—63950

Nguyen-Dang, T.Tung *see* Tung Nguyen-Dang, T.

Nguyen-Huy-Dung *see* D'Yvoire, F. 9—90600

Nguyen-Khac, U. *see* Armenise, N. 9—67536, 9—93397, 9—93398

Nguyen-Q-Rieu, Laury-Micoulaut, C., Winnberg, A., Schultz, G.V. OH maser luminosity and expansion velocity gradient in Mira envelopes 9—71043

Nguyen-Tat, T. *see* Gust, W. 9—91653

Nguyen-Tat Thinh *see* Thinh Nguyen-Tat

Nguyen-Trong, T. *see* Lamy, P.L. 9—92678

Nguyen-trut-Dinh *see* Fava, J. 9—78734

Nhan Phan-Thien, Tanner, R.I. Langevin analysis of dumbbells with hydrodynamic interaction 9—77042

Nhat Quang Doan *see* Doan Nhat Quang

Ni, A.L., Ryzhov, O.S. Equations of transonic flows of relaxing mixtures 9—64797

Ni, C.C., Hansen, R.J. An experimental study of the flow-induced motions of a flexible cylinder in axial flow 9—98679

Ni, W.-T. Hojman-Rosenbaum-Ryan-Shepley torsion theory and Eotvos-Dicke-Braginsky experiments 9—71336

Ni Guang-jiong The Levinson theorem and its generalization in relativistic quantum mechanics 9—80461

Ni Guang-jiong The Levinson theorem and its generalization in relativistic quantum mechanics 9—92988

Ni Guang-jiong, Su Ru-keng On CPT invariance and the arrow of time 9—63380

Ni Wei-Tou *see* Wei-Tou Ni

Ni Ya-cai *see* Zhao Ke-gong 9—97342

Ni Yu-cai Optical feedback in the lasers 9—81405

Nian-kai Chen *see* Chen Nian-kai

Nian-le Wun *see* Wun Nian-le

Niarchos, D. *see* Viccaro, P.J. 9—78579

Nias, A.H.W. *see* Carr, K.E. 9—62300

Niay, P., Bernage, P., Bocquet, H. Stimulated electronic Raman scattering in rubidium vapour 9—76754

Niay, P., Bernage, P., Bocquet, H., Houdart, R. High-resolution measurements on the 4←0, 5←0 infrared absorption bands of deuterium iodide 9—98091

Niay, P., Coquant, C., Bernage, P. Determination of the matrix elements of an anharmonic oscillator: the use of commutation relations for a Dunham potential developed to sixth order 9—54832

Nibbering, N.M.M. *see* van der Greef, J. 9—92046

Nibler, J.W. *see* Gross, K.P. 9—68223

Nibler, J.W. *see* Guthals, D.M. 9—54860, 9—76683

Nichipor, G.V. *see* Gvozdev, A.A. 9—70321, 9—70322

Nichiporenko, O.S. *see* Manokhin, A.I. 9—100090

Nichiporenko, O.S. *see* Naida, Yu.I. 9—100073

Nichitiu, F. *see* Falomkin, I.V. 9—85376

Nichkov, I.F. *see* Yamshchikov, L.F. 9—70041

Nicholas, L.S. *see* Brookshire, R.H. 9—96704

Nicholas, M.G. *see* Old, C.F. 9—52421

Nicholas, R.J., Portal, J.C., Houlbert, C., Perrier, P., Pearsall, T.P. An experimental determination of the effective masses for $Ga_xIn_{1-x}As_yP_{1-y}$ alloys grown on InP 9—65370

Nicholas, R.J., Stradling, R.A. Size resonant scattering from a hard cylindrical potential observed in the magnetoresistance of InSb 9—95421

Nicholas, R.J., Stradling, R.A., Portal, J.C., Askenazy, S. The magnetophonon effect in $InAs_{1-x}P_x$ 9—65500

Nicholas, R.J., Stradling, R.A., Portal, J.C., Perrier, P., Askenazy, S. Shubnikov-de Haas oscillations in n-channel silicon (100) MOSFETS in magnetic fields up to 35 T 9—91154

Nicholas, R.J., Stradling, R.A., Ramage, J.C. Evidence for a reduction in the momentum matrix element P^2 due to alloy disorder in $InAp_{1-x}P_x$ 9—65853

Nicholl, A.R. The Larson-Miller C constant as applied to a cobalt-based directionally solidified eutectic alloy 9—70162

Nicholls, B. *see* Gallagher, S.F. 9—88143

Nicholls, G. *see* Griffin, J.E. 9—68053

Nicholls, J.A. *see* Gabrijel, Z. 9—64691

Nicholls, J.E., Davies, J.J. An optically-detected magnetic-resonance investigation of the 1.91 eV red emission in zinc selenide doped with phosphorus and gallium 9—69750

Nicholls, J.E. *see* Davies, J.J. 9—95685

Nicholls, K.H., Cox, C.M. Atmospheric nitrogen and phosphorous loading to Harp Lake, Ontario, Canada 9—53383

Nicholls, N. A simple air-sea interaction model 9—79969

Nicholls, R.L., Child, T.N. Solar radiation charts 9—66779

Nicholls, R.W. A model non-symmetric, inverted triangle molecular potential 9—74400

Nicholls, R.W. *see* Cann, M.W.P. 9—62575

Nicholls, R.W. *see* Pritchard, H.O. 9—84668

Nichols, A.L. Current status of evaluated heavy element decay data for reactor calculations: Problems and anomalies-May 1979 9—97772

Nichols, B.D., Hirt, C.W. Numerical simulation of BWR vent clearing hydrodynamics 9—49659

Nichols, D.R., Matthews, R.A. The US Geological Survey's role in geologic-related hazards warning 9—84488

Nichols, F.A. A model for radiation creep due to the SIPA effect 9—89379

Nichols, H. *see* Frech, R. 9—56796

Nichols, H.F., Frech, R. The internal optic modes of $NaClO_3/NaBrO_3$ mixed crystals 9—95746

Nichols, J.A., Jones, R.D., Woodriff, R. Background reduction during direct atomization of solid biological samples in atomic absorption spectrometry 9—74795

Nichols, S. Effects of rigid body translations in computer-simulated grain boundaries 9—60386

Nichols, W.W. *see* DeLoskey, A.F. 9—53178

Nicholson, D. *see* Parsonage, N.G. 9—65308

Nicholson, D.W. Comments on damped response in linear systems 9—64569

Nicholson, F.D. A model of the mass transfer of corrosion products in high temperature, high pressure water circuits 9—67813

Nicholson, J.E. *see* Domkowski, A.J. 9—58679

Nicholson, J.P. Direct observation of Raman shifts in a FIR superradiant laser 9—55120

Nicholson, M.K., Aziz, K., Gregory, G.A. Intermittent two phase flow in horizontal pipes: predictive models 9—64740

Nicholson, P.S. *see* Green, D.J. 9—66141, 9—70156

Nicholson, P.W. An improved liquid nitrogen level sensor 9—63201

Nicholson, W. *see* Vasilevskis, S. 9—88711

Nickel, B.G., Sharpe, B. On hyperscaling in the Ising model in three dimensions 9—93052

Nickel, F. *see* Marx, D. 9—76241

Nickel, H., Peuser, F.A., Mazurkiewicz, M. Evaporation of material and influence of auxiliary spark gap on the spectral excitation by means of laser emission spectroscopy for local analysis of graphite 9—87924

Nickel, H. *see* Heinrich, G. 9—87843

Nickel, H. *see* Penkalla, H.J. 9—59247

Nickel, H. *see* Poestges, A. 9—87764

Nickel, H. *see* Putter, B. 9—71941

Nickel, H. *see* Vukanovic, V.M. 9—54196

Nickel, H. *see* Weden, G. 9—57345

Nickel, J.A. *see* Renner, J.W. 9—71170

Nickel, O. Properties and new applications of nickeliferous materials 9—79182

Nickell, R.E., Gartling, D.K., Strang, G. Spectral decomposition in advection-diffusion analysis by finite element methods 9—49053

Nickels, R.C. *see* Dickinson, S.M. 9—90164

Nickelsen, R.P. Sequence of structural stages of the Alleghany orogeny, at the Bear Valley Strip Mine, Shamokin, Pennsylvania 9—88348

Nickerson, C.L. *see* Halliday, J.W. 9—52699

Nickerson, S.B., Johnston, T.W. A solitary nonlinear surface plasma density wave 9—98896

Nicklaus, E. Optical properties of some alkaline earth halides 9—82994

Nicklen, D.A.L., Gabe, D.R. AC anodizing of aluminium in sulphuric acid 9—52465

Nickles, R.J. *see* Hichwa, R.D. 9—53239

Nicklow, R.M. *see* Crummett, W.P. 9—95101

Nicklow, R.M. *see* Smith, H.G. 9—95116

Nicklow, R.M. *see* Stassis, C. 9—86859

Nicklow, R.M. *see* Tsunoda, Y. 9—69212

Nickola, P.W. *see* Doran, J.C. 9—70823

Nicks, R. *see* Farinelli, U. 9—67873

Niclause, M. *see* Jezequel, J.-Y. 9—52649

Nico Spinelli, D., Jensen, F.E. Plasticity: the mirror of experience 9—83734

Nicodemo, L. *see* Ferrini, F. 9—82011

Nicol, A.T., Vaughan, R.W. The proton chemical shift in polycrystalline $H_2Os_3(CO)_{10}$, $H_4Ru_4(CO)_{12}$, and $H_4Os_4(CO)_{12}$ 9—95655

Nicol, G.D. *see* Miller, W.H. 9—74654

Nicol, M. *see* Hara, Y. 9—87442

Nicol, S.K. *see* Rayner, J.G. 9—82012

Nicol, T.H. *see* Higgins, E.F., Jr. 9—72156

Nicola, J.H., Brunharoto, C.A., Abramovich, M., Concalves da Silva, C.E.T. Second order Raman spectrum of rutile TiO_2 9—61364

Nicola, J.H. *see* Couto, R.M. 9—82760

Nicola, J.H. *see* Scott, J.F. 9—73928

Nicola, J.H. *see* Zvirgzds, J.A. 9—56795

Nicolaci Da Costa, L., Knobloch, E. Evolution of galaxies in clusters 9—71132

Nicolae, G.C. *see* Hohne, K.H. 9—79640

Nicolae, V. *see* Teodosiu, C. 9—57024

Nicolaescu, I.V. *see* Glodeanu, F. 9—61551

Nicolai, H. Asymptotic freedom with infinitely many quarks? 9—71699

Nicolai, H. A possible constructive approach to (super-$\phi^3)_4$. II. Regularization of the model 9—89059

Nicolai, H. A possible constructive approach to (super-$\phi^3)_4$. III. On the normalization of Schwinger functions 9—89060

Nicolai, L.I., de Tendler, R.H. Chromium diffusion in Zircaloy-4 9—73347

Nicolaidis, A. A leading log derivation of the Sterman-Weinberg jets 9—63413

Nicolais, L. *see* Ferrini, F. 9—82011

Nicolaisen, B. *see* Rost, A. 9—50549

Nicolaisen, F.M., Christiansen, J.J. Infrared spectra and vibrational assignment of tricarbon oxide sulphide, C_3OS. Calculations of normal modes and valence force constants 9—50014

Nicolaisen, F.M., Hansen, E.L. The temperature dependence of infrared absorption spectra, with special attention to the far-infrared region examples for carbon suboxide (20-100 cm^{-1}) and aniline (20-60 cm^{-1}) 9—59450

Nicolaisen, R. *see* Guarnieri, A. 9—59446

Nicolaras, H. *see* Neilson, R.M., Jr. 9—85631

Nicolas, J.-C., Potier, A. Total exchange of halogens between GaI_3 and $SbCl_3$ (spectroscopic study and phase equilibrium) 9—65874

Nicolas, J.J., Gubbins, K.E., Streett, W.B., Tildesley, D.J. Equation of state for the Lennard-Jones fluid 9—73083

Nicolas, K.R. *see* Bartoe, J.-D.F. 9—53794

Nicolas, K.R. *see* Cook, J.W. 9—53786

Nicolas, K.R. *see* Jordan, C. 9—53795

Nicolas, P. *see* Esteve, J. 9—79606

Nicolau, A.T. Study of temperature variation with ultrasonic attenuation in Ge 9—77691

Nicolau, C., Klenk, H.-D., Hildenbrand, K., Reimann, B., Reimann, A., Bauer, H. Early molecular events in the interaction of enveloped viruses with cells. I. A fluorescence and radioactivity study 9—100561

Nicolau, C. *see* Perram, J.W. 9—100562

Nicolau, E. Reciprocity and conservation theorems for fields with general time dependence 9—80452

Nicolay, N. *see* Mahe, C. 9—50452

Nicolescu, D. *see* Hortopan, G. 9—72455

Nicolet, M.A. *see* Matteson, S. 9—90690

Nicolet, M.A. *see* Roulet, M.E. 9—99989

Nicolet, M.A. *see* von Allmen, M. 9—69913

Nicolet, M.-A. *see* Finstad, T.G. 9—51444

Nicolet, M.-A. *see* Mayer, J.W. 9—96408
Nicolet, M.-A. *see* Tandon, J.L. 9—69118
Nicoletti, G. *see* Battistoni, G. 9—81123, 9—93875
Nicoletti, M. *see* Casnedi, R. 9—100818
Nicoli, D. *see* Hochberg, A. 9—79315
Nicolis, C. Remark on the causes of solar activity 9—84761
Nicolis, G., Malek-Mansour, M. Nonequilibrium phase transitions and chemical reactions 9—79221
Nicolis, G. *see* Herschkowitz-Kaufman, M. 9—70302
Nicoll, D.W. *see* Peternelj, J. 9—61252
Nicoll, J.F. Calculating the equation of state with the Wilson-Kogut renormalization group 9—97249
Nicoll, J.F., Chang, T.S. Crossover relationship between the magnetic susceptibility and the correlation length 9—78395
Nicollet, G., Uan, M. Continuous free-surface flow over composite beds 9—100877
Nicollian, E.H. *see* Casey, H.C., Jr. 9—87157
Nicollier, C. *see* Courtin, R. 9—75151
Nicollin, D. *see* Asano, M. 9—94001
Nicolo, F. *see* Cini, M. 9—84977
Nicolosi, P. *see* Jannitti, E. 9—73041
Nicolosi, P. *see* Malvezzi, A.M. 9—50889
Nicula, A. *see* Bogdan, M. 9—73844
Niculescu, N. *see* Musa, G. 9—89646
Niculescu, V., Budnick, J.I., Hines, W.A., Raj, J., Pickart, S., Skalski, S. Relating structural, magnetic-moment, and hyperfine-field behavior to a local-environment model in $Fe_{3-x}Co_xSi$ 9—65762
Niculescu, V. *see* Budnick, J.I. 9—78583
Niculescu, V. *see* Burch, T.J. 9—69732, 9—78055
Niczyporuk, B. *see* Becker, H. 9—54363, 9—63533
Niczyporuk, B. *see* Gorlich, L. 9—71766
Nidaev, E.V. *see* Kachurin, G.A. 9—69145
Nie Rong *see* Liu Bo-li 9—89506
Nieber, J. *see* Brummer, O. 9—86646
Niebergall, F. *see* Jonker, M. 9—93399
Niebuhr, G. *see* Dorn, L. 9—83414
Nieburgs, C. *see* Nelson, D.J. 9—96516
Nieda, G.E.Von *see* Von Nieda, G.E.
Niederer, U. Massless fields as unitary representations of the Poincare group 9—89056
Niederjohn, R.J., Castelaz, P.F. Zero-crossing analysis methods and their use for automatic speech recognition 9—94420
Niederjohn, R.J. *see* Curtis, R.A. 9—94416
Nieding, G.V. *see* Lollgen, H. 9—83965
Niedrauer, T.M., Martin, S. An experimental study of brine drainage and convection in young sea ice 9—57963
Niedrig, H. *see* Frey, U. 9—51894
Niedzwiecki, A., Ribner, H.S. Subjective loudness and annoyance of filtered N-wave sonic booms 9—50505
Niedzwiecki, A., Ribner, H.S. Subjective loudness of simulated quarry blast waves, with implications for the transition from impulsive to continuous sound 9—72751
Niedzwiedz, M. *see* Burian, A. 9—77519
Niegawa, A., Uranishi, Y. Perturbative QCD corrections in inelastic Compton scattering 9—93342
Nieh, H.T. Understanding $\Gamma(\rho\to\pi\gamma)/\Gamma(\omega\to\pi\gamma)$ 9—63440
Nieh, S. *see* Huang, B.J. 9—74539
Nieh, T.G., Nix, W.D. A study of intergranular cavity growth in Ag+0.1% MgO at elevated temperatures 9—66068
Niehaus, A. *see* Hultzsch, W. 9—64090
Niehaus, A. *see* Morgner, H. 9—64089
Niehaus, F., Williams, J. Studies of different energy strategies in terms of their effects on the atmospheric CO_2 concentration 9—83640
Niehaus, W.C. *see* DiLorenzo, J.V. 9—56307
Niel', M. *see* Kuznetsov, A.V. 9—80371
Niel, M. *see* Mandrou, P. 9—62901
Nield, K. *see* Beretvas, A. 9—89179
Niell, A.E., Ong, K.M., MacDoran, P.F., Resch, G.M., Morabito, D.D., Claflin, E.S., Dracup, J.F. Comparison of a radio interferometric differential baseline measurement with conventional geodesy 9—79722
Nielo, M.M., Simmons, L.M., Jr. Limiting spectra from confining potentials 9—84895
Nielsen, B. Measuring method to determine focal spot sizes from pinhole camera images of diagnostic X-ray tubes 9—79627
Nielsen, B.S. *see* Albrow, M.G. 9—75805
Nielsen, C.E. Conditions for absolute stability of salt gradient solar ponds 9—62095
Nielsen, D., Green, J., Buneman, O. Dynamic evolution of a Z pinch 9—60185
Nielsen, H.B., Ludvigsen, C. Effect of hearing aids with directional microphones in different acoustic environments 9—92239
Nielsen, H.B., Ninomiya, M. A bound on bag constant and Nielsen-Olesen unstable mode in QCD 9—89100
Nielsen, H.B. *see* Ignatiev, A. 9—82449
Nielsen, H.J.V. Curie temperature, crystallization temperature and electrical resistivity as a function of composition for $Fe_{80-x}Mo_xB_{20}$ metallic glasses 9—60285
Nielsen, H.J.V. The eutectic compositions as a basis for the formation of metallic glasses in the binary alloys of iron group transition metals with metalloids 9—74133
Nielsen, H.J.V. The influence of Cr-content on Curie temperature, crystallization temperature and room temperature electrical resistivity of $Fe_{85-x}Cr_xB_{15}$ metallic glasses 9—91229
Nielsen, H.J.Vind *see* Vind Nielsen, H.J.
Nielsen, K.B. *see* Duke, C.L. 9—67663
Nielsen, M., Ellenson, W.D., McTague, J.P. The dynamics and structures of adsorbed surfaces 9—60639
Nielsen, M., McTague, J.P. Oxygen monolayers adsorbed on graphite studied by neutron scattering 9—73401
Nielsen, M. *see* McTague, J.P. 9—65306
Nielsen, M.P., Braestrup, M.W. Shear strength of prestressed concrete beams without web reinforecement 9—52318
Nielsen, N.K. Implications of non-linear invariances for spinor theories in curved spacetime 9—54029
Nielsen, N.K. *see* Ambjorn, J. 9—58924
Nielsen, O. *see* Bak, B. 9—63989
Nielsen, O.B. *see* Azuma, R.E. 9—93550
Nielsen, O.H. *see* Kunc, K. 9—86854
Nielsen, O.M. The change in the interface-state Fermi level of m.i.s. solar cells when going from dark to illuminated conditions 9—66407
Nielsen, O.S., Overgaard, J. Hyperthermic radiosensitization of thermotolerant tumour cells in vitro 9—74600
Nielsen, P. *see* Clausen, B.S. 9—49357
Nielsen, P.E. High-intensity laser-matter coupling in a vacuum 9—90430
Nielsen, S.E., Dahler, J.S. Endoergic chemi-ionization in N-O collisions 9—98208
Nielsen, S.E. *see* Andersen, N. 9—54955
Nielsen, S.O. *see* Albrow, M.G. 9—75805
Nielson, B. A source of systematic error when measuring the focal spot sizes of Roentgen tubes with pinhole cameras 9—75666
Nielson, H. Pluto exposed as a double planet 9—92716
Nielson, H.B. Tachyons in field theory: conventional treatment 9—58888
Nielson, J.O., Pedersen, L.B. Interpretation of potential fields from inclined dikes in the wavenumber domain 9—92630
Nielson, K.K., Brodzinski, R.L., Wogman, N.A. In-situ transuranium element measurement technique for wastes associated with power reactor fuels 9—85715
Nieman, G.C., Colson, S.D. Characterization of the $\tilde{C}'$ state of ammonia observed by three-photon, gas-phase spectroscopy 9—89715
Niemann, H.B. *see* Spencer, N.W. 9—84555
Niemann, R.C. *see* Wang, S.-T. 9—52948
Niemela, V.S. *see* Mendez, R.H. 9—97001
Niemi, A., Byckling, E. A non-singular spherically symmetric separable copy of the vacuum in SU(2) Landau gauge 9—71619
Niemi, E.E., Jr. The fluid mechanics of cromolyn sodium inhalers used for asthma prevention 9—79587
Nieminen, M., Torsti, J.J., Valtonen, E. Scaling in multiplicity distributions of heavy, black and grey prongs in nuclear emulsions 9—49555
Nieminen, M., Trosti, J.J., Valtonen, E. Monte Carlo study of evaporation neutrons in paraffin and lead layers 9—89346
Nieminen, R. *see* Hautojarvi, P. 9—55952
Nieminen, R.M., Laakkonen, J., Hautojarvi, P., Vehanen, A. Temperature dependence of positron trapping at voids in metals 9—61464
Nieminen, R.M., Manninen, M. Spherical solid model for muon screening in metals 9—56654
Nieminen, R.M., Manninen, M.J. Positrons in imperfect solids: theory 9—99978
Nieminen, R.M. *see* Lantto, L.J. 9—54047
Nieminen, R.M. *see* Manninen, M. 9—78601
Nieminen, R.M. *see* Salomaa, M.M. 9—99654
Nien Dak Sze, Ko, M.K.W. Is CS_2 a precursor for atmospheric COS? 9—53490
Nien Dak Sze, Ko, M.K.W. CS_2 and COS in the stratospheric sulphur budget 9—84423
Nien-Chih Wei, Banerjee, M.K., Cammarata, J.B. Pion-nucleon interaction in P wave 9—85334
Nienaber, P. *see* Bross, A. 9—89517
Nienaber, P. *see* Coteus, P. 9—63468
Nienhuis, B., Berker, A.N., Riedel, E.K., Schick, M. First- and second-order phase transitions in Potts models: renormalization-group solution 9—99706
Nienhuis, G. Time and frequency dependence of nearly resonant light scattered from collisionally perturbed atoms 9—72281
Niepce, J.C. *see* Dumas, P. 9—57219
Nier, A.O. *see* Kayser, D.C. 9—58274
Nier, A.O. *see* Potter, W.E. 9—53592
Nier, A.O. *see* Torr, D.G. 9—58141, 9—96856
Nierlich, M., Williams, C.E., Boue, F., Cotton, J.P., Daoud, M., Farnoux, B., Jannink, G., Picot, C., Moan, M., Wolff, C., Rinaudo, M., de Gennes, P.G. Small angle neutron scattering by semi-dilute solutions of polyelectrolyte 9—77484
Nierlich, M. *see* Boue, F. 9—50956
Niesel, K. *see* Mayer, N. 9—52553
Niesner, R. *see* Tschurlovits, M. 9—76269
Niessen, H.F. *see* Brockmann, H. 9—67935
Niessen, W.von *see* von Niessen, W.
Niessen, W.Von *see* Von Niessen, W.
Niesulowska, Cz. Testing the chemical resistance to water of the sheet glass by the determination of its surface electrical conductivity 9—70271
Nieto, J.-L. Optically variable quasars and bright galaxies 9—58438
Nieto, J.-L. *see* De Vaucouleurs, G. 9—71110, 9—92848
Nieto, M.M., Simmons, L.M., Jr. Eigenstates, coherent states, and uncertainty products for the Morse oscillator 9—59434
Nieto-vesperinas, M. *see* Garcia, N. 9—98281
Nieto-Vesperinas, M. *see* Ross, G. 9—50238
Nieuwenhuizen, P. *see* Berends, F.A. 9—75687
Nieuwenhuizen, P.van *see* van Nieuwenhuizen, P.
Nieuwenhuizen, P.Van *see* Van Nieuwenhuizen, P.
Nieuwenhuys, C.J. *see* Verbeek, B.H. 9—61170
Nieuwenhuys, G.J., Verbeek, B.H., Mydosh, J.A. Towards a uniform magnetic phase diagram for magnetic alloys with mixed types of order 9—78368
Nieuwenhuys, G.J. *see* Smit, J.J. 9—61143, 9—78426
Nieuwenhuys, G.J. *see* Verbeck, B.H. 9—61169
Nieuwenhuysen, P. *see* Ceuterick, F. 9—53058
Nieuwstadt, F.T.M., van Ulden, A.P. A numerical study on the vertical dispersion of passive contaminants from a continuous source in the atmospheric surface layer 9—62547
Nieuwstadt, F.T.M. *see* van Dop, H. 9—100914
Nieves, J.F. Forward-backward asymmetry in $e^-+e^+\to q+\bar{q}\to\pi,K,D,...,+X$ 9—71759
Niewisch, J. *see* Bertini, R. 9—63623, 9—85565
Niewisch, J. *see* Faessler, M.A. 9—93664
Niez, J.J. *see* Lajzerowicz, J. 9—51805, 9—78639
Niftiev, G.N. *see* Tagiev, B.G. 9—51517
Nigaguna, B.T., Shenoy, S.U. Optimum tube pitch in solar collectors 9—62083
Nigam, A.K., Majumdar, A.K. Anomalous magnetoresistance in AuFe spin glass 9—78077
Nigam, A.N., Mathur, R.B. The electric quadrupole transition $L_2M_3(\beta_{17})$ in the X-ray emission spectrum of erbium 9—98018
Nigam, A.N., Soni, S.N. Origin of hypersatellites in L-X-ray emission spectrum of silver 9—89629
Nigam, A.N. *see* Rani, R. 9—65559
Nigam, K.D.P. *see* Saxena, A.K. 9—68806
Nigam, K.K., Singh, R.K., Upadhyay, S.N., Mishra, P., Pandey, G.N., Shukla, S.D. Short contact dissolution in falling film 9—73328
Nigam, M. *see* Dev Verma, S. 9—83812
Nigam, S.K., Singh, R.L., Agrawal, S.P. Interplanetary magnetic field sector structure and its effect on cosmic ray diurnal variation 9—84622
Nigam, S.K. *see* Sharma, R.M. 9—84607
Nigavekar, A.S. *see* Gupta, M.P. 9—78585
Nighan, W.L. *see* Brown, R.T. 9—98381
Nigmanov, T. *see* Gorlich, L. 9—71766
Nigmatulin, B.I., Soplenkov, K.I. Elementary theory of critical (maximum) flow rate of two-phase mixture in channels of variable cross section 9—55410
Nigmatulin, R.I. *see* Gubaidullin, A.A. 9—68792
Nigmatullin, N.R. *see* Gryaev, V.M. 9—97877
Nigmetova, R.Sh. *see* Kozin, L.F. 9—51544
Nigogosian, L. *see* Baxter, A. 9—93129
Nigon, V. *see* Esteve, J. 9—79606
Nigrey, P.J., Katz, H. Crystal data for naphthaceno[5,6-cd]-1,2-dithiole-7,7,8,8-tetracyanoquinodimethane (DTT-TCNQ) 9—51094
Nigrey, P.J. *see* Moses, D. 9—86864
Nigro, F.E.B., Strong, A.B., Alpay, S.A. A numerical study of the laminar viscous incompressible flow through a pipe orifice 9—98807
Nigro, G.N. *see* Streeter, L.A. 9—81651
Nigro, M. *see* Esposito, B. 9—63489
Nihei, H., Morikawa, J., Yamazaki, K., Inoue, N., Uchida, T. 200 kV Blumlein transmission line for ultrafast toroidal theta pinch 9—55521
Nihei, I. *see* Funada, T. 9—81030
Nihoul-Boutang, G. *see* Boulesteix, C. 9—66596
Nihoul-Boutang, G. *see* Jouanin, C. 9—55621
Nii, J., Wakihara, M., Taniguchi, M. Phase relations in the $V_xW_{1-x}O_2$ system ($0.2\leq x\leq 0.75$) 9—100122
Nii, K. *see* Yoshihara, K. 9—61591, 9—61592
Nii, N. *see* Kitajima, T. 9—62702
Niide, Y. *see* Sasada, Y. 9—63988
Niihara, K. Slip systems and plastic deformation of silicon carbide single crystals at high temperatures 9—87683
Niihara, K., Hirai, T. Growth, morphology and slip system of α-Si_3N_4 single crystal 9—83112
Niihara, K. *see* Aiyama, T. 9—87013
Niihara, K. *see* Hirai, T. 9—69303, 9—100247

Niiler, A., Birkmire, R. Use of the $^{56}Fe(p,n)^{56}Co$ reaction in erosive wear measurements 9—57166

Niimi, H. *see* Sato, M. 9—83833

Niimori, K., Nakagawa, Y., Hukuda, K. ESR study of ferroelastic phase transition in $KH_3(SeO_3)_3$ doped with Cr^{3+} 9—65716

Niinikoski, T.O. Recent developments in polarized targets at CERN 9—63835

Niinikoski, T.O., Hartmann, O., Karlsson, E., Norlin, L.-O., Pernestal, K., Kehr, K.W., Richter, D., Walker, E., Schulze, K. Muon diffusion in niobium in the presence of traps 9—56684

Niinikoski, T.O., Rieubland, J.-M. Dynamic nuclear polarization in irradiated ammonia below 0.5K 9—78569

Niinikoski, T.O. *see* Borghini, M. 9—91331

Niinikoski, T.O. *see* Court, G.R. 9—63832

Niinikoski, T.O. *see* Hartmann, O. 9—56659

Niinisto, L. *see* Leskela, M. 9—64957

Niitsu, Y., Miwa, J., Makino, S., Kido, K. A method of the use of linguistic information for automatic spoken word recognition 9—55274

Niizeki, H., Kageyama, S., Tamura, T., Matumoto, Z. Decay scheme of 50 sec ^{103}Tc 9—85413

Niizeki, H., Noma, M., Kato, T., Iizawa, T., Yamakoshi, K., Shimamura, T., Nogami, K. Search for extraterrestrial matter in fresh snow 9—84302

Niizeki, K. An expression for the integrated density of states of a liquid metal in Roth's effective-medium approximation. A generalisation of Friedel's formula 9—99467

Niizeki, K. Numerical calculation of the electrical conductivity of the Anderson model in two dimensions 9—99522

Nijs, M.P.M.den *see* den Nijs, M.P.M.

Nikandrov, V.V., Krasnovskii, A.A. Phosphorescence of reduced nicotinamide co-enzymes 9—79471

Nikfarjam, D.K. *see* Mazarakis, M.G. 9—72133

Niki, H., Izawa, Y., Otani, H., Yamanaka, C. Uranium isotope separation by two-step photoionization 9—49865

Niki, H., Maker, P., Savage, C., Breitenbach, L. IR Fourier-transform spectroscopic studies of atmospheric reactions 9—66785

Niki, H. *see* Su, F. 9—93994

Niki, H. *see* Sugai, H. 9—64870

Niki, K. *see* Kono, M. 9—57826, 9—66586

Nikiforchin, G.N. *see* Romaniv, O.N. 9—52434

Nikiforov, A.P. Measurement of the scattering index from a rough surface in a high-speed molecular flow 9—94653

Nikiforov, A.V. *see* Serdykin, F.V. 9—96081

Nikiforov, K.G., Emiryan, L.M., Gurevich, A.G., Radautsan, S.I., Tezlevan, V.E. Ferromagnetic resonance in silver-doped $CdCr_2S_4$ crystals 9—69730

Nikiforov, N.A. *see* Bayukov, Y.D. 9—85475, 9—93623

Nikiforov, S.V. *see* Slutskovskii, A.I. 9—74984

Nikiforov, V.A. *see* Atamanov, V.M. 9—55548, 9—99006

Nikiforov, V.F. *see* Glasunova, V.I. 9—89024

Nikiforova, G.G. *see* Storozhuk, I.P. 9—55915

Nikiforova, N.K. On the use of laser light sources in photoelectric aerosol counters 9—100969

Nikiforova, T.V. *see* Ionov, A.M. 9—70012

Nikiforova, V.P. *see* Zaletaev, N.B. 9—51663

Nikiforova, V.V. *see* Bunin, K.P. 9—52208

Nikin, B. *see* Maksimovic, R. 9—82734

Nikishin, E.L., Chalykh, A.E., Avgonov, A., Kuleznev, V.N., Morozova, L.V., Neverov, A.N. Permeability and diffusion of gases and solvents in two-phase rubber mixtures 9—95217

Nikishin, V.E. *see* Kolesnikov, N.P. 9—61673

Nikishina, L.M. *see* Virgil'ev, Yu.S. 9—95053

Nikishov, A.I. Transferred momentum dependence of the cross section for e^+e^- pair production by muons on nuclei 9—54432

Nikitaev, P.I. *see* Aksenov, V.G. 9—54224

Nikitchenko, V.M. *see* Dzubenko, M.I. 9—72563

Nikitenko, A.F. Verification of the hypothesis of the existence of a thermal force surface of the creep process 9—87695

Nikitenko, V.I. *see* Dedukh, L.M. 9—61196

Nikitin, A.G. *see* Fushchich, V.I. 9—58909

Nikitin, A.I. *see* Katranovskii, V.A. 9—63316

Nikitin, A.V. *see* Abdivaliev, A. 9—67569, 9—67570

Nikitin, A.V. *see* Abdivaliev, L. 9—93568

Nikitin, B.G. *see* Pan, V.M. 9—60463, 9—78076

Nikitin, B.I. Flow rate measurement of conductive liquids by means of electromagnetic velocimeters 9—68859

Nikitin, E.E. *see* Havemann, U. 9—89755

Nikitin, E.P. *see* Dianov, E.M. 9—50421, 9—94356

Nikitin, E.P. *see* Gur'yanov, A.N. 9—64345

Nikitin, G.S., Zuev, I.G. A weakening factor in the dynamics of fluidity range at high temperatures 9—78990

Nikitin, I.V. *see* Vokhnik, O.M. 9—50351

Nikitin, K.V. *see* Sheftal', R.N. 9—78905

Nikitin, L.V., Yunga, S.L. Methods of theoretical determination of the tectonic strains and stresses in seismically active regions 9—79744

Nikitin, L.V. *see* Krinchik, G.S. 9—69858

Nikitin, M.A., Serebryakov, B.Ye. Computation of the parameters of the mid-latitude upper ionosphere during high solar activity 9—62649

Nikitin, M.A. *see* Zakharov, V.Ye. 9—62655

Nikitin, M.M. *see* Didenko, A.N. 9—86121

Nikitin, M.M. *see* Wenck, H.D. 9—98136

Nikitin, N.V. *see* Dunskii, V.F. 9—88408

Nikitin, P.N., Murav'eva, E.M., Rudnev, N.F., Elyutina, G.I. Temper brittleness of steel 30Kh2N2SMK5 9—96129

Nikitin, S.A. Magnetic and electronic phase transitions in rare-earth alloys 9—87254

Nikitin, S.A. Magnetic ordering temperatures and the indirect exchange integral in the rare-earth terbium-yttrium and terbium-gadolinium alloys 9—95590

Nikitin, S.A., Andreenko, A.S., Arutyunyan, N.P. Spin reorientation in a magnetic field parallel to the difficult magnetization axis in terbium-gadolinium alloys 9—99714

Nikitin, S.A., Andreenko, A.S., Zvezdin, A.K., Popkov, A.F. Orientation phase transitions in the vicinity of the Curie point in terbium-gadolinium alloys 9—87261

Nikitin, S.A., Nakvi, S.M. Magnetic properties of dysprosium-yttrium alloys 9—69673

Nikitin, S.K. Application of the method of invariant submersion for solution of axisymmetric problem of the elasticity theory 9—97200

Nikitin, V.A. Experimental investigations of binary reactions 9—63530

Nikitin, V.A. *see* Avdeichikov, V.V. 9—97711

Nikitin, V.F. *see* Barashenkov, V.S. 9—63686

Nikitin, V.I., Kiseleva, E.V., Gvozd', A.M. Influence of magnetite films and constituents of an aqueous environment on the corrosion-fatigue strength of steels 9—52433

Nikitin, V.V. *see* Gubin, M.A. 9—89934

Nikitin, V.V. *see* Velichanskii, V.L. 9—68396

Nikitin, Yu.P. Analytical determination of the removal error during the programmed asphericing of optical surfaces using a small tool 9—72727

Nikitin, Yu.P. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821

Nikitin, Yu.P. *see* Golubkov, Yu.A. 9—67617

Nikitin, Yu.P. *see* Volkov, G.G. 9—97566

Nikitin, Yu.P. *see* Voloshin, S.A. 9—49541, 9—93670

Nikitin, Yu.S. *see* Artemova, A.A. 9—52857

Nikitin, Yu.V. *see* Komnik, Yu.F. 9—65571

Nikitina, N.I. *see* Rokhlin, L.L. 9—96001

Nikitini, Yu.P. *see* Volkov, G.G. 9—58921

Nikitinskaya, T.I. *see* Ershov, N.N. 9—99933

Nikitinskaya, T.I. *see* Zakharov, G.M. 9—65958, 9—69555

Niklasson, G.A., Granqvist, C.G. Selective absorption of solar energy by ultrafine metal particles 9—62035

Niklasson, G.A., Granqvist, C.G. Ultrafine nickel particles for photothermal conversion of solar energy 9—100538

Niklewski, T. *see* Kucharczyk, D. 9—86747

Nikobadze, G.I. *see* Birulev, V.K. 9—67547

Nikodemova, D. *see* Prouza, Z. 9—68113

Nikogosyan, A.G. *see* Arutyunyan, G.A. 9—88590

Nikogosyan, D.N. *see* Kryukov, P.G. 9—64056, 9—64283

Nikolaenko, A.A. *see* Kornienko, L.A. 9—52239

Nikolaev, A.V., Koctyukov, V.A., Semchenko, D.P. Electrochemical treatment of magnetic alloy YuNDK-24 by a programmed pulse current 9—100282

Nikolaev, B.I. *see* Borman, V.D. 9—77329, 9—94765

Nikolaev, B.P. *see* Bezrukov, O.F. 9—95197

Nikolaev, E.N. *see* Semenov, G.A. 9—96354

Nikolaev, E.N. *see* Stolyarova, V.L. 9—65180

Nikolaev, G.A. *see* Shcherbinskii, V.G. 9—79212

Nikolaev, G.I., Nemets, A.M. State of development of optical spectral methods of investigation of metal vaporization. Survey 9—66381

Nikolaev, I.N., Potapov, V.P., Bezotosnyi, I.Yu., Mar'in, V.P. Hyperfine magnetic fields at ^{119}Sn and ^{57}Fe nuclei in ferromagnetic Rh_2FeSn and Rh_2CoSn alloys under pressure 9—99812

Nikolaev, I.N., Potapov, V.P., Lyubutin, I.S., Bezotosnyi, I.Yu. Influence of pressure on hyperfine magnetic fields at ^{119}Sn and ^{57}Fe nuclei in manganese ferrite 9—99811

Nikolaev, I.V. Characteristics of wide-line two-dimensional profiling systems and a two-dimensional version of the common depth point technique 9—62615

Nikolaev, M.I. *see* Stafeev, V.I. 9—51662, 9—51664

Nikolaev, M.V. *see* Gnatovskii, A.V. 9—50327, 9—89950

Nikolaev, N.Ya. *see* Kardashev, N.S. 9—62862

Nikolaev, R.M. *see* Vlasenko, S.I. 9—55583

Nikolaev, V.A., Aleksandrov, B.M., Vedeneev, V.S., Krivokhatskii, A.S. Automatic spark counter for tracks 9—97941

Nikolaev, V.A., Utkin, Yu.A. High-temperature irradiation embrittlement of austenitic steel with high content of low-melting additives 9—73218

Nikolaev, V.A. *see* Antonov, A.N. 9—75959

Nikolaev, V.D. *see* Dolgopolov, Yu.V. 9—59769

Nikolaev, V.D. *see* Kormer, S.B. 9—98352

Nikolaev, V.I. *see* Gordienko, V.A. 9—56599

Nikolaev, V.L. *see* Gariev, A.M. 9—57748

Nikolaev, V.M. *see* Bobodzhanov, I.B. 9—84491

Nikolaev, V.N. *see* Vasyuta, B.M. 9—75624

Nikolaev, V.S., Senashenko, V.S., Sidorovich, V.A., Shafer, V.Yu. Ionization of hydrogen and helium by fast atomic particles with one or two electrons 9—54960

Nikolaev, Yu. *see* Vasiliev, A.A. 9—66296

Nikolaev, Yu.A., Topchiyan, M.E., Ul'yanitskii, V.Yu. Experimental investigation and calculation of triple configurations of spin detonation 9—100379

Nikolaeva, A.M. *see* Kolesnikov, N.P. 9—61673

Nikolaeva, G.I. *see* Kononenko, A.S. 9—52397

Nikolaeva, N.A. *see* Vorob'eva, L.M. 9—88926

Nikolaeva, N.S. *see* Lutsenko, V.N. 9—84587

Nikolaeva, N.S. *see* Tozoni, O.V. 9—59616

Nikolaeve, L.E. *see* Tarkhova, T.N. 9—51097

Nikolaevskii, V.N. *see* Vedernikov, V.V. 9—94699

Nikolaov, V.A. *see* Belyaeva, O.V. 9—59863

Nikolayev, L.I. *see* Burenin, A.V. 9—59443

Nikolenko, D.M. *see* Baturin, P.I. 9—97473

Nikolenko, V.G., Popov, A.B., Samosvat, G.S. Search for relative anisotropy of the velocity of light and neutrons 9—49194

Nikolenko, V.G., Popov, A.B., Samosvat, G.S., Hwan Cher Gu Searches for superdense nuclei in the active zone of a reactor 9—75824

Nikolev, A.L. *see* Arakelov, A.G. 9—82256

Nikolic, P.M. The effect of the process of consolidation on electrooptical characteristics of semiconducting cadmium oxide 9—56945

Nikolic, P.M., Bugarinovic, Dj., Rakic, M., Vujatovic, S.S. Analysis of crystallographic and some optical properties of single crystal $InSb_{1-x}As_x$ and $InSb_{1-x-y}As_xBi_y$ alloys 9—56752

Nikolic, P.M., Hughes, O.H., Vujatovic, S.S., Rakic, M. Solid solution of $GaS_{1-x}Te_x$ and their crystallography and some optical properties 9—55711

Nikolic, P.M., Mihailovic, P., Dimitrijevic, P. Far infrared transmission spectra of thin layers of GeS 9—56870

Nikolic, P.M., Miljkovic, L.A., Lavrencic, B. Raman spectra analysis of V_2-VI_3 layered semiconductors 9—56776

Nikolic, P.M., Popovic, Z.V. Some optical properties of GeS_2 single crystals 9—51948

Nikolic, P.M., Rakic, M. Far infrared transmission properties of enamel lacquer and the possibility of its use for encapsulation of optical devices 9—55194

Nikolic, P.M., Roys, W.B., Blagojevic, V. Far infrared properties of fluorapatite 9—56778

Nikolic, P.M., Stojilkovic, S.M., Dimitrijevic, P., Vujatovic, S.S., Rakic, M. Production crystallographic and optical properties of $A^{II}B^{III}{}_2\,C^{VI}{}_4$ semiconducting materials 9—56777

Nikolic, P.M., Stojilkovic, S.M., Petrovic, Z., Dimitrijevic, P. Analysis of ionic bonds in semiconducting $A^{I}B^{III}C^{VI}{}_2$ 9—55695

Nikolic, P.M. *see* Popovic, Z.V. 9—56775

Nikolic, P.M. *see* Vujatovic, S.S. 9—52109

Nikolic, Z. *see* Uskokovic, D. 9—74117

Nikolin, B.I., Makogon, Yu.N. ε'-martensite in low carbon iron-manganese alloys containing copper 9—87667

Nikolin, B.I., Shevchenko, N.N. Effect of aging on the martensitic transformation in Co-Ti alloys 9—91649

Nikolopoulos, P., Schulz, B. Density thermal expansion of stainless steel and interfacial properties of UO_2-stainless steel above 1690K 9—65223

Nikolov, A.V. *see* Ivanov, M.I. 9—63389

Nikolov, B.A. On the solution of the generalized probability equation of Schrodinger 9—76568

Nikolov, I., Nikolova, V., Vitanov, T., Svata, M. The effect of method of preparation on the catalytic activity of tungsten carbide 9—100500

Nikolov, I., Svata, M., Grigorov, L., Vitanov, T., Zabransky, Z. Influence of composition on the activity of tungsten carbide gas diffusion hydrogen electrodes 9—52925

Nikolov, N.S. *see* Efremov, Y.N. 9—84797

Nikolov, S. *see* Kozhukharov, V. 9—90562

Nikolov, S.M. *see* Derzhanski, A.I. 9—61239

Nikolova, B.T. *see* Minchev, P.M. 9—77278

Nikolova, L.P. *see* Zdanov, V.G. 9—98453

Nikolova, V. *see* Nikolov, I. 9—100500

Nikolskaya, L.V., Terekhova, V.M., Samoilovich, M.I. On the origin of natural sapphire color 9—70794

Nikol'skaya, M.P. *see* Kopylova, E.A. 9—95744

Nikolskaya, N.A. On instability of a plane solution of the problem of tension of a plate with internal crack 9—50616

Nikol'skaya, N.M. *see* Aseikin, V.S. 9—80162

Nikol'skaya, S.B. Laminar motion of liquid in rotating channels 9—68717

Nikol'skaya, T.I. *see* Fridlyander, I-N-. 9—52135

Nikol'skii, A.P. *see* Kochmola, N.M. 9—52823

Nikolskii, B.A. *see* Grebinnik, V.G. 9—87369
Nikol'skii, B.A. *see* Gurevich, I.I. 9—91332
Nikol'skii, S.I. *see* Apshev, S.Zh. 9—80165
Nikol'skii, S.I. *see* Aseikin, V.S. 9—80162
Nikol'skii, S.N. *see* Anufriev, V.A. 9—97709
Nikol'skii, V.V., Lavrova, T.I. Decomposition method for problems on the propagation of radiation in nonlinear media 9—84971
Nikol'skiy, V.V., Lavrova, T.I. The method of minimum autonomous blocks and its application to waveguide diffraction problems 9—68362
Nikolsky, B.A. *see* Grebinnik, V.G. 9—56667, 9—56694
Nikolsky, B.A. *see* Gurevich, I.I. 9—56676
Nikomarov, E.S. *see* Belinskii, V.A. 9—101232
Nikonov, A.A., Shebalina, T.Yu. Lichenometry and earthquake age determination in central Asia 9—92505
Nikonov, A.A. *see* Osokina, D.N. 9—79778
Nikonov, A.M., Mikhailov, I.G. Structure of melts of borate glasses using graph-theory methods 9—64980
Nikonov, A.M. *see* Bogdanov, V.N. 9—94865
Nikonov, E.N. *see* Vysota, A.M. 9—52788
Nikonov, M.V. *see* Ushanova, N.I. 9—54837
Nikonov, O.V., Berezhnoi, A.A., Nikonova, E.S., Sidorenko, N.B. Electrooptic deflector employing a lead magnesioniobate crystal 9—72690
Nikonov, Yu.A. *see* Aristova, I.M. 9—74200
Nikonov, Yu.A. *see* Kuz'min, S.L. 9—91735
Nikonova, E.S. *see* Nikonov, O.V. 9—72690
Nikonyuk, E.S. *see* Plyatsko, G.V. 9—78168
Nikoshiba, N. *see* Tsubouchi, K. 9—56327
Nikulin, L.V. *see* Lipchin, T.N. 9—96000
Nikulin, M.G. *see* Evtikhov, M.G. 9—79505
Nikulin, N.G. Third harmonic generation near a two-photon resonance in a gas 9—59760
Nikulin, N.M. *see* Zakharov, G.M. 9—65958, 9—69555
Nikulin, V.A. *see* Davydov, I.A. 9—86319
Nikulin, V.K., Potekhina, N.D. Effects of changes in the valence state of atoms of rare-earth elements due to adsorption on transition metals 9—69367
Nikulin, V.K. *see* Bushchina, N.A. 9—68269
Nikulin, V.N. *see* Alkhazov, G.D. 9—80938
Nikushkin, Ye.V. *see* Klebanov, G.I. 9—53056
Nikutowski, B. *see* Lauter, E.A. 9—88523
Nikutta, W.P., Nagel, A., Kampp, W.D., Buhl, S. Pseudostructures in the spectra from position sensitive detectors caused by digital data acquisition 9—76320
Nilan, R.A. *see* Kurobane, I. 9—83856
Nilaratna, B.P., Myers, A. Electron-electron scattering in tungsten 9—60822
Nill, N.B. Contrast effect on imagery power spectra 9—81367
Nilles, H.P. *see* Branco, G.C. 9—54319, 9—85267
Nilsen, J. *see* Marling, J.B. 9—55216
Nilson, K. *see* Erlandsson, B. 9—49600
Nilson, R.H. *see* Yoshimura, H.R. 9—59206
Nilsson, A. *see* Backenstoss, G. 9—68336
Nilsson, A.C. *see* Lyman, J.L. 9—100408
Nilsson, B., Brahme, A. Absorbed dose from secondary electrons in high energy photon beams 9—92380
Nilsson, B.O., Pettersson, L.E. A mechanism for high-frequency electromagnetical field-induced biological damage? 9—74716
Nilsson, B.S. *see* Broglia, R.A. 9—63695
Nilsson, B.S. *see* Van Der Borg, K. 9—89315
Nilsson, G., Andersson, B., Gustafson, G. A phenomenological model for nuclear leptoproduction 9—63660
Nilsson, G. *see* Andersson, B. 9—75808
Nilsson, G. *see* Samskog, P.-O. 9—79265
Nilsson, H.T.G., Sundgren, J.E., Nath, P. On the structure of iron particles in granular iron films 9—65344
Nilsson, H.T.G. *see* Andersson, K.A.B. 9—87020
Nilsson, L., Svanberg, S. Precision determination of the fine-structure splittings of the 5d and 6d states in potassium 9—76396
Nilsson, L. *see* Blomberg, C. 9—66440
Nilsson, L. *see* Gustavsson, M. 9—89636
Nilsson, M. *see* Nulow, B. 9—54430
Nilsson, N.G. *see* Huldt, L. 9—87502
Nilsson, P.O. Optical properties of PdO in the range of 0.5-5.4 eV 9—56813
Nilsson, P.O., Dahlback, N. The relation between UV-photoemission spectra and bulk band structure: application to Cu 9—52080
Nilsson, P.O. *see* Dahlback, N. 9—95902
Nilsson, R. *see* Berndtsson, A. 9—83101
Nilsson, R. *see* Borg, E. 9—53159
Nilsson, S. *see* Fry, J.R. 9—54366
Nilsson, S. *see* Stenbacka, R. 9—63507
Nilsson, T. *see* Lindstrom, O. 9—52930
Nilsson, T.H. Sturdy inexpensive optical table 9—50449
Nimis, M. *see* Bosi, L. 9—73988, 9—99935
Nimmo, B., Pearce, J., Clark, W. An analytical and experimental study of pumped solar water heaters 9—62043
Nimmo, G.A. *see* Anderson, L.W. 9—63853
Nims, J., Lo, A. The Nimslo system 9—89017
Nimtz, G., Schifferdecker, M., Shih, I., Mishra, S. Even-odd effect and chain configuration in p-alkoxybenzal-p'-ethoxyaniline 9—50989
Nimtz, G., Schlicht, B., Dornhaus, R. Long-term Hall-type conversion by vacancy diffusion in $Hg_{1-x}Cd_xTe$ at room temperature 9—65498
Nimtz, G. *see* Dornhaus, R. 9—82610
Nimura, T. *see* Chiba, J. 9—86112, 9—86113
Nimura, T. *see* Kumagal, M. 9—98546
Nimura, T. *see* Saito, F. 9—81635
Nimura, T. *see* Sone, T. 9—81654
Ninagawa, C., Miyazaki, Y., Akao, Y. Mirror reflectivity dependence of transverse-modes in semiconductor lasers 9—68404
Ning, K.S., Faw, R.E., Lester, T.W. Hydrodynamic stability in horizontal fluid layers with uniform volumetric energy sources 9—55356
Ning Hu *see* Hu Ning
Ning Qian *see* Qian Ning
Ning Yang Chen *see* Chen Ning Yang
Ninham, B.W. *see* Chan, D.Y.C. 9—70335, 9—73080
Ninomiya, H. *see* Ogata, A. 9—64891
Ninomiya, H. *see* Suzuki, Y. 9—50191
Ninomiya, M. *see* Nielsen, H.B. 9—89100
Ninomiya, S. *see* Endo, K. 9—72046
Ninomiya, T. Velocities and internal friction of dislocations in III-V compounds 9—82231
Ninomiya, Y. Parabolic mirror made by the rotation method: its fabrication and defects 9—76889
Niordson, F.I. *see* Olhoff, N. 9—81802
Nip, W.S., Paraskevopoulos, G. Rates of OH radical reactions. VI. Reactions with C_3H_6, 1-C_4H_8 and 1-C_5H_{10} at 297K 9—100353
Niple, E. *see* Lin, C.L. 9—100461, 9—100462
Nir, A., Pismen, L.M. The effect of a steady drift on the dispersion of a particle in turbulent fluid 9—90227
Nir, D., Regenstreif, M., Mann, A., Rosner, B., Liran, S. Correlations in the motion of molecular fragments traversing thick foils 9—93894
Nir-El, Y. *see* Engler, G. 9—67718
Nirbhay Singh *see* Bandyopadhyay, S.N. 9—76972
Niri, Yu. *see* Anisovich, V.V. 9—93382
Niroomand-Rad, A., Parker, P.M. Recalculation of sextic centrifugal distortion constants of ozone 9—59430
Niroomand-Rad, A., Parker, P.M. A modified vibration-rotation contact transformation technique 9—72295
Nirschl, E. *see* Aumann, D.C. 9—76256
Nirwal, V.S. *see* Singh, R.K. 9—82292
Nisancioglu, K., Holtan, H. The protection potential of aluminium 9—52427
Nisbet, E.G. *see* Cameron, W.E. 9—92539
Nisbet, J.S. Operational physical models of the ionosphere 9—58172
Nisbet, J.S. *see* Rohrbaugh, R.P. 9—96945
Nisbett, E.G. Factors affecting the notch toughness of carbon and low-alloy steel forgings for pressure vessel and piping applications 9—61730
Nischik, H. *see* Gnobloch, H. 9—92039
Nishanov, V.N. *see* Lozovik, Yu.E. 9—73643, 9—99496
Nishchenko, M.M. *see* Dekhtyar, I.Ya. 9—60560
Nishchenko, M.M. *see* Pan, V.M. 9—60463
Nishenko, S., McCann, W. Large thrust earthquakes and tsunamis: implications for the development of fore arc basins 9—57905
Nishi, H. *see* Tokita, S. 9—96304
Nishi, H. *see* Yano, M. 9—81430
Nishi, K. *see* Aguirre, C. 9—62699
Nishi, K. *see* Kirihata, H. 9—100029
Nishi, M., Ito, Y. Magnetic structure of $KFeS_2$—a linear chain antiferromagnet and a spin analog of active sites of two iron ferredoxins—by neutron diffraction 9—73688
Nishi, M. *see* Ueda, Y. 9—51838
Nishi, N., Matsui, K., Kinoshita, M., Higuchi, J. Study on the triplet state of triphenylene by microwave induced delayed phosphorescence and T_n—S excitation 9—81233
Nishi, T. *see* Isa, H. 9—84416
Nishi, Y. *see* Wakasugi, S. 9—96119
Nishida, A. Substorm onset in the magnetotail 9—88554
Nishida, A. Possible origin of transient dusk-to-dawn electric field in the nightside magnetosphere 9—96863
Nishida, A., Maezawa, K., Terasawa, T. Energetics of terrestrial and Jovian magnetospheres 9—58201
Nishida, A. *see* Kashihara, Y. 9—55679, 9—56456
Nishida, H., Asano, A., Tsumita, N., Hiroshima, M., Sugita, Y. A new single level masking approach to the fabrication of a magnetic bubble memory chip 9—78486
Nishida, I. *see* Kojima, T. 9—100043
Nishida, K. Cryopump and XHV 9—71468
Nishida, K., Murohashi, H., Yamamoto, T. Interdiffusion in the α phase of an Fe-Sb system 9—73349
Nishida, M. Electronic structure of the (111) and $(\bar{1}\bar{1}\bar{1})$ surfaces of GaAs 9—87137
Nishida, M. Depletion approximation analysis of the differential capacitance-voltage characteristics of an MOS structure with nonuniformly doped semiconductors 9—99625
Nishida, N., Nagamine, K., Hayano, R.S., Uemura, Y.J., Imazato, J., Yamazaki, T., Miyajima, H., Chikazumi, S., Fleming, D.G., Brewer, J.H. Hyperfine fields on the μ^+ in Ni, Cr and FeSi alloys 9—56664
Nishida, N., Nagamine, K., Hayano, R.S., Yamazaki, T., Grynszpan, R.J., Stewart, A.T., Brewer, J.H., Fleming, D.G., Talbot-Besnard, S. Diffusion in positive muons in α-iron crystals 9—56687
Nishida, N. *see* Doyama, M. 9—56704
Nishida, N. *see* Hayano, R.S. 9—56670, 9—56671
Nishida, N. *see* Uemura, Y.J. 9—56669
Nishida, S. *see* Miyagi, M. 9—50370, 9—55217, 9—81523
Nishida, S. *see* Nagano, K. 9—98500
Nishida, S. *see* Ogusu, K. 9—50378
Nishida, T. *see* Nakanishi, T. 9—88167
Nishida, T. *see* Nishikawa, T. 9—56948, 9—96104
Nishigaki, K. Universal plot of the ratio of sound dispersion to attenuation for critical fluids 9—55826
Nishigori, T. On the memory functions in simple classical liquids 9—55626
Nishihara, H. *see* Handa, Y. 9—68450
Nishihara, H. *see* Kronast, B. 9—55108
Nishihara, H. *see* Suhara, T. 9—81542
Nishihara, Y., Katayama, T., Yamaguchi, Y., Ogawa, S., Tsushima, T. Effects of third elements on the magnetic anisotropy of sputtered amorphous GdCo film 9—91260
Nishihara, Y. *see* Ando, K. 9—78119
Nishijima, K., Okawa, M. Renormalization in a symmetry-broken theory 9—93291
Nishijima, M. *see* Akimoto, K. 9—61795
Nishijima, S., Takeuchi, E. Statistical fatigue properties of SM50A steel plates for welded structures 9—96146
Nishijima, S. *see* Shiota, S. 9—82707
Nishikawa, H., Ebisu, H., Mikuriya, N., Yokoyama, M. Dislocation etch pits on the (0001) surface 9—65091
Nishikawa, H., Yamada, S., Yoshizaki, K., Watari, H. ^{31}P-NMR study on perfused ventral nerve cords of crayfish 9—79475
Nishikawa, K., Tohji, K., Shima, M., Murata, Y. The temperature dependence of the liquid structure of carbon tetrachloride 9—77478
Nishikawa, K. *see* Dake, S. 9—62700
Nishikawa, K. *see* Kitajima, T. 9—62702
Nishikawa, K. *see* Yamamoto, Y. 9—62701
Nishikawa, M. *see* Yamaguchi, Y. 9—87136
Nishikawa, O., Yasuoka, M. FIM observation of Ga(3×3) superstructure on W and Mo(011) 9—99425
Nishikawa, S., Nagata, K. Aging and reversion phenomena of Cu-Co alloy 9—91718
Nishikawa, T., Nishida, T., Goto, Y. Polycrystalline β-alumina with preferred orientated grains prepared by topotaxial reaction of gibbsite and sodium carbonate 9—56948
Nishikawa, T., Nishida, T., Okamoto, Y., Asano, K. Diffusional creep of polycrystalline Al_2O_3 doped with MgO [and white sapphire] 9—96104
Nishimaki, M. *see* Yoshikawa, A. 9—82667
Nishimatsu, Y., Matsuki, K. The failure process of rock under compression from the point of view of fracture mechanics 9—57915
Nishimori, H. Transition point of the random Ising model with bond dilution 9—93060
Nishimori, K. *see* Tokutaka, H. 9—56892
Nishimoto, K. *see* Ikawa, H. 9—52468
Nishimoto, K. *see* Kikuchi, T. 9—64125
Nishimoto, K. *see* Osamura, Y. 9—59361
Nishimoto, S. *see* Sogami, I. 9—97576
Nishimoto, T. Global dispersion relation for density waves in a certain simplified model of a disk shaped galaxy 9—62916
Nishimura, A.M. *see* Power, R.K. 9—88992
Nishimura, H. *see* Ishimaru, H. 9—72078
Nishimura, H. *see* Kato, K. 9—54788
Nishimura, H. *see* Yamanaka, C. 9—82070
Nishimura, J., Fujii, M., Taira, T., Kobayashi, T., Aizu, H., Hiraiwa, N., Niu, K., Lord, J., Koss, T., Golden, R. High energy primary electron spectrum observed by the emulsion chamber 9—80153
Nishimura, J., Hirosawa, H., Ohta, S., Akiyama, H., Fujii, M., Yamagami, T., Koma, Y., Okabe, Y., Matsuzaka, Y., Takanari, S. Long duration flight (patrol balloon) 9—80218
Nishimura, K., Takeuchi, Y., Hashimoto, T. Monte Carlo simulation of time evolution in the ordering process in f.c.c. A_3B alloy 9—86869
Nishimura, K. *see* Hashimoto, T. 9—51257
Nishimura, K. *see* Suzuki, N. 9—79423
Nishimura, M. *see* Koshigiri, K. 9—54409
Nishimura, M. *see* Murakami, Y. 9—57559
Nishimura, M. *see* Okuwa, T. 9—99275
Nishimura, S. Information retrieval system for the bibliographic star index 9—101086
Nishimura, T. *see* Kataoka, T. 9—77036
Nishimura, T. *see* Niwa, Y. 9—54998
Nishimura, Y. *see* Tsuji, M. 9—68251
Nishina, K., Morishima, N., Yamada, S., Shiroya, S. Recent researches in coupled-core kinetics 9—63733

Nishina, Y. *see* Goto, T. 9—61381, 9—87448
Nishina, Y. *see* Kuroda, N. 9—61382, 9—65154
Nishina, Y. *see* Saito, S. 9—56002
Nishina, Y. *see* Sasaki, Y. 9—61345
Nishinaga, T. *see* Pak, K. 9—95286, 9—100275
Nishine, S. *see* Igaki, K. 9—73624, 9—74139
Nishino, M. *see* Iwai, A. 9—100981
Nishino, M. *see* Watanabe, K. 9—61768
Nishino, T. *see* Sasai, Y. 9—87058
Nishio, I. *see* Wada, A. 9—60086
Nishio, M., Tsuru, K., Ogawa, H. Chemical vapor growth of ZnTe on GaAs by the closed-tube method 9—99449
Nishioka, M. *see* Sada, E. 9—64741
Nishioka, N.S. *see* Woody, D.P. 9—71161
Nishioka, T. *see* Yagawa, G. 9—55341
Nishisaka, T. Endoscope for holographic diagnosis 9—96645
Nishisaka, T. *see* Imachi, K. 9—84018
Nishitani, R. *see* Aono, M. 9—99403
Nishitani, R. *see* Iwasaki, H. 9—100274
Nishitani, T. Hadronic J/ψ and charmed particle production and correlating quark rearrangement model 9—54320
Nishitani, T. Experimental stress analysis for process of nonsteady inelastic deformation by photoviscoplasticity 9—94563
Nishitani, Y. *see* Akita, K. 9—61519
Nishitarumizu, T. *see* Maeda, M. 9—50071
Nishitsuji, K. *see* Asami, S. 9—91654
Nishiura, K. *see* Mitamura, Y. 9—84021
Nishiura, K. *see* Onuma, T. 9—96708
Nishiwada, K. On weak evolution operators with constant coefficients and spreading of wave packets 9—85004
Nishiwaki, T. *see* Sakata, M. 9—90609
Nishiya, T. *see* Tabushi, I. 9—92052
Nishiyama, H. *see* Feller, P.A. 9—70647
Nishiyama, I., Kondow, T., Kuchitsu, K. Formation of $CN(B^2\Sigma)$ by the electron impact dissociation of HCN. Measurements near threshold 9—54975
Nishizawa, J., Oyama, Y., Tadano, H., Inokuchi, K., Okuno, Y. Observations of defects in LPE GaAs revealed by new chemical etchant 9—95284
Nishizawa, J. *see* Nonomura, Y. 9—60651
Nishizawa, K. *see* Sato, C. 9—92293
Nishizawa, T., Hasebe, M., Ko, M. Thermodynamic analysis of solubility and miscibility gap in ferromagnetic alpha iron alloys 9—60508
Nisht, M.I., Sudakov, A.G. The influence of acceleration on separation flow over a disk 9—86443
Nisht, M.I. *see* Belotserkovskiy, S.M. 9—98732
Nisht, M.I. *see* Gritsenko, N.A. 9—64684
Nisida, Y. *see* Shimizu, K. 9—78605
Nisimura, K. *see* Imai, K. 9—97706
Nisiol, B. *see* Baiburina, S.G. 9—80156, 9—80170
Niskanen, J.A. Polarization of the deuteron in the reaction $p+p \rightarrow d+\pi^+$ 9—49535
Niskode, P.M. *see* Hribar, A.E. 9—68520
Nissen, D.A. A study of the anode-electrolyte interface in a thermal battery 9—61965
Nissen, H.-H. *see* Former, W. 9—66398
Nissen, M.J. *see* Bowen, R.W. 9—74672
Nissen, R. *see* Reimers, R. 9—68103
Nissim, L. *see* Janiaud, D. 9—55300
Nissim-Sabat, C. On Grunbaum and retrocausation in classical electrodynamics 9—97174
Nistor, L.C., Nistor, S.V., Teodorescu, V. Localization of uranium ions in synthetically grown CaF_2:U single crystals 9—91580
Nistor, L.C. *see* Teodorescu, V. 9—65077
Nistor, S.V. *see* Nistor, L.C. 9—91580
Nistor, S.V. *see* Teodorescu, V. 9—65077
Nita, P. *see* Cismaru, D. 9—61794
Nitei, N.V. *see* Sharovarov, G.A. 9—59157
Nithianandan, C.K. *see* Jones, B.G. 9—77195
Nitochkin, N.A. *see* Vyskubenko, B.A. 9—64250
Nitoi, Al. *see* Badescu, St. 9—86199
Nitsan, U. *see* Shankland, T.J. 9—79818
Nitsch, J. *see* Heintzmann, H. 9—62736
Nitsche, M., Bose, R. Partially coherent imagery in the presence of spherical aberrations 9—59641
Nitsche, R., Kaufmann, R., Hillenkamp, F., Unsold, E., Vogt, H., Wechsung, R. Mass spectrometric analysis of laser induced microplasmas from organic samples 9—57315
Nitsche, R. *see* Eyer, A. 9—78872
Nitsche, R. *see* Furstenau, N. 9—90429
Nitsche, R. *see* Kuhs, W.F. 9—60300
Nitsche, W. *see* Haberland, C. 9—72892
Nitschie, R. *see* Fridkin, V.M. 9—95447
Nitschke, F. *see* Weiss, M. 9—69345
Nitsovich, V.M. *see* Antonets, S.I. 9—65396
Nitta, A. *see* Kuwabara, K. 9—83306
Nitta, K. *see* Tabata, J. 9—88564
Nitta, M., Haradome, M. CO gas detection by ThO_2-doped SnO_2 9—97372
Nitta, M. *see* Kanefusa, S. 9—56219
Nitta, S., Shimakawa, K., Endo, T., Tsutsumi, Y., Morigaki, K. Optical properties of glow-discharge amorphous silicon films 9—65946
Nitta, Y. *see* Hamakawa, Y. 9—100518
Nittono, O., Yamagishi, H., Nagakura, S. Bragg-case diffraction curves from copper whiskers by the X-ray triple-crystal diffraction method 9—51461
Nittono, O. *see* Koyama, Y. 9—100140
Nittono, O. *see* Yamagishi, H. 9—99230
Nitts, V.V. Interdomain phase transition in hematite single crystal 9—65675
Nitu, R., Vogel, A. On the possibility of establishing a relation of dependence between ν and N_h in the p-nucleus interactions 9—63677
Nitzan, A. *see* Carmeli, B. 9—54914
Nitzan, M., Grinshpan, Y., Goldstein, Y. Field-effect mobility in quantized accumulation layers on ZnO surfaces 9—73509
Nitzan, M. *see* Grinshpan, Y. 9—60909
Nitzsche, L.E. *see* Davidson, E.R. 9—49925
Niu, B.H.C., Bryant, P.J. Notes on photon assisted field ionization 9—56915
Niu, K. Cosmic ray evidences for short-lived particles 9—58993
Niu, K. *see* Fuchi, H. 9—59299, 9—63548, 9—80112, 9—85299
Niu, K. *see* Kawata, S. 9—97471
Niu, K. *see* Nishimura, J. 9—80153
Niu Zhi-Ren, Zhu Chuan-Zhen Preliminary study of the microseisms in relation to earthquakes. II 9—62436
Niv, Y., Hass, M., Zemel, A., Goldring, G. Magnetic moments in calcium isotopes via a surface-interaction experiment 9—85368
Niva, G.D. Periods and amplitudes of TU Cassiopeiae from radial velocities 9—101159
Niwa, F. *see* Morita, T. 9—57499
Niwa, K. *see* Fuchi, H. 9—59299, 9—63548, 9—80112, 9—85299
Niwa, M., Hattori, T., Takahashi, M., Shirai, K., Watanabe, M., Murakami, Y. Design and construction of emissionless infrared diffuse reflectance spectrometer 9—79319
Niwa, N. *see* Yoshida, Y. 9—80228
Niwa, Y., Nishimura, T., Nozoye, H., Tsuchiya, T. Photoelectron-photoion coincidence spectrometer with double field TOF mass analysis 9—54998
Nix, W.D. *see* Burke, M.A. 9—50608
Nix, W.D. *see* Nieh, T.G. 9—66068
Nix, W.D. *see* Pharr, G.M. 9—90668
Nix, W.D. *see* Spingarn, J.R. 9—95074
Nixdorff, K. An application of the differential equations of the sound ray 9—94393
Nixon, D. The transonic integral equation method with curved shock waves 9—68739
Nixon, G.D. *see* Dubach, J.F. 9—94113
Nixon, G.L. *see* Shankland, J.P. 9—89461
Nixon, G.T., Papezik, V.S. Late Precambrian ash-flow tuffs and associated rocks of the Harbour Main Group near Colliers, eastern Newfoundland: chemistry and magmatic affinities 9—84258
Nixon, J.F. *see* Kroto, H.W. 9—93989
Nixon, W.C. *see* Cosslett, V.E. 9—97475
Nixon, W.E., Massey, M.H., Mitchell, J.W. Dislocation generation and displacement in single crystals of a Cu-10.5 at.% Al alloy deformed in bending 9—60368
Niyogi, B.G., De, B.R., Sannigrahi, A.B. A critical study of the Ruedenberg relation in the ab initio calculations of total and orbital SCF energies of atoms and molecules 9—89596
Niyogi, P., Chakraborty, S.K. Iterative computation of transonic shock-free profile flow at zero incidence 9—50750
Nizametdinova, M.A., Kavalyauskas, Yu.F. Reflection spectrum of thallium selenide 9—51984
Nizamov, N., Zakhidov, U., Atakhodzhaev, A.K. Temperature dependence of the electronic spectra of rhodamine C and rhodamine 6G in strong bases 9—85987
Nizamutdinov, N.M. *see* Khasanov, R.A. 9—51845
Niz'ev, V.G. *see* Baranov, V.Yu. 9—94207, 9—94208
Nizhankovskii, V.I. *see* Alekseevskii, N.E. 9—63280
Nizhel'skii, N.A. *see* Polushchenko, O.L. 9—78445
Nizhnaya, S.L., Parilis, E.S., Turaev, N.Yu. Ion scattering by atomic chains on a solid surface 9—52065
Nizhnaya, S.L., Parilis, E.S., Verleger, V.K. Orientational effects in charge state of ions scattered by single crystal 9—52064
Nizhnii, S.V. *see* Gorskaya, N.V. 9—53028
Nizhnik, L.P., Tarasov, V.G. Inverse scattering problem for a single-speed transport equation 9—88895
Nizhnik, S.B. Yield strength of stable and metastable biphase steel in relation to the structure and concentration of phases 9—66127
Nizhnik, S.B. *see* Bastun, V.N. 9—52303
Nizhnik, Yu.V. *see* Dukhin, S.S. 9—96319
Niziol, S. *see* Balanda, M. 9—51780
Nizovskii, V.L. *see* Asinovskii, E.I. 9—89884
Nizovtsev, A.M. Terminology and definition of physical quantities 9—75485
Nizovtseva, A.A. Determination of silicon in steels and phosphorus in irons with the aid of the Spektr SL-12 steeloscope 9—57330
Nizzoli, F. *see* Bortolani, V. 9—78694
Nkemdirim, L.C. A comparison of radiative and actual nocturnal cooling rates over grass and snow 9—79947
Nkoma, J.S. Theory of Brillouin scattering in an absorbing thin film 9—65943
Nkoma, J.S., Rwaboona, S.K. Frequency dependence of some functions associated with surface polaritons 9—78020
Noa, O.V. *see* Plate, N.A. 9—87825
Noack, Ch. *see* Eichler, H.J. 9—64276
Noack, F. *see* Reinhart, K.F. 9—87328
Noack, F. *see* Rollmann, G. 9—90814
Noack, G. *see* Fricke, J. 9—68668, 9—81826
Noack, G. *see* Weiskopf, H. 9—97760
Noad, J.P. *see* Prasad, E. 9—78142
Nobata, K., Kando, M. Characteristics and contraction of oxygen glow discharge 9—90483
Nobbs, J.H., Bower, D.I., Ward, I.M. Comparison of polarized fluorescence with polarized Raman and infrared dichroism measures of orientation in uniaxially drawn poly(ethylene terephthalate) 9—99084
Nobes, M.J. *see* Carter, G. 9—87740
Nobes, M.J. *see* Lewis, G.W. 9—51171
Nobes, M.J. *see* Titov, A.I. 9—73227
Nobile, A., Tosi, M.P. Inhomogeneity effects in the exchange hole for a quasi-one-dimensional chain 9—65397
Nobili, L. *see* Calvani, M. 9—75245
Noble, C.J. *see* Bransden, B.H. 9—59547
Noble, J.E. *see* Johnston, R.P. 9—53287
Noble, J.V. Pseudoscalar-pseudovector equivalence of threshold production and absorption of pions 9—80877
Noble, J.V. S-wave pion-nucleus dynamics in the $\sigma+\omega$ model 9—89245
Noble, M., Butman, B. Low-frequency wind-induced sea level oscillations along the east coast of North America 9—84286
Noble, M. *see* Butman, B. 9—57964
Noble, M.L. Coherent light valve optical modulator 9—72712
Noble, P.R. *see* Fry, J.R. 9—54366
Nobuki, M., Oguchi, A. Influence of hydrostatic pressure on the brittle fracture stress of a quenched steel 9—61727
Nocerino, G., Singer, K.E. The electrical and compositional structure of thin Ni-Cr films 9—77966
Nocerino, G., Singer, K.E. Resistance stabilization of Ni-Cr films by surface oxide formation 9—78214
Noda, A. *see* Hirao, Y. 9—72117
Noda, H., Tashiro, T. Inclusive vector meson production in pp collision and OZI violating mechanism 9—58929
Noda, H. *see* Kinoshita, K. 9—58940
Noda, J. *see* Kasai, T. 9—80593
Noda, K. *see* Akabor, M. 9—85767
Noda, K. *see* Inouye, H. 9—98184
Noda, M., Chow, L., Kao, K.C. Sublinear and superlinear current-voltage characteristics of amorphous $Se_{1-x}Te_x$ films 9—82695
Noda, M. *see* Hoh, S. 9—50918
Noda, N. *see* Toi, K. 9—86565
Noda, S. *see* Uwabe, T. 9—62458
Noda, T., Plege, B., Grewen, J. Shear bands and recrystallization in alpha brass sheet 9—91680
Noda, Y., Shimada, M., Koizumi, M., Kanamaru, F. Magnetic and electrical properties and Mossbauer effect in the solid solution $Fe(Nb_{1-x}W_x)O_4$ $(0 \leq x \leq 1)$ 9—78590
Noda, Y. *see* Mori, M. 9—95156
Noda, Y. *see* Youngblood, R. 9—95100
Noduiman, L. *see* Ferguson, T. 9—63494
Nodwell, R.A. *see* Godfrey, L.A. 9—98920
Noe, D.E. *see* Adkins, C.R. 9—49678
Noe, J.W. *see* Delayen, J.R. 9—67986
Noe, J.W. *see* Geesaman, D.F. 9—67631
Noebels, J.L., Sidman, R.L. Inherited epilepsy: spike-wave and focal motor seizures in the mutant mouse tottering 9—83736
Noel, B.W. *see* Close, D.A. 9—85692
Noel, C. *see* Fayolle, B. 9—99067
Noel, C. *see* Froelich, B. 9—73258
Noel, C. *see* Grochalski, B. 9—52756
Noel, C. *see* Halary, J.L. 9—96361
Noel, C. *see* Lang, M.-C. 9—94863
Noel, F., Contreras, K., Repetur, H. Observations of Uranus made with the Danjon Astrolabe of Santiago, Chile, during 1977 9—58298
Noel, H., Troc, R. Magnetic properties of mixed uranium and 3d element chalcogenides of the MU_8X_{17} type 9—61073
Noel, H. *see* Levet, J.C. 9—60331
Noel, J. Automatic mapping of free water surfaces 9—96771
Noer, R.J. *see* Wolf, E.L. 9—56404, 9—60985
Noerdlinger, P.D. Probabilistic approach to radiative transfer in supersonic flows 9—53712
Noerdlinger, P.D. The relation of the SO galaxies to other types: evidence from association in pairs 9—53901
Noerdlinger, P.D. Binary galaxy statistics. III. Correlations in angular measures, sense of rotation, and type 9—53914
Noether, H.D. Crystallization under extreme temperature and pressure gradients 9—82163
Noffke, J. *see* Fritsche, L. 9—51468

Noga, M. Laser-induced synergetic phenomena in impure semiconductors 9—74021
Noga, M. Laser-induced transmittance oscillations and structural phase transitions in thin films 9—87516
Nogami, K. *see* Niizeki, H. 9—84302
Nogami, Y. *see* Kiang, D. 9—93524
Nogar, N.S., Fisher, M., Jalenak, W. Photoacoustic detection 9—74474
Nogar, N.S. *see* Jalenak, W.A. 9—83491, 9—91974
Noggle, T.S. *see* Appleton, B.R. 9—77658
Nogi, T. *see* Kuraoka, Y. 9—58743, 9—75533
Nogin, N.I. *see* Goman'kov, V.I. 9—65649, 9—99699
Nogin, V.M. *see* Kaplan, G.D. 9—69603
Nogov, O.A. Navigation and control algorithm for the aerodynamic braking arc of spacecraft descent in the Martian atmosphere 9—84629
Noguchi, F., Ueda, Y. Segregation roasting for copper oxide ore 9—52136
Noguchi, H. *see* Mori, C. 9—81129
Noguchi, K. *see* Hayakawa, S. 9—80350
Noguchi, M. *see* Mikami, Y. 9—101071
Noguchi, S., Harao, M., Araki, T. Dynamic characteristics of neural network 9—74630
Noguchi, S. *see* Baba, K. 9—75972
Noguchi, S. *see* Tsuchiya, Y. 9—61462
Noguchi, T. Effect of non-uniform stress distribution on the notch strength of cast iron 9—79090
Noguchi, T., Maehara, H., Soyano, T. Catalogue of the photographic plates taken by the 105 cm Schmidt telescope 9—101090
Noguchi, T., Takase, B., Soyano, T., Koyano, H. Standardised density scale of densitometers for photography photometry 9—101075
Noguchi, T. *see* Fujita, S. 9—56840, 9—91572
Noguchi, T. *see* Ishii, I. 9—65796
Noguchi, T. *see* Maehara, H. 9—101067
Noguchi, T. *see* Sando, M. 9—62066
Noguchi, Y., Tenjin, Y., Sugishita, T. A method for segmenting a clump of cells into cellular characteristic parts using multi spectral information 9—88224
Noguchi, Y. *see* Moriyoshi, Y. 9—65097
Noguchi, Y. *see* Nagai, H. 9—78727
Noguchi, Y. *see* Shimamura, S. 9—96486
Noguera, C., Spanjaard, D., Friedel, J. Dynamic screening of core hole. I. Semiclassical model 9—69445
Nogues, M., Mejai, M., Goldstein, L. Phase relationships and magnetic phase diagram in the system $Mn_{1-x}Cu_xCr_2S_4$ 9—78374
Nohara, N. *see* Murayama, H. 9—93874
Nohara, N. *see* Tanaka, E. 9—66522
Nohda, S. *see* Kohno, K. 9—87706
Noid, D.W., Stine, J.R. Infrared multiphoton dissociation with one and two lasers 9—86015
Noiray, J.C. *see* Laheurte, J.P. 9—51387
Noirhomme, B. *see* Audenaert, M. 9—73606
Nojima, S. Physical property of disordered-GaAs produced by ion implantation 9—77624
Nojiri, Y. *see* Hamagaki, H. 9—51865
Nola, F. *see* Calvert, J. 9—80225
Nolan, D.A. *see* Tick, P.A. 9—95729
Nolan, J.P., Jack, I.R. Design of an articulated support system for physiological laboratory equipment—application to a Ganzfeld ophthalmological stimulator 9—83970
Nolan, P.J. *see* Behbehani, A.H. 9—67621, 9—80896
Nolan, P.J. *see* Rammo, N.R.F. 9—59318
Nolang, B.I. *see* Depmeier, W. 9—52091
Noldeke, G. *see* Arends, J. 9—75971
Nolen, J.A. *see* Miller, P.S. 9—72167
Nolen, J.A., Jr. *see* Miller, P.S. 9—54732
Nolfe, G. *see* Giaquinto, S. 9—96534
Nolfi, F.V., Jr., Scattergood, R.O., Turner, A.P.L. Stress and irradiation induced mass transport 9—60401
Noll, A.M., Woods, J.P., Jr. The use of Picturephone service in a hospital 9—74786
Noll, G., Stieve, H. Interaction of bovine rhodopsin with calcium ions. I. The metarhodopsin I-II reaction and the regeneration of rhodopsin 9—100563
Noll, G., Stieve, H., Winterhager, J. Interaction of bovine rhodopsin with calcium ions. II. Calcium release in bovine rod outer segments upon bleaching 9—100564
Noll, M. *see* Dubochet, J. 9—62182
Noll, R.J. Effect of mid- and high-spatial frequencies on optical performance 9—59789
Noll, S. *see* Roach, F. 9—57446
Nolle, A. Direct and indirect dipole-dipole coupling between ^{111}Cd, ^{113}Cd and ^{125}Te in solid CdTe 9—91305
Nolle, E. *see* Hannakam, L. 9—86106
Nolle, J. *see* Dahmen, H.D. 9—97554
Nollez, G. *see* Mazure, A. 9—82049
Nollmann, C., Burgkhardt, B., Piesch, E. Parameters affecting the overall calibration accuracy in TLD 700 thermoluminescence dosimetry 9—63821
Nolt, I.G. *see* Tokunaga, A.T. 9—84741
Nolte, E., Geschonke, G., Berdermann, K., Kress, M., Schollmeier, W., Shida, Y., Morinaga, H. The Munich heavy ion postaccelerator 9—72004
Nolte, E. *see* Daniel, H. 9—68014
Nolte, G. *see* Volpp, J. 9—63947
Nolte, J.T., Gerassimenko, M., Krieger, A.S., Petrasso, R.D., Svestka, Z. Study of the post-flare loops on 29 July 1973. I. Dynamics of the X-ray loops 9—75193
Nolte, J.T. *see* Petrasso, R.D. 9—75194
Nolte, M.J., de Beer, W.H.J. Caesium pentafluorohydroxoantimonate 9—55707
Nolting, W., Reihl, B. Spin polarized tunneling and mixed spin states in the EuS conduction band 9—52085
Noma, M. *see* Niizeki, H. 9—84302
Nomicos, C.D. *see* Eftaxias, C.A. 9—56265
Nomofilov, E.V., Trevgoda, V.M. Calculation of the temperature field in two-dimensional multiply connected regions of arbitrary shape with arbitrary boundary conditions 9—86317
Nomokonov, P.V. *see* Avdeichikov, V.V. 9—97711
Nomoto, K., Achiba, Y., Kimura, K. He II (304 Å) photoelectron spectrum of N_2O_4 9—59510
Nomoto, K. *see* Katsumata, S. 9—58847, 9—93232
Nomoto, K. *see* Yokoi, K. 9—92663
Nomoto, M. Spatial firing patterns of auditory neuron network modelling by computer simulation 9—74686
Nomoto, S. *see* Matsuno, Y. 9—97867
Nomura, H., Koda, S., Miyahara, Y. On the digital computer method of spectral line analysis 9—83522
Nomura, K., Ishido, Y., Ono, S. A novel thermal engine using metal hydride 9—70458
Nomura, K. *see* Kobayashi, S. 9—56453
Nomura, M. Possible unification of two of the Chung-Wildenthal hamiltonians in the sd-shell 9—85406
Nomura, O. Heat transfer between duct wall element and its holder for semi-hot MHD generator 9—72791
Nomura, S., Kaneta, K., Abe, M. Mossbauer study on $Pb(FeTa)_{1/2}O_3$ 9—51885
Nomura, S., Kuwata, J., Jang, S.J., Cross, L.E., Newnham, R.E. Electrostriction in $Pb(Zn_{1/3}Nb_{2/3})O_3$ 9—87395
Nomura, S. *see* Abe, M. 9—65661
Nomura, S. *see* Gomi, M. 9—61341
Nomura, S. *see* Kuwata, J. 9—82933
Nomura, S. *see* Uchino, K. 9—99831
Nomura, T., Miki, N., Nagai, N. A speech production model with digital filter 9—81661
Nomura, T. *see* Inamura, T. 9—67770
Nomura, T. *see* Kamitsubo, H. 9—54662
Nomura, T. *see* Miki, N. 9—81660
Nomura, T. *see* Oi, T. 9—50146
Nomura, T. *see* Wada, T. 9—54614
Nomura, Y., Nakamura, M. An experimental approach to clinical decision problem in the management of patients with pancreatic disease 9—57793
Nomura, Y. *see* Nakayama, T. 9—86265
Nomura, Y. *see* Okutsu, E. 9—77396
Nonaka, S. *see* Aoyama, T. 9—64329
Nongaillard, B., Rouvaen, J.M., Bridoux, E., Torguet, R., Bruneel, C. Visualization of thick specimens using a reflection acoustic microscope 9—76922
Nonn, G. *see* Bohme, G. 9—50797
Nonomura, Y., Okuno, Y., Nishizawa, J. Surface morphology of GaAs grown by vapor phase epitaxy 9—60651
Noodleman, L., Norman, J.G., Jr. The Xα valence bond theory of weak electronic coupling. Application to the low-lying states of $Mo_2Cl_8^{4-}$ 9—72237
Noodt, T. *see* Belsnes, D. 9—89576
Nooijen, B.van *see* van Nooijen, B.
Noolandi, J., Hong, K.M. Theory of photogeneration and fluorescence quenching 9—65513
Noolandi, J. *see* Friauf, R.J. 9—87860
Noolandi, J. *see* Webb, J.B. 9—99564
Nooman, M.Farid *see* Farid Nooman, M.
Noonan, J.A., Munroe, D.M. What is photoacoustic spectroscopy? 9—89013
Noonan, J.P. *see* Slobodnik, A.J., Jr. 9—68493
Noonan, J.R., Davis, H.L. LEED analysis of the reconstructed Au(110) surface 9—77878
Noonan, J.R. *see* Davis, H.L. 9—73385
Noonan, J.R. *see* Engstrom, H. 9—73914
Noor Mohammad, S. Two new trigonometrical potentials for the bound states of diatomic molecules 9—72383
Noor Mohammad, S. On the screening of impurity ions in semiconductors with spatially variable dielectric constants 9—87062
Noorman, C. *see* Wensink, W.A. 9—59426
Noponen, I., Heikkinen, P., Mehrotra, S. Applicability of seismic reflection sounding in regions of Precambrian geology 9—79743
Nor Aisah, A.A. *see* Blackley, D.C. 9—96034
Norback, D.H. *see* Venkatesh, N. 9—92366
Norbeck, J.M., Stearns, M.B. Calculation of the transferred hyperfine field (volume overlap) contribution on nonmagnetic impurities in Fe and the Heusler alloys 9—78054
Norberg, J.F. Progress in battery development 9—79388
Norberg, R.E. *see* Conradi, M.S. 9—56623, 9—61249
Norberg, R.E. *see* Ringermacher, H.I. 9—51867
Norbury, J.R. *see* Blomquist, A. 9—66735
Norby, J.G. *see* Hansen, O. 9—83704
Norckauer, H. *see* Ingels, F.M. 9—81643
Nordal, P.-E. *see* Kanstad, S.O. 9—61929
Nordberg, M.E., Jr. *see* Nelson, C.A., Jr. 9—63486
Nordblad, P., Lundgren, L., Figueroa, E., Gafvert, U., Beckman, O. Critical behaviour of the magnetic susceptibility of MnF_2 near the Neel point 9—91217
Nordbryhn, A. Enhanced resolution in CCD imagers 9—50414
Norde, H. A modified forward I-V plot for Schottky diodes with high series resistance 9—95491
Norde, H. *see* Tove, P.A. 9—51660
Norden, B., Schipper, P.E. Long-range dispersion-induced circular dichroism (DICD) of electric dipole allowed transitions. A new method for characterising electronic states 9—81196
Norden, B., Tjerneld, F. Linear dichroism as a tool for characterizing strand separation in DNA 9—62188
Norden, B. *see* Albano, C. 9—52796
Norden, B. *see* Garding, L. 9—89658
Norden, B. *see* Johansson, L.B.A. 9—53059
Nordh, L. *see* Koppenaal, K. 9—67072
Nordholm, S. The absorbing boundary method. II. Generalization of the Golden Rule 9—97226
Nordholm, S., Bacskay, G. The absorbing boundary method for the calculation of quantum state decay rates. I. Numerical implementation and verification 9—54004
Nordholm, S. *see* Freasier, B.C. 9—59526
Nordholm, S. *see* Hilton, P.R. 9—81242
Nordin, C.F., Jr. *see* Curtis, W.F. 9—84313
Nordin, J.A., Henkelman, R.M. Measurement of stopping power ratios for 60 MeV positive or negative pions 9—83847
Nordling, C. *see* Alvarez, E. 9—93945, 9—93951
Nordmann, C. *see* Ionescu, V. 9—76261
Nordstrom, E. *see* Bengtsson, G. 9—92346
Nordstrom, R.J. *see* Peterson, J.C. 9—50011
Noreland, T. *see* Alvarez, E. 9—93945, 9—93951
Norelli, F. The calculation of the void fraction by slip ratio correlations: a general method 9—81955
Norem, J. *see* Stacey, W.M., Jr. 9—71967
Norem, J.H. *see* Bussey, P.J. 9—75778
Norenberg, W., Riedel, C. Entrance-channel coherence in dissipative heavy-ion collisions and compound-nucleus formation 9—49639
Norenberg, W. *see* Riedel, C. 9—54454
Norgaard, H. *see* Epstein, R.I. 9—62815
Norgett, M.J. *see* Catlow, C.R.A. 9—100277
Norimatsu, T. *see* Yamanaka, C. 9—82070
Norimoto, Y. *see* Sato, K. 9—80310
Norkunas, V.K. *see* Misyunas, A.A. 9—63945
Norlin, L.O. *see* Borghini, M. 9—91331
Norlin, L.O. *see* Hartmann, O. 9—56696
Norlin, L.-O. *see* Hartmann, O. 9—56659
Norlin, L.-O. *see* Niinikoski, T.O. 9—56684
Norling, J.F. *see* Hauser, C.M. 9—61601
Norman, C.A. *see* Allamandola, L.J. 9—88716
Norman, C.A. *see* Roos, N. 9—75282
Norman, D., Newton, T.H., Stevens, E.A., Wing, S.D., Levin, V. Quantitative aspects of contrast enhancement in cranial computed tomography 9—92360
Norman, E.B. Relative yields of $^{26}Al^g$ and $^{26}Al^m$ from the $^{25}Mg(p,\gamma)$ reaction 9—101058
Norman, E.B. *see* Davids, C.N. 9—54410
Norman, E.C. Plans for development of thorium-based fuels for breeder reactor applications 9—54502
Norman, G.A. *see* Judd, D.J. 9—87065
Norman, G.E. Pseudopotential in statistical thermodynamics 9—85109
Norman, G.E., Valuev, A.A. Electrical conductivity of nonideal plasma 9—64832
Norman, J.E., Jr. *see* Asano, M. 9—92297
Norman, J.G., Jr. *see* Noodleman, L. 9—72237
Norman, J.M. *see* Perry, S.G. 9—58025
Norman, S.R., Payne, D.N., Adams, M.J., Smith, A.M. Fabrication of single-mode fibres exhibiting extremely low polarisation birefringence 9—64318
Normandin, R., Fukui, M., Stegeman, G.I. Analysis of parameteric mixing and harmonic generation of surface acoustic waves 9—50489
Normandin, R., Fukui, M., Stegeman, G.I. Overlap-integral analysis of surface-acoustic-wave harmonic generation 9—55259
Normandin, R., Fukui, M., Stegemen, G.I. Analysis of linear and nonlinear surface acoustic wave growth phenomena 9—56057
Normandin, R., So, V.C-Y., Rowell, N., Stegeman, G.I. Scattering of guided optical beams by surface acoustic waves in thin films 9—98508
Normandin, R., Stegeman, G.I. Surface-wave generation by nonlinear mixing of bulk waves 9—50490
Normandin, R. *see* So, V.C.Y. 9—98509
Normann, R.A., Kolb, H., Hanani, M., Pasino, E., Holub, R. Orientation of horizontal cell axon terminals in the streak of the turtle retina 9—74653

Normann, R.A., Perlman, I. Evaluating sensitivity changing mechanisms in light-adapted photoreceptors 9—79543
Normuradov, F. *see* Baiburina, S.G. 9—80156
Normuradov, Kh. *see* Baiburina, S.G. 9—80170
Noro, T., Sasaki, F., Tatewaki, H. R-matrix study of resonance spectra of the neon atom 9—72421
Norrby, J. *see* Fry, J.R. 9—54366
Norren, D.van *see* van Norren, D.
Norrington, P.H. *see* Moiseiwitsch, B.L. 9—54970
Norris, B., Smith, A.L.S. Compact sealed photopreionized TEA CO_2 laser without heterogeneous catalysis or gas recycling 9—59709
Norris, C.B. Luminescence studies of the 1.36-eV band and the edge emission in melt-grown GaAs:Cu 9—87510
Norris, D.M., Jr. Computer simulation of the Charpy V-notch toughness test 9—70138
Norris, E.K. *see* Leadbetter, A.J. 9—99072
Norris, J., Freeman, K.C. The cyanogen distribution of the giants in 47 Tucanae 9—71025
Norris, K.H. *see* Landa, I. 9—75625
Norris, R.J. *see* Holland, T.J.B. 9—79833
Norris, W.B. *see* Crawford, T.L. 9—83652
Norry, M.J. *see* Hawkesworth, C.J. 9—74873
Norseev, Yu.V. *see* Vylov, Ts. 9—75917
Norsett, S.P. On using the Du Fort Frankel scheme for determination of the velocity profile in turbulent boundary layer along an oscillating wall 9—94600
Norskov, J.K. Electron structure of single and interacting hydrogen impurities in free-electron-like metals 9—95365
Norskov, J.K., Lundqvist, B.I. Secondary-ion emission probability in sputtering 9—87548
Norskov, J.K. *see* Larsen, D.S. 9—99507
Norstrom, H. *see* Ojha, S.M. 9—99458
Norstrom, L.-A. *see* Malm, S. 9—91791
Norte Gomez, F. Integrated leak rate testing in nuclear plants. I. Introduction: nuclear plant containment building 9—54518
Norte Gomez, F. Assurance of the integrity of containment structures in nuclear generating stations 9—93738
North, D.O., Ruester, E.F. Comments on 'Dielectric-waveguide-model properties: a new analysis of the one-dimensional wave equation' [and further comments] 9—81537
North, P. *see* Harvego, E.A. 9—49727
North, R.J. *see* Hartzuiker, J.P. 9—58713
Northby, J.A., Akinci, G. Ion-droplet mobility in cryogenic ^{4}He vapor 9—57308
Northmore, D.P.M., Dvorak, C.A. Contrast sensitivity and acuity of the goldfish 9—62264
Northover, W.R. *see* Pearson, A.D. 9—52763, 9—59850
Northover, W.R. *see* Tynes, A.R. 9—99893
Northrop, D.C. Comments on 'Electrochemical doping of silicon with arsenic' 9—90684
Northrop, D.C. *see* Mottram, J.D. 9—56309
Northrop, T.G., Birmingham, T.J., Schardt, A.W. Anisotropies in the fluxes of Pioneer 10 protons 9—53762
Northrop, T.G. *see* Birmingham, T.J. 9—50850
Northrup, S.H., Hynes, J.T. Short range caging effects for reactions in solution. I. Reaction rate constants and short range caging picture 9—96286
Northrup, S.H., Hynes, J.T. Short range caging effects for reactions in solution. II. Escape probability and time dependent reactivity 9—96287
Norton, A. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Norton, I. *see* Simpson, E.S.W. 9—66608
Norton, J. *see* Bresseleers, C. 9—57161
Norton, J. *see* Rueger, L.J. 9—55099
Norton, N.G. *see* Jenkins, M.L. 9—99251
Norton, P. Electron lifetime and transport in the upper Hubbard band of impurity-doped semiconductors 9—95452
Norton, P.R. Surface structure studies by Rutherford backscattering and LEED 9—82419
Norton, P.R., Davies, J.A., Jackson, D.P., Matsunami, N. A study of the phase transition and relaxation of a Pt(100) surface by MeV ion backscattering and channeling 9—86970
Norton, P.R., Goodale, J.W. Hydrogen on Pt(111) studied by dynamic measurements of the work function 9—77915
Norton, P.R., Goodale, J.W., Selkirk, E.B. Adsorption of CO on Pt(111) studied by photoemission, thermal desorption spectroscopy and high resolution dynamic measurements of work function 9—65322
Norton, P.R., Selkirk, E.B., Goodale, J.W. CO on Pt (111) studied by photoemission and high resolution dynamic measurements of work function 9—77905
Norton, P.R. *see* Bailey, J. 9—59053
Norton, R.B. *see* Noxon, J.F. 9—62635
Norton, S.J. *see* Dietz, D.R. 9—55306
Norum, B. *see* Hynes, M.V. 9—63658
Norum, B. *see* Miska, H. 9—63583
Norusis, M. *see* Kinias, P. 9—66569
Norvaisas, E.Z., Alisauskas, S.I. Transformation matrices between the canonical basis of the group SU_3 and the basis of the supermultiplet model 9—67693
Norwood, L. *see* Clarke, G.M. 9—96035
Nosach, V.Yu. *see* Basov, N.G. 9—89904
Nosach, V.Yu. *see* Katulin, V.A. 9—94227
Nosachev, L.V., Skvortsov, V.V. Probe characteristics in a synthesized magnetoplasma stream 9—77426
Nosaka, A. *see* Ogawa, M. 9—95646
Nosaka, T. *see* Maruyama, T. 9—87687
Nose, H. *see* Oshima, Y. 9—52992
Nose, K. *see* Morita, T. 9—57544
Nose, S. *see* Maki, K. 9—95257
Nose, T., Chu, B. Hydrodynamic and gel modes of a concentrated solution of low molecular weight polystyrene in transdecalin 9—73085
Nosek, M.V., Malyutin, G.V. Phase diagram of Tl-Bi-Hg 9—52166
Nosenzo, L., Reguzzoni, E. Analysis of the electronic structure in Cs halides by reflectance and thermoreflectance studies 9—69855
Nosenzo, L., Reguzzoni, E., Samoggia, G., Guizzetti, G., Pollini, I. Influence of the magnetic transition on the optical properties of $CrBr_3$ 9—56770
Noskin, V.A. *see* Kapshin, Yu.S. 9—67392
Noskov, A.G. *see* Trukhanov, E.M. 9—87015
Noskov, A.M. Recording of luminescence spectra of organic compounds at the temperature of liquid nitrogen 9—67394
Noskova, N.I. *see* Vil'danova, N.F. 9—91708
Noskova, Z.I. *see* Kogan, L.A. 9—70409
Nosov, M.E. *see* Verlin, B.I. 9—57807
Nosov, S.F. Cosmic-ray diffusion in a solar wind deformed by the interstellar medium 9—53680
Nosov, V.B. *see* Kislitskaya, E.A. 9—65883
Nosov, V.G., Kamchatnov, A.M. Relation between the critical spin and angular velocity of a nucleus immediately after backbending 9—75822
Nosova, E.M. *see* Kalinin, E.K. 9—65182
Nosova, G.I., Polyakova, N.A. Influence of ordered phase precipitates on the mechanical properties and character of deformation of single crystals of the ageing alloy Ni-14.4 at.% Mo 9—74155
Nosovitskaya, O.S. *see* Sobolev, V.I. 9—90841
Nossal, R. A theory of quasielastic laser light scattering by polymer gels 9—82986
Nossarzewska-Orlowska, E., Lachowski, A., Borkowicz, J. Silicon epitaxial films of submicrometer thickness 9—95932
Nosseir, A. *see* El-Arabaty, A. 9—97385
Nostrand, F.Van *see* Van Nostrand, F.
Nosu, K., Ishio, H., Hashimoto, K. Multireflection optical multi/demultiplexer using interference filters 9—76821
Nosyrev, O.A. *see* Lokotanov, N.S. 9—71919
Noszticzius, Z. *see* Farkas, H. 9—76941
Notaristefani, F.de *see* de Notaristefani, F.
Notaristefani, F.De *see* De Notaristefani, F.
Notarrigo, S. *see* Faraci, G. 9—81140
Nothdurft, E.E., Luszczynski, K. Temperature of a heated thin metal film in liquid ^{4}He at 0.1K for large values of energy flux 9—55981
Nothe, D. *see* Endres, H. 9—90636
Nothe, D. *see* Keller, H.J. 9—73671
Notin, M., Lefebvre, G., Hertz, J. Solid electrolyte measurement cell using one or two point electrodes in the transition region. II. Application to the determination of the activity of the most oxidizable component of an alloy. The Cu-Ni binary alloys 9—61868
Notin, M. *see* Lefebvre, G. 9—61867
Notis, M.R., Shah, D.M., Young, S.P., Graham, C.D., Jr. Structure and magnetic properties of directionally solidified Bi-MnBi eutectic alloys 9—51815
Notis, M.R., Spriggs, R.M. Emerging areas in hot pressing 9—74113
Notkin, A.B. *see* Kleshchev, A.S. 9—52250
Notkin, G.E. *see* Berlizov, A.B. 9—55545
Notkin, M.E. *see* Livshitz, A.I. 9—71469
Notley, M.J.F. ELESIM: a computer code for predicting the performance of nuclear fuel elements 9—81007
Notni, P. *see* Afanasjev, V.L. 9—101212
Noto, K., Watanabe, K., Muto, Y. Superconductivity and the very strong electron-phonon interaction in amorphous Bi and Bi-Pb alloys 9—95552
Noto, K. *see* Stohr, P.L. 9—56418
Notoya, T. *see* Poling, G.W. 9—100280
Notsu, Y., Nakajima, T., Kawai, N. Remanent magnetism of sintered diamond with cobalt 9—99731
Nott, D. Definite integrals of generalized functions 9—50200
Nottenburg, R., Rajeshwar, K., Freeman, M., Dubow, J. Dynamic dielectric analysis of solids 9—63271
Nottenburg, R. *see* Rajeshwar, K. 9—100479
Nottenburg, R.N., Rajeshwar, K., DuBow, J., Pai Verneker, V.R. AC electrical conductivity of pure and doped potassium perchlorate 9—99367
Nottrodt, K.H., Georgii, H.W., Groeneveld, K.O., Latz, R. PIXE analysis of the composition of atmospheric aerosols 9—53004
Notz, D. *see* Becker, H. 9—54363, 9—63533
Notz, D. *see* Blanar, G. 9—76285
Notz, D. *see* Brandelik, R. 9—63491, 9—93441
Notz, K.J., Beatty, R.L., Haas, P.A., Lackey, W.J., Ryon, A.D., Suchomel, R.R. Remote fabrication with gel-Sphere-Pac technology 9—89482
Notz, K.J. *see* Johnson, D.R. 9—89483
Nouailhat, A., Guillot, G., Truong Van Khiem, Ortega, J.M. Evidence for the interaction between the free exciton and the F^- centres in KI 9—83036
Nouailhat, A. *see* Guillot, G. 9—51103, 9—69103
Nouchi, I., Jacques, A., D'Auria, L. Characteristics against length of silicone-clad silica optical fibres 9—64319
Nouet, G., Delavignette, P. Structure of the coherent twin boundary in a BCC metal: vanadium 9—60379
Nougier, J.P. *see* Nava, F. 9—56233
Nougier, J.P. *see* van der Ziel, A. 9—60883
Noujaim, A.A. *see* Terner, U.K. 9—62217
Nourbakhsh, S. *see* Blicharski, M. 9—91666
Nourescu, A. *see* Fuchs, K. 9—84172
Nouri-Moghadam, M., Yoshimura, T. Systems containing derivative coupling and/or vector fields in augmented quantum field theory 9—63367
Nourtier, C., Kleman, M., Taupin, D., Miltat, J., Labrune, M., Epelboin, Y. Simulation of X-ray topographs of ferromagnetic domains in silicon-iron, especially their junctions 9—78434
Novaco, A.D. Theory of orientational epitaxy in the self-consistent phonon approximation 9—95261
Novaco, A.D. *see* McTague, J.P. 9—82460
Novak, B., Pukl, J. Autonomous power sources with solar generators 9—87989
Novak, B.L. *see* Kuznetsov, A.V. 9—80371
Novak, D.J. Application of laser techniques in rain impact and erosion investigations 9—62610
Novak, I.I. *see* Pakhomov, P.M. 9—57220
Novak, I.I., Selezov, I.T. Wave motions in thin film of suspension flowing down an inclined plane 9—77220
Novak, J. *see* Minehart, R. 9—76032
Novak, J.P. Radial characteristics of nonequilibrium discharges 9—94833
Novak, M.M. On the momentum of the electromagnetic field in a medium 9—97550
Novak, R. *see* Bhaskar, N.D. 9—76459
Novak, R. *see* Deutsch, Ch. 9—76864
Novak, V. *see* Knudsen, W.C. 9—58251
Novakov, T. *see* Yasa, Z. 9—96493
Novakova, G. *see* Smrcek, A. 9—70196
Novakova, O. *see* Gilar, O. 9—49873
Novakovic, L. *see* Napijalo, M.Lj. 9—56495, 9—56509, 9—56510, 9—56566
Novakovskii, S.V., Kuznetsova, E.M. Electronic color correction during color motion pictures television broadcasting 9—49321
Novaro, O. *see* Daudey, J.P. 9—50179
Novello, M., Reboucas, M.J. Rotating universe with successive causal and noncausal regions 9—67200
Novello, M., Salim, J.M. Nonlinear photons in the universe 9—97276
Nover, M., Weis, O. I(U) characteristics of superconducting tunnel junctions at prescribed nonthermal quasiparticle distributions 9—65609
Novgorodskii, V.I. *see* Verenkova, E.M. 9—79151
Novichenok, L.N. *see* Shul'man, Z.P. 9—77264
Novichkov, A.V. *see* Ivanov, V.P. 9—93252
Novick, R. *see* Anderson, D.F. 9—80222
Novick, R. *see* Giacconi, R. 9—70941
Novick, R. *see* Long, K.S. 9—101221
Novick, R. *see* Parkinson, J.H. 9—96979
Novick, S.E., Engelking, P.C., Jones, P.L., Futrell, J.H., Lineberger, W.C. Laser photoelectron, photodetachment, and photodestruction spectra of O_3^- 9—64042
Novick, S.E., Jones, P.L., Mulloney, T.J., Lineberger, W.C. Resonances in photodetachment of sodium halide negative ions 9—54922
Novick, S.E. *see* Janda, K.C. 9—76420
Novik, A.E. *see* Afonnikov, N.A. 9—68424
Novik, F.S., Glotova, L.M. Spectral characteristics of motion picture camera lenses 9—49322
Novik, F.S. *see* Arsov, Ya. 9—83192
Novik, G.A., Polyakov, S.M. Mechanism of formation of preferred orientation in CdS layers obtained by vacuum evaporation 9—56094
Novik, V.K. *see* Chernenko, V.A. 9—95716
Novik, V.K. *see* Galitskii, V.Yu. 9—99821
Novik, V.K. *see* Gavrilova, N.D. 9—61317
Novik, V.K. *see* Popova, T.V. 9—69787, 9—95715
Novikoff, D. *see* Becker, U. 9—59059
Novikov, A.A. *see* Mavrin, O.I. 9—86890
Novikov, A.P. *see* Komarov, F.F. 9—54962
Novikov, A.Yu. *see* Kardashev, N.S. 9—62862
Novikov, E.A., Sedov, Yu.B. Vortex collapse 9—98736
Novikov, E.A., Selov, Yu.B. Stochastic vortices 9—77132
Novikov, I.A. Solution of linear boundary inverse problems of heat conduction 9—72777
Novikov, I.D., Popova, A.D. The parallactic distance of objects in a locally inhomogeneous Universe 9—97120

Novikov, I.I., Goncharov, V.G., Obydalo, K.I., Roshchupkin, V.V., Raskina, R.I., Semashko, N.A. Density and coefficient of extension of tool steels with high heat resistance 9—51282

Novikov, I.I., Zakharov, A.M., Bernshtein, L.M., Veller, M.V. Effect of cold deformation by hydrostatic extrusion on aging of alloy Mo-0.63%Zr-0.06%C 9—57001

Novikov, I.I. *see* Boyarskii, S.V. 9—86884

Novikov, I.I. *see* Klimov, K.M. 9—57049

Novikov, I.I. *see* Voitekhova, E.A. 9—86657

Novikov, K.N. *see* Kagan, V.Ye. 9—53086

Novikov, L.F. *see* Bedenyapin, G.A. 9—70102

Novikov, L.F. *see* Dushin, Yu.A. 9—52260

Novikov, N.A. *see* Artemov, V.M. 9—52659

Novikov, N.N. *see* Maslov, V.P. 9—79133

Novikov, N.V., Gorodyskii, N.I., Ul'yanenko, A.P. Regression analysis of the curve of tensile strength of chrome-nickel steel versus temperature of cooling (to 4K) 9—57070

Novikov, S.S. *see* Kovtun, V.V. 9—76666

Novikov, V.A. *see* Manokhin, A.I. 9—100090

Novikov, V.A. *see* Vainshtein, A.I. 9—71718

Novikov, V.E. *see* Erokhin, N.S. 9—64293

Novikov, V.F., Fateev, I.G., Kochegarova, G.B. Magnetoelastic properties of iron single crystals in the trigonal direction [111] 9—82849

Novikov, V.F., Khoroshev, I.G., Nevzorova, E.G. Orientation of crystals of electrical steel and their dimensions by a magnetic method 9—70278

Novikov, V.F., Khoroshev, I.G., Tikhonov, V.F. Oscillography of hysteresis loops using a superposed ferroprobe transducer 9—87785

Novikov, V.M. *see* Subbotin, V.I. 9—71886

Novikov, V.N. *see* Alekseev, B.V. 9—98976

Novikov, V.P. Applications of spline functions in programs for gas phase electron diffraction analysis 9—89810

Novikov, V.P. *see* Smirnov, V.S. 9—68422

Novikov, V.V. *see* Zarichnyak, Yu.P. 9—87075

Novikov, V.Yu. Computer simulation of microstructure alterations and texture formation in normal grain growth 9—90679

Novikov, V.Yu. On computer simulation of texture development in grain growth 9—96036

Novikov, Yu.B. *see* Gabeskiriya, V.Ya. 9—71938

Novikov, Yu.B. *see* Golubev, L.I. 9—97833

Novikov, Yu.B. *see* Prokopenko, V.S. 9—97830

Novikov, Yu.N. *see* Alkhazov, G.D. 9—75957

Novikov, Yu.N. *see* Fialkov, A.S. 9—91600

Novikov, Yu.P. *see* Buloshnikov, A.M. 9—53659

Novikov, Yu.P. *see* Khashchina, M.V. 9—88908

Novikova, D.P. *see* Ksendzyk, G.V. 9—78956

Novikova, I.A. *see* Alimov, A.K. 9—83340

Novikova, I.G. Effect of the defect structure character in calcite single crystals on X-ray diffraction 9—65089

Novikova, L.G. *see* Treivus, E.B. 9—55689

Novikova, M.B., Agafonova, A.V., Sinitsina, N.A. Orientation of annealed zinc alloyed with aluminium and magnesium 9—52234

Novikova, M.N., Ivanova, V.M., Zaporozhskaya, Z.P. A study of the chemical resistivity of silicate pigments 9—61755

Novikova, V.V. *see* Kozik, E.A. 9—64885

Novion, C.de *see* de Novion, C.

Novitskaya, G.M., Rychkov, A.A. Influence of cyclic variations in temperature and stress on high-temperature strength of steel 15Kh1M1F 9—52341

Novitskaya, G.M. *see* Krutasova, E.I. 9—57075

Novitskaya, G.M. *see* Rychkov, A.A. 9—52506

Novitskii, A.G. *see* Ivanov, Yu.A. 9—100842

Novitskii, G.P. *see* Rokityanskii, I.I. 9—96737

Novitskii, M.G. *see* Bronshtein, I.M. 9—69934

Novlan, D. *see* Izquierdo, M. 9—58079

Novobrantsev, I.V. *see* Zhdanok, S.A. 9—76677

Novokhatskii, I.A., Arkharov, V.I., Lad'yanov, V.I., Kisun'ko, V.Z. Fast-cycle heat treatment of metal melts 9—91628

Novokreshchenov, V.K. *see* Batovrin, V.K. 9—59766

Novokreshchenova, E.P. *see* Shchetinin, A.A. 9—67386

Novokshonov, V.I. *see* Vereshchagin, L.F. 9—73621

Novosadov, B.K. A solution of the Hartree-Fock integral equations for molecules 9—76325

Novosadova, E.B., Chalyi, V.P. Mn-Zn ferrite fillers for elastic magnetic materials 9—52143

Novoselets, S.A. *see* Khazanov, A.I. 9—57781

Novoselov, A.A. *see* Belousova, E.I. 9—100862

Novoselov, G.P. *see* Druzhinin, L.K. 9—76093

Novoselov, S.K. *see* Vaninov, V.L. 9—65829

Novoselova, A.V. *see* Sher, A.A. 9—87622

Novoselova, S.M. Evaluation of the components of the anisotropic rigidity of the basilar membrane 9—79569

Novotny, A. *see* Hamal, K. 9—49314

Novotny, J. On the generally invariant Lagrangians for the metric field and other tensor fields 9—71317

Novotny, J., Spurny, Z. Absorption shift in aluminophosphate glasses 9—65897

Novotny, J. *see* Kovarik, J. 9—67965

Novotny, M.A. Matrix products with application to classical statistical mechanics 9—71351

Novotny, P. *see* Gemperle, R. 9—65693

Novotny, V. Particle charges and particle-substrate forces by optical transients 9—50218

Novotny, V. Measurement of mobilities of particles in liquids by optical and electrical transients 9—77303

Novotny, V., Alexandru, L. Light-induced phenomena in dye-polymer systems 9—76779

Novotny, V., Vich, M., Kubista, P. Strength and resistance to abrupt changes in temperature of some mass-produced types of glass. I. Tensile strength and impact strength 9—74227

Novozhilov, B.M. *see* Bobrovnikov, G.N. 9—68833

Novozhilov, B.V., Posvyanskii, V.S. Two-dimensional isothermal-flame problem 9—100369

Novozhilov, N.M., Surkov, A.V., Entin, S.D., Merinov, P.E. On the austenitising and ferritising effect of elements in austenitic ferritic weld metals 9—87614

Novozhilov, V.I., Savel'yev, S.M. Irregular structure of the ionosphere in the field of a strong obliquely incident radio wave 9—62648

Novozhilov, V.I. *see* Krokhmal'nikov, Ye.B. 9—53630

Novozinskaya, N.B. *see* Zhabrev, V.A. 9—65231

Novruzov, O.N. *see* Alidzhanov, M.A. 9—51738

Nowack, R.L. *see* Patwardhan, A.S. 9—88286

Nowack, W.J., Johnson, R.N., Hanna, G.R., Theodoridis, G.C. A model of thalamocortical interactions and their role in the development of generalized seizures 9—83759

Nowacki, W. Some general theorems of thermopiezoelectricity 9—73884

Nowak, A. Mathematical model of dynamics of pressure stabilizer of nuclear power plant with pressurized-water reactor 9—63800

Nowak, A. *see* Ryba-Romanowski, W. 9—87476

Nowak, A.V. *see* Lyman, J.L. 9—100408

Nowak, G. *see* Babecki, J. 9—93597

Nowak, G. *see* Hand, L. 9—75979

Nowak, H. *see* Babecki, J. 9—80177

Nowak, J. *see* Ryba-Romanowski, W. 9—87476

Nowak, J.-F., Lambertin, M., Colson, J.-C. A kinetic and morphological study of the sulphidation of Ni/23 Cr and Ni/33 Cr alloys in S^2 vapour and hydrogen sulphide 9—52424

Nowak, K. *see* Lachnik, E. 9—96650

Nowak, L. *see* Demenko, A. 9—81319

Nowak, L. *see* Dowda, W. 9—96075

Nowak, M. Modifying the fatigue properties of polyamide treated by the thermal method under pressure 9—87669

Nowak, M. *see* Grzedzinski, J. 9—98651

Nowak, M. *see* Konczak, S. 9—99584

Nowak, S. *see* Givernaud, A. 9—58982

Nowakowska, M. *see* Sudol, M. 9—52328

Nowakowski, K.-D. *see* Knopf, U. 9—68040

Nowakowski, L. *see* Carbone, Q.J. 9—78876

Nowakowski, T. *see* Jezowska-Trzebiatowska, B. 9—90621, 9—91046

Nowick, A.S. *see* Kim, K.K. 9—77678

Nowick, A.S. *see* Tuller, H.L. 9—60827

Nowicki, G. *see* Bekk, K. 9—72436

Nowik, I. *see* Bauminger, E.R. 9—87361

Nowik, I. *see* Feder, D. 9—90736, 9—95094

Nowikow, C.V., Grice, R. Cross-correlation time-of-flight analysis of molecular beam scattering 9—55000

Nowinowski-Kruszelnicki, N. *see* Zielinski, J. 9—82947

Nowogrocki, G. *see* Gerand, B. 9—99157

Nowogrocki, G. *see* Houttemane, C. 9—99172

Nowogrocki, G. *see* Tudo, J. 9—73146

Nowogrodzki, M. *see* Mendecki, J. 9—62296

Nowotny, H., Hittmair, O. Calculation of the transition temperature T_c of superconductors 9—51709

Nowotny, H. *see* Strutt, P.R. 9—70086

Nowotny, H. *see* Young-Won Kim 9—100188

Nowotny, J., Sadowski, A. Chemical diffusion in nickel oxide 9—60544

Nowotny, J. *see* Bonnet, J.P. 9—61791

Nowotny, R. Wear measurement by implantation of fission fragments 9—87765

Nowotry, R. Device for multiplexing scintillation probe pulses into gamma-camera scintigrams 9—92347

Nowroozi, A.A. *see* Chandra, U. 9—92497

Noxon, J.F., Norton, R.B. Changes in thermospheric composition inferred from twilight $O^+(^2P)$ emission 9—62635

Noxon, J.F. *see* Traub, W.A. 9—53750

Noya, A., Kuriki, S., Matsumoto, G., Hirano, M. A study of gold migration in Au-Y_2O_3-Y junctions by secondary ion mass spectrometry 9—91157

Noya, A. *see* Nakane, H. 9—99636

Noyau, A. *see* Vidal, C. 9—57205

Noyel, G., Huck, J., Bondeau, A. Sampling data process for dielectric dispersion and absorption measurements in the very low frequency range 9—49257

Noyes, F.R. *see* Suntay, W.J. 9—92269

Noyes, R.M. Generalized kinetics of chemical change: some conditions for validity of the steady state approximation 9—83439

Noyes, R.M. *see* Edelson, D. 9—91931

Noyes, R.W. *see* Raymond, J.C. 9—66981

Noyes, W.A., Jr. *see* Lee, S.A. 9—64035

Noz, M.E. *see* Kim, Y.S. 9—54246, 9—67174, 9—89099

Nozaki, C. *see* Fujitani, Y. 9—52985

Nozaki, T., Iwamoto, M., Itoh, Y. Production of ^{77}Br by various nuclear reactions 9—85468

Nozaki, Y. *see* Turekian, K.K. 9—84300

Nozato, R. *see* Tsubakino, H. 9—100144

Nozawa, T., Yamamoto, T., Matsuo, Y., Ohya, Y. Effects of scatching on losses in 3-percent Si-Fe single crystals with orientation near (110)[001] 9—51802

Nozdrachev, S.Yu. *see* Grigor'ev, E.I. 9—97736

Nozoye, H. *see* Niwa, Y. 9—54998

Nquyen Van Dep General theory of homogeneous mixtures 9—90360

Nriagu, J.O. Global inventory of natural and anthropogenic emissions of trace metals to the atmosphere 9—66428

Nriagu, J.O., Kemp, A.L.W., Wong, H.K.T., Harper, N. Sedimentary record of heavy metal pollution in Lake Erie 9—83644

Nshanyan, M.A. *see* Arakelyan, S.M. 9—73097

Nuber, B., Siebert, H., Weidenhammer, K., Weiss, J., Ziegler, M.L. The crystal structure of fac-triamminetrinitrocobalt(III), fac-$[Co(NH_3)_3(NO_2)_3]$ 9—60311

Nuckels, C.D., III *see* Smith, D.L. 9—84198

Nuckolls, J.H. *see* Rosen, M.D. 9—82081

Nudel'man, B.L. *see* Nudel'man, L.G. 9—57072

Nudel'man, L.G., Nudel'man, B.L. Mechanical characteristics of SCh15-32 cast iron in the plane stressed state 9—57072

Nudelman, S. *see* Seeley, G.W. 9—74751

Nuese, C.J. Advances in heterojunction lasers for fiber optics applications 9—55149

Nuese, C.J. *see* Ettenberg, M. 9—81431

Nuese, C.J. *see* Olsen, G.H. 9—50308, 9—98385

Nugent, J.J. *see* Tuohy, I.R. 9—58403

Nuhfer, E.B., Romanosky, R.R. Determination of lead in Earth materials from lithium metaborate flux-fusion dissolutions 9—88035

Nukui, A., Nakazawa, H., Akao, M. Thermal changes in monoclinic tridymite 9—65020

Nukui, A., Yamamoto, A., Nakazawa, H. Non-integral phase in tridymite 9—99144

Null, M.R. *see* Lozier, W.W. 9—50901

Nuller. B. *see* Soff, G. 9—89817

Nulow, B., Johnsson, B., Jonsson, G.G., Lindgren, K., Nilsson, M., Petersson, R. Some $(\gamma,\pi^-$ xn) reactions on ^{197}Au at intermediate energies 9—54430

Numa, H. *see* Ishikawa, H. 9—96097

Numano, F. *see* Koh, H. 9—88222

Numano, M., Onishi, H. Effect of collisional transitions on the population distributions of excited atoms in a plasma 9—90373

Numao, T., Kobayashi, T., Nakayama, H. Study of high spin states in ^{89}Zr 9—89217

Numasawa, Y., Watanabe, T. Magnetic susceptibility and its field dependence of $CaCu(CH_3COO)_4.6H_2O$ 9—87241

Numata, H. Calculation of the reflectivity of polymeric sulfur nitride $(SN)_x$ 9—87462

Numata, H., Haruyama, S. Impedance measurement of Ni/Ni(II) electrode reaction in LiCl-KCl eutectic melt 9—100392

Numerov, S.N. *see* Berslavskii, Z.N. 9—88374

Numrich, R.W., Kay, K.G. Dissociation dynamics of collinear triatomic systems by the R-matrix method 9—70315

Nunberg, P. *see* Pace, E. 9—71807

Nundel, M. *see* Schmialek, P. 9—70723

Nunes, F.D., Patel, N.B., Alvarez, J.G.M., Ripper, J.E. Refractive-index profile and resonant modes in GaAs lasers 9—86179

Nunes, F.D. *see* Engelmann, R.W.H. 9—98361

Nunes, F.D. *see* Patel, N.B. 9—64226

Nunes, F.D. *see* Vilela, J.M. 9—98366

Nunez, A. *see* George, K. 9—57395

Nunez Regueiro, M. *see* Haen, P. 9—60811

Nunez-Duran, H., Peon, J. A simple device to detect vibrations in the electron microscope laboratory 9—54233

Nunez-Regueiro, M. *see* Meerschaut, A. 9—51086

Nunnelley, L. *see* Dyer, P. 9—67786

Nunnelley, L. *see* Puigh, R.J. 9—93675

Nunogaki, M., Naito, M., Akimune, H. Two-stage-discharge ion source 9—90423

Nunome, K. *see* Toriyama, K. 9—100412

Nunomura, S. *see* Fukui, Y. 9—96115

Nur, A. *see* Israel, M. 9—84149

Nur, A. *see* Mahrer, K.D. 9—84154

Nurgaliev, K. *see* Bayadilov, E.M. 9—86814

Nurgozhin, N. *see* Aksinenko, V. 9—97713

Nurgozhin, N.N. *see* Volodin, V.D. 9—97940

Nuritdinov, Kh. *see* Baiburina, S.G. 9—80156

Nuritdinov, N. *see* Baiburina, S.G. 9—80170

Nuritdinov, S.N. Nonlinear stationary density waves. II. Finite amplitude waves in a thin layer of stars 9—88739

Nurkuziev, G. *see* Azimov, S.A. 9—51314, 9—91099

Nurmikko, A.V. *see* Jamison, S.A. 9—78684

Nurmikko, A.V. *see* Lemley, W. 9—89891

Nurmukhametov, R.N., Kunavin, N.I., Khachaturova, G.T. A study of the T_1 state of xanthene dyes by phosphorescence spectroscopy 9—85981

Nurmukhametov, R.N. *see* Betin, O.I. 9—85983

Nuroh, K. Theory for the $L_{2,3}$ soft X-ray appearance potential spectra for the 3 d transition metals 9—78791
Nuroh, K., Wendin, G. Theory for the 2p-shell SXAPS for the 3d-transition metals 9—87527
Nurushev, S. *see* Fidecaro, G. 9—85343
Nurushev, S.B. *see* Apokin, V.D. 9—67615
Nurzynski, J. *see* Burgi, H.R. 9—67756
Nusair, M., Goodman, B. Response functions of a degenerate electron gas: the memory-function kinetic equation approach 9—49159
Nusbickel, F.R. *see* Swartz, W.J. 9—84038
Nusinov, A.A. *see* Ivanov-Kholodnyy, G.S. 9—53613
Nusinovich, G.S. *see* Zarnitsyna, I.G. 9—89877
Nussbaum, A. Advanced geometric optics on a programmable pocket calculator 9—58468
Nussbaum, A. Ray tracing on a programmable pocket calculator 9—81508
Nussbaum, J.H., Grodzinsky, A.J. H^+ binding and diffusion-reaction rates in collagen electromechanics 9—79489
Nussbaum, M. *see* Giboni, K.L. 9—89204
Nussbaumer, H., Schild, H. C III observable with IUE 9—71089
Nussbaumer, H., Storey, P.J. Transition probabilities for N IV, O V, F VI, Ne VII and F V 9—54792
Nussbaumer, H., Storey, P.J. Transition probabilities for Ca XVII, Fe XXIII, Kr XXXIII and Mo XXXIX 9—59383
Nussbaumer, H. *see* Huber, M.C.E. 9—53896
Nussberger, A.A. *see* Tonelli, A.D. 9—52892
Nussenzveig, H.M. Complex angular momentum theory of the rainbow and the glory 9—96815
Nussinov, S., Szwed, J. Diffractive production and hadron structure 9—71732
Nussinov, S. *see* Bigi, I.I.Y. 9—49518
Nussinov, S. *see* Casher, A. 9—89176
Nussler, H.D., von Goldbeck, O., Spencer, P.J. A thermodynamic assessment of the iron-tin system 9—91618
Nussupov, K.H. *see* Mukashev, B.N. 9—87472
Nusta, H.H., Lajos, R.E., Kiewit, D.A. Control plasma etching 9—57127
Nutt, G.F., Haydon, S.C., McIntosh, A.I. Measurement of electronic quenching rates in nitric oxide using two-photon spectroscopy 9—50097
Nutt, G.F., Orr, B.J. CO_2 laser-induced chemiluminescence in SF_6/hydrocarbon mixtures: dependence on laser fluence 9—57233
Nuttall, A. *see* Kenefic, R. 9—86296
Nuttall, A.H. *see* Quazi, A.H. 9—64468
Nuttall, A.H. *see* Strawderman, W.A. 9—94398
Nutting, J. *see* Blicharski, M. 9—91666
Nuttli, O.W. *see* Hermann, R.B. 9—84130
Nuvolone, R. Lowering of the level of degassing of AISI 304 and 316 stainless steels 9—57159
Nuwer, M.R., Pribram, K.H. Role of the inferotemporal cortex in visual selective attention 9—100616
Nuyts, J. *see* Bacry, H. 9—49381, 9—54255
Nuyts, W. *see* De Brouckere, L. 9—61191
Nuytten, C. *see* Schoeters, E. 9—75836
Nuzhdin, S.F. *see* Karnaushenko, N.N. 9—100978
Nuzhin, V.S. Measurement of the time-varying lateral aberrations of objectives 9—76797
Nuzhnaya, T.P. *see* Budennaya, L.D. 9—100120
Nuzhnyi, V.M. *see* Dolinskii, A.A. 9—68561
Nuzzo, S. *see* Armenise, N. 9—67533, 9—67536, 9—93397, 9—93398
Nuzzo, S. *see* Ferrante, G. 9—50856, 9—77351, 9—81248
Nwachuku, C.O. New expressions for the eigenvalues of the invariant operators of O(N) and Sp(2n) 9—71652
Nyamira, M.A., Vilyamas, Yu.V., Shimonis, V.M. Heat exchange in annular channels for turbulent flow of gases with variable physical properties. IV. Correlation of investigation results 9—90256
Nyamira, M.A. *see* Vilyamas, Yu.V. 9—94620
Nyas, D.N. *see* Srivastava, K.M. 9—82050
Nyberg, B.R., Herstad, K., Bjorlow Larsen, K., Hansen, T.E. Measuring electric field by using pressure sensitive elements 9—97367
Nyberg, C. Soft X-ray appearance potential spectroscopy of C, N and O adsorbed on Cr, Mo and W 9—52048
Nyberg, G.L., Richardson, N.V. Symmetry analysis of angle-resolved photoemission: polarization dependence and lateral interactions in chemisorbed benzene 9—91568
Nyberg, G.L. *see* Kibel, M.H. 9—72356
Nybo, K. *see* Thorsteinsen, T.F. 9—59077
Nyburg, S.C. 'Polar flattening': Non-spherical effective shapes of atoms in crystals 9—73123
Nyburg, S.C., Wong-Ng, W. Anisotropic atom-atom forces and the space group of solid chlorine 9—73127
Nyburg, S.C. *see* Yuen, P.S. 9—50930
Nye, J.E. *see* Berry, M.V. 9—50213
Nye, J.F. Optical caustics from liquid drops under gravity. Observations of the parabolic and symbolic umbilics 9—72485
Nyeland, C., Billing, G.D. Approximative treatments of rotational relaxation 9—76494
Nygaard, K.J. *see* Brooks, H.L. 9—98219
Nygren, D.R. *see* Fancher, D. 9—68148
Nygren, T. *see* Jalonen, L. 9—75037
Nyholm, R. *see* Berndtsson, A. 9—83101
Nyland, T. *see* Gauntner, D.J. 9—58010
Nyman, D.H., Dahl, R.E., Claudson, T.T. Remote fabrication of nuclear fuel pellets 9—89478
Nyman, D.H., McLemore, D.R., Sturges, R.H. A handling system for nuclear fuel pellet inspection 9—49824
Nyman, E.M. *see* Dautry, F. 9—59027
Nyman, G. *see* Azuma, R.E. 9—93550
Nyman, G. *see* Ewan, G.T. 9—71820
Nyman, G. *see* Schardt, D. 9—93567
Nymmik, R.A. *see* Somogy, A. 9—80173
Nyquist, R.A. *see* Loy, B.R. 9—74460
Nyssen, C. *see* Beckers, P. 9—81742
Nystrom, B., Roots, J., Bergman, R. Sedimentation velocity measurements close to the upper critical solution temperature and at θ-conditions: polystyrene in cyclopentane over a large concentration interval 9—70385
Nystrom, B. *see* Roots, J. 9—70377, 9—95195
Nystrom, K. *see* Grundevik, P. 9—89632
Nyung Lee Dong *see* Dong Nyung Lee
Nyunka, V. *see* Baltrameyunas, R. 9—65391
Nyun'ko, N.E., Tyukhtyaev, Yu.N., Faustov, R.N. An investigation of some logarithmic contributions $\sim\alpha^6$ ln α to hyperfine ground state splitting in positronium 9—94114
O., C.E.Navia *see* Navia O., C.E.
O., J.Rubio *see* Rubio O., J.
Oaiyum, A. *see* Alam, B. 9—75190
Oakes, M.E., Michie, R.B., Tsui, K.H., Copeland, J.E. Cold plasma dispersion surfaces 9—60120
Oakes, R.J. *see* Mikaelian, K.O. 9—49530
Oates, G. *see* Coffey, J.M. 9—79196
Oba, D. *see* Breckenridge, W.H. 9—68304
Oba, M. *see* Shimomura, K. 9—61569
Oba, R., Ito, Y. Cavitation shock pressures in a venturi. II 9—90298
Oba, R., Ito, Y., Uranishi, K. Effect of polymer additives on cavitation development and noise in water flow through an orifice 9—98768
Obara, H. *see* Tobe, T. 9—100208
Obara, M. *see* Sumida, S. 9—86167
Obara, S. *see* Tatewaki, H. 9—81158
Obara, T. *see* Konishi, M. 9—83232
Obayashi, T. *see* Morita, M. 9—64909
Obe, G. *see* Stephan, G. 9—96624
Ob'edkov, V.D. Spin polarization processes in two electron systems 9—94085
Ob'edkov, V.D. *see* Alekseev, A.B. 9—94093
Obenschain, S.P. *see* Decoste, R. 9—71952
Obenschain, S.P. *see* Ripin, B.H. 9—86596
Ober, T.G., Stork, J.C., Bandera, R.P., Terney, W.B. Extension of the ROCS coarse-mesh physics simulator to two energy groups 9—81034
Ober, T.G. *see* Terney, W.B. 9—89360
Oberacker, V. *see* Kruse, H. 9—67783
Oberc, P. Magnetospheric tail dynamics and a concept of combined action of viscous drag and magnetic merging 9—84593
Oberg, C.L., Combs, L.P., Silverman, J. Coal conversion by flash hydropyrolysis and hydrogasification 9—52868
Oberg, P.Ake *see* Ake Oberg, P.
Oberhammer, H. Molecular structures of phosphorus compounds. VII. Electron diffraction study of ethinyltetrafluorophosphorane $HC{\equiv}CPF_4$ 9—50133
Oberhammer, H., Boggs, J.E. Geometric and electronic structures of chlorine- and fluorine-substituted carbonyl and thiocarbonyl compounds. An ab initio study 9—89603
Oberholtzer, R.D. *see* Andrews, R.A. 9—67990
Oberhummer, H. *see* Preisinger, K. 9—75980
Oberhummer, H. *see* Ratel, G. 9—75981
Oberlander, B., Strutz, E.O. Preparation of ceramic specimens with the Pedemax-Planopol automatic grinder and polisher 9—74333
Oberlin, A. Application of dark-field electron microscopy to carbon study 9—77464
Obermair, G.M. *see* Wannier, G.H. 9—77978
Obermeier, F. On a new representation of aeroacoustic source distribution. I. General thoery 9—50492
Obermeier, F. On a new representation of aeroacoustic source distribution. II. Two-dimensional model flows 9—50493
Obermeyer, H. *see* Frank, K. 9—67592
Obermyer, R., Sankar, S.G., Rao, V.U.S. Magnetic properties of pseudo-ternaries of the composition $Nd(Mn_{1-x}Cr_x)_2Si_2$ 9—78342
Obermyer, R.T. *see* Butera, R.A. 9—73735
Oberparleiter, R. *see* Apel', V.D. 9—67609
Oberparleiter, R. *see* Apel, W.D. 9—58978
Oberski, J.E.J. *see* Hermans, W.C. 9—67720
Oberson, R. Computerised tomography 9—70691
Oberstar, J.D. *see* Feng, M. 9—69872
Oberstar, J.D. *see* Petuchowski, S.J. 9—93963
Obert, W. Cryopumped hydrogen cluster beam source 9—63258
Obert, W. *see* Falter, H.-D. 9—72011
Obi, Y. *see* Morita, H. 9—51773
Obiki, T. *see* Mutoh, T. 9—90425
Obinata, T., Wada, M. The relativistic effects on the two-nucleon and nuclear matter systems 9—89261
Obled, C. *see* Marbouty, D. 9—96770
Oblow, E.M. *see* Burn, K.W. 9—54608
Oblow, E.M. *see* Seki, Y. 9—67951
Obodan, V.Ya. *see* Berdyanskii, E.N.A. 9—71404
Obodovskaya, A.E. *see* Chudinova, N.N. 9—79235
Obodovskii, B.A. *see* Kosse, V.I. 9—55336
Obodovskii, I.M. *see* Guschin, E.M. 9—78855
O'Boyle, D.J. *see* Coward, R. 9—84050
Obrant, G.Z. *see* Kravtsov, A.V. 9—76026
Obraztsov, V.F. *see* Dzhelyadin, R.I. 9—67556
Obraztsov, V.F. *see* Golovkin, S.V. 9—89212
Obraztsov, V.F. *see* Victorov, V.A. 9—67546
Obridko, V.N. Structure of the atmosphere above sunspots 9—96989
O'Brien, G. *see* McCrea, J.D. 9—49118
O'Brien, G.E. *see* Braga, R.A. 9—76306
O'Brien, G.M. Equations of motion in linearised gravity: III. Rotating sources 9—93004
O'Brien, G.M. *see* Hogan, P.A. 9—85020
O'Brien, H.A., Jr. *see* Grant, P.M. 9—53247
O'Brien, J.J. *see* Adamec, D. 9—79860
O'Brien, J.P. *see* Park, W.M. 9—53213
O'Brien, J.T. *see* Sober, D.I. 9—85494
O'Brien, K. Secular variations in the production of cosmogenic isotopes in the Earth's atmosphere 9—53686
O'Brien, K. The response of LiF thermoluminescence dosimeters to the ground-level cosmic-ray background 9—59265
O'Brien, R. *see* Jelley, N.A. 9—89637
O'Brien, R. *see* Trabert, E. 9—59545
O'Brien, R.W. A method for the calculation of the effective transport properties of suspensions of interacting particles 9—50836
Obrizan, V.A. *see* Kovtun, V.V. 9—77035
Obrtlik, K., Kucera, J. Diffusion of vanadium in the Fe-V system 9—90817
Obukhov, A.I. *see* Bychenkov, V.S. 9—80964
Obukhov, A.M., Dolzhanskiy, F.V. Elementary models of nonlinear interactions in turbulent and convective flows 9—98706
Obukhov, N.S. *see* Zabil'skii, V.V. 9—66085
Obukhov, S.A. Magnetic-field-induced semiconductor-metal transition in uniaxially deformed p-type indium antimonide 9—95457
Obukhov, V.M. Television monitoring of glass-melting process 9—58756
Obukhov, V.M., Yakovlev, Yu.S., Krysin, V.P. A system for monitoring and controlling gas consumption through ports 9—58692
Obukhov, Yu.V. *see* Barsov, S.G. 9—87370
Obukhov, Yu.V. *see* Gordeev, V.A. 9—56675
Obukhova, N.F., Atroshchenko, L.V., Putyatin, V.D. Microhardness anisotropy and structure of $Cd_xMg_{1-x}Se$ single crystals grown from a melt 9—86836
Obukhova, N.F. *see* Sil'vestrova, I.M. 9—95709
Obunai, T., Kusanagi, M., Hikage, K. Effect of dielectric material on slow-surface wave propagation in a solid-plasma waveguide 9—50862
Obydalo, K.I. *see* Novikov, I.I. 9—51282
Obykhova, O.I. *see* Vasyuta, B.M. 9—75624
O'Callaghan, M.J. *see* Axan, B.M. 9—78081
O'Callaghan, P.W., Probert, S.D., Murray-Smith, A.I., Hammond, G.P. Mixing of two intersecting plane turbulent air jets 9—86476
Ocana, T. *see* Yacaman, M.J. 9—77739
Ochabova, P. Time displacement between storm-time variations of the Earth's and interplanetary magnetic fields 9—101032
Ochan, M.Yu. Programmed winding of articles from composites which are nonlinearly elastic in the transverse direction 9—86339
Ocheana, G. *see* Cohen, J. 9—63881
Ochelkov, Yu.P., Usov, V.V. On the nature of radiation from the pulsar PSR 0531+21 9—58370
Ochi, K., Lu, B.C.-Y. Prediction of equilibrium liquid compositions from dew-point measurements for ternary systems 9—77733
Ochi, K. *see* Kawamura, M. 9—70737
Ochi, M. *see* Shimbo, M. 9—79092
Ochi, R., Hino, N. Depression of slow inward current by acetylcholine in mammalian ventricular muscle 9—92210
Ochiai, E. The evolution of the environment and its influence on the evolution of life 9—80030
Ochiai, F. *see* Kichimi, H. 9—89207
Ochiai, F. *see* Sugahara, R. 9—93453, 9—93454
Ochiai, S., Murakami, Y. Tensile strength of composites with brittle reaction zones at interfaces 9—52306
Ochiai, S., Murakami, Y. Deformation parameters in single steel wire-copper matrix composites 9—57055
Ochiai, Y., Brittain, J.O. Anomalous electrical resistivity in CoGa intermetallic compounds 9—99531
Ochiai, Y. *see* Kudo, H. 9—99330
Ochiana, G. *see* Barna, A. 9—81098
Ochkin, N.N. *see* Avtonomov, V.P. 9—59687

Ochkin, V.N., Savinov, S.Yu. Measurement of gas temperature in glow discharge from electronic-vibrational-rotational spectra of molecules 9−55558
Ochkur, A.P. *see* Gimanov, V.P. 9−87902
Ochs, A., Rucker, F. Measurement of precipitation scatter occurring along the SIRIO propagation path 9−84336
Ochs, A.L. Is Fourier analysis performed by the visual system or by the visual investigator 9−53089
Ochs, H.T., III Moment-conserving techniques for warm cloud microphysical computations. II. Model testing and results 9−58031
Ochs, H.T., III, Yao, C.S. Moment-conserving techniques for warm cloud microphysical computations. I. Numerical techniques 9−58030
Ochsenfeld, M.M. *see* Ling, G.N. 9−62213
Ochsenfeld, W., Bleyl, H.-J. Experiences with the test facility MILLI for reprocessing nuclear fuel 9−89470
Ockels, W.J. *see* Chmielewska, D. 9−93960
Ockels, W.J. *see* De Voigt, M.J.A. 9−75903, 9−93549
Ockendon, H. Channel flow with temperature-dependent viscosity and internal viscous dissipation 9−94721
Ockendon, J.R. *see* Crowley, A.B. 9−69228
Ockers, S.T. *see* Berger, A.S. 9−65217
Ocko, M. *see* Adam, S. 9−57006
Ocko, M. *see* Stubicar, M. 9−57085
O'Clair, C. *see* Greskovich, C. 9−61543
O'Connell, B., Crumpton, D. Microanalysis of fluorine in microcracked chromium plate by proton induced prompt photon emission 9−79351
O'Connell, J.S. *see* Dressler, E.T. 9−89292
O'Connell, R.F. Effect of the proton mass on the spectrum of the hydrogen atom in a strong magnetic field 9−59387
O'Connell, R.F. *see* Barker, B.M. 9−93025
O'Connell, R.J. *see* Hager, B.H. 9−70777
O'Connell, R.M., Carr, P.H. Progress in closing the lithium niobate-ST cut quartz piezoelectric coupling gap 9−56055
O'Connell, R.M., Carr, P.H. New materials for surface acoustic wave devices 9−56735
O'Connell-Bronin, A.A. *see* Lushchik, Ch.B. 9−87483
O'Connor, C.J., Deaver, B.S., Jr., Sinn, E. Crystal structures of $A_2FeCl_5.H_2O$ ($A=Rb^+,Cs^+$) and field dependent superconducting susceptometer measurements 9−73717
O'Connor, D. *see* Willem Monster, A. 9−62389
O'Connor, D.A. *see* Darlington, C.N.W. 9−61276
O'Connor, D.V. *see* Ware, W.R. 9−50064
O'Connor, J. *see* Giboni, K.L. 9−89204
O'Connor, P., Tauc, J. Photoinduced optical absorption in amorphous Si_xGe_{1-x}:H 9−82973
O'Connor, P.B. *see* Pearson, A.D. 9−50462
O'Connor, T.P. *see* Renner, W.D. 9−100711
Octavio, M., Skocpol, W.J. Microwave response of superconducting variable-thickness microbridges 9−82717
Octavio, M. *see* Aponte, J.M. 9−56443
Oda, A. *see* Miyagawa, H. 9−66093
Oda, H. Lateral structure function of the energy density of electrons in a cascade shower 9−66900
Oda, H. *see* Kitajima, T. 9−62702
Oda, H. *see* Sugihara, T. 9−58207
Oda, J., Yamazaki, K. On a technique to obtain an optimum strength shape by the finite element method. Application to the problem under body force 9−98665
Oda, M. Possible X-rays from MXB1730−333 9−84868
Oda, M., Liller, W. Novalike object in Centaurus 9−62935
Oda, M., Miyamoto, S., Ogawara, Y., Makishima, K., Peterson, L.E., Pelling, R.M., Paciesas, W.S. A balloon-borne X-ray telescope 9−80220
Oda, M. *see* Ishida, S. 9−85278, 9−89120
Oda, N. *see* Maihara, T. 9−80351, 9−80352
Oda, S. *see* Yamanaka, C. 9−82070
Oda, T. *see* Doering, D.L. 9−91829
Oda, T. *see* Morita, N. 9−81558
Oda, Y., Fujii, G., Nagano, H. Proximity of Cu clad Nb and Cu clad NbTi wires 9−60996
Oda, Y., Fujii, G., Nagano, H. Thermometry below 1K using proximity effect of superconductors 9−85139
Oda, Y. *see* Tanaka, Y. 9−59000
Odabasi, H. Regularities in ionization potentials 9−49950
Odagaki, T., Ogita, N., Matsuda, H. Percolation approach to the metal-insulator transition in super-critical fluid metals. II. Quantal percolation approach 9−56129
Odagaki, T., Yonezawa, F. Analytic properties of the homomorphic cluster coherent potential approximation 9−90929
Odagaki, T. *see* Yonezawa, F. 9−90930
Odagiri, S. *see* Minami, K. 9−50858
Odajima, A. *see* Kumazaki, K. 9−73161
Odajima, A. *see* Yamane, S. 9−100450
Odajima, K. *see* Ohasa, K. 9−64906
Odak, S., Pathak, G.R., Machwe, M.K. Fluorescence polarization spectrum of rhodamine B 9−98139
Odaka, T. Radial oscillations of a multi-layered elastic sphere and theoretical seismograms. Effects of surface layers on waveform of P waves 9−66640
Odaka, T. *see* Osada, Y. 9−69970
Odaka, T. *see* Shiota, S. 9−82707
Odanaka, T. *see* Sagara, N. 9−57992
Odarich, V.A., Ruban, V.A., Gul'chuk, P.F. Spectra of the refractive index of solid solutions of yttrium iron garnet with yttrium gallium garnet 9−73894
Odawara, K. *see* Toriyama, K. 9−90533
Odawara, O., Okada, I., Kawamura, K. High-dilution diffusion of K^+, Rb^+ Cs^+, and Tl^+ in the molten system (Li-K)NO_3 studied by wave-front-shearing interferometry 9−60535
Oddou, C. *see* Brun, P. 9−62324
Oddou, C. *see* Flaud, P. 9−66587
O'Dea, J.J. *see* Dillard, J.W. 9−79325
Odegaarden, R.H. History and application of SCALE system to nuclear criticality reviews 9−63774
Odegard, M. *see* Malahoff, A. 9−53331
Odegard, M.E. *see* Estill, R.E. 9−62467
Odeh, F. *see* Liniger, W. 9−69632
Odelius, H. *see* Hehenkamp, T. 9−60552
Odell, A.P. Possible polarization effects in the β Cephei stars 9−84807
O'Dell, C.R. *see* Fountain, W.F. 9−53869
O'Dell, C.R. *see* Swamy, K.S.K. 9−96969
O'Dell, E.W. *see* Walling, J.C. 9−72573
Odell, J.A. *see* Keller, A. 9−70034
O'Dell, K. *see* Malm, W.C. 9−66842
O'Dell, R.D., Walters, W.F. Analysis of three-dimensional hexagonal-Z systems using THREETRAN (hex,z) 9−80994
O'Dell, R.D. *see* Walters, W.F. 9−59134
O'Dell, S.L. *see* Roberts, D.H. 9−80364
O'Dell, T.H. Domain wall mass in magnetic bubble films under large in-plane fields 9−95618
Oden, D.R. *see* McNair, G.W. 9−85724
Oden, J.T. Existence theorems for a class of problems in nonlinear elasticity 9−75341
Oden, J.T., O'Leary, J. Some remarks on finite element approximations of crack problems and an analysis of hybrid methods 9−64585
Odesskii, D.A., Vozdvizhenskii, V.M., Postnova, A.D., Livanova, R.P. Effect of vanadium on the ductility of nickel-free ferritic stainless steel 9−79048
Odeurs, J. *see* Reintsema, S.R. 9−82896
Odewahn, S. *see* Barnes, T. 9−80330
Odian, A. *see* del Papa, C. 9−49528
Odian, A.C. *see* Hill, D.G. 9−71744
Odin, I.N. *see* Sher, A.A. 9−87622
Odin, J. *see* Berton, A. 9−87271
Odinaev, A. *see* Achilov, B.M. 9−96423
Odinev, N.N. *see* Pevnev, A.K. 9−79792
Odinokii, V.L. *see* Grigor'ev, N.A. 9−68769
Odins, J.A. *see* Merrick, N.P. 9−74839
Odintsov, A.I. *see* Korolev, F.A. 9−55161
Odintsov, V.I. *see* Korolev, F.A. 9−98443
Odintsov, V.I. *see* Vokhnik, O.M. 9−50351
Odintzova, G.A., Striganov, A.R. The spectrum and energy levels of the neutral atom of boron (B I) 9−59386
Odishariya, M.G. *see* Entov, V.M. 9−81960
Odnorozhenko, L.F. *see* Krivusha, Yu.V. 9−52164
Ododo, J.C. Low-field susceptibility of PtFe alloys 9−73698
Odoni, W., Ott, H.R. The thermal conductivity of $ErRh_4B_4$ between 0.05 and 4K 9−60967
O'Donnell, C.M., Suffin, S.C. Fluorescence immunoassays 9−79693
O'Donnell, J. *see* Cross, K.B. 9−69996
O'Donnell, J.E. *see* Mabey, D.R. 9−84307
Odori, T. *see* Yokoyama, A. 9−53228
Odulov, S. *see* Kondilenko, V. 9−50250
Odulov, S. *see* Markov, V. 9−94194
Odulov, S.G. *see* Belabaev, K.G. 9−51635, 9−69556
Odulov, S.G. *see* Kukhtarev, N.V. 9−86136, 9−86137, 9−86205
Odutola, J.A., Dyke, T.R., Howard, B.J., Muenter, J.S. Molecular beam electric deflection study of ammonia polymers 9−72371
Odzijewicz, A. *see* Lisiecki, W. 9−97239
Oe, K., Kano, H., Ando, S., Sugiyama, K. GaInAsP/InP optical sources for 1.2-1.4 μm wavelength region 9−90023
Oe, K. *see* Tsubaki, K. 9−78879
Oechsner, H., Ruhe, W., Stumpe, E. Comparative SNMS and SIMS studies of oxidized Ce and Gd 9−90856
Oechsner, H. *see* Stumpe, E. 9−95041
Oeder, R. *see* Hofstaetter, A. 9−99957
Oegerle, W.R. *see* Weiler, E.J. 9−80301
Oehlberg, R.N., Falotico, R., Hagrman, D. Better estimate consequences of a PWR hypothetical LOCA 9−89435
Oehlberg, R.N. *see* Duffey, R.B. 9−89425
Oehlberg, R.N. *see* Falotico, R.N. 9−89436
Oelert, W., Chung, W., Betigeri, M., Djaloeis, A., Mayer-Boricke, C., Turek, P. Ground-state alpha-transfer spectroscopic factors of sd-shell nuclei 9−93509
Oelert, W., Djalocis, A., Mayer-Boricke, C., Turek, P. Four-nucleon pickup from ^{14}N 9−63679
Oelert, W. *see* Chiou, M.S. 9−93660
Oelert, W. *see* Djaloeis, A. 9−89319
Oelgart, G. Avalanche multiplication of electron-beam excited carriers in GaP p-n junction 9−69587
Oelgart, G. *see* Berger, H. 9−65206
Oelgart, G. *see* Stegmann, R. 9−60687, 9−82517
Oelhafen, P., Liard, M., Guntherodt, H.-J., Berresheim, K., Polaschegg, H.D. Photoemission (XPS, UPS) studies of Pd-Si metallic glasses 9−74062
Oelhafen, P. *see* Greuter, F. 9−87566
Oemler, A., Jr., Tinsley, B.M. Type I supernovae come from short-lived stars 9−88692
Oemler, A., Jr. *see* Kirshner, R.P. 9−88731
Oers, W.T.H.van *see* van Oers, W.T.H.
Oertel, H. The effect of rotation on stationary cellular convection 9−81904
Oertel, H. *see* Hornung, H.G. 9−50752
Oertel, H., Jr. *see* Buhler, K. 9−55368
Oertzen, W.von *see* von Oertzen, W.
Oeschler, H., Harney, H.L., Hillis, D.L., Sim, K.S. On the determination of the reaction cross section from elastic scattering 9−97720
Oesper, D.A. *see* Beavers, W.I. 9−71072
Oesterle, B. Distribution of concentration in a gas-solid flow. Origin and influence of lift forces 9−50769
Oesterreicher, H., Bittner, H., Shuler, K. Hydride formation of rare earths under water vapor 9−91997
Oesterreicher, H., Parker, F.T. A new model system for the occurrence of magnetic order in the pseudobinary region of nonmagnetic binaries: $YMn_{2-x}Co_x$ 9−99689
Oesterreicher, H., Parker, F.T., Misroch, M. Giant intrinsic magnetic hardness in $SmCo_{5-x}Cu_x$ 9−91255
Oestreicher, F. *see* Gobl-Wunsch, A. 9−91405
Oetting, E.R. *see* Andrews, R.A. 9−67990
Oetting, E.R. *see* Tummillo, A.F. 9−68006
O'Fallon, J.R. *see* Ratner, L.G. 9−67608
O'Fallon, N.M. *see* Duffey, D. 9−96401
O'Farrell, M.J. *see* Simmons, J.A. 9−83807
Offenhartz, P.O'D. Chemically driven heat pumps for solar thermal storage 9−57476
Offermann, R., Glockle, W. Three nucleon observables with meson theoretical interactions 9−67676
Offret, S. *see* Joong Keun Park 9−83368
O'Flynn, M. *see* Wagner, J.A. 9−100801
Ogai, M., Yanagawa, H., Kamikura, Y., Mogami, K., Seikai, S., Murata, H. Multifiber splicing using slippery fiber holder 9−50471
O'Gallagher, J. *see* Collares-Pereira, M. 9−62105, 9−62112
O'Gallagher, J. *see* Goodman, N.B. 9−62069
O'Gallagher, J.J. *see* Collares-Pereira, M. 9−62104
O'Gallagher, J.J. *see* Ipavich, F.M. 9−58198
Oganessian, Y.T. *see* Flerov, G.N. 9−96781
Oganessian, Yu.Ts. *see* Kalpakchieva, R. 9−93673
Oganessyan, A.G. *see* Avakyan, V.V. 9−49564
Oganesyan, A.A. *see* Avakyan, R.O. 9−59051
Oganesyan, A.V. *see* Kazaryan, R.A. 9−92591
Oganesyan, M.A. *see* Avakyan, R.O. 9−59051
Oganesyan, O.V. *see* Vitovskii, N.A. 9−56228, 9−73216
Oganesyan, R.Kh., Vartanyan, K.V. Ultraviolet spectrophotometry of a group of hot stars in Perseus 9−88653
Oganesyan, Yu.Ts. *see* Orlova, O.A. 9−97740
Oganyan, L.O. *see* Atoyan, V.V. 9−91893
Ogarev, V.A. *see* Arslanov, V.V. 9−96280
Ogarev, V.A. *see* Topolkaraev, V.A. 9−65139
Ogasawara, M., Shimizu, K., Yoshida, K., Kroh, J., Yoshida, H. On the spectral shift of trapped electrons in glassy alcohols irradiated at 4.2K 9−78709
Ogasawara, N., Nakamura, K., Tanaka, S. The pressure effect on the CDW-transition and the transport properties of $TiSe_2$ 9−99550
Ogasawara, T. *see* Kubota, Y. 9−65599
Ogata, A., Ninomiya, H. Optimal feedback control of plasma parameters in a Tokamak 9−64891
Ogata, H., Fujioka, K., Nakayama, W., Sato, S. Thermal design of a cryogenic rotor for a 50 MVA superconducting generator 9−58710
Ogata, T. *see* Fumuro, F. 9−62705, 9−67748
Ogata, Y. *see* Osada, Y. 9−69970
Ogawa, E. *see* Shima, M. 9−90519
Ogawa, H., Omata, H., Itoh, I., Okada, H. Auger electron spectroscopic and electrochemical analysis of the effect of alloying elements on the passivation behavior of stainless steels 9−74292
Ogawa, H., Yamada, T., Kumamoto, Y., Sato, Y., Hiramoto, T. Status report on the NIRS-CHIBA isochronous cyclotron facility 9−54649
Ogawa, H. *see* Nishio, M. 9−99449
Ogawa, H. *see* Tanaka, K. 9−96063
Ogawa, H. *see* Tsuda, S. 9−83587
Ogawa, I. *see* Newhall, D.H. 9−88973
Ogawa, K., Aoki, H., Nakatani, I. De Haas-van Alphen γ oscillation for the symmetry direction [001] in lead−origin of the long beat and the shape of the third zone electron arm 9−90944

Ogawa, K., Weller, D.R. Experimental optical data link 9—90034
Ogawa, K. *see* Aoki, H. 9—69395
Ogawa, K. *see* Ikeda, H. 9—58967
Ogawa, K. *see* Ishihara, K. 9—88309
Ogawa, K. *see* Shimomura, K. 9—61569
Ogawa, K. *see* Shin, S. 9—78675
Ogawa, M., Nosaka, A., Shiraishi, H., Ishigure, K., Oshima, K. ESR study on dicarboxylic acids irradiated with low-energy electrons 9—95646
Ogawa, M. *see* Kleinheinz, P. 9—49571
Ogawa, M. *see* Suzuki, T. 9—61412
Ogawa, N. *see* Shimada, M. 9—87596
Ogawa, S. Magnetic properties of 3d transition-metal dichalcogenides with the pyrite structure 9—78373
Ogawa, S. *see* Nishihara, Y. 9—91260
Ogawa, S. *see* Shioyama, T. 9—78241, 9—82692
Ogawa, T. Cluster approximation for an infinite-dimensional determinant 9—80503
Ogawa, T., Higo, M. Analysis of the translational energy distribution of H* produced in the e-H_2 collision 9—98234
Ogawa, T., Sakamoto, A., Ehyshima, K. Excitation of a radial mode vibration in a conductive ferrite disk due to an alternative current flowing through the disk 9—69708
Ogawa, T., Yasuhara, M., Hujita, A., Kozai, K., Kawamoto, H. Balloon measurements of Schumann resonances 9—79919
Ogawa, T. *see* Iida, Y. 9—56736
Ogawa, T. *see* Morita, M. 9—64909
Ogawa, T. *see* Nakagawa, K. 9—55243
Ogawa, T. *see* Nara, S. 9—64983
Ogawa, T. *see* Ohta, T. 9—55112
Ogawa, T. *see* Yabuzaki, T. 9—89757
Ogawa, T. *see* Yoshimura, J. 9—52099
Ogawa, Y. Temperature and switching characteristics of the Si diode for the modulation of CO_2 laser 9—81467
Ogawa, Y., Oide, K., Hirakawa, H. Electromechanical tuning of resonant antennas for gravitational radiation 9—97290
Ogawa, Y., Shindo, M., Kikuchi, M. Piping cracks in JPDR. III. Metallurgical examination of cracks in stainless steel pipe 9—67849
Ogawa, Y. *see* Futamura, Y. 9—66204
Ogawa, Y. *see* Ito, H. 9—59843
Ogawa, Y. *see* Takano, M. 9—97822
Ogawa, Y. *see* Yamashita, T. 9—87199
Ogawara, T. *see* Matsuo, K. 9—72965
Ogawara, Y. *see* Oda, M. 9—80220
Ogbonna, C.C. *see* Koshy, J. 9—95018
Ogborn, J. Modern physics curricula in higher education 9—62953
Ogborn, J. Revolution in the natural sciences curriculum 9—71167
Ogbuji, L.U., Mitchell, T.E., Heuer, A.H. Discussion of 'Microstructural characterization of 'REFEL' (reaction-bonded) silicon carbides' 9—100093
Ogden, C. *see* Tench, D. 9—61777
Ogden, C.A. *see* Raleigh, D.O. 9—100512, 9—100513
Ogden, P.M. *see* Reynolds, R.J. 9—53866
Ogden, R.W. Nearly isochoric elastic deformations: volume changes in plane strain 9—50596
Ogelman, H.B. *see* Hartman, R.C. 9—71105
Ogg, J.S. *see* MacBain, J.C. 9—81822
Ogg, M. *see* Brandelik, R. 9—63491, 9—93441
Oggenfuss, A. *see* Heinrich, F. 9—69899
Ogi, K. *see* Mori, N. 9—100130, 9—100150
Ogielski, A., Townsend, P.K. A note on the relativistic point particle 9—63026
Ogilvie, A.E.J. *see* Bell, W.T. 9—74929
Ogilvie, G.J., Ogilvy, I.M. A heat treatment process using the tungsten-inert gas arc 9—96209
Ogilvie, K.W., Scudder, J.D. First results from the six-axis electron spectrometer on ISEE-1 9—58200
Ogilvy, I.M. *see* Ogilvie, G.J. 9—96209
Ogimoto, K., Johnston, G.W. Modal radiation impedances for semi-infinite unflanged circular ducts including flow effects 9—72738
Oginets, O.V. *see* Bagaev, S.A. 9—54954
Ogino, K., Taimatsu, H. Effect of oxygen on the surface tension of liquid nickel and the wettability of alumina by liquid nickel 9—99398
Ogino, K. *see* Kim, Y.B. 9—99301
Ogino, K. *see* Kubo, K. 9—94886
Ogino, K. *see* Kubota, K. 9—69275
Ogino, K. *see* Kumabe, I. 9—89264
Ogino, K. *see* Sakamoto, N. 9—54389
Ogino, M., Harada, J. The resolution of the precession camera 9—49313
Ogino, M. *see* Ohuchi, F. 9—83065
Ogino, O. *see* Asmai, N. 9—76135
Ogino, T., Aoki, M. Photoluminescence in P-doped GaN 9—78730
Ogino, T. *see* Arata, Y. 9—49262
Oginskas, A., Cesnys, A., Shiktorov, N. Effect of the electrode material on switching in high-resistance layers in zinc selenide 9—65549
Ogishima, A. *see* Sakurai, T. 9—81423
Ogita, N. *see* Odagaki, T. 9—56129
Ogiwara, H. Laser Doppler velocimeter with a differential photodiode array 9—76743
Ogiwara, K. *see* Kamitsubo, H. 9—54662
Ogiwara, K. *see* Wada, T. 9—54614
Ogiwara, Y. *see* Ohnuma, T. 9—55496
Ogiyama, H., Tsukuda, H., Soyama, Y., Tamura, I. Fatigue behaviors of austenite-ferrite two phase iron alloy 9—79091
Ogloblin, A.A. *see* Baldin, A.M. 9—72125
Ogloblin, V.A. *see* Boguslavskii, L.I. 9—69770
Ogloblya, V.I. *see* Lozovoi, V.I. 9—95191
Ogluzdin, V.E. *see* Isakov, I.M. 9—72595
Ognev, R.K. *see* Bezruchko, V.P. 9—96137
Ogneva, E.M. *see* Zlobintsev, G.M. 9—82574, 9—91019
Ogneva, T.A. Diurnal variations of evaporation from land surfaces 9—57987
Ogneva, V.K. *see* Akhumyan, A.A. 9—89878
Ogorelec, Z. Superionic conductors 9—55923
Ogorelec, Z. *see* Vucic, Z. 9—55924
Ogorodnik, K.Z. Relation between measured and theoretical characteristics of molecular orientation ordering in a nematic 9—60273
Ogorodnik, K.Z. Solid crystalline polymorphism of mesogenics. A Raman spectroscopy study 9—82964
Ogorodnikov, D.D., Samoilov, I.M., Solntsev, A.M. Search for fractionally charged particles in large samples of matter 9—88341
Ogorodnikov, V.A., Sivak, I.O. Dependence of plasticity of metals on plastic strain gradient 9—57048
Ogorodnikov, V.K. *see* Andrukhiv, M.G. 9—91076
Ogram, G.L., Jen-Shih Chang, Hobson, R.M. The triple-probe method applied to the direct display of plasma parameters in a supersonic flowing continuum plasma 9—60191
Ogren, H. *see* Polvado, R. 9—63543
Ogren, H.O. *see* Polvado, R.O. 9—58983
Ogston, A.G., Michel, C.C. General descriptions of passive transport of neutral solute and solvent through membranes 9—83717
Oguchi, A. *see* Nobuki, M. 9—61727
Oguchi, H., Funabiki, K., Sato, S., Maeno, K. An experimental study on CO_2 gasdynamic laser by means of non-diaphragm shock tubes 9—76661
Oguchi, H. *see* Abe, T. 9—98758
Oguchi, S. *see* Masaki, S. 9—100603
Oguchi, T. *see* Okamoto, S. 9—87265
Oguma, M. *see* Kubo, T. 9—57083
Oguntke, M. Quasi-analogue display for electronic clocks 9—49207
Ogura, H., Nakazato, C., Kondo, M., Sawai, T., Sawai, Ta. Effect of gamma radiation on silica gel. III. Dependence of hydrogen adsorbed and color center formation on aluminum contents 9—69156
Ogura, H. *see* Nakayama, J. 9—55271
Ogura, I. *see* Nagashima, S. 9—82477
Ogura, J. *see* Kuriyama, I. 9—99239
Ogura, K. *see* Fujita, T. 9—89793
Ogura, K. *see* Kubo, S. 9—68647
Ogura, K. *see* Ohji, K. 9—61706
Ogura, K. *see* Tagawa, T. 9—51007
Ogura, M. *see* Ikoma, T. 9—86799
Ogura, S. *see* Hajimoto, Y. 9—78655
Ogura, S. *see* Harris, M. 9—83047
Ogura, S. *see* Yamazaki, S. 9—74237
Ogura, T. *see* Masuda, M. 9—56232
Oguro, M., Higashi, A. Formation of edge dislocation dipoles in ice single crystals by heat treatment 9—99203
Ogurtsov, I.Y., Kazantseva, L.A. On the theory of scattering of fast electrons by Jahn-Teller molecules 9—89784
Ogurtsov, I.Ya., Shaparev, Yu.V., Bersuker, I.B. Rotational Raman scattering of light by spherical-top molecules in electronically degenerate or pseudo-degenerate states 9—72322
Ogurtsov, Yu.N. *see* Sukonkina, E.A. 9—57809
Ogurtsova, L.A. *see* Gorobchenko, V.S. 9—87484
Ogurtsova, N.N. *see* Belov, S.N. 9—86628
Ogusu, K., Kawakami, S., Nishida, S. Optical strip waveguide: an analysis 9—50378
Oguztoreli, M.N., Stein, R.B. Interactions between centrally and peripherally generated neuromuscular oscillations 9—62232
Oh, B.Y. *see* De Clercq, C. 9—89188
Oh, B.Y. *see* Pratap, M. 9—63512
Oh, B.Y. *see* Ward, C.P. 9—75803
Oh, C.B. *see* Drimer, J. 9—85742
Oh, C.H. Singularities and sources of static gauge fields 9—49401
Oh, I., Bourne, R.B., Harris, W.H. Optimum fixation of bone cement in total hip replacement 9—79688
Oh, I., Bourne, R.B., Harris, W.H. Bone-cement interface pressures in different femoral components of total hip replacement 9—79692
Oh, I. *see* Rothe, R.E. 9—63748
Oh, K.P. A diffusion model for fatigue crack growth 9—72860
Oh, S. *see* Anderson, J. 9—54646
Oh, S.H. *see* Brick, D. 9—58980
Oh, S.H. *see* Kim, Y.S. 9—89099
Oh, S.K., Kwan Kim, J. $U_A(1)$ symmetry and flavor mixing 9—93355
Oh, S.K., Lee, M.H. High-temperature fluctuation expansions for the spin-S XY model on the FCC lattice: A study of spin dependence 9—95596
Oh Byung-Wan *see* Byung-Wan Oh
Oh Keun Bae *see* Keun Bae Oh
Oh Se H. *see* Se H. Oh
O'Hagan, J.B. *see* Bickes, R.W., Jr. 9—86592
O'Halloran, T. *see* Atiya, M.S. 9—80831
O'Halloran, T. *see* Coteus, P. 9—63468
O'Handley, R.C., Chou, C.-P., DeCristofaro, N. High-induction low-loss metallic glasses 9—87289
O'Handley, R.C., Narasimhan, M.C. Low-field magnetic properties of wide Fe-Ni metallic glass strips 9—51822
O'Handley, R.C., Narasimhan, M.C., Sullivan, M.O. Magnetostriction of $F_{100-x}B_x$ glasses 9—73792
O'Handley, R.C. *see* Hasegawa, R. 9—73774
Ohanessian, H. *see* Fetiveau, M. 9—56727
Ohanessian, P., Charters, W.W.S. Some design considerations for Trombe-Michel wall system 9—62143
Ohanessian, P., Charters, W.W.S., Taylor, L.E. Computer simulation of a solar boosted air source heat pump 9—57414
Ohanian, V. *see* Ungewickell, E. 9—96514
O'Hanlon, H. *see* Brunet, P. 9—72052
O'Hanlon, H. *see* Fischer, C. 9—68003
O'Hanlon, H. *see* Risselada, T. 9—72119
O'Hanlon, J.F. Turbomolecular pumps for high gas flow applications 9—80632
O'Hara, C. *see* Whatmore, R.W. 9—99825
O'Hara, D. *see* Inn, E.C.Y. 9—58014
O'Hara, F.A. *see* Pobereskin, M. 9—49819
Ohara, H. *see* Iwasaki, T. 9—92247
Ohara, H. *see* Murakami, A. 9—96120
O'Hara, M.J. *see* Clarke, D.B. 9—88318
O'Hara, M.R. *see* Brimm, J.E. 9—70673
Oharek, F. *see* Laikin, M. 9—86246
Ohasa, K., Maeda, H., Yamamoto, S., Nagami, M., Ohtsuka, H., Kasai, S., Odajima, K., Kimura, H., Sengoku, S., Shimomura, Y. Origin of metal impurities in DIVA 9—64906
Ohasaka, T. *see* Yoshida, T. 9—74393
Ohashi, A. *see* Nakagawa, T. 9—83739
Ohashi, A. *see* Shimokawa, H. 9—91062
Ohashi, K., Takagi, H., Tsunashima, S., Uchiyama, S., Fujii, T. Magnetic aftereffect due to domain wall motion in amorphous Tb-Fe sputtered films 9—73780
Ohashi, M., Iwasaki, T., Wakabayashi, S., Takida, K. Statistical analysis of strong-motion acceleration records 9—62459
Ohashi, M. *see* Kamigaki, K. 9—61183
Ohashi, M. *see* Kaneko, T. 9—51488
Ohashi, N. *see* Konishi, M. 9—83232
Ohashi, S. *see* Matsushima, S. 9—61800
Ohashi, S. *see* Umrigar, P.P. 9—91613
Ohashi, S. *see* Yoza, N. 9—87890
O'Haver, T.C. Derivative and wavelength modulation spectrometry 9—79317
Ohayon, M. *see* Bibet, D. 9—54641
Ohayon, R. Homogenisation by mixed asymptotic expansions. Harmonic vibrations of a periodic heterogeneous ring 9—50621
Ohayon, R. *see* Morand, H. 9—55333
Ohba, K., Itoh, T. Light attenuation technique for void fraction measurement in two-phase bubbly flow. I. Theory 9—50779
Ohba, K., Itoh, T. Light attenuation technique for void fraction measurement in two-phase bubbly flow. II. Experiment 9—50780
Ohba, K., Itoh, T., Yuhara, T. Light attenuation technique for void fraction measurement in two-phase bubbly flow. III. Effect of some parameters on accuracy of measurement 9—50781
Ohba, T., Ishizuka, A., Kobayashi, A., Iguchi, S., Nagao, H. Computer-based radionuclide analyzer system 9—81100
Ohba, T. *see* Kitano, Y. 9—94957
Ohba, Y. *see* Iwama, N. 9—82062
Ohbayashi, K. *see* Kojima, K. 9—82972
Ohbu, Y. *see* Nagasaka, M. 9—86882
Ohbuchi, Y., Sakurai, Y., Takahashi, Y. A digital force transducer using multi-aperture ferrite core 9—93133
Ohde, R.N., Sharf, D.J. Relationship between adaptation and the percept and transformations of stop consonant voicing: effects of the number of repetitions and intensity of adaptors 9—86307
Ohdomari, I. *see* Ho, P.S. 9—78186
Ohdomari, I. *see* Petersson, S. 9—82471
Ohe, S. *see* Sawaragi, Y. 9—57535
Ohe, T. *see* Ichikawa, Y.H. 9—62990
Oheda, H. The exponential absorption edge in amorphous Ge-Se compounds 9—99902
Ohga, T., Arai, T. Turbomolecular pumping systems for nuclear fusion devices in JAERI 9—49837
Ohgaku, T., Takeuchi, N. Mechanism of aggregation of divalent impurities in alkali halide mixed crystals 9—60394
Ohgo, K., Satoh, A., Mizuno, T., Itoh, T. Relation between cutting conditions and precision in the reaming of gray iron castings 9—61801
Ohgushi, K., Kamiya, Y. The octave enlargement phenomenon and its origin 9—100633
Ohgushi, K. *see* Fukushima, K. 9—66474

Ohhata, Y., Shinoki, F., Yoshida, S. Optical properties of r.f. reactive sputtered tin-doped In_2O_3 films 9—91515
Ohi, K., Kimura, M., Ishida, H., Kakinuma, H. Phase transition in $Sr_2Nb_2O_7$ at 215°C 9—56744
Ohi, K. *see* Kawamura, Y. 9—65515
Ohi, M., Akimoto, Y. Profile measurements of methane saturated absorption using a methane-stabilized laser spectrometer 9—98446
Ohira, F., Itakura, M. Characterization of Si surface by ellipsometry 9—90853
Ohira, T. *see* Tsutsumi, M. 9—99691
Ohji, K. J-integral applied to fracture problems 9—81817
Ohji, K., Ogura, K., Harada, S., Adachi, Y., Irie, S. Fatigue crack growth behaviors of explosively-bonded and roll-bonded clad steel plates 9—61706
Ohji, K. *see* Kubo, S. 9—68647
Ohkami, Y., Likins, P. Eigenvalues and eigenvectors for hybrid coordinate equations of motion for flexible spacecraft 9—75085
Ohkami, Y. *see* Kobayashi, A. 9—93107
Ohkawa, F.J. Theory of shallow donor states in silicon. Substitutional donors 9—65403
Ohkawa, S., Nakajima, Y. Thermal oxidation of arsenic-diffused silicon 9—61758
Ohkawa, S. *see* Kitahara, K. 9—99576
Ohkawa, S. *see* Komeno, J. 9—100056
Ohkawa, S. *see* Ozeki, M. 9—95360, 9—95818
Ohkawa, T. Experimental objectives and plans of Doublet III 9—49846
Ohke, S. *see* Fuke, S. 9—99448
Ohki, Y. *see* Aoki, N. 9—50986
Ohkubo, A. *see* Kikuta, Y. 9—52377
Ohkubo, K., Matsuura, K. Preliminary experiments of lower hybrid heating in tokamak plasma and JIPP T-11 9—86617
Ohkubo, K. *see* Katsube, T. 9—93222
Ohkubo, M. *see* Misumi, M. 9—50667
Ohkuma, T. *see* Yanagi, T. 9—63743
Ohkura, H. *see* Iwahana, K. 9—90989
Ohley, W., Kao, C., Jaron, D. Validation of a non-linear model of the arterial system 9—96600
Ohley, W. *see* Kao, C. 9—79594
Ohley, W.J. *see* Kuklinski, W.S. 9—96711
Ohlhaber, R.L. *see* Anderson, G.S. 9—94366
Ohlidal, I., Navratil, K., Lukes, F. The optical analysis of non-absorbing thin films with randomly rough boundaries by means of immersion spectrophotometry 9—75572
Ohlidal, I. *see* Navratil, K. 9—60644
Ohlig, U. *see* Brockmann, H. 9—67935
Ohlsen, G.G. Polarization effects in the 3-body system 9—80946
Ohlsen, G.G. *see* Schmelzbach, P.A. 9—75966
Ohlsson, D. On the stability of low frequency current driven modes in the boundary layers of gas insulated plasmas 9—98909
Ohm, H. *see* Kratz, K.-L. 9—93559
Ohman, B. New task for the telecommunication authority—national measurement standards for time and frequency 9—75503
Ohman, Y. Plane grating as polar heliostat in eclipse observations of the chromosphere and prominences with special application to studies of Doppler-widened Thomson-scattered Fraunhofer lines 9—84674
Ohmasa, M., Tomeoka, K., Sadanaga, R. The modulated structure of $Cu_3Bi_7S_9$ 9—99147
Ohmer, M.C., Lang, J.E. Unidentified acceptors in silicon and germanium 9—78033
Ohmer, M.C. *see* Vora, H. 9—95808
Ohmi, T. *see* Kawamoto, H. 9—73356
Ohmi, T. *see* Nakahara, M. 9—65276
Ohmi, T. *see* Yamamoto, H. 9—65384
Ohmichi, H. *see* Imachi, K. 9—84018
Ohmichi, T., Takeshita, H., Nasu, S., Sasayama, T., Maeda, A., Miyake, M., Sano, T. Mass spectrometric study of the evaporation of $LiCrO_2$ as a corrosion product in the compatibility experiment of Li_2O pellets with Fe-Ni-Cr alloys 9—73301
Ohmine, I. *see* Tanaka, T. 9—66373
Ohmori, K. *see* Katsumata, S. 9—58847, 9—93232
Ohmori, K. *see* Tsuya, N. 9—83151
Ohmori, N. *see* Kitajima, T. 9—62702
Ohmori, S. *see* Ohnuma, T. 9—55496
Ohmori, S. *see* Takeuchi, T. 9—66435
Ohmori, S. *see* Tsuda, M. 9—88146
Ohmori, Y. *see* Edahiro, T. 9—59811
Ohmori, Y. *see* Horiguchi, M. 9—81520
Ohmori, Y. *see* Kawashima, K. 9—80973
Ohmura, Y. Galvanomagnetic effect for holes and the valence band in (001) silicon on sapphire 9—91166
Ohmura, Y. *see* Flores, F. 9—95364
Ohnami, M., Sakane, M. A study on creep-fatigue interaction of polycrystalline metals at elevated temperature (especially, based on the crack behaviors) 9—52334
Ohnari, I., Takada, S. Central peak and thermal diffusion mode near structural phase transition. Hydrodynamical approach 9—60468
Ohnemus, B. *see* Jost, K. 9—59570
Ohnesorge, W.F. *see* Fulmer, C.B. 9—54606
Ohnishi, K., Befu, M., Ushirokawa, A. The effects of Si-SiO_2 interface states on the memory characteristics of thin-oxide MNOS devices 9—82681
Ohnishi, S. *see* Shiosaki, T. 9—86269
Ohnishi, T. Nuclear synthetic processes in supernova inner shells 9—62860
Ohno, A. *see* Mizuta, Y. 9—60111
Ohno, H. *see* Ayano, T. 9—51003
Ohno, K. Effect of volume relaxation on trapped hydrogen ESR in γ-irradiated 6 mol dm^{-3} sulfuric acid glassy ice 9—52703
Ohno, K. A study of excited-state molecular vibrations of aromatic hydrocarbons 9—85947
Ohno, K. Normal coordinate calculations of benzenoid hydrocarbons. Classification and characterization of aromatic planar vibrations in polyacenes 9—98065
Ohno, K. *see* Matsuki, K. 9—91286
Ohno, K. *see* Tatewaki, H. 9—81158
Ohno, M., Wendin, G. A many-body calculation of 3p XPS and Auger spectra for Zn 9—49995
Ohno, M. *see* Kakuta, A. 9—79295
Ohnuki, S. *see* Hoyano, A. 9—55516
Ohnuki, S. *see* Ohnuma, T. 9—55496
Ohnuma, H. *see* Kishida, N. 9—54434
Ohnuma, S. *see* Hojvat, C. 9—72102
Ohnuma, T. Penetration of localized radio frequency fields through an inhomgeneous magnetoplasma 9—94782
Ohnuma, T., Ohmori, S., Ohnuki, S., Adachi, S., Fujita, T., Hirayama, K., Ogiwara, Y. Three-dimensional propagations of electron Bernstein waves 9—55496
Ohnuma, T. *see* Hoyano, A. 9—55516
Ohrn, Y., Linderberg, J. Characteristics of the consistent ground state of the random phase approximation 9—59346
Ohsaka, T., Yamaoka, S., Shimomura, O. Effect of hydrostatic pressure on the Raman spectrum of anatase (TiO_2) 9—61384
Ohsawa, A. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Ohsawa, A. *see* Ohta, I. 9—49905
Ohsawa, M. *see* Suetaka, W. 9—63310
Ohse, R.W. *see* Bradbury, M.H. 9—55880
Ohshima, E. *see* Maruyama, K. 9—63484
Ohshima, H. *see* Ikeda, C. 9—90058
Ohshima, K., Harada, J. Diffuse X-ray scattering study from disordered binary alloys 9—95176
Ohshima, K. *see* Kashihara, Y. 9—55679
Ohshima, K. *see* Tanaka, N. 9—95030
Ohshima, M., Hayashibe, S., Kawamura, N., Itoh, Y., Fujioka, M., Ishimatsu, T. Magnetic moment of the 2140.2 keV 5^- state in ^{136}Ba 9—59009
Ohshima, N. Hemorheological effects of mechanical factors on blood cell damage in extracorporeal circulation: significance of sub-hemolytic trauma 9—62280
Ohshima, S., Fukamichi, K., Wakiyama, T., Anayama, T. Magnetic first-order phase transition in Bi-modified Mn_2Sb 9—51777
Ohshio, M., Kidokoro, T. Variation in the WWV, 15 MHz field strength received at Hiraiso during low solar activity and the application of the result to radio disturbance warning services 9—53650
Ohshiro, Y. *see* Sato, K. 9—54648
Ohshita, A., Shimoyama, H., Maruse, S. Brightness of the hot cathode electron gun at high emission densities 9—71566
Ohsuzu, F. *see* Kondo, M. 9—53230
Ohta, A. *see* Kobayashi, S. 9—87986
Ohta, E., Sakata, M. Energy levels and degeneracy ratios for magnesium in n-type silicon 9—90993
Ohta, E. *see* Kim, C.-S. 9—69528
Ohta, I., Mizutani, K., Kasahara, K., Kobayashi, T., Mikumo, E., Mito, I., Ohsawa, A., Sato, K., Torii, S., Tsujikawa, M., Uchida, S., Yuda, T., Takahashi, Y. Characteristic curves of photographic material used in emulsion chambers 9—49905
Ohta, I. *see* Akashi, M. 9—63562
Ohta, I. *see* Fumuro, F. 9—62705
Ohta, K. *see* Ito, K. 9—83973
Ohta, M., Hisatsune, K., Yamane, M. Age hardening of Ag-Pd-Cu dental alloy 9—87646
Ohta, M., Nagai, K., Hatakeyama, K. A system theoretical approach to the sound and vibration environment. I. A unified theory of evaluating the sound shielding characteristics of N-fold walls and its experimental confirmation 9—90082
Ohta, M., Okita, T., Hatakeyama, K. A new trial to estimate the noise propagation characteristics of a traffic noise system and its application 9—53000
Ohta, M., Okita, T., Hatakeyama, K., Yoshino, N. A methodological trial to the systematic evaluation and control of urban environmental noise 9—88033
Ohta, M., Tsutsumi, M., Ueno, S. Observations of etch pits on as-grown faces of brushite crystals 9—73169
Ohta, M., Yamada, M., Sakakibara, A., Kanadani, T. Effects of the fluctuation of solute concentration in Al-10 wt.%Zn alloy in ageing at low temperature 9—57023
Ohta, M., Yamaguchi, S., Hiromitsu, S. Poly-frequency spectral analysis for the road traffic noise based on the filtered Poisson process model (theory and simulation experiment) 9—52998
Ohta, S., Sawada, Y. Evaporation and condensation in ^3He-^4He mixture system 9—51366
Ohta, S., Sawada, Y. Evaporation and condensation mechanism in ^3He-^4He mixture systems 9—65283
Ohta, S., Sawada, Y. Experimental and theoretical studies of evaporation and condensation mechanism in ^3He-^4He mixture systems 9—77858
Ohta, S. *see* Nishimura, J. 9—80218
Ohta, S. *see* Yajima, N. 9—80227
Ohta, T., Fujio, M., Kawasaki, K. Effects of the gravitational field on the surface roughening transition 9—58645
Ohta, T., Jasnow, D. XY model and the superfluid density in two dimensions 9—95242
Ohta, T., Kashiwagi, T., Tsunoda, S., Ogawa, T. Theoretical analysis of two transitions with a common upper level in a Zeeman laser 9—55112
Ohta, T., Murakami, F., Tsunoda, S., Kashiwagi, T. Simultaneous oscillation at 0.63 μm and 3.39 μm of a HeNe laser with Brewster windows in the magnetic fields 9—68381
Ohta, T. *see* Deki, K. 9—55153
Ohta, T. *see* Kawasaki, K. 9—77759
Ohta, Y., Sakaguchi, M. Improved A-O modulator for wideband laser recording system 9—89942
Ohta, Y., Song, S.H., Groom, A.C., Farhi, L.E. Is inert gas washout from the tissues limited by diffusion? 9—84069
Ohta, Y. *see* Goto, N. 9—88304
Ohta, Y. *see* Suzuki, K. 9—93131
Ohta, Y. *see* Yamamizu, F. 9—62457
Ohtaka, K. Energy band of photons and low-energy photon diffraction 9—78795
Ohtani, A., Onodera, A., Kawai, N. Pressure apparatus of split-octahedron type for X-ray diffraction studies 9—49246
Ohtani, F. *see* Katsube, T. 9—93222
Ohtani, K., Kinoshita, S. On a method for synthesizing the artificial earthquake waves by using the prediction error filter 9—62630
Ohtani, N. *see* Hagi, H. 9—52313, 9—95220
Ohtani, N. *see* Nagoya, T. 9—70224
Ohtani, N. *see* Sawamoto, A. 9—70121
Ohtani, R. *see* Taira, S. 9—83303
Ohtani, T. *see* Sakamoto, Y. 9—82778
Ohtani, Y., Takamura, J. Grip effect and bend gliding in the uniaxial tensile deformation of FCC crystals 9—52314
Ohtomo, N. *see* Matsumoto, T. 9—50974
Ohtou, Y. *see* Takagi, S. 9—54601
Ohtsu, J., Kashiwagi, M. An unusual VLF noise event observed at Sakushima on September 29, 1978 9—101031
Ohtsu, J. *see* Hasegawa, M. 9—84586
Ohtsu, M., Koyama, R., Kusnowo, A., Tako, T. Development of a frequency-offset-locked He-Xe laser at 3.51 μm 9—98400
Ohtsu, M., Koyama, R., Tako, T. Improvements in the long-term frequency stability of the He-Xe laser at 3.51 μm 9—98401
Ohtsu, M., Tako, T. Measurement of the width of the inverted Lamb dip in H_2CO at 3.51 μm 9—54915
Ohtsubo, H. *see* Arima, A. 9—85549
Ohtsubo, H. *see* Bazant, Z.P. 9—57355
Ohtsubo, H. *see* Koshigiri, K. 9—54409
Ohtsubo, J. The time-space cross-correlation of speckle patterns under illumination of double-crossed laser beams 9—81363
Ohtsuka, H. *see* Ohasa, K. 9—64906
Ohtsuka, H. *see* Yamada, R. 9—65124
Ohtsuka, K. *see* Kanayama, H. 9—57512
Ohtsuka, Y., Imai, Y. Partial coherence controlled by a progressive ultrasonic wave 9—76581
Ohtsuka, Y., Imai, Y. Diffraction spectrum of light transmitted by a superimposed ultrasonic wave and diffuser 9—89848
Ohtsuka, Y. *see* Tanaka, K. 9—78644
Ohtsuki, T. *see* Mitaku, S. 9—55432, 9—98676
Ohtsuki, Y.H. *see* Tamura, E. 9—73073
Ohu, M. *see* Hirokawa, K. 9—99015
Ohuchi, F., Ogino, M., Holloway, P.H., Pantano, C.G., Jr. Effect of electron beam on glass surface analysis by AES 9—83065
Ohwada, K. Force constants of angle deformation in triatomic molecules 9—98239
Ohya, K. Strength of parity-violating nucleon-pion interactions 9—71653
Ohya, K. *see* Karino, T. 9—97565
Ohya, K. *see* Kohmoto, O. 9—99743
Ohya, S. *see* Tamura, T. 9—75818
Ohya, Y. *see* Nozawa, T. 9—51802
Ohyabu, N., Hsieh, C.L., Jensen, J.H. Merging Tokamaks 9—60166
Ohyama, T. *see* Nakata, H. 9—60722
Ohyama, T. *see* Sumitomo, H. 9—74419
Ohyu, K. *see* Miyao, M. 9—69132
Ohzu, H. *see* Kawara, T. 9—79547
Oi, S. *see* Imamura, T. 9—94869

Oi, T., Kakihana, H. Theory of chromatographic separation of isotopes. IV. Meaning of chromatographic diffusion coefficient in heterogeneous chromatography 9—50147

Oi, T., Kakihana, H., Nomura, T. Theory of chromatographic separation of isotopes. III. Analysis of non-displacement chromatography 9—50146

Oi, T. *see* Kotera, N. 9—99594

Oi, T. *see* Takayama, S. 9—73775, 9—95965

Oide, K. *see* Ogawa, Y. 9—97290

Oie, S., Takeuchi, R. Sound radiation from a surface of porous material 9—68474

Oie, S., Takeuchi, R. Some considerations on acoustical properties of porous plate 9—81590

Oien, A.H. Kinetic equation for an electron gas (non-neutral plasma) in strong fields and inhomogeneities 9—72986

Oiglane, H. *see* Mannik, R. 9—71743

Oikawa, H., Yasuda, A. Redetermination of internal stress during creep of Al-5.5 at.% Mg alloy at high temperatures 9—91749

Oikawa, S. *see* Kurokawa, T. 9—55235

Oikawa, S. *see* Tsubota, H. 9—63655

Oikawa, T. *see* Fujii, K. 9—60207, 9—99014

Oike, K. Seismic activity and crustal movement on the Yamasaki fault in southwest Japan 9—57872

Oimura, K., Moritani, A., Nakai, J. Electroreflectance of anodized n-GaAs MOS 9—99901

Oiringel, I.M. *see* Kleiman, E.B. 9—98028

Oishi, J. *see* Kim, Y.-C. 9—91000, 9—91990

Oishi, M. *see* Kitadate, K. 9—57193

Oishi, Y., Ando, K., Tsuruga, K., Matsumoto, M. Phase relations in the UO_{2+x}-ThO_2-MgO system in air 9—74137

Oishi, Y., Nanba, M. Analysis of interdiffusion in organic binary solutions with molecular association 9—55912

Oishi, Y. *see* Ando, K. 9—90821

Oitmaa, J., Betts, D.D. Zero temperature properties of the S=1/2 Heisenberg Antiferromagnet and XY ferromagnet in three dimensions 9—61032

Oitmaa, J., Ho-Ting-Hun, J. The critical exponent γ for the three-dimensional Ising model 9—93051

Oitmaa, J. *see* Plischke, M. 9—61138

Oja, E. *see* Cooper, L.N. 9—83772

Ojalvo, I.U. *see* Gralnick, S.L. 9—93824

Ojeda-Castaneda, J. The modulation contrast microscope. I. Influence of the numerical aperture 9—55063

Ojeda-Castaneda, J. Edge filters for phase contrast imagery. I. Theoretical design 9—86250

Ojeda-Castaneda, J., Moya, J., Rodriguez, G. Effective transfer function of thin phase objects under partially coherent illumination 9—55064

Ojeda-Castaneda, J. *see* Guel-Sandoval, S. 9—59652

Ojha, K.P., Surender, Ch. Experience in the commissioning and maintenance of control instrumentation at Rajasthan atomic power station 9—89455

Ojha, S.M. The deposition of cermet films from a powder target by r.f. sputtering 9—78890

Ojha, S.M., Norstrom, H., McCulluch, D. The growth kinetics and properties of hard and insulating carbonaceous films grown in an RF discharge 9—99458

Ojha, S.M. *see* Holland, L. 9—83139

Ojha, S.P., Tiwari, P. Cross section for the excitation of helium by protons 9—94070

Ojha, S.P. *see* Srivastava, K.P. 9—51144

Ojima, I. *see* Kugo, T. 9—54256, 9—54263

Ojima, I. *see* Nakanishi, N. 9—80492

Ojima, K., Hirokawa, T. The relationship between dislocation density and crystal width in white tin single crystals 9—100045

Ojima, K. *see* Hirokawa, T. 9—60371

Ojima, T. *see* Kohmoto, O. 9—99743

Ojo, A. Entropy in Heisenberg ferromagnets 9—65635

Ojringel', I.M. *see* Kaplan, S.A. 9—88727

Ok Lee Chin *see* Chin Ok Lee

Oka, E.Y., Soma, Y. Measurement of microwave field distribution by a scattering technique using phase modulation 9—85151

Oka, K., Unoki, H., Sakudo, T. Growth of single crystals of lead monoxide 9—100038

Oka, M., Taniguchi, Y. {332} deformation twins in a Ti-15.5 pct V alloy 9—79047

Oka, M. *see* Watanabe, Y. 9—99758

Oka, S., Tsuruta, O., Tahara, S. Monitoring instrument for NO_x in stack gas 9—57560

Oka, T. Determination of the electronic neutral-current couplins from e-d and e-p scattering in connection with the effects of sea components 9—97630

Oka, T., Kogoma, M., Imamura, M., Arai, S., Watanabe, T. Energy transfer of argon excited diatomic molecules 9—68305

Oka, T. *see* Arimondo, E. 9—98056

Oka, T. *see* Avery, L.W. 9—92817

Oka, T. *see* Bernard, P. 9—59484

Oka, T. *see* Firestone, R.F. 9—52667

Oka, T. *see* MacLeod, J.M. 9—92822

Oka, T. *see* Takami, M. 9—68261

Oka, Y., Cardona, M. Resonance Raman scattering of excitonic polaritons by LO and acoustic phonons in ZnTe 9—65879

Oka, Y., Takahashi, T., Okada, K., Iwai, S. Structural analysis of anodic alumina films 9—51452

Oka, Y. *see* Kitaoka, Y. 9—56625

Okabayashi, K. *see* Hirose, Y. 9—66214, 9—66215

Okabayashi, M. *see* Cohn, D.R. 9—71971

Okabayashi, M. *see* Jassby, D.L. 9—50898

Okabayashi, M. *see* Johnson, J.L. 9—82091

Okabayashi, M. *see* Nagai, H. 9—70223

Okabayashi, M. *see* Todd, A.M.M. 9—64846

Okabayashi, T. Quanta of non-Abelian gauge field can be transversal? 9—85217

Okabayashi, T. T*-product convention for quasi-linear systems and for transverse non-Abelian gauge fields 9—97498

Okabe, H., Ike, H. High temperature oxidation of Fe-14 Cr alloys with small additions of Al in wet oxygen 9—66223

Okabe, H. *see* Ike, H. 9—66222

Okabe, H. *see* Kichimi, H. 9—89207

Okabe, M., Mori, T. Recovery of work-hardening and low temperature creep in dispersion strengthened Cu alloys with rod shaped particles 9—83211

Okabe, N., Yano, T., Uchida, T., Mori, T., Tomimuro, S. Fatigue strength and reliability of fiber reinforced plastics subjected to repeated impact tensile load 9—61703

Okabe, S., Abe, Y. The structure of ^9Be by a molecular model. II 9—71788

Okabe, Y., Hojo, J., Kato, A. Formation of fine titanium carbide powders by a vapor-phase reaction 9—70030

Okabe, Y. *see* Nishimura, J. 9—80218

Okabe, Y. *see* Oku, M. 9—58646

Okada, C. *see* Kamada, K. 9—76576

Okada, H. *see* Matsuki, T. 9—71681

Okada, H. *see* Ogawa, H. 9—74292

Okada, I., Takagi, R., Kawamura, K. Internal cation mobilities in the molten systems (Li-Rb)NO_3 and (Li-Cs)NO_3 9—60534

Okada, I. *see* Odawara, O. 9—60535

Okada, J., Tuan, S.F. Unconfined heavy-fermion model of the upsilons? 9—93375

Okada, K., Ossaka, J., Iwai, S. Structure of dithallium tungstate (VI) 9—99136

Okada, K. *see* Aoki, Y. 9—67757

Okada, K. *see* Asada, O. 9—50859

Okada, K. *see* Baba, N. 9—97477

Okada, K. *see* Oka, Y. 9—51452

Okada, K. *see* Sakai, H. 9—93641

Okada, K. *see* Suzuki, I. 9—55814

Okada, M. *see* Atobe, K. 9—55788

Okada, M. *see* Belli, Y. 9—91810

Okada, M. *see* Chida, K. 9—55255, 9—59852

Okada, M. *see* Hashimoto, S. 9—65902

Okada, M. *see* Hiraoka, Y. 9—87685

Okada, M. *see* Sagawa, M. 9—87593

Okada, M. *see* Sato, K. 9—95248

Okada, M. *see* Shimomura, Y. 9—99242

Okada, M. *see* Terasaki, K. 9—52283

Okada, N., Yoshikawa, K. Nonlinear goal programming model of area-wide, multi-modal water utilization system 9—57518

Okada, O. Toroidal equilibria with z asymmetric cross section 9—82087

Okada, R. *see* Kido, Y. 9—74958

Okada, S. Generation of a fast alkali atomic beam by charge-transfer method for ion-pair formation studies 9—59555

Okada, S. Measurements of energy loss spectra in the ion-pair formation reaction for the K+HCl system 9—61849

Okada, S. Energy-loss studies on ion-pair formation reactions for the K+NO_2 system 9—91921

Okada, S.K. *see* Pong, W. 9—83103

Okada, T. ^{1}H-NMR spectra of poly(ethylene glycols) in the presence of shift reagent 9—99779

Okada, T., Maeda, M., Miyazoe, Y. Spectral narrowing of a flashlamp-pumped high-energy dye laser by two-stage injection locking 9—81450

Okada, T., Moriyama, S., Iwai, A. Development of a two-frequency direction finder for whistlers 9—53674

Okada, T. *see* Fukuda, T. 9—79908

Okada, T. *see* Inaki, Y. 9—52707

Okada, T. *see* Kurokawa, T. 9—55235

Okada, T. *see* Moriyama, S.-I. 9—100924

Okada, Y. *see* Muto, Y. 9—56406

Okagawa, A., Cox, R.G., Mason, S.G. The kinetics of flowing dispersions. XII. Some effects of nonuniform shear 9—96372

Okahara, K. *see* Kimura, M. 9—76838

Okajima, K. *see* Uchida, S. 9—87105

Okajima, S., Suzuki, I., Seya, K., Sumino, Y. Thermal expansion of single-crystal tephroite 9—60527

Okal, E.A. Higher-mode Rayleigh waves studied as individual seismic phases 9—62440

Okami, K. *see* Tsuda, S. 9—83587

Okamoto, A. *see* Takahashi, M. 9—83233

Okamoto, H., Hamakawa, Y. Statistical considerations on electronic behavior of the gap states in amorphous semiconductors 9—87098

Okamoto, H. *see* Asahi, H. 9—51450

Okamoto, H. *see* Hamakawa, Y. 9—100518

Okamoto, H. *see* Karasudani, T. 9—63174

Okamoto, H. *see* Kawamura, Y. 9—90896

Okamoto, K. Comparison of calculated and measured impulse responses of optical fibers 9—81517

Okamoto, K. *see* Fujiwara, H. 9—77967

Okamoto, K. *see* George, E.P. 9—94804

Okamoto, K. *see* Ikushima, A. 9—55972

Okamoto, M., Azumi, M., Takizuka, T., Fukuyama, A. Numerical simulation of lower hybrid wave propagation in a plasma 9—55541

Okamoto, M. *see* Frantiesek, P. 9—80972

Okamoto, M. *see* Fujii, Y. 9—83531

Okamoto, M. *see* Hamanoue, K. 9—79272

Okamoto, M. *see* Kobayashi, Y. 9—57741

Okamoto, M. *see* Yasuda, N. 9—91384

Okamoto, P.R., Lam, N.Q., Rehn, L.E., Potter, D.I. Segregation of alloy constituents during irradiation 9—55791

Okamoto, P.R., Rehn, L.E. Radiation-induced segregation in binary and ternary alloys 9—78970

Okamoto, P.R. *see* Lam, N.Q. 9—60351

Okamoto, P.R. *see* Potter, D.I. 9—77647

Okamoto, P.R. *see* Wiedersich, H. 9—77633

Okamoto, S., Ishikawa, T., Ono, I., Oguchi, T. Random ordered phase for the classical Heisenberg spins on a triangular cactus tree 9—87265

Okamoto, S., Shiozawa, K. Modelling and simulation of a practical air pollution model at signalized intersections 9—52987

Okamoto, S., Shiozawa, K. Validation of an air pollution model for the Keihin area 9—57528

Okamoto, S. *see* Yamada, S. 9—55044

Okamoto, S. *see* Yasuda, K. 9—83588

Okamoto, T. *see* Fujii, H. 9—65650, 9—75559

Okamoto, T. *see* Hashimoto, Y. 9—87242, 9—87243

Okamoto, T. *see* Mori, T. 9—78134

Okamoto, T. *see* Soga, N. 9—91819

Okamoto, T. *see* Takagi, T. 9—81939

Okamoto, Y. *see* Nishikawa, T. 9—96104

Okamoto, Y. *see* Watanabe, H. 9—82006

Okamoto, Y. *see* Yamaguchi, K. 9—88506

Okamura, K. *see* Matoba, M. 9—81456

Okamura, K. *see* Yajima, S. 9—74122

Okamura, S. *see* Shimizu, M. 9—101068

Okamura, Y. *see* Yamamoto, S. 9—76839

Okano, J. A proposal on the method of partial pressure measurements in a XHV range 9—71475

Okano, K. Photodecay processes of $J/\psi \to f\gamma$, $f'\gamma$ and so on, in relativistic harmonic oscillator model 9—89156

Okano, K., Murakami, J. Van der Waals dispersion force contribution to the interfacial free energy of nematic liquid crystals 9—99399

Okano, K., Wada, E., Kurita, K., Hiramatsu, H., Fukuro, H. Binary and ternary cluster integrals of polymer segments as determined by small angle neutron scattering 9—50975

Okano, K. *see* Kawase, Y. 9—63831

Okano, K. *see* Kizukuri, Y. 9—54327

Okano, K. *see* Mitaku, S. 9—55432, 9—98676

Okano, M., Izumo, K., Kumagai, H., Kodama, M. Environmental radiation measurements (the altitude dependence of cosmic-ray components in the atmosphere) 9—80144

Okano, M., Nagao, H. On the wrinkling of sandwich panels subjected to in-plane shear 9—68608

Okano, S., Iwasa, S., Suzuki, M., Hata, T. Acousto-optical effects in amorphous As_2S_3 9—82946

Okano, S. *see* Ishii, K. 9—87097

Okano, T. *see* Yasuda, M. 9—61783

Okano, Y., Nakagawa, K., Ito, T. The effect of intensity fluctuations in longitudinal modes of a laser on a high bit-rate optical transmission 9—68415

Okano, Y. *see* Izumi, Y. 9—79159

Okatova, O.V. *see* Lavrenko, P.N. 9—65232

Okawa, M. Covariant canonical quantization of massless Rarita-Schwinger field 9—97280

Okawa, M. *see* Nishijima, K. 9—93291

Okawa, M. *see* Seo, K. 9—85234

Okawara, R. *see* Boyer, D. 9—64047

Okazaki, H. *see* Edahiro, T. 9—59851, 9—59856

Okazaki, H. *see* Takahashi, T. 9—55676

Okazaki, K. Piezoelectric ceramic materials attain perfection 9—78628

Okazaki, K., Hirano, Y., Nagaya, K., Arakawa, K. Vibrations and bucklings of a circular plate with various constraints on its annular circle 9—98652

Okazaki, K., Kagawa, M., Aono, Y. Reply to further comments by Smith and Thorpe on 'Mobile dislocations during stress relaxation of an Fe-0.056 at.% Ti alloy' 9—74194

Okazaki, K., Kagawa, M., Conrad, H. Additional results on the electroplastic effect in metals 9—57067

Okazaki, K., Kagawa, M., Conrad, H. Effects of strain rate, temperature and interstitial content on the electroplastic effect in titanium 9—83279

Okazaki, K. *see* Ando, K. 9—94341

Okazaki, M. Analysis of pressure oscillation phenomena induced by steam condensation in containment with pressure suppression system. I. Model and analysis for experimental conditions and Marviken reactor 9—67878
Okazaki, M. *see* Koizumi, T. 9—83305
Okazaki, M. *see* Matsumoto, Y. 9—77245
Okazaki, M. *see* Tasaka, K. 9—81028
Okazaki, R., Aoki, K., Tsubaki, K., Iijima, T., Morita, A. Poly-carbonmonofluoride/lithium battery 9—83583
Okazaki, R. *see* Mack, R.N. 9—62473
Okazaki, S. *see* Nakamura, H. 9—61707
Okazaki, S. *see* Yamada, T. 9—92026
Okazaki, T., Okubo, S., Hoshino, Y., Fujii, K. Vector meson pole dominance in J/ψ decays into mesons 9—85295
Okazaki, T. *see* Abe, Y. 9—93377
Okda, J. Reflection of sound wave at the end of a pipe with fluid flow 9—68457
Oke, J.B., Lauer, T.R. An analysis of the spectra of the Seyfert galaxies Markarian 79 and I Zw 1 9—71103
Oke, J.B., Zimmerman, B. IUE and visual spectrophotometry of 3C 120 and Markarian 79 9—92856
Oke, J.B. *see* Boggess, A. 9—71149
Oke, J.B. *see* Greenstein, J.L. 9—53810
Oke, J.B. *see* Neugebauer, G. 9—62926
Oke, J.B. *see* Thuan, T.X. 9—71147
O'Keefe, D., Sugimura, T., Behrens, W., Bullock, D., Dee, D. Comparison of LAMP and BLAZER code calculations with TRW CL XV measurements 9—98350
O'Keefe, J. *see* Sofia, S. 9—84767
O'Keeffe, M. A proposed rigorous definition of coordination number 9—99085
O'Keeffe, M. Madelung potentials and the sizes of ions in oxides and nitrides 9—99105
O'Keeffe, T.W. *see* Adam, J.D. 9—82774
Okeke, C.E. *see* Pollak, F.H. 9—99562
O'Kelley, G.D. Problems associated with long-term storage and disposal of radionuclides in geological formations 9—93764
O'Kennedy, R. A mixing device designed to aid the dispersion of aqueous radioactive samples in scintillation cocktails prior to counting 9—93116
Okhlopkov, V.P. *see* Gelenkov, A.E. 9—80134
Okhmatovskii, G.V. *see* Grekova, G.V. 9—68969
Okhotnikov, B.P. *see* Gel'man, B.G. 9—66948
Okhotnikov, O.G. *see* Bogatov, A.P. 9—64230, 9—68394
Okhrimenko, B.A. Calculation of force constants for simple symmetric complexes and molecules 9—59435
Okhrimenko, B.A. *see* Belyi, M.U. 9—78753
Okhrimenko, G.M. *see* Pisarenko, G.S. 9—91763
Oki, K., Eguchi, T., Yamamura, A., Kudo, K. High temperature Mossbauer study of order-disorder transformation in iron-aluminum alloys 9—100137
Oki, K. *see* Sagane, H. 9—70042
Oki, S. A theoretical study on hot tearing in the shell-forming solidification 9—79062
Oki, Y. *see* Iriyama, J. 9—74878
Okiji, A. *see* Kasai, H. 9—78057
Okin, B.A. *see* Miller, P.R. 9—83676
Okino, T. *see* Fukehara, S. 9—97707
Okita, T. *see* Ohta, M. 9—53000, 9—88033
Okolowicz, J. *see* Bodek, K. 9—76015
Okon, O.B. *see* Dewanjee, M.K. 9—97655
Okonenko, S.A., Stefanovich, S.Yu., Kalinin, V.B., Venevtsev, Yu.N. New ferroelectric $Na_2Sc_2(PO_4)_3$ 9—69789
Okonov, E. *see* Aksinenko, V. 9—97713
O'Korn, L.J. *see* Freeland, R.G. 9—83542
Okorokov, A.I., Runov, V.V., Gukasov, A.G., Drabkin, G.M. Investigation of a magnetic phase transition by means of polarized neutrons 9—87257
Okorokov, A.I. *see* Toperverg, B.P. 9—65652
Okorokov, G.N. *see* Kats, Ya.L. 9—51202
Okoshi, T., Sasaki, K. Precise measurement of the impulse response of an optical fiber 9—55242
Okoshi, T. *see* Hotate, K. 9—55244
Okrainets, P.N., Pishchak, V.K. Influence of strain point on strength and substructure of copper and its alloys with aluminium and nickel 9—52233
Okrainets, P.N., Pishchak, V.K. A description of the 'deformation-strain' curves for polycrystalline metals with a FCC structure by using substructural parameters 9—87690
Okrainets, P.N., Pishchak, V.K. The influence of stress on structural changes at high-temperature creep of Cu+10 at.% Ni 9—96101
Okrainets, P.N. *see* Moiseeva, I.V. 9—78997
Okrasinski, R.J. *see* Kao, S.K. 9—84439
Okrent, D. *see* Baldewicz, W.L. 9—67866
Okrent, D. *see* Gossett, B. 9—49739
Okrent, D. *see* Lee, Y.T. 9—70757
Okrent, D. *see* Ting, Y.D. 9—93715
Okrent, D. *see* Ullman, A.Z. 9—89497
Oksanich, A.P., Babadzhanov, L.S. Thickness measures of single-crystal silicon 9—97351
Oksman, J. *see* Turunen, T. 9—58165
Oku, M., Okabe, Y. 1/n expansion up to order $1/n^2$. IV. Critical amplitude ratio R_x 9—58646
Okubo, H., Yoshida, K., Kaetsu, I. Preparation of Fresnel lens film by mold polymerization using electron beam irradiation 9—98515
Okubo, N., Abe, Y. Anomalies of ^{93}Nb and ^{35}Cl NQR in niobium pentachloride 9—99789
Okubo, N. *see* Iwase, M. 9—96013
Okubo, S. Quartic trace identity for exceptional Lie algebras 9—58897
Okubo, S., Hyo Chul Myung On the classification of simple flexible Lie-admissible algebras 9—75319
Okubo, S., Tosa, Y. Duffin-Kemmer formulation of gauge theories 9—97511
Okubo, S. *see* Okazaki, T. 9—85295
Okubo, T. *see* Shirasuna, Y. 9—66149
Okuda, H., Lee, W.W., Cheng, C.Z. Electrostatic and magnetostatic particle simulation models in three dimensions 9—64903
Okuda, H., Lin, A.T., Lin, C.C., Dawson, J.M. Splines and high order interpolations in plasma simulations 9—64902
Okuda, H. *see* Lee, W.W. 9—86574
Okuda, H. *see* Maihara, T. 9—80351, 9—80352
Okuda, H. *see* Sekiya, T. 9—100037
Okuda, J. *see* Yahata, N. 9—61708
Okuda, K. *see* Iwade, S. 9—91284
Okuda, K. *see* Nagata, K. 9—78508
Okuda, M., Tri Nang, T., Matsushita, T. Photo-induced absorption changes in selenium-based chalcogenide glass films 9—87519
Okuda, M. *see* Inoue, G. 9—59498, 9—66298
Okuda, M. *see* Matsushita, T. 9—87024
Okuda, M. *see* Nang, T.T. 9—91398
Okuda, M. *see* Tran Tri Nang 9—59773
Okuda, M. *see* Tuan, T.F. 9—53603
Okuda, N., Iwata, K., Shibayama, S., Asahina, K., Ushikubo, K., Kamiyama, Y. Image reconstruction processor for computerized tomographic scanner 9—100738
Okuda, R., Hamaguchi, C. Phonons echoes in piezoelectric powders of SiO_2, ADP, KDP, and Rochelle salt 9—51213
Okuda, S., Akimune, H. Surface erosion of metal molybdenum bombarded with energetic hydrogen or helium ions 9—85769
Okuda, S., Kimura, T., Akikune, H. Depth profiles of implanted H and He in metal Mo determined with backscattered protons 9—51136
Okuda, S. *see* Nakamura, M. 9—79140
Okuda, T. *see* Ando, K. 9—78119
Okuda, T. *see* Yamada, J. 9—55525
Okudaira, K. *see* Yoshimori, M. 9—80353
Okulov, S.M. *see* Ishchenko, S.S. 9—99763
Okulov, V.I., Ustinov, V.V. Surface scattering of conduction electrons and kinetic phenomena in metals 9—56210
Okuma, S. The sintering mechanism of aluminium and the anodization of aluminium sintered bodies 9—95964
Okuma, Y. *see* Sakamoto, N. 9—54389
Okumura, A. *see* Sato, M. 9—83833
Okumura, C. *see* Sawaragi, Y. 9—57516
Okumura, M., Okumura, Y. Phenomenology of conventional field theory in neutrino-nucleon reactions 9—54304
Okumura, M. *see* Suzuki, Y. 9—91462
Okumura, S. *see* Yokoyama, A. 9—53228
Okumura, Y. *see* Okumura, M. 9—54304
Okumusoglu, N.T., Blyth, C.O. A study of the $^2H(^3He,^4He)^1H$ reaction with a polarised ^3He beam at 27 and 33 MeV 9—89316
Okun', I.M. *see* Korneyeva, I.L. 9—92163
Okunevich, A.I. Dependence of the total inelastic collision cross section on the orientation and direction of relative motion of the colliding atomic particles 9—98213
Okunevskii, Yu.N. *see* Karpinos, D.M. 9—100297
Okuno, H. *see* Gatti, E. 9—76274
Okuno, H. *see* Maruyama, K. 9—63484
Okuno, H. *see* Walenta, A.H. 9—54743
Okuno, K. *see* Hyun Woo Kim 9—90869
Okuno, K. *see* Minowa, J. 9—50415
Okuno, Y. *see* Nishizawa, J. 9—95284
Okuno, Y. *see* Nonomura, Y. 9—60651
Okura, Y. *see* Abe, Y. 9—67850
Okusawa, T. *see* Kichimi, H. 9—89207
Okusawa, T. *see* Sugahara, R. 9—93454
Okushi, H. Carrier transport in p^+-ν junction based on relaxation semiconductors. I. Theory 9—60914
Okushi, H. Carrier transport in p^+-ν junction based on relaxation semiconductors. II. Experiment 9—65543
Okutani, T. *see* Kang, S.T. 9—95886
Okutani, T. *see* Suk Tai Kang 9—83089
Okutsu, E., Nomura, Y., Nakamura, Y. Suppression of beam excited ion-acoustic noise by an externally applied RF signal 9—77396
Okuwa, T., Nishimura, M., Miyazaki, H. Effect of solvent on ultrasonic relaxation due to rotational isomerism. I. Polar solvent 9—99275
Okuyama, F. Decarburization of monocrystalline ditungsten carbide as revealed by field electron microscopy 9—70368
Okuyama, F., Ishikawa, K. Principles and application of field ionization and field desorption mass spectrometry 9—66384
Okuyama, F., Shibata, T., Yasuda, N. Tungsten needles produced by decomposition of hexacarbonyltungsten 9—95302
Okuyama, K., Chiba, M., Kumagai, Y. Epitaxial and amorphous-crystalline phase transition growth of evaporated Te films 9—51449
Okuyama, K. *see* Kousaka, Y. 9—52782
Okuyama, M., Matsui, Y., Nakano, H., Nakagawa, T., Hamakawa, Y. Preparation of $PbTiO_3$ ferroelectric thin film by RF sputtering 9—100052
Okuyama, M., Matsunaga, N., Chen, J.-W., Milnes, A.G. Photoionization cross-sections and energy levels of gold, iron, platinum, silver, and titanium in silicon 9—87060
Okuyama, M., Yokoyama, K., Hamakawa, Y. An analysis of nonvolatile polarized memory of semiconductor-ferroelectric heterostructure junction 9—78164
Okuyama, M. *see* Iwasaki, T. 9—61888
Okuyama, M. *see* Nakagawa, T. 9—69780
Okuyama, M. *see* Sasai, Y. 9—87058
Okuyama, Y. *see* Aoki, K. 9—56135
Okwamoto, Y., Takayama, H., Shiba, H. Incommensurate-commensurate crossover in generalized one-dimensional Ginzburg-Landau fields 9—65170
Okyere, J.G., Cousin, A.J. The design of a high voltage SCR pulse generator for ultrasonic pulse echo applications 9—70290
Olah, G.A., Sommer, J. The superacids 9—74482
Olah, I. The static functioning of linear-movement transducers based on magnetic amplifier principles 9—67279
Olah, R. *see* Gavrilas, N. 9—68964
Olander, D.R. Separative performance transients in a gas centrifuge 9—67957
Olander, D.R. Separation of flowing gas mixtures by thermal diffusion 9—68755
Olander, D.R. Overview of fuel element design 9—85584
Olander, D.R. *see* Dooley, D. 9—93830
Olander, D.R. *see* Srivastava, A.K. 9—67923
Olander, N. *see* Richer, H.B. 9—71019
Olariu, N. *see* Hortopan, G. 9—72455
Olariu, S. *see* Collins, C.B. 9—59033
Olaussen, K. *see* Cheng, H. 9—63346
Olayi, G.A. A self-study programme in mathematics for undergraduates 9—80383
Olazcuaga, R. *see* Amara, M.B. 9—73143
Olbers, D.J. The spectral energy transfer from surface waves to internal waves 9—70812
Olbers, D.J. Weak coupling in statistical geophysical systems 9—80428
Olbert, S. *see* Scudder, J.D. 9—101041
Olbrich, G. *see* Bachler, V. 9—91918
Olbrich, H. *see* Haken, H. 9—62210
Olbrich, S. *see* Ionescu, V. 9—76261
Olcese, G.L. *see* Iandelli, A. 9—77569
Olchack, A.S. *see* Kalashnikov, N.P. 9—56879
Ol'chak, A.S. *see* Kalashnikov, N.P. 9—86819
Old, C.F., Nicholas, M.G. Liquid metal embrittlement 9—52421
Old, C.F., Trevena, P. Embrittlement of zinc by liquid metals 9—83375
Oldakowski, C.C., Wojtaszek, M.R. Multi-peak residual gas analysis monitor system 9—79342
Oldenborg, R.C. *see* Wampler, F.B. 9—64034
Oldenburg, D.W. One-dimensional inversion of natural source magnetotelluric observations 9—92479
Oldenburg, D.W., Samson, J.C. Inversion of interferometric data from cylindrically symmetric, refractionless plasmas 9—90459
Oldenburg, D.W. *see* Hughes, T.J. 9—58164
Oldenburg, J.T. *see* Cheung, P.W. 9—79494
Oldengarm, J. Laser Doppler techniques for flow measurement 9—68883
Oldershaw, A. *see* Wardlaw, N. 9—62485
Oldershaw, A.E. *see* Krause, F.F. 9—84259
Oldershaw, R.L. The atomic scale in a self-similar hierarchical cosmology 9—101230
Oldfield, F. *see* Appleby, P.G. 9—74916
Oldfield, F. *see* Bloemendal, J. 9—74915
Oldfield, J.W., Sutton, W.H. Crevice corrosion of stainless steels. II. Experimental studies 9—52414
Oldfield, M.L.G. *see* Wooster, W.G. 9—63204
Oldham, K.B. *see* Goto, M. 9—70339
Oldroyd, J.G., Duffy, B.R. Physical constants of a flowing continuum 9—60012
Oldroyd, P.W.J. The existence of lateral stresses in beams 9—98638
Olds, F.C. The impressive Super Phenix 9—93816
Oldyrev, P.P., Parfeev, V.M., Komar, V.I. A more precise definition of the method of determining the fatigue life of polymer materials from the reheat temperature 9—61724
Oldyrev, P.P. *see* Parfeev, V.M. 9—100256
Oleari, L. *see* Borromei, R. 9—95812
O'Leary, D., Millodot, M. The discrepancy between retinoscopic and subjective refraction: effect of light polarization 9—83764
O'Leary, D.P. *see* Furman, J.M. 9—100600
O'Leary, J. *see* Oden, J.T. 9—64585
Olefirenko, V.I. *see* Shorshorov, M.Kh. 9—79039
Olefjord, I. *see* Marcus, P. 9—100469
Oleinik, A.V. *see* Treushnikov, B.M. 9—97464
Oleinik, B.D. *see* Leont'ev, V.A. 9—96260

Oleinik, G.S., Tomashik, V.N., Mizetskaya, I.B. The ternary mutual system CdTe+ZnSe⇄CdSe+ZnTe 9−52179
Oleinik, G.S. *see* Pilyankevich, A.N. 9−52374, 9−60237
Oleinik, I.N. *see* Bass, F.G. 9−69663, 9−69725
Oleinik, L.N. *see* Lozhkin, V.N. 9−61308
Oleinik, N.V., Stakyan, M.G., Gasparyan, S.A. Design calculation of the endurance of shafts subject to cyclical bending loads and constant torsion 9−72831
Oleinik, V.I. *see* Babii, P.I. 9−73969
Oleinik, V.N. Construction of the sloping branches of fatigue curves 9−77018
Oleinik, V.P. Quantum electrodynamics without the vacuum state stability principle 9−49435
Oleinik, V.P. Influence of collective excitations on the nature of quantum scattering processes in an external electromagnetic field 9−93318
Oleinik, V.P. *see* Belousov, I.V. 9−56111
Oleinikov, A.Ya. *see* Aleksandrov, A.L. 9−93113
Oleinikov, N.N. *see* Mozhaev, A.P. 9−52141
Olejniczak, W., Rychtelski, A. Construction and main characteristics of the proportional chamber 500×500 mm² 9−97951
Olejnik, S. *see* Cerny, V. 9−71687, 9−93363
Olejnik, S. *see* Waskowska, A. 9−86776
Olekas, A.P. *see* Ashmontas, S.P. 9−56297
Oleksienko, M.M. *see* Somov, A.I. 9−100128
Oleksiuk, L. *see* Cline, D.B. 9−68004
Oleksiuk, L. *see* Herrmannsfeldt, W.B. 9−72138
Olenski, J.Z. Simplified relations for determining flat-band capacitance and impurity concentration in MOS structures 9−95497
Oles, A., Bombik, A. Diluted Cr-alloys and two-band model 9−56506
Oles, A.M., Morkowski, J. On the origin of localized magnetic states in transition metal alloys. II. Doubly degenerate orbitals 9−78311
Oles, A.M. *see* Morkowksi, J. 9−61049
Oles, A.M. *see* Spałek, J. 9−61036
Olesen, P. *see* Ambjorn, J. 9−58924
Oleshev, S.S. Load-bearing capacity of round plates reinforced by radial and circular ribs 9−98636
Oles'kiv, S.P. Removal of condensate from vacuum chambers 9−58752
Oleszkiewicz, S. *see* Porebski, S. 9−88981, 9−95498
Olhoff, N., Niordson, F.I. Some problems concerning singularities of optimal beams and columns 9−81802
Olier, R. *see* Clechet, P. 9−52696
Olijhoek, J.F. *see* Knoor, K. 9−51536
Oliker, V.E. *see* Zhornyak, A.F. 9−66025, 9−70013, 9−100077
Olikheiko, M.S. *see* Voitekhova, E.A. 9−86657
Olikhova, M.A. *see* Malinochka, Ya.N. 9−52191
Olimpiev, V.V. *see* Shchukin, V.K. 9−94608
Olin, A. *see* Sperry, W.C. 9−94111
Oliner, A.A. Waveguides for surface waves 9−50488
Oliner, A.A. Introduction [surface acoustic waves] 9−50519
Oliner, A.A. *(editor)* Acoustic surface waves 9−50518
Olinger, M., Cooper, D., Siegel, M. Implementation of a high resolution bloodflow imaging system using large time bandwidth product pseudo-noise sequences 9−57703
Oliva, G. *see* Gandini, A. 9−85712
Oliva, G. *see* Menapace, E. 9−85709
Oliva, J., Mateos, F., Pardo, M., Quintana, J.A. Photography. Influence of the variation of emulsion thickness on density 9−67401
Oliva, M. *see* Tejada, J. 9−73870
Oliva Florio, A. *see* Baragiola, R.A. 9−61482
Olivato, P.R., Viertler, H., Wladislaw, B., Sauvageau, P., Sandorfy, C. The far ultraviolet spectra of $CH_3SCH_2SCH_3$ and $CH_3SCH_2COCH_3$ 9−50037
Olive, D. The electric and magnetic charges as extra components of four-momentum 9−71603
Olive, D., Sciuto, S., Crewther, R.J. Instantons in field theory 9−71642
Olive, K.A. *see* Steigman, G. 9−84667
Oliveira, A.D.De *see* De Oliveira, A.D.
Oliveira, A.M. *see* Filho, J.B. 9−58989, 9−58992, 9−63561
Oliveira, C.G., Maia, M.D. Zorn algebra in general relativity 9−63101
Oliveira, C.P.de *see* de Oliveira, C.P.
Oliveira, F.F.De *see* De Oliveira, F.F.
Oliveira, L.C.S.de *see* de Oliveira, L.C.S.
Oliveira, N.F., Jr., Shapira, Y. Crossover behavior of the magnetic phase boundaries of isotropic antiferromagnets 9−78370
Oliveira, N.F., Jr. *see* Shapira, Y. 9−61128
Oliveira, Z.M. *see* Prussin, S.G. 9−67714
Oliveira-Castro, F.M.De *see* De Oliveira-Castro, F.M.
Oliver, B.A. *see* Lees, R.M. 9−64024
Oliver, B.F. *see* King, W.T. 9−61823
Oliver, C.J. *see* Brown, R.G.W. 9−50827
Oliver, D.R., Rao, S.S. Heat transfer to Newtonian liquids in laminar flow in straight horizontal elliptical tubes 9−94584
Oliver, G.C. *see* Ripley, K.L. 9−62391
Oliver, G.D., Jr. *see* Velkley, D.E. 9−62330
Oliver, G.J.H., Coggon, J.H. Crustal structure of Fiordland, New Zealand 9−88325
Oliver, G.L., Perdew, J.P. Spin-density gradient expansion for the kinetic energy 9−93917
Oliver, J. *see* Cohen, H. 9−66995
Oliver, J.D. *see* Mullica, D.F. 9−51065, 9−58855
Oliver, J.H. *see* Krause, M.O. 9−76383
Oliver, J.R. *see* Morin, F.J. 9−69285
Oliver, L. *see* Gavela, M.B. 9−49460, 9−85257
Oliver, M.J. *see* Cluley, A.P. 9−79980
Oliver, W.L., Jr. *see* Evans, J.V. 9−53597
Oliveri, E., Fiorella, O., Mangia, M. A multireading method for dosimetric TL measurements with $CaSO_4$:Dy phosphors 9−76154
Oliveri, E. *see* Castiglia, F. 9−71880
Olivier, J. *see* Szydlo, N. 9−78172
Olivier, M. *see* Aknin, J.P. 9−68001
Olivier, M. *see* Faure, J. 9−71985
Olivieri, E. *see* Bricmont, J. 9−49171
Olivo, M., Joho, W., Schryber, U. The design of an 860 keV pre-accelerator for the new SIN high current injector cyclotron 9−67975
Olivo, W. *see* Adam, S. 9−54674
Ol'khovik, L.P. *see* Mamalui, Yu.A. 9−91218
Ol'khovik, O.E. The optimum temperature condition for the solidification of polymers of a cross-linked structure subjected to adhesional contact 9−56972
Ol'khovik, O.E., Gol'dman, A.Ya. Creep of fluoroplastic in shear with application of hydrostatic pressure 9−57065
Ol'khovskii, M.V. *see* Zabudskii, I.P. 9−71513
Ol'khovskii, V.S., Prokopets, G.A. On the study of duration of collision processes based on the experimental data on the nuclear reaction cross sections 9−80942
Ol'khovskii, V.S. *see* Zaichenko, A.K. 9−63645
Ol'khovsky, K.J. *see* Basargin, Yu.G. 9−54628
Ol'kin, S.I. Accumulation of damages in stress concentration zones in alternating creep and fatigue 9−100261
Olkkonen, H. *see* Puumalainen, P. 9−88220
Olles, T. *see* Gallenberger, H. 9−87943
Ollier, H. *see* Ravier, J. 9−97878
Ollig, H. *see* Qaim, S.M. 9−88184
Ollivier, J. *see* Delisle, J.P. 9−97871
Olm, M.T. *see* Corrigan, D.A. 9−91288
Olmer, C., Zeidman, B., Geesaman, D.F., Lee, T.-S.H., Segel, R.E., Swenson, L.W., Boudrie, R.L., Blanpied, G.S., Thiessen, H.A., Morris, C.L., Anderson, R.E. Excitation of high-spin particle-hole states in ^{28}Si by pion inelastic scattering 9−93667
Olmer, C. *see* Geesaman, D.F. 9−85541
Olmer, C. *see* Ortiz, M.E. 9−67769
Olmi, A. *see* Berlanger, M. 9−67636
Olmi, A. *see* Lynen, U. 9−72202
Olmstead, M. *see* Tsang, W.T. 9−65333
Olmstead, W.E. *see* Horgan, C.O. 9−92939
Olnesss, J.W. *see* Warburton, E.K. 9−93553
Olofinskii, E.P. *see* Valyaev, N.I. 9−90229
Olofsson, V. *see* Spitzer, J.J. 9−65208
Olojo, E.O. *see* Reynolds, P.H. 9−62466
Olovsson, I. *see* Tegenfeldt, J. 9−77561
Olovyanishnikova, G.D. *see* Yevstigneyev, V.B. 9−53045
Olowolafe, J.O., Ho, P.S., Hovel, H.J., Lewis, J.E., Woodall, J.M. Contact reactions in Pd/GaAs junctions 9−56308
Olsen, A.R. *see* Cunningham, M.E. 9−93698
Olsen, A.R. *see* Selle, J.E. 9−93716
Olsen, C.E. *see* Kohn, S. 9−56695
Olsen, D.K., Morgan, G.L., McConnell, J.W. Absolute measurement of the $^7Li(n,n'\gamma)^7Li^*$ (0.478-MeV) cross section 9−67751
Olsen, E.H. Estimation of spectral classifications for bright southern stars with interesting Stromgren indices 9−88645
Olsen, G.H., Nuese, C.J., Ettenberg, M. Low-threshold 1.25-μm vapor-grown InGaAsP CW lasers 9−50308
Olsen, G.H., Nuese, C.J., Ettenberg, M. Reliability of vapor-grown InGaAs and InGaAsP heterojunction laser structures 9−98385
Olsen, G.H. *see* Fisher, D.G. 9−78832
Olsen, J.L. *see* Eckstein, S.G. 9−55984
Olsen, J.M. *see* Morfin, J.G. 9−71740
Olsen, J.N., Widner, M.M., Chang, J., Baker, L. Fuel preconditioning studies for e-beam fusion targets 9−81076
Olsen, J.O. Measurement of channel electron multiplier efficiency using a photoemission electron source 9−100016
Olsen, J.O., Andersen, T., Barat, M., Courbin-Gaussorgues, Ch., Sidis, V., Pommier, J., Agusti, J., Andersen, N., Russek, A. Excitation and charge transfer in low-energy Na^+-Ne collisions 9−68314
Olsen, J.O. *see* Andersen, N. 9−54955
Olsen, J.Ostgaard *see* Ostgaard Olsen, J.
Olsen, J.S. *see* Laursen, J. 9−51208
Olsen, J.Staun *see* Staun Olsen, J.
Olsen, L.C., Bohara, R.C., Barton, D.L. Vacuum-evaporated conducting ZnS films 9−66007
Olsen, M. *see* Hauschultz, M. 9−60816
Olsen, O.H. *see* Christiansen, P.L. 9−82725
Olsen, P.T. *see* Williams, E.R. 9−71674
Olsen, R.G., Hammer, W.C. Thermographic comparison of temperature probes used in microwave dosimetry studies 9−96521
Olsen, W.C. *see* Kitching, P. 9−67755
Olsen, W.S. *see* Rohde, D.F. 9−90086
Olshanetsky, B.Z., Shklyaev, A.A. LEED studies of vicinal surfaces of silicon 9−60611
Ol'shanskii, V.P. Bending of a shell of double curvature in the zone of an elliptical loading area 9−50593
Olshansky, R. Multiple-α index profiles 9−50371
Olshansky, R. Propagation in glass optical waveguides 9−90015
Ol'shevskii, A.A. *see* Mirotvorskii, V.S. 9−70021
Olson, C.G., Lunch, D.W. Thermomodulation of the aluminium $L_{2,3}$ absorption edge 9−91533
Olson, C.G., Lynch, D.W. Thermomodulation of the Li K core excitons in LiF 9−73968
Olson, C.L. IFA proof of principle experiments 9−72019
Olson, D.B. *see* Hagan, D.E. 9−79855
Olson, D.B. *see* Watts, D.R. 9−79872
Olson, D.L. *see* Berman, B.L. 9−54422
Olson, D.W. *see* Marchant, A.B. 9−71121
Olson, E., Bailyn, M. Internal structure of multi-component fluids 9−49135
Olson, E.C. An overview of computerized tomography 9−96662
Olson, H.G. The Fort St. Vrain high temperature gas-cooled reactor. I. Low power physics tests 9−67887
Olson, H.G., Brey, H.L. The Fort St. Vrain high temperature gas-cooled reactor. III. Helium circulator auxiliaries 9−67822
Olson, H.G. *see* Brey, H.L. 9−67821
Olson, H.G. *see* Stroh, K.R. 9−54474, 9−71884
Olson, J.M., Rosenberger, F. Convective instabilities in a closed vertical cylinder heated from below. II. Binary gas mixtures 9−72880
Olson, J.M., Rosenberger, F. Convective instabilities in a closed vertical cylinder heated from below. I. Monocomponent gases 9−77072
Olson, J.M. *see* Rosenberger, F. 9−91593
Olson, J.S., Killough, G.G. The biosphere as a source and/or a sink for carbon dioxide 9−88030
Olson, J.V., Samson, J.C. On the detection of the polarization states of Pc micropulsations 9−74966
Olson, J.V. *see* Davis, P.M. 9−92629
Olson, J.V. *see* Greenstadt, E.W. 9−53672, 9−75046
Olson, J.V. *see* Rostoker, G. 9−88552
Olson, K. *see* Motley, R.W. 9−64882
Olson, M.D., Hazell, C.R. Vibrations of a square plate with parabolically varying thickness 9−68628
Olson, M.D., Tuann, S.-Y. New finite element results for the square cavity 9−64764
Olson, M.L. *see* Konowalow, D.D. 9−89615
Olson, N.T. *see* Brown, W.F. 9−93806
Olson, R.E. Multiple-ionisation cross sections for highly stripped ions colliding with He, Ne and Ar 9−64091
Olson, R.E. Cross sections for alpha particles colliding with oxygen ions: loss of alpha heating in Tokamak plasmas 9−68936
Olson, R.E. Ionization cross sections for Rydberg-atom-Rydberg-atom collisions 9−81267
Olson, R.E., Liu, B. Interaction potential for the $X^1\Sigma$ state of Li^++Ar 9−50100
Olson, R.E. *see* Becker, C.H. 9−81255
Olson, R.E. *see* Salop, A. 9−76504, 9−76508
Olson, R.R., King, M.E., Wehner, G.K. Mass effects on angular distribution of sputtered atoms 9−87538
Olson, R.R., Wehner, G.K. Study of composition changes under ion bombardment in the scanning Auger microprobe 9−83076
Olson, T., Cook, L.M., Barron, C., Sahyouni, M. Recent advances in the production of graded-index fibers using phase-separable glasses 9−50465
Olson, W.H. *see* Siljenberg, D.W. 9−79675
Olsowski, W. The use of a constant-current source for resistance measurement 9−88974
Olsson, A. *see* Blit, S. 9−89924
Olsson, B. *see* Bernemyr, R. 9−55209
Olsson, G. *see* Grundevik, P. 9−63940
Olsson, G. *see* Gustavsson, M. 9−49971
Olsson, L.G. *see* Larsson, K.E. 9−51023
Olsson, L.R. *see* Fischmeister, H.F. 9−66020
Olszanski, T.W. *see* Mathers, J.P. 9−61966
Olszewski, S. Possible ferromagnetism of an electron pair in one dimension 9−61020
Olszyna, K., Cadle, R.D., dePena, R.G. Stratospheric heterogeneous decomposition of ozone 9−70850
Oltmans, S.J. *see* London, J. 9−84429
Olufeagba, B.J., Flake, R.H. Parallel shooting models for control of phosphorus in estuaries 9−57521
Olunloyo, V.O.S., Hutter, K. Forced vibration of a prestressed rectangular membrane: near resonance response 9−68611
Om Vats Hari *see* Hari Om Vats

Omaggio, J.P., Globe, M., Wigen, P.E., Mier, M.G. Two devices for non-optical characterization of full wafer magnetic bubble films 9—78461

Omaggio, J.P., Wigen, P.E. Effects of ion implantation on the uniaxial anisotropy energy of a magnetic bubble film 9—78476

Omaggio, J.P. *see* Mier, M.G. 9—78462

Oman, H. Solar cells for solar power satellites 9—96464

Omanchukovskaya, I.V. *see* Kondratenko, M.M. 9—73203

Omanov, Sh. *see* Alikov, B.A. 9—75919

O'Mara, B.J. *see* Ross, J.E. 9—50168

Omata, H. *see* Ogawa, H. 9—74292

Omata, I., Takahashi, H. An analysis of gas circulation in an HTGR containment 9—54561

Omata, K. *see* Hirao, Y. 9—72117

Omata, Y. *see* Adachi, K. 9—91253

Omdahl, A.L. *see* Baggenstoss, B.J. 9—57763

Omelaenko, A.S. *see* Gorbenko, V.G. 9—89171

Omel'chenko, A.Ya. *see* Grishaev, V.I. 9—73010

Omelik, A.I. Measurement of momentum transport to surfaces of different form in a hypersonic free-molecular stream 9—64704

Omelyanchouk, A.N. *see* Kulik, I.O. 9—60989

Omel'yanovskaya, N.M. *see* Atensio, A.A. 9—69578

Omel'yanovskii, E.M. *see* Lukicheva, N.I. 9—67287

Omel'yanovskii, E.M. *see* Petrovskii, V.I. 9—69579

Omero, C. *see* Barone, L.M. 9—80835

Omero, C. *see* Gava, E. 9—54020

Omero, C. *see* Ghirardi, G.C. 9—97241, 9—97242

Omichinski, G.M., Chaturvedi, M.C. Electron microscopy of deformation twins in a Co-Ni-Cr-Nb FCC alloy 9—60380

Omidvar, K. *see* Rule, D.W. 9—53676

Omodei, B.J. Computer solutions of a plane Newtonian jet with surface tension 9—64722

Omori, T. *see* Tamaki, Y. 9—63949

Omori, Y. *see* Edahiro, T. 9—59851, 9—59856

Omoto, C.K., Ching Kung The pair of central tubules rotates during ciliary beat in Paramecium 9—70536

Omoto, M., Tanaka, T., Kadokura, S., Inagaki, H. Evidence for the random-coupling structure of an anionically prepared block copolymer 9—64134

Omoto, O. *see* Nagatomo, T. 9—79393

Omukai, Y. *see* Yamane, T. 9—83584

Omura, T. *see* Kawai, E. 9—67565

Omura, Y., Corset, J., Moravie, R.M. Vibrational spectra and rotational isomerism of t-butyl formate 9—50016

Onabe, K. *see* Matsui, J. 9—99440

Onabe, K. *see* Takita, K. 9—65501

Onaka, R. Vacuum UV spectra of some ferroelectric materials 9—65900

Onaka, R. *see* Toyotomi, Y. 9—78516, 9—78762

Onaka, T. *see* Honda, M. 9—66965

Onaka, T. *see* Watanabe, T. 9—80307

Onaral, B. *see* Takashima, S. 9—79603, 9—100665

Onari, S., Arai, T., Aoki, R., Nakamura, S. Raman scattering in 3R-NbS_2 9—87449

Onatskii, Yu.M., Rotenberg, V.A. Automation of the SMTs-2 friction testing machine 9—70257

Oncescu, M. *see* Barna, A. 9—81098

Oncescu, M. *see* Cohen, J. 9—59313, 9—63881

Oncescu, M.C. Energy dependence of gamma photon backscattering 9—76316

Onchi, M. *see* Akimoto, K. 9—61795

Onchi, M. *see* Matsudaira, T. 9—52463, 9—95258

Onchi, T. *see* Kayano, H. 9—52304

Onda, K., Truhlar, D.G. SCF treatment of charge polarization effects in intermediate-energy electron scattering calculations with applications to N_2 9—50132

Onda, K. *see* Takano, K. 9—64206

Onderdelinden, D., Strackee, L. Remote sensing of NO_2 air pollution using an optical multi-channel analyser 9—79439

Onderdelinden, D. *see* van Egmond, N.D. 9—70825

Ondis, L.A., II *see* Candelore, N.R. 9—71912

Ondoh, T., Kotaki, M., Murakami, T., Watanabe, S., Nakamura, Y. Propagation characteristics of low-latitude whistlers 9—80078

Ondov, J.M., Ragaini, R.C., Biermann, A.H. Emissions and particle-size distributions of minor and trace elements at two western coal-fired power plants equipped with cold-side electrostatic precipitators 9—92108

Ondrechen, M.J., Ratner, M.A., Sabin, J.R. Electron transfer in fixed-nuclei systems: a comparison of propagator descriptions 9—97964

Ondrejcin, R.S., Rideout, S.P., Donovan, J.A. Control of stress corrosion cracking in storage tanks containing radioactive waste 9—70226

O'Neal, J.E. *see* Morgan, R.J. 9—91753

O'Neil, P., Ignatiev, A., Doland, C. The dependence of optical properties on the structural composition of solar absorbers: gold black 9—83630

O'Neil, R.R., Lee, E.T.P., Huppi, E.R. Auroral $O(^1S)$ production and loss processes: ground-based measurements of the artificial auroral experiment Precede 9—66855

ONeil, S.V. *see* Eberly, J.H. 9—54820

O'Neil, V.P., Alonas, P.G. Relation between oxide thickness and the breakdown voltage of a planar junction with field relief electrode 9—99608

O'Neill, A., Taylor, B.F. A study of the major stratospheric warming of 1976/77 9—79968

O'Neill, E.L. *see* Freniere, E.R. 9—71396

O'Neill, G., Wall, W.F. Torsion tests on steels used in the manufacture of high pressure vessels 9—61690

O'Neill, J.A., Pinnington, E.H., Donnelly, K.E., Brooks, R.L. A study of the beam-foil spectrum of iodine from 400 to 1300 Å 9—86059

O'Neill, J.A. *see* Kernahan, J.A. 9—49986

O'Neill, J.A. *see* Pinnington, E.H. 9—81173, 9—93964

O'Neill, J.H., Underhill, A.E., Toombs, G.A. Electrical conduction studies of a series of tetracyanoplatinum compounds 9—51582

O'Neill, M.E., Hill, D.P. Causal absorption. Its effect on synthetic seismograms computed by the reflectivity method 9—92486

O'Neill, M.E., Ranger, K.B. On the rotation of a rotlet or sphere in the presence of an interface 9—86494

O'Neill, M.E. *see* Dorrepaal, J.M. 9—77065

O'Neill, P. *see* Ignatiev, A. 9—52036

O'Neill, W.E., Suga, N. Target range-sensitive neurons in the auditory cortex of the mustache bat 9—83808

Onel, Y. *see* Chatelain, P. 9—75992

Ong, C.J., Price, F.P. Blends of poly(ε-caprolactone) with poly(vinyl chloride). I. Morphology 9—69019

Ong, C.J., Price, F.P. Blends of poly(ε-caprolactone) with poly(vinyl chloride). II. Crystallization kinetics 9—69020

Ong, C.L. Adding a horizontal gauge symmetry to the Weinberg-Salam model: An eight-quark model 9—71682

Ong, K.M. *see* Niell, A.E. 9—79722

Ong, K.S. Comparative performance testing of flat-plate solar water heaters 9—62062

Ong, N.P. *see* Dee, R.H. 9—56204

Ong, N.P. *see* Fuller, W.W. 9—82704

Ong, S.H., Jacobs, P.W.M. Thermal depolarization in crystals of $CaF_2:Na^+$, $SrF_2:Na^+$, and $BaF_2:K^+$ 9—82912

Ong, W., Manson, S.T. Dirac-Fock calculations of photoelectron angular distributions of the outer s shells of the noble gases 9—59411

Ong Tiong Hiap *see* Tiong Hiap Ong

Ongley, E.D. *see* Barendregt, R.W. 9—92552

Onillon, M. *see* Bonnet, J.P. 9—61791

O'Nions, R.K. *see* Carter, S.R. 9—66693, 9—100821

O'Nions, R.K. *see* Hamilton, P.J. 9—62469

Onishchenko, A.S. *see* Dukhovskoi, E.A. 9—87140

Onishchenko, A.V. *see* Malov, Yu.I. 9—60913

Onishchenko, E.L. *see* Antsyfrov, S.M. 9—53552

Onishchenko, N.Ya., Skvortsov, V.N., Chugunova, S.I. Microhardness and characteristic hardness of some refractory metals and their compounds 9—52376

Onishchuk, V.A. *see* Ovchinnikov, A.A. 9—97318

Onishi, G. Estimation of parameter for the plume model 9—79983

Onishi, G. Steady state atmospheric diffusion model. I. The flat surface 9—79984

Onishi, G. Steady state atmospheric diffusion model. II. The effect of terrain 9—92582

Onishi, H. *see* Numano, M. 9—90373

Onishi, N. *see* Ikeda, A. 9—85356

Onishi, Y. *see* Aoki, K. 9—90286

Onishi, Y. *see* Sone, Y. 9—90287, 9—94664

Onishi, Y. *see* Yosinobu, H. 9—90252

Onjo, K. *see* Hsu, S.-Y.S. 9—74217

Onn, D.G., Foley, G.M.T., Fischer, J.E. Electronic properties, resistive anomalies, and base transitions in the graphite intercalation compounds with K, Rb, and Cs 9—95405

Onn, D.G. *see* Gleeson, P.F. 9—73320

Onn, D.G. *see* Johnson, W.D. 9—73567

Onnagawa, H., Kuwahara, M., Miyashita, K. Freedericksz transition in pretilted nematic cells in the magnetic field normal to the director 9—99071

Onnasch, D., Lange, P.E., Garten, H., Heintzen, P.H. Methods for the overall and regional computer quantification of right ventricular angiocardiograms 9—62360

Onnen, S. *see* Jarsch, V. 9—89449

Ono, A. Absolute radiometer with uniform sensitivity over the surface of the receiver 9—49289

Ono, A. *see* Izumi, F. 9—78858

Ono, A. *see* Sugahara, R. 9—93453, 9—93454

Ono, F. Thermal expansion coefficient of Fe-Ni Invar alloys at low temperatures 9—86911

Ono, F. *see* Yamada, O. 9—56518

Ono, I. *see* Okamoto, S. 9—87265

Ono, K. Visible and ultraviolet high-intensity spectral lines in electron-beam-produced plasmas 9—73012

Ono, K., Sato, K., Fukata, K. On some impulse responses of cat brain 9—79502

Ono, K., Shibata, M., Hamstad, M.A. A note on the anisotropic acoustic emission behavior of HSLA steels 9—83419

Ono, K., Ueda, Y., Moriyama, J. Fundamental study on the fabrication of niobium by the carbothermic reduction-electron beam melting combination method 9—100075

Ono, M. Cold, electrostatic, ion-cyclotron waves and ion-ion hybrid resonances 9—60136

Ono, M., Kishiro, J., Mikamo, S., Kusumegi, A., Ishizuka, T. Nuclear mass number dependence of inclusive pion production by pions and protons at 4.3 GeV/c 9—76029

Ono, M., Yokoto, T. A measurement method of oblique incidence characteristics of absorbers—on a direct measurement method of space standing waves at oblique incidence 9—81343

Ono, S. $Q^2\bar{Q}^2$ states with relatively narrow width 9—54300

Ono, S. *see* Krasemann, H. 9—75742

Ono, S. *see* Naitoh, T. 9—68996

Ono, S. *see* Nomura, K. 9—70458

Ono, Y., Paulus, U. Low-lying collective modes in the charge density wave state in n-type inversion layers of semiconductors 9—78200

Onoda, N. *see* Kogure, S. 9—92243

Onodera, A. *see* Ohtani, A. 9—49246

Onodera, S. *see* Ishikawa, Y. 9—56521

Onodera, Y. *see* Kobayashi, T. 9—82712

Onodera, Y. *see* Yamashita, T. 9—87199, 9—93175

Onoe, M., Kaneko, M. Computer generated pure binary hologram 9—55092

Onoe, M., Kuno, Y., Tenjin, Y. Recognition of adenocarcinoma in automated uterine cytology 9—88227

Onofri, E. *see* Ciafaloni, M. 9—54283

Onokhov, A.P. *see* Morichev, I.E. 9—64296

Onopko, D.E., Titov, S.A. Nonspherical outer regions in multiple scattering theory 9—59352

Onopko, D.E., Titov, S.A. Electronic structure of AsO_4^{3-} and SeO_4^{2-} clusters in Li_3AsO_4 and Li_2SeO_4 crystals 9—65417

Onopko, D.E. *see* Pavlychev, A.A. 9—99983

Onoprienko, A.A. *see* Kaganovskii, Yu.S. 9—65301

Onozuka, T., Hirabayashi, M. Electron microscopy study of ordering of oxygen atoms in $TiO_{0.3\text{-}0.5}$ 9—99150

Onsgaard, J., Tougaard, S., Morgen, P. Segregation of impurities at the surface of a scandium single crystal 9—65299

Onsgaard, J.H. *see* Morgen, P. 9—65528

Onstott, R.G., Moore, R.K., Weeks, W.F. Surface-based scatterometer results of Arctic sea ice 9—92544

Onton, A. *see* Marrello, V. 9—65931

Onton, A. *see* Samuelson, L. 9—59805

Onu, M.I. *see* Gitsu, D.V. 9—82613

Onuchukwu, A.I. *see* Chan, H.C. 9—96189

Onufrienko, A.L. On the choice of wave parameters in calculating coastal bars of shallow profile 9—88330

Onufrienko, A.L. Study of the conditions determining the position, in plan, of the longitudinal axis of natural bars, formed at a bend in the shore within a contour, in the sea or reservoirs 9—92522

Onufriev, V.D. *see* Agapova, N.P. 9—97814

Onufriyev, A.T. Model equation for the probability density in the semiempirical theory of turbulent transport 9—98689

Onuki, A., Kawasaki, K. Light scattering by critical fluids in the presence of a uniform shear flow 9—78693

Onuki, A., Kawasaki, K. Fluctuations in nonequilibrium steady states with laminar shear flow: classical fluids near the critical point 9—81844

Onuki, J., Soeno, K., Suwa, M. Damping capacity of graphite-dispersed Al and Cu casting alloys 9—96059

Onuki, K. *see* Kajiyama, K. 9—78166

Onuki, K. *see* Kimura, T. 9—82913

Onuma, T., Mitamura, Y., Nakamura, T., Yamamoto, K., Mikami, T., Takahashi, M., Nishiura, K. Design and performance of left ventricular assist device 9—96708

Onuma, T. *see* Mitamura, Y. 9—84021

Onvodi, F. *see* Starkovskii, N.I. 9—85148

Ooi, T. *see* Furuno, K. 9—63690

Ooijen, J.A.C.Van *see* Van Ooijen, J.A.C.

Oomi, G., Mori, N. Pressure effect on the lattice spacings of an $Fe_{0.7}Ni_{0.3}$ invar alloys 9—55805

Oomori, T. *see* Kaneshima, K. 9—96783

Ooms, H., Claes, J., Namavar, F., Van de Voorde, H., Rots, M. Nuclear moments in the doubly odd ^{132}I isotope 9—63587

Ooms, P.C.A., Das, H.A., Brinkman, U.A.Th. Application of displacement- and exchange reactions in neutron activation and isotope dilution analysis 9—52834

Oomura, E., Murotani, T., Ishii, M., Susaki, W. Refractive index of $In_{0.84}Ga_{0.16}As_{0.46}P_{0.54}$ at its laser oscillating wavelength of 1.2 μm 9—64224

Oona, H., Kirchner, S.J., Kresan, P.L., Fernando, Q., Zeitlin, H. Thin carbon foils for the elimination of charging effects in proton induced X-ray emission spectrometry 9—92024

Oono, Y. Renormalization along the polymer chain 9—89816

Ooshima, H. *see* Moriyoshi, Y. 9—69049

Oosterbaan, C.E. *see* Arp, H. 9—62899

Oosterbroek, M. An automated method for the determination of linear visco-elastic properties of liquids between 4 and 160 kHz 9—77040

Oosterlinck, A., Vanderheydt, L., Van Daele, J., Van Den Berghe, H. Biomedical image processing 9—62418

Oosterom, A.van *see* van Oosterom, A.

Oosthoek, D.P. *see* Hofker, W.K. 9—74024, 9—83063

Oosting, P.H. Signal transmission in the nervous system 9—100593

Ootaki, A. *see* Hiroh, A. 9—52986

Oothoudt, M.A. Data display with the Q system 9—89545

Oothoudt, M.A. *see* Freedman, S.J. 9—67703

Oothoudt, M.A. *see* Ray, L. 9—63669

Ootsuka, K., Tsuji, S., Arikawa, Y. A stack dust monitor based on particle counting and sizing 9—83683

Ootuka, Y., Ikehata, S., Kobayashi, S., Sasaki, W. Low temperature anomaly of impurity conduction 9—95428

Ootuka, Y., Kobayashi, S., Ikehata, S., Sasaki, W., Kondo, J. Anomalous magnetoresistance in heavily antimony doped germanium. [Impurity metallic conduction] 9—65502

Opachko, I.I. Singularities of laser plasma utilization in physical experiments 9—78817

Opal, C.B. *see* Scott, H.E. 9—97437

Opal'chuk, A.S. *see* Spasskii, M.N. 9—79008

Opaleichuk, L.S. *see* Rokhvarger, E.L. 9—61616

Opalinski, J. Kirlian-type images and the transport of thin-film materials in high-voltage corona discharges 9—55590

Opanasovich, V.K. *see* Grilitskii, D.V. 9—81736

Opat, G.I. *see* Kasper, P. 9—93447

Opat, G.I. *see* Rangaswamy, T.N. 9—54351

Opat, G.I. *see* Unruh, W.G. 9—97152

Opdorp, C.van *see* van Opdorp, C.

Opdycke, J.P., Kollarits, F.J., Windham, J.P., Nelson, A.D., Andrews, L.T. An emission tomographic method for analysis of myocardial scintigrams 9—79647

Opelat, T.T. *see* Gel'fond, Yu.V. 9—67248

Opelka, J.H., Marmer, G.J., Mundis, R.L., Peterson, J.M., Siskind, B. Reutilization potential of accelerator components: A decommissioning perspective 9—72029

Opelt, R. Mechanics without Mass. I 9—67146

Openkin, V.A. *see* Kudryavtseva, Z.I. 9—61871

Opfer, J.E. *see* Joly, R. 9—93089

Opfermann, J., Horhold, H.-H. Investigations of poly(aryl-vinyl) (I). XIX. Investigation of the spectral distribution of the generation of radical ions and its dependence on structure 9—52708

Opgenoorth, H.J. *see* Untiedt, J. 9—66888

Ophel, T.R. *see* Clark, P.D. 9—93513

Ophel, T.R. *see* Kemper, K.W. 9—59082

Ophel, T.R. *see* Zeller, A.F. 9—75904

Opher, R. *see* Falik, D. 9—49140, 9—85042

Opher, R. *see* Talmi, A. 9—84905

Ophey, W.H. *see* Asbeck, P.M. 9—89954

Ophir, J., Maklad, N.F. Digital scan converters in diagnostic ultrasound imaging 9—66581

Opicka, F. *see* Apetaur, M. 9—50674

Opie, W.R., Armant, D.L., Cimler, O.F., Coffin, L.D. Selective recovery of copper from copper-nickel sulfide concentrates by applying segregation technology 9—61534

Opik, E.F. The morphological method in research with astrophysical, climatological and meteorological applications 9—71216

Opik, E.F. On predicting the brightness of comets 9—75164

Opik, E.F. Black holes—a myth? 9—75243

Opiola, H. *see* Zboinski, K. 9—78602

Opitz, C. *see* Muller, H. 9—89823

Oplavin, V.S. *see* Krasnov, L.V. 9—93627

Oplesnin, B.A. *see* Yakutovich, M.V. 9—79034

Oplesnin, V.L. *see* Suleimanov, Yu.M. 9—74002

Opolski, A. Surface brightness and radii of the classical Cepheids 9—58359

Oppenheim, A.V., Lim, J.S., Kopec, G., Pohlig, S.C. Phase in speech and pictures 9—59875

Oppenheim, I. *see* Machta, J. 9—61389

Oppenheim, I. *see* Procaccia, I. 9—58623

Oppenheim, I. *see* Ronis, D. 9—49155, 9—54035, 9—58624

Oppenheimer, D.H. *see* Iyer, H.M. 9—74860

Oppenheimer, J.L. Microcomputer-based multiplexer for performing depth profiling with Auger electron spectrometer 9—67435

Oppenheimer, M. *see* Hartquist, T.W. 9—67077

Oppermann, H. *see* Ritschel, M. 9—52093

Oppermann, H. *see* Wolf, E. 9—69972

Oppermann, R., Wegner, F. Disordered system with n orbitals per site: 1/n expansion 9—90999

Oproiu, C. Detailed measurements on electron dose distributions in radiation processing 9—49872

Opsal, J.L. Semi-classical theory of phonon-drag magnetothermoelectricity in metals 9—65432

Opsal, J.L., Bass, J. Observed and predicted many-body effects in thermoelectricity in metals 9—60803

Opsal, J.L. *see* Bass, J. 9—65452

Optow, W.A., Jarlykow, B.W., JeDrewal, W., Below, G.P., Prochorenko, T.W., Mussajeljam, I.N. Determination of the Newtonian initial viscosity of polymers and concentrated polymer solutions by the extrapolation method 9—99347

Oracz, P. *see* Kolasinska, G. 9—77764

Oraevskii, A.N. Possible use of resonantly excited media in wavefront reversal 9—94281

Oraevskii, A.N., Pleshanov, P.G. Selective photochemical mechanisms of the biological action of laser radiation 9—66450

Oraevskii, A.N., Rodionov, N.B., Shcheglov, V.A. Thermal gasdynamic laser with partial population inversion 9—55125

Oraevskii, A.N. *see* Bashkin, A.S. 9—89898, 9—89899, 9—89902, 9—89903

Oraevskii, A.N. *see* Borisov, A.A. 9—61858

Oraevskii, A.N. *see* Galochkin, V.T. 9—76432

Oraevskii, A.N. *see* Gavrikov, V.F. 9—64217

Oraevskii, A.N. *see* Vasil'ev, B.I. 9—89721

Oraevskii, V.N. *see* Krasovskii, V.L. 9—86579

Oraibi, Z.Al *see* Al Oraibi, Z.

Oram, C. *see* Beveridge, J.L. 9—72059

Oram, C.J. *see* Bugg, D.V. 9—67594

Oram, C.J. *see* Kiefl, R.F. 9—56679

Orava, R. *see* Boos, E.G. 9—49548, 9—67611

Oravec, J.J. *see* McWhirter, J.H. 9—68344

Orbach, A. *see* Herczfeld, P.R. 9—62127

Orbach, R. *see* Alexander, S. 9—60676

Orbach, R. *see* Entin-Wohlman, O. 9—78257

Orbach, R. *see* Parks, R.D. 9—65454

Orbach, R.L. *see* Dahlberg, E.D. 9—87202

Orban, G.A. *see* D'Hollander, E.H. 9—57789

Orbesen, S. *see* Ajzenberg-Selove, F. 9—63581, 9—63595

Orbesen, S.D. *see* Lebrun, C. 9—54390

Orbesen, S.D. *see* Vergnes, M.N. 9—54392

Orchard, A.F. *see* Beatham, N. 9—54816

Orchard, A.F. *see* Egdell, R.G. 9—98152

Orcutt, J.A. *see* Burdick, L.J. 9—84501

Ordan'yan, S.S., Kravchik, A.E., Neshpor, V.S. Isothermal sintering kinetics of zirconium carbide 9—66032

Ordan'yan, S.S., Kravchik, A.E., Neshpor, V.S. Sintering kinetics of niobium carbide powders of nonstoichiometric composition 9—100099

Ordelman, J.E. *see* van Raaphorst, J.G. 9—89037

Orden, J.M.Van *see* Van Orden, J.M.

Ordidge, R.J. *see* Morris, P.G. 9—66502

Ordogh, M. A complex neutron activation method for the analysis of biological materials 9—57827

Ordonez, J.G. *see* de La Rubia, J. 9—60417

Ordonez, J.Gomez *see* Gomez Ordonez, J.

Ordynets, A.G. *see* Chiang, Yu.N. 9—87077

Ordzhonikidze, K.G., Kerner, M.N., Birkaya, L.L., Dyata, S.V. Background-line displacement factors in mass spectrometry 9—49332

Orechwa, Y., Barthold, W.P. Sodium void reactivity reduction in metal-fueled LMFBRs 9—85655

Oredson, H.N. *see* Medress, M.F. 9—64424

Orefice, A., Airoldi-Crescentini, A., Pozzoli, R. Quasi-linear theory of a toroidal plasma in the slide-away regime 9—98960

Oreglia, M. *see* Chestnut, R. 9—89531

O'Reilly, D.E. Atomic migration in solid sodium 9—69279

O'Reilly, D.E., Tsang, T. New theory of superfluid ^{4}He 9—82402

O'Reilly, D.E. *see* Peterson, E.M. 9—69735

O'Reilly, J. *see* Chestnut, R. 9—89531

O'Reilly, J.M. Analysis of conformational contributions to polymer properties at the glass transition 9—69231

O'Reilly, R.J., Gaffney, R.D., Cook, D.J., Paterson, D. An algorithm for the automatic computer analysis of ^{99m}Tc-pyrophosphate scans of fractures of the tibia 9—88171

Orekhov, Yu.I., Glinskaya, V.V. Calculation of the power distribution in a reactor fuel assembly by the albedo method 9—93762

Orekhova, T.S. *see* Borodkina, M.M. 9—79006

Orel, A.E., Miller, W.H. Infrared laser enhancement of chemical reactions via collision induced absorption 9—66275

Orel, A.E. *see* Bender, C.F. 9—89624

Orel, A.E. *see* Rescigno, T.N. 9—68196

Orel, S.M. *see* Zarochentsev, E.V. 9—65137, 9—82274

Orel'skaya, V.I. On the improvement of equinox and equator positions of a fundamental catalogue 9—58277

Orenstein, J., Kastner, M. Time-resolved optical absorption and mobility of localized charge carriers in a-As_2Se_3 9—82645

Orenstein, S. *see* Rafanelli, K. 9—63022

Oreshnikov, R.V. *see* Berger, L.I. 9—49261

Oriani, R.A. Hydrogen embrittlement of steels 9—66172

Oriani, R.A., Josephic, P.H. Hydrogen-enhanced load relaxation in a deformed medium-carbon steel 9—61635

Oriani, R.A., Josephic, P.H. Hydrogen-enhanced nucleation of microcavities in AISI 1045 steel 9—79053

Orida, N. *see* Mu-Ming Poo 9—57599

Orihara, H. *see* Morita, S. 9—54638

Orishchenko, I.V. *see* Lebedev, T.S. 9—96742

Orive, L.M.Cruz *see* Cruz Orive, L.M.

Orizhuk, A.G. *see* Shagalov, M.D. 9—91502

Orlandelli, C.M. *see* Lorenzini, E. 9—81977

Orlandi, G., Shulten, K. Coupling of stereochemistry and proton donor-acceptor properties of a Schiff base. A model of a light-driven proton pump 9—79473

Orlandi, G. *see* Barigelletti, F. 9—86031

Orlando, T.P., McNiff, E.J., Jr., Foner, S., Beasley, M.R. Critical fields, Pauli paramagnetic limiting, and material parameters of Nb_3Sn and V_3Si 9—78277

Orlando, T.P. *see* Beasley, M.R. 9—56457

Orletskii, V.B. *see* Gutsulyak, V.G. 9—73437

Orletskii, V.B. *see* Kondratenko, M.M. 9—73203

Orley, H. *see* Gebauer, D. 9—88099

Orli, K. *see* Kuznetsov, A.V. 9—80371

Orloff, J., Swanson, L.W. An asymmetric electrostatic lens for field-emission microprobe applications 9—75656

Orlos, Z., Tomaszewski, K. Investigations of thermoelastic strains and stresses of epoxy models by means of strain gauges 9—64609

Orlov, A.B. *see* Shtennikov, Yu.V. 9—53614

Orlov, A.G. Comparison of experimental data from two published sources by statistical techniques 9—97186

Orlov, A.M. *see* Dremin, I.M. 9—75807

Orlov, A.N. *see* Karpinskii, D.N. 9—69190

Orlov, B.I., Shakhmatova, L.P. Consideration of singularities at edges in the solving of electrostatic problems by the series method 9—86103

Orlov, B.N. *see* Antropov, A.E. 9—67753

Orlov, G. *see* Schoen, N.C. 9—89305

Orlov, L.A. *see* Gershenzon, E.M. 9—82625

Orlov, L.G., Suvorova, S.O. Influence of relaxation processes on initial stages of flow in iron 9—74189

Orlov, L.G. *see* Berikashvili, T.I. 9—78969

Orlov, L.G. *see* Ivanova, V.S. 9—91795

Orlov, L.K. *see* Romanov, Yu.A. 9—51623

Orlov, L.N. Calculating the temperature field of molecular lasers with gas pumping 9—76673

Orlov, L.N., Seravkina, N.K. Several features of cavities of waveguide lasers 9—55158

Orlov, L.N. *see* Leshenyuk, N.S. 9—94067

Orlov, O.A. *see* Galaktionova, N.M. 9—63317

Orlov, O.L. *see* Sinyakov, E.V. 9—56748

Orlov, P.B. *see* Goncharov, L.A. 9—95042

Orlov, S.V. *see* Melnikov, V.N. 9—53947

Orlov, V.A. *see* D'yakonov, M.N. 9—80151

Orlov, V.A. *see* Krasil'nikov, D.D. 9—80115

Orlov, V.K. *see* Vas'kovskii, Yu.M. 9—60165

Orlov, V.P. *see* Dolginov, L.M. 9—65545

Orlov, V.V. *see* Golovin, I.N. 9—76123

Orlov, V.V. *see* Gornostaev, B.D. 9—76130

Orlov, V.V. *see* Shchegolev, G.M. 9—94701

Orlov, V.V. *see* Velikhov, E.P. 9—71954, 9—76122

Orlov, V.Ya. *see* Mel'nik, M.T. 9—83184

Orlov, Yu.F. Wave calculus based upon wave logic 9—71268

Orlov, Yu.I., Orlova, N.S. Asymptotic method for determining the diffraction fields of convex bodies of revolution 9—64158

Orlov, Yu.V., Tilyavov, A.A. Bound states of 2NN̄ system 9—49407

Orlov, Yu.V., Tilyavov, A.A. Resonances in 2NN̄ system in the range below three-baryon-decay threshold 9—93529

Orlova, A., Cadek, J. The effect of stress changes during creep on the dislocation structure of Al-5.5 at.% Mg 9—74214

Orlova, G.A., Krikunov, A.N., Panteleev, V.V. Experimental observation of continuous sound amplification using a pulsed power supply 9—56269

Orlova, G.M., Korepanova, N.A., Timonov, A.S., Abramov, V.A. Thermal capacity of (As,Sb)Ge_xSe_y glasses in the 300-600K temperature interval 9—65210

Orlova, I.G., Degtyareva, E.V., Kainarskii, I.S. Modification of properties of vacuum-compacted alumina ceramics 9—61546

Orlova, I.G. *see* Nechaev, Yu.R. 9—83357

Orlova, L.M. Some peculiarities in the measurement of microhardness on titanium alloys 9—87774

Orlova, L.M. *see* Chevela, O.B. 9—96222

Orlova, N.S. X-ray thermal diffuse scattering measurements of the [100] and [111] phonon dispersion curves of indium arsenide 9—77701

Orlova, N.S. *see* Orlov, Yu.I. 9—64158

Orlova, O.A., Bruchertseifer, H., Muzychka, Yu.A., Oganesyan, Yu.Ts., Pustylnik, B.I., Ter-Arkopyan, G.M., Chepigin, V.I., Choi Val Sek A study of fusion reactions between the ^{48}Ca ions and the $^{203, 205}$Tl, ^{208}Pb and ^{209}Bi nuclei 9—97740

Orlova, T.V. *see* Kostik, R.I. 9—75189

Orlovskaya, L.V. *see* Sokolova, I.V. 9—63915, 9—86006

Orlovskii, P.I. *see* Uglov, F.G. 9—57811

Orlovskii, V.M., Osipov, V.V. Electroionization CO_2 laser with working pressure 10 atm 9—89922

Orlowski, R., Urner, P., Hornauer, D.-L. Influence of various underlayers on the surface roughness of evaporated silver films 9—51456

Orman, M. *see* Pawlowski, A. 9—78949

Orme, G.R., Flood, P.G., Sargent, G.E.G. Sedimentation trends in the lee of outer (ribbon) reefs, Northern Region of the Great Barrier Reef Province 9—84224
Orme, G.R., Webb, J.P., Kelland, N.C., Sargent, G.E.G. Aspects of the geological history and structure of the northern Great Barrier Reef 9—84222
Orme, G.R. *see* Thom, B.G. 9—84223
Ormen, P.-J. *see* Avery, J. 9—99020
Ormes, J.F. *see* Arens, J.F. 9—58249
Ormond, D.W. Dielectric breakdown of silicon dioxide thin film capacitors using polycrystalline silicon and aluminum electrodes 9—69600
Ormondt, D.van *see* van Ormondt, D.
Ormont, A.B. *see* Malakhov, B.A. 9—78197
Ormont, A.B. *see* Sheftal', R.N. 9—78905
Ormont, B.F. *see* Samoilov, A.S. 9—90630
Ormont, B.F. *see* Smirnov, V.D. 9—65526
Ormrod, J.H., Bigham, C.B., Chan, K.C., Heighway, E.A., Hoffmann, C.R., Hulbert, J.A., Schneider, H.R., Walker, Q.A. The Chalk River superconducting cyclotron 9—54657
Ornatskaya, O.I. *see* Troitskii, V.S. 9—84724
Ornatskii, A.P., Latenko, B.V., Kon'shin, V.I., Minina, E.P. Isobaric integral heats of condensation of the fractions of petroleum from the main petroleum fields of the USSR 9—65181
Ornatskii, A.P., Vasil'ev, A.F., Chernobai, V.A. Determining the critical heat flux density in channels with nonuniform heat emission in length 9—64489
Ornatskii, E.A. *see* Klimenko, V.M. 9—52262
Ornatskiy, A.P., Chernobay, V.A., Vasil'yev, A.F., Perkov, S.V., Shpakovskiy, V.A. Pressure drop in non-uniformly heated annuli 9—81971
Orndoff, J.D. *see* Evans, A.E., Jr. 9—93780
Oron, E. *see* Bekenstein, J.D. 9—71062
Oron, M., Goldstein, M. Improvement of electron gun brightness in conventional scanning electron microscope (SEM) by coating its tungsten filament with a zirconium carbide (ZrC) thin film 9—67438
Oron, M., Lerner, I. Controlled deposition of protective aluminium films on aircraft steels 9—70231
O'Rourke, J.E., Ridley, A.P., McConnell, J.R. Instrumentation and field monitoring of ground cracking 9—79729
Orpen, J.L. *see* Hawkesworth, C.J. 9—66658
Orphan, V., Polichar, R., Ginaven, R. A solid-state photomultiplier tube for improved gamma counting techniques 9—54748
Orphan, V.J. *see* Sperling, S.M. 9—62627
Orr, B.J. *see* Nutt, G.F. 9—57233
Orr, C. *see* Mullins, M.E. 9—64759
Orr, D. *see* Warner, M.R. 9—62688
Orr, J.S., Malone, J.F., Foster, C.J., Wheldon, T.E. Repair and prolonged hypoxia 9—74721
Orr, J.S. *see* Gore, J.C. 9—83916
Orr, P.K. *see* Nartker, T.A. 9—89551
Orr, R.S. *see* Jonker, M. 9—93399
Orr, S. *see* Hoover, J. 9—68044
Orr, W.A. High-speed printing—the Gretag approach 9—93246
Orrall, F.Q. *see* Schmahl, E.J. 9—92738
Orriols, G. *see* Alzetta, G. 9—93941
Ors, J.A. *see* Stevens, B. 9—52714
Orshanskii, I.S. *see* Koltun, M.M. 9—83593
Orsini, S. *see* Bavassano-Cattaneo, M.B. 9—58211
Orszag, A. *see* Pourny, J.C. 9—66809
Orszagh, A., Kolinski, A., Romiszowski, P. Computer modelling of radiation-induced in-source solid state polymerizations 9—66294
Ort, M.G., Gregg, E.C., Pillai, K.M., Rao, P.S. Radiographic quality, tube potential, and patient dose 9—62349
Ortega, J.M. Study of the triplet state of the 'perturbed' F_2 center in KCl exchange mechanisms between F_2 and F centers 9—69884
Ortega, J.M. Study of the self-trapped exciton and F-center formation on a picosecond time scale in KBr 9—73443
Ortega, J.M. *see* Nouailhat, A. 9—83036
Ortenberg, M.von *see* von Ortenberg, M.
Ortenberg, M.V. *see* Schwarzbeck, K. 9—60758
Ortenberg, M.Von *see* Von Ortenberg, M.
Ortendahl, D. *see* Perez-Mendez, V. 9—66497
Orth, D.A. SRP thorium processing experience 9—59243
Orth, H. *see* Gladisch, M. 9—56446
Orth, H. *see* Herlach, D. 9—56701
Orth, H. *see* Metz, H. 9—56693
Ortiz, C., Epperson, J.E. On the ω-like diffraction effects from β'-NiAl 9—60216
Ortiz, C. *see* Epperson, J.E. 9—82127
Ortiz, M. *see* Campos, J. 9—99950
Ortiz, M.E., Dacal, A., Menchaca-Rocha, A., Buenerd, M., Hendrie, D.L., Mahoney, J., Olmer, C., Scott, D.K. Energy dependence of multinucleon transfer reactions induced by ^{20}Ne on ^{12}C 9—67769
Ortiz, N.R. *see* Varnado, G.B. 9—85691
Ortiz, N.V., McWhorter, D.B., Sunada, D.K., Duke, H.R. Growth of groundwater mounds affected by in-transit water 9—84327
Ortlepp, H.-G. *see* Vylov, Ts. 9—75917
Ortlepp, W.D. *see* McGarr, A. 9—84152
Ortman, D.A. *see* Mayer, D.A. 9—70806
Ortoleva, P. *see* Bose, S. 9—70298
Ortoleva, P. *see* DelleDonne, M. 9—75454
Ortoleva, P. *see* Schmidt, S. 9—92047
Orton, C.G., Bagne, F. *(editor)* Practical Aspects of Electron Beam Treatment Planning 9—100730
Orton, G.S. *see* Aumann, H.H. 9—66946
Orton, J.W., Powell, M.J. The Hall effect in semiconducting powders 9—51607
Orton, R.J.J. *see* Crellin, J.R. 9—62952
Ortuno, M., Inkson, J.C. Real-space dielectric response in semiconductors 9—51505
Orudzhev, E.Sh. *see* Mamedov, S.G. 9—58314
Orudzhev, K.D. *see* Godzhaev, E.M. 9—87119
Orupe, A.V. *see* Bochkans, P.Ya. 9—70192
Orvig, S. *see* Vowinckel, E. 9—100880
Orwig, I.E. *see* Coe, M.J. 9—71075
Orwig, L., Schrank, G. Simple laser scattering experiment for biology-oriented physics labs 9—71178
Orwig, L.E. *see* Dolan, J.F. 9—71151, 9—75297
Orwig, L.E. *see* Maurer, G.S. 9—92888
Oryu, S. A test on p_1-n-p_2 collinearity resonance of $D(p_0,p_1,p_2)n$ reaction at E_0=156 MeV 9—75996
Orzechowski, A. An optical microscopy method to display pigment agglomerates in polymer particles 9—85177
Orzhitskaya, L.K. *see* Levitin, V.V. 9—52299, 9—90598
Os, C.H.Van *see* Van Os, C.H.
Os, J.W.M.van *see* van Os, J.W.M.
Osada, M., Ishizuka, H., Miwa, O., Kawanishi, N., Kishii, T. An automatic recording dilatometer for glasses. II 9—70291
Osada, N. *see* Miyazaki, T. 9—70731
Osada, N. *see* Shimozuru, D. 9—70773
Osada, N. *see* Takeda, T. 9—70732
Osada, Y., Nakayama, H., Shindo, M., Odaka, T., Ogata, Y. Growth and structure of silicon fibers 9—69970
Osadchev, L.A. *see* Bikeev, O.N. 9—55224
Osadchuk, V.A. On the limit equilibrium criterion for closed cylindrical shells with longitudinal cracks 9—50646
Osaka, H. *see* Nakanishi, T. 9—92354
Osaka, T., Satoh, J., Hatano, T., Sakaguchi, K. Epitaxial growth of tin thin films on a potassium chloride substrate 9—99441
Osaka, Y. *see* Hirose, M. 9—56332
Osaka, Y. *see* Taniguchi, M. 9—99566
Osaka, Y. *see* Yokoyama, S. 9—60927
Osaki, K., Uryu, N. Effects of anisotropic exchange interactions on the magnetic properties of a singlet ground state system with an external magnetic field 9—91224
Osaki, K. *see* Kamase, K. 9—99690
Osamura, K., Furuichi, S., Kanbayashi, K., Takamuku, S., Murakami, Y. Reversion characteristics in an Al-4wt%Cu alloy 9—56989
Osamura, K., Murakami, Y. Study on the structure of GP zones in Al-Zn alloys by means of absolute SAXS measurement 9—70072
Osamura, K., Shibue, K., Shingu, P.H., Murakami, Y. Small-angle X-ray scattering study on the structure and crystallization of amorphous Fe-P-C alloy 9—50999
Osamura, K. *see* Izumi, Y. 9—79159
Osamura, Y., Kitaura, K., Nishimoto, K., Yamabe, S. An MO study of methylenimine in the lowest excited state. Comparison with CH_2=CH_2, NH=NH and CH_2=O 9—59361
Osanai, S. *see* Honda, K. 9—54339
Osawa, H. *see* Tazaki, S. 9—68507
Osborn, H. Topological charges for N=4 supersymmetric gauge theories and monopoles of spin 1 9—63364
Osborn, J.E. *see* Antman, S.S. 9—67148
Osborn, T.A., Bolle, D. Integral bounds for N-body total cross sections 9—75405
Osborn, T.A., Bolle, D. Time delay in N-body scattering 9—75695
Osborn, T.A. *see* Bolle, D. 9—75389
Osborne, A.R. *see* Bergamasco, L. 9—75062
Osborne, J.L. *see* Kiraly, P. 9—66892
Osborne, L.S. *see* Martin, J.F. 9—89167
Osborne, M.P., Richardson, V.J., Jeyasingh, K., Ryman, B.E. Radionuclide-labelled liposomes—a new lymph node imaging agent 9—96649
Osborne, P. The role of the US EPA in underground injection: effects of solution mining 9—92101
Osborne, T.H. *see* Lipschultz, B. 9—73029
Osbourn, G.C., Smith, D.L. Transmission and reflection coefficients of carriers at an abrupt GaAs-GaAlAs (100) interface 9—69588
Oschmann, W. Improved chemical and physical methods for the treatment of radioactive waste water from nuclear power stations 9—93797
Oscik, J. *see* Borowko, M. 9—56073
Ose, T. *see* Kubota, T. 9—94184, 9—94196
Oseland, P.W.R. *see* Bowers, J.E. 9—70208
Oseledchik, Yu.S., Miroshnik, G.A. Kinetics of a two-level system in two periodic fields 9—64188
Osepchuk, J.M. Microwaves in the media: truth or consequences 9—70582
Oseroff, S. *see* Fisk, Z. 9—73738
Oset, E. Pion nucleus single charge exchange in the isobar-hole model 9—85523
Oset, E., Strottman, D. Core polarisation effects in inelastic pion-nucleus scattering 9—75962
Oset, E., Weise, W. Isobar-hole description of pion elastic scattering and the pion-nuclear many-body problem 9—59090
Oset, E., Weise, W. Microscopic calculation of absorption channels in pion elastic scattering from light nuclei 9—76039
Oset, E., Weise, W. The absorptive part of the low-energy pion-nucleus optical potential 9—85556
Osgood, R.M., Jr. *see* Deutsch, T.F. 9—100061
Osgood, R.M., Jr. *see* Ehrlich, D.J. 9—59677, 9—72560, 9—72574
Oshcherin, B.N. On surface energy and compressibility of $A^2B^4C^5_2$ semiconducting compounds 9—51417
Osher, J.E. *see* Davis, J.C. 9—76221
Osheroff, D.D. Recent experiments in superfluid ^{3}He 9—65277
Osherov, V.I. *see* Medvedev, E.S. 9—76486
Osherovich, A.L., Tezikov, V.V. Lifetime of $5p^3P^0_1$, $6p^1P_1$ np^1D_2(n=7, 8), $6p^3S_1$ $7p^3P_1$ $6p^3D_2$, $5d^3P^0_{1,2}$, $6d^3D^0_2$ levels of the antimony ion 9—54813
Osherovich, A.L., Verolainen, Ya.F., Pulkin, S.A., Privalov, V.I., Lupekhin, S.M. Investigation of the radiative lifetimes of the excited states of Sr I and Sr II 9—98042
Osherovich, A.L. *see* Aref'ev, N.B. 9—67383
Oshida, T. *see* Sakurai, T. 9—76765
Oshima, C. *see* Aono, M. 9—99403
Oshima, H. *see* Tajima, H. 9—70733
Oshima, K. *see* Ogawa, M. 9—95646
Oshima, N. A theory of fluid mixtures with dynamic interaction. I. Basic equations in conservative cases 9—50692
Oshima, N. *see* Kamiwano, M. 9—77297
Oshima, R. *see* Kakeshita, T. 9—70066
Oshima, T. *see* Yokoo, H. 9—53738
Oshima, Y., Mohri, N., Nose, H., Nakagawa, K. Prediction of pollutant concentration for air pollution control 9—52992
Oshiyama, H., Fujita, J., Yoshioka, Y. Calculation of RF energy absorption by hot ion-electron plasma corresponding to NOVA-II parameters 9—77404
Osias, D.E. *see* Benford, J. 9—76172
Osicki, W.R. *see* Wilson, T. 9—51112
Osiko, V.V. *see* Aleksandrov, V.I. 9—52399, 9—70032
Osiko, V.V. *see* Glushkova, V.B. 9—52188
Osin, L. The Survival Principle and the comparative evaluation of instructional systems 9—92906
Osin, N.S., Petukhov, V.G. Photodestruction of bacterial zinc-porphyrins in the presence of oxygen 9—79601
Osin, N.S. *see* Petrov, V.V. 9—53052
Osipenko, I.A. *see* Kokorin, V.V. 9—78444
Osipenko, I.A. *see* Nesternenko, E.G. 9—65085
Osipenko, N.M. *see* Gol'dshtein, R.V. 9—86385
Osipik, V.A. *see* Sablin, V.K. 9—72697
Osipin, V.F. *see* Belkina, L.M. 9—53629
Osipov, A.A. Propagation of three-dimensional acoustic disturbances in axisymmetric channels of slowly varying transverse cross section 9—90266
Osipov, A.N. *see* Kudryavtsev, V.M. 9—88360
Osipov, A.P. *see* Vasileva, A.N. 9—99011
Osipov, B.D. Ratio of the magnitudes of the quadrupole bonds of Br isotopes in CH_3Br 9—76452
Osipov, C.V., Bogdanov, Yu.A., Leshkovtsyev, V.G. Towards a method of constructing curves of strengthening form bend tests 9—59928
Osipov, E.B. Changes in the electron spectrum of a semiconductor film in a quantizing magnetic field due to the interaction with optical phonons 9—69610
Osipov, M.A. Influence of an external field on phase transitions in Rochelle salt-type ferroelectrics 9—73888
Osipov, M.V. *see* Basov, N.G. 9—86587
Osipov, N.K. *see* Il'in, V.G. 9—77349
Osipov, N.K. *see* Kanonidi, Kh.D. 9—58191
Osipov, N.K. *see* Vnuchkov, G.A. 9—80073
Osipov, N.K. *see* Zhulin, I.A. 9—79921
Osipov, V.P. *see* Zhdanov, G.S. 9—57269
Osipov, V.V. *see* Kudryashov, V.P. 9—94257
Osipov, V.V. *see* Orlovskii, V.M. 9—89922
Osipov, Yu.I. *see* Kitaeva, V.F. 9—55113
Osipova, E.A. *see* Varkovitskaya, A.Ya. 9—80147
Osipova, G.I., Tsutskov, A.N. Manufacture of high-precision circular scales by contact photographic printing method 9—75638
Osipova, I.I. *see* Gnesin, G.G. 9—95987
Osipova, L.P., Matveeva, S.N., Firsov, N.T. B6-18×36 pancratic binoculars 9—72663
Osipova, R.E. *see* Vershinina, L.I. 9—64962
Osip'yan, Yu.A., Prokopenko, V.M., Tal'yanskii, V.I., Kharlamov, A.A., Shevchenko, S.A. Anisotropy of dislocational microwave conductance of n-Ge 9—91092
Osip'yan, Yu.A., Talyanskii, V.I., Kharlamov, A.A.., Shevchenko, S.A. UHF conductivity of n-type germanium with dislocations 9—78128
Oskam, H.J. *see* de Vries, C.P. 9—82116

Oskarsson, A. *see* Bhalla, K.B. 9—49636
Os'kina, T.E., Zaborenko, K.B., Krasnoperova, A.G., Mel'nikova, I.G., Pron'kina, T.I. Sintering qualities of tin dioxide 9—61547
Oskolkov, I.N. *see* Volossov, A.A. 9—58816
Oskotskii, M.L. *see* Zverev, V.A. 9—72658
Oskotskii, V.S. *see* Glurdzhidze, L.N. 9—69897
Oskotskii, V.S. *see* Kulikova, I.N. 9—99909
Osland, P. Particle dissociation on a composite target 9—93465
Osland, P., Glauber, R.J. Polarization in elastic proton-nucleus scattering 9—97696
Osland, P. *see* Bleszynski, M. 9—71851
Osman, A. Three-body calculations for light nuclei using separable potentials 9—75876
Osmer, P.S. *see* Atwood, B. 9—66924
Osmera, B. *see* Prouza, Z. 9—68113
Osmun, J.W. *see* Wolf, E.L. 9—91193
Osnes, E. *see* Rekstad, J. 9—49881
Osokin, A.P. *see* Timashev, V.V. 9—91610
Osokina, D.N., Nikonov, A.A., Tsvetkova, N.Y. Modeling the local stress field and kinematics of the San Andreas fault system 9—79778
Osorio, P.L. *see* Ktonas, P.Y. 9—100759
Ossaka, J. *see* Okada, K. 9—99136
Ossakow, S.L., Chaturvedi, P.K. Current convecture instability in the diffuse aurora 9—70907
Ossakow, S.L., Zalesak, S.T., McDonald, B.E., Chaturvedi, P.K. Nonlinear equatorial spread F: dependence on altitude of the F peak and bottomside background electron density gradient scale length 9—53643
Ossakow, S.L. *see* Chaturvedi, P.K. 9—58162
Ossakow, S.L. *see* Huba, J.D. 9—77372
Ossege, K. *see* Forth, H.-J. 9—58749
Ossenbrink, H. *see* Wust, P. 9—67709
Ossicini, S. *see* Casula, F. 9—60901
Ossipyan, Yu.A., Petrenko, V.F. Motion of charged dislocations in semiconductors $A^{II}B^{VI}$ 9—82233
Ossipyan, Yu.A. *see* Klassen, N.V. 9—83001
Ostafin, M. *see* Kubiak, J. 9—63279
Ostafin, M. *see* Pietrzak, J. 9—91583
Ostanevich, T. *see* Aksinenko, V. 9—97713
Ostanin, V.V. *see* Apollonov, V.V. 9—72603
Ostankov, B.S. *see* Glukhov, Yu.P. 9—74761
Ostapchuk, L.N., Pogorelov, V.E., Salivon, G.I. Orientational motion of molecules in liquid deuteriochloroform 9—65865
Ostapenko, N.I., Chernomorets, M.P., Shpak, M.T., Sugakov, V.I. Spectra of directionally deformed naphthalene crystals and exciton-phonon interaction constants 9—78703
Ostapenko, N.I., Skryshevskii, Yu.A., Faidysh, A.N. Properties of the emission of naphthalene crystals containing the molecules and clusters of heterocyclic compounds 9—87477
Ostapenko, S.S., Sheinkman, M.K. Investigation of the orientation degeneracy of anisotropic centers in hexagonal crystals 9—73981
Ostapenko, V.N., Karpinos, D.M., Zil'berberg, V.G. A mathematical model of the process of infiltration of porous materials by melts 9—100089
Ostapenko, Yu.B. *see* Zhuchko, V.E. 9—97739
Ostapenkov, A.M., Kaptereva, Yu.V., Merinov, N.S., Lavrova, V.L. Effect of a stream of charged particles on bacterial cultures of the organisms Bacillus mesentericus and Pseudomonas fluorescens 9—83855
Ostash, O.P. *see* Yarema, S.Ya. 9—52344
Ostashevsky, I.Ya. *see* Sungurov, A.Yu. 9—66491
Osteaux, M. *see* Marchal, G. 9—66551
Osten, W.von der *see* von der Osten, W.
Ostensen, R.W. A sensitivity study of LMFBR core disassemblies 9—49766
Ostensen, R.W. A sensitivity study on the damage potential of a liquid-metal fast breeder reactor core disassembly 9—54531
Ostensen, R.W., Young, M.F. Analysis of in-pile fuel disruption experiments 9—49748
Ostenson, J.E. *see* Finnemore, D.K. 9—78280
Oster, D. *see* Wygnanski, I. 9—81896
Oster, L. Maximum constriction phase of a weakly ionized discharge in helium 9—90486
Osterbrock, D.E. Edward S. Holden—the founder of the A.S.P. and the early days of the California-Wisconsin astronomical connection 9—75310
Osterbrock, D.E. Ionized gas and dust in active galactic nuclei 9—88730
Osterbrock, D.E., Cohen, R. The red shift difference between the broad and narrow emission lines in OQ 208 9—67100
Osterbrock, D.E. *see* Miley, G.K. 9—84859
Osterby, R. *see* Jensen, E.B. 9—74804
Osterfeld, F. *see* Madsen, V.A. 9—93581
Osterfeld, F. *see* Wambach, J. 9—85432
Ostergren, W.J., Krempl, E. A uniaxial damage accumulation law for time-varying loading including creep-fatigue interaction 9—83324
Osterhammel, P. *see* Thomsen, J. 9—92235
Osterhout, M.M. Control of oxygen, hydrogen and tritium in EBR-II sodium systems 9—93696
Ostermeier, R.M., Cromar, M.W., Kittel, P., Donnelly, R.J. Turbulent counterflow: vortex line density 9—55963
Osterstrom, G.E., Knecht, T. Grease lubrication of turbomolecular vacuum pump bearings 9—80630
Osteryoung, R.A. *see* Dillard, J.W. 9—79325
Ostgaard, E. *see* Lunnan, E. 9—65269, 9—69305
Ostgaard, E. *see* Panacharoensawad, B. 9—77854
Ostgaard Olsen, J. *see* Andersen, N. 9—86052
Ostle, D. *see* Simpson, P.R. 9—84273
Ostlund, H.G. *see* Broecker, W.S. 9—57960
Ostrach, S., Raghavan, C. Effect of stabilizing thermal gradients on natural convection in rectangular enclosures 9—81889
Ostrach, S. *see* Kamotani, Y. 9—81887
Ostrach, S. *see* Tishkoff, J.M. 9—77257
Ostrander, L.E. *(editor)* Proceedings of the Seventh New England (Northeast) Bioengineering Conference 9—79672
Ostreiko, G.N. *see* Budker, G.I. 9—72176
Ostretsov, B.V., Dokuchaev, N.I. Electron counting frequency meters with integrated electronics components 9—72205
Ostretsov, I.N. *see* Glotova, N.N. 9—55575
Ostroff, E. Herschel and Talbot: photographic research 9—97168
Ostromukhova, G.P. *see* Kochina, M.P. 9—93835
Ostroukhov, Yu.S. *see* Grishin, A.M. 9—60796
Ostroukhova, I.I., Shlyapnikov, G.V. Infrared radiation of a molecular gas in the Q branch 9—54850
Ostroukhova, I.I., Shlyapnikov, G.V. Radiative transitions in collisions between atoms and the photodissociation of vibrational-excited molecules 9—98212
Ostroukhova, S.I. *see* Kuptsov, V.M. 9—64726, 9—86453
Ostroumov, P.N., Romanov, G.V., Fateev, A.P. Channel for transporting a high-current beam 9—59291
Ostroumov, V.I. *see* Bakaev, V.A. 9—80175
Ostroumov, V.I. *see* Balashov, A.P. 9—73217
Ostrovskaya, G.V., Filippov, V.N. Optical method for measuring the radial distribution of the refractive index 9—80669
Ostrovskaya, G.V. *see* Komissarova, I.I. 9—64921
Ostrovskaya, G.V. *see* Koval'chuk, Yu.V. 9—64922
Ostrovskaya, L.M. *see* Apollonov, V.V. 9—72603
Ostrovskaya, M.A., Putyatina, N.M., Krivenko, I.N. Allowable deviations from parallelism for the optical axes of binoculars 9—72665
Ostrovskaya, V.P. Structural alterations in the course of aging and of plastic deformation in maraging steel depending on the characteristic of their alloying 9—79032
Ostrovskii, I.V., Polovina, A.I. Acoustic correlation in a piezoelectric plate resonator 9—76929
Ostrovskii, I.V., Rozhko, A.Kh., Lysenko, V.N. Stimulation of green edge radiation in cadmium sulphide by a Lamb ultrasonic wave 9—91509
Ostrovskii, L.A., Pelinovskii, E.N., Fridman, V.E. Propagation of explosive pulses in ocean surface layers 9—94395
Ostrovskii, M.A., Fedorovich, I.B. Photochemical transformations of the visual pigment rhodopsin 9—66472
Ostrovskii, M.A. *see* Bol'shakov, V.I. 9—70548
Ostrovskii, V.N. *see* Devdariani, A.Z. 9—49969, 9—94075
Ostrovskii, V.N. *see* Lavrov, B.P. 9—76524
Ostrovskii, V.S. *see* Loktev, V.M. 9—69647, 9—69657
Ostrovskii, Yu.I., Chashchin, V.S. Hologram Fourier spectrometer 9—68369
Ostrovskii, Yu.K. *see* Yalamov, Yu.I. 9—57298
Ostrovskii, Yu.M. *see* Gachko, G.A. 9—85993
Ostrovskii, Yu.N. *see* Antonenko, V.A. 9—90124
Ostrovskii, Yu.N. *see* Krovchenko, V.A. 9—68562
Ostrovskii, Z.E. *see* Agapova, N.P. 9—97814
Ostrovskiy, G.I. *see* Mikhaylov, M.V. 9—62650
Ostrovskiy, Yu.N. *see* Tolubinskiy, V.I. 9—81690, 9—94468
Ostrovsky, V.N. *see* Komarov, I.V. 9—86019
Ostrow, H.G. *see* Douglas, M.A. 9—70626
Ostrow, S.L. *see* Huang, R. 9—49852
Ostrum, B.J. *see* Schlager, B. 9—88159
Osuch, W. *see* Gorczyca, S. 9—95026
O'Sullivan, W.J. *see* Meadows, M.R. 9—90788
O'Sullivan, W.J. *see* Scheibner, B.A. 9—90787
Osumi, Y., Kato, A., Suzuki, H., Nakane, M., Miyake, Y. Hydrogen absorption-desorption characteristics of mischmetal-nickel-aluminum alloys 9—95168
Oswal, S.L., Deshpande, D.D. Excess free energies and excess volumes for chloroform+tetrahydrofuran system 9—82357
Oswaldo-Cruz, E., Hokoc, H.N., Sousa, A.P.B. A schematic eye for the opossum 9—62243
Oswalt, T.D. Ca II H and K and hydrogen-line variations in V471 Tauri (=BD+16°516) 9—67063
Oszwaldowski, M. The Hall mobility of charge carriers at room temperature in InSb thin films regrown from the melt 9—65568
Oszwaldowski, M. The magnetic field dependence of the PEM effect in melt-grown InSb thin layers 9—95445
Ota, K., Kagiyama, T., Matsuo, N. Remote sensing measurements of sulfur dioxide emissions from volcano Asama 9—70772
Ota, T., Horikoshi, Y. InP MIS diodes prepared by anodic oxidation 9—74270
Otake, S. *see* Motohasi, Y. 9—95008
Otani, H. *see* Niki, H. 9—49865
Otani, S. *see* Oya, A. 9—77466
Otchik, Ya.M. *see* Kapshin, Yu.S. 9—67392
Otero, M.J. Luminescence of samarium ions in crystals of zinc borate 9—73986
Othman, D.B. *see* Allegre, C.J. 9—92512
Otis, G., Lachambre, J.-L., Lavigne, P. Focusing of laser beams by a sequence of irises 9—50332
Otko, A.I., Nesterenko, N.M. Features of ferroelastic domain structures in $KFe(MoO_4)_2$ and $KIn(WO_4)_2$ 9—90719
Otlet, R.L. Radiocarbon dating—a status report 9—49922
Otnes, K. *see* Janik, J.A. 9—86705, 9—87444
Otnes, K. *see* Riste, T. 9—50990
Otnes, K. *see* Svare, I. 9—82167
Otomi, K. *see* Saito, H. 9—68622, 9—81765
Oton, J.M. *see* Gancedo, J.R. 9—89049
Otooni, M.A. A new technique for preparation of thin single crystals of germanium of (110) orientation 9—95930
Otooni, M.A. *see* Hembree, G.G. 9—83377
Otorbaev, D.K. *see* Lavrov, B.P. 9—98986
Otschik, P. Problems of the calculation of superconducting parameters of Nb by tunnelling measurements 9—91192
Otson, R., Williams, D.T., Bothwell, P.D. A comparison of dynamic and static head space and solvent extraction techniques for the determination of trihalomethanes in water 9—92114
Otsuka, E. *see* Ishida, S. 9—60849
Otsuka, E. *see* Nakata, H. 9—60722
Otsuka, K. Laser-fluctuation measurements in a bath of strong Gaussian noise 9—55166
Otsuka, K. Effects of external perturbations on $LiNdP_4O_{12}$ lasers 9—81437
Otsuka, K., Sakamoto, H., Shimizu, K. The characteristics of a metastable 2H type phase in a quenched β_1 Cu-Al-Ni alloy 9—74149
Otsuka, K., Tokonami, M., Shimizu, K., Iwata, Y., Shibuya, I. Structure analysis of stress-induced β_1'' martensite in a Cu-Al-Ni alloy by neutron diffraction 9—60308
Otsuka, K. *see* Kubodera, K. 9—50305, 9—55141
Otsuka, M. The relation between the optical escape factor and the thermalization length 9—86611
Otsuka, M. *see* Kadota, K. 9—86619
Otsuka, S. *see* Ueno, H. 9—70294, 9—95192
Otsuka, T. *see* Daido, Y. 9—81518
Otsuki, S. *see* Imachi, M. 9—58928, 9—63415
Otsuki, T. *see* Tanaka, I. 9—57324
Ott, A. New results of computer-based thickness measurement of plating layers by means of eddy current probes 9—85112
Ott, E. Goodness of ergodic adiabatic invariants 9—71352
Ott, E. Lower hybrid wave scattering by density fluctuations 9—94792
Ott, H. *see* Steiner, M. 9—51753
Ott, H.R., Fertig, W.A., Johnston, D.C., Maple, M.B., Matthias, B.T. Superconducting and magnetic properties of $ErRh_4B_4$ 9—56374
Ott, H.R., Kjems, J.K., Hulliger, F. Magnetic ordering in cerium monochalcogenides: a test case for ϵ expansion with n=4 9—61060
Ott, H.R. *see* Andres, K. 9—87071
Ott, H.R. *see* Batlogg, B. 9—61074
Ott, H.R. *see* Gubser, D.U. 9—60952
Ott, H.R. *see* Kjems, J.K. 9—65196
Ott, H.R. *see* Odoni, W. 9—60967
Ott, K.O. *see* Hanan, N.A. 9—49655
Ott, K.O. *see* Maudlin, P.J. 9—80979
Ott, N.L. *see* Springer, R.W. 9—91590
Ott, R. *see* Schurmann, J. 9—83892
Ott, R. *see* Schwarzmann, P.W. 9—88225
Ott, R.J. *see* Baker, R.D. 9—89182
Ott, R.J. *see* Bourquin, M. 9—71768
Ott, R.J. *see* Brown, R.M. 9—71761
Ott, W.R. NBS ultraviolet radiometric standards 9—49193
Ott, W.R., Rankin, D.T. Oxidation of sintered cobalt oxide 9—79137
Ottaviani, G. *see* Canali, C. 9—51442
Ottaviani, G. *see* Majni, G. 9—99442
Otte, V.A. *see* Almond, P.R. 9—53244
Otte, V.A. *see* Graves, R.G. 9—62347
Ottensmeyer, F.P., Bazett-Jones, D.P., Hewitt, J., Price, G.B. Structure analysis of small proteins by electron microscopy: valinomycin, bacitracin and low molecular weight cell growth stimulators 9—92453
Ottensmeyer, F.P., Bazett-Jones, D.P., Rust, H.P., Weiss, K., Zemlin, F., Engel, A. Radiation exposure and recognition of electron microscopic images of protamine at high resolution 9—62175
Otter, C., Arles, L. Measurement of thermal diffusivity of liquid tin by the flash-laser method. Conductivity of liquid tin in the temperature range from 1000 to 1900°C 9—99525

Otter, G., Remplewski, H., Rudolph, G., Becker, L., Klein, R., Lohmann, W., Schreiber, H.J., Bockmann, K., Idschok, U., Lowsky, J., Schroder, B., Kocher, D.J., Morrison, D.R.O., Wernhard, K.-L., Coghen, T., Barnham, K.W.J., Eason, R., Buschbeck, B., Markytan, M., Rohringer, H. Study of proton dissociation into ΔK^+ in 3-body final states at 10 and 16 GeV/c 9−85338
Otter, G. *see* Armstrong, T.A. 9−85344
Otter, G. *see* Girtler, P. 9−89197
Otter, J.M. *see* Vitti, J.A. 9−59121
Otterbein, S. Stability of 'quasi-steady' motions in a system with quasi-cyclic coordinates 9−88806
Otterloo, R.W.van *see* van Otterloo, R.W.
Otterlund, I. *see* Andersson, B. 9−75808, 9−75986
Otterlund, I. *see* Bhalla, K.B. 9−49636
Otterlund, I. *see* Ingelman, G. 9−97947
Otterlund, I. *see* Jakobsson, B. 9−93661
Otterman, J. Adjacency effects on imaging by surface reflection and atmospheric scattering: cross radiance to zenith 9−100939
Ottesen, D.K. *see* Shelby, J.E. 9−99240
Otteson, O.H., McAdams, R.E., Lind, V.G., Denig, W.F., Goulding, C.A., Greenfield, M., Plendl, H.S., Lieb, B.J., Stronach, C.E., Gram, P.A.M., Sharma, T. Quasi-free single nucleon removal in pi-nuclear scattering 9−85519
Otteson, O.H. *see* Lind, V.G. 9−85520
Otteson, O.H. *see* McAdams, R.E. 9−85498
Ottewitte, E.H. Fast molten chloride reactor on the thorium cycle 9−67839
Ottewitte, E.H. Evaluation of analytical capabilities for accurate prediction of isotopic correlation ratios 9−85620
Ottinger, C. *see* Ennen, G. 9−79232
Ottinger, C. *see* Kusunoki, I. 9−96299
Ottinger, Ch. *see* Ennen, G. 9−91920
Ottman, R.J. *see* Konowalow, D.D. 9−97997
Ottmar, H. *see* Eberle, H. 9−49691
Otto, A. *see* Grimm, E. 9−89861
Otto, D.C. *see* Caldwell, W.E. 9−71463
Otto, H. *see* Afanas'ev, V.A. 9−89400
Otto, H.H. Crystal data and crystal growth of Pb_3GeO_7 9−51076
Otto, H.H. *see* Holzapfel, W. 9−51070
Otto, L., Rohler, B., Bruch, H. FLUOVAL 2−the new fluorescence microscope 9−49281
Otto, P. AB initio calculations of the vertical interaction between two and three cytosine molecules 9−54772
Ottolenghi, M. *see* Druckmann, S. 9−57587
Ottolenghi, P. *see* Hansen, O. 9−83704
Ottonello, G., Piccardo, G.B., Mazzucotelli, A., Cimmino, F. Clinopyroxene-orthopyroxene major and rare earth elements partitioning in spinel peridotite xenoliths from Assab (Ethiopia) 9−62488
Ottonello, P., Pontiggia, C., Rossi, L. An ESPI apparatus with multichannel data acquisition 9−80671
Otts, J.V., Holmes, J.T., Seamons, L.O., Kuehl, D.J., Matthews, L.K., Davis, D.B., Arvizu, D.E., Darsey, D.M., Brandvold, G.E. The USA 5MW Solar Thermal Test Facility 9−62113
Otuka, A. *see* Miyamoto, Y. 9−78498
Otvos, J.W. *see* McGregor, K.G. 9−51669
Otvos, L. *see* Gacs, I. 9−57333
Ou, S.A. *see* Swanson, W.M. 9−62288
Ouahes, R. *see* Laidoudi, A. 9−99164
Ouaida, M.B., Bonet, C., Foex, M. Behaviour of ilmenite ores in the liquid state at high temperature (T>1500°C) 9−70100
Oualid, J., Sarti, D., Gervais, J., Martinuzzi, S. Characterisation of electron traps in Cu_2S-CdS polycrystalline cells by capacitance transient measurements 9−78163
Oualid, J. *see* Sorbier, J.P. 9−78232
Ouboter, R.de Bruyn *see* de Bruyn Ouboter, R.
Ouchi, K. Statistics of speckle focused through a hard-edged pupil 9−76594
Ouchi, K. *see* Seki, S. 9−63761
Ouchi, Y., Kato, E. The effects of alkaline earth metal oxides, nickel oxide, and cobalt oxide on the viscosity of lead-metasilicate melts 9−77663
Oudar, J. The reactivity of surfaces 9−92000
Oudar, J., Marcus, P. Role of adsorbed sulphur in the dissolution and passivation of nickel and nickel-sulphur alloys 9−66340
Oudar, J. *see* Marcus, P. 9−100469
Oudar, J.L., Kupecek, Ph.J., Chemla, D.S. Medium infrared tunable down conversion of a YAG-pumped infrared dye laser in gallium selenide 9−55183
Oudar, J.-L., Smith, R.W., Shen, Y.R. Polarization-sensitive coherent anti-Stokes Raman spectroscopy 9−75605
Ouden, L.W.J.den *see* den Ouden, L.W.J.
Oudin, J., Ravalard, Y., Stevenin, B. Some comments on instability, ductile fracture and formability limit diagrams 9−64589
Oudrhiri Safiani El Ghali *see* El Ghali Oudrhiri Safiani
Ouibrahim, A. Excess pressure drop of polymer solutions in laminar capillary tube flows 9−60038
Oura, K., Hanawa, T. LEED-AES study of the Au-Si (100) system 9−51457
Oura, N. *see* Fukuyo, H. 9−86965
Ourmazd, A. *see* Booker, G.R. 9−82606
Ouroushev, D. *see* Martinov, N. 9−69149
Ousaka, A. *see* Sekoguchi, K. 9−94744
Outhwaite, C.W., Bhuiyan, L.B., Levine, S. Calculation of the mean electrostatic potential in the electric double layer using the mean spherical approximation 9−74391
Outhwaite, C.W. *see* Thomlinson, M.M. 9−99049
Ouwerkerk, M.Van *see* Van Ouwerkerk, M.
Ouyang, C.F. *see* Wang, S.C.H. 9−64176
Ouzounian, G. *see* Michard, G. 9−52734, 9−74913
Ovadia, J. Treatment planning consideration 9−100732
Ovadyahu, Z., Entin-Wohlman, O. On the observation of phonon structure induced into normal metals by proximity effects 9−99659
Ovakimova, N.K. *see* Vartanyan, Yu.L. 9−62817
Ovander, L.N., Tyu, N.S. Raman scattering on nondipole vibrations of molecular crystals 9−95751
Ovanesyan, N.S. *see* Gusakovskaya, I.G. 9−62166
Ovasafyan, K.I. *see* Kazaryan, A.M. 9−95721
Ovcharenko, A.A. *see* Lesnik, A.G. 9−87610
Ovcharenko, V.E. *see* Dudarev, E.F. 9−66076
Ovcharenko, V.I. *see* Filippov, G.F. 9−97672
Ovcharenko, V.I. *see* Iliev, L.B. 9−51276
Ovcharenko, V.I. *see* Zlobintsev, G.M. 9−82574, 9−91019
Ovcharova, A.D. *see* Korableva, A.A. 9−66344
Ovchinnikov, A.A., Onishchuk, V.A. Homeopolar excitations in a one-dimensional system of spinless fermions with nonlocal interaction 9−97318
Ovchinnikov, A.A. *see* Berezhkovskii, A.M. 9−56175, 9−73801, 9−78063
Ovchinnikov, A.A. *see* Krivnov, V.Ya. 9−49160
Ovchinnikov, I.V., Konstantinov, V.N. Extra absorption peaks in EPR spectra of systems with anisotropic g-tensor and hyperfine structure in powders and glasses 9−51839
Ovchinnikov, K.V. *see* Semenov, G.A. 9−96354
Ovchinnikov, L.N. *see* Patrikeev, G.A. 9−70258
Ovchinnikov, O.P. *see* Alekseev, A.G. 9−50963
Ovchinnikov, P.F. Rheological equations of thixotropic-dilatant structures 9−64616
Ovchinnikov, V.A., Udoev, Yu.P. Effect of TIR on diffraction of light by a plane absorption grating 9−64330
Ovchinnikov, V.E., Solov'eva, L.P. Program for deducing symmetry operations of space groups from their symbolic notation 9−94942
Ovchinnikov, V.V., Litvinov, V.S., Charushnikova, G.A. Mossbauer investigation of the nature of irreversible temper embrittlement of iron-manganese alloys 9−74235
Ovchinnikov, V.V. *see* Litvinov, V.S. 9−99796
Ovchinnikov, Yu.V. *see* Bochkareva, G.G. 9−96168
Ovchinnikov, Yu.V. *see* Krylova, S.V. 9−87864
Ovchinnikova, A.A. *see* Gmitro, M. 9−89300
Ovchinnikova, E.N. *see* Kolpakov, A.V. 9−78594
Ovchinnikova, V.N. *see* Patrikeev, G.A. 9−70258
Ovechkin, A.V. *see* Kazachkovskii, O.D. 9−97803
Ovechkin, N.F. *see* Alimov, A.K. 9−83885
Ovechkin, N.F. *see* Umarov, G.Ya. 9−96480
Ovechkis, N.S., Gerasimovich, M.N. A study of color positive motion picture films characteristics 9−49323
Oved, Y. *see* Milinazzo, F. 9−77184
Ovejero Garcia, J. *see* Chene, J. 9−99234
Ovejero-Garcia, J., Chene, J., Gaunkar, G.V.P., Aucouturier, M. Autoradiographic evidence of carbon clustering in Fe-Ni-C martensite 9−83203
Overbeek, J.T.G. *see* Van Der Drift, W.P.J.T. 9−96323, 9−96373
Overbergh, N., Weinand, G., Smets, G. Radical block polymerization of vinyl chloride. III. Physical properties and morphology of block copolymers of PVC 9−82166
Overbey, D.R. *see* Simpkins, J.E. 9−82096
Overbo, I. Screening corrections in electron pair production by intermediate- and low-energy photons 9−49991
Overbye, D. Making it in Monterey 9−88593
Overcamp, T.J., Israel, G.W. Sensitivity analysis of a salt deposition model for natural draft cooling towers 9−83655
Overdijk, J., Uylings, H.B.M., Kuypers, K., Kamstra, A.W. An economical, semi-automatic system for measuring cellular tree structures in three dimensions, with special emphasis on Golgi-impregnated neurons 9−70720
Overell, J.S.W. *see* Mackenzie, G.A. 9−91449
Overend, J. *see* Golden, W.G. 9−65852
Overend, J. *see* Scanlon, K. 9−93993
Overgaard, J. *see* Nielsen, O.S. 9−74600
Overhauser, A.W. *see* Bishop, M.F. 9−78074
Overhauser, A.W. *see* Greenberger, D.M. 9−58616
Overhauser, A.W. *see* Kukkonen, C.A. 9−95357
Overhof, H. *see* Beyer, W. 9−73537
Overill, R.E. *see* Emsley, J. 9−98240
Overley, J.C., Ebright, R.P., Lefevre, H.W. Concentration profiling of boron in solids by neutron time-of-flight 9−51131
Overley, J.C. *see* Yu, L.L. 9−85472
Overman, E.A., II. *see* Hopf, F.A. 9−55095
Overmyer, K.M., Pearce, J.A., DeWitt, D.P. Measurements of temperature distributions at electro-surgical dispersive electrode sites 9−96519
Overshott, K.J. *see* Blundell, M. 9−73776
Overskei, D. *see* Gondhalekar, A. 9−60172
Overskei, D. *see* Schuss, J.J. 9−82078
Overskei, D.O., Gondhalekar, A., Hutchinson, I., Pappas, D., Parker, R., Rice, J., Scaturro, L., Wolfe, S. Low q operations in Alcator 9−60173
Oversluizen, T. *see* Schuchman, J.C. 9−81106
Overstraaten, R.van *see* van Overstraaten, R.
Overton, J.H., Jr., Aneja, V.P., Durham, J.L. Production of sulfate in rain and raindrops in polluted atmospheres 9−88388
Overton, W.C., Jr., Bartlett, R.J., Carlson, R.V., Weinstock, H. Observation of long N-S interfaces during normal zone propagation 9−56480
Overton, W.C., Jr. *see* Thompson, C.W., Jr. 9−60460
Overway, D. *see* Becchetti, F.D. 9−67694
Overweg, J.A., Walter-Peters, M.J. A miniature SQUID magnetometer for biomagnetic measurements with improved selectivity 9−63286
Ovezsokhatov, N.O. *see* Baum, V.A. 9−62017
Oviatt, V. Hospital engineering education in the USA 9−79668
Ovnatanov, S.T. *see* Tamrazyan, G.P. 9−83545
Ovrutskii, A.M. Calculating the face profiles of layerwise-growing crystals 9−60290
Ovsepyan, S.T. *see* Arutyunyan, G.M. 9−64746
Ovshinsky, S.R. Solar electricity speeds down to Earth 9−52932
Ovshinsky, S.R. The shape of disorder 9−64994
Ovsjannikov, V.D. *see* Kaganovich, E.B. 9−95295
Ovsyankin, V.V. *see* Bonch-Bruevich, V.A. 9−49293
Ovsyankin, V.V. *see* Ignat'ev, I.V. 9−69476
Ovsyannikov, B.M., Zakurdaev, A.G., Laz'ko, V.G. Effect of grain size and the amount of pearlite on the resistance to fracture of low-alloy steel 9−100255
Ovsyannikov, B.M. *see* Surovova, V.N. 9−96128
Ovsyannikov, G.A. *see* Gubankow, V.N. 9−56421
Ovsyannikov, G.A. *see* Vystavkin, A.N. 9−73644
Ovsyannikov, S.B. *see* Krasnokutski, V.V. 9−97829
Ovsyannikov, V.A. *see* Galiakberov, D.Sh. 9−81553
Ovsyuk, V.N. *see* Kvon Ze Don 9−69604, 9−95467
Ovsyuk, V.N. *see* Zakharov, A.K. 9−56323
Oweis, I.S. The relevancy of one dimensional shear models in predicting surface acceleration 9−88303
Owen, A.J. *see* Hoffmann, H. 9−56578
Owen, C.W. *see* Curtis, C.D. 9−71989
Owen, D.A., Steinitz, R. The dependence of the bound state Compton cross section and its infrared behaviour on binding and 'off-mass-shell' effects 9−63967
Owen, D.R. *see* Buhite, J.L. 9−94502
Owen, D.R.J. *see* Fawkes, A.J. 9−50652
Owen, F.N. *see* Gibson, D.M. 9−58379
Owen, J. *see* Adam, C.D. 9−51535
Owen, J.C. A variational theory of fermion matter with spin dependent correlations 9−63614
Owen, J.M., Pincombe, J.R. Vortex breakdown in a rotating cylindrical cavity 9−50731
Owen, J.R. *see* Canuto, V. 9−92666
Owen, L.B. *see* Goldberg, A. 9−91843
Owen, M.J., Cann, R.J. Fracture toughness and crack-growth measurements in GRP 9−83299
Owen, M.J., Griffiths, J.R. Internal reinforcement joints in GRP under static and fatigue loading 9−91776
Owen, P.G. *see* Buka, A. 9−82151, 9−82153
Owen, R.B., Hua-Kuang Liu Optical correlation of surface displacement 9−75499
Owen, R.M., Meyers, P.A., Mackin, J.E. Influence of physical processes on the concentration of heavy metals and oceanic carbon in the surface microlayer 9−57978
Owen, T. Abundances of isotopes in planetary atmospheres 9−58284
Owen, T. *see* Jaffe, W. 9−101114
Owens, A.J. The effects of fluctuation and noise on the neutron monitor diurnal anisotropy. III. Total vector anisotropy 9−53685
Owens, A.J. *see* Gombosi, T. 9−80257
Owens, D.A. The Mandelbaum effect: evidence for an accommodative bias toward intermediate viewing distances 9−79518
Owens, D.A. *see* Post, R.B. 9−53131
Owens, D.Kingston *see* Kingston Owens, D.
Owens, E. *(editor)* Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol.151. The Business Side of the Optics Industry IV: Managing Engineering and Research 9−81354
Owens, F.J. Raman evidence of librational fluctuations in KNCS phase transition 9−55885
Owens, F.J. Raman study of the lattice vibrations in the tetragonal to cubic phase transition of thallous and rubidium azide 9−77743

Owens, F.J. Raman scattering study of the external librational modes of the NO_3^- ion in the high temperature phase transitions of $CsNO_3$ and $RbNO_3$ 9−78662
Owens, G.A. ESR studies of TCNQ complex salts 9−56603
Owens, J.F. Quantum-chromodynamic predictions for the high-p_T baryon production 9−89125
Owens, J.F. High-p_T hadronic-jet production 9−89209
Owens, R.G. *see* Ball, A.P. 9−100936
Owens, R.L. *see* Post, R.B. 9−53131
Owens, R.O. *see* Flowers, A.G. 9−85459
Owens, R.O. *see* Leitch, M.J. 9−85451
Owers, P. *see* Casapieri, P. 9−66732
Owers-Bradley, J.R., Thomson, A.L., Richards, M.G. NMR measurements on ^{3}He adsorbed on graphite 9−51374
Owsik, J. *see* Badziak, J. 9−50870
Owsik, J. *see* Dubik, A. 9−90431
Oxenius, J. On the invariance of distribution functions 9−80433
Oxenius, J. Non-LTE line transfer with convective transport of excited atoms 9−88584
Oxford, G.S., Swenson, R.P. n-alkanols potentiate sodium channel inactivation in squid giant axons 9−83744
Oxley, P.L.B. *see* Challen, J.M. 9−87739
Oxtoby, D.W. Hydrodynamic theory for vibrational dephasing in liquids 9−64968
Oxtoby, D.W. *see* Abbott, R.J. 9−68222
Oxtoby, D.W. *see* Goulon, J. 9−69762
Oxton, I.A. *see* Knop, O. 9−82966
Oya, A., Mochizuki, M., Otani, S., Tomizuka, I. An electron microscopic study on the turbostratic carbon formed in phenolic resin carbon by catalytic action of finely dispersed nickel 9−77466
Oya, H., Morioka, A., Kondo, T. Locations of Jovian decametric radiation sources 9−75148
Oya, Y., Suzuki, T., Ichinose, Y. Saturation magnetization and Curie temperature in Ni-Pd-Mn ternary FCC solid solution [thermoseed implant] 9−61114
Oyabu, T. *see* Saito, S. 9−99060
Oyama, S. *see* Konno, M. 9−68469, 9−81615
Oyama, Y. *see* Nishizawa, J. 9−95284
Oye, H.A. *see* Brockner, W. 9−82368, 9−82369
Oye, H.A. *see* Kirkerud, T. 9−99874
Oye, H.A. *see* Torklep, K. 9−82003
Oyen, L.C., Kibbey, A.H. Volume reduction, solidification, and packaging of wastes from nuclear power plants 9−54572
Oystaeyan, B.Van *see* Van Oystaeyan, B.
Oystaeyen, B.Van *see* Van Oystaeyen, B.
Oytana, C. *see* Delobelle, P. 9−74215
Oza, D.H. *see* Callaway, J. 9−76516
Ozakcay, L., Rabl, A., Cole, R., Levitz, N., Schertz, W. Evaluation of heat transport methods from compound parabolic concentrators to storage 9−62102
Ozaki, H. *see* Mori, N. 9−56425
Ozaki, K., Tamiya, T. Decay widths for $V \rightarrow 3P$ in a Bethe-Salpeter model 9−58955
Ozaki, M., Kitagawa, Y., Hattori, S. Study on regional distribution of maximum earthquake motions in Japan 9−62461
Ozaki, M., Peebles, D.L., Weinberger, B.R., Chiang, C.K., Gau, S.C., Heeger, A.J., MacDiarmid, A.G. Junction formation with pure and doped polyacetylene 9−95474
Ozaki, M. *see* Fincher, C.R., Jr. 9−73979
Ozaki, N., Harada, I., Tokoi, H., Yamanouchi, A. Flow profile measurements of gas in a rotating cylinder [^{235}U enrichment] 9−49793
Ozaki, N. *see* Shibata, Y. 9−85805
Ozaki, N. *see* Tokoi, H. 9−50737
Ozaki, N. *see* Yamada, K. 9−54578
Ozaki, O. *see* Kakuta, A. 9−79295
Ozaki, Y. *see* Kameda, H. 9−84159
Ozawa, E. The failure and the defects of beta-silicon carbide whisker 9−96145
Ozawa, H. *see* Arata, Y. 9−49262
Ozawa, K. Magnetic domains on worked surfaces of Mn-Zn ferrites 9−99722
Ozawa, K., Matsuda, M. Computer assisted techniques for detecting underground remains based on acoustic measurements 9−76921
Ozawa, K. *see* Fujino, Y. 9−60416
Ozawa, K. *see* Yamaguchi, S. 9−65131
Ozawa, L. Determination of self-concentration quenching mechanisms of rare earth luminescence from intensity measurements on powdered phosphor screens 9−69880
Ozawa, S. Perturbation of domains and Green kernels of heat equations 9−68563
Ozawa, S. Perturbation of domains and Green Kernels of heat equations. II 9−97321
Ozawa, S., Fujiwara, S. Quantitative investigation into the nucleation mechanism of lead and silver films vacuum deposited onto SiO, carbon and mica substrates 9−77959
Ozawa, T., Takeuchi, Y., Mori, H. 145 Å superstructure in $Me_{(x+2)/3}T_{(x-2)/3}O_x$(Me=Mg, Sc; T=Si, Mg) 9−99143
Ozawa, T. *see* Nakamura, H. 9−96417
Ozawa, Y. *see* Kohsaka, M. 9−88165
Ozdemir, H. A finite element approach for cable problems 9−49041
Ozeki, M., Komeno, J., Shibatomi, A., Ohkawa, S. Effects of the growth conditions on the incorporation of deep levels in vapor-grown GaAs 9−95360
Ozeki, M., Shibatomi, A., Ohkawa, S. Bound-exciton luminescence associated with cobalt acceptors in vapor-grown GaAs 9−95818
Ozeki, M. *see* Yasuda, K. 9−83588
Ozeki, S. *see* Inque, T. 9−74759
Ozeki, T. *see* Furukawa, K. 9−70325
Ozel, M.E. *see* Hartman, R.C. 9−71105
Ozer, O. *see* Mosteller, R.D. 9−59126
Ozerno, L.M., Shishov, V.I. On determination of size of the point radiosource at the galactic centre 9−58427
Ozernoy, L.M. *see* Gurzadyan, V.G. 9−80335
Ozerov, V.D. *see* Nakalov, F.S. 9−57819, 9−92437, 9−92438
Ozerov, Yu.V. *see* Voronov, S.A. 9−76267
Ozerova, L.A. *see* Bytenskii, L.I. 9−91172
Ozerskii, V.Ya. *see* Kalnin', Yu.Kh. 9−90651
Ozhiganov, A.V. *see* Sagaradze, V.V. 9−52210
Ozhogin, V.I. Exchange enhancement of magnetoelasticity in antiferromagnets 9−87299
Ozhogin, V.I. *see* Averkin, A.N. 9−69706
Ozhogin, V.I. *see* Irshinskii, A.L. 9−61106
Ozier, I. *see* Kagann, R.H. 9−54845
Ozier, I. *see* Meerts, W.L. 9−94011
Ozima, M. *see* Honda, M. 9−66965
Ozisik, M.N. Basic heat transfer 9−94623
Ozisik, M.N., Kress, T.S., White, J.S. Condensation from a large HCDA vapor-gas bubble onto structures 9−93774
Ozisik, M.N. *see* Hassab, M.A. 9−86513
Ozisik, M.N. *see* Sutton, W.H. 9−90119
Ozkan, I., Goodman, L. Vibronic coupling and its effect on intensities in aromatic aldehyde triplet spectra 9−76461
Ozkan, S. *see* Demeester, M. 9−62404
Ozkaplan, H., Dinno, M.A., Schwartz, M. Structural dependence of the Seebeck effect of thin tellurium films 9−78230
Ozkaynak, A.I. The design of solid state trip system for nuclear power plants 9−63758
Ozker, M.S. Engineering and operational principles 9−54576
Ozker, M.S. *see* Moghissi, A.A. *(editor)* 9−54568
Ozolinsh, M.P. Pulse response of the electrooptic effect in PMN single crystals 9−87417
Ozols, A.O. The ultimate characteristics of amplitude-phase holograms recorded in additively coloured KBr crystals 9−59654
Ozols, A.O., Augustov, P.A., Shvarts, K.K. Diffraction efficiency of thin holograms when multiple internal reflection is present 9−55086
Ozols, R.Ya. *see* Blum, E.Ya. 9−94728
Ozrin, V.D. *see* Barabanenkov, Yu.N. 9−58634
P., G.del Conde *see* del Conde P., G.
Paakkari, T. *see* Holt, R.S. 9−91520
Paal, A. *see* Berecz, I. 9−62382
Paalanen, M.A. *see* Kokko, J. 9−55995
Paans, A.M.J., Vaalburg, W., Reiffers, S., de Graaf, E.J., Berrling-Van der Molen, H.D., Wiegman, T., Rijskamp, A., Woldring, M.G. The production of radionuclides for medical application with the 280 cm AVF cyclotron in Groningen 9−54696
Paar, H.P. *see* de Groot, J.G.H. 9−49462, 9−49521, 9−75764, 9−85292
Pabst, R.F., Elssner, G., Krohn, U. Determination of fracture-mechanical parameters of metal-ceramic composites at high temperatures 9−70136
Pac, C. *see* Caldwell, R.A. 9−79269
Pac, P.Y. *see* Kim, S.H. 9−82082
Pacansky, J., Dupuis, M. Ab initio study for the structure of propane and the n-propyl radical 9−98006
Pacati, F.D. *see* Boffi, S. 9−59054
Paccard, D., Le Roy, J., Moreau, J.M. Nd_5Ir_3: a new tetragonal phase with Ir-centred square antiprisms of Nd atoms 9−69064
Paccard, D. *see* Le Roy, J. 9−69057
Pace, E., Nunberg, P., Prosperi, D. Realistic interactions and variational calculations of the ground state properties of three body systems in a harmonic oscillator basis 9−71807
Pace, E. *see* Ciofi degli Atti, C. 9−71850
Pace, G.W. The use of binary stars as time markers in interstellar communication 9−101092
Pace, N.G., Dyer, C.M. Machine classification of sedimentary sea bottoms [sonar pattern recognition] 9−92626
Pace, P., Lacombe, M. Frequency characteristics of a miniature transversely excited CO_2 laser 9−98335
Pace, S. *see* Cucolo, A.M. 9−56408
Pacesova, S., Jastrabik, L. Radiative recombination at deep impurity centres in AlN:O 9−87490
Pacesova, S.J., Jastrabik, L. The energy spectrum of a deep impurity−oxygen in AlN 9−83035
Pacey, R.A. *see* Clark, J.B. 9−78947
Pachala, S. *see* Wdowczyk, J. 9−80150
Pacheco, J.A.De Freitas *see* De Freitas Pacheco, J.A.
Pacheu, Y. *see* Platau, G. 9−90011
Pachevskaya, G.N. *see* Balashov, Yu.S. 9−66101
Pachkovskii, L.S. *see* Bron, Yu.M. 9−79210
Pacholczyk, A.G. *see* Cocke, W.J. 9−53919
Paciesas, W.S. *see* Oda, M. 9−80220
Pacilio, N. *see* Colombino, A. 9−63711
Paciotti, M., Amols, H., Bradbury, J., Rivera, O., Hogstrom, K., Smith, A., Inoue, H., Laubacher, D., Sandford, S. Pion beam development for the LAMPF biomedical project 9−79629
Pack, D.C., Yamamoto, K. Conductance of long inclined tubes in collisionless flow 9−94661
Pack, I. *see* Mironenko, V.R. 9−63312
Pack, J.D., Monkhorst, H.J., Freeman, D.L. Lithium crystal properties from high-quality Hartree-Fock wave functions 9−60698
Pack, J.D. *see* Monkhorst, H.J. 9−51551, 9−60219
Pack, R.T. Pressure broadening of the dipole and Raman lines of CO_2 by He and Ar. Temperature dependence 9−68265
Pack, R.W. Human factors in nuclear power plants 9−89463
Packard, R.E. *see* Gordon, M.J.V. 9−55968
Packard, R.E. *see* Yarmchuk, E.J. 9−77851
Packer, B. *see* Allen, S.D. 9−64311
Packer, D.R., Cluff, L.S., Schwartz, D.P., Swan, F.H., III, Idriss, I.M. Auburn Dam. A case history of earthquake evaluation for a critical facility [California] 9−88284
Packer, O., Schintlmeister, W., Weirather, F. Effect of defined sintering atmospheres on the carbon content of hardened metal 9−95966
Packet, W., De Greve, J.P. Accretion onto ZAMS stars: application to β Lyrae and remarks on X-ray binaries 9−66994
Packham, D.E. *see* Evans, J.R.G. 9−74340
Paczynski, B. A model of selfgravitating accretion disk with a hot corona 9−62812
Paczynski, B. Ion viscosity in hot accretion disks 9−62813
Padadopoulos, S. *see* Contogouris, A.P. 9−63438
Padalia, B.D. *see* Koul, P.N. 9−78789
Padalia, T.D. Photoelectric photometry of the eclipsing binary EE Aqr 9−84817
Padalka, V.G. *see* Aksenov, I.I. 9−98996
Padalka, V.G. *see* Strel'nitskii, V.E. 9−90924
Padalko, V.N. *see* Eponeshnikov, V.N. 9−80921
Padam; G.K. *see* Sootha, G.D. 9−65738
Padamsee, H., Joshi, A. Secondary electron emission measurements on materials used for superconducting microwave cavities 9−56895
Paderin, L.Ya. Composite paraboloidal radiant energy concentrators 9−83561
Paderin, L.Ya. The effect of errors in their shape on the characteristics of ellipsoidal concentrators of radiant energy 9−96418
Paderno, V.N. *see* Gnesin, G.G. 9−96136
Paderno, V.N. *see* Lazorenko, V.I. 9−95281
Paderno, V.N. *see* Pilyankevich, A.N. 9−70152
Paderno, Yu.B. *see* Zhurakovskii, E.A. 9−94954
Padet, J. Some remarks about the informational meaning of entropy in statistical mechanics 9−63178
Padezhnova, E.M., Mel'nik, E.V., Dobatkina, T.V. Investigation into phase equilibria in Mg-Y-Zn system 9−74131
Padgett, R.A., Jr. *see* Carlson, P.T. 9−73348
Padgett, W.J. A stream-pollution model with random deoxygenation and reaeration coefficients 9−70472
Padilla, A., Jr., Smith, D.E. Applicability of TREAT TOP experiments to post-failure dynamics 9−49765
Padilla, R., Sohn, H.Y. The reduction of stannic oxide with carbon 9−61901
Padma, V.A. *see* Satyavathi, N. 9−95740
Padmanabhan, M. *see* Martin, C.S. 9−77235
Padmanabhan, P. *see* Jain, Y.K. 9−101044
Padmini, A.R.K.L. *see* Varkey, P.A. 9−69180
Padorin, G.V. *see* Zharkov, V.A. 9−97909
Padova, M.de *see* de Padova, M.
Padovini, G. *see* Gatti, E. 9−63868
Padrielli, L. *see* Fanti, R. 9−71142
Paduano, H.N., Acosta, R.J., Gould, A.J. Turkey Point steam generator repair and influence of water chemistry 9−54556
Paduch, M. *see* Denus, S. 9−85166
Padula, C.D.La *see* La Padula, C.D.
Padureanu, I., Rapeanu, S., Rotarescu, Gh. On the energy moments and high longitudinal frequency dispersion in liquid aluminium at various temperatures 9−60262
Padurets, L.N. *see* Irodova, A.V. 9−65061
Pae, K.D. *see* Scheinbeim, J. 9−90568
Paegle, J. The transient mass-flow adjustment of heated atmospheric circulations 9−53455
Paegle, J., Paegle, J. Frictional effects in strongly divergent flows 9−53434
Paegle, J. *see* Paegle, J. 9−53434
Paerschke, H., Susse, K.-E., Welsch, D.-G. Theory of direct photoisomerization of stilbene 9−79262
Paesler, M.A. *see* Anderson, D.A. 9−91585
Pagalyte, R.N. *see* Jucys, A.J. 9−69567

Pagani, C., Varisco, G. Model study of the RF cavity for the Milan superconducting cyclotron 9—54682
Pagani, C. *see* Acerbi, E. 9—54659
Pagani, C. *see* Attal, P. 9—54613
Pagani, C. *see* Bieth, C. 9—72118
Pagava, T.A. *see* Glurdzhidze, L.N. 9—69897
Page, A.A. *see* Nelson, G.J. 9—53827
Page, D.I. *see* Neilson, G.W. 9—60253
Page, D.N. Green's functions for gravitational multi-instantons 9—85050
Page, D.N. *see* Hawking, S.W. 9—93029
Page, E. *see* Bowen, H.J.M. 9—88490
Page, J.H., Prieur, J.-Y. Ultrasonic investigation of the piezoelectric ionic crystal β-AgI 9—77689
Page, R.J., Fink, C.L., Rothman, A.B., Lo, R.K., Robinson, L.E., Froehle, P.H. TREAT test H6-A 50 cent/s transient overpower accident simulation 9—93755
Page, R.J., Rothman, A.B., Schmidt, K.J., Fink, C.L., Mouring, R.W., Lo, R.K., Froehle, P.H., Johanson, E.W. TREAT TOP test H6—preliminary results 9—49763
Page, W.D., Alt, J.N., Cluff, L.S., Plafker, G. Evidence for the recurrence of large-magnitude earthquakes along the Makran coast of Iran and Pakistan 9—79754
Page, W.D., Savage, W.U., Alt, J.N., Cluff, L.S., Tocher, D. Seismic hazards along the Makran coast of Iran and Pakistan: the importance of regional tectonics and geologic assessment 9—88295
Pagels, H. Dynamical chiral symmetry breaking in quantum chromodynamics 9—71717
Pagels, H. *see* Langacker, P. 9—63427
Pagels, H. *see* Marciano, W. 9—67498
Pager, J. *see* Gervais, R. 9—79565
Pages, M. *see* Cousson, A. 9—55704, 9—73142, 9—90603
Pages, M. *see* Tabuteau, A. 9—99133
Pages, P. *see* Lochard, J. 9—93840
Paget, D. *see* Nakamura, A. 9—65770
Paglietti, A. Interrelation between time-rates of temperature and deformation in continuum thermodynamics 9—63179
Paglietti, A. On the mathematical formulation of the first principle of thermodynamics for non-uniform temperature processes 9—71388
Paglione, R. *see* Mendecki, J. 9—62296, 9—100696
Pagliuca, N. *see* Bellucci, F. 9—96366
Pagni, P.J. *see* Sahota, M.S. 9—86507
Pagotto Yoshida, I.V. *see* Hase, Y. 9—69817, 9—87424
Pagter, J.De *see* De Pagter, J.
Pahin, J.-P. *see* Martin, R. 9—69833
Pahlm, O., Borjesson, P.O., Johansson, K., Jonson, B., Petersson, K., Sornmo, L., Werner, O. Efficient data compression and arrhythmia detection for long term ECGs 9—70678
Pahoja, M.H. A review of solar pumps and their principles 9—74506
Pahoja, M.H., Nanda, S.K. Comparative performance of tracking type and non-tracking type solar collectors 9—62118
Pahuta, P. *see* Galland, J. 9—91881
Pahutova, M., Cadek, J., Rys, P. Some effects of applied stress changes in creep of class I alloys 9—70126
Pahutova, M., Cadek, J., Rys, P. Phenomena connected with applied stress changes in creep of alpha zirconium 9—96085
Pai, B.C. *see* Ramachandran, B.E. 9—70178
Pai, H.L., Andrews, D.G. Empirical formulas for 14 MeV neutron induced (n,α) cross sections 9—63662
Pai, H.L., Andrews, D.G. The (3Z-A) dependence of prompt-neutron yield ($\bar{\nu}$) from spontaneous fission of transuranics 9—67799
Pai, Y.H.F. *see* Bree, A. 9—56807
Pai Verneker, V.R. *see* Nottenburg, R.N. 9—99367
Paic, G., Antolkovic, B., Djalocis, A., Alderliesten, C., Bojowald, J., Mayer-Boricke, C. Continuous particle spectra from α-induced breakup of α-particles at E_α=130 MeV 9—76013
Paic, G. *see* Alderliesten, C. 9—76005
Paic, G. *see* Delbar, T. 9—76000
Paic, G. *see* Stipcic, N. 9—97927
Paidassi, S. Superconducting A15 compounds of the Nb-Ge, Nb-Si and Nb-Ge-Si systems prepared by chemical vapor deposition 9—60949
Paidassi, S. Superconductivity at 23K in A15 $Nb_3(Ge,Si)$ prepared by CVD 9—87177
Paidoussis, M.P., Helleur, C. On ovalling oscillations of cylindrical shells in cross-flow 9—86375
Paidoussis, M.P., Pettigrew, M.J. Dynamics of flexible cylinders in axisymmetrically confined axial flow 9—64757
Paidoussis, M.P. *see* Hannoyer, M.J. 9—64499, 9—64500
Paier, K. *see* Gerlach, E. 9—56212
Paige, F.E., Trueman, T.L., Tudron, T.N. Estimates of W production with polarized protons 9—63538
Paige, J.I. *see* Nafziger, R.H. 9—61900
Paik, D. *see* Zucker, I.J. 9—51185
Paik, H.J. New null experiment to test the inverse square law of gravitation 9—71346
Paik, H.J. *see* Wagoner, R.V. 9—71347
Paikens, G.R. *see* Bariss, V.O. 9—69462
Pailthorpe, B.A. *see* Chan, D.Y.C. 9—73080
Paimushin, V.N. *see* Vakhitov, M.B. 9—94497
Pain, J. *see* Bricaud, B. 9—89569
Paine, B.M., Williams, J.S., Austin, M.W., Celler, G.K. Comparison of laser annealing (pulsed and continuous) and furnace annealing of low-solid solubility, Pb-implanted Si 9—73184
Paine, D.A., Pensinger, W.L. A dynamical theory describing superconductant DNA 9—62172
Paine, D.R. *see* Carrell, R.D. 9—54575
Paine, R.T. *see* Coleman, W.F. 9—50043
Paineau, R. *see* Tronc, M. 9—76523, 9—86074
Paineau, R. *see* Ziesel, J.P. 9—54977
Painter, P.C. *see* Holland-Moritz, K. 9—87435
Painter, P.C. *see* Petcavich, R.J. 9—87437
Paipetis, S.A. Dynamic properties of plastically pretorsioned mild steel 9—83267
Paipetis, S.A. *see* Paolinelis, S.G. 9—81729
Pais, A. *see* Georgi, H. 9—67512
Paiva, J.A.C.de *see* de Paiva, J.A.C.
Paja, A., Kulakowski, K. Electrical and magnetic properties of the FeTi alloy near the order-disorder transition 9—82576
Pajaczkowska, A., Pauthenet, R. Magnetic studies of $Hg_{1-x}Mn_xS$ and $Hg_{1-x}Mn_xSe$ solid solutions 9—51758
Pajanne, E. *see* Arponen, J. 9—56146
Pajkowski, H.R., Pathria, R.K. Effect of boundary conditions on superfluid helium in capillaries below 0.5K 9—69307
Pajot, C. *see* Hamelin, J. 9—58161
Pak, A.S., Tarasov, A.V., Uzhinskii, V.V., Tseren, Ch. Phase function in nucleus-nuclear scattering 9—80953
Pak, A.S., Uzhinskii, V.V., Tseren, Ch. On nucleus-nucleus interaction at high energies 9—89327
Pak, G.T. *see* Bogatov, A.P. 9—64230, 9—68394
Pak, K., Nishinaga, T. Suppression of thermal damage of InP by adding Ar in H_2 atmosphere 9—100275
Pak, K., Nishinaga, T., Nakamura, T. Two-dimensional computer analysis of liquid phase epitaxy 9—95286
Pak, N.K., Senjanovic, P. Lorentz invariance of two-dimensional quantum chromodynamics 9—67504
Pak, N.K., Senjanovic, P. Lorentz invariance of two-dimensional quantum chromodynamics 9—93339
Paker, Y. *see* Dhanendran, M. 9—100760
Pakhalov, V.B., Chirkin, A.S., Yusubov, F.M. Ultimate resolution of a polarizing interferometer and measurement of the radius of curvature of the phase front of laser beams 9—88997
Pakhanov, N.A. *see* Kravchenko, A.F. 9—82670
Pakhomov, A.A. *see* Gol'tsman, F.M. 9—74857
Pakhomov, A.V. Devices to reduce noise and vibration on machine tools 9—50506
Pakhomov, E.P., Shabashov, V.I. Equivalent energy circuit of the diagonal channel of an MHD generator 9—55571
Pakhomov, E.P. *see* Afanas'ev, A.A. 9—60206
Pakhomov, L.N. *see* Gusev, A.A. 9—72611
Pakhomov, N.I., Sdobnov, V.E. The energy and time distributions of the neutrons in a neutron supermonitor 9—84611
Pakhomov, P.M., Novak, I.I., Shablygin, M.V., Aleshina, N.N. Determination of the activation energy of conformation changes in polymers 9—57220
Pakhomov, V.I., Sil'nitskaya, G.B., Kazurov, B.K., Rez, I.S. Influence of impurities on certain features of the real structure of KH_2PO_4 crystals 9—99224
Pakhomov, V.I. *see* Ilyukhin, V.V. 9—55723
Pakhomov, V.V. *see* Afanas'ev, V.A. 9—97832
Pakhomov, V.V. *see* Kazachkovskii, O.D. 9—97803
Pakhomov, V.V. *see* Makovskii, A.A. 9—97781
Pakhomova, L.M. *see* Gel'fond, Yu.V. 9—67248
Pakhotin, A.D. *see* Slutskovskii, A.I. 9—74984
Pakosh, V.A. *see* Vigak, V.M. 9—68546
Pakratov, B.M. *see* Alifanov, O.M. 9—93110
Pakti, A.V. *see* Kosta, S.P. 9—96474
Pakula, T., Galeski, A., Piorkowska, E., Kryszewski, M. Method of determining the kinetics of spherulite primary nucleation from the truncation of spherulites 9—69031
Pakula, T., Grebowicz, J., Kryszewski, M. The effect of the phase structure on the modulus of elasticity of polymer mixtures 9—70107
Pakula, T., Pluta, M., Kryszewski, M. The effect of morphology on the viscoelastic properties of polyethylene 9—51008
Pakulin, V.N. Axisymmetric high-frequency optical-dispersion element 9—80718
Pakulov, S.N. *see* Avdeenko, A.A. 9—87485
Pakvasa, S., Sugawara, H. Evading the axion without massless quarks 9—63403
Pakvasa, S. *see* Barger, V. 9—71685, 9—93404, 9—97618
Pakvasa, S. *see* Ma, E. 9—93332
Pakvasa, S. *see* Cence, R.J. *(editor)* 9—49485
Pal, A.K. *see* Bandyopadhyay, S.K. 9—60937, 9—65096
Pal, A.K. *see* Chaudhuri, S. 9—95615
Pal, B.P. *see* Sodha, M.S. 9—62117
Pal, D. Field testing of 5-kW commercial wind generator with an automatic load-matching device for utilizing its output 9—70418
Pal, D., Parker, C.E. A technique for longitudinal correlation of wind data-theory and its applications to siting of wind power plants 9—70422
Pal, P.C. The propagation of SH-type waves in two heterogeneous media overlying a homogeneous half-space 9—62446
Pal, P.C., Khurana, K.K., Unnikrishnan, P. Two examples of spectral approach to source depth estimation in gravity and magnetics 9—92631
Pal, S. *see* Agrawal, H.C. 9—70459
Pal, S.G., Dass, S. Fine structure of the heart cells of an Indian bivalve mollusc 9—92188
Pal, S.K., Sen Gupta, S.P. The Morse potential and a simple theoretical model for the thermal expansion studies in pure metals 9—77775
Pal, S.R. *see* Ryan, J.S. 9—53513
Pal'-Val', L.N. Changes in the dislocation internal friction in lead under the action of ultrasonic vibrations 9—69630
Pal'-Val', P.P. Influence of high-amplitude ultrasonic vibrations on the dislocation internal friction in antimony at low temperature 9—90727
Palacio, C. *see* Climent, A. 9—87386
Palacio, F. *see* Altmann, S.L. 9—92977
Palacios, J. *see* Dillow, C.F. 9—80633
Palacios, J.M. *see* Rodriguez de Avila, C. 9—98671
Palacios, J.Tejada *see* Tejada Palacios, J.
Palacios, L. The Spanish reactor program; its past history and future prospects 9—59115
Palacky, G.J., Kadekaru, K. Effect of tropical weathering on electrical and electromagnetic measurements 9—88246
Palagi, L. *see* Alessio, L. 9—70669
Palagyi, T. *see* Gacs, I. 9—57333
Palaiya, R.M. *see* Srivastava, K.N. 9—64584
Palamarchuk, B.I. *see* Borisov, A.A. 9—64737
Palamarchuk, Ye.K., Polezhayev, A.A., Solyanik, G.I., Chernavskii, D.S., Burlakova, Ye.B. Mathematical model of membrane regulation of the cell cycle 9—92180
Palaniappan, P.R. *see* Ramaswamy, K. 9—51224
Palanna, O.G., Shashi Mohan, A.L., Biswas, A.B. Electrical properties of the Fe_2O_3-V_2O_5 system 9—51576
Palanna, O.G., Shashimohan, A.L., Biswas, A.B. Studies on the electrical and magnetic properties of 3d transition metal vanadates 9—78094
Palano, A. *see* Armstrong, T.A. 9—85344
Palano, A. *see* Evangelista, C. 9—75788, 9—80843
Palanque, S. *see* Allemand, L. 9—81126
Palant, Yu.A. *see* Kulesko, N.A. 9—76979
Palatnik, L.S., Fal'ko, I.I. The crystal chemistry of lanthanide compounds with a Cu_3Au lattice 9—86744
Palatnik, L.S., Kopach, V.R., Pozdeyev, Yu.L., Skatkov, I.B. Mechanism for the variation of the electrical conductivity of amorphous oxide films during their heat treatment 9—82593
Palatnik, L.S., Koz'ma, A.A., Fuks, M.Ya., Fogel', Ya.M., Tishchenko, L.P. Radiation-induced polymorphism in Ag-He solid solutions 9—86810
Palatnik, L.S., Ravlik, A.G., Abramenko, B.A., Lukashenko, I.L. Magnetic properties of alloy Co-Cr films in the range of the transition from the 'thin-film' to the 'hypocritical' state 9—51824
Palatnik, L.S., Ravlik, A.G., Samofalov, V.N., Ionova, E.N., Polotskii, V.A. Influence of stress-induced uniaxial anisotropy on the domain structure of hypercritical films 9—69703
Palazotto, A.N. *see* Witt, W.P. 9—77006
Palazzi, M. *see* Fourcroy, P.H. 9—66047
Palazzi, P. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Palazzi, P. *see* Groot, J.G.H. 9—93395
Palazzi-Cerrina, C. *see* Angelini, C. 9—67548
Palazzi-Cerrina, C. *see* Evangelista, C. 9—75788, 9—80843
Palbol, J. *see* Dorph, S. 9—62334
Palchikov, V.G. *see* Zapryagaev, S.A. 9—63939
Paldus, J. *see* Adams, B.G. 9—89613
Paldus, J. *see* Suate, M. 9—81157
Palecek, E. *see* Vorlickova, M. 9—100678
Palekhin, V.P. *see* Kuntsevich, S.P. 9—69709
Palenik, M. Solar energy in Central Europe 9—83563
Palenzona, A., Cirafici, S. The ytterbium-gallium system 9—52169
Palenzona, A. *see* Fornasini, M.L. 9—99118
Palenzona, A. *see* Iandelli, A. 9—77569
Paleologou, E.V. *see* Mouschovias, T.Ch. 9—62884
Palermo, L., da Silva, X.A. Spin polarization of a magnetic electron gas induced by a van Vleck ion 9—56176
Palev, T.D. Fixed order matrix elements of the parafermi operators 9—54044
Palev, T.D. Lie algebraic aspects of quantum statistics parafermi statistics 9—54045
Palevsky, H. *see* Marlow, D. 9—85564

Palewska, K., Ruziewicz, Z. Hexahydrohexahelicene—a non-planar composite molecule with highly resolved electronic spectra in a frozen n-alkane matrix 9—76463

Palframan, A., Meire, H.B. Real-time ultrasound. A new method for studying gall-bladder kinetics 9—100682

Palgi, L. *see* Mannik, R. 9—71743

Pal'guev, S.F. *see* Gil'derman, V.K. 9—82478

Palik, E.D., Gibson, J.W., Holm, R.T. Internal-reflection-spectroscopy study of adsorption of water on CaF_2 surfaces 9—77920

Palimaka, J.J., Bridle, A.H., Fomalont, E.B., Brandie, G.W. A preferred orientation for large radio sources relative to their elliptical galaxies 9—92880

Palimaka, J.J. *see* Goodson, R.E. 9—97074

Paling, M.R. Contrast dose for enhancement of computed tomograms of the brain 9—88193

Palit, S.R. Novel membraneless electrophoresis of a water-immiscible liquid in bulk 9—57240

Palit, S.S. *see* Maiti, M. 9—64507

Palitsyna, I.A. *see* Klinkov, V.K. 9—99856

Palkina, K.K. Crystal chemistry of condensed phosphates 9—86745

Palkina, K.K., Maksimova, S.I., Lavrov, A.V., Chalisova, N.A. Synthesis and structure of palladium polyphosphate $Pd(PO_3)_2$ crystals 9—90623

Palko, A.A. *see* Posey, F.A. 9—96193

Palko, E.V. *see* Grekhov, I.V. 9—95487

Palla, G., Pegel, C. Inelastic scattering of helions from even-even stable samarium isotopes at 40.9 MeV 9—67640

Palleau, J. *see* Ribault, M. 9—90803

Paller, J.S. *see* Pietri, C.E. 9—81046

Pallix, J.B. *see* Dosser, L.R. 9—52695

Pallotta, M. *see* Esposito, B. 9—63489

Pallotti, C. *see* Deninno, M.M. 9—79705

Pallotti, G. *see* Deninno, M.M. 9—79705

Pallottino, G.V. *see* Amaldi, E. 9—67217

Pallottino, G.V. *see* Bonifazi, P. 9—67216

Palm, E., Tveitereid, M. On heat and mass flux through dry snow 9—57980

Palm, G., Braitenberg, V. Tentative contributions of neuroanatomy to nerve net theories 9—74625

Palm, K. *see* Carius, W. 9—80701, 9—85967

Palm, L., Bruch, H., Bachem, K.H., Balk, P. Effect of oxygen injection during VPE growth of GaAs films 9—100057

Palma, A., Goscinski, O. ESCA peak intensities in water in the sudden approximation 9—54911

Palma, A., Poulain, E., Goscinski, O., Wahlgren, U. Vibrational structure in inner-shell ionization of CO calculated with the sudden approximation 9—50002

Palma, A. *see* Adamou, A. 9—86279

Palma, A. *see* Goscinski, O. 9—59332

Palma, C. *see* Cesini, G. 9—72505

Palma, C. *see* De Santis, P. 9—76783

Palma, M.U. *see* Indovina, P.L. 9—66361

Palma, M.U. *see* Vento, G. 9—66362

Palmas, G. *see* Bergamini, P.G. 9—76254

Palmason, G.G. *see* Angenheister, G. 9—57889

Palmeiri, L. *see* Adamou, A. 9—86279

Palmer, A.J. Recoil labelling of fluorine-18 labelled chlorofluoromethanes and tetrafluoromethane 9—52732

Palmer, A.J. Nonlinear optics in radiatively cooled vapors 9—81477

Palmer, A.L. *see* Lytle, J.D. 9—59786

Palmer, B.D., Rowe, M.W. Al^{26} content of the Dalgety Downs meteorite 9—75167

Palmer, C.G. *see* Morris, S.M. 9—96612

Palmer, C.H., Fick, S.E. New optical instrument for acoustic emission 9—79217

Palmer, C.H. *see* Fick, S.E. 9—76930

Palmer, D.A., Clendenin, J.E. Recycling of butanol from irradiated target material 9—63852

Palmer, D.J., Dickens, P.G. Tungsten dioxide: structure refinement by powder neutron diffraction 9—99139

Palmer, D.R. A path-integral approach to the parabolic approximation. I 9—98533

Palmer, D.W. Design and performance of geothermal hybrid microcircuits 9—96845

Palmer, D.W. *see* El-Atawy, S.A. 9—60392

Palmer, D.W. *see* Kaim, R.E. 9—82270, 9—82271, 9—86813, 9—99252

Palmer, H.J. *see* Donaldson, T.L. 9—92025

Palmer, H.J. *see* Maheshri, J.C. 9—95146

Palmer, I.D., Jackson, J.C., Hones, E.W., Jr. The solar proton event of April 16, 1970. III. Evolution of pitch angle distribution as ≲1-MeV protons propagate into the high-latitude magnetotail 9—53670

Palmer, I.D., Jackson, J.C., Hones, E.W., Jr. Entry of solar protons to the plasma sheet and lobe of the magnetotail at $r \approx 18\ R_E$ in the event of April 22, 1971 9—101026

Palmer, J.M. Spectral radiant exitance of a nonisothermal cavity radiator 9—50569

Palmer, J.M. Attaining optimum bias of a $Hg_{1-x}Cd_xTe$ photoconductive infrared detector 9—58789

Palmer, M.A. *see* Anthes, J.P. 9—87528

Palmer, M.H., Moyes, W., Speirs, M., Ridyard, J.N.A. The electronic structure of substituted benzenes; ab initio calculations and photoelectron spectra for phenol, the methyl- and fluoro-derivatives, and the dihydroxybenzenes 9—49937

Palmer, R.A., Lindberg, W.R., Hench, L.L. Fatigue properties of $Li_2O.2SiO_2$ glass and glass-ceramic 9—91820

Palmer, R.B. *see* Baltay, C. 9—75770

Palmer, R.B. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347

Palmer, R.G., Pond, C.M. Internal field distributions in model spin glasses 9—73740

Palmer, S.B. *see* Whitehead, D.G. 9—90101

Palmeri, A. *see* Legrain, R. 9—85499

Palmeter, A. *see* Brown, J.F. 9—100885

Palmgren, O. *see* Underdal, L. 9—86724

Palmier, M. *see* Dumoulin, Ph. 9—91788

Palmieri, V. *see* Stewart, S.F.C. 9—83707

Pal'mina, N.P. *see* Pulatova, M.K. 9—92289

Pal'mina, N.P. *see* Rikhireva, G.T. 9—53193

Palmonari, F. *see* Basile, M. 9—76275

Palombarini, G. *see* Felloni, L. 9—70206

Palomino, G., Nepamuceno, F., Villalobos-Peitrini, R. A general description of barley coleoptile growth behavior under low LET radiations 9—88122

Palovskikh, L.K. *see* Kogan, L.A. 9—70409

Pals, J.A., Dobben, J. Microwave-induced superconductivity in aluminium strips above the critical temperature 9—56364

Palscyk, J.A. *see* Van Workum, J. 9—59740

Palthe, D.W.Van Wulfften *see* Van Wulfften Palthe, D.W.

Palti, Y. *see* Ganot, G. 9—92170

Paltiel, Z., Fraenkel, Z. Dynamic excitation in the fission of ^{240}Pu 9—67792

Paltridge, G. The problem with climate prediction 9—92570

Paltridge, G.W. Climate and thermodynamic systems of maximum dissipation 9—70881

Paltridge, G.W. *see* Stephens, G.L. 9—79931

Pal'tsev, G.P. *see* Loznevoi, G.I. 9—58819

Palumbo, A. Evidence for interfacial effects between oceanic and atmospheric lunar tides 9—100871

Palumbo, F. *see* Ferrara, S. 9—97535

Palumbo, F. *see* Lo Iudice, N. 9—93483

Palumbo, L.J. *see* Champagne, L.F. 9—55115

Palumbo, L.J. *see* Johnson, T.H. 9—59676

Palusamy, S. *see* Hall, C.A. 9—72854

Palvadeau, P. *see* Venien, J.P. 9—95402

Palychikov, V.G. *see* Zapryagaev, S.A. 9—97989

Palyonov, A.M. *see* Dolbilkina, N.A. 9—57870

Pama, R.P. *see* Cook, D.J. 9—52320

Pambukhchyan, N.Kh. *see* Vitovskii, N.A. 9—56228

Pamfilov, E.A., Maiorov, V.V., Buglaev, A.M. Low-temperature wear-test system 9—52523

Pamidi, M.R., Advani, S.H. Creep and relaxation properties of brain tissue 9—92263

Pamplin, B., Feigelson, R.S. Spray pyrolysis of $CuInSe_2$ and related ternary semiconducting compounds 9—95953

Pamplin, B.R. Spray pyrolysis of ternary and quaternary solar cell materials 9—70004

Pamplin, B.R., Feigelson, R.S. New phases in the Cd-Ge-As system 9—69226

Pamplin, B.R., Kiyosawa, T., Masumoto, K. Ternary chalcopyrite compounds. I. Nonstoichiometry and solid solution 9—70048

Pampuch, R., Blazewicz, S., Chlopek, J. Silicon carbide coatings on carbon fibres 9—52408

Pamukchiev, L. Contactless thickness and density measurements with radioactive isotopes 9—80578

P'an, A. *see* Desaulniers, G. 9—100556

Pan, C. Determination of hydration number of an electrolyte by vapor pressure measurements 9—87868

Pan, C.K. *see* Yu Mung Shih 9—61139

Pan, F.P. *see* Stroud, D. 9—95387

Pan, J.D. *see* Cahn, J.W. 9—77833

Pan, J.D. *see* Hwang, J.C.M. 9—77839

Pan, R.C. *see* Weissman, M.B. 9—70508

Pan, V.M., Bulakh, I.E., Kasatkin, A.L., Shevchenko, A.D. Dielectric phase transition in superconducting ZrV_2, HfV_2 compounds 9—65525

Pan, V.M., Gololobov, E.M., Gorbach, V.G., Litvin, S.E., Nikitin, B.G., Beletskii, Yu.I., Samsonov, Yu.I., Tyavloskii, V.I. A low temperature feature of the Wiedemann-Franz law in ageing alloys 9—78076

Pan, V.M., Kulik, O.G., Latysheva, V.I. Influence of silicon on the constitution of niobium-germanium alloys and their critical temperature of the transformation to the superconducting state 9—78244

Pan, V.M., Nikitin, B.G., Korostil, A.M., Nemoshkalenko, V.V., Dovgopol, V.P., Dekhtyar, I.Ya., Nishchenko, M.M., Taksey, Y.A. Low-frequency phonon spectrum peculiarities of Sn-Pb alloys 9—60463

Pan, V.M., Shevchenko, A.D., Jurisch, M. Characteristics of the electron spectrum of V_3Si 9—95320

Pan, V.M., Vulakh, I.E., Kasatkin, A.L., Shevchenko, A.D. Origin of the anomalous temperature dependences of the electrical resistivity and magnetic susceptibility of ZrV_2 and HfV_2 9—69491

Pan, V.M. *see* Belous, N.A. 9—82716

Pan, Y.L. *see* Auerbach, J.M. 9—98979

Pan Cheng-huang Electron binding energies accurately determined by X-ray photoelectron spectroscopy 9—54821

Pan Guo-shui *see* He An-zhi 9—55195

Pan Huasheng *see* Chao Jiping 9—84446

Pan Liang-Ru On frozen-in and resistive force-free magnetic fields 9—80210

Pan Lin-zhiang, Yu Yong-qin The determination of the nuclear quadrupole resonance spectrum of N^{14} in trimethylene trinitroamine 9—91310

Pan Yuh-Kang *see* Yuh-Kang Pan

Pan Zhong-xiong *see* Xu Zhi-zhan 9—63807

Panacharoensawad, B., Ostgaard, E. Variational calculations for liquid ^3He 9—77854

Panachev, F.I. *see* Korableva, E.Yu. 9—93198

Panada, P.C., Ruoff, A.L. The relation of the yield stress of high-pressure anvils to the pressure attained at yielding and the ultimate attainable pressure 9—54150

Panagia, N., Kaila, K., Zissell, R.E. Supernova in NGC 4321 9—58363

Panagia, N., Zamorani, G. On the nature of the galactic gamma-ray sources 9—71152

Panagiotopoulos, P.D., Hadrian, U. Superpotential flow problems and application to metal forming processes with friction boundary conditions 9—66119

Panaiotov, I., Dimitrov, D.S., Ivanova, M.G. Influence of bulk-to-surface diffusion interchange on dynamic surface tension excess at uniformly compressed interface 9—56042

Panajkar, M.S., Rao, K.N. Radiation induced emulsion polymerization of vinylidene chloride 9—74383

Pananakakis, G., Kamarinos, G., Viktorovitch, P. Influence of kinetic and electrostatic properties of interface states on the efficiency of a MIS tunnel solar cell 9—52933

Panarin, M.V. *see* Dmitriev, P.P. 9—67760

Panasenko, B.V. *see* Belyi, N.N. 9—78136

Panasenko, G.D. An earthquake in the Kandalaksh Gulf region of the White Sea in 1542 9—74854

Panasyuk, I.O. *see* Zhorov, G.A. 9—86912

Panasyuk, L.M. *see* Manushevich, G.N. 9—50397

Panasyuk, M.I., Sosnovets, E.N., Tverskaya, L.V., Khorosheva, O.V. Development of global fine structural formations in the magnetosphere during substorms 9—58190

Panasyuk, M.I. *see* Kovtyukh, A.S. 9—80083

Panasyuk, V.V., Ratych, L.V., Dmytrakh, I.N. Testing machine for investigating the kinetics of fatigue cracking of specimens loaded in pure bending 9—52477

Panattoni, L., Wallis, J.R. The Arno River flood study (1971-1976) 9—88373

Panayirci, E. A parametric pattern recognition model for classification of electroencephalograms (EEG) 9—79665

Panayotatos, N., Wells, R.D. Recognition and initiation site for four late promoters of phage T7 is a 22-base pair DNA sequence 9—74597

Panayotounakos, D.E., Kounadis, A.N. Elastic stability of a simple frame subjected to a circulatory load 9—94532

Panayotounakos, D.E., Theocaris, P.S. Flexibility matrix for skew-curved beams 9—98620

Panchenko, L.B. *see* Voitsekhovskii, A.V. 9—74003

Panchenko, O.A. *see* Bozhko, S.I. 9—91036

Panchenko, O.A. *see* Grishin, A.M. 9—60796

Panchenko, S.V. *see* Tsederberg, N.V. 9—55307

Panchenko, V.A. *see* Vyaznikov, V.V. 9—53624

Panchenko, V.F. *see* Basia, D.F. 9—51965

Pancheri-Srivastava, G., Srivastava, Y. Energy-momentum distribution in e^+e^- annihilation 9—71696

Pancheva, G.D. *see* Blinov, A.A. 9—49251

Pancholy, R.K. *see* Kuhlmann, G.J. 9—61772

Panczyk, J. *see* Kozlowska, E. 9—87592

Panda, J., Roy, J.S., Mishra, K.C. Harmonically oscillating visco-elastic boundary layer flow 9—55401

Panda, K.C. *see* Behera, B. 9—93658

Panda, T.Ch. *see* Mishra, S.P. 9—68804

Pandalai, K.A.V. *see* Prathap, G. 9—64559

Pande, A.K. *see* Durgapal, M.C. 9—62864

Pande, B.M. *see* Anand, M.S. 9—77642

Pande, C.S. Transmission electron microscopy of radiation damage in Nb_3Sn 9—65122

Pande, C.S., Viswanathan, R. The nature of the defects in irradiated A-15 compounds 9—56349

Pande, G.D. *see* Patel, J.S. 9—62085

Pande, K., Reep, D., Srivastava, A., Tiwari, S., Borrego, J.M., Ghandhi, S.K. Device quality polycrystalline gallium arsenide on germanium/molybdenum substrates 9—69988

Pande, K.P. *see* Ghandhi, S.K. 9—83592

Pande, M.C. *see* Gaur, V.P. 9—75188

Pande, M.C. *see* Joshi, G.C. 9—75186, 9—75187

Pande, P.C. *see* Garg, H.P. 9—66402

Pandey, A. Statistical properties of many-particle spectra. III. Ergodic behavior in random-matrix ensembles 9—85056
Pandey, A.N. *see* Bhushan, S. 9—83024
Pandey, D.K., Upadhyay, S.N., Gupta, S.N., Mishra, P. Particle-fluid heat transfer in fixed and fluidized beds 9—68552
Pandey, G.N., Heinze, W.J., Brown, B.D., Davis, J.M. Electroconvulsive shock treatment decreases β-adrenergic receptor sensitivity in rat brain 9—79512
Pandey, G.N. *see* Nigam, K.K. 9—73328
Pandey, H.B. On GF-hypersurfaces 9—63097
Pandey, J.D., Dubey, P., Kumar, V. Temperature and pressure dependence of intermolecular free-length in liquids 9—82131
Pandey, J.D. *see* Mishra, R.L. 9—77685
Pandey, K. *see* Durgapal, M.C. 9—62864
Pandey, M.C., Joshi, G.C. Liquid drop model for inert gases 9—94769
Pandey, P.K.K., Chandra, P. Calculation of nuclear spin-spin coupling constants by SCF perturbation theory with MINDO/3 approximation 9—94019
Pandey, R.B. *see* Barma, M. 9—56550
Pandey, R.N., Pratap, V., Lal, H.B. On the magnetic susceptibility of heavy rare-earth molybdates 9—69650
Pandey, S., Kenney, E.S. A high-speed scintillation camera using plastic phosphors 9—93888
Pandey, S. *see* Murthy, R.S. 9—53375
Pandey, S.D. *see* Gupta, S.K. 9—91348
Pandey, S.K., Antia, H.M., Chitre, S.M. Instabilities in a penetrative atmosphere 9—84783
Pandey, S.L. *see* Saxena, R.N. 9—78622
Pandey, S.M. *see* Singh, S.J. 9—81211
Pandey, S.N., Singh, S. Thermal expansion of La_2O_3 from 100 to 300K by an X-ray method 9—99335
Pandey, V.K. *see* Mahajan, K.K. 9—101004
Pandharipande, V.R. *see* Schmidt, K.E. 9—77855
Pandian, S. *see* Porile, N.T. 9—67790
Pandit, L.K. Neutral currents in alternative $U_3(W)$-gauge models of weak and electromagnetic interactions 9—49443
Pandit, P.N. *see* Kanwar, S. 9—89077
Pandit, S.K., Sarada Gopinathan, Gopinathan, C. Reaction of dichloro bis-cyclopentadienyl titanium with dialkoxy bis chelated titanium compounds 9—79239
Pandolfini, P. *see* Ciolli, P. 9—50228
Pandoulas, D. *see* Brandelik, R. 9—63491, 9—93441
Pandya, D.K. *see* Bhat, P.K. 9—74515
Pandya, D.K. *see* Gogna, P.K. 9—62028
Pandya, D.K. *see* Rajagopalan, S. 9—56871
Pandya, D.K. *see* Shanthi, E. 9—61992
Pandya, D.K. *see* Sharma, N.C. 9—90915, 9—95952
Pandya, D.K. *see* Vankar, V.D. 9—90910
Pandya, D.N. *see* Vogt, B.A. 9—66468
Pandya, G.R., Vyas, D.D. Growth of pure and doped TGS crystals 9—52096
Pandya, M.L., Machwe, M.K. Fluorescence polarization spectrum of rhodamine 6G 9—76458
Pandya, M.L., Machwe, M.K. Effect of aggregation of molecules on the polarization of fluorescence of acriflavine 9—91485
Pandya, S.R. *see* Desai, H.S. 9—98220
Pandya, T.P., Saxena, A.K. Measurement of gradient index profiles by Babinet fringe analysis 9—49277
Pandya, T.P. *see* Jain, P.C. 9—68293
Panfil, S.L. *see* Ginzburg, I.F. 9—80556
Panfilov, A.N. *see* Manokhin, A.I. 9—100090
Panfilov, A.S. A method for calculating the brightness characteristics of planetary surfaces 9—62754
Panfilov, A.S. *see* Selivanov, A.S. 9—53747
Panfilov, G.G. *see* Golubev, L.I. 9—71878
Panfilova, L.A. *see* Pavlova, G.A. 9—76778
Pang, C.Y. *see* Abrams, G.S. 9—89149, 9—89174
Pang, K., Hord, C.W., West, R.A., Simmons, K.E., Coffeen, D.L., Bergstralh, J.T., Lane, A.L. Voyager 1 photopolarimeter experiment and the phase curve and surface microstructure of Ganymede 9—96958
Pang Sing Chin *see* Sing Chin Pang
Pang-ho Li *see* Li Pang-ho
Pangali, C. *see* Rao, M. 9—77487
Pangborn, J.B. *see* Johnson, D.G. 9—52958
Pangia, N., Zissell, R.E., Locher, K. Supernova in NGC 4321 9—53834
Panic, B.M. *see* Urosevic, V.V. 9—57236
Panichkina, V.V., Skorokhod, V.V., Pavlenko, N.P. Porous structure of sintered tungsten 9—61540
Panighini, M. *see* Bos, K. 9—85531
Panikar, J.T. *see* Saraph, V.R. 9—81843
Panin, V.E., Kochepasov, I.I. The mechanism of activated sintering of VI group refractory metals 9—91605
Panin, V.E. *see* Naumov, I.I. 9—99279
Panin, V.E. *see* Poletika, I.M. 9—74154
Panin, V.I. Calculation of the amplitude-frequency and phase-frequency curves of ultrasonic piezoelectric transducers 9—68531
Panis, D. *see* Gabis, V. 9—96108
Panish, M.B. *see* Kordos, P. 9—60645
Panissod, P., Larhichi, M., Lapierre-Ravet, M.F. Anomalous properties of cobalt diselenide 9—87229
Panissod, P. *see* Guerra, D.A. 9—87193
Panitz, J.A. Isothermal ramped field desorption of benzene from tungsten 9—82450
Panitz, J.A. Isothermal ramped field-desorption of benzene from tungsten 9—90870
Panitz, J.A. *see* Kellogg, G.L. 9—68942
Panitz, J.K.G., Cheng-Cheng Hu Radio-frequency-sputtered tetragonal barium titanate films on silicon 9—78888
Panizo, M., Castellanos, A., Rivas, J. Numerical solution of the potential in inhomogeneous dielectrics and its application to discrete inhomogeneities 9—89824
Panizo, M. *see* Rivas, J. 9—82834
Panjabi, M. Error and optimization study of the instantaneous center and angle of rotation of a body joint 9—96605
Pankanin, G.L. *see* Dusza, J.J. 9—68849
Panke, H. *see* Alder, J.-C. 9—85381
Panke, H. *see* Gabioud, B. 9—67600
Panke, H. *see* Strassner, G. 9—89280
Pankhurst, K.S. *see* Hill, M.P. 9—96226
Pan'ko, I.N. *see* Romaniv, O.N. 9—83280
Pankonin, V., Payne, H.E., Terzian, Y. The structure of W51 9—71139
Pankonin, V., Walmsley, C.M., Harwit, M. The structure of the Orion Nebula: the ionized gas 9—67073
Pankov, A.A. *see* Borovik-Romanov, A.S. 9—82965
Pankov, O.M. *see* Kirilenko, D.A. 9—50796
Pan'kov, V.L. *see* Ul'man, W. 9—62489
Pan'kov, V.V., Bashkirov, L.A. Formation kinetics of nickel-zinc ferrites $Ni_{0.71}Zn_{0.29}Fe_2O_4$ and $Ni_{0.57}Zn_{0.43}Fe_2O_4$ 9—83159
Pan'kov, V.V., Bashkirov, L.A., Saksonov, Yu.G. Reaction of ferric oxide with NiO, ZnO, and the solid solution (Ni, Zn)O 9—87834
Pankov, Yu.V. *see* Fetisov, V.B. 9—51475
Pankova, N.A. *see* Blokhina, S.I. 9—61751
Pankove, J.I. Field-induced population inversion of distant donor-acceptor pairs [electroluminescence] 9—99944
Pankratov, B.M. *see* Alifanov, O.M. 9—94452
Pankratov, N.A., Kulikov, Yu.V., Shchetinina, N.V. Low-temperature silicon bolometers 9—71529
Pankrats, A.I. *see* Petrakovskii, G.A. 9—87300
Panman, J. *see* Jonker, M. 9—93399
Panman, J.K. *see* Konijn, J. 9—86085, 9—98251
Pannenborg, A.E. Science and world problems 9—80413
Pannetier, B., Maneval, J.P. Bulk non-equilibrium superconductor probed by ballistic phonons 9—56391
Pannetier, B. *see* Maneval, J.P. 9—69495
Pannetier, J., Denes, G., Lucas, J. $MSnF_4$ ($M=Pb^{++}$, Ba^{++}, Sr^{++}): Thermal expansion and phase transitions 9—77781
Pannhorst, H. *see* Ebert, J. 9—50365
Panno, G. *see* Butera, F. 9—57398
Panofsky, H.A., Egolf, C.A., Lipschutz, R. On characteristics of wind direction fluctuations in the surface layer 9—79913
Panofsky, H.A. *see* Hicks, B.B. 9—66754
Panofsky, H.A. *see* Perry, S.G. 9—58025
Panov, D.A. *see* Chernoplyokov, N.A. 9—54600
Panov, O.M. *see* Baskakov, A.P. 9—86508
Panov, V.I., Smirnov, L.S., Tishkovskii, E.G. Comments on the paper of N.A. Vitovskii, D. Mustafakulov, and A.P. Chekmareva on 'Threshold energy for the displacement of atoms in semiconductors' 9—90646
Panov, V.N. *see* Gur'yan, Yu.A. 9—97480
Panov, V.N. *see* Mazets, E.P. 9—58449, 9—88765, 9—88766
Panov, Yu.A. *see* Glagolev, A.I. 9—64728
Panova, G.V. *see* Kiseleva, T.P. 9—96965
Panova, N.V. *see* Kan, S.N. 9—94519
Panova, T.I., Isupova, E.N., Keler, E.K. Enthalpy of formation of rare earth orthotantalates 9—83494
Panova, Ya.I. *see* Miroshkin, V.P. 9—82769
Pant, G.C. *see* Agrawal, M.S. 9—79641
Pant, M.M., Govindarajan, J., Tong, B.Y. Natural frequencies of composite cylinders—application to the vertebral column 9—83830
Pant, M.M., Mitra, S.K. Thermodynamics of anharmonic oscillator 9—55321
Pantaleo, A. *see* De Leo, R. 9—89304
Pantano, C.G., Jr. *see* Ohuchi, F. 9—83065
Pantazatos, P., Chen, M.M. Computer aided tomographic thermography: a numerical simulation 9—83889
Pantel, K. *see* Gnobloch, H. 9—92039
Pantel, R., Bujor, M., Bardolle, J. Oxygen adsorption on various vicinal faces close to the (0001) basal plane of rhenium 9—65323
Pantel, R. *see* Moisan, M. 9—50868
Panteleev, G.V., Kostryukova, A.A., Yampolskii, V.I., Egorov, V.N. Design of interference beam splitters for a 10.6-μm wavelength 9—55225
Panteleev, V.A. *see* Murav'ev, V.A. 9—69278
Panteleev, V.V. *see* Orlova, G.A. 9—56269
Panteleev, Yu.K. *see* Dolginov, L.M. 9—65545
Panteleeva, I.F. *see* Morozova, L.P. 9—61545
Pantelejev, V.N. *see* Alkhazov, G.D. 9—75957
Panteleyev, N.A. *see* Korotayev, G.K. 9—53354
Pantelides, S.T. Muonium, hydrogen, and such in Si and Ge 9—56162
Pantelides, S.T. Multiband and multivalley effective-mass theory for impurities in semiconductors 9—65409
Pantelides, S.T. *see* Lindefelt, U. 9—90994
Pantelides, S.T. *see* Pollmann, J. 9—73572
Pantell, R.H., Alguard, M.J. Radiation characteristics of planar channeled positrons 9—55797
Pantell, R.H., Chung, P.S. Influence of surface roughness on the propagation of X-rays through capillaries 9—49349
Pantell, R.H. *see* Alguard, M.J. 9—51176, 9—69167
Pantell, R.H. *see* Rothbart, G.B. 9—59784
Panter, M. *see* Drijard, D. 9—89150
Pantis, G. Off-shell resonances in coupled channel problems 9—71823
Pantis, G., Fiedeldey, H., Sprung, D.W.L. Three-particle system for nonlocal interactions with continuum bound states 9—75870
Panton, D.J. A flexible approach to digital stereo mapping 9—84543
Panton, R.L. *see* Wilson, D.E. 9—50800
Panuntsev, V.S. *see* Cherednichenko, E.A. 9—57749
Panwar, O.S., Radhakrishna, M., Srivastava, K.K., Lakshminarayan, K.N. Electrical properties of silver doped $As_{10}Ge_{15}Te_{75}$ glassy alloy 9—91045
Panwar, O.S. *see* Srivastava, K.K. 9—87382
Panyushkin, V.A. *see* Falomkin, I.V. 9—85376
Panzer, W. *see* Seelentag, W.W. 9—83846
Panzeri, D. *see* Avanzini, P.G. 9—97793
Pao, C.V. Bifurcation analysis on a nonlinear diffusion system in reactor dynamics 9—97741
Pao, Y.C., Ritman, E.L. Phase-by-phase determination of the stress/strain relationship of working heart muscle throughout a cardiac cycle 9—92262
Pao-Lin Chen *see* Chen Pao-Lin
Paoletti, A. *(editor)* Physics of Magnetic Garnets. Proceedings of the International School of Physics 'Enrico Fermi' Course LXX 9—99668
Paoletti, R. Considerations on the cause of the myopia which accompanies incipient cataract 9—62238
Paoletti, R. *see* Barca, L. 9—62239, 9—62244
Paoletti Perini, R. Consideration of endo-ocular diffusion in incipient cataracts 9—79539
Paoletti Perini, R. *see* Barca, L. 9—79514, 9—79540
Paoli, D., Lucon, M., Chabanel, M. Vibrational study of ionic association in aprotic solvents. II. Structure and force constants of the lithium thiocyanate dimer in ether solutions 9—72442
Paoli, T.L. Saturable absorption effects in the self-pulsing (AlGa)As junction laser 9—72568
Paoli, T.L. Near-threshold behavior of the intrinsic resonant frequency in a semiconductor laser 9—98367
Paoli, T.L. *see* van der Ziel, J.P. 9—94235
Paolicchi, P. *see* Farinella, P. 9—62771
Paolinelis, S.G., Paipetis, S.A., Theocaris, P.S. Three-point bending at large deflections of beams with different moduli of elasticity in tension and compression 9—81729
Paolino, R.N. *see* Hines, W.A. 9—61050
Paoluzi, L. *see* Esposito, B. 9—63489
Paorici, C., Zanotti, L., Gastaldi, L. Preparation and structure of the $CuIn_5S_8$ single-crystalline phase 9—65990
Paorici, C., Zanotti, L., Romeo, N., Sberveglieri, G., Tarricone, L. Crystal growth and properties of $CuGa_xIn_{1-x}Se_2$ chalcopyrite compound 9—52095
Papa, C.del *see* del Papa, C.
Papa, F.F., Neelakantaswamy, P.S., Sethuraman, R. Propagation of light through the human-eye: a model for the retinal spectral-response characteristics 9—92215
Papa, T. *see* Scudieri, F. 9—55654, 9—95137
Papaconstantopoulos, D.A., Economou, E.N., Klein, B.M., Boyer, L.L. Superconductivity in palladium based hydrides 9—56354
Papaconstantopoulos, D.A., Economou, E.N., Klein, B.M., Boyer, L.L. Electronic structure and superconductivity in Pd-Ag-H and Pd-Rh-H alloys 9—95318
Papaconstantopoulos, D.A. *see* Klein, B.M. 9—60701
Papaconstantopoulos, D.A. *see* Zdetsis, A.D. 9—73614
Papadopoulos, C. True visual magnitude photographic star atlas, Vol.2. Equatorial stars 9—70967
Papadopoulos, C. True visual magnitude photographic star atlas. Vol.1. Southern stars 9—75122
Papadopoulos, I. *see* McLachlan, D.S. 9—56195
Papadopoulos, K. *see* Bornatici, M. 9—98905
Papadopoulos, S. *see* Contogouris, A.P. 9—54299, 9—71772
Papadopoulou, T. *see* Becker, H. 9—54363
Papadopoulous, T. *see* Becker, H. 9—63533
Papadopov, L. *see* Bechkov, V. 9—65309
Papagno, L. *see* Abatino, C. 9—65968

Papagno, L. *see* Baeri, P. 9—65969
Papahadjopoulos, D. *see* Brady, G.W. 9—57600
Papailiou, K.D. *see* Assassa, G.M. 9—77087
Papaioannou, S. *see* Kalfas, C.A. 9—97678
Papaloizou, J. *see* Lin, D.N.C. 9—70952
Papaloucas, L.C. *see* Jannussis, A.D. 9—67183
Papanicolaou, N. Inverse method for a generalized spin chain 9—99671
Papanicolaou, N. *see* Jevicki, A. 9—85084
Papanicolas, C.N. *see* Lichtenstadt, J. 9—93490
Papapetrou, A., Hamoui, A. Spherically symmetric surface layers in general relativitycorrection of an error 9—49134
Papapetrou, A., Stachel, J. A new Lagrangian for the vacuum Einstein equations and its tetrad form 9—49116
Papapietro, S.E., Smith, L.R., Hood, W.P., Jr., Russell, R.O., Jr., Rackley, C.E., Rogers, W.J. An optimal method for angiographic definition and quantification of regional left ventricular contraction 9—70637
Papargyropoulos, P.H. *see* Georgalas, C.G. 9—89210
Papastamatiou, N.J., Parker, L. Asymmetric creation of matter and antimatter in the expanding Universe 9—75302
Papastamatiou, N.J., Snider, D.R. Reggeon field theory and the crossover phenomenon 9—93317
Papastefanou, C., Charalambous, St. On the radioactivity of fly ashes from coal power plants 9—62161
Papathanasoglou, D. *see* Deliyannis, J. 9—84781
Papavassiliou, G.C. Optical absorption spectra of small $[Pt(dapn)_2][Pt(dapn)_2Br_2](ClO_4)_4$ particles 9—56812
Papavergos, P.G., Hedley, A.B. A simple practical method for establishing turbulence characteristics by means of a single 45° slant hot-wire probe in a field of known mean flow direction 9—72967
Papayan, G.V. *see* Agroskin, L.S. 9—75590
Papayannopoulos, Th. Orbits near the particle resonance of a galaxy. I. Numerical study 9—88746
Papazachos, B., Leventakis, G., Mountrakis, D., Psilovikos, A. Surface fault traces and fault plane solutions of the May-June 1978 major shocks in the Thessaloniki area, Greece 9—84166
Pape, L. *see* Blietschau, J. 9—93396
Pape, R.de *see* de Pape, R.
Papefthymiou, G.C. *see* Burch, T.J. 9—78055
Papendick, R.I. *see* Cary, J.W. 9—88379
Papernov, S. Laser-induced photodisintegration of alkali dimers 9—89719
Papernov, S.M. *see* Kraulinya, E.K. 9—76474
Papernyi, S.B., Serebryakov, V.A., Yashin, V.E. Formation of a smooth transverse distribution of intensity in a light beam by a phase-rotating plate 9—59837
Papernyi, S.B. *see* Mak, A.M. 9—89971
Papernyi, V.L. *see* Astrakhantsev, N.V. 9—55547, 9—98974
Papet-Lepine, J. Influence of the ionosphere on the precision of geodetic measurements using artificial satellites 9—58133
Papezik, V.S. *see* Nixon, G.T. 9—84258
Papier, G. *see* Muller, N. 9—73558
Papiernik, A. *see* Chatard-Moulin, M. 9—76564
Papiez, L. *see* Kluk, E. 9—82132
Papike, J.J. *see* Labotka, T.C. 9—84688
Papina, L.P. *see* Somogy, A. 9—80173
Papini, G., Strayer, D., Tward, E., Lim, C.S. Theoretical study of magnetic pick-up transducers for gravitational wave antennas 9—85052
Papkov, O.V. *see* Georgiev, K.G. 9—62712
Papkov, S.P. The types of the state diagrams for polymeric systems with a solvent under crystallization 9—52185
Papogno, L., Luzzi, G., Meuti, M. Sputtering yields of thin overlayer films by attenuation of the substrate Auger electron signal 9—95889
Papon, A.M., Simon, J.P., Guyot, P., Desjonqueres, M.C. Estimation of stacking-fault energies in transition metals 9—82244
Papon, P. *see* Bulou, A. 9—82885
Papoular, M. Solid ^{3}He: locked-in magnetism? 9—56033
Papousek, J. *see* Harmanec, P. 9—53817
Papousek, W. *see* Ledinegg, E. 9—68927, 9—84565
Papoyan, V.V., Sarkissian, A.V., Chubarian, E.V. Stationary axial-symmetric fields in the Rosen bimetric theory of gravitation 9—96906
Papp, A. *see* Aulich, H. 9—50425
Papp, K.A. *see* Innnen, K.A. 9—67088
Pappalardo, G.C. *see* Rozsondai, B. 9—81296
Pappalardo, M. *see* Assenza, D. 9—96636
Pappas, D. *see* Overskei, D.O. 9—60173
Pappas, D. *see* Schuss, J.J. 9—82078
Pappas, E. *see* Striffler, C.D. 9—72020
Pappas, P.T. The 'three-dimensional time' equation 9—92934
Pappu, S.V. *see* Ananda Rao, S. 9—50252
Papuchon, M. *see* Schnapper, A. 9—76883
Papulovskii, V.F. *see* Vasilev, E.V. 9—52020
Paputskii, Yu.N. *see* Glushkova, V.B. 9—52188
Papuzza, C. Liquid crystals 9—82145
Papyrin, A.N. *see* Alkhimov, A.P. 9—68830
Paquet, P. Using time in space geodesy. Results of synchronization by LORAN-C, TV and TRANSIT satellites 9—58233
Paquette, R.G., Bourke, R.H. Temperature fine structure near the sea-ice margin of the Chukchi Sea 9—57961
Para, A., Sachrajda, C.T. Search for the effects of higher order terms in deep inelastic lepton-hadron scattering 9—97629
Para, A. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Para, A. *see* Groot, J.G.H. 9—93395
Paraboni, A. *see* Capsoni, C. 9—84339, 9—84340
Paracchini, C., Schianchi, G. Electroluminescence in pure CdF_2 9—56865
Parada, A. *see* Munoz-Escalona, A. 9—96307
Paradies, K. *see* Harmann, H. 9—97429
Paradijs, J.van *see* van Paradijs, J.
Paradijs, J.Van *see* Van Paradijs, J.
Paradis, P. *see* Desaulniers, G. 9—100556
Paradiso, J. *see* Barber, D. 9—54289, 9—54346
Paradiso, J. *see* Barber, D.P. 9—89175, 9—97631
Paradiso, M. *see* Di Pasquale, S. 9—98608
Parakash, S., Subbaraya, B.H., Kumar, V., Parkeek, P.N., Shirke, J.S., Misra, R.N., Goswami, K.K., Singh, R.S., Banerjee, A. The Aryabhata satellite project: the aeronomy experiment 9—84637
Paralkar, S.V. *see* Nabar, M.A. 9—51073
Parameswaran, K., Healy, G. A calorimetric investigation of the copper-zinc system 9—52172
Paramore, J. *see* Wechsler, S. 9—92425
Paranjape, B.V. *see* Aers, G.C. 9—60617
Paranjape, B.V. *see* Modinos, A. 9—73601
Paranjape, V.V., Mahanty, J. Van der Waals interaction between atoms: finite-size effects 9—81252
Paranjape, V.V. *see* Johri, G. 9—90737
Paranjpe, A.S. *see* Deniz, K.U. 9—77504, 9—86877
Paranjpe, P.A. *see* Isaac, J.J. 9—62019
Paranjpe, P.A. *see* Sankaranarayanan, S. 9—62021
Paranjpe, S.A., Banerjee, S. Interrelation of crack opening displacement and J-integral 9—50648
Paranthoen, P., Petit, C. Influence of conduction between a sensor wire and its supports on the measurement of temperature fluctuations in a turbulent outflow using a resistance thermometer 9—94751
Paras, N., Bernstein, A.M., Blomqvist, K.I., Franklin, G., Pauli, M., Schoch, B., LeRose, J., Min, K., Rowley, D., Stoler, P., Winhold, E.J., Yergin, P.F. Electroproduction of charged pions from ^{12}C leading to discrete final nuclear states 9—63659
Paraschiv, D., Cristian, M. Preliminary data regarding the physical parameters found at great depth and geological considerations on their account 9—57892
Parashchuk, V.V. *see* Gribkovskii, V.P. 9—59704
Paraskevopoulos, D. *see* Meservey, R. 9—78263
Paraskevopoulos, G. *see* Cvetanovic, R.J. 9—74346
Paraskevopoulos, G. *see* Nip, W.S. 9—100353
Paraskos, J.A. *see* Aseltine, R.G., Jr. 9—83995
Paraszczak, J., Willard, J.E. Wavelength-selective bleaching of the optical spectra of trapped electrons in organic glasses. II 9—83480
Parchomchuk, V.V., Pestrikov, D.V., Ruggiero, A.G. Measurement of momentum cooling rates with electron cooling at NAP-M 9—72095
Pardi, L. *see* Giordano, M. 9—94871
Pardo, B. *see* Zogheib, H. 9—90498
Pardo, M. *see* Aguilar, M. 9—67400
Pardo, M. *see* Oliva, J. 9—67401
Pardo, M.-P. *see* Dogguy-Smiri, L. 9—51061
Pardoe, G.W.F. *see* Birch, J.R. 9—82978
Pardoe, J.A. 'Conform' continuous extrusion of metal powders into products for electrical industry: development experience 9—95968
Pardoe, K., Haughton, P.M. The flow of endolymph in the semicircular canals 9—92258
Pardoux, E. The results of stochastic partial differential equations and diffusion processes 9—54052
Pardue, H. *see* Davis, R. 9—70406
Pare, V.K. *see* Mihalczo, J.T. 9—81002
Pareja, R., Serna, J. Failure of the coincidence site lattice model for grain boundaries in metallic systems 9—60384
Parekh, H., Srivastava, K.D. Effect of avalanche space charge field on the calculation of corona onset voltage 9—86632
Parekh, J.P. Theory for magnetostatic forward volume wave excitation 9—82775
Parekh, L.P., Shen, S., Thomas, G. Convolution with magnetoelastic Rayleigh waves on bulk YIG 9—64404
Parent, C.R., Kuijpers, P.J.M. The millimeterwave spectrum of SeO in the $X^3\Sigma^-$ state 9—85959
Parent, R.R., Thompson, E.V. Fracture surface morphology and phase relationships of polystyrene/poly(methyl methacrylate) systems. I. Low-molecular-weight polystyrene in poly(methyl methacrylate) 9—61571
Parent, Y. *see* Barbier, P. 9—69062
Paresce, F., Margon, B., Bowyer, S., Lampton, M. Observations of the cosmic background radiation at 1440 angstroms 9—71159
Paresce, F. *see* Crawford, R. 9—71027
Paresce, F. *see* Finley, D.S. 9—50363
Paresce, F. *see* Freeman, J. 9—92834
Parette, G., Kajzar, F. Environmental effects and magnetic moment distribution in nickel-rich Ni-Ru alloys 9—91211
Parette, G. *see* Kajzar, F. 9—78340
Paretzkin, B. *see* Morris, M.C. 9—60223
Parfeev, V.M., Oldyrev, P.P. Estimation of fatigue damage to a glass-reinforced plastic in cyclic bending 9—100256
Parfeev, V.M. *see* Oldyrev, P.P. 9—61724
Parfenov, A.I., Anan'eva, I.N., Grigor'eva, O.A., Bekishev, K. Corrosion of sodium zirconium silicate glass in caustic soda and sodium carbonate solutions at 90-150°C 9—66187
Parfenov, V.A. *see* Blagoveshchenskii, N.M. 9—86951
Parfenov, V.A. *see* Kryzhanovskii, V.I. 9—76861
Parfent'ev, N.A. *see* Moroz, V.I. 9—66949
Parfesso, D.I. *see* Leinachuk, E.I. 9—79061
Parfianovich, I.A. *see* Salomatov, V.N. 9—65075
Parfilov, N.A. *see* Zakharov, V.I. 9—58830
Pargamanik, L.E. *see* Ginsburg, M.D. 9—77348
Pargamanik, L.E. *see* Ginzburg, M.D. 9—63907
Parhi, H. *see* Satapathy, P.K. 9—98660
Parhikhteh, H. *see* Moazami-Goudarzi, K. 9—88279
Parida, M.K. Deuteron electromagnetic form factor: data analysis and asymptotic behavior 9—89155
Parida, M.K., Mahapatra, B.P. Convergent polynomial expansion, lines of zeros, and slopes of diffraction scattering. II. Oscillation of the slope parameter in π^-p scattering 9—93455
Pariiskii, Yu.N. *see* Korolkov, D.V. 9—88596
Pariisky, N.N. The Earth's rotation and gravity variations 9—92473
Parikh, J.C. *see* Satyan, V. 9—80889
Parikh, M., Kyser, D. Energy deposition functions in electron resist films on substrates 9—56897
Parikh, N.R. *see* Dhere, N.G. 9—95292
Parikh, P.O. *see* Ladsaongikar, U.V. 9—62081
Parilis, E.S. *see* Bitenskii, I.S. 9—56051, 9—69948
Parilis, E.S. *see* Nizhnaya, S.L. 9—52064, 9—52065
Paris, R., Ewart, F.T., Sharpe, B.M., Jonsson, T. Some effects of fuel form and carbide distribution in the cladding on fuel-clad chemical interaction during irradiation in the Swedish reactor R2 9—85618
Paris, R.B. *see* Gillis, J. 9—58319
Paris, R.B. *see* Mestel, L. 9—58320
Parise, J.B., Nakano, A., Tokonami, M., Morimoto, N. Structure of iron selenide 3C-Fe_7Se_8 9—55708
Parish, J.L. *see* Goertz, C.K. 9—84731
Parish, R.V., Rush, J.D. ^{197}Au Mossbauer spectra of two-, three-, and four-coordinate gold(I) complexes 9—54874
Parish, R.V. *see* Dale, B.W. 9—76456
Parisi, A.F. *see* Feldman, C.L. 9—70598
Parisi, G. Non conventional monopoles in field theory 9—58919
Parisi, G. Asymptotic precictions for exclusive processes 9—71701
Parisi, G. Toward a mean field theory for spin glasses 9—99704
Parisi, G., Petronzio, R. Gluon fragmentation functions from quark jets 9—49453
Parisi, G., Petronzio, R. Small transverse momentum distributions in hard processes 9—75723
Parisi, G., Sourlas, N. A simple parametrization of the Q^2 dependence of the quark distribution in QCD 9—58938
Parisi, G., Sourlas, N. Random magnetic fields, supersymmetry, and negative dimensions 9—97533
Parisi, G.I. *see* Adams, A.C. 9—69989
Parisi, M. *see* Iucci, N. 9—75059
Parisien, B. *see* Stuchly, S.S. 9—57825
Parisod, G., Comisarow, M.B. Determination of ion-molecule collision frequencies by Fourier transform ion cyclotron resonance spectroscopy 9—50105
Parisot, A. *see* Fougeres, R. 9—77675
Parisot, G. *see* Hutchings, M.T. 9—51765
Parisot, J.-P., Severne, G. Delocalization effect on the relaxation of inhomogeneous gravitational systems 9—62877
Paritskaya, L.N. *see* Garbovitskaya, T.G. 9—52431, 9—82502
Paritskaya, L.N. *see* Geguzin, Ya.E. 9—60559
Park, C. Calculation of radiative properties of nonequilibrium hydrogen plasma 9—90388
Park, C.G. Comparison of two-dimensional and three-dimensional mapping of ionospheric electric field 9—66861
Park, C.G., Miller, T.R. Sunday decreases in magnetospheric VLF wave activity 9—66883
Park, C.G. *see* Bernhardt, P.A. 9—58202
Park, C.G. *see* Luette, J.P. 9—101028
Park, C.M. *see* Ledley, R.S. 9—88212
Park, C.R. *see* Beth, A.H. 9—98124

Park, G.C., Roy, O.Z., Warrick, A., Cote, C. Mechanical pointer for use with handicapped children 9—84013
Park, H. *see* van der Ziel, A. 9—60883
Park, H.D. *see* Pollak, F.H. 9—95783
Park, H.K., Barrett, L.R. Transport-controlled dissolution of magnesia in melts 9—90791
Park, H.K., Barrett, L.R. The oxidation of carbon under melts 9—91828
Park, I.K., Lee, D.N. The bond between steel and copper through intermediate zinc layer in copper-clad steel rod 9—66213
Park, J. *see* Gilmore, T., Jr. 9—84980
Park, J.C.H. *see* Hill, D.G. 9—71744
Park, J.G., Tai, P., Freake, S. Ultrasonic surface wave attenuation by induced superconductivity in PbCu and PbAg 'sandwiches' 9—60994
Park, J.G., Vaidya, A.W. The measurement of heat capacity by the use of a resistive SQUID 9—63213
Park, J.H. Optical measurement in the middle atmosphere 9—84480
Park, J.H., Russell, J.M., III., Drayson, S.R. Pressure sensing of the atmosphere by solar occultation using broadband CO_2 absorption 9—80037
Park, J.H. *see* Beth, A.H. 9—98124
Park, J.Y., Scheid, W., Greiner, W. Theory of nucleon transfer in the dynamical two-center shell model 9—89325
Park, K.C. *see* Tsu, R. 9—77613
Park, K.-O., Sivertsen, J.M. Temperature dependence of the thermal expansivity of annealed BaO 9—77778
Park, M.J., Kim, K.S., Bray, P.J. The determination of the structures of compounds and glasses in the system $MgO-B_2O_3$ using B^{11} NMR 9—94905
Park, R.G., Ermanovics, I.F. Tectonic evolution of two greenstone belts from the Superior Province in Manitoba 9—62497
Park, R.L. *see* Elam, W.T. 9—69329
Park, R.L. *see* Kortan, A.R. 9—82447
Park, R.L. *see* Roelofs, L.D. 9—82438
Park, W.J. On estimation of sample size for testing composite materials 9—91867
Park, W.M., McCall, I.W., O'Brien, J.P., Webb, J.K. Fissuring of the posterior annulus fibrosus in the lumbar spine 9—53213
Park, Y.S., Grant, J.T., Haas, T.W. The determination of sulfur-ion-implantation profiles in GaAs using Auger electron spectroscopy 9—55774
Park, Y.S. *see* Kim, Q. 9—73193
Park, Y.S. *see* Lank, D.J. 9—77628
Park, Y.S. *see* Phil Won Yu 9—56842
Park, Y.S. *see* Yeo, Y.K. 9—86806, 9—99542
Park, Y.W., Denenstein, A., Chiang, C.K., Heeger, A.J., MacDiarmid, A.G. Semiconductor-metal transition in doped $(CH)_x$: thermoelectric power 9—56271
Park, Y.W. *see* Lee, H.C. 9—66114
Park Chan Gyung *see* Chan Gyung Park
Park Han Kyu, Kwon Young Key Theoretical analysis of the electrical saturation behavior of the DH laser diode 9—64225
Park Joong Keun *see* Joong Keun Park
Park Pyung Choo *see* Pyung Choo Park
Park Won Koo *see* Won Koo Park
Park Yong Kwan *see* Yong Kwan Park
Park Yoon W. *see* Yoon W. Park
Park Young H. *see* Young H. Park
Parkanskii, N.Ya. *see* Lazarenko, B.R. 9—83146
Parkash, O. Electrical and magnetic properties of the system $LaNi_{1-x}Fe_xO_3$ 9—78102
Parkash, S. *see* Bansal, R.C. 9—52753
Parke, A.W. *see* McGilp, J.F. 9—100022
Parke, A.W. *see* McGovern, I.T. 9—87560
Parke, A.W. *see* McKinley, A. 9—77934
Parkeek, P.N. *see* Parakash, S. 9—84637
Parker, A., Mather, J.D. An investigation into pollution from a disused gasworks site near Ladybank, Fife 9—88020
Parker, A. *see* Chambers, K.C. 9—74964
Parker, A.A. *see* Limaye, P.S. 9—78456
Parker, A.P. Crack tip plastic zones and the strain energy density criterion 9—50654
Parker, B. *see* Huerta, R. 9—67205
Parker, C.E. *see* Pal, D. 9—70422
Parker, C.R.C.B. The addition of local intelligence to the ISR control system 9—72212
Parker, C.R.C.B. *see* Keyser, R. 9—72050
Parker, D. *see* Delpy, D.T. 9—100783
Parker, D.F. An asymptotic analysis of large deflections and rotations of elastic rods 9—50584
Parker, D.F. Finite-amplitude oscillations of a spherical cavity in a nearly-incompressible elastic material 9—64553
Parker, D.H., Avouris, P. Multiphoton ionization and two-photon fluorescence excitation spectroscopy of triethylenediamine 9—98164
Parker, D.L., Pryor, T.A., Ridges, J.D. Enhancement of two-dimensional echocardiographic images by lateral filtering 9—70592
Parker, D.L. *see* Porter, W.A. 9—74026
Parker, D.L. *see* Pryor, T.A. 9—62392
Parker, E.A. *see* Markham, R. 9—49343
Parker, E.F. Polarized ion source development at Argonne National Laboratory 9—63842
Parker, E.F., Brandeberry, F.E., Crosbie, E.A., Knott, M.J., Potts, C.W., Ratner, L.G., Schultz, P.F., Suddeth, D.E. High energy polarized deuterons at the Argonne National Laboratory Zero Gradient Synchrotron 9—72054
Parker, E.F. *see* Crabb, D.G. 9—72055
Parker, E.F. *see* Lewis, R.A. 9—81059
Parker, E.F. *see* Watson, J.M. 9—67970
Parker, E.N. Sunspots and the physics of magnetic flux tubes. II. Aerodynamic drag 9—71012
Parker, E.N. Sunspots and the physics of magnetic flux tubes. I. The general nature of the sunspot 9—75168
Parker, E.N. The instability of a horizontal magnetic field in an atmosphere stable against convection 9—75200
Parker, E.N. Sunspots and the physics ot magnetic flux tubes. III. Aerodynamic lift 9—101125
Parker, E.N. Sunspots and the physics of magnetic flux tubes. V. Mutual hydrodynamic forces between neighboring tubes 9—101127
Parker, E.N. *see* Kennel, C.F. 9—84696
Parker, E.N., Kennel, C.F., Lanzerotti, L.J. *(editor)* Solar system plasma physics, vol.1. Solar and solar wind plasma physics 9—84782
Parker, E.N. *see* Kennel, C.F. *(editor)* 9—84696
Parker, E.N. *see* Lanzerotti, L.J. *(editor)* 9—84625
Parker, F.T. *see* Oesterreicher, H. 9—91255, 9—99689
Parker, G. Divergence free vector fields and Bochner's theorems 9—63003
Parker, H. *see* Jameson, C.J. 9—85976
Parker, I. *see* Bregestovski, P.D. 9—70546
Parker, I. *see* Miledi, R. 9—83751
Parker, J. *see* Brainard, G. 9—96619
Parker, J. *see* Bryant, P.E. 9—74726
Parker, J. *see* Severyn, J. 9—85804
Parker, J. *see* Ying-Nan Chiu 9—82561
Parker, J.H. *see* Capehart, B.L. 9—79363
Parker, J.L. *see* Bowersox, D.F. 9—85589
Parker, J.W. *see* Lawler, J.E. 9—81410
Parker, K. *see* Kasper, P. 9—93447
Parker, L. *see* Papastamatiou, N.J. 9—75302
Parker, P.D. *see* Turekian, K.K. 9—74967
Parker, P.D. *see* Zyskind, J.L. 9—63665
Parker, P.E. Distributional geometry 9—93006
Parker, P.M. *see* Niroomand-Rad, A. 9—59430, 9—72295
Parker, R. An algorithm for high order polynomial extrapolation 9—88798
Parker, R. *see* Overskei, D.O. 9—60173
Parker, R.A. *see* Sackett, W.M. 9—88369
Parker, R.C., Jewett, J.R. Nuclear plant outage management and quality assurance 9—97862
Parker, R.H. *see* Gilman, D. 9—53933
Parker, R.L., Denham, C.R. Interpolation of unit vectors 9—92625
Parker, R.L. *see* Berger, J. 9—92604
Parker, R.P., Hobday, P.A., Cassell, K.J. The direct use of CT numbers in radiotherapy dosage calculations for inhomogeneous media 9—83943
Parker, R.P., Wilson, W.S. Dimensional instability of creamed TNT 9—73316
Parker, R.R. *see* Cohn, D.R. 9—71965
Parker, R.R. *see* Gondhalekar, A. 9—60172
Parker, R.R. *see* Schuss, J.J. 9—82078
Parker, S.G. Factors affecting coercivity in (Y, Sm, Tm)$_3$(FeGa)$_5$O$_{12}$ and (Y, Sm, Lu, Ca)$_3$(FeGe)$_5$O$_{12}$ LPE films 9—91267
Parker, S.I. *see* Piccolo, M. 9—93439
Parker, S.I. *see* Rapidis, P.A. 9—75780
Parker, T. *see* Ash, P. 9—57610
Parker, T.E., Wichansky, H. Temperature-compensated surface-acoustic-wave devices with SiO_2 film overlays 9—76923
Parker, T.E. *see* Kemp, J.C. 9—67039
Parker, T.J., Lowndes, R.P. A liquid helium cryostat for use in dispersive Fourier transform spectroscopy 9—54135
Parker, T.J. *see* Birch, J.R. 9—58806
Parker, W.R. *see* Lynn, P.A. 9—92253
Parkes, G.E., Mason, K.O., Murdin, P.G. 4U 1258—61 9—71154
Parkes, K.G. Humidity and dew point 9—49240
Parkey, R. *see* Twieg, D. 9—83896
Parkhomenko, N.A., Gerchikova, N.S., Batrakov, V.P., Kishkin, S.T. Influence of a corrosive environment on the distribution of dislocations in a high-strength Al-6Zn-3Mg alloy 9—52442
Parkhomenko, T.A., Pustovalov, V.V., Stepanenko, V.A. Failure of superconducting composites at low temperatures 9—57119
Parkhomenko, V.D., Kovalenko, I.V., Tevelenkov, V.A., Mel'nikov, B.I. Effect of sound radiation on the mixing of flows with appreciably different temperatures 9—82053
Parkhomenko, Yu.N. *see* Galaev, A.A. 9—95249
Parkhomov, V.A. *see* Gul'yel'mi, A.V. 9—58192
Parkhurst, A.M. *see* Knoche, H.W. 9—76270
Parkhuta, G.N. *see* Bedenyapin, G.A. 9—70102
Parkin, D.A. *see* King, W.D. 9—88489
Parkin, D.M. *see* Brown, J.A. 9—56685
Parkin, D.M. *see* Heffner, R.H. 9—56686
Parkins, R.N. Some electrochemical aspects of the mechanisms of corrosion fatigue 9—79167
Parkins, R.N. Environment sensitive fracture and its prevention 9—96160
Parkins, R.N. *see* Congleton, J. 9—79174
Parkins, R.N. *see* Arup, H. *(editor)* 9—100303
Parkinson, B.W. The Global Positioning System (NAVSTAR) 9—101042
Parkinson, G.M., Thomas, J.M., Goringe, M.J., Smith, D.A. Planar faults in crystalline anthracene 9—69115
Parkinson, J.B. Theory of spin waves in a one-dimensional Heisenberg antiferromagnet 9—91222
Parkinson, J.H., Veck, N.J., Ashfield, M.E.C., Culhane, J.L., Ku, W.H.-M., Lemen, J.R., Novick, R., Acton, L.W., Wolfson, C.J. An investigation of the 1.9 Å feature in solar-flare X-ray spectra 9—96979
Parkinson, W.D., Hobbs, B.A. Conditions for the geomagnetic induction relationship 9—79739
Parkinson, W.H. *see* Cann, M.W.P. 9—62575
Parkos, G.R. *see* Crawford, B.W. 9—89404
Parks, G.D., Dreiling, M.J. Electron spectroscopic studies of the adsorption of methanol on zinc oxide powder 9—52076
Parks, G.K., Gurgiolo, C., West, R. Relativistic electron precipitation 9—75014
Parks, G.K. *see* Anderson, K.A. 9—75042
Parks, G.K. *see* Gurgiolo, C. 9—80085
Parks, G.K. *see* Lin, C.S. 9—101027
Parks, H.G., Kirkpatrick, C.G. Aluminum silicon laser alloying with implications for mass storage 9—69593
Parks, H.G., Rose, K. Detailed characterization of metal semiconductor alloys produced by single laser pulses 9—69594
Parks, L.A., Kemper, K.W., Cutler, R.I., Harwood, L.H. Nuclear absorption effects in the elastic scattering of ^{10}B and ^{11}B by ^{27}Al, ^{28}Si, and ^{30}Si 9—67773
Parks, L.A. *see* Clements, J.S. 9—89223
Parks, L.A. *see* Mateja, J.F. 9—89324
Parks, R.D., Orbach, R. Thermopower near magnetic and order-disorder critical points 9—65454
Parks, R.D. *see* Gurewitz, E. 9—78330
Parks, R.E. Removal of test optics errors 9—86270
Parks, R.E. *see* Barrett, H.H. 9—94163
Parks, R.L. *see* Schweizer, T.C. 9—54426
Parlag, A.M. *see* Aleksandrov, B.M. 9—63709
Parlaga, A.M. *see* Aleksakhin, I.S. 9—86073
Parlebas, J.C. *see* Rahman, T.S. 9—61221
Parletun, L.G. Determination of the growth of branched cracks by numerical methods 9—68649
Parma, L. *see* Sladky, P. 9—70328
Parmenter, C.S., Seaver, M. A method to estimate intermolecular potential well depths for species in both ground and excited electronic states 9—86034
Parmenter, C.S. *see* Atkinson, G.H. 9—86045
Parmenter, C.S. *see* Langley, K.H. 9—66365
Parmenter, C.S. *see* Lin, H.-M. 9—81257
Parmentier, E.M. Two phase natural convection adjacent to a vertical heated surface in a permeable medium 9—68790
Parmentier, M., Gleitzer, C., Courtois, A., Protas, J. Crystal structure of $Sb_2Mo_{10}O_{31}$ 9—99125
Parmentier, R.D. *see* Costabile, G. 9—56428
Parmentier, R.D. *see* Grella, G. 9—71258
Parmpal Singh Cheap packed bed absorbers for solar air heaters 9—62041
Parnell, M.M., Amerman, J.D. Maturational influences on perception of coarticulatory effects 9—94415
Parniere, P. Analysis of the formation of deformation textures. Applications 9—70082
Parniere, P. *see* Lebrun, J.L. 9—91731
Parniere, P. *see* Meyzaud, Y. 9—83231
Parnovksii, S.L. Particle motion in the field of a Kasner-type bare singularity with complex or equal indexes 9—49132
Parnovskii, S.L. Electromagnetic and scalar fields around an infinite filament and other Kasner-type naked singularities 9—58557
Parnovsky, S.L. Quantum particle production in the formation of naked Kasner-type singularities 9—97546
Parnyakov, E.S. *see* Petrov, V.P. 9—71416
Parodi, L. *see* Bragagnoli, F. 9—97782
Parodi, M., Bonomi, A., Gentaz, C. Solubility of CaC_2 in CaF_2 and in the $CaCl_2$-CaF_2-CaO system 9—70050
Parodi, O. *see* Marignan, J. 9—86692
Parovic, N.M. *see* Kuznetsov, V.I. 9—80924
Parpia, J.M., Sandiford, D.J., Berthold, J.E., Reppy, J.D. Viscosity of normal and superfluid helium three 9—51357
Parr, A. Modified ferroresonant power supply for sputter-ion pumps 9—97400
Parr, A.C. *see* Stockbauer, R. 9—98167
Parr, H. *see* Pettersen, G. 9—73617
Parr, R.G. *see* Ray, N.K. 9—66272
Parr, T.P., Martin, R.M. Energy dependence of ionization and dissociative fluorescence of water and formic acid by metastable argon 9—52669
Parr, T.P. *see* Freedman, A. 9—74361
Parr, T.P. *see* Martin, R.M. 9—54950
Parray, W.T. *see* Ward, S.H. 9—84260

Parrinello, M., Tosi, M.P. Structure and dynamics of simple ionic liquids 9—60243
Parrinello, M., Tosi, M.P. Analytic solution of the mean spherical approximation for a multicomponent plasma 9—85057
Parrinello, M. *see* March, N.H. 9—69420
Parrinello, M. *see* Rovere, M. 9—60258, 9—82327
Parrini, G. *see* Bocciolini, M. 9—63871
Parrino, P.A., Kindle, M.L. Redundant solid-state controller replaces Betatron mechanical controller 9—88163
Parrino, P.A. *see* Kopecky, W.J. 9—70697
Parrish, J.L. *see* Heymsfield, A.J. 9—70863
Parrish, R.L., Stevens, A.L., Turner, T.F. True in situ fracturing of oil shale—preliminary results 9—87955
Parrot, R. *see* Busse, W. 9—78743
Parrott, L.J. *see* Gamble, B.R. 9—52319
Parrour, G. *see* Cosme, G. 9—58968
Parry, D.E., Tricker, M.J., Donaldson, J.D. The electronic structure of $CsSnBr_3$ and related trihalides; Studies using XPS and band theory 9—78837
Parry, D.J. *see* Dirwish, M. 9—79189
Parry, G., Pusey, P.N. K distributions in atmospheric propagation of laser light 9—80023
Parry, G., Walker, J.G., Scaddan, R.J. On the statistics of stellar speckle patterns and pupil plane scintillation 9—100948
Parry, L.G. Magnetization of multidomain particles of magnetite 9—66686
Parry, M.A., Thorpe, B.W. The role of HNS in the grain modification of TNT 9—100129
Parry, W.E., Cooke, D.J., Solymar, L. Solutions of the vector differential equations of volume holography 9—81386
Parry-Jones, A.C., Weightman, P., Andrews, P.T. The $M_{4,5}N_{4,5}N_{4,5}$ Auger spectra of Ag, Cd, In and Sn 9—61472
Parry-Jones, A.C. *see* Weightman, P. 9—100017
Parry-Jones, G. *see* Al-Huseini, F.A. 9—71459
Parry-Jones, N.O., Fenwick, P. Coloured pattern displacement and VEP amplitude 9—79546
Parsa, Z., Choudhury, D.C. Negative parity states of ^{71}Ge 9—59013
Parsa, Z. *see* Marciano, W.J. 9—71697
Parseliunas, J. *see* Dargys, A. 9—69613
Parshad, R., Saini, H.S., Nagpaul, K.K. Fission track etching and annealing phenomenon in phlogopite and their applications 9—84230
Parshad, R. *see* Bahadur, H. 9—56733, 9—78626
Parshad, R. *see* Gantt, R. 9—96615
Parshikova, V.N., Zakharzhevskii, S.I., Malyshevskaya, K.A. Extraction of silver from fixing solutions by means of sulphide containing cellulose fibres 9—58835
Parshikura, S.N. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Parshin, A.M. *see* Vainer, L.A. 9—79201
Parshin, A.S., Chistyakov, N.S. Bulk and surface spin waves in single-crystal films of manganese ferrite 9—73826
Parshin, A.Ya., Grechushnikov, B.N. Limiting values of the Fellgett advantage attainable in multiplex spectroscopy 9—75609
Parshin, A.Ya. *see* Keshishev, K.O. 9—90844
Parshin, D.A. Effect of weak electric fields on the absorption of strong electromagnetic waves in semiconductors 9—95400
Parshin, P.F., Arkhipov, V.M. Tuning of two-beam interferometers to zero beam path difference 9—97425
Parshin, P.F. *see* Arkhipov, V.M. 9—49300
Parshin, P.P. *see* Chernoplekov, N.A. 9—51223
Parshin, P.P. *see* Golovin, A.E. 9—97925
Parshina, I.Ya. *see* Kurdyumov, G.V. 9—90699
Parshkov, O.M. *see* Dmitriev, A.E. 9—76755
Parsignault, D.R., Gorenstein, P., Zimmerman, R.E., Burns, R.E. Radioisotope imaging with a xenon-filled multiwire proportional counter 9—49901
Parsley, R. *see* Holub, R.F. 9—57529
Parsonage, N.G., Nicholson, D. Computer simulation of adsorption 9—65308
Parsons, A.B. *see* Roberts, A.D. 9—79118
Parsons, B. *see* Simpson, E.S.W. 9—66608
Parsons, B.J. *see* Clark, C.D. 9—87129
Parsons, D., Steele, C.A. Electron-phonon collision frequencies in aluminium; the radio frequency size effect 9—90945
Parsons, D.B. *see* Houze, R.A., Jr. 9—88437
Parsons, I.W. *see* Price, L. 9—70326
Parsons, J.D. Nematic ordering in a system of rods 9—60271
Parsons, J.R., Alexander, H., Corcoran, S.F., Koroluk, J.M., Weiss, A.B. Development of a variable stiffness, absorbable bone plate 9—79691
Parsons, J.R. *see* Alexander, H. 9—92434
Parsons, J.W. *see* Russell, T.P. 9—58803
Parsons, M.L. *see* Brown, R.J. 9—89642
Parsons, N.H. *see* Green, M.B. 9—58875
Parsons, R.R. On the origin of photoluminescence in heavily-doped silicon 9—56856
Parsons, R.R., Dyment, J.C., Smith, G. Differentiated electron-beam-induced current (DEBIC): quantitative characterization of semiconductor heterostructure lasers 9—55137
Parsons, R.R., Ziemelis, U.O., Rostworowski, J.A. Resolved splitting of the free exciton luminescence band in silicon 9—73995
Parsons, R.R. *see* Feenstra, R.M. 9—73605
Parsons, R.W. *see* Steward, J.L. 9—72352
Parsons, T.W. Separation of interfering speech signals 9—94417
Partain, L.D., Sullivan, G.J., Birchenall, C.E. Effects of indium on the electrical properties of n-type CdS 9—56217
Parthasarathi, V. *see* Velmurugan, D. 9—50923
Parthasarathy, M. *see* Bappu, M.K.V. 9—53733
Parthasarathy, R., Sridhar, V.N. A note on the induced pseudo-scalar coupling constant in $\mu^- + {}^{12}C(g.s) \rightarrow {}^{12}B(1^+, g.s) + \nu_\mu$ 9—49606
Parthasarathy, S., Ponnuswamy, M.N. Overall values of conventional discrepancy indices in the presence of random positional errors: Crystal with similar atoms 9—73058
Parthasarathy, S. *see* Velmurugan, D. 9—50923
Parthe, E. *see* Chabot, B. 9—77553
Parthe, E. *see* Le Roy, J. 9—69057
Partidge, G., Phillips, S.V. New developments in glasses and ceramics for the electrical industry 9—78925
Partin, D.L., Chen, J.W., Milnes, A.G., Vassamillet, L.F. Transition metal deep centres in GaAs, GaP and Si 9—78045
Partin, D.L., Milnes, A.G., Vassamillet, L.F. Surface effects in SEM measurements of hole diffusion length in n-GaAs 9—87110
Partlow, L.M. *see* Peterson, D.J. 9—70581
Partlow, W.D., Kline, L.E. Prebreakdown discharges in mercury-rare-gas mixtures 9—77433
Partom, Y. The drag force on a moving dislocation. I. Zero temperature (lattice drag force) 9—95006
Partom, Y. The drag force on a moving dislocation. II. Nonzero temperature (thermal drag force) 9—95007
Partrick, J.F. *see* Abrams, G.S. 9—89174
Partridge, R. *see* Chestnut, R. 9—89531
Partridge, R.E. Automated alignment of a 10-kJ laser 9—76703
Parts, T.-E.M. *see* Kink, M.F. 9—65919
Partsevskii, V.V. Cracking of a laminated composite reinforced in two directions 9—96139
Parulekar, B.B., Narayankhedkar, K.G. Use of an energy chart for the study of liquefaction processes 9—69238
Parungo, F.P., Allee, P.A. Rocket effluent: its ice nucleation activity and related properties 9—88446
Parungo, F.P. *see* Sax, R.I. 9—100919
Parusov, V.V. *see* Uzlov, I.G. 9—70064
Parvathanathan, P.S. *see* Deniz, K.U. 9—86877
Parvatov, G.N., Popov, A.A. A diffraction method of determining the parameters of open cracks on metal surfaces 9—66237
Parvin, K., MacLaughlin, D.E. Nuclear spin relaxation and transition-metal impurities in superconducting aluminium 9—60977
Parvizi, A. *see* Bailey, J.E. 9—61723
Parvulescu, A. *see* Sulak, L. 9—59317
Parwell, J. *see* Plomp, A. 9—83684
Paryani, B.T. *see* Maheshwari, P.N. 9—96665
Parygin, V.N. *see* Balakshii, V.I. 9—59832
Parygin, V.N. *see* Lipatov, A.S. 9—64264
Paryjczak, T., Gebauer, D., Kozakiewicz, A. Investigation of the rhenium-oxygen system within the wide temperature range 9—79286
Paryshev, V.Ya. *see* Zhernov, V.S. 9—76108
Parzen, G. Correction of the closed orbit and vertical dispersion and the tuning and field correction system in ISABELLE 9—72105
Parzen, G. *see* Claus, J. 9—76189
Parzhitskii, S.S. *see* Kraft, O.E. 9—80907
Parziale, E.A. *see* Bouchey, G.D. 9—49676
Parziale, P.A. *see* Soltzberg, L.J. 9—99312
Parzynski, R. Depolarization effects in two-photon ionization of polarized alkali atoms by unpolarized light 9—59409
Parzynski, R. Spin-depolarized photoelectrons from two-photon ionization of polarized alkali atoms by linearly polarized light 9—63971
Parzynski, R. Polarization effects in two-photon ionization of alkali atoms with two light beams 9—81190
Parzynski, R. Yield asymmetry in two-photon ionization of spin-polarized alkali atoms with elliptically polarized light 9—98052
Pasachoff, J.M., Goebel, R.W. Laboratory exercises in astronomy—Cepheid variables and the cosmic distance scale 9—84920
Pasagic, R. *see* Stimac, T. 9—57945
Pascal, D. *see* Brunet-Brunol, D. 9—54159
Pascal, G. *see* Goula, X. 9—74861
Pascale, J. *see* de Prunele, E. 9—86051
Pascaud, C. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Paschall, R.K. *see* Specht, E.R. 9—49666
Pascher, H., Hafele, H.G. Optically-pumped stimulated recombination radiation in p-type InSb in high magnetic fields 9—94284
Paschina, G. *see* Caminiti, R. 9—77479
Paschmann, G., Sckopke, N., Bame, S.J., Asbridge, J.R., Gosling, J.T., Russell, C.T., Greenstadt, E.W. Association of low-frequency waves with suprathermal ions in the upstream solar wind 9—58209
Paschmann, G. *see* Bame, S.J. 9—58197
Paschoa, A.S. *see* Montenegro, E.C. 9—85848
Paschoa, A.S. *see* Quintella, H.M. 9—53261
Paschos, E.A. *see* Claudson, M. 9—49448
Pascual, J., Camassel, J., Mathieu, H. Deformation potentials measurement of the direct forbidden transition in TiO_2 9—95806
Pascual, P. *see* Bernabeu, J. 9—93606
Pascual, R. Theoretical study of the excitation levels of ^{62}Ni 9—67654
Pasechnik, L.L., Romanyuk, L.I., Svavil'nyi, N.E. 'Fast' processes in a beam-plasma interaction in a gas discharge 9—64879
Pasechnik, L.L. *see* Gromov, S.N. 9—60143
Pasechnik, V.A. *see* Yurchenko, V.S. 9—55678
Pasechnik, V.I. Thermal fluctuations in membranes and the problem of mechanoreception 9—53057
Pasechnik, V.I., Bychkova, Ye.Yu. Piezo-effect, background conductivity and filtration coefficients of bilayer lipid membranes 9—57598
Pasechnik, V.I., Flerov, M.N. Single mechanosensitive ionic channel-model of the elementary acts of reception and rearrangements of the macromolecules 9—79564
Pasechnik, V.I., Gianik, T. Elastic properties of bilayer membranes in the direction perpendicular to the membrane plane 9—57602
Pasechnik, V.I., Gianik, T. Size of the region of 'distortion' of the membrane close to an ionic channel formed by gramicidin A 9—92164
Pasechnik, V.I. *see* Karagodin, V.P. 9—92165
Pasechnyi, S.V. *see* Zelenskii, S.N. 9—64383
Pasechnyi, V.A. *see* Zaporozhets, V.M. 9—78722
Paseka, A.M. Polarization of 920-MHz galactic radio waves in the Loop III region 9—97087
Pasemann, M., Werner, P. Identification of small defects in silicon 9—95001
Pasemann, M. *see* Kholer, R. 9—86797
Pashaev, Kh.M. *see* Abdullaev, M.N. 9—51647
Pashchenko, A.V., Rutkevich, B.N., Fedorchenko, V.D., Mazalov, Yu.P. Charge drop in a charged-particle beam 9—64169
Pashchenko, G.S. *see* Blagov, M.I. 9—76303
Pashchenko, V.Z., Kononenko, A.A., Rubin, A.B., Rubin, L.B. Picosecond fluorimetry of the bacteria Rhodopseudomonas sphaeroides, strain 1760-1 9—92178
Pashchenko, V.Z., Rubin, L.B. Laser spectroscopy of primary energy conversion in photosynthesis 9—66461
Pashin, V.A. *see* Basargin, Yu.G. 9—54628
Pashinkin, A.S., Malkova, A.S., Belyak, A.F. Partial pressure diagram of the system Ge-Te-O 9—83183
Pashinkin, A.S., Mamedov, A.N., Kulieva, N.A., Bakhyshov, R.G. Thermodynamic investigation into Tl-Cd-Sb system 9—51247
Pashintsev, Yu.I. *see* Bagratishvili, G.D. 9—60932
Pashitskii, E.A. *see* Gabovich, A.M. 9—65578
Pashkevich, M.F. *see* Akulov, G.P. 9—50687
Pashkevich, V.V. *see* Alikov, B.A. 9—75828
Pashkina, T.A. *see* Lityagina, L.M. 9—73311
Pashko, S.A. *see* Belyaletdinov, I.F. 9—72706
Pashko, S.A. *see* Bessonov, Yu.L. 9—98408
Pashko, S.A. *see* Borodulin, V.I. 9—89933
Pashkov, P.O. Special features of shock-wave treatment of solids (30-1200 kbar pressure) 9—55820
Pashkov, P.P. *see* Kononenko, A.S. 9—52397
Pashkov, V.A., Solov'eva, N.M., Angert, N.G. Induced optical inhomogeneity of lithium niobate in an external electric field 9—95730
Pashkov, V.A. *see* Kudryavtseva, A.P. 9—69923
Pashkov, V.V., Lobko, M.P. Dielectric properties of liquid normal and parahydrogen 9—87374
Pashkov, V.V., Marinin, V.S., Konovodchenko, E.V. Ultrasound velocity and inter molecular interactions in liquid hydrogen 9—65144
Pashkov, V.V. *see* Khohlov, Yu.I. 9—65178
Pashkov, V.V. *see* Khokhlov, Yu.I. 9—77869
Pashkov, Yu.I. *see* Potekhin, B.A. 9—91646
Pashov, N. *see* Simov, S. 9—78151
Pashov, N.K. *see* Popova, L.I. 9—65339
Pashuk, V.V. *see* Bakanov, L.V. 9—75988
Pasian, F., Pucillo, M., Santin, P., Sedmak, G., Rusconi, L. Programs for the development of image processing at Trieste Astronomical Observatory 9—58270
Pasian, F., Sedmak, G. Bidimensional filtering technique for astronomical images 9—58269
Pasian, F., Sedmak, G., Rusconi, L. Technique for the optimal filtering of photograms 9—58268
Pasichnii, V.V. *see* Shevchenko, O.V. 9—96007
Pasichnii, V.V. *see* Stegnii, A.I. 9—77725
Pasierb, E., Gurr, H.S., Lathrop, J., Reines, F., Sobel, H.W. Detection of weak neutral currents using fission $\bar{\nu}_e$ on deuterons 9—80828
Pasino, E. *see* Normann, R.A. 9—74653
Pask, C. *see* Barrell, K.F. 9—55218, 9—55231
Pask, J.A. *see* Aksay, I.A. 9—99259
Pask, J.A. *see* Holmquist, G.A. 9—77826
Pask, J.A. *see* Risbud, S.H. 9—77521

Pask, J.A. *see* Wong, B. 9—78912, 9—78918
Paskhin, E.D. Motion of polymer liquids under unstable conditions and in channel terminals 9—77046
Pasmanik, G.A. *see* Averbakh, V.S. 9—72628
Pasmanik, G.A. *see* Bespalov, V.I. 9—64280
Pasmanik, G.A. *see* Efimkov, V.F. 9—98445
Pasour, J.A. *see* Eden, J.G. 9—98344
Pasoyan, O.I. *see* Akimov, Yu.K. 9—49525
Pasquale, F.de *see* de Pasquale, F.
Pasquale, R.J.De *see* De Pasquale, R.J.
Pasquale, S.Di *see* Di Pasquale, S.
Pasquale, V. *see* Elena, A. 9—100886
Pasqualetti, F. *see* Ciolli, P. 9—50228
Pasquevich, A.F. *see* Lopez-Garcia, A.R. 9—78589
Pasquevich, A.F. *see* Martinez, J.A. 9—82902
Passell, L. *see* McTague, J.P. 9—65306
Passell, L. *see* Tarvin, J.A. 9—60572
Passerone, A., Sangiorgi, R., Eustathopoulos, N., Desre, P. Microstructure and interfacial tensions in Zn-In and Zn-Bi alloys 9—74132
Passler, M., Ignatiev, A., Jona, F., Jepsen, D.W., Marcus, P.M. Determination of the Ni{001}c(2×2)-CO structure by low-energy electron diffraction 9—86982
Passner, A. *see* Gibbs, H.M. 9—61454, 9—64314
Passy, U. On the Cobb-Douglas functions in multiobjective optimization 9—53397
Pasternack, L. *see* Donnelly, V.M. 9—74355
Pasternak, A.A. *see* Alexandrov, A.A. 9—63629
Pasternak, M., Shamai, S. A glass liquid helium cryostat for Mossbauer spectroscopy 9—58853
Pasternak, M. *see* Collins, G.S. 9—61283
Pasternak, R.E. *see* Chait, R. 9—61734
Pasternak, T., Merigan, W.H. Abnormal visual resolution of cats reared in stroboscopic illumination 9—83788
Pasternak, V.B. *see* Gavrev, V.S. 9—70276
Pasternak, V.E., Senkevich, A.A., Yushkanov, A.A., Yalamov, Yu.I. Isothermal creep of a moderate-density gas along a planar surface 9—82022
Pasterny, K. *see* Kluk, E. 9—86660, 9—86661
Pasteur, G.A. *see* Pearson, A.D. 9—52763
Pasteur, J., Ferriere, R. Ultrasonic imaging by acousto-optic interaction in the Raman-Nath regime 9—55260
Pasteur, J., Seyzeriat, Y. Contributions of acoustical holography to mechanical metrology 9—86300
Pasto, A.E. *see* Mack, J.E. 9—93805
Pastol, J.-L. *see* Revel, G. 9—52138
Pastor, H. *see* Peytavy, J.L. 9—61802
Pastor, H. *see* Peytavy, J.-L. 9—74097
Pastor, J.M. *see* de Saja, A. 9—52104
Pastor, K., Grynberg, M., Couder, Y. Magnetooptical investigation of Γ_8 bands anisotropy in HgTe 9—82984
Pastor, K., Grynberg, M., Galazka, R.R. Influence of exchange interaction on $\Gamma_8 \rightarrow \Gamma_8$ magnetoabsorption in $Hg_{1-k}Mn_kTe$ 9—61351
Pastor, R.C., Harrington, J.A., Gorre, L.E., Chew, R.K. New coating materials for IR laser optical components 9—65821
Pastorelli, M. *see* Cappellini, V. 9—96670
Pastre, J., Rosset, R. Energy considerations in a two-dimensional model of deep convection 9—84409
Pastre, J., Rosset, R. A microphysical model of low stratiform cloud. Preliminary application to an environmental problem 9—84410
Pastukhov, V.V. *see* Vydrin, V.N. 9—100195
Pastukhova, Zh.P. *see* Vasil'ev, V.P. 9—91707
Pastur, L.A. *see* Zagrebnov, V.A. 9—71354
Pastushenko, V.F., Chimadzhev, Yu.A., Kalandadze, I.L. Dipole cooperative model of the ionic channels of the excitable biomembranes. Conductivity of ionic channels 9—79480
Pastushenko, V.F., Chizmadzhev, Yu.A., Kalandadze, I.L. Dipole cooperative model of the ionic channels of excitable biomembranes. I. Gate currents 9—53054
Pastushenko, V.F. *see* Abidor, I.G. 9—70531
Pasupathi, V., Perrin, J.S. Observation of pellet-cladding interaction defects in Dresden-3 fuel rods 9—67899
Pasupathy, J. *see* Bell, J.S. 9—63448
Pasynkov, V.V. *see* Miroshkin, V.P. 9—82769
Patai, S. *see* Balog, M. 9—100055
Pataki, P. Visual and objective assessment of colour distortion in the quality control of the textile industry 9—63291
Patalakha, D.I. *see* Givernaud, A. 9—58982
Patankar, A.V. *see* Khetrapal, C.L. 9—82886
Patankar, S.V., Ivanovic, M., Sparrow, E.M. Analysis of turbulent flow and heat transfer in internally finned tubes and annuli 9—81979
Patankar, S.V. *see* Sparrow, E.M. 9—55376
Pataraki, O.O. *see* Bel'kov, A.A. 9—71763
Patashinski, A.Z. *see* Klamut, J. 9—82792
Patashinskii, A.Z. *see* Kuz'min, G.A. 9—86409
Pate, B.D. *see* Garvey, P.M. 9—81060
Pate, R.C. *see* Kuester, E.F. 9—76874
Patel, A.R., Arora, S.K. Growth and characterization of mixed Sr:Ca tartrates 9—52102
Patel, A.R., Cherian, K.A. Overgrowths on diamond at atmospheric pressure 9—51030
Patel, A.R., Rao, K.V., Shivakumar, G.K. Electron microscopy of bismuth oxychloride crystallites 9—52103
Patel, A.R., Venkateswara Rao, A. Gel growth and perfection of orthorhombic potassium perchlorate single crystals 9—78862
Patel, B.A. *see* Taukulis, R.A. 9—96391
Patel, C.A. *see* Talati, J.D. 9—83389
Patel, C.K.N. Laser detection of pollution 9—57557
Patel, C.K.N., Tam, A.C. Absorption profile of the seventh harmonic of the C-H stretch in liquid benzene 9—56806
Patel, C.K.N., Tam, A.C. Optoacoustic spectroscopy of liquids 9—58797
Patel, C.K.N., Tam, A.C. Optoacoustic Raman gain spectroscopy of liquids 9—75606
Patel, C.K.N., Tam, A.C. Optical absorption coefficients of water 9—82992
Patel, C.K.N., Tam, A.C., Kerl, R.J. High overtones of C-H stretch in liquid benzene measured by laser optoacoustic spectroscopy 9—93982
Patel, C.K.N., Yafet, Y. Tunable stimulated Raman scattering in the far infrared 9—50344
Patel, C.K.N. *see* Tam, A.C. 9—82993
Patel, D., Margolese, D., Dyke, T.R. Electric dipole moment of SO_2 in ground and excited vibrational states 9—64116
Patel, D.J. Structure and dynamics of synthetic DNA and RNA duplexes in solution. Premelting, melting, and postmelting transitions of alternating adenine-uracil polynucleotides 9—57574
Patel, D.L., DuPre, D.B. Poly(γ-benzyl-L-glutamate) liquid crystals in benzene 9—94889
Patel, G.N., Chance, R.R., Witt, J.D. A planar-nonplanar conformational transition in conjugated polymer solutions 9—64129
Patel, G.N. *see* Chance, R.R. 9—87460
Patel, H.B. *see* Agarwal, M.K. 9—90607
Patel, J.P., Raja, P.K.S. Paleomagnetic results from the Narosura and Magadi volcanics of Kenya 9—79740
Patel, J.P., Raja, P.K.S. A palaeomagnetic study of lower Proterozoic granites from Western Kenya 9—84099
Patel, J.R., Kimerling, L.C. Dislocation defect states in silicon 9—82549
Patel, J.S., Pande, G.D., Raghunath, B.K., Tewary, V.K. A report on the various heat collection and heat storage systems evolved under the solar energy programme at BITS 9—62085
Patel, K.S. *see* Deniz, K.U. 9—86877
Patel, K.S. *see* Kharsan, R.S. 9—79345
Patel, L.K. Einstein Universe with a source-free electromagnetic field 9—85036
Patel, L.K., Trivedi, V.M. The Einstein-Godel Universe with an electromagnetic field 9—80376
Patel, M.M., Patel, N.K., Vora, J.C. Thiocresol as a corrosion inhibitor for brass 9—57147
Patel, M.M., Vora, J.C., Patel, N.K. Inhibitive action of some thioureas towards corrosion of 63/37 brass in acetic acid solution 9—87759
Patel, M.M. *see* Chakoo, K.J. 9—50030, 9—72328
Patel, M.R. *see* McSherry, A.J. 9—61680
Patel, N.B., Brosson, P., Ripper, J.E. Spectral hole burning in GaAs junction lasers 9—50291
Patel, N.B., Nunes, F.D., Vilela, J.M. Theory of spontaneous emission reduction at lasing with long delays in GaAs junction lasers 9—64226
Patel, N.B. *see* Brosson, P. 9—98395
Patel, N.B. *see* Bull, D.J. 9—98389
Patel, N.B. *see* Chang, S.-L. 9—82470
Patel, N.B. *see* Nunes, F.D. 9—86179
Patel, N.B. *see* Vilela, J.M. 9—98366
Patel, N.K. *see* Franco, J. 9—57145
Patel, N.K. *see* Patel, M.M. 9—57147, 9—87759
Patel, P.D., Theofanous, T.G. Fragmentation requirements for detonating vapor explosions 9—49753
Patel, P.M. *see* Biswas, N.N. 9—63556
Patel, P.M. *see* Chilingarov, A. 9—54365, 9—54368
Patel, P.M. *see* Yaws, C.L. 9—65218
Patel, T.C. *see* Agarwal, M.K. 9—90607
Patel, T.C. *see* Sangwal, K. 9—65088, 9—79136
Patel, V.C. *see* Taeyoung Han 9—72878
Patel, V.P., Chandra, H. Magnetic activity effects in the E-region drifts at Ahmedabad [India] 9—88541
Patel, V.P., Chandra, H., Rastogi, R.G. Ionospheric E-region drift measurements over Ahmedabad during 1970-75 9—53637
Patel, V.P. *see* Chandra, H. 9—88528
Pater, C.J.de *see* de Pater, C.J.
Patera, J. *see* Bystricky, J. 9—85324
Patera, J. *see* Lemire, F. 9—63381
Pateriya, M.P. Unsteady flow of a dusty viscous liquid through elliptic ducts 9—50703
Paterlini, F. *see* Maier, G. 9—68595
Patermann, C. Halfway through INFCE 9—89370
Paterno, G. *see* Balsamo, E.P. 9—56430
Paterson, D. *see* O'Reilly, R.J. 9—88171
Paterson, J.L. Critical currents of SNS junctions with Cu:Mn and Cu:Ni barriers 9—69633
Paterson, J.L. *see* Gerdt, D.W. 9—85138
Paterson, J.M. *see* Donald, M.H.R. 9—72101
Paterson, J.M. *see* Rapidis, P.A. 9—75780
Paterson, P.J.K., Wright, P.W. Some metallurgical applications of Auger electron spectroscopy 9—91883
Patey, G.N., Levesque, D., Weis, J.J. Integral equation approximations for dipolar fluids 9—86669
Patey, G.N., Torrie, G.M., Valleau, J.P. A Monte Carlo study of the dense polarizable dipolar hard sphere fluid 9—86665
Patey, G.N. *see* Levesque, D. 9—90510
Patey, G.N. *see* Ng, K.-C. 9—99293
Pathak, A.P. Interatomic potential for atomic collisions in real solids 9—51173
Pathak, A.P. 'Simplicity considerations' in interatomic potential for channeling calculations 9—82267
Pathak, G.R. *see* Odak, S. 9—98139
Pathak, K.N. *see* Kahol, P.K. 9—55632, 9—55645
Pathak, K.N. *see* Monga, M.R. 9—55843
Pathak, K.N. *see* Singh, H.B. 9—55462
Pathak, L.P., Singh, B.P., Hemkar, M.P. Transport properties of alkali metals 9—91016
Pathak, M.P. *see* Johri, V.B. 9—62909
Pathak, P.N. The Aryabhata satellite project: a statistical analysis of weight and cost parameters of spacecraft with special reference to Aryabhata 9—84635
Pathak, S.K., Chaturvedi, M.C. Hydrodynamic stability of a laminar boundary layer over a flexible surface with constant suction 9—77070
Pathania, R.S., Chitty, J.A. Stress corrosion cracking of steam generator tube materials in sodium hydroxide solutions 9—66196
Pathania, R.S., Tatone, O.S. Steam generator tube performance. Experience with water-cooled nuclear power reactors during 1977 9—59178
Patheja, B.L. *see* Sodha, M.S. 9—55495, 9—60149
Pathria, R.K. *see* Pajkowski, H.R. 9—69307
Pathria, R.K. *see* Zasada, C.S. 9—86939
Patierno, V. *see* Clerico, M. 9—87742
Patil, B.V. Activation energy for the reaction of nickel-carbon melts with alumina 9—83448
Patil, D.C., Korwar, V.M. RKR Franck-Condon factors and r-centroids for $B^2\Sigma$-$A^2\Pi$ transition of CN 9—81195
Patil, M.S. *see* Ramakrishnan, N. 9—96626
Patil, P.B. Magneto-solid of semi-infinite cylindrical shell with strain dependent permeability 9—94483
Patil, P.G. Thermal performance of solar collectors used in the [USA] national solar heating and cooling demonstration program 9—62059
Patil, R.N. *see* Chougule, B.K. 9—91529
Patil, S.B., Keer, H.V., Chakrabarty, D.K. Structural, electrical, and magnetic properties in the system $Ba_xLa_{1-x}CoO_3$ 9—65663
Patil, S.H. *see* Kanavi, S.C. 9—63956, 9—93952
Patil, S.K. *see* Vasudeva Rao, P.R. 9—65899
Patil, V.U., Kulkarni, R.G. Magnetic properties of Cu-Zn ferrite investigated by Mossbauer spectroscopy 9—87344
Patil, V.U., Kulkarni, R.G. Coulomb excitation of low-energy levels in ^{45}Sc 9—93552
Patin, Y. *see* Haouat, G. 9—89230
Patitucci, P.J. *see* Brimm, J.E. 9—70673
Patki, A.V. The Aryabhata satellite project: the structure 9—84634
Patkos, A., Rujan, P. Static properties of the one-dimensional planar ferromagnet in an external field 9—51735
Patkos, A., Rujan, P. Continuous kink condensation in the planar quantum Hamiltonian 9—97329
Patnaik, P.R. *see* Kudchadker, A.P. 9—77736
Paton, A. *see* Duke, C.B. 9—86967
Paton, A. *see* Meyer, R.J. 9—77462
Paton, A. *see* Salaneck, W.R. 9—98150
Paton, F. *see* Lewis, G.W. 9—51171
Paton, J. *see* Barnes, J.C. 9—51081
Paton, N.E., Hamilton, C.H. Microstructural influences on superplasticity in Ti-6Al-4V 9—52323
Paton, N.E. *see* Ahlberg, L.A. 9—74192
Paton, N.E. *see* Rhodes, C.G. 9—52272
Paton, R. *see* Mattingly, G.E. 9—68892
Patorski, K. Subtraction and addition of optical signals using a double-grating shearing interferometer 9—55069
Patorski, K. Application of Talbot effect to the measurement of the radius of curvature of small diameter spherical beam 9—86200
Patorski, K. Measurement of the wavefront curvature of small diameter laser beams using the Fourier image phenomenon 9—94273
Patorski, K. *see* Szapiel, S. 9—94148
Patra, A.L., Afify, E.M. An experimental study of velocity distribution and pressure drop characteristics in human lung model 9—96602
Patrascioiu, A. Infrared properties of quantum determinants 9—85237
Patrascioiu, A. Algorithm for finite regularization 9—93283
Patrascioiu, A. *see* Gildener, E. 9—67475
Patrascioiuiu, A. Computation of the fermion determinant in two-dimensional QED 9—97548
Patricelli, S. *see* Castellano, M. 9—63197
Patrick, B.H. *see* Lees, E.W. 9—85457, 9—85458

Patrick, J. A reassessment of the lunar observatory hypothesis for the Kilmartin Stones 9—96927
Patrick, J.F. *see* Abrams, G.S. 9—89149
Patrick, R., Pilling, M.J., Tullock, J.M. Temperature dependence of the lifetime of naphthalene $^1B_{3u}$ under Boltzmann conditions 9—86008
Patrick, W.J., Hu, S.M., Westdorp, W.A. The effect of SiO_2 precipitation in Si on generation currents in MOS capacitors 9—78188
Patrikeev, G.A., Ovchinnikov, L.N., Ovchinnikova, V.N., Zakharov, N.D. Instrument for controlled notching of rubber specimens 9—70258
Patrikeev, V.S. Optics of eccentric systems in the paraxial approximation 9—98459
Patro, J.B. *see* Kondal Rao, N. 9—49806
Patrushev, E.P. *see* Ivanov, A.S. 9—79105
Patrushev, G.Ya. Fluctuations of the field of a wave beam on reflection in a turbulent atmosphere 9—66793
Patsakos, G. Equivalence of the Maxwell and wave equations 9—97138
Patseka, R.F. *see* Vorontsov, N.M. 9—78994
Patsiokas, S.J., Besieris, I.M. Propagation of a CW laser beam through an absorptive focusing medium 9—76740
Pattanayak, D.N. *see* Agrawal, G.P. 9—72476
Pattemore, G.W. *see* Clegg, R.J. 9—66400
Pattemore, S.W. *see* Clegg, R.J. 9—66399
Patten, R.A.Van *see* Van Patten, R.A.
Patterson, B.D. μSR research in semiconductors 9—56672
Patterson, B.D., Keller, J. A cluster calculation of the muon hyperfine field in nickel 9—56661
Patterson, B.D. *see* Boekema, C. 9—56674
Patterson, C.W., Galbraith, H.W., Krohn, B.J., Harter, W.G. Energy level clusters for $\nu_2+\nu_3$ type combination bands of tetrahedral molecules 9—98009
Patterson, C.W. *see* Harter, W.G. 9—85954, 9—93975
Patterson, C.W. *see* McDowell, R.S. 9—94218
Patterson, D. *see* Gentle, K.W. 9—90442
Patterson, E.L., Hays, G.N., Truby, F.K., Gerber, R.A. Laser-beam characteristics of Phoenix, an HF oscillator-amplifier system 9—76701
Patterson, E.L. *see* Hoffman, J.M. 9—86174
Patterson, G.D. *see* Alms, G.R. 9—57228
Patterson, H.H., Lynn, J.W. Lattice-dynamics study of Cs_2SiF_6 with application to the vibronic optical spectra of MnF_6^{-2} in Cs_2SiF_6 9—60449
Patterson, H.O. *see* Milakofsky, L. 9—80386
Patterson, J. Eruptions and superhumps in dwarf novae 9—75212
Patterson, J. BD+66°1066=NGC 6543 9—75223
Patterson, J. NGC 6543 and V Sagittae 9—92763
Patterson, J. The stabilization of the 3 hour period of Nova Cygni 1975 9—92776
Patterson, J. *see* Baianu, I.C. 9—90566
Patterson, L.K. *see* Gould, J.M. 9—92298
Patterson, L.K. *see* Redpath, J.L. 9—92306
Patterson, M.H. *see* Varma, R.R. 9—60921
Patterson, P.D. *see* Hintermann, A. 9—56673
Patterson, R. *see* Iltis, R. 9—49239
Patterson, R.D. *see* Johnson-Davies, D. 9—53158
Patterson, R.P., Fisher, S.V. The accuracy of electrical transducers for the measurement of pressure applied to the skin 9—83959
Patterson, R.W. *see* Adam, J.D. 9—82774
Pattinson, T.R. *see* Musinski, D.L. 9—49834
Pattison, B. *see* Armenise, N. 9—93397, 9—93398
Pattison, J.B.M. *see* Ciampolillo, S. 9—71739
Pattison, P. *see* Weyrich, W. 9—89588
Pattison, V.A. *see* Mackey, J.H. 9—52657
Pattnaik, P.C., Thompson, M.D., Das, T.P. Theory of quadrupole interaction in the ground state of ^{67}Zn nucleus in zinc metal 9—73481
Patton, B. *see* Tremblay, A.-M. 9—69484
Patton, C.E. Spin-wave instability theory in cubic single crystal magnetic insulators. I. General theory 9—65667
Patton, C.E. Spin-wave instability theory in cubic single crystal magnetic insulators. II. Applications 9—73825
Patton, C.E., Jantz, W. Anomalous subsidiary absorption butterfly curves in single crystal YIG at 9.16 GHz and 300K 9—82875
Patton, C.E. *see* Wettling, W. 9—78529
Patton, C.E. *see* White, G.O. 9—78531, 9—82762
Patton, J.C. *see* Laird, J.C. 9—96494
Patton, R.D. *see* Sander, O.R. 9—72153
Pattyn, H. *see* Reintsema, S.R. 9—82896
Patwardhan, A.S., Tillson, D.D., Nowack, R.L. Zonation for critical facilities based on two-level earthquakes 9—88286
Patwardhan, A.S. *see* Idriss, I.M. 9—84182
Paty, M. Neutrinos in the depths of the sea 9—75104
Paty, M. *see* Read, A.L. 9—49510
Patz, G. Formation of bow waves around blunt bodies in the flow behind a moving shock 9—68744
Patzert, W.C., Barnett, T.P., McNally, G.J., Sessions, M., Wyrtki, K., Kilonsky, B., Kirwan, A.D., Jr. Aircraft monitoring of ocean thermal structure and currents 9—84517
Patzold, H.J. *see* Mory, S. 9—59720
Patzold, S. *see* Bothe, W. 9—68000
Pau, L.F. An infrared source classification system 9—49296
Paufler, P. Use of the radical plane construction to derive effective atomic radii in Cr_3Si compounds [A-15 compounds] 9—99109
Paugurt, A.P. *see* Petrov, M.P. 9—99770
Paukshte, Yu.A. *see* Paulavichyus, A.B. 9—65342
Paukshte, Yu.A. *see* Tolutis, V.B. 9—56335
Paul, A. Influence of complexing agents and nature of buffer solution on the chemical durability of glass. I. Theoretical discussion 9—74268
Paul, A., Youssefi, A. Influence of complexing agents and nature of buffer solution on the chemical durability of glass. II. Effect of EDTA, ethyl alcohol, and sugar in the leach solution 9—74269
Paul, A.C., Neil, V.K. Computational studies of beam dynamics in the ETA gun 9—72023
Paul, A.C., Pillai, K.C. Pollution profile of a river [Periyar River, S.India] 9—57510
Paul, A.K. *see* Davies, K. 9—75020
Paul, A.K. *see* Ghosh, S.N. 9—52651, 9—69051
Paul, C.H. *see* Mehler, E.L. 9—59341
Paul, D.B. A robust vocoder with pitch-adaptive Spectral Envelope Estimation and an integrated maximum-likelihood pitch estimator 9—59883
Paul, D.I. Application of soliton theory to ferromagnetic domain wall dynamics 9—82813
Paul, D.I., Pecora, L.M. Temperature dependence of the magnetization for a random-uniaxial-anisotropy amorphous ferromagnetic material 9—78442
Paul, D.K. Isotopic composition of strontium in Indian kimberlites 9—92536
Paul, D.K., Mitra, S.S. Characterisation of amorphous semiconductor materials for solar cell applications 9—61983
Paul, D.K. *see* Bhagat, S.M. 9—51860
Paul, D.R. *see* Koros, W.J. 9—73340
Paul, E. On the contribution of the orientation and velocity relaxation to the atomic line shape. I. Moderate pressure region 9—49984
Paul, E. *see* Evangelista, C. 9—75788, 9—80843
Paul, F., Melville, D., Roath, S. Axial particle trajectory measurements in high-gradient magnetic separation 9—53165
Paul, H. *see* Fessender, R.W. 9—74467
Paul, H. *see* Lasinger, M. 9—59289
Paul, H.S., Sarma, K.V. Forced torsional vibrations of a semi-infinite piezoelectric medium of (622) class 9—51910
Paul, I.B. *see* Saran, T. 9—52786
Paul, I.C. *see* Desiraju, G.R. 9—73159
Paul, I.N. *see* Stark, H. 9—92373
Paul, J.A. *see* Caraveo, P.A. 9—71116
Paul, J.P. *see* Jones, D. 9—74715
Paul, M.C. *see* Lo, D.S. 9—78484
Paul, M.H. *see* Wessel, H.U. 9—62393
Paul, P. *see* Delayen, J.R. 9—67986
Paul, R. Application of field theoretical methods to the calculation of spectroscopic band shapes of molecules in strongly interacting solvents. IV. Microscopic interpretation of the extended rotational diffusion model 9—64048
Paul, R. *see* Bhattacharjee, B. 9—69009
Paul, R.C., Sharma, R., Puri, T., Kapoor, R. Formic acid solvent system. IV. Behaviour of electrolytes in formic acid 9—57239
Paul, R.Chand *see* Chand Paul, R.
Paul, R.N., Yan, G., Ross, A.M. INMACS: a computer assisted on-line fissile material inventory and criticality control system 9—89486
Paul, S. *see* Bhattacharjee, B. 9—69009
Paul, S.K. *see* Kapoor, R.K. 9—92573
Paul, S.L. *see* Ratzlaff, K.L. 9—80689
Paul, V. New regulations for the training of quality controllers in the Federal German Republic 9—80391
Paul, W. Experimental determination of the neutron lifetime 9—58958
Paul, W., Fromm, B. Some remarks on the AC behaviour of thin sputtered amorphous GeSe films 9—65566
Paul, W., Trinks, U. A magnetic storage ring for neutrons 9—59293
Paul, W. *see* Anderson, D.A. 9—91096, 9—91585
Paul, W. *see* Brefeld, W. 9—63826, 9—68002
Paul, W. *see* Freeman, E.C. 9—95866
Paul, W. *see* Fromm, B. 9—95513
Paul, W. *see* Kugler, K.J. 9—72043
Paul Singh, P. *see* Spitzer, J.J. 9—65208
Paulauskas, N.M. *see* Renner, W.D. 9—100711
Paulavichyus, A.B., Yasutis, V.V., Paukshte, Yu.A., Burneika, I.P. Effect of thermal annealing on the structure and the physical properties of $CdGa_2Te_4$ films 9—65342
Pauletta, G. *see* Adams, G.S. 9—80915
Pauli, F. Fluorescence microscopy in water pollution abatement. Epipelic biocenoses along a river give proof of its self-cleaning capacity 9—79702
Pauli, M. *see* Paras, N. 9—63659
Paulin, R. *see* Boidron, M. 9—99182
Paulin, R. *see* Hogg, B.G. 9—65777
Paulin, R. *see* Mourino, M. 9—55781
Paulin, S. *see* Sandor, T. 9—83900
Pauling, L. The crystal structure of Li_3ThF_7 9—69083
Pauliny-Toth, I.I.K. *see* Schilizzi, T.R. 9—92878
Pauliny-Toth, I.I.K. *see* Witzel, A. 9—88754
Paulis-Illangasekare, M. *see* Smejtek, P. 9—83709, 9—83710
Paulot, C. *see* Cosme, G. 9—58968
Pauls, T.A. *see* Wilson, T.L. 9—88744
Paulsen, A., Widera, R., Arnotte, F., Liskien, H. Cross sections for the reactions $^{54}Fe(n,\alpha)^{51}Cr$, $^{54}Fe(n,p)^{54}Mn$, and $^{56}Fe(n,p)^{56}Mn$ 9—93613
Paulson, C. *see* Jassby, D.L. 9—50898
Paulson, D.N. *see* Krusius, M. 9—58696
Paulson, H.M. *see* Kinney, J.A.S. 9—53119
Paulson, J.F. *see* Rose, T.L. 9—68279
Paulson, J.F. *see* Thomas, T.F. 9—50096, 9—86017
Paulson, W.M., Hickernell, F.S., Davis, R.L. Effects of deposition parameters on optical loss for RF-sputtered Ta_2O_5 and Si_3N_4 waveguides 9—76881
Paulsrude, D.M. *see* Madenburg, R.S. 9—100553
Paulsson, H., Rosen, E., Tegman, R. Thermodynamic studies of high temperature equilibria. XIX. On cluster formation in some binary oxide solid solutions 9—60511
Pauluhn, J., Zimmermann, H.W. Recent investigations of the binding of ethidium bromide to DNA. II. Communication: comparison of the binding constants of ethidium bromide and related compounds. Discussion of the competitive and non-competitive band 9—79446
Paulus, H. *see* Jones, P.G. 9—69074
Paulus, R. A preliminary note concerning charts with plotted meteorological parameters as a tool of the meteorological support to low level flights in Central Europe 9—66772
Paulus, U. *see* Ono, Y. 9—78200
Pauly, H. *see* Philipp, G. 9—100751
Paumier, E., Girard, J.P. A simplified model of the intermediate state of thin type I superconducting slabs 9—61001
Paunov, M., Michailov, E. The orientation of vapour grown silver layers on tungsten 9—65994
Paunovic, M. *see* Bettelheim, F.A. 9—62241
Paureau, J. *see* Robert, J.L. 9—60690
Pauri, M. *see* Collepardi, M. 9—61856
Paus, H. *see* Schwan, L.O. 9—99920
Paus, H.J., Strohm, K.M. Color centers in the ionized and in the triplet state—Z_2 centers in ytterbium-doped KCl crystals 9—91481
Paus, H.J. *see* Strohm, K.M. 9—91480
Paus, P.E. *see* Skei, J. 9—83641
Pauser, G. *see* Thoma, H. 9—83877
Pauss, F., Mathelitsch, L., Lacombe, M., Loiseau, B., Vinh Mau, R. Correlations between potentials and observables in the NN interaction 9—67577
Pauthenet, R. *see* Pajaczkowska, A. 9—51758
Pautov, A.I. *see* Belyaev, B.N. 9—75894
Pautov, V.A. *see* Mukumov, M.R. 9—70541
Pautov, V.D. *see* Freidzon, Ya.S. 9—55665
Pautov, V.I. Strain gauge with an integrated operational amplifier 9—75522
Pautrat, J.L. *see* Katircioglu, B. 9—95362
Pautrat, J.L. *see* Magnea, N. 9—60764, 9—99940
Pautrat, M. *see* Roulet, C. 9—75854
Pauwels, E.K.J. *see* de Graaf, P. 9—70611
Pauzat, F. *see* Barone, V. 9—97998
Pavan, A. *see* Ricco, T. 9—91824
Pavan, B. *see* Amaldi, E. 9—67217
Pavel, D.G. *see* Taukulis, R.A. 9—96391
Pavelcik, F., Hanic, F. Crystal and molecular structure of binuclear copper acetate mono-α-picoline 9—99174
Pavelets, S.Yu. *see* Kantariya, R.V. 9—52934
Pavel'ev, A.A. *see* Lushchik, V.G. 9—90231
Pavel'ev, V.A. *see* Vinogradov, E.A. 9—92391
Pavelle, R. Birkhoff's theorem and Einstein's equations 9—71340
Paver, N. Charmed 'current quark' mass and D-meson semi-leptonic decays 9—97577
Paverman, N.G. *see* Goldberg, V.M. 9—50691
Pavese, F., Barbero, C. The triple point of pure normal-deuterium 9—95124
Pavesic, N. *see* Gyergyek, L. 9—83958
Pavia, D. *see* Short, M.D. 9—100716
Pavin, N.Ya. *see* Kasatkin, B.A. 9—68538
Pavinich, V.F. Simple method for low-temperature investigation of IR spectra of volatile substances 9—54136
Pavinich, V.F., Belousov, M.V. Dispersion analysis of the reflection spectra of monoclinic crystals 9—99877
Pavinich, V.F. *see* Belousov, M.V. 9—78676
Pavlath, A.E., Millard, M.M. Analysis of X-ray photoelectron spectra through their even derivatives 9—100463
Pavlenishvili, Ye.Sh. *see* Vekua, L.V. 9—74834
Pavlenko, A.V. A plane problem in elasticity theory for a plate with curvilinear anisotropy 9—81726
Pavlenko, E.S. *see* Bogush, G.E. 9—75553
Pavlenko, N.P. *see* Panichkina, V.V. 9—61540
Pavlenko, N.P. *see* Pugin, V.S. 9—66219
Pavlenko, O.P. *see* Filippov, G.F. 9—75811

Pavlenko, V.P. Formation of standing periodic nonlinear waves due to interaction of nonlinear Langmuir waves with thermal particles 9–98895
Pavlenkova, N.I., Pilipenko, V.N., Dzyuba, V.V. Computer processing of deep probing and refraction seismograms 9–84528
Pavlichuk, T.A. *see* Lebedev, V.I. 9–89025
Pavlidou, E. *see* Golka, J. 9–95787
Pavlik, B.D. Depression of molecular rotation in gas due to coherent selective laser radiation 9–86152
Pavlik, C.E. *see* Golden, W.G. 9–65852
Pavlik, K. To the convergence of the field solution in a non-linear environment by the network method 9–81350
Pavlik, R.E. *see* Willeke, K. 9–70383
Pavlin, V., Perrone, N. Finite difference energy techniques for arbitrary meshes applied to linear plate problems 9–55330
Pavlinov, L.I. *see* Krylova, S.V. 9–87864
Pavlinov, M.I. *see* Bashtovoi, B.G. 9–94592
Pavlinskii, G.V., Bondarenko, B.Yu., Losev, N.F. Method of standards-functions in X-ray special fluorescent analysis (XSFA) 9–52822
Pavloff, Y.V. *see* Petrov, A.G. 9–100582
Pavlopoulos, P. *see* Backenstoss, G. 9–68336
Pavloshchuk, V.A. *see* Prikhotko, A.F. 9–72313
Pavloski, R.P. *see* Cott, A. 9–83881
Pavlov, A.B. *see* Dobychin, S.L. 9–64076
Pavlov, A.N. Change of state of colour centres in alkali halide crystals due to the action of an electrostatic field 9–58827
Pavlov, A.V. Tensor of the viscous stresses of the neutral component of the upper atmosphere 9–62633
Pavlov, B.A., Potekhin, D.P., Etsin, I.Sh. Automatic interferometer for measuring space between reflecting surfaces 9–97354
Pavlov, B.S. *see* Belozerskii, G.N. 9–56494, 9–95610
Pavlov, D.V. *see* Bessarab, A.V. 9–98941
Pavlov, G.G., Shibanov, Yu.A. Effect of polarization of vacuum by a magnetic field on the propagation of electromagnetic waves in a plasma 9–77392
Pavlov, G.G., Shibanov, Yu.A., Gnedin, Yu.N. Effect of vacuum polarization by a strong magnetic field on the cyclotron radiation of a thermal plasma 9–89089
Pavlov, G.G., Yakovlev, D.G. Meridional circulation caused by stellar rotation 9–62818
Pavlov, G.M. *see* Bogdanov, P.V. 9–54656
Pavlov, G.M. *see* Tsvetkov, V.N. 9–55643
Pavlov, I.E., Alyamovskii, S.I., Shveikin, G.P. Properties of the thermal expansion of cubical phases of TiO_y and TiO_xH_m 9–55906
Pavlov, I.M., Tarasevich, Yu.F., Leshkevich, G.G., Shelest, A.E. Correlation between the hardness of titanium alloys and their strength 9–87707
Pavlov, I.V. *see* Pavlov, V.A. 9–71421
Pavlov, K.B. Boundary-layer theory in non-Newtonian nonlinearly viscous media 9–90289
Pavlov, L.I. *see* Mitev, V.M. 9–55186, 9–76489
Pavlov, M.A. *see* Konenkov, N.V. 9–50915
Pavlov, N.I. Determination of the electrical conductivity of semiconductor films by a combined four-probe method 9–67348
Pavlov, N.I., Kiselev, A.A., Lyaptsev, A.V. Stability of molecular configurations in the strong field of a resonance light wave 9–64114
Pavlov, N.I., Yakunin, Yu.I. Determination of the Hall effect and magnetoresistance in weak and strong magnetic fields by the four-probe method 9–60853
Pavlov, N.I. *see* Kiselev, A.A. 9–94039
Pavlov, N.N. *see* Naidenova, G.P. 9–57268
Pavlov, O.M. *see* Antonova, D.I. 9–75545
Pavlov, O.M. *see* Kudrin, V.M. 9–75547
Pavlov, P.A., Privalov, V.E. Striations in a glow discharge 9–55595
Pavlov, P.V. Effect of excess silicon on formation of α-Si_3N_4 under ionic implantation of nitrogen 9–86809
Pavlov, P.V., Belov, N.V. Mechanism of the α-β transition of Si_3N_4 under annealing 9–87629
Pavlov, P.V., Kuril'chik, E.V. Reaction of iron with boron incorporated into silicon by ionic bombardment 9–77620
Pavlov, S.K., Skordeva, E.R., Baeva, M.B., Yurukova, L.S. Kinetics of photostructural transformations in vitreous As_3Se_2 above room temperature 9–65941
Pavlov, S.K. *see* Kolomiets, B.T. 9–61455
Pavlov, S.T. *see* Gol'tsev, A.V. 9–69843, 9–91438
Pavlov, S.T. *see* Korovin, L.I. 9–99858
Pavlov, V.A., Avrunina, G.V. Manufacture and properties of sintered titanium alloyed with Mo, Zr and Nb 9–95975
Pavlov, V.A., Pavlov, I.V. Ways of increasing the accuracy of gyroscopic instruments for aviation 9–71421
Pavlov, V.A. *see* Arakelov, A.G. 9–82256
Pavlov, V.A. *see* Vil'danova, N.F. 9–91708
Pavlov, V.F. *see* Rokhvarger, E.L. 9–61616
Pavlov, V.I., Simonov, V.D. Optimization of the cyclical operating regime of an atomic power plant reactor 9–71916
Pavlov, V.N. *see* Maksimovich, G.G. 9–100233
Pavlov, V.N. *see* Rikovska, J. 9–59031
Pavlov, V.S. *see* Bayukov, Yu.D. 9–49538
Pavlov, Y.M. *see* Grigor'yev, V.A. 9–90245
Pavlov, Yu.M. *see* Grigoriev, V.A. 9–59915
Pavlova, A.D. *see* Mashkova, E.S. 9–87551
Pavlova, A.G. *see* Boos, E.G. 9–67611, 9–89203
Pavlova, A.K. *see* Topolkaraev, V.A. 9–65139
Pavlova, E.F., Chukova, Yu.P., Shtilikha, M.V. Heterojunctions based on cubic and hexagonal ZnS and ZnSe and tetragonal rare earth and bismuth oxyhalides 9–60919
Pavlova, G.A., Latysheva, E.I., Kondrat'ev, Yu.N., Panfilova, L.A., Malyutina, T.I. High-precision stability of fused silica and pyroceramic end gages 9–76778
Pavlova, L.M. *see* Glazov, V.M. 9–87832
Pavlova, L.N. *see* Kondorskaya, N.V. 9–84170
Pavlova, S.-S.A. *see* Korshak, V.V. 9–57123
Pavlova, S.-S.A. *see* Timofejeva, G.I. 9–61862
Pavlova, V.L. *see* Krivulin, V.N. 9–100368
Pavlova, V.T. The sensitized delayed fluorescence of anthracene vapor 9–54888
Pavlovic, M. Temperature boundary layer on a rotating curved surface—the case of constant wall temperature 9–81903
Pavlovich, V.S., Pikulik, L.G. Relationship between excitation and absorption spectra of solutions of dipolar molecules in the range 77-300K 9–85970
Pavlovskaya, N.G. *see* Tarasov, M.D. 9–91467
Pavlovski, K. The light variations of the Ap star CQ UMa 9–88667
Pavlovski, K. *see* Harmanec, P. 9–53817
Pavlovskii, V.E. *see* Filatov, E.Ya. 9–83428
Pavluchenko, A.I., Smirnova, N.I., Kovshev, E.I., Titov, V.V. Liquid crystalline compounds in pyridine series 9–86876
Pavlushkin, N.M., Sarkisov, P.D., Mikhailenko, N.Yu. Catalytic effect of fluorine on phase separation in glasses in the SiO_2-Al_2O_3-CaO-R_2O system 9–60280
Pavlychev, A.A., Vinogradov, A.S., Onopko, D.E., Titov, S.A. Structure of continuous X-ray absorption near the $L_{2,3}(2P)$ ionization threshold of silicon in $[SiF_2]^{2-}$ 9–99983
Pavlycheva, N.K. *see* Nagulin, Yu.S. 9–72693
Pavlyuchenko, A.V. Low-temperature properties of $V_3Ge_xOs_{1-x}$ compounds 9–99652
Pavlyuchenko, N.M. *see* Zviadadze, G.N. 9–52758
Pavlyuchenko, Yu.M. *see* Kechin, V.V. 9–86832
Pavlyuchko, A.I. *see* Khovrin, G.V. 9–50159
Pavlyuchko, A.I. *see* Ponomarev, Yu.I. 9–54838
Pavoni, N. A study of earthquake focal mechanisms in the Hollister area, southern Coast Ranges, California 9–79752
Pavot, B., Polus, E. Antiseismic supports for nuclear power stations 9–54535
Pavsic, M. Unification of leptons and quarks within conformal relativity 9–93343
Paw U Kyaw Tha *see* Kyaw Tha Paw U
Pawalowski, K. Fixed points of cyclic group actions on disks 9–62994
Pawar, S.H. Crystal growth and thermoluminescence of $CaSO_4$:Dy 9–56923
Pawar, S.H. *see* Mulla, M.R. 9–78764
Pawel, H.E., Wilson, C.E., Bauer, K. Analysis of vascular sound in stenotic flows 9–79593
Pawel, R.E. Oxygen diffusion in the oxide and alpha phases during reaction of Zircaloy-4 with steam from 1000° to 1500°C 9–100288
Pawel, R.E., Cathcart, J.V., Campbell, J.J. The oxidation of Zircaloy-4 at 900 and 1100°C in high pressure steam 9–66208
Pawelek, R. *see* Van Uitert, L.G. 9–49219
Pawelke, G. *see* Burger, H. 9–68235, 9–72314, 9–72317, 9–72318
Pawelke, G. *see* McKean, D.C. 9–94104
Pawelska, I. *see* Wojciechowski, J. 9–83004
Pawlaczyk, C., Luther, G., Muser, H.E. Influence of crystal lattice defects on the ferroelectric dispersion of triglycine sulphate 9–51904
Pawlak, J.A. *see* Mackey, J.H. 9–52657
Pawlewicz, W.T., Mann, I.B., Lowdermilk, W.H., Milam, D. Laser-damage-resistant transparent conductive indium tin oxide coatings 9–50333
Pawley, G.S. *see* Mackenzie, G.A. 9–91449, 9–95097
Pawlik, P.S. *see* Reismann, H. 9–68638
Pawlik, R. *see* Tokarzewska, M. 9–70037
Pawlikowski, A., Kowalczyk, B., Kasprzyk, H. On the thermodynamical properties of a three-axial ferromagnet such as U_3X_4 9–78410
Pawlikowski, J.M. Photoconductivity of graded-gap $Cd_xHg_{1-x}Te$ 9–60869
Pawlikowski, J.M., Misiewicz, J., Sujak-Cyrul, B., Wrobel, J. Absorption edge of Zn_3As_2 at 5, 80, and 300K 9–56793
Pawlikowski, M. *see* Zgierski, M.Z. 9–59460, 9–68247, 9–98108
Pawlina, A. *see* Capsoni, C. 9–84342
Pawlowski, A., Dukiet-Zawadzka, B., Orman, M., Ciach, R. Homogenization of aluminium-magnesium alloys 9–78949
Pawlowski, A. *see* Ciach, R. 9–56980
Pawlowski, S. *see* Serkowski, S. 9–70137
Pawlowski, Z., Marzec, J., Cudny, W., Holnicka, J., Walentek, J. A proportional counter for efficient backscatter Mossbauer effect spectroscopy 9–76289
Paxton, A.H. *see* Salvi, T.C. 9–81460
Paxton, H.C. *see* Hansen, G.E. 9–76061
Pay, T.L., Andersen, F.A., Jessup, G.L., Jr. Survival of Drosophila melanogaster pupa exposed to ultrasound 9–88114
Paya, D. On pear-shaped nuclei 9–67645
Paya, D. *see* Tricoire, H. 9–54448
Payen de la Garanderie, H. *see* Larignon, M. 9–51997
Payer, K. *see* Gacs, I. 9–57333
Payne, B.R., Leontiadis, J., Dimitroulas, C., Dounas, A., Kallergis, G., Morfis, A. A study of the Kalamos Springs in Greece with environmental isotopes 9–53393
Payne, B.W. Quantitative analysis and mapping of elements in biological thin sections by electron energy loss spectroscopy 9–74820
Payne, B.W., Williams, E.D.F. Contamination and its prevention in scanning transmission electron microscopy 9–71578
Payne, B.W. *see* Williams, E.D.F. 9–71579, 9–74821
Payne, D.N. *see* Adams, M.J. 9–59816
Payne, D.N. *see* Conduit, A.J. 9–64350
Payne, D.N. *see* Hartog, A.H. 9–55232
Payne, D.N. *see* Norman, S.R. 9–64318
Payne, D.N. *see* Sladen, F.M.E. 9–76828
Payne, H.E., Bania, T.M. H I emission-absorption measurements of the radio source CL4 9–62922
Payne, H.E. *see* Pankonin, V. 9–71139
Payne, H.J. *see* Anderson, G.M. 9–85743
Payne, M.A. *see* Cain, B. 9–70743
Payne, M.G. *see* Chen, C.H. 9–94025
Payne, M.G. *see* Hurst, G.S. 9–52800, 9–54996
Payne, M.G. *see* Kramer, S.D. 9–81189
Payne, P.W. Density functionals in unrestricted Hartree-Fock theory 9–89583
Payne, R.F. *see* Hoffman, R.F. 9–96655
Payne, S.W. *see* Thompson, R.M., Jr. 9–88431
Payne, W.A. *see* Lee, J.H. 9–66327
Payne, W.A. *see* Michael, J.V. 9–52626, 9–66271, 9–74359
Payne, W.A. *see* Stief, L.J. 9–74360
Payne, W.A. *see* Whytock, D.A. 9–66283
Payne-Gaposchkin, C. *see* Kleinmann, S.G. 9–62841
Paynter, R. *see* Wall, B.F. 9–92375
Payton, R.G. Epicenter motion of a transversely isotropic elastic half-space due to a suddenly applied buried point source 9–72840
Pazan, S. *see* Kirwan, A.D., Jr. 9–79866
Pazan, S.E. *see* Friehe, C.A. 9–70894
Pazdur, A. On the application of a proportional counter to continuous monitoring of ^{222}Rn concentration in the study of thermal diffusion in Rn-Co_2 mixture 9–50839
Pazdzerskii, V.A., Tsipinyuk, B.A. Ionization of an atom near a metal surface 9–68310
Paziaud, A. *see* Berlin, C. 9–97858
Pazin, A.V. Calculation of the activation energy of electrical conductivity of glasses of the system Sb-Ge-Se 9–51568
Pazin, A.V. Total gram-atomic volume—a universal characteristic of substances 9–95066
Pazin, A.V., Glushkov, E.D., Borisova, Z.U. Vitrification and electrical conductivity of glasses in the system $GeSe_2$-As_2Se_3-Sb_2Se_3 9–50996
Pazin, A.V., Morozov, V.A., Borisova, Z.U. Vitrification and electrical conductivity of glasses in the system $SnSe_2$-$GeSe_2$-As_2Se_3 9–50997
Pazma, V. On path integrals and relativistic quantum mechanics 9–53995
Pazonyi, T. *see* Foldes, E. 9–70124
Pazyuk, M.Yu. *see* Ishchenko, A.D. 9–77312
Pazzhivin, A.P. *see* Akhamnov, S.A. 9–92182
Pazzi, R. *see* Angelini, C. 9–67548
Pchelinova, L.D. *see* Krasovitskii, B.M. 9–85992
Pchelkin, N.R. *see* Dorko, E.A. 9–96301
Pchelkin, V.Yu. Analysing processes taking place during vaporisation of components of complex melts 9–73298
Pchelyakov, O.P., Stenin, S.I. Precision determination of interplanar spacings by means of reflection electron diffraction 9–64961
Pea, I., Migliaccio, G. Biological effects of non ionizing radiations 9–74717
Peach, D.M., Russell, J.C. Aggregation of binding protein from rat nerve 9–62181
Peach, J.V. *see* Bucknell, M.J. 9–88752
Peach, L.C. *see* Abdelazeez, M.K. 9–89834
Peaker, A.R., Brunwin, R.F., Jordan, P., Hamilton, B. Recombination in gallium phosphide via a deep state associated with nickel 9–99560
Peaker, A.R. *see* Brunwin, R. 9–65402
Peano, A. Conforming approximations for Kirchhoff plates and shells 9–90129
Pear, M.R., Weiner, J.H. Brownian dynamics study of a polymer chain of linked rigid bodies 9–86096
Pearce, E.M. *see* Bordoloi, B.K. 9–79248
Pearce, E.M. *see* Mark, H.F. 9–56918
Pearce, G.W. *see* Latham, A.G. 9–84107
Pearce, J. *see* Nimmo, B. 9–62043

Pearce, J.A. A proposed method for quantitative performance evaluation of electrosurgical dispersive electrodes 9—74735
Pearce, J.A. *see* Caruso, P.M. 9—92424
Pearce, J.A. *see* Overmyer, K.M. 9—96519
Pearce, J.B. *see* Kaiser, M.L. 9—84732
Pearce, P.A., Monroe, J.L. A simple proof of spin-$^1/_2$ X-Y inequalities 9—73660
Pearce, P.A. *see* Griffiths, R.B. 9—75466
Pearce, R.M. Reduction of multiple scattering displacement by a magnetic field parallel to the beam 9—81110
Pearce, R.M. *see* Sperry, W.C. 9—94111
Pearce-Whittaker, J. Co-polymer impregnation of gypsum casts 9—100107
Pearl, J., Hanel, R., Kunde, V., Maguire, W., Fox, K., Gupta, S., Ponnamperuma, C., Raulin, F. Identification of gaseous SO_2 and new upper limits for other gases on Io 9—92704
Pearl, P.L. *see* Frees, L.C. 9—61843
Pearlman, M.R. *see* Bender, P.L. 9—79723
Pearlman, R.C. *see* Horovitz, L.J. 9—96584
Pearlstein, R.M., Hemenger, R.P. Bacteriochlorophyll electronic transition moment directions in bacteriochlorophyll a-protein 9—100572
Pearlstein, R.M., Van Nostrand, F., Nairn, J.A. Time dependence of triplet-singlet excitation transfer from compact poly rA to bound dye at 77K 9—57586
Pearmain, A.J. *see* Gallagher, T.J. 9—91360
Pearsall, T.P. Threshold energies for impact ionization by electrons and holes in InP 9—99554
Pearsall, T.P. *see* Nicholas, R.J. 9—65370
Pearson, A.D., Northover, W.R. Preparation and properties of ultrapure, low loss sodium borosilicate glass 9—59850
Pearson, A.D., O'Connor, P.B., MacChesney, J.B. Fabrication of synthetic high silica tubing and optical fibers 9—50462
Pearson, A.D., Pasteur, G.A., Northover, W.R. Determination of the absorptivity of OH in a sodium borosilicate glass 9—52763
Pearson, A.D. *see* Tynes, A.R. 9—99893
Pearson, B.R. The anodic oxidation of zirconium—some aspects of ionic incorporation 9—57160
Pearson, D.B. *see* Amrein, W.O. 9—54274, 9—75375, 9—80462, 9—84992
Pearson, D.B. *see* Choudhury, M.H. 9—59368
Pearson, D.I.C., Williams, J.M. Mossbauer absorption line function for a polycrystalline quadrupole-split absorber situated in a large applied magnetic field 9—87340
Pearson, D.I.C., Williams, J.M. ^{57}Fe Mossbauer study of hexagonal phase iron alloys 9—91321
Pearson, F.J., Jr., Fisher, D.W., Plummer, L.N. Correction of ground-water chemistry and carbon isotopic composition for effects of CO_2 outgassing 9—66718
Pearson, G.F. *see* Rauh, R.D. 9—100510
Pearson, G.L. *see* Chang, K.I. 9—61422
Pearson, G.L. *see* Garner, C.M. 9—87141
Pearson, G.L. *see* Houng, Y.M. 9—66015
Pearson, G.L. *see* Kocot, K. 9—69465
Pearson, G.L. *see* Kordos, P. 9—60645
Pearson, G.P., Jones, D.F. Chemistry, properties and orthopaedic applications of acrylic cements 9—84000
Pearson, G.W., Pilcher, J.R., Baille, M.G.L. Carbon-14 dating. A step in the direction of quartz clock accuracy 9—96840
Pearson, J. *see* Simpson, H.M. 9—61827
Pearson, J.R.A., McIntire, L.V. Non-isothermal rheology of polymers and its significance in polymer processing 9—90206
Pearson, J.R.A., Trottnow, R. On die swell: some theoretical results 9—60020
Pearson, R.B. *see* Elitzur, S. 9—85232
Pearson, R.B. *see* Kogut, J.B. 9—89108
Pearson, R.K. *see* Catalano, E. 9—66308
Pearson, T.J. *see* Cohen, M.H. 9—92882
Pearson, T.J. *see* Readhead, A.C.S. 9—92883
Pearson, W.B. The Th_2Zn_{17} structure: accounting for the constant axial ratio of the hexagonal cell 9—69056
Pearson, W.B. *see* Brandon, J.K. 9—99116
Pearson, W.C., Lister, C.R.B. The gravity signatures of isostatic, thermally-expanded ridge crests 9—66604
Peart, B., Forrest, R.A., Dolder, K. A search for structure in cross sections for detachment from C^- and O^- ions by electron impact 9—89787
Pease, D.M., Azaroff, L.V., Vaccaro, G.K., Hines, W.A. Electronic structure of ferromagnetic Ni-Al solid solutions 9—69653
Pease, P.L. *see* Siwoff, R. 9—53138
Pease, R.F.W. *see* Gibbons, J.F. 9—73182
Pease, R.F.W. *see* Regolini, J.L. 9—60391
Pease, R.S. Towards a controlled nuclear fusion reactor 9—81075
Pebler, J. *see* Kohler, P. 9—78305
Pecastaings, F. *see* Ladeveze, J. 9—90131
Peccei, R.D., Ruckl, R. Energy flow in neutrino scattering. A test of perturbative QCD 9—67534
Pech, R. *see* Barnham, K.W.J. 9—85293
Pech, R. *see* Blietschau, J. 9—93396
Pecharich, E.I. A magneto-telluric field over gently-sloping elongated structures 9—84111
Pechen', E.V. *see* Golovashkin, A.I. 9—60950
Pechenezhskii, V.I. *see* Abramenkov, A.D. 9—82362
Pechenick, K.R., Cohen, J.M. New exact solution to the Einstein-Dirac equations 9—58596
Pechenov, A.N. *see* Kozlovskii, V.I. 9—94237
Pecherskaya, K.P. *see* Lavrinovich, B.M. 9—98503
Pecherskaya, V.I., Bolshutkin, D.N., Ilichev, V.Y. Peculiarities of the electrical resistivity and structural-magnetic transformations in Fe-18Cr-(10-25)Ni steels at low temperatures 9—99527
Pecherskiy, D.M., Nazarova, E.A., Lykov, A.V. Magnetic properties and some problems in the structure and development of the Earth's crust and upper mantle 9—79816
Pecherskiy, D.M. *see* Bagin, V.I. 9—62481
Pechinskaya, N.I. *see* Krat, V.A. 9—92743
Pechkovskii, V.V. *see* Cherches, G.Kh. 9—50173
Pechkovskii, V.V. *see* Eshchenko, L.S. 9—79234
Pechkovskii, V.V. *see* Kuz'menkov, M.I. 9—52147
Pechman, V. *see* Koutsky, J. 9—78989
Pechmann, J.B., Melosh, H.J. Global fracture patterns of a despun planet: applications to Mercury 9—66941
Pechmann, J.B., Muhleman, D.O., Berge, G.L. Polar heating and the shape of Venus 9—70981
Pechtl, U. *see* Frey, U. 9—51894
Pechukas, P., Pollak, E. Classical transition state theory is exact if the transition state is unique 9—98191
Pecile, C. *see* Bozio, R. 9—99869
Pecina, P. Observation of the sporadic background in Nov. 1974 9—80278
Pecinka, L., Zeman, V. Analysis of relative motion between VVER pressure vessel and its internals 9—67882
Peck, C. *see* Chestnut, R. 9—89531
Peck, P.F. Control analysis of ^{235}U in nuclear fuel by a neutron absorption method 9—85720
Peck, S. *see* Braun, C. 9—83548
Peck, S.B. *see* Littauer, R. 9—72210
Peck, W.G. Computer aided design for production cost reduction 9—86239
Peckett, A. *see* Maurer, P. 9—53739
Peckham, G.E. *see* Baker, B. 9—74973
Peckover, R.S. *see* Gimblett, C.G. 9—94130
Pecora, D. Quality assurance plan for criticality safety calculations at Rocky Flats 9—63767
Pecora, L., Ehrlich, A.C. Reconstruction of momentum distribution from point-geometry positron-annihilation data 9—56883
Pecora, L.M. On the partition function as a functional integral over the eigenspace of an elliptic operator 9—75394
Pecora, L.M., Ficalora, P. A synthesis of Brewer-Engel and Samsonov-Pryadko-Pryadko electron correlations for metals 9—60737
Pecora, L.M. *see* Paul, D.I. 9—78442
Pecora, R. Depolarized Rayleigh spectroscopy of rigid macromolecules 9—94119
Pecseli, H.L. *see* Karpman, V.I. 9—77395
Pecseli, H.L. *see* Sugai, H. 9—86575
Peczeli, I. *see* Kovacs, I. 9—85944
Peczeli, I. *see* Lorincz, E. 9—98342
Pedan, L.G. *see* Bunin, K.P. 9—52449
Pedash, V.F. *see* Luzanov, A.V. 9—54830
Pedash, Yu.F. *see* Luzanov, A.V. 9—54830
Pedder, M.A. Vertical cross-section analysis based on a cylindrical projection 9—84549
Peddicord, K.L., Ades, M. Prediction of the thermal conductivity of sphere-pac fuel 9—59174
Peddicord, K.L., Cunningham, M.E., Tripathi, A. Porosity correction to thermal conductivity based on analytical temperature solutions 9—59173
Pedemonte, E. *see* Alfonso, G.C. 9—66082
Peden, M.E., Skowron, L.M. Ionic stability of precipitation samples 9—70828
Pedersen, B. *see* Tegenfeldt, J. 9—77561
Pedersen, E.H. *see* Andersen, N. 9—54955
Pedersen, E.H. *see* Rodbro, M. 9—76510
Pedersen, E.Horsdal *see* Horsdal Pedersen, E.
Pedersen, F., Raka, E.C. A measurement of the longitudinal coupling impedance in the Brookhaven AGS 9—72104
Pedersen, F. *see* Hofmann, A. 9—76565
Pedersen, F. *see* Van Ness, H.C. 9—51244
Pedersen, H.J. *see* Guldbrandsen, T. 9—88979
Pedersen, H.M. Final comment on the theory of speckle 9—50226
Pedersen, L. *see* Schultz, J.A. 9—76541
Pedersen, L.B. *see* Nielson, J.O. 9—92630
Pedersen, L.G. *see* McLean, W. 9—69359
Pedersen, N.F., Mygind, J., Soerensen, O.H., Dueholm, B. A simple qualitative determination of Josephson tunnel junction parameters near the transition temperature 9—65610
Pedersen, N.F. *see* Bindslev Hansen, J. 9—91186
Pedersen, N.F. *see* Mygind, J. 9—56439
Pedersen, N.F. *see* Soerensen, O.H. 9—78266
Pedersen, N.J. *see* Andersen, J.R. 9—61846
Pedersen, P.E. Grinding and polishing processes in the production of collimator mirrors 9—71433
Pederson, A. *see* Gregg, M. 9—58104
Pederson, A. *see* Mozer, F.S. 9—70930
Pederson, A.M., Gregg, M.C. Development of a small in situ conductivity instrument 9—74970
Pederson, N.F. *see* Mygind, J. 9—95547
Pedley, M.D. *see* Borrell, P. 9—89618
Pednekar, S.P., Agrawal, A.K., Chaung, H.E., Staehle, R.W. Transgranular cracking of copper in 1M $NaNO_2$ solution 9—100287
Pedotti, A. *see* Frigo, C. 9—57638
Pedotti, A. *see* Grandori, F. 9—74633
Pedoussaut, A. *see* Carquillat, J.-M. 9—53854
Pedreros, M. *see* Anguita, C. 9—75284
Pedretti, E. *see* Arcipiani, B. 9—76314
Pedretti, M., Chiang, F.P. On the lower limit of one beam laser speckle interferometry 9—97427
Pedrick, L. *see* Rahmlow, H.F. 9—92915
Pedrini, C., McClure, D.S., Anderson, C.H. Photoionization thresholds of divalent rare earth ions in alkaline earth fluorides 9—78132
Pedrotti, F.L. *see* Yeo, Y.K. 9—99542
Pedulli, G.F., Guerra, M. Radical ion pairs of 1,4,5,8-tetraazanaphthalene 9—50051
Peebles, D.E. *see* Kolln, W.S. 9—87856
Peebles, D.L. *see* Ozaki, M. 9—95474
Peebles, L.H., Jr. *see* Warner, S.B. 9—77531
Peebles, P.J.E. The mean mass density estimated from the Kirshner, Oemler, Schechter galaxy redshift sample 9—75298
Peeck, A. Reduction of sound production and sound radiation in plates with irregular shock-like response 9—81616
Peek, H.L. *see* Linssen, A.J. 9—70193
Peek, J.M. *see* Ramaker, D.E. 9—100346
Peel, J.B. *see* Carnovale, F. 9—86005
Peel, J.B. *see* Nagy-Felsobuki, E. 9—72233
Peeler, H.W. *see* Sakurada, Y. 9—54680
Peeler, W.H. *see* Sakurada, Y. 9—81112
Peelle, E. Mitigating community impacts of energy development. Some examples for coal and nuclear generating plants in the US 9—61938
Peeples, D. *see* Makous, W. 9—100607
Peer, W.J. *see* Teherani, T.H. 9—100386
Peercy, P.S., Stein, H.J. Laser annealing of hydrogen implanted amorphous silicon 9—69133
Peercy, P.S. *see* Chen, P.J. 9—56738
Peercy, P.S. *see* Doyle, B.L. 9—77626
Peercy, P.S. *see* Stein, H.J. 9—69119
Peetermans, J. *see* Finsy, R. 9—92440
Peeters, D., Leroy, G. On the use of localized orbitals and restricted alternant orbitals in chemical systems 9—76334
Peeters, D. *see* Leroy, G. 9—89593
Peeters, P. *see* De Clercq, C. 9—89188
Peev, N.S. *see* Grekhov, V.M. 9—52009
Peeva, R.A. *see* Zafirova, B.S. 9—64316
Peffley, W.M., Wurtz, H.P. A non-evacuated cryogenic package for infrared detectors 9—97395
Pegaitaz, R. *see* Beer, A. 9—49920
Pegel, C. *see* Anders, B. 9—75967
Pegel, C. *see* Palla, G. 9—67640
Pegeot, C. *see* Clastre, J. 9—54098
Pegg, D.T. Absorber theory approach to the dynamic Stark effect 9—54807
Pegg, D.T. *see* Doddrell, D.M. 9—61247
Peggs, G.N. A review of the fundamental methods used at NPL for measuring gauge pressures up to 1 kPa 9—63265
Pegoraro, F. *see* Coppi, B. 9—75241
Pegoraro, F. *see* Jacopini, E. 9—97291
Pegram, G.G.S. *see* Woolhiser, D.A. 9—53481
Pegrum, C.M. *see* Guenault, A.M. 9—65596
Peguin, P. *see* Deterre, P. 9—95025
Pei, D.C.T. *see* Balakrishnan, A.R. 9—68704, 9—68705, 9—68706
Pei, S.S. *see* Fulton, T.A. 9—82713
Pei Chi Chou, Croman, R. Scale effect in fatigue of composite materials 9—91780
Pei-lin Chang *see* Chang Pei-lin
Pei-Nan Tsung, Laor, Y.G. General equations for the calculations of biologic effect ratios for parallel opposing fields 9—62299
Pei-You Xue *see* Xue Pei-You
Pei-Zi Li *see* Li Pei-Zi
Peier, D. Breakdown of LN_2 by field induced microbubbles 9—91365
Peier, W. *see* Behringer, K. 9—54528
Peiffer, D.G. Degrees of freedom of polymeric molecules and their effect in physical properties 9—69029
Peinel, G. What kind of potential does a H-bond proton feel? An electrostatic study 9—94054
Peinturier, P., Mayrargue, D.A., Guesnier, G., Varaldi, G. Electronic system of power-station control with modules and distributed software based on controbloc elements 9—76110
Peirano, F. *see* Gourdon, J. 9—76099
Peirce, J.W. *see* Clark, M.J. 9—84215
Peirson, D.H. *see* Cambray, R.S. 9—79997
Peisach, J. *see* Shimizu, T. 9—54871
Peisakhzon, B.I. *see* Chetverikov, A.G. 9—53031
Peise, G. *see* Brandelik, R. 9—63491, 9—93441
Peise, G. *see* Celio, R.B. 9—93425
Peisl, H. Lattice strains due to hydrogen in metals 9—82202
Peisl, J. *see* Zabel, H. 9—73304
Peiter, A., Lode, W. Some applications of X-ray integration methods to the determination of residual stresses in steel and nickel 9—52551

Peixoto, E.M.A., de Souza, G.G.B., M. do Carmo A. Santos A Mollenstedt velocity analyzer for medium energy electrons (500 eV-3 keV) 9–80721
Pejcev, V.M., Kurepa, M.V., Cadez, I.M. Total ionization and electron attachment cross sections of CCl_2F_2 by electron impact 9–59586
Pejovnik, S., Smolej, V., Susnik, D., Kolar, D. Statistical analysis of the validity of sintering equations 9–95959
Peka, G.P. *see* Brodovoi, V.A. 9–73553, 9–95456
Peka, G.P. *see* Kovalenko, V.F. 9–56858
Pekalski, A. *see* Jakubczak, J. 9–78407
Pekar, G.S. *see* Bobyl', A.V. 9–95828
Pekar', G.S. *see* Bratus', V.Ya. 9–73807
Pekar, S.I., Izmailov, I.A., Kochelap, V.A., Kukibnyi, Yu.A. The theory of the photorecombination laser thermally induced behind a shock-wave front 9–76682
Pekar, S.I. *see* Demidenko, A.A. 9–61405
Pekarek, L. *see* Krasa, J. 9–60126
Pekarev, A.I. *see* Tsybizov, F.S. 9–52273
Pekarskii, G.Sh., Volchenko, Yu.A., Katsman, Yu.Ya., Kucher, G.A. Nondestructive neutron-radiation testing of moisture content in newly formed asbestos-cement pipes 9–75539
Pekarskii, G.Sh. *see* Gorbunov, V.I. 9–76302, 9–93100
Peker, L.K. Nuclear data sheets for A=136 9–75819
Peker, L.K., Hamilton, J.H. Possible triaxial shape of even-A mercury nuclei and a phase transition between $\lesssim_{80}{}^{196}$Hg and $_{80}{}^{198,200}$Hg 9–93503
Peker, L.K., Hamilton, J.H. Are the E1 transitions from octupole vibrational states collective or particle transitions? 9–93548
Peker, L.K. *see* de Lima, A.P. 9–54377
Peker, L.K. *see* Haustein, P.E. 9–67664
Pekhoshkina, T.I. *see* Zemskov, K.I. 9–98407
Pekshev, P.Yu. *see* Barannikov, A.L. 9–55579
Peksheva, N.P., Strukov, V.M. Method for the comparative estimation of the activity of catalysts 9–83501
Pelant, I. *see* Sladky, P. 9–70328
Pelayo, J. *see* Bernabeu, E. 9–59420
Pelcovits, R.A. Low-temperature renormalization-group study of the random-axis model 9–61137
Pelcovits, R.A., Halperin, B.I. Two-dimensional ferroelectric liquid crystals 9–77497
Pelcovits, R.A., Halperin, B.I. Two-dimensional ferroelectric liquid crystals 9–77514
Pelekh, B.L., Livdar, V.A. On effect of the preliminary strain of the reinforcing annulus in bending of the transversally isotropic plate weakened by circular hole 9–50591
Pelekhatyi, V.M. *see* Belyaletdinov, I.F. 9–72706
Pelekhatyi, V.M. *see* Zolotov, E.M. 9–59770, 9–64341
Pelepelin, E.V. *see* Lyapin, E.A. 9–98995
Peleteiro, J. *see* Casado, J. 9–49948
Peletminksii, S.V. *see* Krasil'nikov, V.V. 9–95381
Pelevin, O.V. *see* Mikhailov, V.F. 9–82316
Pelevin, O.V. *see* Stafeev, V.I. 9–51662, 9–51664
Peli, E. *see* Zeevi, Y.Y. 9–79522
Pelikh, L.N., Gursakas, A.A. Low-temperature paraelectric $NaBi(MoO_4)_2$ 9–95702
Pelinovskii, E.N., Petukhov, Yu.V., Fridman, V.E. Approximate equations for propagation of powerful acoustic signals in the ocean 9–98526
Pelinovskii, E.N., Soustova, I.A., Fridman, V.E. Diffraction of sound beams in inhomogeneous media 9–64377
Pelinovskii, E.N., Stepanyants, Yu.A. Linear approximation in pulse propagation problems in nonlinear media 9–94390
Pelinovskii, E.N. *see* Gurbatov, S.N. 9–81601
Pelinovskii, E.N. *see* Ostrovskii, L.A. 9–94395
Pelipenko, V.P. *see* Dzubenko, M.I. 9–72563
Pelissier, J. *see* Camel, D. 9–87574
Pelissier, M., Malrieu, J.P. CI investigations on the AlN molecule 9–93930
Pelissier, R. Stability of a pseudo-periodic flow 9–98809
Pelissier, R. *see* Issartier, P. 9–79706
Pelka, K. *see* von Zahn, U. 9–80255
Pell, J.L. *see* Marshall, J.T. 9–88824
Pellacani, C., Tebaldi, C., Tosi, E. Shear instabilities in the atmosphere in the presence of a jump in the Brunt-Vaisala frequency 9–53451
Pellacani, C., Tebaldi, C., Tosi, E. Instabilities induced by over-reflection in stratified fluids in horizontal sheared motion 9–60048
Pellat, R. About 'reconnection' in a collisionless plasma 9–77352
Pellat, R. *see* Mora, P. 9–73013
Pelle, J.-P. *see* Ladeveze, J. 9–90131
Pelleg, J., Rabinovitch, A. Calculations of homovalent impurity migration energies in FCC metals 9–95219
Pellegrin, J.L. A normalized detector of beam transverse oscillations 9–93854
Pellegrini, B. *see* Salardi, G. 9–73586
Pellegrini, C. The free electron laser and its possible developments 9–68019
Pellegrini, C. *see* Courant, E.D. 9–72091
Pellegrini, F. Separation energies between the $2s_{1/2}{}^{-1}$ and $1d_{3/2}{}^{-1}$ hole states in the odd potassium isotopes 9–67634
Pellegrini, F. *see* Roaf, D. 9–89238
Pellegrini, P.S.S. *see* Aldrovandi, S.M.V. 9–58243
Pellegrino, C.R., Stoff, J.A. Organic clues in carbonaceous meteorites 9–88632
Pellegrino, F., Kalpaxis, A., Alfano, R.R. Time-resolved picosecond laser spectroscopy 9–75615
Pellegrinotti, A. *see* Marchioro, C. 9–54065
Pellenbarg, R.E., Church, T.M. The estuarine surface microlayer and trace metal cycling in a salt marsh 9–57984
Pellerin, F., le Gressus, C. Characteristic energy losses on carbon contaminated layers correlated with secondary electron, Auger electron emission and contrasts in scanning microscope 9–99997
Pellerin, F. *see* Le Gressus, C. 9–83069
Pelletier, E. *see* Harris, M. 9–83047
Pelletier, E. *see* Vidal, B. 9–81582
Pelletier, J., Pomot, C. Work function of sintered lanthanum hexaboride 9–52070
Pelletier, J., Pomot, C. Negative surface ionization hysteresis phenomena 9–78848
Pelletier, J., Pomot, C., Cocagne, J. Negative surface ionization: Intense halogen-ion source 9–93850
Pelletier, J.M. *see* Merie, P. 9–91748
Pelletier, J.M. *see* Vigier, G. 9–77753
Pelletier, M.J. *see* Dorsey, C.C. 9–50072
Pellett, D.E. *see* Kass, R.D. 9–93472
Pellicer, J. *see* Garrido, J. 9–70330
Pellicer, J. *see* Yanes, C. 9–58689
Pellicori, S.F. Beam splitter and reflection reducing coatings on ZnSe for 3-14 μm 9–76811
Pellicori, S.F., Russell, E.E., Watts, L.A. Radiation induced transmission loss in optical materials 9–94306
Pellinen, D.G. *see* Di Capua, M.S. 9–85765
Pellinen, R. *see* Untiedt, J. 9–66888
Pelling, R.M. *see* Oda, M. 9–80220
Pellionisz, A. Synthesis of fragmented data on neuronal systems: a computer model of cerebellum 9–74645
Pelloux, R.M. *see* Jablonski, D.A. 9–57060
Pelloux, R.M. *see* Was, G.S. 9–79102
Pelosi, G. *see* Borchi, E. 9–61043, 9–95384
Pelosi, V. Survey of the phenomenological approach to the inverse problem in elementary particles scattering 9–49498
Pelous, G.P. *see* Favennec, P.N. 9–78184
Pelous, J., Vacher, R., Phalippou, J. Elastic properties of sodium phosphate glasses at hypersonic frequencies by Brillouin scattering 9–51972
Pelova, N.D. *see* Mishev, D.N. 9–58187
Pelster, W.D. *see* Untiedt, J. 9–66888
Pelt, P.Van *see* Van Pelt, P.
Pelte, D., Smilansky, U. Dynamical properties of heavy-ion reactions deduced from coupled-channels calculations 9–67772
Peltier, W.R. *see* Cary, P.W. 9–84304
Peltier, W.R. *see* Erickson, C.O. 9–88423
Pelton, A.D. *see* Lin, P.L. 9–100118
Peltre, M.-J., Guignard, J., Pezerat, H. An example of water bending vibration at particularly low frequencies 9–78670
Peltzer, P., Pucker, N. Front behavior of monoenergetic neutron pulses in P_N approximations 9–59107
Peltzer, P., Pucker, N. Specific features of time-dependent P_N approximations in spherical geometry 9–80967
Peluso, G. *see* di Chiara, A. 9–99660
Pelykh, D.P. *see* Demishev, A.G. 9–88960
Pelyukhova, E.V. *see* Zeiger, S.G. 9–64196
Pelz, H. *see* Bass, R. 9–76317
Pelzbauer, Z. *see* Zelinger, J. 9–57047
Pelzer, W. Stability measurements at the VICKSI-RF-systems 9–54687
Pelzl, G., Kolbe, P., Preukschas, U., Djele, S., Demus, D. Tilt angle determination of a smectic C phase by field-induced Freedericksz transition and X-ray investigations 9–94884
Pelzmann, R.F., Jr. Data processing in infrared astronomy 9–101087
Pemberton, R.C. *see* Hall, D.J. 9–99305
Pempinelli, F. *see* Boiti, M. 9–63051
Pen, E.F. *see* Dombrovskii, V.A. 9–76638
Pen, E.F. *see* Klimin, A.N. 9–94181
Pen-Shu Yeh, Chan, J.L.-H., Macovski, A. Applications of filtered bremsstrahlung spectra in radiographic studies. II. Measurements of iodine in tissue and separation of bone and water 9–74747
Pena, J.H., Warman, J. HR 1170 and HR 7331, two nonradial delta Scuti pulsators 9–88663
Pena, J.L. *see* Vazquez-Lopez, C. 9–100525
Pena, L.de la *see* de la Pena, L.
Pena Bernal, J.J., Vega, J.M., Calvo A, J.L., Rossell B, M.A. An analogue technique for learning terminal velocity 9–97163
Pence, W.D. *see* De Vaucouleurs, G. 9–58411, 9–92852
Penchev, I. *see* Gospodinov, P. 9–64752
Penchev, I.I., Georgieva, R.A. Some peculiarities in polarization fluorescence measurements of nematic liquid crystals 9–78723
Penco, E. *see* Marchetti, R. 9–50299, 9–76692
Pender, L.F., Wintle, H.J. Electrical 1/f noise in insulating polymers 9–51643
Pendergast, P., Morrell, G.O., Jr., Hayes, E.F. Extrapolation in configuration interaction calculations using perturbation theory natural orbitals: Applications to H_2O and $HeH_2{}^+$ 9–85907
Pendlebury, J.M., Smith, K., Unsworth, P., Greene, G.L., Mampe, W. Precision field averaging NMR magnetometer for low and high fields, using flowing water 9–67359
Pendrill, L.R. *see* Gay, J.C. 9–85943
Pendry, J.B. *see* Andersson, S. 9–86983
Pendry, J.B. *see* Petersson, L.-G. 9–65314
Pendrys, L.A. *see* Zeller, C. 9–99590
Pene, O. *see* Gavela, M.B. 9–49460
Penel, P. *see* Bardos, C. 9–94594
Penelle, R. The influence of textures on mechanical and physical properties of materials 9–83224
Penelle, R. *see* Dervin, P. 9–91773
Penelle, R. *see* Ferreira, O. 9–91672
Penelle, R. *see* Naka, S. 9–91677
Penelon, A., Dorlot, J.-M., Bassim, M.N. Application of the (Lanteigne) plastic zone correction in elastic-plastic fracture 9–70147
Penet, F. *see* Gourdon, J. 9–97864
Peneva, S.K. Diffraction-broadening studies of textured materials 9–73060
Penfold, R.A. Doppler shift add-on unit 9–64477
Peng, J. *see* Gibbons, J.F. 9–73182, 9–90555
Peng, J. *see* Regolini, J.L. 9–60391, 9–73185
Peng, J.C., Hanson, D.L., Moses, J.D., Schult, O.W.B., Stein, N., Sunier, J.W., Cindro, N. Structure in the ^{24}Mg(^{18}O, ^{14}C)^{28}Si ground-state excitation function 9–63694
Peng, M. *see* Loesch, A.Z. 9–88422
Peng, T.-H., Broecker, W.S., Mathieu, G.G., Li, Y.-H., Bainbridge, A.E. Radon evasion rates in the Atlantic and Pacific Oceans as determined during the Geosecs program 9–79875
Peng, W. *see* Celnik, J. 9–59225
Peng, Y.K. *see* Alexander, D.R. 9–54463
Peng, Y-K.M. *see* Houlberg, W.A. 9–49843
Peng, Y-K.M. *see* Roberst, M. 9–71959
Peng Hua-shou, Li Zhong-zhen, Tian De-yuan, Lo Kai-yuan, Yu Zhen, Zhang Jian, Hu Jia-Wei Gas gain of multi-wire proportional chambers 9–76301
Peng Hua-shou, Li Zhong-zhen, Tian De-yuan, Yu Chen, Lo Kai-yuan, Hu Jia-wei Corona discharge of multi-wire proportional chambers 9–93887
Peng Huang *see* Huang Peng
Peng Qiu-He, Huang Ke-Liang, Hunag Jie-Hao, Li Xiao-Qing, Su Hong-Jun On the distribution of matter within disk galaxies with finite thickness 9–80349
Peng shaqi High quality oxidation of silicon 9–52401
Peng Shou-Li *see* Zhao Shu-Song 9–92986
Peng Wan-Li, Zhou Rui-Qi Analysis of the stress field on the northern portion of the Hsiaokiang fault, Yunnan 9–62464
Peng-Cheng Yin *see* Yin Peng-Cheng
Pengcheng Yin *see* Yin Pengcheng
Pengelly, A.W. Urodynamic kits 9–96690
Pengelly, L.D., Tarshis, A.M., Rebuck, A.S. Contribution of rib cage and abdomen-diaphragm to tidal volume during CO_2 rebreathing 9–100650
Penhoat, Y.du *see* du Penhoat, Y.
Penicaud, J.P. *see* Aknin, J.P. 9–68001
Penin, A.N. *see* Aktsipetrov, O.A. 9–95734
Penin, N.A. *see* Kurbatov, V.A. 9–56300
Penionzhkevich, Yu.E. *see* Kalpakchieva, R. 9–93673
Penisson, J.M. *see* Chamberod, A. 9–56638
Penkalla, H.J., Gyarmati, E., Nickel, H. Pyrolysis and mass transfer of hydrocarbon during coating-process of fuel particles in a conical fluidized bed 9–59247
Penkett, S.A., Jones, B.M.R., Brice, K.A., Eggleton, A.E.J. The importance of atmospheric ozone and hydrogen peroxide in oxidising sulphur dioxide in cloud and rainwater 9–84351
Penkett, S.A., Jones, B.M.R., Eggleton, A.E.J. A study of SO_2 oxidation in stored rainwater samples 9–84352
Penkin, N.P. *see* Blagoev, K.B. 9–76386
Pen'kina, V.S. *see* Babykin, M.V. 9–68945
Pen'kova, A.A. *see* Chertousov, V.A. 9–87663
Penn, L., Milanovich, F. Raman spectroscopy of Kevlar 49 fibre 9–65871
Pennebaker, W.B. Influence of scattering and ionization on RF impedance of glow discharge sheaths 9–86630
Pennebaker, W.B. *see* Keller, J.H. 9–87578
Penner, P.S. Acoustic specification and design of Supreme Being Studios 9–64400
Penner, S., Galejs, A. Transport calculations for very high current beams 9–76226
Penner, S. *see* Maruyama, X.K. 9–63661
Penner, S.S. *see* Sulzmann, K.G.P. 9–64799
Penney, B.C., Narducci, L.M., Peura, R.A., Anderson, F.A., Jr., Wheeler, H.B. The impedance plethysmographic sampling field in the human calf 9–57740
Penney, T. *see* Mook, H.A. 9–60771

Penning, P. The solution of the Taylor-problem for slip on {111}<110> or {110}<111> 9—90663

Penning, P. *see* Fastenau, R.H.J. 9—65072

Penning, P. *see* Van Baal, C.M. 9—88891

Penning, U. *see* Meggl, F. 9—76725

Pennington, M.R. *see* Irving, A.C. 9—93458

Pennington, M.R. *see* Martin, A.D. 9—93449

Pennington, M.R. *see* Mazzucato, M. 9—89148

Pennington, W.D., Mooney, W.D., van Hissenhoven, R., Meyer, H., Ramirez, J.E., Meyer, R.P. Results of a reconnaissance microearthquake survey of Bucaramanga, Colombia 9—62448

Pennisi, A.R. *see* Faraci, G. 9—81140

Penny, A.J. Electronographic UBV photometry of close visual double stars 9—67056

Penrose, R. Global general relativity 9—93012

Penselin, S. *see* Dembczynski, J. 9—72260

Pensinger, W.L. *see* Paine, D.A. 9—62172

Penso, G. *see* Bacci, C. 9—93440

Penso, G. *see* Celio, R.B. 9—93425

Penson, K.A., Jullien, R., Pfeuty, P. Zero-temperature renormalization-group method for quantum systems. III. Ising model in a transverse field in two dimensions 9—82801

Penson, K.A. *see* Jullien, R. 9—71374

Pensotti, S. *see* Armstrong, T.A. 9—85344

Pensotti, S. *see* Evangelista, C. 9—75788, 9—80843

Penston, M. *see* Cassatella, A. 9—62837

Penston, M.V. *see* Wilson, A.S. 9—101190

Pentegova, L.I. *see* Priyezzhev, A.V. 9—57681

Pentegova, L.I. *see* Romanovskii, Yu.M. 9—57562

Pentegova, M.V., Tomashpol'skii, Yu.Ya. Single crystals films of lead germanate 9—100066

Pentermann, W., Wagner, W. New pressure-density-temperature measurements and new rational equations for the saturated liquid and vapour densities of oxygen 9—55802

Pentsak, G.M. *see* Boiko, V.V. 9—51995

Penttinen, A. *see* Luukkala, M. 9—64456

Pentyush, E.V., Puritis, T.Ya., Dekena, E.K. The dynamics of pre-mesoplasma state expansion 9—56723

Penven, Y.le *see* le Penven, Y.

Penwell, R.C., Liang, K.S., Chow, T.S. The effect of interfacial bonding on the adhesion of brittle film-polymer multilayered structures 9—95274

Penzias, A.A. The origin of the elements 9—97118

Penzkofer, A., Laubereau, A., Kaiser, W. High intensity Raman interactions 9—76759

Penzkofer, A. *see* Wiedmann, J. 9—86220

Penzo, A. *see* Fidecaro, G. 9—85343

Peon, J. *see* Nunez-Duran, H. 9—54233

Peoples, J. *see* Atiya, M.S. 9—80831

Pepin, G.P. *see* Hoftiezer, J.H. 9—85509

Pepin, H. *see* Mitchel, G.R. 9—89016

Pepin, R. *see* Tremblay, R.J. 9—68171

Pepine, C.J. *see* DeLoskey, A.F. 9—53178

Pepmiller, P. *see* Tawara, H. 9—83060

Pepper, D.W., Kern, C.D., Long, P.E., Jr. Modeling the dispersion of atmospheric pollution using cubic splines and chapeau functions 9—83662

Pepper, M. The Hall effect in impurity bands and inversion layers 9—51609

Pepper, M. Metal-insulator transitions induced by a magnetic field 9—65383

Pepper, M. Conductance oscillations in a two-dimensional impurity band 9—95477

Pepper, M. Two dimensional impurity bands in Si and GaAs [inversion layers] 9—95509

Pepper, M.G., Collier, R.J., Taylor, D.J.E., Scurr, J. Manual ECG electrode 9—57801

Pepperhoff, W. *see* Bendick, W. 9—56559

Pepy, G. Effect of interchain force on acoustic phonon branches in deuterated uniaxial polyethylene 9—51228

Per Ask, Ake Oberg, P. Pressure integrating transducer for oesophageal manometry 9—88208

Perahia, D. *see* Goldblum, A. 9—63931

Perahia, D. *see* Pullman, B. 9—92127

Peraiah, A. Line formation in spherical media with partial frequency redistribution. II. Expanding media with redistribution function R_I 9—88643

Peraldi, A. An advanced image plane scanner for Earth observation from space 9—97436

Peralta, J.O. Radial-velocity dispersion as a function of galactic longitude and distance 9—101142

Peras, A.Ya. Effect of temperature and type of loading on strength variation in a refractory material 9—57080

Peras, A.Ya. *see* Uzberg, L.V. 9—82594

P'eratstsini, G.M. *see* Apel', V.D. 9—67609

Peray, J.F. *see* Morhange, J.F. 9—73189

Peraz, J.F. *see* Driessler, W. 9—56556

Percacci, R. Einstein-Maxwell instantons charge quantization 9—80489

Percacci, R. *see* Gava, E. 9—54020

Perchard, J.P. *see* Maillard, D. 9—89667, 9—93996

Percival, I.C., Richards, D. Classical theory of transitions between degenerate states of excited hydrogen atoms in plasmas 9—72389

Percival, J. *see* Hocking, W.H. 9—71090

Percival, P.W. Participation of the OH radical in the terminal muon spur 9—57271

Percival, P.W., Hochmann, J. Formation of muonic radicals 9—57277

Percy, J.R. The photometric constancy of Maia (=20 Tauri) and related stars 9—58338

Percy, J.R. HR 8752 9—101161

Percy, J.R., Baskerville, I., Trevorrow, D.W. A search for light variations in F- and G-type supergiants 9—88657

Percy, J.R. *see* Lane, M.C. 9—75214

Percy, J.R. *see* Wizinowich, P. 9—62850

Perdang, J. *see* Buchler, J.R. 9—96990

Perdew, J.P. Orbital functional for exchange and correlation: self-interaction correction to the local density approximation 9—76347

Perdew, J.P., Sahni, V. Accurate and easy method for work function calculations 9—65536

Perdew, J.P. *see* Langreth, D.C. 9—90983

Perdew, J.P. *see* Oliver, G.L. 9—93917

Perdrisat, C.F. *see* Bayukov, Y.D. 9—85475, 9—93623

Perdzynska, A. *see* Wojewodzki, W. 9—64533

Perednis, E.E. *see* Zhukauskas, A.A. 9—81973

Peregrine, D.H., Smith, R. Nonlinear effects upon waves near caustics 9—92957

Peregrine, D.H., Thomas, G.P. Finite-amplitude deep-water waves on currents 9—92958

Peregudov, L.V. *see* Spirtus, G.A. 9—96049

Pereira, C.J., Carberry, J.J., Varma, A. Uniqueness criteria for first order catalytic reactions with external transport limitations 9—79281

Pereira, M. *see* Goodman, N.B. 9—62069

Pereira, N.R., Chu, F.Y.F. Damped double solitons in the nonlinear Schrodinger equation 9—64853

Pereira, N.R. *see* Kaufman, A.N. 9—60131

Perekalina, Z.B. *see* Grechushnikov, B.N. 9—56761

Perekalina, Z.B. *see* Kaldybaev, K.A. 9—61328

Perekal'skii, V.M. Stability of flows of the Hamel type in channels with permeable walls 9—68679

Perekatova, E.K. *see* Kut'enkov, V.A. 9—66201

Perel, V.I. *see* Abakumov, V.N. 9—82602

Perelman, A.Y. Scattering in spherically symmetric media 9—81329

Perelman, A.Ya., Shifrin, K.S. Determination of the orientation of ellipsoidal particles by the method of spectral transparency 9—98287

Perelman, N.F. *see* Averbukh, I.Sh. 9—50272

Perel'man, R.G. *see* Denisov, Y.D. 9—91768

Perel'man, V.E. *see* Kiparisov, S.S. 9—66021

Perelomov, A.M. Description of generalized coherent states closest to classical states 9—67189

Perelomov, A.M. Exact results for one-dimensional many-body systems 9—80460

Perelomov, A.M. *see* Mikhailov, A.V. 9—58901

Perel'shtein, E.A. *see* Aleksakhin, Yu.I. 9—64166

Perelygina, E.A. *see* Malinenko, I.A. 9—95048

Perena, J.M., Fatou, J.G., Tinas, J. Dynamic behaviour measurements of poly(decamethylene-oxide) 9—61636

Perene, N.S., Raganskaite, R.A., Yuryavichene, M.I. Electrodeposition of Ni under conditions of mechanical activation of cathode surface. I. Microstructure of coatings 9—91586

Perepelitsa, A.P. *see* Belyi, M.U. 9—56848

Perepelkin, K.E., Chereiskii, Z.Yu. Ultimate mechanical properties of new types of highly oriented polymeric materials 9—91751

Perepelkin, N.F. *see* Sukhomlin, E.A. 9—55603

Perera, I.K. *see* Dyer, P.E. 9—89883

Perera, M.G.N., Strauss, K. Direct numerical solutions of the equations for viscoelastic fluid flow 9—60021

Perera, R.C.C., Henke, B.L. Low energy X-ray emission spectra and molecular orbital analysis of CH_4, CCl_4, and $CHCl_3$ 9—85975

Peres, A. Synchronization of clocks in a rotating frame 9—49034

Peres, A. A classical constant of motion with discontinuities 9—92932

Peresada, V.I., Feodos'ev, S.B. Stability of a singly connected molten zone in weightless zone recrystallization 9—78874

Peresh, E.Yu. *see* Suslikov, L.M. 9—73951

Pereslegina, N.P. *see* Vernov, S.N. 9—80126

Peresse, J. *see* Tuffin, F. 9—81266

Peretti, P. *see* Laporte, J.L. 9—61427

Peretto, P. *see* Teisseron, G. 9—99797

Peretyat'ko, V.N., Cul'nyashkin, V.N., Demina, G.S. The dynamic strengths of welded joints in which there are partial penetration and slag inclusions 9—83288

Peretz, P. *see* Rosenthal, I. 9—91977

Pereverzev, Yu.V. *see* Anders, A.G. 9—61234, 9—87321

Perevezentsev, A.N. *see* Andreev, B.M. 9—71979

Perevezentsev, V.N. *see* Kurov, I.E. 9—60430

Perevezentsev, V.V. *see* Burdanov, N.G. 9—94712

Perevozchikov, V.G. *see* Leont'ev, V.A. 9—96260

Perevozchikov, V.I., Gribov, L.A. The use of approximation of the potential curve of the Morse function in light calculations of force constants of two-atom molecules 9—49968

Perevozchikov, V.I., Gribov, L.A. Calculation of quadratic-quartic force constants of diatomic molecules by an ab initio method with differentiated estimation of the integrals 9—63979

Perevozchikov, V.M. *see* Barinov, N.U. 9—54356

Perevozchikova, A.I. The search for periodic components in the light variations of QSS 3C 351 9—53931

Perevozchikova, A.I. *see* Gagen-Torn, V.A. 9—101205

Perevoztchikov, V.M. *see* Givernaud, A. 9—75801

Pereyaslova, P.K., Nazarova, M.N., Petrenko, I.E., Avdyushin, S.I., Kulagin, Yu.M. Asymmetry of cosmic rays in high-latitude zones of the Earth's magnetosphere in the period 1969-1977 9—84600

Perez, C.A., Breaux, S., Madoc-Jones, H., Camel, H.M., Purdy, J., Sharma, S., Powers, W.E. Correlation between radiation dose and tumor recurrence and complications in carcinoma of the uterine cervix: stages I and IIA 9—100745

Perez, J., Mai, C., Tatibouet, J., Vassoille, R. Study of grain boundaries in ice I_h by internal friction measurements 9—55754

Perez, J. *see* Etienne, S. 9—51201

Perez, J.D., McDonald, R.E., McNab, T.K. Diffusion of dilute boron in single-crystal aluminum 9—60541

Perez, J.L. *see* Monfort, J.P. 9—51259

Perez, J.M. *see* Garcia, J.L. 9—98926

Perez, M.F. High temperature alternating strain in stainless steel. Saturation state phenomenology 9—70111

Perez, M.F. *see* Galarza, J.J.U. 9—69106

Perez, M.I. *see* Westmacott, K.H. 9—78978

Perez, P. *see* Chilingarov, A. 9—54365, 9—54368

Perez, R.B., de Saussure, G., Macklin, R.L., Halperin, J. Statistical tests for the detection of intermediate structure: application to the structure of the ^{238}U neutron capture cross section between 5 keV and 0.1 MeV 9—93590

Perez, S. *see* Poulin-Dandurand, S. 9—94924

Perez Villar, V. *see* Gallego, L.J. 9—88897

Perez-de-Tejada, H. On the viscous flow behavior of the shocked solar wind at the Venusian ionopause 9—75068

Perez-Griffo, M.L., Block, R.C., Lahey, R.T., Jr. ^{16}N tagging for two-phase mass flow measurements 9—93793

Perez-Mato, J.M., Iglesias, J.E. A study of the diffraction enhancement of symmetry based on the Patterson function 9—73068

Perez-Mendez, V., Ortendahl, D., Baker, J., Wiedenbeck, P., Sommer, G. Tomographic visualization of breast calcifications by ultrasound scattering 9—66497

Perez-Mendez, V. *see* Kwok-Cheong Tam 9—66535

Perfetti, P. *see* Abbati, I. 9—91563

Perfetti, P. *see* Denley, D. 9—69903

Perfetti, P. *see* Mills, K.A. 9—83105

Perfil'ev, S.V. *see* Rozanova, A.M. 9—100292

Perfilov, N.A. *see* Bychenkov, V.S. 9—80964

Perfilova, T.G. *see* Morozov, P.A. 9—80614

Perga, V.M. *see* Kalitenko, V.A. 9—73556

Periasamy, N., Linschitz, H. Cage escape and spin rephasing of triplet ion-radical pairs: temperature-viscosity and magnetic field effects in photoreduction of fluorenone by DABCO 9—79268

Periaux, J. *see* Bristeau, M.O. 9—49054

Perico, A. *see* Cuniberti, C. 9—99344

Perigaud, A. *see* Sapriel, J. 9—60504

Perillo, E. *see* de Rosa, A. 9—63652

Perillo, E. *see* Sandoli, M. 9—68174

Perillo, P. *see* Giorgianni, U. 9—73972

Perimov, Yu.A. *see* Uglov, F.G. 9—57811

Perin, R. *see* Billan, J. 9—72049

Perina, J. *see* Perinova, V. 9—89872, 9—89873

Perina, J. *see* Szlachetka, P. 9—95747

Perina, V. *see* Krasa, J. 9—55497, 9—86573

Perini, L. *see* Armstrong, T.A. 9—85344

Perini, L. *see* Evangelista, C. 9—75788, 9—80843

Perini, R.Paoletti *see* Paoletti Perini, R.

Perino, S.C. *see* Stefan, P.M. 9—77907

Perinotto, M. *see* Felli, M. 9—75262

Perinova, V., Perina, J., Szlachetka, P., Kielich, S. Quantum statistical properties of photon and phonon fields in non-degenerate hyper-Raman scattering 9—89872

Perinova, V., Perina, J., Szlachetka, P., Kielich, S. Quantum statistical properties of phonon and phonon fields in degenerate hyper-Raman scattering 9—89873

Perinova, V. *see* Szlachetka, P. 9—95747

Perio, F. *see* Wu, P. 9—90100

Perison, B.D. *see* Halliburton, L.E. 9—73810

Perito, A. *see* Marchetti, R. 9—76692

Perito, U. *see* Marchetti, R. 9—50299

Perk, J.H.H., Capel, H.W. Time-dependent correlation functions in the high-temperature limit for the XY-chain and the Ising-chain in a transverse magnetic field 9—73727

Perk, J.H.H., Capel, H.W., den Ouden, L.W.J. Convex-envelope formulation for separable interactions 9—71355

Perkal, Z. *see* Steslicka, M. 9—73562

Perkalina, T.M. *see* Smirnovskaya, E.M. 9—73709

Perkas, M.D. *see* L'vov, Yu.B. 9—79104

Perkas, M.D. *see* Zaitseva, R.D. 9—70177

Perkash, I. *see* Ghista, D.N. 9—92265

Perkash, I. *see* Shimizu, M. 9—92370

Perkel, D.H., Feldman, M.W. Neurotransmitter release statistics: moment estimates for inhomogeneous Bernoulli trials 9—62228
Perkins, D. *see* Berg, O.E. 9—58259
Perkins, D., III *see* Westrum, E.F., Jr. 9—60517
Perkins, D.H. *see* Blietschau, J. 9—93396
Perkins, D.M. *see* Brabb, E.E. 9—88273
Perkins, F.W. *see* Karney, C.F.F. 9—73006
Perkins, J., Graham, K.J., Storm, G.A., Leumer, G., Schack, R.P. Flow effects on corrosion of galvanic couples in sea water 9—96238
Perkins, J.B. *see* Brabb, E.E. 9—88273
Perkins, K.R., Bari, R.A. Interassembly flow redistribution at natural-circulation conditions in the fast flux test facility 9—85654
Perkins, K.R., Chen, L., Bari, R.A. Thermal-hydraulic analysis of the air dump heat exchangers in the fast flux test facility 9—59146
Perkins, P.G. *see* Armstrong, D.R. 9—90957, 9—95330
Perkins, P.G. *see* Morris, J.H. 9—66030
Perkins, R.A. *see* Bates, J.B. 9—73341
Perkins, R.A. *see* Cathcart, J.V. 9—86927
Perkins, R.A. *see* Lewis, M.B. 9—52683, 9—100389
Perkins, R.C. *see* Beth, A.H. 9—98124
Perkins, R.S. *see* Menth, A. 9—65696
Perkins, R.W. *see* Robertson, D.E. 9—93841
Perkov, S.V. *see* Ornatskiy, A.P. 9—81971
Perkowitz, S., Henry, R.L., Tanner, D.B. Comparison of Fourier and laser spectroscopy in the far-infrared-submillimeter range [V_3Si superconductor film measurements] 9—93237
Perkowitz, S. *see* McKnight, S.W. 9—61453, 9—87445
Perks, A.J. *see* Burrows, B.L. 9—88822
Perl, M.L. *see* Abrams, G.S. 9—89149, 9—89174
Perl, M.L. *see* Martin, J.F. 9—89167
Perl, M.L. *see* Rapidis, P.A. 9—75780
Perl, R. *see* Berezdivin, R. 9—59870
Perlado Martin, J.M. Using mixed oxides of plutonium and natural uranium in light water reactors 9—63786
Perlin, Yu.E., Kaminskii, A.A., Enakii, V.N., Vylegzhanin, D.N. Nonradiative multiphonon relaxation in $Y_3Al_5O_{12}:Nd^{3+}$ 9—56853
Perlin, Yu.E. *see* Klokishner, S.I. 9—69435
Perlman, I. *see* Normann, R.A. 9—79543
Perlman, M.L. *see* Sham, T.K. 9—60695
Perlman, M.M., Kao, K.J., Bamji, S.S. Silicone resin electrets 9—87378
Perlman, M.M. *see* Kao, K.J. 9—55778
Perlmutter, P., Shtrikman, S., Slatkine, M. Optoacoustic detection of ethylene in the presence of interfering gases 9—87886
Perlov, D.I. *see* Gratsianov, K.V. 9—72609
Perlstein, J.H. *see* Isett, L.C. 9—56207
Perminov, A.N., Batalov, V.S., Batmanov, V.S., Grigor'ev, Yu.S. Rapid method of dilatometric determination of volumetric specific heat of materials 9—86327
Perminova, V.M. *see* Bachurina, L.G. 9—52812
Permitin, G.V. *see* Miller, M.A. 9—94152
Permitin, V.E. *see* Golovanov, A.L. 9—52192
Permogorov, S., Travnikov, V. Temporal evolution of exciton resonant secondary emission spectrum 9—51499
Permogorov, S.A. *see* Klochikhin, A.A. 9—99886
Permyakov, E.A. *see* Burshtein, E.A. 9—64130
Permyakov, V.A. *see* Bagdasaryan, O.V. 9—81338
Permyakov, V.G. *see* Loskutov, V.F. 9—52462
Permyakov, V.M. *see* Afanas'ev, G.N. 9—76014
Perne, R., Kroger, H. Tjon line in few-body systems 9—89227
Perne, R., Sandhas, W. Solution of four-nucleon integral equations using the effective UPA 9—71794
Perner, B. *see* Kvapil, J. 9—65998
Pernestal, K. *see* Borghini, M. 9—91331
Pernestal, K. *see* Hartmann, O. 9—56659
Pernestal, K. *see* Niinikoski, T.O. 9—56684
Perng, C.C. *see* Jan, G.J. 9—80937
Pernick, B.J. Surface roughness measurements with an optical Fourier spectrum analyzer 9—49195
Pernick, B.J. *see* Jost, S. 9—76810
Pernicka, M. *see* Apel, W.D. 9—58978
Pernicka, M. *see* Fidecaro, G. 9—85343
Pernigoni, M.C. *see* Armenise, N. 9—67533
Pernika, M. *see* Apel', V.D. 9—67609
Pernot, F., Zarzycki, J., Bonnel, F., Rabischong, P., Baldet, P. New glass-ceramic materials for prosthetic applications 9—74128
Pernot, M. *see* Dervin, P. 9—91773
Pernot, M. *see* Ferreira, O. 9—91672
Perol, Y. *see* Vincent, L. 9—66056
Perola, C.G. *see* Maraschi, L. 9—62865
Perona, G.E., Pisani, R.U. An acoustic FM-CW radar for atmospheric sounding 9—74972
Perona, G.E. *see* Einaudi, F. 9—92575
Perone, S.P. *see* Miaw, L.-H.L. 9—74434
Peroni, P., Guzzi, G. Comparison between experimental and theoretical data for Am and Cm build-up in the Trino Vercellese PWR 9—85754
Perotin, M. *see* Manifacier, J.-C. 9—65945
Perov, A.A. *see* Manvelyan, R.V. 9—59601
Perovic, B. *see* Terzic, I. 9—87554
Perovic, V., Purdy, G.R., Brown, L.M. On the stability of arrays of precipitates 9—60509
Perram, J.W., Reimann, B., Klenk, H.-D., Nicolau, C., Polansky, O.E. Early molecular events during the interaction of enveloped riboviruses with cells. II. A kinetic study 9—100562
Perram, J.W. *see* De Leeuw, S.W. 9—71376
Perram, J.W. *see* Morriss, G.P. 9—90508
Perraut, S. *see* Robert, P. 9—70924
Perrenod, S.C. *see* Gingold, R.A. 9—53915
Perrenoud, A. *see* Alder, J.-C. 9—85381
Perrenoud, A. *see* Gabioud, B. 9—67600
Perrenoud, A. *see* Strassner, G. 9—89280
Perret, R. *see* Peyrard, M. 9—65870
Perret-Gallix, D. *see* Crabb, D.G. 9—63528
Perrier, A. *see* Itier, B. 9—84404
Perrier, P., Pironneau, O. Coupling large and small turbulent structures by homogenization 9—84407
Perrier, P. *see* Bristeau, M.O. 9—49054
Perrier, P. *see* Nicholas, R.J. 9—65370, 9—91154
Perrier de la Bathie, R. *see* Gignoux, D. 9—61096
Perrigot, J., Cogniat, F., Eyraud, L. Calculation of the $BaTiO_3$ properties from a digital model of the ferroelectrical materials 9—69793
Perrin, B., Descouts, P., Dupanloup, A. Electronic structure of intermetallic compounds with CsCl structure: NMR relaxation times 9—51871
Perrin, B. *see* Elleaume, P. 9—55964
Perrin, B. *see* Wolf, P.E. 9—98683
Perrin, C. *see* Corfu, R. 9—85538
Perrin, C. *see* Lunke, C. 9—85537
Perrin, C. *see* Piffaretti, J. 9—85511
Perrin, C. *see* Preedom, B.M. 9—97677
Perrin, G., Delannoy, M. Theory of temperature dependence of elastic moduli in noncubic materials 9—65135
Perrin, G. *see* Buenerd, M. 9—71828
Perrin, J.C., Thomas, A. Electronic processing of moire fringes: application to moire topography and elements of comparison with photogrammetry 9—86146
Perrin, J.S. *see* Pasupathi, V. 9—67899
Perrin, M. *see* Bertholon, G. 9—73474
Perrin, M.Y. *see* Cuvellier, J. 9—86035
Perrin, N. *see* Tricoire, H. 9—54448
Perrin, R. Twin paradox: a complete treatment from the point of view of each twin 9—58463
Perrin, R. *see* Bertholon, G. 9—73474
Perrins, W.T., McPhedran, R.C., McKenzie, D.R. Optical properties of dense regular cermets with relevance to selective solar absorbers 9—79408
Perriollat, F. *see* Baribaud, G. 9—72209
Perro, I.T. *see* Fritsberg, V.Ya. 9—69788
Perron, J.C. *see* Rialland, J.F. 9—86831
Perrone, A. *see* Luches, A. 9—76569
Perrone, A.J. *see* Bannister, R.W. 9—72744
Perrone, N. *see* Pavlin, V. 9—55330
Perrone, R.E. *see* Johnston, R.P. 9—53287
Perrot, F. Gradient correction to the statistical electronic free energy at nonzero temperatures: Application to equation-of-state calculations 9—99495
Perrot, J.P. *see* Chevaleyre, J. 9—98118
Perrot, P. *see* Boivin, J.-C. 9—86755
Perrot, P. *see* Derriche, Z. 9—82358
Perrot, P. *see* Trinel-Dufour, M.-C. 9—100124
Perroud, J.P. *see* Strassner, G. 9—89280
Perroud, J.-P. *see* Alder, J.-C. 9—85381
Perroud, J.-P. *see* Gabioud, B. 9—67600
Perroud, M. *see* Daumens, M. 9—75406, 9—93319
Perroud, P. *see* Guinet, P. 9—74547
Perry, A.E., Smits, A.J., Chong, M.S. The effects of certain low frequency phenomena on the calibration of hot wires 9—50825
Perry, A.E. *see* Smits, A.J. 9—64268
Perry, A.J. Chromium carbide coating on steel by chemical vapour deposition 9—83393
Perry, A.M. Radiotherapy planning of inclined lesions 9—74743
Perry, B. *see* Yaakobi, B. 9—54598
Perry, B.E. *see* Eckstrom, D.J. 9—86163
Perry, B.N., Silbert, M. Approximate solution of the Percus-Yevick equation for a binary mixture of hard spheres with non-additive diameters 9—77471
Perry, C.H., Kinser, D.L., Wilson, L.K., Vaughn, J.G. Magnetic exchange between Ti^{3+} ions in titanium phosphate glass 9—73691
Perry, C.H. *see* Sokoloff, J.B. 9—78350
Perry, C.L. *see* Canterna, R. 9—84831
Perry, D.G. The LAMPF standard data-acquisition system 9—89534
Perry, D.G. The Q system: an experiment in software standardization for data acquisition 9—89549
Perry, D.G. QAL: a language for nuclear physics data acquisition 9—89552
Perry, D.G., Giesler, G.C. Philosophy of a computer-automated counting system 9—88923
Perry, D.G., Sparks, D.C. Data analysis at LAMPF: a hierarchical approach 9—89562
Perry, D.G. *see* Nartker, T.A. 9—89551
Perry, D.J. *see* Holt, J.G. 9—81121
Perry, D.L. *see* Jones, R.G. 9—60634
Perry, E. Clinch River Breeder Reactor Plant arrangement engineering considerations 9—97764
Perry, F.C., Mix, L.P., Toepfer, A.J. Shock focusing in implosions of inertial fusion model targets 9—49832
Perry, H. *see* Mantel, J. 9—62369
Perry, J.J. *see* Ellis, G.F.R. 9—53946
Perry, J.W., Zewail, A.H. High-energy vibrational overtones of polyatomic molecules in solids: inequivalent local C-H modes and subpicosecond dephasing of naphthalene at 1.3K 9—86850
Perry, L.M. *see* Kurtz, R.L. 9—76641
Perry, M.J. TP inversion in quantum gravity 9—58613
Perry, N. *see* Littleton, J.T. 9—92393
Perry, P. *see* Shafer, M.W. 9—91633
Perry, P.B., Blakeslee, A.E. Photoluminescence in polycrystalline GaAs at 5K 9—99929
Perry, R. *see* Leinster, P. 9—70481
Perry, R.A. *see* Pitts, J.N., Jr. 9—61860
Perry, R.B. *see* Brumbach, S.B. 9—93719
Perry, S.G., Norman, J.M., Panofsky, H.A., Martsolf, J.D. Horizontal coherence decay near large mesoscale variations in topography 9—58025
Perryman, J.L., White, J.R. Fuel cladding temperature predictions for LOFT LOCE LI-5 9—89446
Perryman, M.A.C. Optical identifications of radio sources in the 5C 7 survey 9—67111
Perryman, M.A.C. *see* Ferland, G.J. 9—67101
Persat, J.C. *see* Benabid, A.L. 9—57804
Perschy, J.A. The SEASAT-A satellite radar altimeter spaceborne microcomputer 9—75073
Persechini, D.L. *see* Tangonan, G.L. 9—50429
Pershan, P.S. Amphiphilic molecules and liquid crystals 9—99062
Pershan, P.S. *see* Asher, S.A. 9—92167
Pershin, N.P. *see* Verkin, B.I. 9—58732
Pershin, S.V. *see* Anan'in, A.V. 9—86838
Pershin, V.K., Pershin, Vl.K. Conditions of the existence of a molecular crystal as a mesogenous system 9—60488
Pershin, Vl.K. *see* Pershin, V.K. 9—60488
Pershing, M.W. *see* Bambakidis, G. 9—78961
Persi, P. *see* Ferrari-Toniolo, M. 9—53829
Persi, P. *see* Maceroni, C. 9—80337
Persiantsev, N.M. *see* Krasil'nikova, N.A. 9—69936
Persiantseva, N.M., Krasilnikova, N.A., Neudatchin, V.G. Investigation of the collective properties of a degenerate electron gas in aluminium by the (e, 2e) technique 9—56149
Persico, F. *see* Carbonaro, P. 9—61203
Persico, M. *see* Cimiraglia, R. 9—59424
Persides, S. A definition of asymptotically Minkowskian space-times 9—97263
Persin, A. *see* Persin, M. 9—76867
Persin, M., Zorc, H., Persin, A. The influence of reactor neutron bombardment on the properties of Fabry-Perot interference filters 9—76867
Persky, A. Quasiclassical trajectory studies of the chlorine-hydrogen system. III. Branching ratio, energy partitioning, and angular distribution in the reaction of Cl atoms with HD 9—70312
Person, L.Wu *see* Wu Person, L.
Person, R.S., Kozhina, G.V. Study of orthodromic and antidromic effects of nerve stimulation on single motoneurones of human hand muscles 9—79511
Personov, R.I. Methods of detecting the line structure in the broad absorption bands of solutions of organic compounds 9—54841
Personov, R.I. *see* Kharlamov, B.M. 9—93999
Persson, A.V. Clinical application of electrical impedance for the study of arterial insufficiency 9—83878
Persson, B. Comment on 'Weak shock solution for underwater explosion shock waves' [J. Acoust Soc. Am. 62, 1412-1419 (1977)] 9—90068
Persson, B.N.J. Absorption of photons by molecules adsorbed on metal surfaces 9—65877
Persson, K. Structure of disilver chloride nitrate 9—69073
Persson, S.E., Frogel, J.A., Aaronson, M. Photometric studies of composite stellar systems. III. UBVR and JHK observations of E and S0 galaxies 9—58412
Persson, W. *see* Hansen, J.E. 9—72274, 9—93944
Persy, K. *see* Sobczak, E. 9—100018
Pert, C.B. *see* Candy, J.M. 9—79486
Pert, G.J. Model calculations of XUV gain in rapidly expanding cylindrical plasmas. II 9—72995
Pert, G.J. Inverse bremsstrahlung absorption in strong radiation fields during binary collisions: 'straight-line path' approximation 9—89788
Perthel, R. *see* Morl, K. 9—91517
Pertmer, G.A., Loyalka, S.K. Gravitational collision efficiency of LMFBR aerosols with size-dependent density 9—93789
Pertosa, P. *see* Chermette, H. 9—93923
Pertosa, P. *see* Michel-Calendini, F.M. 9—72244
Pertsch, P. *see* Dettmann, F. 9—56398
Pertsov, N.V. *see* Matvienko, V.N. 9—55813
Pertsov, N.V. *see* Shchukin, E.D. 9—56992
Perttila, M. Vibrational spectra and normal coordinate analysis of 2,2,2-trichloroethanol and 2,2,2-trifluoroethanol 9—72319
Perugini, F. *see* Grueff, G. 9—58272
Perumal, P.Bagavathi *see* Bagavathi Perumal, P.

Perunov, B.V. Choice of dimensions of the working zone of a test-piece for assessing its resistance to delayed fracture 9—52478

Perutz, M.F. Electrostatic effects in proteins 9—53027

Perutz, M.F. Hemoglobin structure and respiratory transport 9—57576

Peruzzi, I. *see* Piccolo, M. 9—93439

Peruzzi, I. *see* Rapidis, P.A. 9—75780

Peruzzo, L. *see* Barone, L.M. 9—80835

Pervadchuk, V.P., Yankov, V.I. Numerical modeling of relationships governing flow and heat transfer in polymer extrusion 9—77188

Pervak, Yu.A. *see* Belyi, M.U. 9—87467

Pervakov, V.A. *see* Iliev, L.B. 9—51276, 9—51281

Pervakov, V.A. *see* Zlobintsev, G.M. 9—82574, 9—91019

Pervov, L.S. *see* Asoskov, V.S. 9—60102, 9—86554

Pervushin, G.E. *see* Bronskaya, L.P. 9—77300

Pervushin, V.N., Ebert, D. Spectrum of diquarks in two-dimensional chromodynamics 9—71719

Pervushin, V.N., Rainkhardt, Kh., Ebert, D. Path-integral in collective fields and its application to nuclear and hadron physics 9—93277

Pervushin, V.N. *see* Bel'kov, A.A. 9—93459

Pervushin, V.N. *see* Isayev, G.V. 9—85048

Perz, J.M., Des Rues, K.P., Lee, M.J.G., Mak, D.-K. Angular shear deformation of the Fermi surface of molybdenum 9—77985

Perz, J.M., Templeton, I.M. The effect of hydrostatic pressure on the Fermi surface of white tin 9—73422

Perzyna, P., Woloszynska, K. Application of methods of characteristics and perturbation in solving the wave problems of viscoplasticity 9—68614

Perzynski, R. *see* Lambert, B. 9—55958, 9—95241

Pescara, L. *see* Esposito, B. 9—63489

Pescatore, C., Spiga, G. Functional analysis of integral transport equations in linear rarefied gas dynamics 9—50756

Pescatore, C. *see* Boffi, V.C. 9—97325

Pescatore, C. *see* Dorning, J. 9—97326, 9—97327

Pesch, P. The emission measuring network Baden-Wurtemberg 9—52977

Peschanskaya, N.N., Bershtein, V.A., Stepanov, V.A. Relationship between the activation energy of creep of glassy polymers and the cohesive energy 9—69188

Peschanskaya, N.N. *see* Bershtein, V.A. 9—86723

Peschanski, R. *see* Cohen-Tannoudji, G. 9—93361

Peschanskii, V.G. *see* Kolesnichenko, Yu.A. 9—99533

Peschardt, E. *see* Borer, J. 9—72151

Peschardt, E. *see* Kemp, D. 9—72076

Peschardt, E. *see* Myers, S. 9—76231

Peschel, I. *see* Bishop, A.R. 9—49170

Peschka, W. *see* Carpetis, C. 9—74548

Peschl, H. The quartz crystal. Structure, mode of operation and characteristics. I 9—61306

Pescia, J. *see* Bourdel, D. 9—61208

Pesek, I. Physical librations of the Moon: on resonances in the analytical solution for libration in longitude 9—84648

Peselnick, L. *see* Hsi-Ping Liu 9—100826

Peshekhonov, V.D. *see* Zanevskii, Yu.V. 9—67449

Peshev, O. Pulsed inversion of molecules on a size-quantizing film 9—90889

Peshev, P. *see* Bliznakov, G. 9—66203

Peshev, V.V. *see* Gradoboev, A.V. 9—60945

Peshikov, E.V. Amplitude dependences of the permittivity and losses in KDP crystals 9—99842

Peshkin, A.F., Slavnova, T.D., Chibisov, A.K. Excited-state deactivation in associated pigment molecules 9—54895

Peshkov, V.P., Vetchinkin, A.N. Capacitive level meter 9—88907

Peshkovskii, C.L. *see* Fridman, M.L. 9—94573

Pesic, D.S. *see* Antic-Jovanovic, A. 9—59485

Pesicka, J. *see* Kratochvil, P. 9—61603

Peskin, M.E. Short-distance analysis for heavy-quark systems. II. Diagrammatics 9—89103

Peskin, M.E. *see* Bhanot, G. 9—93345

Peskin, V.F. *see* Leichenko, A.I. 9—73886, 9—99841

Peskoff, A. Electric potential in three-dimensional electrically syncytial tissues 9—74609

Peskoff, A. Electric potential in cylindrical syncytia and muscle fibers 9—74610

Peskov, V.D. *see* Bogomolov, G.D. 9—67384, 9—68141, 9—89014

Peskovatskii, S.A. *see* Eru, I.I. 9—87204

Peskovatskii, S.A. *see* Korolev, V.D. 9—78519

Peskovatsky, S.A. *see* Kirichenko, I.K. 9—91194

Pesotskii, S.I. *see* Merzhanov, V.A. 9—99537

Pessa, M. *see* Dahlback, N. 9—95902

Pessa, M. *see* Putila, P. 9—85934

Pessall, N., Airey, G.P., Lingenfelter, B.P. The influence of thermal treatment on the SCC behavior of Inconel alloy 600 at controlled potentials in 10% caustic soda solutions at 315°C 9—91841

Pesses, M.E. *see* D'Angelo, N.D. 9—53691

Pessoa, E.F. *see* Wylie, W.R. 9—85856

Pestov, A.B. Deuteron wave equation 9—89248

Pestov, B.E. The 'Impulse-F' ultrasonic instrument for investigating solid-state materials 9—94433

Pestov, S.S., Kuleznev, V.N., Shershnev, V.A. Influence of temperature on phase composition of mixture of cis-polybutadiene with butadiene-styrene copolymer 9—96005

Pestov, Yu.N., Tayurskii, V.A., Fedotovich, G.V. Time correlation of muon pairs and multiple hadron production 9—80178

Pestov, Yu.N. *see* Laptev, V.D. 9—81119

Pestrikov, D.V. *see* Parchomchuk, V.V. 9—72095

Pesuit, D.R. Air absorption calculations for outdoor plant design 9—70497

Petcavich, R.J., Painter, P.C., Coleman, M.M. Fourier-transform infrared studies on the thermal degradation of poly-α-deuteroacrylonitrile under reduced pressure 9—87437

Petch, H.E. *see* Watton, A. 9—73839

Petchenjakov, I. *see* Georgiev, J. 9—65203

Petcov, S.T. *see* Christova, E.Ch. 9—71753

Petcov, S.T. *see* Jones, D.R.T. 9—75718

Peteghem, A.P.Van *see* Van Peteghem, A.P.

Petel, R.L. *see* Delumeyea, R.G. 9—57991

Petel, R.L. *see* Delymyea, R. 9—83666

Petela, R., Wilk, R., Zielinski, Z. Investigations of the combustion of a heavy oil droplet with simultaneous cracking inside 9—74385

Petela, R. *see* Fligier, G. 9—74384

Petelenz, P. Electric field dependence of exciplex decay 9—98133

Petelenz, P. Mixing of Frenkel excitons and ionic excited states in a linear crystal of donor-acceptor complex 9—99485

Petelin, M.I. *see* Bratman, V.L. 9—60157, 9—98331

Petenyi, V., Rohar, S., Sebesta, F., Sedlacek, J. Utilization of radiochemical and mass-spectrometric analysis of the spent fuel of the A-1 power plant for non-destructive burn-up determination 9—89372

Peter, C.J.de *see* de Peter, C.J.

Peter, E.A. *see* Wolfsberg, M. 9—89659

Peter, J. *see* Lebrun, C. 9—63707

Peter, M., Ashkenazi, J., Dacorogna, M. Critical temperature predictions. Theory of high T_c superconductors 9—65582

Peter, M., Ashkenazi, J., Dacorogna, M. On the microscopic theory for high temperature superconductors 9—87187

Peter, M. *see* Manuel, A.A. 9—65359, 9—82515

Peter, S., Kunzel, J., Weber, G., Kreisel, T. A new capillary-viscometer for the measurement of the flow of vital blood. Theoretical and experimental experiences 9—79671

Peter, W., Ron, A., Rostoker, N. Propagation of a wide ion beam into a magnetic barrier 9—90439

Peterfreund, A.R., Kieffer, H.H. Thermal infrared properties of the Martian atmosphere. III. Local dust clouds 9—84711

Peterfreund, A.R. *see* Martin, T.Z. 9—84709

Peterka, J.A. *see* Wedding, J.B. 9—98704

Peterkin, L.S. *see* Finlayson, D.M. 9—73550

Peterkop, R.K., Liepin'sh, A.K. Calculation of electron impact excitation cross-section for copper and strontium atoms 9—89789

Peterkop, R.K., Ryabykh, Yu.I. Excitation of Al, Ga, In, and Tl atoms by electron impact 9—54972

Peterkop, R.K. *see* Liepinsh, A.K. 9—54971

Peterlin, A. Accordion-type laser-Raman (ALR) oscillations in crystalline polymers 9—55854

Peterlin, A. Crystallization phenomena 9—82162

Peterlin, A. *see* Araimo, L. 9—74210

Peterman, A. Renormalization group and the deep structure of the proton 9—85302

Peterman, D.J., Harmon, B.N., Marchiando, J. Electronic structure of metal hydrides. II. Band theory of ScH_2 and YH_2 9—78006

Peterman, D.J. *see* Rosei, R. 9—69816

Peterman, K., Miller, W.H. On-line calculation of experimental neutron spectra uncertainties 9—59298

Peterman, K. *see* Miller, W.H. 9—59297

Peterman, K.W. *see* Miller, W.H. 9—85876

Petermann, J., Gohil, R.M. A new method for the preparation of high modulus thermoplastic films 9—100105

Petermann, J., Miles, M., Gleiter, H. The crystalline core of the row structures in isotactic polystyrene. I. Nucleation and growth 9—86718

Petermann, J., Schultz, J.M. Deformation and defects in $(SN)_x$ kink bands 9—52308

Petermann, K. Calculated spontaneous emission factor for double-heterostructure injection lasers with gain-induced waveguiding 9—81429

Petermann, K. *see* Eickhoff, W. 9—81564

Peternelj, J., Nicoll, D.W., Pintar, M.M. Effect of tunneling on the frequency of dependence and time evoluation of nuclear magnetization in the rotating frame 9—61252

Peters, A., Kimmich, R. Deuterium relaxation in specifically labeled lecithin-bilayers 9—92173

Peters, C.T. The relationship between Palmqvist indentation toughness and bulk fracture toughness for some WC-Co cemented carbides 9—70155

Peters, C.W. *see* Weber, W.H. 9—98092

Peters, D., Peters, J. Quantum theory of the structure and bonding in proteins. II. The simple dipeptide 9—53039

Peters, D. *see* Neumann, H. 9—65565

Peters, F. *see* Frese, H. 9—72083

Peters, F. *see* Wieners, N. 9—68868

Peters, G.J. *see* Massey, P. 9—101171

Peters, G.J. *see* Snow, T.P., Jr. 9—62832

Peters, H.E. Small, very small, and extremely small hydrogen masers 9—55097

Peters, H.P., Stauffer, D., Holters, H.P., Loewenich, K. Radius, perimeter, and density profile for percolation clusters and lattice animals 9—93075

Peters, J. *see* Peters, D. 9—53039

Peters, J.B. *see* Kharadly, M.M. 9—80002

Peters, J.F. *see* Varner, J.L. 9—62226

Peters, J.H. Device for time lapse studies on living cells in vitro 9—74813

Peters, J.-M. *see* Fiore, G.D. 9—76252

Peters, K. *see* Mikhail, I. 9—55705

Peters, L.J. *see* Boulware, R.J. 9—100708

Peters, M. Suction capillaries with U-shaped opening for holding moving cells during intracellular electrical recording 9—100793

Peters, M.J., Wevers-Henke, J.J. Use of an RF SQUID in magnetocardiography 9—79670

Peters, N. On the stability of Linan's 'premixed flame regime' 9—52666

Peters, N. Premixed burning in diffusion flames—the flame zone model of Libby and Economos 9—60093

Peters, O. *see* Knopf, U. 9—68040

Peters, P.C. Toroidal black holes? 9—97023

Peters, P.C., Kessler, G. Comment on 'Simple model for the emission particles by black holes' (and reply) 9—71190

Peters, P.N. *see* Holdeman, L.B. 9—56444

Peters, R. *see* Wilt, M.C. 9—56390

Peters, R.M. *see* Brimm, J.E. 9—70673

Peterse, W.J.A.M. *see* Hogervorst, A. 9—95157

Peterseim, J., Thummes, G., Mende, H.H. Reduction of the residual resistivity of thin copper-wires by internal oxidation 9—87747

Petersen, A.S. *see* Carneiro, K. 9—95393

Petersen, C. *see* Bocek, M. 9—89381

Petersen, C.K. *see* Chapman, J.N. 9—52950

Petersen, D. *see* Hand, L. 9—75979

Petersen, F.R. *see* Baird, K.M. 9—93104

Petersen, F.R. *see* Henningsen, J.O. 9—93998

Petersen, F.R. *see* Jennings, D.A. 9—64263

Petersen, G. *see* Breskin, A. 9—49904

Petersen, G.L. *see* Jellison, G.E., Jr. 9—61261

Petersen, J.C. *see* Henningsen, J.O. 9—93998

Petersen, J.F. *see* Betts, R.R. 9—80909

Petersen, J.F. *see* Seglie, E.A. 9—63692

Petersen, J.L. *see* Hoyer, P. 9—54317

Petersen, J.O. *see* Albrow, M.G. 9—75805

Petersen, K. The converse of the dominated ergodic theorem 9—71349

Petersen, K.E., Adler, D. A model for the on state of amorphous chalcogenide threshold switches 9—56270

Petersen, K.E., Adler, D. A model for the on state of amorphous chalcogenide threshold switches 9—99588

Petersen, K.R. Noninvasive determination of bone stiffness 9—96695

Petersen, M.R., Beecher, M.D., Moody, D.B., Stebbins, W.C., Zoloth, S.R. Neural lateralization of species-specific vocalizations by Japanese Macaques (Macaca fuscata) 9—62268

Petersen, M.R. *see* Zoloth, S.R. 9—79563

Petersen, P.M. *see* Bell, M. 9—93413

Petersen, S. *see* Decker, D.L. 9—73308

Petersen, T.S., Legvold, S., Gschneidner, K.A., Jr., McMasters, O.D., Moorman, J.O. Thermoelectric power of $Nd_{1-x}La_x$ and $Ce_{1-x}La_x$ alloys 9—78080

Peterson, A.C., Winters, L. Rod thermal response during isothermal loss-of-coolant experiments 9—85651

Peterson, A.C., Winters, L. Rod thermal response during isothermal loss-of-coolant experiments 9—89447

Peterson, B.A., Wright, A.E., Jauncey, D.L., Condon, J.J. Redshifts of southern radio sources. V 9—97060

Peterson, B.A. *see* Hawarden, T.G. 9—80348

Peterson, B.A. *see* Wright, A.E. 9—92886

Peterson, B.M., Strom, S.E., Strom, K.M. The sizes of disk systems in the Virgo and Hercules clusters 9—75269

Peterson, C. *see* Hoyer, P. 9—54317

Peterson, D.J., Partlow, L.M., Gandhi, O.P. An investigation of the thermal and athermal effects of microwave irradiation on erythrocytes 9—70581

Peterson, D.M., Elliot, J.L., Mink, D.J. The spectroscopic orbit of β Scorpii A 9—67059

Peterson, D.T. *see* Franzen, H.F. 9—86893

Peterson, D.T. *see* Weaver, J.H. 9—78005

Peterson, E.A. *see* Igo, G. 9—80916

Peterson, E.L., Jones, M.D.R. Do circadian oscillators ever stop in constant light? 9—92255

Peterson, E.M., O'Reilly, D.E., Tsang, T. Proton dynamics and surface heterogeneity of silica gel with adsorbed benzene below one monolayer coverage 9—69735

Peterson, E.M. *see* McMillan, J.A. 9—100342

Peterson, G.A., Flanz, J.B., Webb, D.V., De Vries, H., Williamson, C.F. A system of dipole magnets for 180° electron scattering 9—49891
Peterson, G.R. *see* Horton, M.D. 9—99087
Peterson, J. *see* Eaton, S.S. 9—95647
Peterson, J. *see* Reimers, R. 9—68103
Peterson, J.C., Thomas, M.E., Nordstrom, R.J., Damon, E.K., Long, R.K. Water vapor-nitrogen absorption at CO_2 laser frequencies 9—50011
Peterson, J.M., Brown, K.L. The sensitivity of the PEP beam transport line to perturbations 9—72096
Peterson, J.M. *see* Hanks, R.W. 9—90216
Peterson, J.M. *see* Opelka, J.H. 9—72029
Peterson, J.N., Griffith, J.M. Kalman filter techniques applied to blood-flow measurements 9—100686
Peterson, J.N. *see* Griffith, J.M. 9—62325
Peterson, J.R. *see* Coggiola, M.J. 9—54801
Peterson, J.R. *see* Stevenson, J.N. 9—99115
Peterson, J.T., Flowers, E.C., Rudisill, J.H. Urban-rural solar radiation and atmospheric turbidity measurements in the Los Angeles basin 9—80024
Peterson, K.M. *see* Garren, A.A. 9—72068
Peterson, L.E. *see* Oda, M. 9—80220
Peterson, L.F. Plasma physics research at the Australian National University 9—99003
Peterson, M.A. Analogy between thermodynamics and mechanics 9—71174
Peterson, M.A. *see* Moir, R.W. 9—71972
Peterson, O.G. *see* Walling, J.C. 9—72573
Peterson, R.C., Carney, B.W. Abundance analyses of metal-poor stars. II. Yellow spectra of five dwarfs 9—92760
Peterson, R.J. *see* Boudrie, R.L. 9—85540
Peterson, R.J. *see* DiGiacomo, N.J. 9—93593
Peterson, R.J. *see* Kluger-Bell, B.M. 9—59010
Peterson, R.J. *see* Morris, C.L. 9—93505
Peterson, R.J. *see* Sercely, R.R. 9—80871
Peterson, R.J. *see* Smith, P.A. 9—67630
Peterson, R.K. Performance-improvements in laser beam recorders [hard copy imagery] 9—80715
Peterson, R.L. Analog-to-digital conversion with a SQUID: conditions for a countable pulse train 9—91191
Peterson, R.S. *see* Button, T.M. 9—49975
Peterson, R.S. *see* McDaniel, F.D. 9—69907
Peterson, R.W. Transportation status and problems in the nuclear fuel cycle 9—59236
Peterson, S. *see* Berns, M.W. 9—66599
Peterson, V.J. *see* Winge, R.K. 9—83519
Peterson, W.C., Zallouk, M.G. Film region flow boiling dynamics 9—59145
Petersson, B. *see* Krzywicki, A. 9—89110
Petersson, J. Influence of relaxing defects on the paraelectric-ferroelectric phase transitions of Rochelle salt 9—61320
Petersson, J. *see* Barth, E. 9—91389
Petersson, K. *see* Pahlm, O. 9—70678
Petersson, L.-G., Kono, S., Hall, N.F.T., Fadley, C.S., Pendry, J.B. Determination of adsorbate geometries from intramolecular scattering in deep-core-level X-ray photoemission: CO on Ni (001) 9—65314
Petersson, R. *see* Nulow, B. 9—54430
Petersson, S., Baglin, J., Hammer, W., D'Heurle, F., Kuan, T.S., Ohdomari, I., de Sousa Pires, J., Tove, P. Formation of iridium silicides from Ir thin films on Si substrates 9—82471
Petersson, S. *see* Baglin, J. 9—99376
Petersson, S. *see* de Sousa Pires, J. 9—99619
Pethe, G.V. *see* Varkey, P.A. 9—69180
Pethick, C.J., Smith, H. Relaxation and collective motion in superconductors. A two-fluid description 9—56369
Pethick, C.J., Smith, H. Relaxation and collective motion in superconductors. A two-fluid description 9—73625
Pethick, C.J., Smith, H. Generation of charge imbalance in a superconductor by a temperature gradient 9—95541
Pethick, C.J. *see* Baym, G. 9—86956
Peticolas, W.L., Blazej, D.C. Estimation of the distortion of the geometry of nucleic-acid bases in the excited electronic state from the ultraviolet resonance Raman intensity of certain normal modes 9—68236
Peticolas, W.L. *see* Barrett, T.W. 9—59467
Petin, V.G., Berdnikova, I.P. Effect of elevated temperatures on the radiation sensitivity of yeast cells of different species 9—79610
Petinov, V.I. *see* Dukhovskoi, E.A. 9—87140
Petinov, V.I. *see* Morozov, Yu.G. 9—69619
Petipas, C. *see* Labulle, B. 9—99120
Petit, B. Ergodic theory: classification of same real transformations 9—63146
Petit, C. *see* Paranthoen, P. 9—94751
Petit, G. *see* Breelle, Y. 9—74512
Petit, G.Y. *see* Rigaud, F. 9—93617
Petit, J. *see* Besson, J.L. 9—82282
Petit, J. *see* Ranganathan, N. 9—79069
Petit, J.A. *see* Chatainier, G. 9—52423
Petit, M. *see* Giraud, A. 9—75040
Petit, P. *see* Savard, J.-Y. 9—72544
Petite, G. *see* Agostini, P. 9—54824
Petitjean, P. *see* Morfin, J.G. 9—71740
Petkevich, M.Z. *see* Bershtein, V.A. 9—51967
Petkov, B.T. *see* Totev, T.L. 9—85695
Petkov, I.J. *see* Delchev, I.I. 9—49643
Petkov, I.Zh. *see* Antonov, A.N. 9—75959
Petkov, M.D. Zinc concentration in epitaxial layers of gallium phosphide doped with zinc and tellurium 9—77614
Petkov, P.T., Prodanova, R.I., Apostolov, T.G. BIPR-5K—an improved programme for the complete computation of the neutron-physical characteristics of the WWER-440 reactors 9—85601
Petkov, V.I., Spasov, K.I., Shishedzhiev, B.K. Heat and mass exchange of turbulent dissociating gas flow in triangular rod bundle in the active zone of a reactor 9—68822
Pet'kov, V.V., Epifanov, V.G., Tarnavskii, A.N., Polenur, A.V. High-temperature attachment for an X-ray diffractometer 9—49355
Petkova, V.B. *see* Todorov, I.T. 9—63377
Petkovic, R.A., Luton, M.J., Jonas, J.J. Recovery and recrystallization of polycrystalline copper after hot working 9—91661
Petlenko, V.A., Khizhnyak, N.A. Scattering of electromagnetic waves by ideally conducting bodies in a rectangular waveguide 9—81336
Petley, B.W. The ampere, the kilogram and the fundamental constants—is there a weighing problem? 9—85127
Petley, B.W., Morris, K. A measurement of the Rydberg constant 9—54093
Petlitsa, A.P., Ermolaev, M.I., Kapitanov, V.F., Dugin, N.A. Corrosion resistance of magnesium-beryllium alloys in aqueous solutions of potassium bichromate and carbon dioxide at various temperatures and pressures 9—76074
Peton, A. Variational study of spectral shifts 9—75093
Petov, A.Yu. *see* Vendik, O.G. 9—69637
Petr, I. Ionising radiation produced during the operation of particle accelerators and protection against it 9—89505
Petrac, D., Mason, P.V. Evaluation of porous-plug liquid separators for space superfluid helium systems 9—54142
Petrac, D. *see* Mason, P. 9—55987
Petraccaro, F. *see* Bracale, M. 9—57637
Petracchi, D. *see* Ascoli, C. 9—83775
Petrakis, L., Seshadri, K.S. ^{13}C nuclear magnetic resonance investigation of ethylene homopolymers, copolymers and model systems. Chemical shifts and relaxation times 9—72449
Petrakova, N.M. *see* Alekseeva, M.I. 9—49268
Petrakovskii, G.A., Smokotin, E.M., Pankrats, A.I. Magnetoelastic coupling in magnetodielectrics 9—87300
Petranovic, N. *see* Susic, M. 9—55925
Petranovskii, B.P. *see* Bogomolov, V.N. 9—61378
Petrarca, S. *see* Bietti, A. 9—63516
Petrascheck, D. *see* Rauch, H. 9—60231
Petrascu, M. *see* Abou-Leila, M.A.A. 9—85576
Petrascu, M. *see* Collins, C.B. 9—59033
Petrash, G.G., Kazaryan, M.A. Optical systems with brightness amplifiers 9—98498
Petrash, I. *see* Aleksandrov, E. 9—93166
Petrashen', P.V., Chukhovskii, F.N., Shul'pina, I.L. Solution of the problem of calculating X-ray projection topograms 9—86647
Petrashen, P.V. *see* Kislovskii, E.N. 9—50935
Petrashen', V.E. *see* Voronkova, V.K. 9—95637
Petrashkevich, V. Some relations of the nonlinear Reissner-type theory of shells 9—55329
Petrashku, M. *see* Akimov, Yu.K. 9—49525
Petrasso, R.D., Nolte, J.T., Gerassimenko, M., Krieger, A.S., Krogstad, R., Seguin, F.H., Svestka, Z. Study of the post-flare loops on 29 July 1973. II. Physical parameters in the X-ray loops 9—75194
Petrasso, R.D. *see* Nolte, J.T. 9—75193
Petrauskas, A.K., Sabalyauskas, L.Yu. Calculation of the spectrum of the O^+ levels of the O^{16} nucleus 9—63627
Petrellis, N. *see* Loyalka, S.K. 9—77057
Petrenko, I.E. *see* Pereyaslova, P.K. 9—84600
Petrenko, N.S., Popov, V.P. Dilatometric study of thermal expansion of single crystal rhenium from 2 to 300K 9—55904
Petrenko, P.V. *see* Davidovskii, V.M. 9—51548
Petrenko, P.V. *see* Zubchenko, V.S. 9—51547, 9—99528
Petrenko, V.F. *see* Ossipyan, Yu.A. 9—82233
Petrenko, V.P. *see* Martynov, V.A. 9—95976, 9—100071
Petrequin, P. *see* Jakubowicz, H. 9—97763
Petrera, S. *see* Angelini, C. 9—67548
Petrera, S. *see* Conversi, M. 9—54744
Petrescu, M. *see* Gadea, S. 9—74114
Petrescu, S. *see* Tanasescu, E. 9—64302
Petrescu, St. *see* Danescu, Al. 9—52884
Petreta, S. *see* Read, A.L. 9—49510
Petri, R. *see* Crowther, R.L. 9—81001
Petrichenko, A.M., Mozharov, M.V., Zhabotinskii, N.P., Yakovlev, F.I. Effect of microimpurities of lead on the structure and mechanical properties of high-strength cast iron 9—96089
Petrichenko, A.M. *see* Solntsev, L.A. 9—87611
Petrick, W.R. *see* Tripp, A.C. 9—84095
Petridis, D. *see* Friedt, J.M. 9—61282
Petrie, C.J.S. Measures of deformation and convected derivatives 9—60013
Petrie, L.M. *see* Hoffman, T.J. 9—59193
Petrik, O., Cser, L. Considerations of computer aided instrument design 9—93134
Petrina, D.Ya. *see* Bogolyubov, N.N., Jr. 9—88874
Petrini, B. *see* Blomgren, H. 9—88125
Petrini, D. Position and width of the Na '$2s2p^63s^2$' term 9—59347
Petrivskii, R.I., Krasovskaya, G.M., Alekseev, S.N., Dikii, I.I., Vasilenko, I.I. Brittle fracture of high-strength steels in calcium hydroxide solution 9—52439
Petrivskii, R.I. *see* Mikitishin, S.I. 9—52508
Petro, L. *see* Cooke, B. 9—97104
Petrocco, G. *see* Balestrino, G. 9—58790
Petroff, P.M. Point defects and dislocation climb in III-V compounds semiconductors 9—82209
Petroff, P.M. *see* Henry, C.H. 9—86178
Petroff, P.M. *see* Lang, D.V. 9—60398
Petroff, Y. *see* Thiry, P. 9—74056
Petrofsky, J.S. Sequential motor unit stimulation through peripheral motor nerves in the cat 9—57635
Petrofsky, J.S. In vivo measurement of brain blood flow in the cat 9—83887
Petrofsky, J.S. Digital-analogue hybrid 3-channel sequential stimulator 9—92445
Petrofsky, J.S., Phillips, C.A. Microprocessor controlled stimulation in paralyzed muscle 9—83883
Petrokovets, M.I. *see* Sviridenok, A.I. 9—57040
Petroncelli, P. *see* Mugnai, A. 9—58045
Petroni, N.C., Vigier, J.P. On two conflicting physical interpretations of the breaking of restricted relativistic Einsteinian causality by quantum mechanics 9—63079
Petroni, N.Cufaro *see* Cufaro Petroni, N.
Petronzio, R. *see* De Rujula, A. 9—80818
Petronzio, R. *see* Parisi, G. 9—49453, 9—75723
Petroski, H.J. Dugdale plastic zone sizes for edge cracks 9—72853
Petrosov, V.A. Effect of individual ions on field emission 9—69963
Petrosyan, A.M., Kukhtin, R.I., Venevtsev, Yu.N. Dynamic electroacoustic echo and the recording in piezoelectric powders 9—87397
Petrosyan, G.L. Stresses in the smallest cross-section of a journal in an extended round porous sample 9—76980
Petrosyan, M.B. Compact groups of compact galaxies. IX 9—88751
Petrosyan, Zh.S. *see* Aglamazov, V.A. 9—84616
Petrosyan, Zh.V. *see* Avakyan, R.O. 9—59051, 9—75970
Petrosyants, S.A. *see* Danilin, L.A. 9—96246
Petrov, A. *see* Dimitrov, V. 9—57523
Petrov, A.A. *see* Dorozhkin, A.A. 9—69946
Petrov, A.A. *see* Efremov, G.M. 9—50041
Petrov, A.A. *see* Kim, A.G. 9—49225
Petrov, A.A. *see* Kozlov, I.A. 9—54121, 9—57191, 9—66034
Petrov, A.G. Electrohydrodynamic instability in planar, positive dielectric anisotropy nematic layers at DC excitation 9—94877
Petrov, A.G., Pavloff, Y.V. A new model for flexoelectric polarization of bilayer lipid membranes at blocked 'flip-flop' 9—100582
Petrov, A.G., Seleznev, S.A., Derzhanski, A. Principles and methods of liquid crystal physics applied to the structure and functions of biological membranes 9—53051
Petrov, A.G. *see* Derzhanski, A.I. 9—77495
Petrov, A.L. *see* Basov, N.G. 9—89904
Petrov, A.L. *see* Katulin, V.A. 9—94227
Petrov, A.N. *see* Neshpor, V.S. 9—87715
Petrov, A.P. *see* Kleshchev, A.S. 9—96090
Petrov, A.S. *see* Brudnyi, V.N. 9—56227
Petrov, A.S. *see* Voitsehovski, A.V. 9—78122
Petrov, A.V. *see* Akhmedzhanov, F.R. 9—69198
Petrov, A.V. *see* Bulanin, V.V. 9—64246, 9—68957
Petrov, B.F., Naumov, Yu.V. Effect of the energy structure of the strength function of β-transitions on the emission probability of delayed neutrons 9—75915
Petrov, B.F. *see* Kraft, O.E. 9—80907
Petrov, B.I. *see* Zakharov, L.N. 9—65068
Petrov, E.G. Mechanisms of electron transfer through proteins 9—96510
Petrov, E.G., Teslenko, V.I. Relaxation in the system of vibrational levels of a harmonic oscillator 9—92989
Petrov, E.G., Teslenko, V.I., Kharkyanen, V.N. Nature of sodium-channel gating current carriers. Electronic model 9—70542
Petrov, G.B. *see* Alekseev, V.I. 9—52160
Petrov, G.D. *see* Atamanov, V.M. 9—55548
Petrov, G.D. *see* Gritsenko, A.P. 9—98289
Petrov, G.D. *see* Kolerov, A.N. 9—86609
Petrov, G.M. *see* Ivanov-Kholodny, G.S. 9—96939
Petrov, G.M. *see* Kislik, M.D. 9—88570
Petrov, G.T. Physical conditions in nuclei of galaxies with emission lines 9—80359
Petrov, I.N. *see* Georgiev, V.K. 9—69150
Petrov, I.P. *see* Artemov, K.P. 9—63688
Petrov, M.D. *see* Vasil'ev, I.Yu. 9—64654
Petrov, M.P., Grachev, A.I. Photogalvanic effects in $Bi_{12}SiO_{20}$ 9—91095

Petrov, M.P., Khomenko, A.V., Kovalev, N.N. Resolution of space-time modulators based on electro-optic crystals 9—94343

Petrov, M.P., Khudoleev, A.V. The effect of an elliptic plasma cross-section on the yield of charge-exchange atoms in the stellarator Wendelstein-VII A 9—98950

Petrov, M.P., Marakhonov, V.I., Paugurt, A.P., Shlyagin, M.G. Paramagnetic relaxation of E′ centers in gamma-irradiated fused quartz 9—99770

Petrov, M.P., Stepanov, S.I., Kamshilin, A.A. Light diffraction from the volume holograms in electrooptic birefringent crystals 9—55084

Petrov, M.P., Stepanov, S.I., Kamshilin, A.A. Holographic storage of information and peculiarities of light diffraction in birefringent electro-optic crystals 9—98322

Petrov, M.P. *see* Miridonov, S.V. 9—64185

Petrov, M.V., Tkachuk, A.M. Optical spectra and multifrequency stimulated emission of $LiYF_4$-Er^{3+} crystals 9—56818

Petrov, N.I. *see* Nadezhdin, V.S. 9—59067

Petrov, N.Kh. *see* Kozlov, Yu.I. 9—89901

Petrov, N.N. *see* Dorozhkin, A.A. 9—69946

Petrov, N.S. *see* Boiko, B.B. 9—55172

Petrov, P.P. *see* Khutoryanskii, L.D. 9—65326

Petrov, P.V. *see* Mishev, D.N. 9—50233

Petrov, R.L. *see* Testov, V.G. 9—68388

Petrov, R.P. *see* Karlov, N.V. 9—91999

Petrov, S.B. *see* Izyumov, Yu.A. 9—51749, 9—65648

Petrov, V.A. Restraint on average transverse momenta of secondary particles 9—49563

Petrov, V.A., Gorobei, N.N. Statistics of destructive thermal fluctuations under transient conditions 9—72861

Petrov, V.A. *see* Demidov, B.A. 9—81099

Petrov, V.A. *see* Dobretsov, G.Ye. 9—79450

Petrov, V.A. *see* Gaisanyuk, A.V. 9—56277, 9—95459

Petrov, V.A. *see* Lingart, Yu.K. 9—88959

Petrov, V.A. *see* Sheinkman, A.G. 9—80984

Petrov, V.G. *see* Kolesnikov, V.K. 9—71953

Petrov, V.G. *see* Vasil'ev, N.N. 9—59259

Petrov, V.I., Bobovich, Ya.S., Bortkevich, A.V. Secondary luminescence spectra of dyes excited by high-power radiation in different absorption bands 9—99934

Petrov, V.I. *see* Azimov, S.A. 9—67782

Petrov, V.I. *see* Golubev, L.I. 9—71878

Petrov, V.I. *see* Golubkov, V.V. 9—95619

Petrov, V.K. *see* Klotyn'sh, E.E. 9—69827

Petrov, V.M. *see* Kovalev, E.E. 9—80130

Petrov, V.P., Beschastnov, S.P., Belozerov, V.I. Natural-convection heat transfer from supercritical CO_2 to a cooled horizontal cylinder 9—98724

Petrov, V.P., Parnyakov, E.S. Study of the 'diameter' setting errors of limbs 9—71416

Petrov, V.P. *see* Beschastnov, S.P. 9—86428

Petrov, V.V., Mol'nar, A.A., Ivanov, A.S., Predvoditelev, D.A., Antonov, V.F. Appearance of single ion-conducting channels in unmodified bilayer membranes at the phase-transition temperature 9—70530

Petrov, V.V., Osin, N.S., Predvoditelev, D.A., Antonov, V.F. Ionic permeability of bilayer membranes of synthetic phospholipids in the region of phasic transition 9—53052

Petrov, V.V., Popel', S.I., Sotnikov, A.I., Deryabin, Yu.A. Electrocapillary curves for solid iron and an iron-carbon alloy in liquid sodium tetraborate 9—91968

Petrov, V.V. *see* Akulovich, N.I. 9—91103

Petrov, V.V. *see* Ivanov, A.S. 9—53069

Petrov, V.Yu. *see* Laikhtman, B.D. 9—69799, 9—99724

Petrov, Yu.A. *see* Bogush, G.E. 9—75553

Petrov, Yu.N. *see* Karlov, N.V. 9—77331, 9—91999

Petrov, Yu.V., Shabel'skii, Yu.M. Estimate of energy consumption for π^--meson production by nucleons on light nuclei 9—80943

Petrova, A.T. Electron-microscopic data about the transport of catecholamines from the adrenomedullary cells into the blood 9—66464

Petrova, D.S. *see* Antonov, V.A. 9—91470

Petrova, E.V. *see* Ksanfomaliti, L.V. 9—66950

Petrova, G.K. *see* Vesnina, V.A. 9—71519

Petrova, G.N. Geomagnetic data on the Earth's core 9—79765

Petrova, I.V., Kaplunnik, L.N., Bortnikov, N.S., Pobedimskaya, E.A., Belov, N.V. Crystal structure of synthetic robinsonite 9—77581

Petrova, I.V., Kuznetsov, A.I., Belokoneva, E.L., Simonov, M.A., Pobedimskaya, E.A., Belov, N.V. Crystal structure of boulangerite 9—86770

Petrova, I.V. *see* Kuzhevskii, B.M. 9—62807

Petrova, I.V. *see* Polukarova, Z.M. 9—57201

Petrova, L.I. *see* Abrikosov, N.Kh. 9—52156

Petrova, L.N. *see* Yur'ev, B.P. 9—70014

Petrova, M. *see* Sukonkina, E.A. 9—57809

Petrova, N.P. *see* Kapitanov, N.N. 9—57808

Petrova, O.N. *see* Goman'kov, V.I. 9—65649

Petrova, T.D. *see* Zidarov, D.P. 9—84105

Petrovic, J.J. High-temperature deformation of hypostoichiometric $^{239}PuO_2$ 9—79041

Petrovic, N. *see* Zivojinov, J. 9—95154

Petrovic, R., Nenadovic, T., Kraljevic, N., Dimitrijevic, T. Electrical and structural properties of tantalum nitride thin films deposited by sputtering 9—78242

Petrovic, T., Napijalo, M.Lj. Temperature magnetic hysteresis of nickel near the Curie temperature 9—56567

Petrovic, Z. *see* Nikolic, P.M. 9—55695

Petrovich, F. Folding description of elastic and inelastic scattering 9—93582

Petrovich, F. *see* Adams, G.S. 9—80915

Petrovich, F. *see* Lindgren, R.A. 9—63626

Petrovich, F. *see* Tanaka, Y. 9—59000

Petrovich, I.P. *see* Ivakin, E.V. 9—94191

Petrovich, I.V. *see* Sredin, V.G. 9—74012

Petrovici, M. *see* Abou-Leila, M.A.A. 9—85576

Petrovick, M.L. *see* Haak, E.D. 9—83869

Petrovskaya, L.M. *see* Trykov, Yu.P. 9—71410

Petrovskaya, M.S. Solution of the geodetic boundary value problem 9—62424

Petrovskaya, M.S. Estimation of the error of the satellite model of the potential at the surface of a planet 9—96935

Petrovski, J. Need for experimental evidence in development of seismic microzoning methods 9—88514

Petrovskii, A.N. *see* Gridin, V.A. 9—86221

Petrovskii, G.T. New optical glasses and crystals 9—94308

Petrovskii, G.T., Buzhinskii, I.M., Polukhin, V.N. USSR-East Germany optical glass catalog 9—76775

Petrovskii, G.T. *see* Evstrop'ev, K.K. 9—86923

Petrovskii, G.V. *see* Mikhailov, A.M. 9—70513

Petrovskii, M.L. *see* Gostishchev, V.I. 9—91754

Petrovskii, V.I., Solov'ev, N.N., Omel'yanovskii, E.M., Ivleva, V.S. Influence of the surface conduction on the electrical properties of compensated n-type InSb 9—69579

Petrovskii, V.N. *see* Ermachenko, V.M. 9—86160

Petrovskii, V.N. *see* Gubin, M.A. 9—89934

Petrovykh, N.V. *see* Laptev, V.D. 9—81119

Petrow, B.F., Naumow, Y.W., Klapdor, H.V. Structure in the beta strength function of very neutron-rich Rb-isotopes 9—93564

Petrowa, G.P. Spectra of molecular scattering of light in the isotropic phase of some nematic liquid crystals 9—91453

Petrowicz, O., Heinkelmann, W., Erhardt, W., Wriedt-Lubbe, I., Blumel, G., Hepp, W. Experimental studies on the use of microwaves for the localized heat treatment of the prostate 9—100698

Petrozio, R. *see* Furmanski, W. 9—75744

Petru, F., Vesela, Z. Discharge tubes of He-Ne lasers 9—72586

Petrucci, G. *see* Bell, M. 9—93413

Petrucci, S. *see* Saar, D. 9—56717

Petrucciani, C. *see* Casnedi, R. 9—100818

Petrucelli, S., Thaler, S. A serial to parallel interface system for TENS pain suppression 9—92321

Petrukhin, A.A. *see* Kokoulin, R.P. 9—84618

Petrukhin, G.D. *see* Martyushev, Yu.Yu. 9—93214

Petrukhin, V.I. *see* Albrecht, D. 9—75985

Petrukhin, V.I. *see* Baldin, B.Yu. 9—68140

Petrukhin, V.I. *see* Bystritskii, V.M. 9—50171

Petrukhin, V.I. *see* Kachalkin, A.K. 9—94866

Petrunin, V.F. *see* Trusov, L.I. 9—82340

Petrunin, V.I. *see* Vorogushin, M.F. 9—81347

Petrunina, E.B. *see* Mikhailenko, S.A. 9—60244

Petrunina, T.I. *see* Dzhelyadin, R.I. 9—67556

Petrunina, T.I. *see* Golovkin, S.V. 9—89212

Petrunina, T.I. *see* Victorov, V.A. 9—67546

Petrun'kin, V.A. *see* L'vov, A.I. 9—58905

Petrun'kin, V.Yu. *see* Gusev, A.A. 9—72611

Petrunov, V.S., Yuferov, D.V., Lagunov, Yu.V., Pronina, N.I. Mechanical characteristics of zirconium electrocorundum 9—78999

Petrunova, Kh.M. *see* Gdalevich, G.L. 9—84566

Petrusevich, S.I. Models of stars with small-scale magnetic fields 9—92754

Petrushenko, Yu.V. *see* Kuklev, V.P. 9—89936

Petrushevskii, M.S., Gel'd, P.V. Enthalpies of formation of three-component metallic melts with negligible deviation from Raoult law 9—51277

Petrv, F., Vesela, Z. He-Ne lasers discharge tubes 9—76702

Petryakov, A.I. *see* Atamanov, V.M. 9—55548

Petryanov, I.V. *see* Berezhnoi, V.M. 9—92581

Petryanov, I.V. *see* Zhulanov, Yu.V. 9—54244, 9—93096

Petrzhak, K.A. *see* Sorokina, A.V. 9—97744

Petrzilka, V.A. *see* Klima, R. 9—86570

Petschacher, R. *see* Gruber, J. 9—81565

Petschek, A. *see* Colgate, S.A. 9—53843

Petschek, A.G., Williamson, R.E., Krauser, W.J., White, P.C. Monte Carlo functional expansion calculation of free molecular flows 9—72912

Petschek, R.G. Effect of critical slowdown on nuclear magnetic resonance in solids near a second-order structural transition 9—73846

Petschek, R.G., Halperin, B.I. Proton-spin-resonance relaxation times near the ordering transition in NH_4Cl 9—61251

Petschek, R.G. *see* Straub, G.K. 9—73253

Petsko, G.A. *see* Frauenfelder, H. 9—92133

Pett, J. *see* Keyser, R. 9—72050

Pettersen, B.R. *see* Andersen, B.N. 9—101136

Pettersen, E.O., Lindmo, T. Effects of different growth conditions on survival after irradiation in hypoxia of human cells (NHIK 3025) in vitro 9—74719

Pettersen, G., Parr, H. Ideal metastability fields and field penetration in type-I and type-II superconducting InBi single spheres 9—73617

Pettersson, L. The Fennoscandian land uplift gravity lines 9—92474

Pettersson, L.E. *see* Nilsson, B.O. 9—74716

Pettibone, D.W. *see* Auld, B.A. 9—50243

Pettifer, R.E.W. Meteorological data acquisition systems for operators on the continental shelf 9—70887

Pettifer, R.E.W. A brief introduction to the United Kingdom Mark 3 radiosonde system 9—84548

Pettifor, D.G., Varma, C.M. On the heat of formation within the density functional formalism 9—57283

Pettigrew, M.J. *see* Paidoussis, M.P. 9—64757

Pettigrew, R.M. Analysis of grating imaging and its application to displacement metrology 9—86258

Pettini, M. *see* Cantu, A.M. 9—49973

Pettini, M. *see* Jannitti, E. 9—93947

Pettit, G.D. *see* DiStefano, T.H. 9—91511

Pettit, P.J. DOE programs in LWR chemistry and radiation control 9—54554

Pettit, P.J., Rothstein, S. PWR steam generator chemical cleaning 9—93819

Pettit, R.B. Hemispherical transmittance properties of solar glazings as a function of averaging procedure and incident angle 9—52957

Pettit, W.A. Chemical considerations in the accelerator production of N-13. N-13-nitrosourea preparation 9—53242

Pettitt, B.A., Wasylishen, R.E. A carbon-13 NMR study of carbon tetrabromide 9—78549

Pettitt, B.M. *see* Matcha, R.L. 9—64054, 9—94038

Pettre, P. *see* Blondin, C. 9—84411

Petty, M.C., Roberts, G.G. CdTe/Langmuir-film MIS structures 9—65551

Petty, R.J. *see* Clark, G.J. 9—95283

Petty, R.L. *see* Kerrisk, J.F. 9—93734

Petuchov, B.V. *see* Govorkov, V.G. 9—82278

Petuchowski, S. *see* Loop, M.S. 9—74668

Petuchowski, S.J., Oberstar, J.D., DeTemple, T.A. Optical triple resonance 9—93963

Petukhov, A.G., Doicho, I.K., Bashenov, V.K. Electronic density of states in ternary alloys using the cluster-Bethe-lattice method 9—90939

Petukhov, A.G. *see* Altshul, V.Ya. 9—51188

Petukhov, A.G. *see* Bashenov, V.K. 9—56164, 9—82514

Petukhov, B.S., Polyakov, A.F., Shekhter, Yu.L. Turbulent flow and heat transfer in a gravitational field 9—86427

Petukhov, N.N., Karadimov, D.S., Stamboliev, I.B. Thermodynamic characteristics of the cathode in X-ray tubes 9—93264

Petukhov, V.A., Chekhovskoi, V.Ya., Mozgovoi, A.G. Experimental investigation of the thermal expansion of niobium at high temperatures 9—55905

Petukhov, V.A. *see* Batashev, S.P. 9—72610

Petukhov, V.A. *see* Derkacheva, L.D. 9—76685

Petukhov, V.G. *see* Osin, N.S. 9—79601

Petukhov, V.I. *see* Sokolov, A.A. 9—50199

Petukhov, V.O. *see* Bertel', I.M. 9—89887, 9—94205

Petukhov, V.P., Romanovskii, E.A., Ermakov, S.V. Polarization of the characteristic X-radiation excited by collision with a proton 9—59394

Petukhov, Yu.M. *see* Akhlyustin, V.I. 9—81172

Petukhov, Yu.V. *see* Pelinovskii, E.N. 9—98526

Petukhova, V.M. *see* Frolov, A.A. 9—79508

Petushkov, V.G., Kudinov, V.M., Soskov, A.A. Nondestructive method for determining residual stresses 9—96267

Petutin, A.I. *see* Anders, A.G. 9—61234, 9—87321

Petvai, S.I. *see* Carbone, Q.J. 9—78876

Petviashvili, V.I. *see* Gureev, K.G. 9—55522

Petviashvili, V.I. *see* Nekrasov, A.K. 9—98901

Petzelt, J., Kozlov, G.V., Volkov, A.A., Ishibashi, Y. Far infared and millimeter dielectric response of incommensurate and ferroelectric K_2SeO_4 9—73955

Petzinger, K.G., Munjal, R.L., Zaremba, E. Effect of trapping μ^+ spin depolarization in solids 9—56683

Petzow, G. *see* Boskovic, S. 9—52145

Petzow, G. *see* Gauckler, L. 9—66044

Petzow, G. *see* Gauckler, L.J. 9—66266

Petzow, G. *see* Nakamura, T. 9—79242

Peube, J.L., Blay, D. A thermodynamic conversion system of solar energy using a high temperature 9—70434

Peugnet, C., Roche, M., Delvaux, J. Simultaneous measurement of the temperature of the hydrodynamic speed of a thin foil submitted to an intense electronic energy deposition 9—77403

Peuker, K. *see* Enderlein, R. 9—61324

Peura, R.A. *see* Penney, B.C. 9—57740

Peuser, F.A. *see* Nickel, H. 9—87924

Pevgov, V.G. *see* Grigo'yan, G.M. 9—64216

Pevgov, V.G. *see* Kochetov, I.V. 9—59670
Pevgov, V.G. *see* Zhdanok, S.A. 9—76677
Pevnev, A.K., Odinev, N.N., Guseva, T.V., Davidenko, Y., Belokopytov, V.A. Surface deformation over the Garm geodynamic polygon 9—79792
Pevsner, A. *see* Brandelik, R. 9—93441
Pevtsov, A.B., Shadrin, E.B., Il'inskii, A.V., Kartenko, N.F., Melekh, B.T., Andreev, A.A. Spectra of Nd_2O_3 and $Nd_2Ti_2O_7$ single crystals 9—65929
Pevtsov, V.V., Shipilov, V.I., Korotkov, V.G., Filippov, A.N. Apparatus for remote radiation monitoring of processes of extractive separation of transuranium elements 9—71983
Pevzner, B.I., Mikheev, V.V., Lebedev, D.B., Makeev, I.F. Multisection plan for hydrogen absorption of metal samples for large scale tests under conditions of cathodic polarization 9—52504
Pevzner, E.D. Press for dynamic tests 9—87789
Pevzner, M.B. *see* Lisker, I.S. 9—73535
Pevzner, M.L., Khlebnikova, I.Yu. A high-temperature installation for the thermomechanical testing of refractories 9—83425
Peyaud, B. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Peyaud, B. *see* Groot, J.G.H. 9—93395
Peyer, C. Electrocardiography 9—100757
Peyerimhoff, S.D., Buenker, R.J. Ab initio MRD-CI potential surfaces for the low-lying states of the NH_2^+ molecular ion 9—89611
Peyerimhoff, S.D., Buenker, R.J. Potential curves for dissociative electron attachment of $CFCl_3$ 9—98231
Peyerimhoff, S.D. *see* Preuss, R. 9—49947
Peyerimhoff, S.D. *see* Romelt, J. 9—86032
Peyerimhoff, S.D. *see* Shih, S.-K. 9—94106
Peyerimhoff, S.D. *see* Zeitz, M. 9—76349
Peyeva, R.A. *see* Antonova, K.T. 9—64315
Peyghambarian, N. *see* Chase, L.L. 9—56138
Peyker, N.K. *see* Baryshev, Yu.V. 9—98714
Peykov, P.H. Effect of repeated oxidation on silicon's optical properties 9—52402
Peykov, P.H. Varicap with steplike C-V characteristics 9—60924
Peyrade, J.P. *see* Chomel, P. 9—52226
Peyrard, M., Perret, R. FIR spectroscopy study of the first-order phase transition of $(CH_3CH_2NH_3)_2CdCl_4$ 9—65870
Peyrard, M. *see* Remoissenet, M. 9—77814
Peyre, H., Duval, P., Henry, L. Calculation of the effect of inelastic scattering on the contrast of stacking faults observed by electron microscopy 9—60388
Peyrelasse, J. *see* Lagourette, B. 9—100452
Peyronel, G. *see* Pignedoli, A. 9—99170
Peyrou, C. *see* Blietschau, J. 9—93396
Peytavy, J.L., Lebugle, A., Montel, G., Pastor, H. A study of some properties of titanium boronitride used for the coating of cutting tools 9—61802
Peytavy, J.-L., Lebugle, A., Montel, G., Pastor, H. Chemical vapour deposition of titanium boronitride 9—74097
Pezat, M. *see* Darriet, B. 9—66419, 9—74549
Pezerat, H. *see* Peltre, M.-J. 9—78670
Pezzati, E. *see* Schiraldi, A. 9—96017
Pezzilli, M. *see* Amendola, A. 9—97795
Pfab, J. *see* Ernsting, N.P. 9—72329
Pfaender, F.K. *see* Brewer, W.S. 9—84331
Pfaff, J., Stock, M., Zevgolis, D. Transition dipole moment of NaK and its dependence upon internuclear distance 9—94034
Pfaller, W., Rovan, E. Preparation of resin embedded unicellular organisms without the use of fixatives and dehydration media 9—70724
Pfandner, K. *see* Boning, K. 9—91029
Pfann, J. Analysis of liquid metal heat transfer criterial equation 9—68707
Pfau, E. Equalisers as universal sound quality control instruments 9—64399
Pfau, W. Interstellar reddening in a high-latitude field around omega Bootis 9—101185
Pfeffer, H., Wolff, D.A. Magnet protection using ZNR surge suppressors 9—68043
Pfeffer, R.L., Barcilon, A. Determination of eddy fluxes of heat and eddy temperature variances using weakly nonlinear theory 9—79928
Pfefferbaum, A., Ford, J.M., Roth, W.T., Hopkins, W.F., III, Kopell, B.S. Event-related potential changes in healthy aged females 9—79500
Pfeifer, C.J., Spitz, C.J. PDQ-8 9—71876
Pfeifer, F., Behnke, W. High pulse permeability and high excursion range of induction for soft magnetic NiFe alloys with a crystallographic texture and field induced anisotropy 9—73779
Pfeifer, V.T., Bambach, M., Furst, A. Determination of the measuring error of 3-D-probes 9—80574
Pfeiffer, B. *see* Scott, S.M. 9—93499
Pfeiffer, G. *see* Hohne, K.H. 9—79640
Pfeiffer, H. Basic consideration for an analytic theory of two-component crystal growth 9—82168
Pfeiffer, H. On the analytic treatment of the growth of rough interfaces 9—86730
Pfeiffer, H.J. *see* Engfer, R. 9—85497
Pfeiffer, H.J. *see* Navon, I. 9—63705, 9—85543
Pfeiffer, M. *see* Fabian, H. 9—89968
Pfeiffer, R. *see* Rose, J.H. 9—82530
Pfeiffer, T. Lightguide communication systems—will they replace conventional equipment, or find new applications? 9—64325
Pfeifle, H. *see* Blasberg, E. 9—91159
Pfeifle, H. *see* Korn, D. 9—69895, 9—83044
Pfeifroth, L. Film flow of an inviscid liquid 9—68675
Pfender, E. *see* Johnson, D. 9—50903
Pfersich, Ch., Waeber, W.B., Steinemann, S.G. Calculation of deformation potentials 9—55806
Pfeuty, P. An exact result for the 1D random Ising model in a transverse field 9—75469
Pfeuty, P., Aharony, A. Crossover effects in anisotropic spin glasses 9—65692
Pfeuty, P. *see* Jullien, R. 9—71374, 9—82800
Pfeuty, P. *see* Penson, K.A. 9—82801
Pfeuty, P. *see* Southern, B.W. 9—56549
Pfeuty, P. *see* Uzelac, K. 9—97317
Pfirsch, D. Fusion α-particle problems 9—97906
Pfister, B.F., Horvath, S., Jr. Microprocessor based real-time speech processor 9—64437
Pfister, C.E. *see* Bricmont, J. 9—49171, 9—49172
Pfister, G. New aspects of electronic properties of amorphous selenium and its use in xerography 9—97454
Pfister, G., Morgan, M., Liang, K.S. Electrical transport in a-As_2Se_3 containing metallic impurities 9—60846
Pfister, G. *see* Vehrenkamp, R. 9—50828
Pfister, H. *see* Philipp, G. 9—100751
Pfister, J.C. *see* Magnea, N. 9—60764, 9—99940
Pfisterer, F., Bilger, G., Schock, H.W., Bloss, W.H. Improvement of efficiency and stability by copper-treatment and front contacting of Cu_xS-CdS solar cells 9—61987
Pfisterer, F. *see* Schock, H.-W. 9—61994
Pflaum, E., Kugler, R. Low-noise high voltage circuit-breakers 9—94401
Pflumm, H. *see* Beer, A. 9—49920
Pfundner, P. Natural oscillations of kinked rods 9—98649
Pfurtscheller, G., Aranibar, A. Evaluation of event-related desynchronization (ERD) preceding and following voluntary self-paced movement 9—96531
Pfutzner, H. *see* Gasch, R. 9—81783
Phadke, S.D. Space-charge-limited currents and carrier trapping in plasma-polymerized malononitrile films 9—51687
Phalippou, J. *see* Pelous, J. 9—51972
Phalswal, D.R., Varma, N.L. Propagation of TM modes in a parallel plane waveguide filled with moving collisional plasma 9—82072
Pham Dinh-Lien *see* Dinh-Lien Pham
Pham Gia Ngi *see* Karpov, I.I. 9—78719
Phan, T. *see* Hung, R.J. 9—70851
Phan Kieu Duong *see* Kieu Duong Phan
Phan Xuan Ho *see* Platchkov, S.K. 9—93541
Phan-Thien Nhan *see* Nhan Phan-Thien
Phaneuf, R.A. *see* Crandall, D.H. 9—59559
Phaneuf, R.A. *see* Gregory, D. 9—94087
Phaneuf, R.A. *see* Meyer, F.W. 9—59560
Pharabod, F. *see* Etievant, C. 9—100490
Pharok, M. *see* Meyrueis, P. 9—88213
Pharr, G.M., Nix, W.D. A numerical study of cavity growth controlled by surface diffusion 9—90668
Phasad, B. *see* Rao, A.U. 9—100904
Phasinkin, A.S., Malkova, A.S., Fedorov, V.A., Rodionov, A.V., Sveshnikov, Yu.N. Use of partial pressure diagrams to represent the thermodynamics of preparation of InAs from the gas phase 9—79279
Phat Nguyen Tan *see* Nguyen Tan Phat
Phatak, S.B., Kelner, G. Material-selective chemical etching in the system InGaAsP/InP 9—70188
Phelan, J. *see* De Clercq, C. 9—89188
Pheline, J. *see* Clemot, M.G. 9—100489
Pheline, M.J. *see* Devin, M.B. 9—57368
Phelps, J.P. *see* Brown, G.J. 9—49877
Phelps, J.S. *see* Siewert, C.E. 9—53980
Phelps, M.E., Hoffman, E.J., Sung-cheng Huang, Kuhl, D.E. Design considerations in positron computed tomogram (PCT) 9—66525
Phelps, M.E. *see* Highfill, R.R. 9—53222
Phil Won Yu, Park, Y.S. Photoluminescence in Mn-implanted GaAs-An explanation on the 1.40-eV emission 9—56842
Philbrick, J.W. *see* Deines, J.L. 9—77929
Philbrook, J. *see* Hendrickson, J.R. 9—75675
Philen, D.L., Watson, R.T., Davis, D.D. A quantum yield determination for $O(^1D)$ production from ozone via laser flash photolysis 9—53492
Philip, A.G.D. *see* Hayes, D.S. 9—62829
Philip, A.G.D. *see* Sanduleak, N. 9—58405
Philip, J. *see* Viswanathan, K.S. 9—77460
Philipott, J., Sengers, I. Optical activity of nonrigid molecules 9—86010
Philipp, A., Luders, K., Kramer, K.D. On RF-magnetoresistance and flux flow resistivity of NbTi 9—61002
Philipp, G., Pfister, H., Pauly, H. Occupational dose from natural radionuclides in phosphate fertilizers 9—100751
Philipp, H.R. The infrared optical properties of SiO_2 and SiO_2 layers on silicon 9—56780
Philipp, H.R., Levinson, L.M. High-temperature behavior of ZnO-based ceramic varistors 9—56231
Philipp, H.R. *see* Mahan, G.D. 9—78192
Philippe, M., Masnou-Seeuws, F., Valiron, P. Model-potential method for the calculation of atom-rare-gas interactions: application to the Na-Ne system 9—86036
Philippidis, C., Dewdney, C., Hiley, B.J. Quantum interference and the quantum potential 9—80466
Philippin, G.A. A minimum principle for the problem of torsional creep 9—75337
Philippoff, W. *see* Racano, R. 9—64619
Philippon, B., Briere, J. Absorbed dose to ovaries and uterus during ^{131}I-treatment of hyperthyroidism: comparison between in vivo TLD measurements and calculations 9—79656
Philippot, E., Benmiloud, L., Maurin, M., Moret, J. Five coordination of tellurium(IV) atom by oxygen atoms. Crystal chemistry study of a mixed oxotellurate: $NH_4[Te^{IV}Te^{VI}O_5(OH)]$ 9—99130
Philippot, E., Maurin, M., Moret, J. Crystallographic study of sodium tellurite with five water molecules, $Na_2Te^{IV}O_2.5H_2O$ 9—69069
Philippot, E. *see* Colombet, P. 9—52636
Philippot, E. *see* Jumas, J.C. 9—99137
Philippova, V.V. *see* Boos, E.G. 9—89203
Philips, C.M. *see* Durrant, J.D. 9—67342
Philips, D.H. *see* Hay, P.J. 9—97987
Philipsborn, H.von *see* von Philipsborn, H.
Phillies, G.D.J. On the contribution of direct intermacromolecular interactions to the viscosity of a suspension of hard spheres 9—95199
Phillip, J. *see* Viswanathan, K.S. 9—77458
Phillipp, F., Saile, B., Schmid, H., Urban, K. Energy and orientation dependence of atom displacement in BCC metals studied by high-voltage electron microscopy 9—99244
Phillipps, S. Correlation analyses of deep galaxy samples 9—67104
Phillips, A., Chong-Won Lee Yield surfaces and loading surfaces. Experiments and recommendations 9—90146
Phillips, A.C. The properties and interactions of three-nucleon systems 9—71805
Phillips, A.C. *see* Managoli, V. 9—75956
Phillips, A.W. *see* Banks, R.D. 9—74595
Phillips, B.A. *see* Barton, J.R. 9—67032
Phillips, B.O. *see* Bergmann, C.A. 9—54557
Phillips, C.A., Cox, T.L. Nonhomogeneity of the myocardium: effects on left ventricular circumferential stress distribution 9—92267
Phillips, C.A. *see* Petrofsky, J.S. 9—83883
Phillips, C.R. *see* Busigin, A. 9—66563
Phillips, D. *see* Ghiggino, K.P. 9—67390
Phillips, D. *see* Lewis, G.J. 9—58715
Phillips, D.H. *see* Kuhlmann, G.J. 9—61772
Phillips, D.S., Schiff, H. Relation between 'spin' and 'orbital' angular momenta in classical fields 9—67170
Phillips, E. *see* Wu, C.Y.R. 9—94041
Phillips, G. *see* Wilson, H.R. 9—74678
Phillips, G.C. *see* Hoftiezer, J.H. 9—85509
Phillips, G.C. *see* Pipin, G.P. 9—85316
Phillips, G.J. Future developments in nuclear power 9—85759
Phillips, G.W. A fast approximation to the complementary error function for use in fitting gamma-ray peaks 9—93903
Phillips, J.C. Structure of amorphous $(Ge,Si)_{1-x}Y_x$ alloys 9—55666
Phillips, J.C. Slow-electron-stimulated desorption from oxides: theoretical models of selected experiments 9—60623
Phillips, J.C. *see* Lemons, R.A. 9—65949
Phillips, J.G., Davis, S.P. The γ system of zirconium oxide 9—50029
Phillips, J.M. *see* Livingston, W.H., Jr. 9—98257
Phillips, J.P., Wade, R., Selby, M.J., Magro, C.S. JHKLM photometry of Nova Cygni 1978 9—53828
Phillips, J.R., Hsue, S.T., Hatcher, C.R., Kaieda, K., Medina, E.G. Nondestructive assay of highly enriched spent fuel 9—89522
Phillips, J.R. *see* Barnes, B.K. 9—49688
Phillips, J.S. *see* Baer, T. 9—66274
Phillips, J.W. *see* Costello, G.A. 9—50581
Phillips, L.N. *see* Yates, B. 9—55909
Phillips, M. *see* Lipschultz, B. 9—73029
Phillips, M.C. *see* Graham, D.E. 9—79460, 9—79461, 9—79462
Phillips, M.E., Smith, F.A. Intrasource absorption and scattering effects in the angular correlation of gamma rays 9—97958
Phillips, M.G.R., Pugatschew, A.A. Diagnostics of dense argon plasmas by two-wavelength optical absorption 9—98978
Phillips, M.M. A compilation of oscillator strengths for selected Fe II transitions 9—59398
Phillips, M.M., Feldman, F.R., Marshall, F.E., Wamsteker, W. ESO 103-G35: A new Seyfert galaxy and possible X-ray source 9—88741
Phillips, M.M., Hawley, S.A. The redshift of the QSO PKS 1158+007 9—58440
Phillips, N.E. *see* Fogle, W.H. 9—61164
Phillips, N.E. *see* Hermans, F. 9—56383
Phillips, N.J. White light holography 9—50257

Phillips, N.J. Modes of holographic image formation—major areas of progress in the various regimes 9—50259
Phillips, P. *see* Gentle, K.W. 9—90442
Phillips, P. *see* Mestel, L. 9—84813
Phillips, P. *see* Stinnett, R. 9—60196
Phillips, P.R. Magnetic shielding in a low temperature torsion pendulum experiment 9—88988
Phillips, R.E. *see* Aguilar, F. 9—59194
Phillips, R.J., Ivins, E.R. Geophysical observations pertaining to solid-state convection in the terrestrial planets 9—84692
Phillips, R.J.N. On b-flavour production by neutrinos 9—75720
Phillips, R.J.N. On t-flavour production by neutrinos 9—93371
Phillips, R.J.N. *see* Barger, V. 9—49461, 9—93429
Phillips, R.W. *see* Wren, A.G. 9—79288
Phillips, S.L. *see* McLean, D.A. 9—74432
Phillips, S.M. Composite quarks and hadron-lepton unification 9—67509
Phillips, S.V. *see* Partidge, G. 9—78925
Phillips, T.G., Huggins, P.J., Wannier, P.G., Scoville, N.Z. Observations of CO(J=2-1) emission from molecular clouds 9—92827
Phillips, T.G. *see* Dolan, G.J. 9—51722
Phillips, T.G. *see* Wannier, P.G. 9—62931
Phillips, T.J. *see* Johnson, J.R. 9—63838
Phillips, T.L. *see* Goldstein, L.S. 9—62309
Phillips, T.W., Berman, B.L., Faul, D.D., Calarco, J.R., Hall, J.R. ^{4}He (γ,p)-to-(γ,n) cross-section ratio 9—67743
Phillips, W.A. *see* Jones, D.P. 9—65213
Phillips, W.A. *see* Thomas, N. 9—65214
Phillips, W.D. *see* Crampton, S.B. 9—50155
Phillips, W.D. *see* Davis, W.A. 9—59397
Phillips, W.L. *see* Weimer, R.J. 9—74255
Phillips, W.M., Rosenberg, G., Donachy, J., Pierce, W.S. An artificial heart 9—84016
Phillips, W.R. *see* Franey, M.A. 9—85355
Philpott, D.E. *see* Kraft, L.M. 9—66489
Philpott, M.R. *see* Brillante, A. 9—91460, 9—91461
Philpott, M.R. *see* Gordon, J.G., II 9—76836
Philpott, M.R. *see* Pockrand, I. 9—69569
Philpott, R.J. *see* Halderson, D. 9—67684
Phinney, D. *see* Macdougall, J.D. 9—58305
Phinney, D.L. *see* Reynolds, J.H. 9—62796
Phinney, R.A. *see* Leary, P.C. 9—57863
Phoenix, S.L. *see* Harlow, D.G. 9—87716
Phong-Anant, D. *see* Antonia, R.A. 9—70843
Photinos, D.J. *see* Collings, P.J. 9—64987
Photinos, P.J., Saupe, A. An extension of the Lennard-Jones and Devonshire model to liquid crystalline phases 9—94883
Phua, K.K. *see* Chew, C.K. 9—49514, 9—89124
Phua, K.K. *see* Hoang, T.F. 9—49540, 9—93474
Phukan, B.D. *see* Chalmers, I.D. 9—82112
Phutela, R.C. *see* Clarke, P.H. 9—58688
Phythian, R. *see* Jouvet, B. 9—58585
Pi So-Young *see* So-Young Pi
Piacente, V. Dissociation energy of gaseous aluminum arsenide 9—81301
Piacente, V. *see* Ferro, D. 9—60496
Piacente, V. *see* Matousek, J. 9—74464
Piacentini, M. *see* Antonangeli, F. 9—65976
Piacentini, M. *see* Bellini, S. 9—53276, 9—70686
Piacentini, M. *see* Doni, E. 9—65376
Pian, C.C.P. *see* Greywall, M.S. 9—83605
Piana, F. *see* Giordano, P. 9—97875
Pianetta, P. *see* Garner, C.M. 9—74272
Pianetta, P. *see* Skeath, P. 9—100019
Pianetta, P. *see* Spicer, W.E. 9—60637
Pianetta, P. *see* Stohr, J. 9—95876
Piani, C.S.B. *see* Aspeling, J. 9—69161
Piano, A. *see* Bonino, G. 9—66739
Piano-Mortari, G. *see* Esposito, B. 9—63489
Piantelli, F. *see* Bergamini, P.G. 9—76254
Piasecka, A., Tekiel, P. Unfluence of a weak pinning on the magnetic field distribution in II-type superconductor with a current 9—65622
Piasecki, M.A.J., van Breemen, O. A Morarian age for the 'younger Moines' of central and western Scotland 9—53328
Piasetzky, E. *see* Kapon, E. 9—67667
Piatek, B. Electroluminescent diodes on the base $A^{II}B^{VI}$ compounds with wide energy gap 9—91501
Picard, C., Kleppa, O.J., Boureau, G. High temperature thermodynamics of the solutions of hydrogen in palladium-silver alloys 9—65216
Picard, C. *see* Kleppa, O.J. 9—99334
Picard, J., Guillot, M., Le Gall, H., Leycuras, C., Feldmann, P. Magnetic properties of a single NdF_3 crystal between 2 and 4.2K 9—61039
Picard, J., Le Gall, H., Guillot, M., Leycuras, C., Feldmann, P. Faraday rotation in CeF_3 and NdF_3 9—65841
Picard, J. *see* Balestri, B. 9—75794, 9—85530
Picart, J. *see* Edmonds, A.R. 9—89639
Picasso, E. *see* Combley, F. 9—58539
Picasso, E. *see* Jacopini, E. 9—97291
Picat, J.P., Felenbok, P., Fort, B. Polarization of the green line observed at the 1973 June 30 total solar eclipse 9—66969
Piccardo, G.B. *see* Ottonello, G. 9—62488
Picciarelli, V. *see* Evangelista, C. 9—75788, 9—80843
Piccinin, A. *see* Wegria, J. 9—79004
Piccinini, M. *see* Bertin, A. 9—86090, 9—89811
Piccioni, A. *see* Bartolini, C. 9—67024
Picciotto, C. Polarization asymmetries in pion-proton radiative scattering 9—89184
Piccolo, E. *see* De Mori, R. 9—59877
Piccolo, M., Peruzzi, I., Rapidis, P.A., Barbaro-Galtieri, A., Feller, J.M., Luke, D., Vuillemin, V., Dorfan, J.M., Ely, R., Feldman, G.J., Fong, A., Gobbi, B., Hanson, G., Jaros, J.A., Kwan, B.P., Lecomte, P., Litke, A.M., Madaras, R.J., Miller, D.H., Parker, S.I., Pun, T.P., Ronan, M.T., Ross, R., Scharre, D.L., Trippe, T.G., Yount, D.E. Inclusive production of D and K mesons in e^+e^- annihilation 9—93439
Piccolo, M. *see* Rapidis, P.A. 9—75780
Piccolo, R. A note on the photomagnetoelectric effect 9—51629
Picek, I. *see* Galic, H. 9—80780
Pichamuthu, J.P., Sinha, U.N. Rate analysis of the pulsed collinearly pumped far-infrared amplifier 9—81408
Pichard, C. *see* Tellier, C.R. 9—78224, 9—95516
Pichard, C.R., Tellier, C.R. Linearization of polycrystalline film gauge factors 9—78209
Pichaud, B., Minari, F. Further topographic observations of zigzag stress-induced dislocations in copper crystals 9—99205
Pichaud, B. *see* Kellerhals, J. 9—82226
Piche, L. Echoes and electric dipole echoes in glasses at low temperatures 9—69771
Piche, L. *see* Bernard, L. 9—61299, 9—78616
Piche, M. *see* Coulombe, R. 9—98425
Pichkov, S.N. *see* Gagarin, Yu.A. 9—57078
Pichkov, S.N. *see* Sokolov, L.D. 9—52300
Pichler, H. Philips Multimeter PM 2517 9—49220
Pichler, M.A. *see* Miaw, L.-H.L. 9—74434
Pichler, S. *see* Billan, J. 9—72049
Pichugin, A.P. *see* Biryukov, Yu.A. 9—89332
Pichurin, I.I. *see* Chelyshev, V.V. 9—57169
Pick, G.F. A study of frequency transitions in cat vocalizations 9—96570
Pick, M.A., Davenport, J.W., Myron Strongin, Dienes, G.J. Enhancement of hydrogen uptake rates for Nb and Ta by thin surface overlayers 9—82345
Pick, R.J., Brown, K., Plumtree, A. Techniques in the study of impact and sliding wear of Zircaloy-4 9—74337
Pick, R.M. *see* Hennion, B. 9—60446
Pick, S. Singular potentials and perturbation theory 9—63060
Pick, S. *see* Tomasek, M. 9—56278
Pickard, D.K., Tory, E.M. The radial distribution function of hard rods 9—86663
Pickard, D.K. *see* Welberry, T.R. 9—73118
Pickard, G.L. Descriptive physical oceanography, 3rd edition (in SI units) 9—100872
Pickard, P.S. *see* Hitchcock, J.T. 9—93777
Pickard, R.S., Joseph, P.L., Collins, A.J., Hicks, R.C.J. Flexible printed-circuit probe for electrophysiology 9—84049
Pickart, S. *see* Niculescu, V. 9—65762
Pickart, S.J. *see* Alperin, H.A. 9—78314
Pickering, C. *see* Astles, M.G. 9—99640
Pickering, W.M., Sozou, C. The round laminar jet in a spherical envelope 9—94693
Pickett, A.M., Lester, J.C. The design and construction of a radio-frequency interference enclosure for the Coulter Counter 9—96721
Pickett, G.R. *see* Alexander, P.W. 9—86952
Pickett, H.M. The physical basis for absorption of light 9—59396
Pickett, H.M., Boyd, T.L. The millimeter wavelength spectrum of diatomic sulfur 9—63987
Pickett, P.E., Taylor, M.F., McEligot, D.M. Heated turbulent flow of helium-argon mixtures in tubes 9—59975
Pickett, W.E. The generalised pseudoatom potential in solids: relation to screening and lattice dynamics 9—60736
Pickett, W.E., Ho, K.M., Cohen, M.L. Electronic properties of Nb_3Ge and Nb_3Al from self-consistent pseudopotentials. I. Band structure and density of states 9—69401
Pickett, W.E. *see* Ho, K.M. 9—69054
Pickhardt, V.Y. *see* Smith, D.L. 9—66012
Pickles, W.L., McClure, J.W., Howell, R.H. Use of a non-linear method for including the mass uncertainty of gravimetric standards and system measurement errors in the fitting of calibration curves for XRFA with freeze-dried UNO_3 standards 9—87931
Pickles, W.L. *see* Wong, C.M. 9—81053
Pickup, C. *see* Bedding, S. 9—54028
Pickup, D.A. Periodic Comet Schwassmann-Wachmann 3 (1979g) 9—92719
Pickup, G., Rieger, W.A. A conceptual model of the relationship between channel characteristics and discharge 9—74907
Pickup, G.A. *see* Jelinek, J. 9—52415
Picoche, J.C., Rub, P., Schneider-Muntau, H.-J. The high field magnet laboratory of Grenoble 9—71495
Picologlou, B.F., Cope Moorhead, L. Rheogoniometric determination of human vitreous viscoelasticity 9—92266
Picone, P.J., Clark, P.E. Mossbauer measurements on lattice and interstitial iron atoms in $Fe_{1+x}Sb$ alloys 9—99807
Picot, A. Long-lived rotating targets 9—89513
Picot, B. *see* Lohneysen, H.Y. 9—65212
Picot, C. *see* Boue, F. 9—50956
Picot, C. *see* Mamy, J. 9—52677
Picot, C. *see* Nierlich, M. 9—77484
Picot, P. *see* Monaco, A. 9—62482
Picque, J.L. Radiation-induced modification of the atomic momentum distribution in a travelling-wave resonant light field 9—72280
Picque, J.L., Vetter, R. Absorption line-narrowing experiment between atoms of two different species 9—89973
Picraux, S.T. *see* Kant, R.A. 9—55766
Pict, H.-P. *see* Westmeier, S. 9—77763
Picton, D.C.A. *see* Wills, D.J. 9—57686
Piddington, J.H. The closed model of the Earth's magnetosphere 9—53668
Pidduck, A. *see* Hall, P.G. 9—60643
Pidek, D. *see* Pollack, J.B. 9—84717
Pidek, D.G. *see* Jones, K.L. 9—80265
Pidgeon, C.R., Colles, M.J. Recent developments in tunable lasers for spectroscopy 9—64270
Pidgeon, C.R., Wherrett, B.S., Johnston, A.M., Dempsey, J., Miller, A. Two-photon absorption in zinc-blende semiconductors 9—78679
Pidgeon, R.T., Kalsbeek, F. Dating of igneous and metamorphic events in the Fiskenaesset region of southern west Greenland 9—84250
Pidgirnyak, Ya.E. *see* Vnuchkov, G.A. 9—80073
Piech, K.R., Schott, J.R., Stewart, K.M. The blue-to-green reflectance ratio and lake water quality 9—53376
Piech, K.R. *see* Bufton, J.L. 9—100945
Piechocki, W. *see* Dabrowski, J. 9—67681, 9—93035
Piechowski, A.P., Bird, G.R. Supersensitized photoconductance with two chromophorically degenerate dyes 9—61887
Piehler, H.R. *see* Semiatin, S.L. 9—57061, 9—57062
Piekara-Sady, L. *see* Zboinski, K. 9—78602
Piekarczyk, W., Weppner, W., Rabenau, A. Solid state electrochemical study of phase equilibria and thermodynamics of the ternary system Y-Fe-O at elevate temperatures 9—56967
Piekarczyk, W., Weppner, W., Rabenau, A. Thermodynamic properties of $DyFeO_3$ and $Dy_3Fe_5O_{12}$ 9—77771
Piekarz, H. *see* Bedjidian, M. 9—63621, 9—85393
Piekarz, J. *see* Bedjidian, M. 9—63621, 9—85393
Piel, A., Richter, H. The role of hydrogen molecular lines in the vicinity of H_β 9—60199
Piel, A. *see* Mobius, E. 9—60198
Piel, A. *see* Murray, H. 9—82685
Piel, H. *see* Arnolds, G. 9—72009
Piela, L., Andzelm, J. Madelung and dispersion contributions to the binding energy of an ion on the unrelaxed (100) and (110) faces of the NaCl-type crystal 9—77550
Piela, L. *see* Golka, J. 9—95787
Piela, L. *see* Stolarczyk, L.Z. 9—85918
Pielke, R.A. Another horizontal funnel cloud 9—66747
Piemontese, L. *see* Fidecaro, G. 9—85343
Pieper, H., Schafer, H.J. Contactless measurement of speed and length in rolling mills 9—72614
Pieranski, P., Strzelecki, L., Friedel, J. Observation of edge dislocations in ordered polystyrene latexes 9—96370
Pieranski, P. *see* Guyon, E. 9—77501
Pierantoni, F. *see* Castelli, G. 9—97800
Pierazzini, G.M. *see* Angelini, C. 9—67548
Pierazzini, G.M. *see* Apel', V.D. 9—89194
Pierazzini, G.M. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Pierce, D.T. *see* Wang, G.-C. 9—60233
Pierce, J. *see* Yamada, H. 9—93648
Pierce, J.N., Willson, L.A., Beavers, W.I. Radial-velocity observations of long-period variables 9—88684
Pierce, J.N. *see* Beavers, W.I. 9—71072
Pierce, J.R. Optical channels: practical limits with photon counting 9—50234
Pierce, P.E., Kovac, Z., Higginbotham, C. The kinetics and mechanism of film growth during the electrodeposition process 9—52685
Pierce, T.B. *see* Cookson, J.A. 9—87913
Pierce, W.S. *see* Phillips, W.M. 9—84016
Piercey, R.B., Ramayya, A.V., Ronningen, R.M., Hamilton, J.H., Maruhn-Rezwani, V., Robinson, R.L., Kim, H.J. In-beam gamma-ray spectroscopy of ^{74}Se following the ^{60}Ni(^{16}O,2p), ^{64}Ni(^{12}C,2n) and ^{65}Cu(^{11}B,2n) reactions 9—54393
Piercey, R.B. *see* de Lima, A.P. 9—54377
Piercy, J.E. *see* Daigle, G.A. 9—98525
Pieri, D. *see* Morrison, D. 9—96951
Pierini, G.C. A consistent homogenization procedure to obtain few-group cell parameters 9—85586
Pierluissi, J.H., Tomiyama, K., Gomez, R.B. Analytical determination of the transmission functions in the LOWTRAN code 9—58095
Pierluissi, J.H., Tomiyama, K., Gomez, R.B. Analysis of the Lowtran transmission functions 9—76400

Piermarini, G.J. *see* Munro, R.G. 9–82023
Piero, G.Del *see* Del Piero, G.
Pieroni, L. Status report on the FT Tokamak 9–99004
Pieroni, L. *see* Ascoli-Bartoli, U. 9–60170
Pieroni, O. *see* Ciardelli, F. 9–55014
Pierotti, D. *see* Balocchi, R. 9–70635
Pierotti, D. *see* Saunders, W.D. 9–79430
Pierotti, R.A. *see* Levy, A.C. 9–73395
Pierotti, R.A. *see* Rybolt, T.R. 9–65312
Pierrard, J.M. *see* Clermont, J.R. 9–60028
Pierre, A.-C. Ceramic-ceramic composites. High temperature, high performance materials for the future 9–83166
Pierre, C.C.St. *see* St. Pierre, C.C.
Pierre, D.A. *see* Aspnes, J.D. 9–52943
Pierre, J., de Combarieu, A., Lagnier, R. Specific heat, magnetisation and stability of canted structure in GdMg and related compounds 9–78412
Pierre, L.E.St. *see* St. Pierre, L.E.
Pierrehumbert, J. The perception of fundamental frequency declination 9–90091
Pierret, R.F. *see* Lo, F.C. 9–78178
Pierson, A.H. Know your monochromator 9–90006
Pierson, E.S. *see* Branover, H. 9–60070
Piertrzyk, B. *see* Bertini, R. 9–85565
Pierucci, M., Graham, T.S. A study of bending waves in fluid-loaded thick plates 9–72748
Piesch, E. *see* Nollmann, C. 9–63821
Piestrup, M.A. *see* Rothbart, G.B. 9–59784
Piet, P. *see* Heikens, D. 9–57088
Pietarinen, E. *see* Ali, A. 9–49459, 9–75743
Pieterse, M.M.J., Sluyters-Rehbach, M., Sluyters, J.H. Ellipsometry at a spherical object and its application to the determination of the optical constants of mercury from the mercury-air interface 9–61326
Pietrafesa, L.J., Janowitz, G.S. A note on the identification of a Gulf Stream spin-off eddy from Eulerian data 9–96834
Pietrass, B. *see* Berthel, K.H. 9–56193
Pietraszkiewicz, K. Determination of the optimal reference sphere 9–89859
Pietraszkiewicz, K., Zajac, M. Transfer function of coherent optical systems with quadratic detection 9–72504
Pietraszkiewicz, W. Consistent second approximation to the elastic strain energy of a shell 9–81732
Pietrewicz, A.T., Kamil, A.C. Search image formation in the blue jay (Cyanocitta cristata) 9–83789
Pietri, C.E., Paller, J.S., Bingham, C.D. The chemical and isotopic analysis of uranium, plutonium and thorium in nuclear fuel materials 9–81046
Pietronero, L., Strassler, S., Zeller, H.R. The microwave conductivity of solid electrolytes 9–55929
Pietronero, L., Strassler, S., Zeller, H.R. Nonlinear screening in layered semimetals 9–60746
Pietronero, L., Strassler, S., Zeller, H.R., Rice, M.J. Charge distribution and transport properties of graphite-acceptor lamellar compounds 9–95411
Pietrowicz, J.A., Schiermeier, F.A. Observational evidence of systematic radiosonde temperature sensing anomalies 9–70864
Pietruschka, F. *see* Zierold, K. 9–100798
Pietruszka, W.D. On periodic solutions of systems with friction 9–90199
Pietruszkiewicz, J. Optimum design conditions for a power plant at a vapor dominated geothermal resource, Pacific Gas and Electric's The Geysers Power Plant Unit 16 9–52877
Pietrzak, J., Ostafin, M., Januszczyk, M. NQR study of zone melting purification of p-dichlorobenzene 9–91583
Pietrzak, J., Trafas, R. Static analysis of cable-bar trusses 9–98609
Pietrzak, R. Investigation of time changes of the Hall voltage in inhomogeneous Zr-H systems 9–87080
Pietrzak, R., Rozenfeld, B. Temperature dependence of effective electromigration charge of tritium in titanium 9–90826
Pietrzyk, B. *see* Bertini, R. 9–63623
Pietrzyk, B. *see* Faessler, M.A. 9–93664
Pietrzyk, J. *see* Brawuski, J. 9–94572
Pietrzyk, J. *see* Gorczyca, S. 9–95026
Pietrzyk, Z.A. *see* Brooks, R.D. 9–60160
Pietrzyk, Z.A. *see* Watt, R.G. 9–60112
Pietsch, R. *see* Hoffmann, D. 9–80655
Pietsch, U. *see* Berger, H. 9–65206
Pietsch, W.J. *see* Braid, T.H. 9–60414
Piette, J., Calberg-Bacq, C.M., Van de Vorst, A. Influence of the DNA structure on the free radical induction due to proflavine and light treatment 9–100573
Pifer, A.E. *see* Sulak, L. 9–59317
Pifer, J.H. *see* Greenblatt, M. 9–87309
Piffard, Y., Tournoux, M. Structure of pyrochlore, $Tl_{0.51}Sb_{0.71}^{III}Sb_{1.29}^{V}O_{6.32}$ 9–69079
Piffaretti, J., Corfu, R., Egger, J.-P., Gretillat, P., Lunke, C., Schwarz, E., Perrin, C., Preedom, B. Local energy shift effects in the π^+ and π^- inelastic scattering from ^{12}C 9–85511
Piffaretti, J. *see* Boudrie, R.L. 9–85540
Piffaretti, J. *see* Corfu, R. 9–85538
Piffaretti, J. *see* Cottingame, W.B. 9–85535
Piffaretti, J. *see* Ellis, R.J. 9–85365
Piffaretti, J. *see* Lunke, C. 9–85537
Piffaretti, J. *see* Morris, C.L. 9–93505
Piffaretti, J. *see* Preedom, B.M. 9–97677
Pigaga, A.K. *see* Yagminas, A.I. 9–91851
Pigeon, J. *see* Meunier, J.P. 9–72674
Pigeon, R., Rioux, C., das Gupta, S.S., Slobodrian, R.J. New results in the search of high energy deuterons from the $^3He+^3He$ reaction 9–76012
Pigeon, R., Slobodrian, R.J. The search for high-energy deuterons in the $^3He+^4He$ reaction 9–93639
Pigeon, R. *see* Slobodrian, R.J. 9–59602, 9–68106, 9–71861
Pigford, T.H. Radioactivity in stored coal ash and in nuclear power waste 9–89417
Pigg, J.L. *see* Close, D.A. 9–85692
Piggins, J. *see* Fulton, J. 9–83980
Pighini, U. *see* Brutti, C. 9–86145
Pignanelli, M. *see* De Leo, R. 9–89304
Pignanelli, M. *see* Fabrici, E. 9–93633
Pignedoli, A., Peyronel, G. The crystal and molecular structure of chloro(2,4-dithiobiuret)copper(I)-N,N-dimethylformamide: $[Cu(Hdtb)Cl]_n.nDMF$ 9–99170
Pignolet, P., Bouchoule, A., Davy, P., Dubreuil, B., Wackherr, P. Shifts of the n=4 hydrogen and 3^3D helium levels induced by TEA CO_2 laser radiation 9–98036
Pigozzi, D. Some geometric and kinematic properties of precession motion 9–63009
Pigul'skii, S.V. *see* Baranov, V.Yu. 9–94207, 9–94208
Piguzov, Yu.V., Drapkin, B.M., Ivanov, Yu.N., Platonov, S.I. Kinetics of ordering in ferritic gray cast iron 9–100136
Piguzov, Yu.V. *see* Fedorov, G.M. 9–52201
Piip, V.B. The inverse case of the seismic reflected-wave method for media with variable seismic wave velocities 9–84525
Piiparinen, M., Lunardi, S., Kleinheinz, P., Backe, H., Blomqvist, J. High spin isomers in ^{151}Dy 9–49573
Piiparinen, M. *see* Hammaren, E. 9–63576
Pijlgroms, B.J. *see* van Apeldoorn, G.W. 9–89177
Pikalov, V.V. *see* Kitaeva, V.F. 9–55113
Pikashov, V.S., Erinov, A.E., Klevchishkin, V.A. Sighting device for radiation pyrometers 9–71455
Pikashov, V.S. *see* Klevchishkin, V.A. 9–57165
Pike, C.P., Dandekar, B.S. Evening auroral oval dynamics from DMSP photographs 9–96853
Pike, E.R. *see* Brown, R.G.W. 9–50827, 9–55434
Pike, E.R. *see* McWhirter, J.G. 9–60081
Pike, G.E., Seager, C.H. The DC voltage dependence of semiconductor grain-boundary resistance 9–82597
Pike, G.E. *see* Seager, C.H. 9–91559
Pikel'ni, V.F. *see* Abakumov, G.A. 9–98353
Pikhtelev, R.N. *see* Aleksanyan, A.S. 9–68133
Pikhtin, A.N. *see* Berndt, V. 9–51527
Pikhtin, A.N. *see* Glinskii, G.F. 9–73447
Pikin, S.A. *see* Bobylev, Y.P. 9–94878
Pikin, S.A. *see* Tikhomirova, N.A. 9–94899
Pikka, T.A., Tamm, E.A., Fridkin, V.M. Sensitised photolysis in antimony sulphide layers 9–100418
Pikulenko, A.L. *see* Kozhina, I.I. 9–95188
Pikulik, L.G. *see* Pavlovich, V.S. 9–85970
Pikulik, L.G. *see* Rudik, K.I. 9–85990
Pikus, G.E. *see* Asnin, V.M. 9–73542
Pikus, G.E. *see* Ivchenko, E.L. 9–65392
Pikus, G.E. *see* Vorob'ev, L.E. 9–65830
Pikuz, S.A. *see* Boiko, V.A. 9–64908, 9–72230, 9–90468, 9–93948
Pikuz, S.A. *see* Getts, K. 9–68953
Pil', G.I., Tyurmina, L.O. Method for determining the components of the geomagnetic field intensity vector from its absolute value 9–53534
Pilachowski, C.A. Observations of carbon monoxide in metal-deficient stars 9–58336
Pilachowski, C.A. Four-colour photometry of marginal barium stars 9–58337
Pilat, E.E. *see* Cacciapouti, R.J. 9–59150
Pilat, M. *see* Zaluzny, M. 9–95869
Pilat, M.J. *see* Prem, A. 9–57525
Pilat, M.J. *see* Thielke, J.F. 9–74566
Pilati, T. *see* Bianchi, R. 9–68972
Pilatte, A. *see* Dugnoille, B. 9–60999
Pilawski, A. Dielectric hysteresis loop of desoxyribonucleic acid DNA 9–83691
Pilcher, C.B. The stability of water on Io 9–53756
Pilcher, C.B., Morgan, J.S., Macy, W.W., Kunkle, T.D. Methane band limb-brightening on Uranus 9–84742
Pilcher, C.B., Schempp, W.V. Jovian sodium emission from region C_2 9–53758
Pilcher, J.E. *see* Anderson, K.J. 9–67612
Pilcher, J.E. *see* Branson, J.G. 9–89211
Pilcher, J.E. *see* Hogan, G.E. 9–63552
Pilcher, J.E. *see* Newman, C.B. 9–63553
Pilcher, J.R. *see* Pearson, G.W. 9–96840
Pile, P.H., Bent, R.D., Pollock, R.E., Debevec, P.T., Marrs, R.E., Green, M.C., Sjoreen, T.P., Soga, F. Energy dependence of pion production by protons on nuclei 9–63667
Pilet, J.C., Le Traon, A. Determination of the dielectric permittivity with a miniaturised cell. Application to carboranes $HC(B_{10}H_{10})CH$ 9–71480
Piliashvili, T.S. *see* Elashvili, Z.M. 9–86682
Pilipenko, A.V. *see* Zavada, N.I. 9–99245
Pilipenko, V.A. *see* Feygin, F.Z. 9–75051
Pilipenko, V.N. Simulation of turbulent flows in dilute polymer solutions 9–98767
Pilipenko, V.N. *see* Pavlenkova, N.I. 9–84528
Pilipenko, V.N. *see* Sedov, L.I. 9–98802
Pilipenko, V.N. *see* Yoselevich, V.A. 9–77098
Pilipenko, Yu.K. *see* Belushkina, A.A. 9–63324
Pilipetskii, N.F., Makshantsev, B.I., Kovalev, A.A., Agranat, M.B., Golubtsov, A.A., Savanin, S.Yu., Stonik, O.G. Pre-breakdown optical phenomena in solid transparent dielectrics induced by coherent radiation 9–86207
Pilipetskii, N.F. *see* Blashchuk, V.N. 9–86217
Pilipovich, V.A. *see* Guk, A.V. 9–94182
Pilipovich, V.A. *see* Kuz'michev, A.A. 9–64184
Pilipp, W. *see* Gurnett, D.A. 9–80182
Piliya, A.D. RF-heating in stationary systems 9–98930
Piliya, A.D. *see* Kozyren, A.N. 9–55489
Pilla, O. *see* Montagna, M. 9–95374
Pillai, C.K. *see* Pillai, P.K.C. 9–56288, 9–60872, 9–80712
Pillai, K.C. *see* Paul, A.C. 9–57510
Pillai, K.M. *see* Ort, M.G. 9–62349
Pillai, P.K.C., Chandrasekhar, S. The dependence of photoconducting properties on the composition and binder content of the HgI_2:CdS mixed system 9–51625
Pillai, P.K.C., Chandrasekhar, S. High field conduction in a double layer polymeric photoreceptor 9–95448
Pillai, P.K.C., Nair, P.K., Nath, R. Evaluation of very low frequency dielectric loss factor in poly(vinyl cinnamate) 9–82919
Pillai, P.K.C., Pillai, C.K., Mendiratta, R.G. Xerographic characteristics of doped and undoped ZnCdS binder layers 9–56288
Pillai, P.K.C., Pillai, C.K., Mendiratta, R.G. Space-charge polarisation in ZnO photoconductors 9–60872
Pillai, P.K.C., Pillai, C.K., Mendiratta, R.G. Effects of different binders on electrophotographic characteristics of ZnCdS:Cu 9–80712
Pillai, P.K.C., Saxena, P.K. Techniques of selected [sic] coating 9–62079
Pillai, P.P. A new relation connecting the vibrational frequencies of heteronuclear and homonuclear diatomic molecules 9–81197
Piller, R.C., Marwick, A.D. Radiation-enhanced diffusion and segregation in Ni and Ni(Si) alloy: the effects of point-defect trapping 9–77824
Piller, R.C. *see* Marwick, A.D. 9–77649
Pilliar, R.M. *see* Bratina, W.J. 9–79686
Pilliar, R.M. *see* Cameron, H.U. 9–79618
Pilliar, R.M. *see* Szivek, J.A. 9–79685
Pilling, M.J. *see* Butler, P.R. 9–86033
Pilling, M.J. *see* Patrick, R. 9–86008
Pilling, M.J. *see* Rice, S.A. 9–66259
Pilling, M.W., Yates, B., Black, M.A., Tattersall, P. The thermal conductivity of carbon fibre-reinforced composites 9–65264
Pillinger, C.T. Solar-wind exposure effects in the lunar soil 9–75070
Pillipovich, D. *see* Coombe, R.D. 9–57216
Pilloud, J.-J., Jaccard, C. Dynamic properties of $[X_2^-]$ centres in cesium halides 9–65730
Pil'nik, G.P. Tides and nutation in time-service observations 9–96733
Pilon, P.J., Barnard, A.J. Stark broadening of He I 3965 Å 9–98023
Pilon, R. *see* Hackett, P.A. 9–89723
Pilpel, N., Britten, J.R. Effects of temperature on the flow and tensile strengths of powders 9–61668
Pilsworth, B.W. *see* Lynn, P.A. 9–92253
Piltch, M. *see* Eckhardt, R.C. 9–59683
Piltch, M.S. *see* Barnes, N.P. 9–50349
Pilvre, U. *see* Kleis, I. 9–79123
Pilyankevich, A.N., Klimovitskii, A.M., Beloded, R.M. Universal magnification curve for transmission electron microscope 9–49340
Pilyankevich, A.N., Kuz'menko, V.A., Oleinik, G.S., Pisarenko, G.G., Gerikhanov, A.K. Fractographic features of the fatigue fracture of piezoelectric materials 9–52374
Pilyankevich, A.N., Martynenko, A.N., Paderno, V.N., Duryagin, V.A., Kuslitskii, A.B. Failure of high-strength steel accompanying cyclical elastoplastic straining 9–70152
Pilyankevich, A.N., Mel'nikova, V.A. Effects of sample preparation on decoration patterns 9–86658
Pilyankevich, A.N., Oleinik, G.S. Application of replica electron fractography to the investigation of brittle materials 9–60237
Pilyavs'kii, V.S. *see* Belyavina, N.N. 9–51049

Pilyugin, L.S., Sakhibullin, N.A., Khromov, G.S. On the relationship between the 'Zanstra' temperatures of the nuclei of planetary nebulae and the effective temperatures of these stars 9—88654

Pilyugin, N.N. *see* Baulin, N.N. 9—77301

Pilyugin, N.N. *see* Deev, A.A. 9—80189

Pilz, U. *see* Kerschgens, M. 9—58090

Pilz, W. *see* Giehler, M. 9—78682, 9—91440

Pimenov, B.A. *see* Vasil'kov, R.G. 9—59099

Pimenov, V.N. Phase formation in diffusion layer between solid and liquid metals 9—69257

Pimenov, V.N. *see* Neverov, V.I. 9—99373

Pimenov, V.V. An electron-capture leak tester 9—52600

Pimenov, Yu.D. Spectral studies of reversible processes in aluminum hydride 9—65516

Pimenova, A.Z. *see* Kiparisov, S.S. 9—100267

Pimenta, M.M., Moffat, R.J., Kays, W.M. The structure of a boundary layer on a rough wall with blowing and heat transfer 9—81863

Pimentel, G.C. *see* Cuellar, E. 9—98349

Pimentel, G.C. *see* Fournier, J. 9—89700

Pimia, M. *see* Bakken, V. 9—63549

Pimmel, R.L., Williams, S.P., Fullton, J.M., Tsai, M.J., Winter, D.C., Collier, A.M. Respiratory impedance and derived parameters in small children 9—92277

Pimmel, R.L. *see* Haddad, A.G. 9—88105

Pimmel, R.L. *see* Tasi, M.J. 9—57803

Pimmel, R.L. *see* Tsai, M.-J. 9—83821

Pimmel, R.L. *see* Winter, D.C. 9—92280

Pimpale, S.G. Count rate-emission with time of exposure to an electrodeless discharge in air 9—64936

Pimshtein, P.G., Borsuk, E.G. Experimental investigation of the stress state of a coiled shell under the action of internal pressure 9—86342

Pimsner, V., Baran, N. Determination of the turbulent boundary layer on the turbine blade 9—64647

Pimsner, V., Baran, N. Calculation of the shear stress distribution in a boundary layer 9—98701

Pinaire, R. *see* Zakin, J.L. 9—77192

Pinard, E. *see* Seylaz, J. 9—57829

Pinard, J. *see* Feneuille, S. 9—59410

Pinard, J. *see* Liberman, S. 9—94101

Pinard, J. *see* Luc-Koenig, E. 9—93953

Pinard, M., Aminoff, C.G., Laloe, F. Velocity-selective optical pumping and Doppler-free spectroscopy 9—81304

Pinard, M., Leduc, M., Trenec, G., Aminoff, C.G., Laloe, F. Efficient single-mode operation of a standing-wave dye laser 9—89918

Pinasco, M.R. *see* Stagno, E. 9—52238

Pinceaux, J.P. *see* Besson, J.M. 9—67334

Pinceaux, J.-P., Maury, J.-P., Besson, J.-M. Solidification of helium, at room temperature under high pressure 9—82413

Pinceaux, J.-P., Maury, P., Besson, J.-M. Solidification of helium at ambient temperature under high pressure 9—73373

Pincevicius, A., Sakalas, A., Viscakas, J. Double injection into structures with a low-conductivity region. II. Current-voltage characteristics of a single-level semiconductor 9—56296

Pinch, T.J. The hidden-variables controversy in quantum physics 9—62975

Pinchak, A.C., Wiley, R.W., Kovijanic, C. Evaluation of the esophageal accelerometer as a noninvasive measurement of cardiac function 9—92458

Pinchak, A.C. *see* Tishkoff, J.M. 9—77257

Pinchaux, R. *see* Thiry, P. 9—74056

Pinchemel, B., Lefebvre, Y., Schamps, J. Rotational analysis of a $^2\Delta$-$^2\Pi$ system of NiF 9—98115

Pinchemel, B. *see* Lavendy, H. 9—72325

Pinchuk, I.I. Electrical conductivity of semiconductors in crossed electric and quantizing magnetic fields 9—65467

Pinchuk, I.I., Tomchuk, P.M. Longitudinal isothermal Nernst-Ettingshausen effect in a quantizing magnetic field ($H \perp gradT$) 9—51617

Pinchuk, M. *see* Ricci, P. 9—70479

Pinchuk, V.G. *see* Belyi, V.I. 9—52384

Pincombe, J.R. *see* Owen, J.M. 9—50731

Pincovschi, E., Filipescu, L. Liquid-solid equilibria. II. Experimental methods 9—73291

Pincus, P., De Gennes, P.G. Nematic polymers 9—94870

Pincus, P. *see* Alexander, S. 9—90517

Pinczuk, A., Abstreiter, G., Trommer, R., Cardona, M. Resonance enhancement of Raman scattering by electron-gas excitations of n-GaAs 9—65878

Pinczuk, A., Welber, B., Dacol, F.H. Mechanism of the ferroelastic transition of $BiVO_4$ 9—51230

Pinczuk, A. *see* Abstreiter, G. 9—82540

Pindak, R. *see* Rosenblatt, C. 9—55663

Pinder, G.F. *see* Frind, E.O. 9—54072

Pinder, J.E., III, Adriano, D.C., Boni, A.L., Corey, J.C., McLeod, K.W. Transuranic mobility in agricultural ecosystems 9—96668

Pindor, M.J. Matrix variational Pade approximants and multi-step square-well potentials 9—71283

Pine, A.S., Menyuk, N., Dresselhaus, G. Laser emission study of the pressure dependence of the energy gap in tellurium 9—82521

Pine, A.S. *see* Brown, L.R. 9—72310

Pine, A.S. *see* Coulombe, M.J. 9—76693

Pine, A.S. *see* Dang-Nhu, M. 9—98069

Pine, A.S. *see* Gray, D.L. 9—98098

Pine, J. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Pineau, A. *see* Hourlier, F. 9—91787

Pineau, A. *see* Lemble, Ph. 9—87722

Pinegin, A.A. *see* Alekseev, P.N. 9—97752

Pinel, J., Lebeau, C. Modification of superconductive properties of Pb thin films due to the presence of Fe grains 9—60957

Pines, A. *see* Ackerman, J.L. 9—97410

Pines, A. *see* Emid, S. 9—73845

Pines, A. *see* Suwelack, D. 9—61266

Pines, H.S. *see* Green, M.A. 9—58750, 9—71457

Pinet, B. The use of flow models to analyse primary coolant leakage accidents 9—63725

Pinfold, J. *see* Armstrong, T.A. 9—85344

Ping Cheng, I-Dee Chang Convection in a porous medium as a singular perturbation problem 9—94715

Ping So Suk *see* Suk Ping So

Ping Sun *see* Sun Ping

Ping-huang Shao *see* Shao Ping-huang

Ping-Yi Li *see* Li Ping-Yi

Pingel, H. *see* Bothe, W. 9—68000

Pinglot, F. *see* Pourchet, M. 9—79421

Pinheiro, M. de F.F., Radcliffe, D.J., Rosenberg, H.M. The thermal expansion and thermal and electrical conductivity of carbon and glass fibre epoxy-resin composites from 2 to 290K 9—60528

Pinheiro, R. Gravity wave astronomy 9—92664

Pinho, A.G.De *see* De Pinho, A.G.

Pinizzotto, R.F., Jr., Chen, L.J., Ardell, A.J. Nickel and nitrogen ion irradiation induced void swelling and defect microstructures in Ni-Al, Ni-Cr and Ni-Ti solid solutions 9—51164

Pink, E. The role of viscoelastic relaxation processes in the macrodeformation of glassy polymers 9—72825

Pink, E., Vouda, V., Back, H. Long range and short range stresses in the macrodeformation of glassy polymers 9—52289

Pink, H. *see* Iliev, M. 9—78659

Pinkernell, J. *see* Zimmermann, H. 9—97847

Pinkhasik, M.S. *see* Zakharko, Yu.A. 9—57290

Pinkos, R.F. *see* Hilliard, E.J., Jr. 9—72758

Pinkston, W.T. *see* Kruse, H. 9—67783

Pinkston, W.T. *see* Vallieres, M. 9—59021

Pinna, G. *see* Caminiti, R. 9—77479

Pinnekamp, F. The influence of molecular transitions on the spectrum of the helium line at λ=447.15 nm in a low-pressure discharge 9—60212

Pinnel, M.R., Bennett, J.E. On the formation of the ordered phases CuAu and Cu_3Au at a copper/gold planar interface 9—82392

Pinnel, M.R., Tompkins, H.G., Heath, D.E. Oxidation of copper in controlled clean air and standard laboratory air at 50°C to 150°C 9—70202

Pinnel, M.R., Tompkins, H.G., Heath, D.E. Oxidation of copper in controlled clean air and standard laboratory air at 50°C-150°C 9—79154

Pinnel, M.R. *see* Augis, J.A. 9—87025

Pinnick, R.G., Auvermann, H.J. Response characteristics of Knollenberg light-scattering aerosol counters 9—66369

Pinnick, R.G., Hoihjelle, D.L., Fernandez, G., Stenmark, E.B., Lindberg, J.D., Hoidale, G.B., Jennings, S.G. Vertical structure in atmospheric fog and haze and its effects on visible and infrared extinction 9—58086

Pinnick, R.G. *see* Chylek, P. 9—64175

Pinnick, R.G. *see* Jennings, S.G. 9—74956

Pinnington, E.H., Gosselin, R.N., Irwin, D.J.G., O'Neill, J.A. Beam-foil lifetime measurements for some $2p^3$ nl terms of single-ionized fluorine 9—81173

Pinnington, E.H., Gosselin, R.N., O'Neill, J.A., Kernahan, J.A., Donnelly, K.E., Brooks, R.L. Beam-foil lifetime measurements using ANDC analysis for the resonance doublet in Ar VIII, Kr VIII and Xe VIII 9—93964

Pinnington, E.H. *see* Kernahan, J.A. 9—49986

Pinnington, E.H. *see* O'Neill, J.A. 9—86059

Pinnow, D.A., Abrams, R.L., Lotspeich, J.F., Henderson, D.M., Plant, T.K., Stephens, R.R., Walker, C.M. An electro-optic tunable filter 9—59804

Pinot, M. *see* Bacchella, G.L. 9—61066

Pinot, M. *see* Glattli, H. 9—75982

Pinotsis, A.D. *see* Laskarides, P.G. 9—67125

Pinskaya, G.I., Getling, A.V., Yakhnin, E.D. Hydrodynamic method of measurement of adhesive forces between solid particles in liquid 9—68826

Pinskaya, G.I. *see* Yakhnin, E.D. 9—70380

Pinski, F.J., Allen, P.B., Butler, W.H. Calculated electron-phonon coupling and superconducting T_c of transition metals: Mo and Pd 9—56360

Pinski, F.J., Butler, W.H. Calculated electron-phonon contributions to phonon linewidths and to the electronic mass enhancement in Pd 9—95099

Pinski, F.J. *see* Butler, W.H. 9—73273

Pinski, F.J. *see* Campbell, C.E. 9—56801

Pinskii, Ya.M. Nonlinear interaction of electromagnetic waves in a magnetized conducting medium 9—55501

Pinsky, E. *see* Ben-Yosef, N. 9—92590

Pinsky, L. *see* Marlow, D. 9—85564

Pinsky, L.S. *see* Hoftiezer, J.H. 9—85509

Pinsky, L.S. *see* Pipin, G.P. 9—85316

Pinson, P. *see* Bardelay, J. 9—77442

Pinson, P. *see* Burczyk, K. 9—98090

Pinson, W.E. Infrared photography using semiconductors 9—93243

Pinston, J.A., Mampe, W., Roussille, R., Schreckenbach, K., Heck, D., Borner, H.G., Koch, H.R., Andre, S., Barneoud, D. Level structure of ^{100}Tc 9—63590

Pinston, J.A. *see* Borner, H.G. 9—93865

Pinta, M. *see* Mizuike, A. 9—52842

Pintar, M.M. *see* Peternelj, J. 9—61252

Pintchovski, F.S. *see* Navrotsky, A. 9—90779

Pinter, R.B. *see* Spelman, F.A. 9—83816

Pinter, S. *see* Gombosi, T. 9—70935

Pinto, H., Melamud, M., Gurewitz, E. Magnetic structure of $PrCo_2Ge_2$, a neutron diffraction study 9—69059

Pinto, H. *see* Atzmony, U. 9—99707

Pinto, H. *see* Horowitz, Y.S. 9—97948

Pinto, H. *see* Shaked, H. 9—95576

Pinto, J.G. Macroscopic inhomogeneities in the mechanical response of papillary muscles 9—79571

Pinto, J.P. *see* Hameed, S. 9—58043

Pinto, L.H. *see* Harary, H.H. 9—74658

Pinto, R.P. *see* Sousa, J.B. 9—51787, 9—61108

Pinto, R.S. *see* Sousa, J.B. 9—78075

Pintschovius, L. *see* Prechtel, J. 9—82298

Pintschovius, L. *see* Weber, W. 9—99283

Pinus, N.Z. The power spectra of the down- and cross-wind velocity components at the altitude of 10-20 km 9—88403

Pinzino, C. *see* Colligiani, A. 9—78524

Piomelli, S., Seaman, C., Reibman, J., Tytun, A., Graziano, J., Tabachnik, N., Corash, L. Separation of younger red cells with improved survival in vivo: An approach to chronic transfusion therapy 9—92190

Piorkowska, E. *see* Pakula, T. 9—69031

Pioro, N.Ch. *see* Pugin, V.S. 9—66219

Piotrovska, A. *see* Levina, T.G. 9—96873

Piotrowska, A. *see* Wdowczyk, J. 9—80158

Piotrowska-Szczepaniak, J. *see* Ziolo, J. 9—82908, 9—87372

Piotrowski, C. *see* Tough, J.T. 9—55962

Piotrowski, J. *see* Igras, E. 9—58788

Piotrowski, K. *see* Szymczak, R. 9—99739

Piotrowski, S.L., Ziolkowski, K. The flow of matter around one component of a close binary system and the period changes 9—62870

Piotrowski, T. *see* Igras, E. 9—58788

Piotrowsky, H. *see* Geppert, R. 9—94424

Pipars, Ya.Ya., Balodis, A.A., Kauzhens, I.K., Shaparenko, I.I. Signal propagation in medium of hysteresis type damping 9—53986

Pipars, Ya.Ya. *see* Kauzhens, I.K. 9—55265

Piper, J.D.A. Paleomagnetic study of Late Precambrian rocks of the Midland Craton of England and Wales 9—66617

Piper, J.D.A. Aspects of Caledonian palaeomagnetism and their tectonic implications 9—88244

Piper, L.G. On the heat of formation of NH 9—70362

Piper, L.G., Krech, R.H., Taylor, R.L. Generation of N_3 in the thermal decomposition of NaN_3 9—100351

Piperno, F. *see* Falcone, G. 9—52059

Pipes, J.G. *see* Scott, H.E. 9—97437

Pipes, P.B. *see* Free, J.U. 9—56284

Pipes, P.B. *see* Van Degrift, C.T. 9—63223

Pipes, R.B., Wetherhold, R.C., Gillespie, J.W., Jr. Notched strength of composite materials 9—57095

Pipher, J.L., Krassner, J., Soifer, B.T. Infrared photometry and spectrophotometry of G75.84+0.4 9—62889

Pipin, G.P., Mutchler, G.S., Furic, M., Duck, I.M., Felder, R.D., Hudomalj-Gabitzsch, J., Dragoset, W.H., Phillips, G.C., Allred, J.C., Hungerford, E.V., Mayes, B.W., Pinsky, L.S., Williams, T.M. Δ^+ production in the reaction $pp \rightarrow pp\pi^0$ at 800 MeV 9—85316

Pipinis, P.A. *see* Kiveris, A.Yu. 9—74007

Pipinys, P.A. *see* Kiversi, A.J. 9—65520

Pipkin, F.M. *see* Clark, B.O. 9—54826

Pipkin, F.M. *see* Cohen, E.J. 9—93562

Pipkin, F.M. *see* Dixon, R. 9—89169

Pipkin, F.M. *see* Jessop, P.E. 9—89633

Pipkin, F.M. *see* Jonckheere, A. 9—63527

Pipkin, F.M. *see* Loomis, W.A. 9—71757

Pipkin, F.M. *see* Van Baak, D.A. 9—54825

Pipkin, N.J., Davies, G.J. The application of the scanning electron microscope to studies of the external crystal morphologies of synthetic diamond and cubic boron nitride 9—73078

Pipman, J. *see* Balfour, L.S. 9—51367

Pippard, B. The magnetoresistance of polycrystalline copper 9—87083

Pippin, H.G. *see* Brooks, P.R. 9—98198

Pique, J.P. *see* Dolino, G. 9—81484

Piquemal, J. *see* Caen, R. 9—68862
Piqueras, J. *see* Criado, A. 9—99612
Piqueras, J. *see* Victoria, J. 9—91732
Piragas, K. *see* Matulis, A. 9—69520
Piragino, G. *see* Balestra, F. 9—76041, 9—85427, 9—85437, 9—85495, 9—85513, 9—85517
Piragino, G. *see* Falomkin, I.V. 9—85376
Piran, T. *see* Amitai-Milchgrub, A. 9—71057, 9—88678
Piranda, J. *see* Chardon, J.C. 9—81247
Pirard, J.P. *see* Lecloux, A. 9—77897
Pirart, C. *see* Jongen, Y. 9—54676, 9—72116
Piraux, R. *see* de Bivar-Weinholtz, A. 9—49070
Pirchio, M. *see* Fiorentini, A. 9—53105
Pires, A.S.T. *see* Blinc, R. 9—65752
Pires, A.S.T. *see* Faria, A.C. 9—87269
Pires, A.S.T. *see* Sa Barreto, F.C. 9—61316
Pires, J.de Sousa *see* de Sousa Pires, J.
Piret, Cl. *see* Messiaen, A.M. 9—99000
Piret, P., Piret-Meunier, J., Declercq, J.-P. Structure of phuralumite 9—90606
Piret-Meunier, J. *see* Piret, P. 9—90606
Piric, M. The exciton and polariton kinematical levels 9—56134
Pirich, R.G., Larson, D.J., Jr. Magnetic and metallurgical properties of directionally solidified eutectic Bi/MnBi composites: the effects of annealing 9—82827
Piriou, B., Billard, D., Simonato, J., Coutures, J.P. Structural characterization of molten cryolite by infrared spectroscopy and splat-cooling 9—69835
Piriou, B. *see* Alain, P. 9—61367
Pirkl, W. *see* Boltezar, E. 9—67972
Pirner, H.J. Pion condensation in isospin symmetric nuclear matter 9—80894
Pirner, H.J. Quantum chromodynamics and the spin-orbit splitting in nuclei and Λ- and Σ-hypernuclei 9—85398
Pirodda, L. Dimensional metrology of large objects by projection moire techniques 9—85122
Pirogov, A.V. *see* Grebinnik, V.G. 9—56667, 9—56694
Pirogov, Yu.A., Prokopenko, M.I., Babkina, L.A., Badiyan, E.E., Semenenko, I.N. Sinter adhesion of MgO produced by the thermal decomposition of magnesium compounds to periclase refractory 9—83164
Pirogova, G.N. *see* Spitsyn, V.I. 9—51989
Piron, A. *see* Henry, J. 9—66553
Piron, C. *see* Aerts, D. 9—49175
Piron, C. *see* Horwitz, L.P. 9—63126
Piron, D.L. *see* Sugimoto, K. 9—100388
Piron, D.-L. *see* Crine, J.-P. 9—87162
Pironneau, O. *see* Bristeau, M.O. 9—49054
Pironneau, O. *see* Perrier, P. 9—84407
Pirouz, P. Effect of absorption on lattice images 9—90497
Pirov, O.M. *see* Gorelyi, K.I. 9—62659
Pirozhenko, V.M. *see* Baldin, A.M. 9—72125
Pirozhkov, V.A. *see* Kurkin, N.N. 9—68419
Pirri, A.N., Root, R.G., Wu, P.K.S. Plasma energy transfer to metal surfaces irradiated by pulsed lasers 9—60152
Pirro, M.J.Di *see* Di Pirro, M.J.
Pirt, K.R. *see* Truman, J.E. 9—52419
Pirt, S.J. *see* Mason, J.R. 9—66590
Pirtskhalava, Dzh.N. *see* Mandzhgaladze, S.N. 9—57140
Pirug, G., Bonzel, H.P., Hopster, H., Ibach, H. Vibrational spectra of nitric oxide chemisorbed on Pt(100) 9—90866
Pirumov, U.G. *see* Breev, V.V. 9—64727
Pirumova, S.I. *see* Gusakovskaya, I.G. 9—62166
Piruzyan, L.A. *see* Poltorakov, A.P. 9—57629
Pirvulescu, C., Ghita, C., Vlahovici, N. Computer processing of light scattering measurements in macromolecular solutions 9—82990
Piryatinskii, Yu.P. *see* Vorob'ev, V.P. 9—87478
Pirz, F. Design of a wideband, constant beamwidth, array microphone for use in the near-field 9—59900
Pisanets, M. *see* Beleva-Staikova, R. 9—62184
Pisani, R.U. *see* Perona, G.E. 9—74972
Pisanko, S.N. *see* Polyakov, S.P. 9—90473
Pisano, D.J. *see* Bond, P.D. 9—67734
Pisanskii, A.I. *see* Kondilenko, I.I. 9—73924
Pisanty, A. *see* Keller, J. 9—60675
Pisarcik, M. *see* Koudelka, L. 9—65856
Pisarczyk, T. *see* Denus, S. 9—85166
Pisarenko, G.G. *see* Pilyankevich, A.N. 9—52374
Pisarenko, G.S., Okhrimenko, G.M., Rodichev, Yu.M. Strength of structural glass components in a complex stress state 9—91763
Pisarenko, N.F. *see* Kuzhevskii, B.M. 9—62695, 9—80128
Pisarenko, N.F. *see* Vakulov, P.V. 9—80069
Pisarenko, V.G. The Schrodinger nonlinear equation exact solution describing the self-channeling of the laser beam 9—94278
Pisarenko, V.G. Almost circular orbits of a two-body system in general relativity 9—101056
Pisarev, A.A. Ion collector for research on processes of absorption and reliberation of gas ions 9—99254
Pisarev, E.A., Drobot, D.V. Program for calculating lattice parameters by means of the method of least squares 9—64958
Pisarev, L.T. *see* Tsymbal, L.T. 9—69334
Pisarev, V.Ye. *see* Tolubinskiy, V.I. 9—81690
Pisareva, V.V. *see* Aksenow, W.I. 9—62646
Pisarevskii, V.M., Ponomarenko, Yu.B. On variations of density and pressure of gas in local resistances in pipelines 9—98743
Pisarevskii, Yu.V. *see* Sil'vestrova, I.M. 9—55809, 9—95709
Pishchak, V.K. *see* Moiseeva, I.V. 9—78997
Pishchak, V.K. *see* Okrainets, P.N. 9—52233, 9—87690, 9—96101
Pishchik, G.F. *see* Kosulina, T.G. 9—76859
Pishchik, V.V. *see* Timan, B.L. 9—55688
Pishko, R., McKimpson, M., Shewmon, P.G. The effect of steelmaking on the hydrogen attack of carbon steel 9—100076
Pishkova, D.S. *see* Boyarskaya, Yu.S. 9—51114
Pishvanova, N.A. *see* Unesikhin, N.E. 9—88962
Pisias, N.G. Paleoceanography of the Santa Barbara Basin during the last 8000 years 9—84297
Pisias, N.G. *see* Kominz, M.A. 9—66787
Pisk, K. *see* Dadic, I. 9—93276
Piskaraskas, A.S. *see* Germanishkis, B.M. 9—64286
Piskareva, M.V., Shugaev, F.V. On the differential equations for a transient shock wave 9—64696
Piskarskas, A. *see* Birmontas, A. 9—89949
Piskarskas, A. *see* Danelyus, R. 9—59765
Piskarskas, A. *see* Danielius, R. 9—55187
Piskarskas, A.S. *see* Akhamnov, S.A. 9—92182
Piskunkova, N.F. *see* Gavrilov, A.G. 9—70586
Piskunov, A.K. *see* Gavrikov, V.F. 9—64217
Piskunov, A.K. *see* Virnik, Ya.Z. 9—94265
Piskunov, L.I., Treiger, S.I. Bionindication of the aerosol products of nuclear fission with the aid of the needles of the common pine tree 9—100550
Piskunov, V.N. *see* Domilovskii, E.R. 9—84377
Piskunov, V.N. *see* Lushinkov, A.A. 9—70379
Piskunov, V.N. *see* Lushnikov, A.A. 9—57296, 9—57300
Pislar', I.G. *see* Deryabin, A.V. 9—73781, 9—100240
Pismen, L.M. Asymmetric steady states revisited 9—86527
Pismen, L.M. Multiscale propagation phenomena in reaction-diffusion systems 9—91910
Pismen, L.M. *see* Nir, A. 9—90227
Pis'mennyi, V.D. *see* Muratov, E.A. 9—98339
Pismis, P., Recillas-Cruz, E. Internal motions in H II regions. V. The planetary nebula M1-67, possibly an H II region 9—92841
Pistilli, P. *see* Amaldi, E. 9—71771
Pistilli, P. *see* Jonker, M. 9—93399
Pistilli, P. *see* Lusignoli, M. 9—80819
Pistone, G. *see* Bellomo, N. 9—75455
Pistoulet, B., Robert, J.L., Dusseau, J.M. Band conduction mechanisms in amorphous and disordered semiconductors 9—95414
Pistoulet, B. *see* Robert, J.L. 9—51571
Pistre, J. *see* Segui, Y. 9—77821
Pistre, J.D. *see* Danto, Y. 9—52928
Pistun, I.P. *see* Babei, Yu.I. 9—52435
Pistunovich, V.I. *see* Golovin, I.N. 9—76123
Pistunovich, V.I. *see* Velikhov, E.P. 9—71954, 9—76122
Pisut, J. *see* Cerny, V. 9—71687, 9—80791, 9—93363, 9—97570
Pisut, J. *see* Lichard, P. 9—97639
Piszczalski, M., Galler, B.A. Predicting musical pitch from component frequency ratios 9—96574
Pitaevskaya, L.L. Adiabatic compression of argon to 25 kbar 9—86549
Pitaevskii, L.P. *see* Anisimov, S.I. 9—77353
Pitak, N.V. *see* Fedoruk, R.M. 9—52505
Pitak, N.V. *see* Gaodu, A.N. 9—52258
Pitayevskii, L.P. *see* Iordanskii, S.V. 9—51324
Pitella, G. *see* Agnelli, G. 9—92677
Pit'ev, N.P. The coefficients of the gradient of the direction field in systems permitting separation of variables 9—88707
Piticu, I. *see* Baltog, I. 9—56855
Pitkaranta, J. Asymptotic behavior of the solution of the integral transport equation in the vicinity of a curved material interface 9—63175
Pitkin, J.A. *see* Duval, J.S. 9—58126
Pitman, J.I. Carbonate chemistry of groundwater from chalk, Givendale, East Yorkshire 9—66719
Pitman, J.I. Carbonate chemistry of groundwater from tropical tower karst in south Thailand 9—79906
Pitner, A.L., Hollenberg, G.W., Jackson, J.L., Basmajian, J.A. B_4C absorber pin in-reactor rupture test 9—93701
Pitre, R. *see* Bertrand, L. 9—72591
Pitskel', B.S. *see* Gurevich, V.M. 9—67274
Pitt, A.M., Weaver, C.S., Spence, W. The Yellowstone Park earthquake of June 30, 1975 9—92494
Pitt, C.H., Tayler, P.L., van Wagoner, D.L. The effect of small amounts of Ag, Se, and Sn on the recrystallization of copper 9—100164
Pitt, C.H. *see* Cho, E.H. 9—82456
Pitt, C.H. *see* Eung Ha Cho 9—82455, 9—82457
Pitt, G.D. Solid state physics at high pressures 9—90729
Pitt, G.D. *see* Ahmad, C.N. 9—65473
Pittel, S. *see* Federman, P. 9—93502
Pitthan, R. Some solved and more unsolved problems in giant resonance research 9—93585
Pitthan, R., Hass, H., Meyer, D.H., Buskirk, F.R., Dyer, J.N. E0, E1, E2, E3, and E4 giant resonances in the N=82 nucleus ^{140}Ce between 4 and 48 MeV excitation energy with inelastic electron scattering 9—54423
Pittich, E.M. *see* Kresak, L. 9—53772
Pittner, K.-J. Design of a shock absorbing reactor auxiliary building for aircraft-impact loading 9—89348
Pittner, L. *see* Gesztesy, F. 9—72473
Pitts, J.N., Jr., Atkinson, R., Winer, A.M., Darnall, K.R., Lloyd, A.C., Perry, R.A. Some fundamental and applied aspects of the atmospheric reactivity of organic molecules 9—61860
Pitts, J.N., Jr. *see* Atkinson, R. 9—70304
Pitts, J.N., Jr. *see* Harris, G.W. 9—57215
Pitts, J.N., Jr. *see* Miller, P.R. 9—83676
Pitukhin, P. *see* Ammosov, V. 9—71737
Pitukhin, P.V. *see* Berge, J.P. 9—71741
Pitukhin, P.V. *see* Efremenko, V.I. 9—75763
Pitz, E. Nonlinearity measurements on photometric devices 9—71505
Pitzer, K., Brewer, L. Simplification of thermodynamic calculations through dimensionless entropies 9—91984
Pitzer, R.M. *see* Dunning, T.H., Jr. 9—59359
Pitzer, R.M. *see* Hood, D.M. 9—89601
Pitzer, R.M. *see* White, W.P. 9—59360
Pitzer, R.M. *see* Yates, J.H. 9—63900
Pitzurra, O. *see* Bracci, L. 9—85319
Pivac, B., Vucic, Z., Marohnic, Z., Babic, E. Thermoelectric power and resistivity of amorphous ferromagnets near Curie temperature 9—56200
Pivac, B. *see* Ivkov, J. 9—56182
Pivcova, H., Doskocilova, D., Bradbury, E.M. ^{13}C and ^{1}H n.m.r. dynamic study of poly(γ-benzyl-L-glutamate) poly(β-benzyl-L-aspartate) and poly(L-alanine) in solution 9—69737
Pivinskii, E.G. *see* Alekseev, V.N. 9—64237
Pivnyak, G.G., Svistel'nik, O.A. Study of inflammability of raised frequency currents in low inductance circuits 9—86626
Pivnyuk, N.A. *see* Burgov, N.A. 9—97710
Pivonka, P. *see* Kaulich, I. 9—71419
Pivovarov, V.G. *see* Yerkayev, N.V. 9—53663
Pivovarov, Yu.L., Vorobiev, S.A. Possibility of nuclear reaction modulation for high-energy negative particles in single crystals 9—77655
Piwinski, A. Observation of beam-beam effects in PETRA 9—72123
Piwinski, A. *see* Bothe, W. 9—68000
Piwowarczyk, J. *see* Kielbasa, J. 9—68879
Pizani, P.S. *see* Tancredo, A. 9—50049
Pizey, G. *see* Popplewell, N. 9—55264
Piziali, R.L. *see* Seering, W.P. 9—92271
Pizzella, G. *see* Amaldi, E. 9—67217
Pizzella, G. *see* Bonifazi, P. 9—67216
Pizzi, J.R. *see* Bedjidian, M. 9—63621, 9—85393
Pizzica, P.A. *see* Garner, P.L. 9—85668
Pizzichini, G. *see* Cline, T.L. 9—101218
Pizzichini, G. *see* Evans, D. 9—58441
Pizzio, F. *see* Boffi, V.C. 9—97325
Pizzo, J.F. *see* Whitman, P.G. 9—75239
Pizzo, V.Del *see* Del Pizzo, V.
Pizzoli, M. *see* Chen, F.C. 9—95075
Place, C.M. *see* Essam, J.W. 9—67234
Place, J.D., Prutton, M. Angular dependence of Auger electron emission from MgO and NiO 9—61474
Placek, V. *see* Kunz, E. 9—79605
Placzek, W. *see* Friedrich, P. 9—74328
Plafker, G. *see* Page, W.D. 9—79754
Plagnol, E. *see* Gamp, A. 9—76021
Plakhin, E.A. Intermediate inversion layer in the western basin of the Mediterranean Sea 9—100844
Plakhina, I.N. *see* Lyubovtseva, Yu.S. 9—98285
Plakhov, G.F., Belov, N.V. Refined crystal structure of the Zn(Fe) analog of beryllonite allowing for anisotropy of atomic thermal vibrations; comparison with hurlbutite 9—55722
Plakida, N.M., Siklos, T. Lattice dynamics and stability of anharmonic crystals 9—51209
Plakida, N.M. *see* Stamenkovic, S. 9—55858, 9—73290
Plaksii, V.A. Cylindrical detonation waves in multicomponent media 9—86287
Plambeck, R.L. *see* Goldsmith, P.F. 9—58036
Plammootil, P. *see* Loncarevic, F. 9—66506
Planchon, H.P., Jr. *see* Jones, B.G. 9—77195
Plane, J.H. *see* Bottrill, D.O. 9—74742
Planeta, R., Dabrowski, H., Freindl, L., Grotowski, K. Explanation of the anomalously small absorption of α-particles in ^{40}Ca nuclei 9—93640
Planner, H.N. *see* Nelson, L.S. 9—85649
Planque, G.De *see* De Planque, G.
Plant, J. *see* Brown, G.C. 9—74486
Plant, J. *see* Simpson, P.R. 9—84273
Plant, J. *see* Watson, J.V. 9—84269
Plant, J.B. *see* Chan, Y.T. 9—59867
Plant, M. Environmental thermometer 9—67300
Plant, R.E. Temporal pattern generation in coupled oscillators: a model for the Tritonia trigger group 9—96538
Plant, T.K. *see* Pinnow, D.A. 9—59804

Plappert, W. *see* Chestnut, R. 9−89533
Plaschko, P. Helical instabilities of slowly divergent jets 9−68776
Plascyk, J.A. *see* Van Workum, J. 9−59738
Plasil, F. *see* Blann, M. 9−54452
Plaskett, J.S. *see* Allen, L. 9−50270
Plaskett, T.S. *see* Jenkins, D.A. 9−61332
Plass, G. *see* Boltezar, E. 9−67972
Plass, G.N. *see* Guinn, J.A., Jr. 9−53349
Plassmann, E.A. *see* Byers, C.C. 9−63742
Plastinin, Yu.A. *see* Georg, E.B. 9−68952
Plastinina, A.V. *see* Fedorenko, Yu.P. 9−62663
Plastino, A. *see* Cambiaggio, M.C. 9−71812
Plastino, A. *see* Civitarese, O. 9−71815
Platau, G., Gastaud, G., Pacheu, Y. Measurement of optical fibre characteristics using digital methods 9−90011
Platchkov, S. *see* Bauer, T.S. 9−54394
Platchkov, S.K., Bellicard, J.B., Cavedon, J.M., Frois, B., Goutte, D., Huet, M., Leconte, P., Phan Xuan Ho, Sick, I., de Witt Huberts, P.K.A., Lapikas, L. Radial distribution of the $1f_{1/2}$ neutron orbit 9−93541
Plate, N.A., Noa, O.V. Theoretical considerations of kinetics and statistics of reactions of functional groups of macromolecules 9−87825
Plate, N.A. *see* Chupov, V.V. 9−55644
Plate', N.A. *see* Freidzon, Ya.S. 9−55665
Plato, P. Absorbed dose rate produced by natural uranium as a function of depth in tissue 9−88194
Platonenko, V.T. *see* Mkrtchyan, M.M. 9−64083
Platonov, A.V. *see* Zhagrov, E.A. 9−76054
Platonov, M.P. Rapid quality-control method for polymers based on a solid surface wetting criterion 9−52534
Platonov, P.A. *see* Zelenskii, V.F. 9−95049
Platonov, S.I. *see* Piguzov, Yu.V. 9−100136
Platt, B.C., Reynolds, S.G., Holt, T.R. Determining image quality and wavefront profiles from interferograms 9−85172
Platt, C. *see* Popper, A.N. 9−96579
Platt, C.M.R. *see* Smith, W.L. 9−88444
Platt, C.M.R. *see* Stephens, G.L. 9−79931
Platt, H.M., Mackie, P.R. Analysis of aliphatic and aromatic hydrocarbons in Antarctic marine sediment layers 9−92096
Platte, C. *see* Kocak, M. 9−69075
Platten, J.K. *see* Legros, J.C. 9−68703
Plattner, G.R. Few-body aspects of the 6-nucleon system 9−80888
Plattner, G.R. *see* Kiebele, U. 9−85483
Platzer, H. *see* Marko, H. 9−59651
Platzman, G.W. A Kelvin wave in the eastern north Pacific Ocean 9−79849
Platzman, P.M. *see* Fukuyama, H. 9−78024, 9−78195
Play, D., Godet, M. Self-protection of high wear materials 9−96149
Player, M.A. *see* Holbourn, P.E. 9−97931
Playford, K. *see* Cambray, R.S. 9−79997
Plebanski, J.F. The algebra generated by Hodge's star and external differential 9−92926
Plebanski, J.F., Hacyan, S. Some exceptional electrovac type D metrics with cosmological constant 9−75419
Plebanski, J.F. *see* Przanowski, M. 9−71300, 9−80475
Plege, B. *see* Noda, T. 9−91680
Plein, H.G., Carlson, G.A. Debris bed and sacrificial materials interactions at high temperatures 9−85612
Plein, H.G. *see* Nguyen, D.H. 9−93783
Pleiner, H. On the spin dynamics of superfluid ^{3}He-A_1 and A 9−51350
Pleiter, F., De Waard, H. Isomer shift and electron conversion 9−85411
Plekhanov, G.A., Fedortsov-Lutikov, G.P. Corrosion of 12% chromium steel in a nonisothermal lithium flow 9−79177
Plekhanov, G.A., Fedortsov-Lutikov, G.P., Glushko, Yu.V. Effect of nonmetallic impurities on solubility of components of steel in liquid lithium 9−77760
Plekhanov, V.G. *see* Lushchik, Ch.B. 9−87483
Plekhotkin, G.A. *see* Shukhtin, A.M. 9−63962
Plendl, H.S. *see* Lieb, B.J. 9−67665
Plendl, H.S. *see* McAdams, R.E. 9−85498
Plendl, H.S. *see* Otteson, O.H. 9−85519
Plenkiewicz, P., Dowgiallo-Plenkiewicz, B. Energy band structure of Cd_3P_2 for real D_{4h}^{15} symmetry. I. Energy bands 9−56124
Plenkiewicz, P. *see* Dowgiallo-Plenkiewicz, B. 9−90958
Plesch, R. Automatic correction of particle size effects in X-ray spectrometry 9−83539
Pleshakov, V.F. *see* Nagornyi, V.G. 9−60220
Pleshanov, A.S., Tsinober, A.B., Chusov, M.A. Concerning a possible way of setting up an MHD experiment for checking the relaxation theory of turbulent flow 9−98814
Pleshanov, A.S. *see* Lazarev, P.P. 9−94455
Pleshanov, P.G. *see* Oraevskii, A.N. 9−66450
Pleshinger, A. Methods of solving the inverse seismometry problem and limits of their practical application 9−62606
Pleshkov, L.V. *see* Koltunov, M.A. 9−95994
Plesinger, A. *see* Roglinov, A. 9−92509
Plesko, S. *see* Kind, R. 9−99313
Pleskov, Yu.V. *see* Kazarinov, V.E. 9−96332
Pless, I.A. *see* Brick, D. 9−58980
Pless, W.M. *see* Bailey, C.D. 9−91875
Plessas, W. Elimination of spurious centre-of-mass resonances in the shell-model approach to nuclear reactions 9−75929
Plessas, W. A model three-particle system for studying limitations of the shell-model approach to nuclear reactions 9−75932
Plessas, W. *see* Mathelitsch, L. 9−85322
Plesser, T. *see* Erle, D. 9−96289
Plesset, M.S., Sadhal, S.S. An analytical estimate of the microlayer thickness in nucleate boiling 9−77234
Plesset, M.S. *see* Sadhal, S.S. 9−77867
Plessis, P.de V.du *see* du Plessis, P.de V.
Plesskii, V.P. *see* Gulyaev, Yu.V. 9−69332
Plessky, V.P. *see* Gulyaev, Y.V. 9−90055
Pletcher, R.H. Prediction of incompressible turbulent separating flow 9−98703
Pletnev, R.N. *see* Buzuev, G.V. 9−78534
Pletnev, V.V. Angular distribution of atoms sputtered from the surface of an amorphous target 9−69947
Pletneva, N.I., Mel'nikova, M.M., Sattarov, D.K. Study of the dark current of microchannel plates 9−81555
Pletyushkin, A.A. *see* Akimchenko, I.P. 9−78093
Plevin, J., Pryke, I. The ESA remote-sensing programme: present activities and future plans 9−70885
Plevnik, S. *see* Suhel, P. 9−57817
Plewes, J.T. *see* Wonsiewicz, B.C. 9−52227
Plicht, J.van der *see* van der Plicht, J.
Plichta, M.R., Aaronson, H.I., Williams, J.C., Franti, G.W. Precipitation mechanisms in α_m Ti-X alloys and the Meyrick theory of cellular reaction initiation 9−74163
Pliev, F.L. *see* Tagiev, B.G. 9−51517
Pliml, G.J. Commonwealth Edison Company plant efficiency and heat rate improvement program 9−67829
Plindov, G.I. *see* Dmitrieva, I.K. 9−68176
Pliner, L.A. *see* Funke, V.F. 9−66097, 9−69267
Pliner, S.Yu. *see* Gil'derman, V.K. 9−82478
Plischke, M., Oitmaa, J. Ising models with n>1: a series-expansion approach 9−61138
Plitnik, G.R., Strong, W.J. Numerical method for calculating input impedances of the oboe 9−50538
Plitt, U. *see* Gutmanas, E.Y. 9−60427
Pljugina, A.I. On determination of orientation parameters of the Pulkovo large transit instrument from the observations during 1953-1961 9−96910
Plo, M. *see* Morales, J. 9−89525
Ploc, R.A. Breakaway oxidation of zirconium at 573K 9−74305
Plochocki, A. Rheology of molten polyolefins. VII. Advances in the industrial applications. I. The basic rheological characteristics 9−50689
Ploessel, M.R. High-resolution geophysical surveys, a technique for microzonation of the continental shelf 9−88515
Ploger, S.A. *see* Mehner, A.S. 9−49744
Plohr, B. On the topological charge concentrated at a point 9−85224
Ploke, G., Halter, E. Novel crack detection devices−methods and their application 9−91879
Plomerova, J., Babuska, V. Regional anomalies of P-wave amplitudes and tectonics of focal regions 9−79751
Plomp, A., van De Vate, J.F., van Aalst, R.M., van Hassett, E.D., Van Der Hage, J.C.H., Hofschreuder, P., Parwell, J., Marien, J. Calibration and intercomparison of condensation nuclei counters 9−83684
Plomp, R. *see* van Heusden, E. 9−68500
Plondke, N.J. *see* Rundo, J. 9−79662
Plonka, A., Lefik, W., Kroh, J. Photostimulated decay of trapped electrons in alkaline ice. Pseudo first-order kinetics with time-dependent rate constant 9−52692
Plonka, A. *see* Polevoi, P. 9−66318
Plonsey, R. *see* Rudy, Y. 9−70540
Plonskaya, T.V. *see* Dolganev, Yu.G. 9−93097
Plontke, B. *see* Donat, H. 9−75507
Plonus, M.A. *see* Wang, S.C.H. 9−64176
Ploog, K. Technology of molecular beam epitaxy and application to fabrication of GaAs device structures 9−52129
Ploog, K. Surface studies during molecular beam epitaxy of gallium arsenide 9−90899
Ploog, K., Fischer, A., Kunzel, H. Improved p/n junctions in Ge-doped GaAs grown by molecular beam epitaxy 9−56289
Ploog, K., Fischer, A., Trommer, R., Hirose, M. MBE-grown insulating oxide films on GaAs 9−77943
Ploog, K. *see* Abstreiter, G. 9−65867
Ploog, K. *see* Dohler, G.H. 9−95484
Ploog, K. *see* Vlasse, M. 9−77551
Plopeanu, D. *see* Mihaila, C. 9−94467
Ploshai, L.L., Krashchin, M.D., Zhilkin, A.M., Shereshev, A.B., Ilyukhin, V.A., Zagorel'skii, V.I. Choosing the optimum parameters of a device for measuring rectilinearity 9−76745
Ploshai, L.L. *see* Torochkov, V.Yu. 9−72694
Plostinaru, D. *see* Ionescu-Bujor, M. 9−99799
Ploszajczak, M., Faber, M.E. Influence of shape changes on the α-emission probability at very high angular momentum 9−89229
Ploszajczak, M. *see* Faber, M. 9−76045, 9−93603
Plothow, H. *see* Bourquin, M. 9−71768
Plotkin, L.G., Akutin, M.S., Shalyapin, P.M. Influence of technological parameters on the deformation of decorative laminated papers 9−61671
Plotnikov, A.F. *see* Kravchenko, A.B. 9−58794, 9−63308
Plotnikov, A.I. *see* Ivanov, Yu.A. 9−70390
Plotnikov, I.M. *see* Golubev, L.I. 9−71921
Plotnikov, K.A. *see* Danneker, Yu.A. 9−95956
Plotnikov, S.V. *see* Kuzminikh, V.A. 9−55782
Plotnikov, V.G. *see* Dolgikh, B.A. 9−54898
Plotnikov, V.G. *see* Rashev, S. 9−63902
Plotnikov, V.P. *see* Fedorov, V.A. 9−79073
Plotnikov, V.P. *see* Finkel', V.M. 9−60378
Plotnikova, N.V. *see* Stolin, A.M. 9−77158
Plotnikova, S.P. *see* Klyuev, Yu.A. 9−92530
Plotz, G.A., Simon, H.J., Tucciarone, J.M. Enhanced total reflection with surface plasmons 9−59694
Ploughe, W.D. *see* Karwowski, H.J. 9−76019
Ploughe, W.D. *see* Morgan, J.F. 9−50122
Ploumen, P., Strickmann, G., Winske, P. Studies of the temperature behavior associated with the ultimate storage of high level radioactive waste. I. Calculation of the time and space dependent temperature distribution 9−81014
Ploumhans, M.T. *see* Hautot, A. 9−97183
Plovnick, R.H. *see* Li, P.W. 9−61292
Ployart, R., Colomes, J. Theoretical and experimental yields of a solar heater with flat plate collectors 9−62101
Plumb, I.C., Ryan, K.R., Steven, J.R., Mulcahy, M.F.R. Kinetics of the reaction of CH_3O_2 with NO 9−61848
Plumb, R.A., McEwan, A.D. The instability of a forced standing wave in a viscous stratified fluid: a laboratory analogue of the quasi-biennial oscillation 9−55396
Plumbe, R.D. *see* Wort, D.J.H. 9−81171
Plume, E.Z., Maksimov, R.D. Determining the strength-surface tensor components of anisotropic materials 9−98603
Plumelle, P. *see* Hoclet, M. 9−55853
Plumier, M. *see* Meyer, C.E. 9−54559
Plumier, R., Sougi, M. Neutron diffraction study in magnetic field of antiferromagnetic garnet $Ca_3Mn_2Ge_3O_{12}$ 9−65651
Plumlee, W. *see* Minehart, R. 9−76032
Plummer, E.W. *see* Loubriel, G. 9−76473
Plummer, E.W. *see* Salaneck, W.R. 9−98150
Plummer, L.N. *see* Pearson, F.J., Jr. 9−66718
Plumtree, A. *see* Abdel-Raouf, H. 9−61717
Plumtree, A. *see* Pick, R.J. 9−74337
Plusquellec, J. *see* Prioul, C. 9−100204
Pluss, J.J., Culasso, V.O. DC digital picoammeter 9−88980
Pluta, M. *see* Magiera, A. 9−81358
Pluta, M. *see* Pakula, T. 9−51008
Plutalova, N.Yu. *see* Shchavelev, O.S. 9−99861
Pluth, J.J. *see* Schlenker, J.L. 9−90617
Plyasheshnikov, A.V. *see* Uchaikin, V.V. 9−96871
Plyatsko, G.V., Kiyak, S.G., Nikonyuk, E.S. Dependence of quantum efficiency of the photoeffect on photon energy for p-n junctions on a cadmium telluride base 9−78168
Plyavin', I.K. *see* Vale, G.K. 9−56851
Plyukhin, A.G. *see* Suslina, L.G. 9−73449
Plyusnin, A.B., Dubrovina, A.N., Finarev, M.S. Structure of 12H and 14H polytypes and mechanism of polymorphic transition from hexagonal packing to FCC in Cu_2S 9−55692
Plyusnin, I.I., Shapiro, I.Ya., Cherepanov, A.P. Integrating recorder of a slowly varying voltage 9−93124
Plyusnina, I.I. Study of structural disorder of chalcedonies by infrared spectroscopy 9−87450
Plyusnina, L.A. *see* Gel'fgat, Yu.M. 9−77281
Plyutto, I.A. *see* Voskanyan, A.A. 9−73513
Pniewksi, J. *see* Bedjidian, M. 9−63621
Pniewski, J. *see* Bedjidian, M. 9−85393
Po-kang Chin *see* Chin Po-kang
Po-Wen Wang A solid-state transformation in 1,5-dichloroanthraquinone 9−51251
Poa, S.-P., Lee, S.J. Experimental optimization of alkaline zinc-silver oxide primary cell with respect to the zinc electrode preparation and composition 9−96430
Poate, J.M. Metastable alloy formation by ion implantation 9−82252
Poate, J.M., Leamy, H.J., Sheng, T.T., Celler, G.K. Laser induced reactions of metal films with silicon 9−70365
Poate, J.M. *see* Barnes, P.A. 9−73585
Poate, J.M. *see* Bean, J.C. 9−56082, 9−69372
Poate, J.M. *see* Celler, G.K. 9−73183
Poate, J.M. *see* Cullis, A.G. 9−69129
Poate, J.M. *see* Williams, J.S. 9−73186
Pobedimskaya, E.A. *see* Petrova, I.V. 9−77581, 9−86770
Pobedimskaya, E.A. *see* Puschcharovskii, D.Yu. 9−90624
Pobell, F. *see* Culetto, F.J. 9−51713, 9−69618

Pobereskin, M., O'Hara, F.A., Madia, W.J., Zielenbach, W.J., Yates, K.R. Evaluation of coprocessing as an alternative fuel cycle 9—49819
Poberezhnyi, Ya.L. *see* Pokhmurskii, V.I. 9—52432
Poberezhskii, L.P. Mathematical model of interelectrode breakdown in MHD generator 9—55572
Poberezhskii, L.P. Construction of a mathematical model for MHD generator electrodes in the arc regime of operation 9—86620
Poblan Santamaria, T. *see* Escartin, V.F. 9—62247
Poch, L.J. *see* Bossi, E. 9—76834
Pochan, J. *see* Froix, M. 9—82321
Pochay, P., Wise, K.D., Allard, L.F., Rutledge, L.T. A multichannel depth probe fabricated using electron-beam lithography 9—57822
Poche', A.J., Haas, S.A., Hunke, R.W. Preliminary design of the solar total energy—large scale experiment at Shenandoah, Georgia 9—52898
Pochtarev, V.I. Dynamics of the Caspian center of secular geomagnetic field variations 9—57848
Pochtennyi, E.K. Recording and analysis of the fatigue damage process 9—52487
Pochtman, Yu.M., Skalozub, V.V. A generalised optimisation model for compressed cylindrical shells with random parameters 9—76966
Pochuev, V.P. *see* Shorr, B.F. 9—64487
Pocius, Z.V., Lipskis, K.K., Draksas, P.-R.P., Karavacas, J.I. Investigation of the fatigue of electrophotographic layers of zinc oxide 9—63320
Pocius, Z.V., Lipskis, K.K., Draksas, P.-R.P., Karavacas, J.I. The recovery of the properties of fatigued ZnO layers 9—63321
Pocker, A. Electron scan microscopy and electron beam analysis in the research on materials [semiconductors] 9—94854
Pockrand, I. *see* Brillante, A. 9—91460
Pocock, G. Wear debris analysis for machinery health monitoring 9—61807
Podaikov, V.V. *see* Volokhovskaya, O.A. 9—51191
Podavalova, O.P. *see* Thek-De, I. 9—89959
Podchernyaeva, I.A. *see* Goryachev, Yu.M. 9—73568
Poddar, S.N. Stress intensity factors for two coplanar Griffith cracks in an infinitely long elastic strip, perpendicular to the edges of the strip, for any variable distribution of pressure 9—77022
Poddubn', V.I., Saltanov, N.V. Natural frequency of a flexible thread in a stream 9—90163
Poddubnyak, A.P. Scattering of a confined sound beam by an acoustically compliant circular cylinder 9—94385
Poddubnyak, A.P. *see* Podstrigach, Ya.S. 9—76901
Poddubnyi, I.M. *see* Shubin, V.I. 9—83162
Poddubnyi, V.I., El'yashevich, G.K., Baranov, V.G., Frenkel', S.Ya. Short-range order in precrystallization phase of hydrostatically compressed polymers 9—69033
Podduev, M.I. Method for obtaining a vibrational population inversion in a CO_2-N_2-He (H_2O) gas mixture 9—94210
Podewils, P., Priesmeyer, H.G. Total neutron cross-section of protons bound in zirconium hydride at LN_2 temperature 9—60444
Podgaeskii, V.V. *see* Leinachuk, E.I. 9—79061
Podgaetskii, E.M. Thermodynamic form of the adsorption isotherm equation 9—69369
Podgaetskii, V.M. *see* Byalko, N.G. 9—94312
Podgaiskii, M.S. *see* Khlestov, V.M. 9—70060
Podgoretskii, M.I. *see* Lednitsi, R. 9—93466
Podgoretskii, M.I. *see* Lyuboshits, V.L. 9—93421
Podgorny, I.M. Simulation studies of space 9—58217
Podgorny, I.M., Dubinin, E.M., Potanin, Yu.N., Shkolnikova, S.I. Simulation of cometary magnetic tails 9—62793
Podgornyi, A.P. *see* Gorobchenko, V.S. 9—87484
Podgornyi, I.M. *see* Dubinin, E.M. 9—62674, 9—101119
Podgurskaya, A.V. *see* Somogy, A. 9—80173
Podini, P. *see* Bucci, C. 9—57210
Podkatov, V.I. *see* Bistritsky, V.M. 9—72025
Podkopaev, A.P. *see* Zubarev, A.L. 9—54460, 9—75868
Podlaha, M. Remarks on some important features of the Michelson-Morley and Kennedy-Thorndike experiments 9—88801
Podlaha, M.F. Relativistic experiments with signals on a closed path (reply to Yilmaz) 9—67215
Podlasov, S.A., Sidyakin, V.G. Anisotropy of the effective mass and deformation potential of β-SiC 9—90949
Podloucky, R., Lasser, R., Wimmer, E., Weinberger, P. Electronic structure of Pd: Compton scattering, soft-X-ray emission and X-ray photoelectron spectra 9—77999
Podloucky, R. *see* Weinberger, P. 9—51484
Podluzhnyak, N.V. *see* Adzerikho, K.S. 9—90121
Podmoshenskaya, S.V. *see* Kalmakov, A.A. 9—66382
Podmoshenskii, I.V. *see* Bayunov, V.I. 9—77425
Podmoshenskii, I.V. *see* Belov, S.N. 9—86628
Podmoshenskii, I.V. *see* Dmitrievskii, O.D. 9—55198
Podmoshenskii, I.V. *see* Lakutin, V.A. 9—50896, 9—64946
Podmoshenskii, I.V. *see* Volkova, G.A. 9—64299, 9—94767
Podobeda, L.G. *see* Tsapuk, A.K. 9—96171
Podobedov, V.B. *see* Denisov, V.N. 9—73953
Podobedova, L.I., Ramonas, A.A., Ryabtsev, A.N. Transition $3d^24s$-$3d^24p$ in the spectrum of Mn V 9—63943
Podolak, E. Regulatory controls over the medical use of radioisotopes 9—96660
Podolak, M., Bar-Nun, A. A constraint on the distribution of Titan's atmospheric aerosol 9—96964
Podolak, M. *see* Bar-Nun, A. 9—53766
Podolske, J. Stable sinusoidal driver circuit for tuning fork choppers 9—90017
Podolske, J. *see* Johnston, H.S. 9—74943
Podol'skii, V.N. *see* Chutov, Yu.I. 9—77355
Podol'skii, V.V. *see* Danilov, V.I. 9—56927
Podol'tsev, A.D. *see* Chemeris, V.T. 9—64145
Podoplelov, A.V., Leshina, T.V., Sagdeev, Ren.Z., Molin, Yu.N., Gol'danskii, V.I. Heavy isotope separation using the magnetic isotope effect: Sn as an example 9—59604
Podoplelov, A.V. *see* Vainer, L.M. 9—52631
Podoprigora, V.G., Shabanov, V.F. Line intensities in the low-frequency Raman spectra of the tribromobenzene crystal 9—65863
Podorol'skii, A.N. *see* Volodichev, N.N. 9—62694
Podosek, F.A. *see* Bernatowicz, T.J. 9—79761
Podshibyakina, N.P. *see* Enisherlova, K.L. 9—52517
Podshibyakina, N.P. *see* Kuteinikova, Z.A. 9—87714
Podstrigach, Ya.S., Poddubnyak, A.P., Tikhonenko, V.V. Radiation of the acoustic pressure wave by a linear explosion source into the infinite medium 9—76901
Podus, G.N. *see* Aly, A.A. 9—87692
Podvidz, G.L., Stepanov, G.Yu. Computation of the two-dimensional viscous incompressible fluid flow with separation at the inlet edge around a cascade 9—90232
Podvysotskii, A.M. *see* Milyutin, V.N. 9—64756
Poe, R.T. *see* Schatz, G.C. 9—64070
Poeckert, R. θ Coronae Borealis 9—67022
Poeckert, R., Bastien, P., Landstreet, J.D. Intrinsic polarization of Be stars 9—75213
Poehler, T.O. *see* Potember, R.S. 9—65562
Poehlmann, H. *see* Chu, W.K. 9—83864
Poellot, M.R., Reynolds, D.W. Simultaneous cloud comparisons using digital radar and satellite measurements 9—58077
Poelz, G. *see* Brandelik, R. 9—63491, 9—93441
Poenaru, D.N., Ivascu, M. Computation of liquid drop deformation energy for axial symmetric nuclei 9—59022
Poenaru, D.N., Ivascu, M., Sandulescu, A. Alpha decay as a fission-like process 9—93566
Poenaru, D.N., Mazilu, D., Ivascu, M. Deformation energies for nuclei with different charge-to-mass ratio 9—80869
Poerschke, R., Mantl, S. Positron annihilation studies on an electron irradiated Cu-30 at.% Zn alloy 9—74018
Poerschke, R. *see* Abromeit, C. 9—73344
Poestges, A., Naoumidis, A., Nickel, H. Investigations on the determination of corrosion kinetics and the structure of corrosion products on high-temperature alloys under low oxygen partial pressures 9—87764
Poetschat, G.R. *see* Eich, W.J. 9—67840
Poffe, N. *see* Gamp, A. 9—76021
Pogadayev, V.I., Timin, Ye.N., Khodorov, B.I. Membrane mechanisms of the activation of contractions of the depolarized smooth muscle (guinea-pig Taenia coli) on exposure to physiologically active compounds 9—53071
Pogany, G., Vancso'-Szmercsanyi, I. Polymerization of glass-fibre reinforced unsaturated polyester resin by ultraviolet irradiation 9—100367
Pogarev, D.E. *see* Belousov, M.V. 9—73276
Pogarides, D.Ch. *see* Grant, W.A. 9—87911
Pogarskii, M.A. *see* Kolesnikov, N.V. 9—51531
Poggesi, C. *see* Reggiani, C. 9—74709
Poggi, A. The Antarctic climate 9—66786
Poggi, Y. *see* Malraison, B. 9—99302
Poggio, E.C., Schnitzer, H.J. Vacuum-polarization-corrected long-distance static quark-antiquark potential 9—49475
Poggio, T. *see* Marr, D. 9—83779
Pogodin, I.E. The localization of flares in the Sun's atmosphere from radio observations 9—88641
Pogodin, M.A. *see* Bergner, Yu.K. 9—62566
Pogorelov, A.V. Buckling elastic strain energy of developing shells 9—86363
Pogorelov, L.A. *see* Sobolev, V.I. 9—90841
Pogorelov, V.E. *see* Ostapchuk, L.N. 9—65865
Pogorelov, V.I., Shcherbanina, G.B. Discharge of a supersonic jet from a nozzle with an inclined rim 9—64724
Pogorelov, V.Ye. *see* Lizengevich, A.I. 9—59476
Pogorelov, Yu.G. *see* Ivanov, M.A. 9—56167
Pogorelov, Yu.G. *see* Loktev, V.M. 9—87253
Pogorelov, Y.L. *see* Matrosov, I.I. 9—52030
Pogorel'skii, M.M. Electromechanical effect in barium oxide whiskers 9—65800
Pogorelyi, A.N., Kasyutin, V.Ya. Nuclear magnetic resonance in thin terbium and gadolinium-terbium alloy films 9—99790
Pogorzhel'skii, V.I. *see* Klimenko, V.M. 9—52262
Pogosov, G.A. *see* Gudzenko, A.I. 9—98494
Pogosov, V.S. *see* Akimov, Yu.K. 9—49525
Pogosyan, G.S., Ter-Antonyan, V.M. The connection between Cartesian and polar wave functions of a circular oscillator and the dynamical O(3) symmetry 9—49073
Pogosyan, K.P. *see* Azizyan, H.V. 9—96813
Pogosyan, S.I., Aver'yanov, A.A., Merzlyak, M.N., Veselovskii, V.A. Extracellular chemiluminescence of plant roots 9—70534
Pogosyan, T.A. *see* Pogosyan, Ya.M. 9—61193
Pogosyan, Ya.M., Arutunyan, S.A. The influence of magnetic characteristics of permalloy films on the domain walls streaming 9—82842
Pogosyan, Ya.M., Gevorkyan, S.D., Pogosyan, T.A. Micromagnetic structure of Ni-Fe films in the state of undersaturation in perpendicular fields 9—61193
Pogosyan, Ya.M., Shakaryan, G.G. New principle of the motion of domains along ferromagnetic tunnels 9—99736
Pogrebkov, A.K. *see* Dzhordzhadze, G.P. 9—84942
Pogrebnoi, E.N. *see* Zhak, K.M. 9—57016
Pogrebnyak, A.D., Dulin, F.V., Pronina, E.M., Vetrov, A.N., Sinaiskii, B.N. Tensile strength and thermophysical characteristics of weld seam metal in heat-resistant Cr-Ni alloys 9—91769
Pogrebnyak, A.D., Zheldubovskii, A.V., Kufaev, V.N. Thermionic emission during stretching 9—95897
Pogrebnyak, A.D. *see* Aref'ev, K.P. 9—99974
Pogrebnyak, P.S. *see* Verkhovtseva, E.T. 9—76377
Pogrebnyak, V.P. *see* Bidenko, V.A. 9—68521
Pogrebnyak, Yu.V., Karmanova, N.G., Suslenkova, R.M. Nonselective interferences in atomic-absorption analysis 9—87900
Pogrzeba, W. *see* Drath, P. 9—97339
Pogson, I. Direct reading capacitance meter 9—75513
Pogson, R. *see* Anderson, J. 9—54646
Pogue, H.I. *see* Blair, H.S. 9—66316
Pogurskaya, Zh.L. *see* Gerashchenko, O.A. 9—93136
Pogutse, O.P., Yurchenko, E.I. Influence of shear on plasma stability in a Tokamak 9—98890
Poh, B.-L. ρ as a quantitative measure of transition state structure 9—83438
Pohl, B.A. *see* Hansen, L.F. 9—93612
Pohl, D., Rath, R. Point-dipole theory and optical birefringence of calcite-type carbonates 9—73896
Pohl, D.W. Anomalies in the forced Rayleigh scattering in glasses 9—82988
Pohl, M., Dewit, M., Vander Velde-Wilquet, C., Vilain, P., Haidt, D., Matteuzzi, C., Degrange, B., Francois, T., Van Dam, P., Jaffre, M., Longuemare, C., Calimani, E., Miari, G., Sconza, A. Experimental study of single-pion production in charged-current neutrino interactions 9—49507
Pohl, M. *see* Bonetti, S. 9—49509
Pohl, M. *see* Ciampolillo, S. 9—71739
Pohl, M. *see* Morfin, J.G. 9—71740
Pohl, R.O. Radiation exposure in LWRs higher than predicted 9—59266
Pohler, M. *see* Staupendahl, G. 9—50345
Pohlig, S.C. *see* Oppenheim, A.V. 9—59875
Pohunkova, D. *see* Nemec, J. 9—83903
Poiblaud, G. *see* Goltzene, A. 9—99754
Poiblaud, G. *see* Martin, G.M. 9—56819
Poiblaud, G. *see* Mathieu, H. 9—69854
Poignant, H., Le Marechal, L., Toudic, Y. Study of the solubility of aluminium phosphate ($AlPO_4$) in the hydrothermal solutions of orthophosphoric acid H_3PO_4 9—77539
Poilblanc, R. *see* Serafini, A. 9—76335
Poillerat, G., Brenet, J. Transport numbers and external mobilities in the molten binary mixture (Ag-Cs)Br 9—77787
Poillerat, G., Brenet, J. Molar volumes and molar conductivities of the (Ag-M)Br molten mixtures 9—77788
Poindessault, R. Preparation of photoluminescent and conductive ZnSe:I crystals by iodine vapor transport 9—100035
Poinsot, R. *see* Friedt, J.M. 9—61271
Pointexter, B.D. *see* Eagen, C.F. 9—82439
Pointu, A.M. *see* Auphelle, D. 9—89889
Poirier, D.R. *see* Kou, S. 9—52196
Poirier, J.P., Bouchez, J.L., Jonas, J.J. A dynamic model for aseismic ductile shear zones 9—79763
Poirier, M. *see* Vial, J.C. 9—95820
Poirier, R. RF impedance of the accelerating beam gap and its significance to the TRIUMF RF system 9—68047
Poirier, R.A. *see* Daudel, R. 9—59345

Poirier, S.J., Wood, J.H. A new approach to the measurement of organic carbon 9—74582

Poissant, G. Numerical computation of the concentrations, based on a discontinuation of a complex reactive mixture. Analytical method of partial equilibrium with reaction invariants. Application to a high temperature water and nitrogen plasma 9—52739

Poitevin, J.M., Lemperiere, G., Fourrier, C. Electron energy distributions in a sputtering discharge 9—55557

Poitou, J. *see* Lucas, R. 9—49638, 9—63710

Poizat, J.C. *see* Cue, N. 9—64103, 9—76484

Pokalyakin, V.I. *see* Malákhov, B.A. 9—78197

Pokandyuk, G.I. *see* Mikhailov, V.S. 9—90335

Pokasov, V.V. *see* Gurvich, A.S. 9—98280

Pokasov, V.V. *see* Tatarskii, V.I. 9—98278

Pokataev, E.P., Trykov, Yu.P. Special features of the formation of residual stresses in explosive welding 9—83285

Pokatilov, E.P., Fomin, V.M. Complete nonstationary density matrix of electron-phonon system in the functional integration representation 9—55846

Pokatilov, E.P. *see* Beril, S.I. 9—69575, 9—69576

Pokatilov, V.S., Puzei, I.M., Ivanov-Smolenskii, G.A. Ferromagnetic resonance in an Ni_3Mn single crystal 9—95651

Pokhil, G.P. *see* Chumanov, V.Ya. 9—83086

Pokhmurskii, V.I., Poberezhnyi, Ya.L., Kalichak, T.N. Mechanism of inelastic deformation during cyclic loading in air and in fluid environments 9—52432

Pokhotelov, O.A., Khabazin, Yu.G. Non-linear evolution of ion-cyclotron waves in a magnetospheric plasma during the injection of fast protons 9—55490

Pokhotelov, O.A. *see* Feygin, F.Z. 9—75051

Pokhotelov, O.A. *see* Meyerson, B.I. 9—58188

Poko, Z. *see* Zsinka, L. 9—91938

Pokoeva, V.A. *see* Malkovich, R.Sh. 9—55940

Pokora, L. *see* Denus, S. 9—85166

Pokorny, J., Bowen, R.W., Williams, D.T., Smith, V.C. Duration thresholds for chromatic stimuli 9—57657

Pokorny, J., Laichter, V. Measurement of minority-carrier diffusion lengths in semiconductors using a scanning electron microscope 9—60848

Pokorny, J. *see* Bowen, R.W. 9—53152

Pokorny, L. Trends in measurement technology 9—71437

Pokorny, P. *see* Bohun, A. 9—91505

Pokorski, S. *see* Furmanski, W. 9—75744

Pokotilovskii, Yu.N. *see* Vasil'kov, R.G. 9—59099

Pokropek, A.Todd *see* Todd Pokropek, A.

Pokrovskaya, I.E. *see* Starikova, Z.A. 9—60350

Pokrovski, N.S. *see* Dzhelyadin, R.I. 9—67556

Pokrovskii, A.N. Effect of conductivity of the synapses on the conditions of appearance of spikes 9—79507

Pokrovskii, A.N. *see* Degtyarev, P.A. 9—55725, 9—65058

Pokrovskii, A.N. *see* Dem'yanov, Yu.A. 9—77120

Pokrovskii, D.V. *see* Kononenko, A.S. 9—82819

Pokrovskii, L.A. Nonequilibrium statistical operator method in the theory of a single-mode laser based on two-level atoms 9—89881

Pokrovskii, N.L., Sozaev, V.A. Electron-statistical method of calculating the energy of interaction of solute atoms with grain boundaries in solid solutions of alkali metals 9—73175

Pokrovskii, N.L. *see* Materikin, V.L. 9—51238

Pokrovskii, N.S. *see* Golovkin, S.V. 9—89212

Pokrovskii, N.S. *see* Victorov, V.A. 9—67546

Pokrovskii, O.S. *see* Gogish, L.V. 9—86455

Pokrovskii, V.N., Volkov, V.S. The calculation of relaxation times and dynamical modulus of linear polymer based on one-molecular approximation with self-consistency (a new approach to the theory of visco-elasticity of linear polymers) 9—52293

Pokrovskii, V.N., Volkov, V.S., Vinogradov, G.V. Unimolecular approximation of the theory of viscoelastic linear polymers 9—50613

Pokrovskii, V.V. The effect of low temperatures on the rules of the development of fatigue cracks in 10GN2MFA steel 9—57110

Pokrovskii, V.V. *see* Vainer, L.A. 9—79201

Pokrovskii, Ya.E. *see* Kaminskii, A.S. 9—78754, 9—83003

Pokrovsky, O.M. *see* Kondratyev, K.Ya. 9—88503

Pokrovsky, V.L. Properties of ordered, continuously degenerate systems 9—93040

Pokrowsky, P., Raether, H. Plasma resonance radiation in thin silver films 9—69453

Pokryvaylo, N.A., Nesterov, A.K., Sobolevskiy, A.S., Yushkina, T.V., Zverkhovskiy, Yu.Ye. Employment of the electrodiffusion method in measuring the characteristics of convective heat transfer in various liquids 9—94746

Pokryvaylo, N.A., Sobolevskiy, A.S., Kulebyakin, V.V. Concerning the mechanism by which polymeric additives modify turbulent shear flow without solid boundaries 9—77084

Pokusayev, B.G. *see* Nakoryakov, V.Ye. 9—98775

Pol, Y.S. *see* Inopin, E.V. 9—63571

Pola, J. *see* Wyatt, H.J. 9—100618

Pola, P., Romagnoli, O. Automatic analysis of interictal epileptic activity related to its morphological aspects 9—100758

Polach, H. *see* McLean, R.F. 9—84294

Polach, H.A., McLean, R.F., Caldwell, J.R., Thom, B.G. Radiocarbon ages from the northern Great Barrier Reef 9—84225

Polach, H.A. *see* Thom, B.G. 9—84223

Polacka, B., Weyna, I. Excimer fluorescence of pyrene in polystyrene 9—68249

Poladich, A.V. *see* Eru, I.I. 9—87204

Polak, A., Werle, M.J. Interacting turbulent boundary layer over a wavy wall 9—55366

Polak, A.J. *see* Chang, R.P.H. 9—77937, 9—91821

Polak, J. *see* Vlachynsky, J. 9—91725

Polak, L.S. *see* Kurochkin, Yu.V. 9—86629

Polak, R. *see* Vojtik, J. 9—89619

Polakos, P.A. *see* Sulak, L. 9—59317

Polanco, S.E., Quateman, J.H., Bretz, M. Layering and thermal conductivity of ^{4}He films on uniform graphite 9—51386

Poland, A.I. *see* Gergely, T.E. 9—71010

Poland, D. Markov chains in the 2-d Ising model: exact solutions for special cases 9—88885

Poland, D. Phase transitions in lattice gases with linear clusters. II. Behavior on the Bethe lattice 9—97307

Poland, D., Swaminathan, P.K. Phase transitions in lattice gases with linear clusters. I. Singularities in activity and low temperature series; interacting dimers 9—97306

Polandov, I.N. *see* Chernenko, V.A. 9—95716

Polandov, I.N. *see* Gulish, O.K. 9—99840

Polanschutz, W., Tomberger, G. The magneto-inductive method of detecting discontinuous variations of stress in mechanically stressed ferromagnetic materials. II. Application to material testing 9—52547

Polansky, O.E. *see* Bachler, V. 9—91918

Polansky, O.E. *see* Perram, J.W. 9—100562

Polanyi, J.C. *see* Bartoszek, F.E. 9—72400

Polanyi, J.C. *see* Bly, S.H.P. 9—100336

Polanyi, J.C. *see* Brown, R.D.H. 9—72399

Polanyi, J.C. *see* Esche, B.A. 9—86043

Polarush, A.Yu. *see* Baranov, D.S. 9—80821

Polaschegg, H.D. *see* Oelhafen, P. 9—74062

Polasik, M. *see* Jankowski, K. 9—93927

Polasik, M. *see* Malinowski, P. 9—97985

Polatajko, O.W. *see* White, A. 9—66610

Polavarapu, R.J. Atmospheric turbidity over Canada 9—53515

Polcaro, F.V. *see* Ubertini, P. 9—62716

Polcyn, R.E. *see* Holden, J.E. 9—62357

Polcyn, R.E. *see* Venkatesh, N. 9—92366

Polden, P.G. *see* Mollon, J.D. 9—79548

Polder, D., Schuurmans, M.F.H., Vrehen, Q.H.F. Superfluorescence: quantum-mechanical derivation of Maxwell-Bloch description with fluctuating field source 9—55096

Polder, D. *see* Schuurmans, M.F.H. 9—85933

Pole, B.V. *see* Latta, M.R. 9—89866

Polenur, A.V. *see* Pet'kov, V.V. 9—49355

Polesskaya, L.M., Grichuk, V.V., Balabanov, A.A., Marasanov, V.V. Determination of the coordinates of a defect in structures with arbitrary surface 9—66239

Poletaev, B.K. *see* Lunkin, B.V. 9—88909

Poletaev, E.D. *see* Kononov, V.N. 9—89312

Poletayev, A.S. *see* Baryshev, V.I. 9—53535

Poletika, I.M., Zherdev, A.M., Panin, V.E., Kochepasov, I.I. X-ray spectral investigation of segregation of zirconium in a molybdenum alloy 9—74154

Poletti, A.R. *see* Beale, D.J. 9—93551

Poletto, G. Brightness fluctuations of solar ultraviolet line intensities during a shock-wave passage 9—66990

Polevaya, N.A. *see* Beneslavskii, S.D. 9—69519

Polevikov, M.P. *see* Zakharnev, A.P. 9—50399

Polevoi, A.S. *see* Andreev, B.M. 9—71979

Polevoi, P., Plonka, A. ESR and optical absorption spectra of electrons trapped at 77K in 6-20 M alkaline ices 9—66318

Polezhaev, V.I. *see* Gryaznov, V.L. 9—64653

Polezhaev, Yu.A., Rakhmatulin, Kh.A. Investigation of pressure-discontinuity system with one and two triplets, taking into account equilibrium physicochemical transformations of air 9—90350

Polezhayev, A.A. *see* Palamarchuk, Ye.K. 9—92180

Polezhayev, S.A. *see* Grishanov, B.I. 9—74067

Polezzo, S. *see* Fantucci, P. 9—49932

Poli, G. *see* Felloni, L. 9—70206

Poliakoff, E.D., Southworth, S.H., Shirley, D.A., Jackson, K.H., Zare, R.N. Polarized fluorescence from photodissociation fragments: a study of ICN photolysis using synchrotron radiation 9—98130

Poliakoff, E.D. *see* Thornton, G. 9—86009

Polian, A., Kunc, K., Le Toullec, R., Dorner, B. Lattice dynamics of the layer semiconductor gallium sulphide 9—95105

Policella, H. *see* Baudin, G. 9—77037

Polichar, R. *see* Orphan, V. 9—54748

Polikanin, A.M. *see* Kuz'michev, A.A. 9—64184

Polikanov, S.M., Chultem, D. Excitation of high-spin states during negative-pion absorption by atomic nuclei 9—49569

Polikar, A. *see* Feschotte, P. 9—70040

Polikarov, A.P. On the hypothetico-deductive (h-d) model of scientific theories 9—58516

Polikarpov, A.M. *see* Kogan, S.Ya. 9—84141

Poling, G.W., Notoya, T. Corrosion pretreatments for copper-zinc alloys 9—100280

Polinszky, K., Bator, B., Fay, G., Fulop, J., Toros, R. A logic theory of hazards and its application to combustion processes 9—91953

Polishchuk, E.S. *see* Zorii, V.I. 9—49228

Polishchuk, S.A. *see* Volkova, L.M. 9—60344

Polishchuk, S.G. *see* Zadorozhnyi, V.G. 9—66008

Polishchuk, V.N. *see* Buki, A.Yu. 9—80927

Polit, A., Bizzi, E. Processes controlling arm movements in monkeys 9—53080

Politch, J. *see* Lev, A. 9—75498

Politi, A., Jouve, G., Servant, C., Severac, C. Electron diffraction study of the structure of the anodic films formed by an intensiostatic way on titanium in acid solution. Influence of the pH and the current density 9—66217

Politi, A. *see* Arecchi, F.T. 9—75456

Politi, M. *see* Capsoni, C. 9—84342

Politis, C. *see* Steiner, P. 9—65980

Polito, W.J. *see* Andrews, J.M. 9—78240

Politovich, M.K. *see* Hobbs, P.V. 9—84395

Politzer, H.D., Wolfram, S. Bounds on particle masses in the Weinberg-Salam model 9—49437

Politzer, H.D. *see* Ellis, R.K. 9—58927

Politzer, P., Daiker, K.C., Trefonas, P., III A proposed formula for the energy of an atom in a molecule 9—63885

Politzer, P.A. *see* Hershcovitch, A. 9—90399

Polivanov, M.K. *see* Dzhordzhadze, G.P. 9—84942

Polivanov, Yu.N., Poluektov, S.N. Photographic recording of low-frequency spectra of the Raman scattering of light by polaritons in $LiNbO_3$ and $LiTaO_3$ 9—73952

Polivanov, Yu.N., Sayakhov, R.Sh. Hyper-Raman scattering of light in a calcite crystal 9—69844

Polivanov, Yu.N., Sukhodol'skii, A.T. Measurement of the dispersion of the cubic nonlinear susceptibility of the crystal $LiIO_3$ 9—76747

Polizzotti, R.S., Ehrlich, G. Chemisorption on perfect surfaces: hydrogen and nitrogen on tungsten and rhodium 9—86979

Polizzotto, C. Upper bounds on plastic strains for elastic-perfectly plastic solids subjected to variable loads 9—86346

Poljakov, A.G. *see* Alkhazov, G.D. 9—75957

Polk, D.E. *see* Kerns, A.J. 9—52747

Polk, I. *see* Buchanan, V. 9—76198

Polk, I. *see* Kaugerts, J. 9—76197

Polke, R., Herrmann, W., Sommer, K. Characterization of agglomerates 9—100443

Polkhovskaya, T.M. *see* Agishev, B.A. 9—73257, 9—95710

Polkhovskaya, T.M. *see* Sil'vestrova, I.M. 9—55809

Poll, J.D. *see* Gibbs, P. 9—81202

Pollacco, E.C., Garrett, C., Weisser, D.C. Differences in ^{16}O and ^{18}O induced inelastic scattering 9—63698

Pollacco, E.C. *see* Bhowmik, R.K. 9—93649

Pollack, A., Bagwell, C.B., Irvin, G.L., III Radiation from tritiated thymidine perturbs the cell cycle progression of stimulated lymphocytes 9—57726

Pollack, I. Discrimination of uniform spectrum pulse sequences 9—88086

Pollack, J.B. Climatic change on the terrestrial planets 9—53742

Pollack, J.B., Burns, J.A., Tauber, M.E. Gas drag in primordial circumplanetary envelopes: a mechanism for satellite capture 9—53741

Pollack, J.B., Colburn, D.S., Flasar, F.M., Kahn, R., Carlston, C.E., Pidek, D. Properties and effects of dust particles suspended in the Martian atmosphere 9—84717

Pollack, J.B. *see* Haberle, R.M. 9—96942

Pollack, J.B. *see* Witteborn, F.C. 9—101113

Pollack, M.A. *see* Gordon, J.P. 9—88999

Pollack, M.A. *see* Mahajan, S. 9—86791

Pollaine, S., Buffington, A., Crawford, F.S. Measurement of the size of the isoplanatic patch using a phase-correcting telescope 9—53732

Pollak, E., Bernstein, R.B. Note on the products' translational energy for the reaction of CH_3Br and CH_3I with Rb and K 9—70314

Pollak, E. *see* Pechukas, P. 9—98191

Pollak, F.H., Feldblum, A., Park, H.D., Vanier, P.E. Piezospectroscopic determination of the electron-phonon to hole-phonon interaction in Si and Ge 9—95783

Pollak, F.H., Okeke, C.E., Vanier, P.E., Raccah, P.M. Variations in the carrier concentration in elemental and compound semiconductors utilizing electrolyte electroreflectance: A topographical investigation 9—99562

Pollak, F.H. *see* Ranvaud, R. 9—99481

Pollak, M., Knotek, M.L. Correlation effects in hopping transport 9—65480

Pollak, M. *see* Chroboczek, J. 9—95412

Pollak, V. Optical measurements on scattering media for biomedical applications 9—83890

Pollakowski, G., Schmidt, I., Keiler, J.-A. Investigations on the kinetics of film development with viscous solutions (pastes) 9—83482
Pollard, A., Thyagaraja, A. A new method for handling flow problems with body forces 9—68715
Pollard, D.D., Holzhausen, G. On the mechanical interaction between a fluid-filled fracture and the Earth's surface 9—79779
Pollard, G.S.G. *see* Branduardi, G. 9—71157
Pollard, H.F. *see* Anderson, A.R. 9—99191, 9—99208
Pollard, J.P. *see* Barry, J.M. 9—63712
Pollard, W.B., Joannopoulos, J.D. Electronic structure of defects in amorphous arsenic 9—73471
Pollet, J.-C., Burns, S.J. Crack-velocity correction factor for the crack-front shape in double torsion specimens 9—98668
Pollini, I., Spinolo, G. Optical properties of $FeCl_2$ and $FeBr_2$ around the Neel temperature 9—78658
Pollini, I. *see* Nosenzo, L. 9—56770
Pollitsch, G.F. Bright Be stars 9—67027
Pollmann, J., Pantelides, S.T. New method for the electronic structure of heterojunctions. Application to the (100) Ge-GaAs interfaces 9—73572
Pollock, A.A. Quantitative evaluation of acoustic emission from plastic zone growth 9—100328
Pollock, B. *see* Girtler, P. 9—89197
Pollock, C.R., Kasper, J., Ernst, G.K., Ernst, W.E., Blit, S., Tittel, F.K. Computer controlled CW laser spectrometer 9—75618
Pollock, F. *see* Bernstein, J. 9—63654
Pollock, R.E. IUCF status report 9—54644
Pollock, R.E. *see* Marrs, R.E. 9—85462
Pollock, R.E. *see* Pile, P.H. 9—63667
Pollock, W.J. Application of compliance techniques for studying the effect of side-grooving on stress-corrosion crack kinetics of a high strength steel 9—74312
Pollock, W.J., Farrell, A.J. An ultrasonic pulse-height difference method of recording stress corrosion crack growth over an extended period 9—70235
Polmear, I.J. Effects of peening on the fatigue performance of aluminium alloy fillet welds 9—91853
Polnaszek, C.F., Schreir, S., Butler, K.W., Smith, I.C.P. Analysis of the factors determining the EPR spectra of spin probes that partition between aqueous and lipid phases 9—79455
Polnikov, V.G. Electronic properties of films in a longitudinal magnetic field 9—73603
Polok, G. *see* Gorlich, L. 9—71766
Polonic, G. *see* Radu, C. 9—84167, 9—84168
Polonskii, L.Ya. *see* Komel'kov, V.S. 9—90476
Polonskii, V.S., Malashkin, I.I. An experimental study of heat-exchange intensification in the transcritical region of steam-generating channels 9—55371
Polonskii, V.S., Zuikov, A.S., Leont'ev, A.I., Styrikovich, M.A. A model for concentration by boiling in an open-pore structure 9—76947
Polonskii, V.S. *see* Styrikovich, M.A. 9—81710
Polonskii, Yu.A. *see* Vainer, V.S. 9—69716
Polotnyuk, V.V. *see* Efimova, T.V. 9—87631
Polotskii, V.A. *see* Palatnik, L.S. 9—69703
Polovin, R.V. *see* Demutskii, V.P. 9—90421
Polovina, A.I. *see* Ostrovskii, I.V. 9—76929
Polovinkin, A.N. *see* Anikin, V.I. 9—55227
Polovinko, I. *see* Stankowska, J. 9—82997
Polozhentsev, D.D. Parameters of solar motion, galactic rotation and corrections to the precessional constant in the system of proper motions in right ascension of the general catalogue for the southern hemisphere 9—92685
Polozok, N.V. *see* Gutkina, N.G. 9—99899
Polozov, R.V. *see* Bruskov, V.I. 9—79449
Pols, C.L. *see* Gurtu, A. 9—49517
Pols, L.C.W. Intelligibility of intervocalic consonants in noise 9—68514
Pols, L.C.W. *see* van Heusden, E. 9—68500
Polshkov, M.K., Kondratovich, Yu.V., Urupov, A.K., Bereza, V.G. Study of the thinning-out zones by composite processing of reflected-waves complex spectra 9—84531
Polshkov, M.K., Kuznetsov, A.I. Analysis of geophysical field in a data-processing optical system with randomly misaligned parameters 9—84524
Polster, F.-J. *see* Jarsch, V. 9—89449
Poltavets, V.N. *see* Abakumov, G.A. 9—59696
Poltev, V.I. *see* Bruskov, V.I. 9—79449
Poltev, V.I. *see* Khutorskii, V.Ye. 9—53030
Poltev, V.I. *see* Khutorsky, V.E. 9—96513
Poltorakov, A.P., Chibrikin, V.M., Piruzyan, L.A. Kinetic model of single muscular contraction 9—57629
Poltoratski, Yu.B. *see* Fugol, I.Ya. 9—69893
Poltoratskii, Yu.B. *see* Fugol, I.Ya. 9—87481
Polturak, E., Rosenbaum, R. Entropy of transfer for a 6.4% ^{3}He-^{4}He solution 9—56013
Poludin, V.I. *see* Maksimenko, Yu.N. 9—56092
Poludin, V.I. *see* Svechnikov, S.V. 9—78895
Poluektov, I.A. *see* Lisovets, Yu.P. 9—76727
Poluektov, S.N. *see* Polivanov, Yu.N. 9—73952
Polukarova, Z.M., Andreeva, I.A., Bryukhanova, L.S., Petrova, I.V., Shchukin, E.B. Effectiveness of action of metallic melts in process of cutting high-strength materials 9—57201
Polukhin, V.A. *see* Ukhov, V.F. 9—69005
Polukhin, V.N. *see* Nefedov, B.L. 9—72657
Polukhin, V.N. *see* Petrovskii, G.T. 9—76775
Polunin, V.M. Residual magnetization of a ferrosuspension 9—78443
Polupanov, A.F. *see* Kogan, Sh.M. 9—56823
Polus, E. *see* Pavot, B. 9—54535
Polushchenko, O.L., Fadeeva, V.I., Aleshina, N.M., Nizhel'skii, N.A. Influence of heating support on structure and properties of ferrite films in case of plasma sputtering 9—78445
Poluyanova, A.G. *see* Abuzin, Yu.M. 9—65844
Polvado, R., Baranko, G., Ems, S., Gray, S., Lepore, R., Martin, B., Neal, H., Ogren, H., Rust, D., Smith, P., Walters, G. Proton polarization in inclusive processes at 100, 200, 300, and 400 GeV 9—63543
Polvado, R.O., Ems, S.C., Gray, S.W., Lepore, R.M., Neal, H.A., Ogren, H.O., Rust, D.R., Walters, G.A. Proton polarization in inclusive processes at 100-400 GeV 9—58983
Polve, M. *see* Allegre, C.J. 9—92512
Polyachenko, A.L., Tseitlin, V.G. A quantitative analysis of information content in pulse neutron logging 9—84541
Polyaev, V.M., Bocharova, I.N. Investigation of porous evaporative cooling for subcritical, critical, and supercritical coolant parameters 9—55372
Polyak, B.I. *see* Guzman, I.Ya. 9—83150
Polyakhova, E.N. *see* Grinevitskaya, L.K. 9—88576
Polyakov, A.A. *see* Yurova, L.N. 9—71923
Polyakov, A.F. *see* Kuleshov, V.A. 9—55370
Polyakov, A.F. *see* Petukhov, B.S. 9—86427
Polyakov, A.L. *see* Daichik, M.L. 9—49648
Polyakov, A.M. String representations and hidden symmetries for gauge fields 9—49378
Polyakov, A.P. *see* Ryabkov, V.V. 9—84529
Polyakov, A.S. *see* Nakhutin, I.E. 9—76092
Polyakov, A.Ya. *see* Zaitov, F.A. 9—51584
Polyakov, B.I. *see* Abakumov, G.A. 9—76442, 9—98353
Polyakov, D.A., Abramova, V.N., Kulikov, F.R., Vas'kin, Yu.V., Yasinskii, K.K., Prostov, I.A. The effect of filler material and heat treatment on the mechanical properties of welded joints in cast titanium alloy VT9L 9—87671
Polyakov, L.M., Chekanov, S.Ya., Danilov, A.P. Instrument for shock testing of microsamples 9—52525
Polyakov, N.F., Epik, E.Ya., Kosorygin, V.S., Rumyantseva, L.A. Structure of a turbulent boundary layer with a low degree of turbulence of the external flow 9—68689
Polyakov, N.P. A compensation technique for measuring the saturated flux density of cores with a square hysteresis loop 9—54158
Polyakov, N.Ph. The influence of the low free stream perturbations on the condition of laminar boundary layer 9—98738
Polyakov, S.M. *see* Novik, G.A. 9—56094
Polyakov, S.P., Bulanyi, P.F., Pisanko, S.N. An experimental study of influence of degree of swirling of a plasma air jet and introduction of natural gas into it on temperature and velocity fields 9—90473
Polyakov, S.V. *see* Kotik, D.S. 9—66873
Polyakov, V.A. *see* Abramyan, E.A. 9—91864
Polyakov, V.I. *see* Kizin, V.D. 9—63737
Polyakov, V.L., Serebryakov, V.V. Stationary filtration to an imperfect borehole in uniform media, taking account of the hydrodynamics inside the borehole 9—88375
Polyakov, V.N. *see* Gokhberg, Ya.A. 9—52493
Polyakov, V.V. *see* Shchegolev, E.A. 9—90753
Polyakov, Yu.A. *see* Bautin, A.V. 9—81472
Polyakov, Ye.V. *see* Kagan, B.A. 9—53359
Polyakova, A.A. *see* Yurova, L.N. 9—63738
Polyakova, G.D. A determination of the spectrophotometric gradients of some galaxies 9—92861
Polyakova, I.B., Lebedeva, S.B., Tsukanov, P.N., Kuzyakova, T.M., Galushkin, A.N. FM-Ts-2 medical fluorimeter 9—92323
Polyakova, L.M. *see* Zhurkin, V.V. 9—89313
Polyakova, N.A. *see* Nosova, G.I. 9—74155
Polyakova, P.V. *see* Aksenov, V.G. 9—54224
Polyakova, S.B. *see* Baiburina, S.G. 9—80156, 9—80170
Polyakova, V.B. *see* Semenenko, K.N. 9—51068
Polyakova, V.P. *see* Gorina, N.B. 9—61873
Polyanichev, A.N. Absorption of laser radiation by a dense expanding plasma 9—90417
Polyanichev, A.N. *see* Gorbunov, L.M. 9—98876
Polyanin, A.D. Diffusional interaction of drops in a liquid 9—81947
Polyanin, A.D. *see* Gupalo, Yu.P. 9—64738, 9—86489
Polyanskii, A.F., Skurin, L.I., Yurkov, A.V. The method of approximate calculation of a hypersonic flow field along and behind a body 9—86461
Polyanskii, V.A. On the forces acting on a partially ionized medium in an electric field 9—86522
Polyanskii, V.K., Tanashchuk, M.P. Effect of a fissured layer on polarization properties of ground glass surfaces 9—64172
Polyanskii, V.K. *see* Strinadko, L.V. 9—98518
Polyanskii, V.M. *see* Kurtasova, L.A. 9—52438
Polyanskii, V.M. *see* Zenkova, E.K. 9—96148
Polyanskov, Yu.V., Valkin, M.M. Breakdown and exhaustion of lubricating and cooling liquids during diamond-abrasive polishing 9—96196
Polyarus, A.N., Steklov, O.I. Device for stress corrosion testing of specimens 9—52502
Polyarush, A.Yu. *see* Baranov, D.S. 9—54334, 9—58953
Polychronakis, K.S., Euthymiou, P.C. Determination of shallow traps in n-type GaP 9—99563
Polychronakos, V.A., Cason, N.M., Bishop, J.M., Biswas, N.N., Kenney, V.P., Rhines, D.S., Ruchti, R.C., Shephard, W.D., Stangl, M.J., Watson, J.M. Study of the reaction $\pi^- p \to n K_s^0 K_s^0$ at 6.0 and 7.0 GeV/c 9—49539
Polychronakos, V.A. *see* Cutts, D. 9—85346
Polyukhov, V.G. *see* Gabeskiriya, V.Ya. 9—71938
Polyukhov, V.V. *see* Presnyakov, A.A. 9—87790
Polyzou, W.N., Redish, E.F. Unified connected theory of few-body reaction mechanism in N-body scattering theory 9—71822
Polyzou, W.N., Redish, E.F. Hamiltonian formulation of N-body theories 9—75938
Polze, S. *see* Mory, S. 9—59720
Polzer, W.L. *see* Fowler, E.B. 9—96488
Polzik, E.S. *see* Chaika, M.P. 9—76381
Pomazi, L. On post-buckling behaviour of regularly multilayered rectangular elastic plates 9—98643
Pomeau, Y. *see* Derrida, B. 9—69678
Pomelov, N.N. *see* Bayukov, Yu.D. 9—49538
Pomeranskii, A.A., Tomashevskii, Yu.F. Spatial structure of multiple beam Fizeau interference 9—71517
Pomeransteva, L.L. *see* Treushnikov, V.M. 9—58828
Pomerantsev, G.B. *see* Alekhin, L.A. 9—97898
Pomerantsev, G.B. *see* Bakumenko, O.D. 9—97869
Pomerantsev, G.B. *see* Yurchenko, D.S. 9—97868
Pomerantsev, V.N., Kukulin, V.I. Method of orthogonalized distorted waves in the many-body scattering theory 9—75940
Pomerantsev, V.N. *see* Kukulin, V.I. 9—76001
Pomerantseva, L.L. *see* Treushnikov, B.M. 9—97464
Pomerantsis, Ya.R. *see* Baltin, Yu.P. 9—100310
Pomes, R. *see* Smolin, Yu.I. 9—94996
Pominov, I.S. *see* Remizov, A.B. 9—91443, 9—91444
Pommaret, J.-F. Cohomological deformation of infinitesimal Lie algebras 9—53961
Pommereau, J.-P., Hauchecorne, A. Nitrogen dioxide spectral observations from the ground 9—53511
Pommier, J. *see* Olsen, J.O. 9—68314
Pommier, J. *see* Renard, J.P. 9—61177
Pommier, J. *see* Reynaud, C. 9—89775
Pomorski, K. *see* Baran, A. 9—67637
Pomortseva, A.A. *see* Berg, B.V. 9—60058
Pomosov, A.V., Kotovskaya, N.L., Brygalova, N.V. Electrolytic silver-plating of iron powder 9—66017
Pomosov, A.V., Murashova, I.B., Vorob'ev, V.I., Trifonova, N.I. Effect of the character of the cathode surface on the growth kinetics of dispersed copper deposits 9—70007
Pomot, C. *see* Pelletier, J. 9—52070, 9—78848, 9—93850
Pompe, G. *see* Reiche, K. 9—87078
Pompe, R. A thermodynamic analysis of the solubility of nitrogen gas in manganese in the range 13-25 at.% N 9—90783
Pompei, A. *see* Quarati, P. 9—86087
Pomphrey, R.B. *see* Epstein, E.E. 9—67102
Pomraning, G.C. The criticality problem for highly anisotropic scattering 9—58658
Pomraning, G.C., Foglesong, G.M. Transport-diffusion interfaces in radiative transfer 9—98598
Pomraning, G.C. *see* Wilson, H.L. 9—63713
Ponce, W.A. Heavy quarks in a spherical bag 9—63429
Poncet, A. *see* Brunet, J.-C. 9—76211
Poncini, M. *see* De Mori, R. 9—64422
Pond, C.M. *see* Palmer, R.G. 9—73740
Pond, C.R. *see* McKay, J.A. 9—86595
Pond, R.C. On the symmetry and structure of (001) twist boundaries in f.c.c. metals 9—82242
Pond, R.C., Vitek, V., Smith, D.A. Grain boundary structures in FCC and BCC metals and sites for segregated impurities 9—73173
Pond, R.C. *see* Vitek, V. 9—60383
Pond, R.C. *see* Warrington, D.H. 9—90673
Ponenaru, D.N., Ivascu, M., Sandulescu, A. Alpha decay studied by fission methods 9—93565
Ponette, E. *see* Coenen, Y. 9—66552
Pong, W., Okada, S.K. Ultraviolet photoelectron spectra of ZnF_2 and $ZnCl_2$ 9—83103
Pongratz, M.B. *see* Koons, H.C. 9—53648
Poniewierski, A. *see* Dudowicz, J. 9—82141
Ponikarov, B.B. *see* Arapov, U.G. 9—82560

Poninski, M., Iwanenko, T., Mielcarski, M. Sorption of strontium-90 on anodized aluminum. II 9—82458
Ponnamperuma, C. *see* Pearl, J. 9—92704
Ponnamperuma, C. *see* Raulin, F. 9—75142
Ponnuswamy, M.N. *see* Parthasarathy, S. 9—73058
Ponomarenko, A.G. *see* Antonov, V.M. 9—64929
Ponomarenko, A.G. *see* Dembinski, M. 9—68361
Ponomarenko, S.P. On solution of one kind of the systems of dual integral equations 9—88809
Ponomarenko, T.T. Rapid method for determining the feasibility of electrochemical protection of metals from corrosion 9—70220
Ponomarenko, V.P. *see* Bovina, L.A. 9—73538
Ponomarenko, Yu.B. *see* Pisarevskii, V.M. 9—98743
Ponomarev, A.N. *see* Dukhovskoi, E.A. 9—87140
Ponomarev, A.N. *see* Grebinnik, V.G. 9—56667, 9—56694
Ponomarev, A.N. *see* Gurevich, I.I. 9—56676
Ponomarev, A.P. *see* Krylov, B.S. 9—100189
Ponomarev, B.K. *see* Antonov, V.E. 9—65674, 9—69671
Ponomarev, G.A. *see* Arzhevikin, Yu.A. 9—84442
Ponomarev, L.A. Double diffractive dissociation of nucleons in the reaction $NN \to (N\pi)(N\pi)$ 9—54354
Ponomarev, L.A. *see* Boos, E.G. 9—49548
Ponomarev, L.I. *see* Abramov, D.I. 9—63069
Ponomarev, V.F. *see* Izotov, A.D. 9—60302
Ponomarev, V.I., Fal'kovich, S.Ye. Reconstruction of random fields by the methods of the theory of statistical decisions 9—72509
Ponomarev, V.I. *see* Filipenko, O.S. 9—86782
Ponomarev, V.N. *see* Barvinskii, A.O. 9—92903
Ponomarev, V.Yu., Soloviev, V.G., Stoyanov, Ch., Vdovin, A.I. Magnetic quadrupole resonance in spherical nuclei 9—75947
Ponomarev, Yu.A. *see* Didkovskaya, O.S. 9—52140
Ponomarev, Ya.G. *see* Brandt, N.B. 9—73533
Ponomarev, Ya.G. *see* Karakushan, E.I. 9—91134
Ponomarev, Ya.G. *see* Mironova, G.A. 9—87114
Ponomarev, Yu.I. Kinetic energy operator for a polyatomic molecule in exact vibrational coordinates 9—63984
Ponomarev, Yu.I., Pavlyuchko, A.I. Kinematic anharmonicity in normal coordinates 9—54838
Ponomarev, Yu.I. *see* Khovrin, G.V. 9—50159
Ponomarev, Yu.V. *see* Landa, P.S. 9—94794
Ponomarev-Stepnoi, N.N. *see* Legasev, V.A. 9—97886
Ponomareva, E.L. *see* Matveev, V.V. 9—66191
Ponomareva, T.N. *see* Mirzaev, D.A. 9—70063
Ponosov, A.K. *see* Biryukov, Yu.A. 9—89332
Ponpon, J.P., Siffert, P. Further results on the aging of silicon Schottky diodes. Influence of the metal 9—99620
Ponpon, J.P., Stuck, R., Siffert, P. Interface properties and stability of Schottky barriers and MIS solar cells 9—61984
Pons, A. *see* Corrons, A. 9—100960
Pons, D. *see* Mitonneau, A. 9—99510
Pontau, A.E., Lazarus, D. Diffusion of titanium and niobium in BCC Ti-Nb alloys 9—73333
Ponte, N.S. *see* Stirling, W.L. 9—97920
Ponte Goncalves, A.M. *see* Gillies, R. 9—97409
Pontecorvo, B. Tagging direct neutrinos. A first step to neutrino tagging 9—67532
Pontecorvo, G.B. *see* Balestra, F. 9—76041, 9—85427, 9—85495, 9—85513, 9—85517
Pontecorvo, G.B. *see* Falomkin, I.V. 9—85376
Ponticelli, G. *see* Sastry, B.A. 9—64020
Pontier, L. *see* Albuisson, M. 9—62517
Pontier, R. *see* Conte, F. 9—97892
Pontiggia, C. *see* Ottonello, P. 9—80671
Ponting, J.F. *see* Ball, A.P. 9—100936
Pontnau, J. *see* Lourtioz, J.M. 9—76667
Ponyatenko, N.A. *see* Tolchinskaya, O.E. 9—95703
Ponyatovskii, E.G. *see* Antonov, V.E. 9—65674, 9—69671, 9—91018
Ponyatovskii, E.G. *see* Bashkin, I.O. 9—52174
Ponyatovskii, E.G. *see* Belash, I.T. 9—51260
Ponyatovskii, E.G. *see* Fedotov, V.K. 9—93158
Ponyatovskii, E.G. *see* Ivakhnenko, S.A. 9—66051, 9—82328
Ponzetti, L. *see* Alfonso, G.C. 9—66082
Ponzi-Bossi, M.G. *see* Albertini, G. 9—95136
Poo Mu-Ming *see* Mu-Ming Poo
Pool, M.J. *see* Gerling, U. 9—87615
Pool, T.P. *see* Kupsch, J. 9—75680
Pooladdej, D. *see* Walsh, P.J. 9—78139
Poole, A.W.V. On the use of pseudorandom codes for 'chirp' radar [ionospheric sounder] 9—84504
Poole, C.D. *see* Jolly, D.C. 9—68967
Poole, C.L. *see* Hirst, A.N. 9—100611
Poole, C.P., Jr. *see* Tancredo, A. 9—50049
Poole, L.M.G. Further thoughts on piano tuning 9—71199
Poole, R.L. *see* Guy, A.G. 9—73332
Poole-Wilson, P.A. *see* Cobbe, S.M. 9—100781
Pooley, G.G. Radio studies of the double QSO 0957+561A, B 9—88762
Poon, C., Hoeppner, D.W. The effect of environment on the mechanism of fretting fatigue 9—61775
Poon, C.S., Choy, T.T.C. Transient response studies of biological cell impedance 9—53066
Poon, K.C., Chang, Y.P. Heat conduction in cylinders of an anisotropic medium 9—94458
Poon, S.J., Johnson, W.L. Electronic and transport properties of liquid quenched amorphous $(Mo_{1-x}Ru_x)_{80}P_{20}$ superconductors 9—56376
Poon, S.J. *see* Durand, J. 9—61178
Poor, J. Radiation detection in the technique of fluorometric measurements 9—71535
Poore, R.V. *see* McMillan, D.E. 9—89541
Poore, R.V. *see* Sunier, J.W. 9—89547
Poortmans, F. *see* Mewissen, L. 9—54436
Poots, G. *see* Howarth, J.A. 9—50700
Pop, I., Dihoiu, N., Coldea, M. Magnetic behaviour of the intermetallic system $Gd_2Nd_{17-x}Al_x$ 9—73675
Pop, I., Dihoiu, N., Coldea, M., Hagan, C. The crystalline structure of the intermetallic compounds $Gd_2Ni_{17-x}Al_x$ 9—65034
Pop, I., Rus, E., Coldea, M., Pop, O. Knight shift and magnetic susceptibilities of intermetallic compounds $PrCu_4$ and $PrCu_5$ 9—95570
Pop, I., Rus, E., Coldea, M., Pop, O. Knight shifts and magnetic susceptibilities of the intermetallic compounds $CeCu_4$ and $CeCu_5$ 9—95656
Pop, I., Soundalgekar, V.M. Unsteady free convection flow past an infinite plate with constant suction and heat sources 9—81868
Pop, I. *see* Katagiri, M. 9—55391, 9—77115
Pop, M.G.M., Manea, D., Ursu, E. Safety features in steam generator stress analysis for some accidents 9—54560
Pop, O. *see* Pop, I. 9—95570, 9—95656
Pop, S.S. *see* Drobnich, V.G. 9—91504
Pop, V. *see* Rogojan, A. 9—80396
Popa, M.S. Estimation of unknown nuclear masses by means of the generalized mass relations. II. Garvey-Kelson generalized mass relations 9—75827
Popa, V.N. *see* Manushevich, G.N. 9—50397
Popandopulo, A.N. *see* Tarasov, A.N. 9—57155
Popczyk, G. *see* Calusinski, B. 9—71472
Popczyk-Lapczynska, G. *see* Calusinski, B. 9—54148
Pope, C.N. *see* Gibbons, G.W. 9—58611
Pope, C.N. *see* Hawking, S.W. 9—93029
Pope, D.P. *see* Ritter, A. 9—82223
Pope, J.M. *see* Cornell, B.A. 9—78554
Pope, M., Arnold, S., Rozenshtein, L. Photophoretic spectroscopy 9—50841
Pope, M. *see* Arnold, S. 9—87564
Pope, M.H., Buturla, E.M., Wilder, D.G., Frymoyer, J.W. Changes in the form of the lumbar spine 9—96607
Pope, M.H. *see* Frymoyer, J.W. 9—74708
Pope, M.H. *see* Weisman, G. 9—92284
Pope, M.T. *see* Harmalker, S.P. 9—78504
Pope, R. Computer with eyes [for IC mask testing] 9—55065
Pope, R.B. *see* Curl, M.L. 9—85640
Pope, R.B. *see* Yoshimura, H.R. 9—59206
Pope, R.H. Power station control room and desk design, alarm system and experience in the use of cathode-ray-tube displays 9—89464
Pope, S.B. The statistical theory of turbulent flames 9—70329
Pope, S.B. *see* Dopazo, C. 9—72959
Pope, W.M. *see* Eisele, F.L. 9—86552
Pope, W.M. *see* Thackston, M.G. 9—68896
Popechits, V.I. *see* Koyava, V.T. 9—87505
Popeko, A.G. *see* Flerov, G.N. 9—96781
Popel', O.S., Sinkevich, O.A., Shevchenko, A.L. Formation of a secondary shock wave with the deceleration of a supersonic flow in a magnetic field 9—90410
Popel', P.S. *see* Raskostov, V.N. 9—87787
Popel', S.I. *see* Churkin, V.K. 9—52451
Popel', S.I. *see* Petrov, V.V. 9—91968
Popel', S.I. *see* Zhukov, A.A. 9—51261
Popelar, C.H., Gehlen, P.C. Modeling of dynamic crack propagation. II. Validation of two-dimensional analysis 9—50662
Popelar, C.H. *see* Gehlen, P.C. 9—72857
Popenda, J. *see* Cracknell, A.P. 9—65019
Popenko, V.F. *see* Kuznetsov, I.A. 9—57680
Poperekova, L.M. *see* Somogy, A. 9—80173
Popescu, A. *see* Artukh, A.G. 9—67766
Popescu, A. *see* Musa, G. 9—86622
Popescu, D. *see* Bobulescu, R.C. 9—87917
Popescu, D. *see* Stanciulescu, C. 9—59685, 9—86170
Popescu, D.G. *see* Artukh, A.G. 9—67766
Popescu, D.G. *see* Bogdan, D. 9—80899
Popescu, H.I. *see* Reichelt, H.G. 9—83911
Popescu, I. *see* Collins, C.B. 9—59033
Popescu, I. *see* Toader, E.I. 9—85956
Popescu, I.I. *see* Bobulescu, R.C. 9—87917
Popescu, I.I. *see* Stanciulescu, C. 9—86170
Popescu, I.M. *see* Cristescu, C.P. 9—59681
Popescu, M. Atomic structure and the extended modulation of the X-ray Raman scattering edge 9—99031
Popescu, M., Ghizdeanu, C. Cation distribution in cobalt ferrite-aluminates 9—69088
Popescu, M. *see* Bunget, I. 9—60837
Popescu-Pogrion, N. *see* Birjega, M.I. 9—60657, 9—77961, 9—77965, 9—82496
Popiel, C.O. *see* Boguslawski, L. 9—50765
Popielawski, J. On the equivalence of the theories of liquid metals due to Ashcroft and Schaich and to Gyorffy 9—60693
Popielawski, J., Uchtmann, H., Hensel, F. The shape of the absorption edge in compressed fluid mercury vapour 9—72985
Popil, R., Curzon, F.L. Capacitance measuring circuit for water waves 9—50833
Popil'skii, R.Ya. *see* Farsiyants, V.Yu. 9—61527
Popisar, E.L. *see* Gusman, N.O. 9—96138
Popko, K.K. *see* Deinega, Yu.F. 9—83514
Popko, K.K. *see* Deynega, Yu.F. 9—79299
Popkov, A.F. *see* Nikitin, S.A. 9—87261
Popkov, G.N. Optimization of Tokamak reactor geometry 9—76140
Popkov, K.K. *see* Barkovskii, A.N. 9—97743
Poplavskii, V.M., Bagdasapov, Yu.E., Kozlov, F.A., Kochetkov, L.A., Titov, B.F. The problems of sodium/water steam generator safety and their solution in the USSR 9—97876
Popli, K.L. *see* Lakshmanan, A.R. 9—89507
Popli, R. *see* de Lima, A.P. 9—54377
Popolitov, V.I. *see* Leichenko, A.I. 9—73886, 9—99841
Poponiak, M.R. *see* Alessandrini, E.I. 9—82249
Poponiak, M.R. *see* Chu, W.K. 9—77616
Poponiak, M.R. *see* Deines, J.L. 9—77929
Poponiak, M.R. *see* Gorey, E.F. 9—96243
Popov, A.A. *see* Anisimova, L.I. 9—91657
Popov, A.A. *see* Gorbunov, V.I. 9—66243
Popov, A.A. *see* Parvatov, G.N. 9—66237
Popov, A.B., Samosvat, G.S. Search for higher-than-40-MeV neutrons in fission 9—89515
Popov, A.B. *see* Nikolenko, V.G. 9—49194, 9—75824
Popov, A.D. *see* Yanishlieva, N.Y. 9—52799
Popov, A.G. *see* Bobrovnik, V.M. 9—70349
Popov, A.K., Shalaev, V.M. Doppler-less spectroscopy and wave front convolution in parametric nonmonochromatic wave interaction 9—94280
Popov, A.K. *see* Bolotskikh, L.T. 9—72618
Popov, A.K. *see* Thek-De, I. 9—89959
Popov, A.M. *see* Bron, Yu.M. 9—79210
Popov, A.M. *see* Dnestrovskii, Yu.N. 9—98879
Popov, A.M. *see* Zhilkin, V.A. 9—97414
Popov, A.S. Some features of photoluminescence spectra of epitaxial $GaAs_{1-x}P_x$ films grown from vapor phase 9—73997
Popov, A.S. *see* Demberel, L.A. 9—56166, 9—65407
Popov, A.V. Sound propagation in tubes of variable cross-section 9—90050
Popov, A.V. *see* Voronov, S.A. 9—76267
Popov, B.G. Charge transfer in two-phase (gas-solid-particle) flows 9—81987
Popov, D., Konstantinovic, J. Temperature dependence of the unit cell parameters of the $Mn_{1.11}Al_{0.89}$ alloy. [Correlation with magnetic ordering] 9—55697
Popov, D.N., Terzijsky, K.I., Backalova, N.S. Spectral and temperature dependence of the initial yield of the Z_3-center formation in additively coloured KCl:Ca 9—78716
Popov, D.N. *see* Shul'gin, V.V. 9—79683
Popov, E.A., Beznosikov, B.V. Changes in birefringence of antiferromagnetic Rb_2MnCl_4 due to spin flopping 9—73910
Popov, E.G. *see* Kucherenko, E.S. 9—83234
Popov, G.A. *see* Konev, V.V. 9—57585
Popov, G.F. *see* Volovik, V.D. 9—59307
Popov, G.V. *see* Senatorov, V.N. 9—62679
Popov, I.A. *see* Bertsev, V.V. 9—64247
Popov, I.A. *see* Bulanin, M.O. 9—89978
Popov, K.G., Mandichev, G.I., Bonchev, E.K. Longitudinal stability of a fluid-permeable polymer rod during creep 9—57066
Popov, L.E. *see* Pudan, L.Ya. 9—99189
Popov, L.S., Gerko, V.I., Razumov, V.F., Alfimov, M.V. Anomalous broadening of triplet-triplet absorption in aromatic solvents 9—54842
Popov, L.S. *see* Gerko, V.I. 9—54865
Popov, L.V. Fabrication of optical components by diamond turning 9—76899
Popov, M.V. *see* Kardashev, N.S. 9—62862
Popov, N.I. *see* Valyanskii, S.I. 9—55877
Popov, N.N. *see* Ryzhanskii, V.A. 9—52200
Popov, O.A. *see* Godyak, V.A. 9—55580
Popov, O.B. *see* Il'inskii, A.S. 9—75363
Popov, O.P. *see* Zenkova, E.K. 9—96148
Popov, P.G. *see* Zaients, S.L. 9—81089
Popov, S.G. *see* Baturin, P.I. 9—97473
Popov, Tc.K. *see* Blagoev, A.B. 9—60195
Popov, V.D. A method for calculating the bulk dielectric charge of a MOS structure from its capacitance-voltage characteristics 9—56326
Popov, V.G. *see* Zuev, V.A. 9—73599
Popov, V.I. Effect of variable viscosity on laminar heat transfer and drag in flow of shear-thinned fluids 9—68764
Popov, V.I. Coefficient of electromagnetic ejection of particles in two-phase conducting diamagnetic systems 9—77273
Popov, V.I., Trofimenko, V.I., Leus, V.V., Lysova, E.V., Bochvar, N.R. Influence of Ge on electrophysical properties of thin films of alloys of the system Cu-Ge 9—82690
Popov, V.K. *see* Gorskii, V.V. 9—100315
Popov, V.L. *see* Fridman, M.L. 9—94573

Popov, V.N., Serednyakov, A.V. Low-frequency asymptotics of the self energy parts of a superfluid Bose system at T=O 9—95230
Popov, V.N., Wu, T.T. Infra-red asymptotic behaviour of the one-fermion Green's function in a scalar model with isospin 9—89067
Popov, V.N. *see* Esipov, V.F. 9—88735
Popov, V.N. *see* Tsederberg, N.V. 9—55307
Popov, V.P., Rabinovich, V.G. Mass exchange during gas-phase epitaxy of GaAs 9—78901
Popov, V.P., Sandler, L.M., Naglyuk, Ya.V., Borimskaya, S.T. Rolling-induced magnetic anisotropy of Fe-4% Al single crystals 9—61746
Popov, V.P., Skoropanov, Yu.S. Mass exchange in a flat channel during electrochemical reactions 9—74394
Popov, V.P. *see* Iliev, L.B. 9—51276, 9—51281
Popov, V.P. *see* Korenman, G.Ya. 9—76023
Popov, V.P. *see* Petrenko, N.S. 9—55904
Popov, V.P. *see* Vorob'ev, V.A. 9—91899
Popov, V.S. The anisotropy of red shifts of galaxies in the metagalaxy 9—92875
Popov, V.S., Voskresenskii, D.N., Eletskii, V.L., Mur, V.D. The WKB method for Z>137 and its application to the theory of supercritical atoms 9—49587
Popov, V.S. *see* Alliluev, S.P. 9—98025
Popov, V.S. *see* Dolgov, A.D. 9—92983
Popov, V.V. The problem of impact of a floating cone 9—90193
Popov, V.V., Putilin, S.I. On the problem of penetration of a thin body into an incompressible liquid 9—88804
Popov, V.V. *see* Ermilin, N.R. 9—91765
Popov, V.V. *see* Gilinskiy, I.A. 9—69777
Popov, V.V. *see* Volkov, Yu.M. 9—85434
Popov, W.A. *see* Davies, D. 9—85161
Popov, Yu.A. A method of determining photon flare centres in computing an image from the screen of an electronic-optical converter 9—75111
Popov, Yu.A. Radiant heat conduction in a layer with a high particle concentration 9—86318
Popov, Yu.A., Karpel'son, A.E., Tseitlin, S.D. A comparative rating of the revealability of discontinuity-type defects with various cycles and method of active thermal inspection 9—79207
Popov, Yu.F. *see* Deryagin, A.V. 9—51836
Popov, Yu.M. *see* Bogatov, A.P. 9—64228
Popov, Yu.M. *see* Dudenkov, A.V. 9—78708
Popov, Yu.M. *see* Eliseev, P.G. 9—59834
Popov, Yu.M. *see* Kozlovskii, V.I. 9—94237
Popov, Yu.M. *see* Lisovets, Yu.P. 9—76727
Popov, Yu.N. Measurement of the thickness of transparent plates 9—71406
Popov, Yu.V. Modulation of optical radiation and its areas of application 9—94359
Popov, Yu.V. *see* Adrianova, I.I. 9—50339
Popov, Yu.V. *see* Berezhnoi, A.A. 9—81554
Popov, Yu.V. *see* Gordienko, Yu.E. 9—49252
Popov, Yu.V. *see* Volkonskii, V.B. 9—50400, 9—72689, 9—72691
Popova, A.D. *see* Novikov, I.D. 9—97120
Popova, A.M. *see* Komarov, V.V. 9—75379, 9—75869, 9—85012
Popova, E.A., Bystrov, D.S. Coupled tunnel-phonon modes and isotope effect in KDP-type ferroelectrics 9—69205
Popova, E.I. *see* Kraicheva, Z.T. 9—97037
Popova, E.I. *see* Massevitch, A.G. 9—84789
Popova, L. Tien Shan data on the composition and interaction parameters for primary cosmic rays of energy of 10^{14}-10^{16} eV 9—80149
Popova, L., Antov, B., Vitanov, P. Electrical conduction of silicon nitride films 9—95499
Popova, L.A. *see* Fedorov, V.G. 9—87731
Popova, L.I., Antov, B.Z., Vitanov, P.K. Switching characteristics of MNOS devices at low fields 9—56311
Popova, L.I., Vitanov, P.K., Antov, B.Z., Pashov, N.K. Microstructure and properties of CVD silicon nitride films 9—65339
Popova, L.N. *see* Sekanov, Yu.P. 9—75538
Popova, L.V. *see* Golovanenko, S.A. 9—91797
Popova, M. *see* Nacheva, Z. 9—86357
Popova, M.D., Vitrichenko, E.A. The unique object KR Aurigae 9—58362
Popova, M.P. *see* Nemchinov, I.V. 9—68412
Popova, N.N., Glazkov, A.Ya., Gazova, G.I., Shcherbakova, V.M. Vibration method of preparing microsections for metallographic studies 9—87786
Popova, N.V. *see* Kucherenko, E.S. 9—83234
Popova, S.V., Fomicheva, L.N. Synthesis of tungsten germanides at high pressure 9—77565
Popova, S.V. *see* Larchev, V.N. 9—82173
Popova, T.V., Gavrilova, N.D., Novik, V.K., Koptsik, V.A. Thermodynamic description of a phase transition in proustite crystals 9—69787
Popova, T.V., Gavrilova, N.D., Novik, V.K., Koptsik, V.A., Gurzan, M.I., Voroshilov, Yu.V. Influence of deviation from stoichiometric composition on phase transition in proustite crystals 9—95715
Popova, T.V. *see* Gavrilova, N.D. 9—61317
Popova, T.Ya. *see* Kurbatov, A.A. 9—72615
Popova, V.A. *see* Zaients, S.L. 9—81089
Popova, V.F. *see* Shirvinskaya, A.K. 9—52180
Popovic, B.D., Djordjevic, A.R. Dynamic demagnetisation of relatively large ferromagnetic bodies 9—61184
Popovic, D.B. Plasmon-phonon coupling in III-V alloy semiconductor crystals 9—56150
Popovic, M. *see* Horz, G. 9—96028
Popovic, M.M. *see* Vitel, Y. 9—77421
Popovic, R.S. Analytical approximations of non-degenerate Schottky diode current-voltage characteristics 9—95494
Popovic, S., Etlinger, B., Grzeta-Plenkovic, B. An X-ray diffraction study of the system Al-In-S 9—55710
Popovic, S., Grzeta-Plenkovic, B. The doping method in quantitative X-ray diffraction phase analysis 9—50941
Popovic, Z. *see* Josefowicz, J.Y. 9—99627
Popovic, Z.D. Capacitance measurements on organic-semiconductor Schottky barriers—a new approach 9—82659
Popovic, Z.V., Nikolic, P.M. Some optical properties of germanium dichalcogenides 9—56775
Popovic, Z.V. *see* Nikolic, P.M. 9—51948
Popovich, A.I. *see* Tsymbal, L.T. 9—69334
Popovich, V.P. *see* Vlasenko, S.I. 9—55583
Popovici, C., Avram, E., Balaceanu, M., Ceausescu, N., Ispasoiu, G. High voltage glow discharge in electron gun regime 9—86638
Popovici, C., Avram, E., Balaceanu, M., Ceausescu, N., Militaru, A., Dumitrescu, A. The hollow cathode effect in a mixture of hydrogen and nitrogen 9—86639
Popovici, C. *see* Balaceanu, M. 9—86600
Popovidi, R.S., Tsverikmazashvili, Z.S. Diffraction field of an infinite multilayered grating in the near zone 9—86256
Popovkin, B.A. *see* Dolgikh, V.A. 9—82945
Popovkin, B.A. *see* Lazarev, V.B. 9—69258
Popovkin, B.A. *see* Tatarenko, L.N. 9—78632
Popp, F.-A. The nature of life-analysis of radiation from biological systems 9—96527
Popp, K. *see* Muller, P.C. 9—90181
Popp, S., Teposu, I. Compressibility effects in cavity flows 9—77256
Poppa, H. *see* Heinemann, K. 9—77566, 9—77946
Poppa, H. *see* Moorhead, R.D. 9—82489
Poppa, H. *see* Todd, G. 9—75663
Poppa, H. *see* Yacaman, M.J. 9—77567
Poppa, H. *see* Yang, C.Y. 9—82488
Poppe, B.E. *see* Kruus, P. 9—77469
Poppe, U., Wuhl, H. Tunnelling experiments on $Cu_{1.8}Mo_6S_8$ 9—51728
Popper, A.N., Platt, C. The herring ear has a unique receptor pattern 9—96579
Popper, D.M. *see* Bond, H.E. 9—58376
Popping, H. *see* Dreissigacker, K. 9—84996
Popplewell, J. *see* Tari, A. 9—87293
Popplewell, N., Pizey, G., Sewell, J.E. Microsampling 9—55264
Popplewell, N., Youssef, N.A.N. A comparison of maximax response estimates 9—68626
Popplewell, N. *see* Youssef, N.A.N. 9—81712
Poprawski, R., Mroz, J., Czapla, Z., Sobczyk, L. Ferroelectric properties and domain structure in $RbHSeO_4$ crystals 9—78637
Popryaduchin, A.P. *see* Nekrasov, A.K. 9—73044
Popta, J.van *see* van Popta, J.
Popyrin, L.S. *see* Baturov, B.B. 9—76089
Por, N. *see* Craus, J. 9—100437
Poranski, C.F., Jr., Miller, G.R. Deuteron and proton nuclear magnetic resonance studies of crystalline iodic acid 9—73828
Porchkhidze, Ts.D., Rudneva, N.M., Fel'dshteyn, Ya.I. Current fields at the magnetopause and in the radiation zone 9—53658
Pordes, S.H. *see* Loomis, W.A. 9—71757
Porebski, S., Oleszkiewicz, S., Machalica, P. Resistance meter type MR-77 9—88981
Porebski, S., Oleszkiewicz, S., Machalica, P. Scanning analyser of electrophysical parameters of Si-SiO_2 structures. II 9—95498
Porfir'eva, N.N. *see* Miroshnikov, M.M. 9—94173
Porile, N.T., Cole, G.D., Rudy, C.R. Nuclear reactions of silver with 25.2 GeV ^{12}C ions and 300 GeV protons 9—67735
Porile, N.T., Pandian, S., Klonk, H., Rudy, C.R., Steinberg, E.P. Differential ranges and angular distributions of Ba fragments from the interaction of ^{238}U with 11.5-GeV protons 9—67790
Porkhun, V.I. *see* Kryuchkov, S.V. 9—69726
Porkolab, M. Review of RF heating 9—98939
Porkolab, M. *see* Schuss, J.J. 9—82078
Poromov, V.I. *see* Kravtsov, A.V. 9—76026
Poropat, P. *see* Alberi, G. 9—63509
Poropat, P. *see* Barone, L.M. 9—80835
Poroshin, V.N. *see* Danil'chenko, B.A. 9—99273
Porotnikov, A.A., Rodnevich, B.B. Thermoautoelectronic emission taking account of individual ionic fields 9—69949
Porotnikov, A.A. *see* Glotova, N.N. 9—55575
Porquet, P. *see* Dorner, B. 9—51216
Porreca, F. *see* Lanotte, L. 9—56587
Porrmann, M., Sommer, B., Gari, M. Information on neutral weak currents from polarized-electron deuteron disintegration 9—80787
Porsch, B. *see* Roots, J. 9—95195
Porsch, M. *see* Flohrer, J. 9—51494
Porsev, G.D. *see* Altarev, I.S. 9—67551, 9—75775
Porstendorfer, J., Mercer, T.T. Influence of nuclei concentration and humidity upon the attachment rate of atoms in the atmosphere 9—62555
Porstendorfer, J., Robig, G., Ahmed, A. Experimental determination of attachment coefficients of atoms and ions on monodisperse aerosols 9—66367
Porstendorfer, J. *see* Krzesniak, J.W. 9—83673
Port, H., Rund, D., Small, G.J., Yakhot, V. The exciton-phonon interaction for triplet exciton bands of organic solids: an experimental and theoretical study 9—65387
Port, R.F., Rotunno, R. Relation between voice-onset time and vowel duration 9—96582
Portal, J.C. *see* Eaves, L. 9—91081
Portal, J.C. *see* Nicholas, R.J. 9—65370, 9—65500, 9—91154
Portal, J.C. *see* Zdanowicz, W. 9—99644
Porter, A., Grosser, A.E. Intermolecular potentials for Ar+CF_4 and Ar+SF_6 from differential cross-sections 9—89742
Porter, C.J. *see* Trott, G.W. 9—88987
Porter, D.L. Gamma→alpha transformation in neutron-irradiated austenitic stainless steel 9—96027
Porter, D.L., Heuer, A.H. Microstructural development in MgO-partially stabilized zirconia (Mg-PSZ) 9—91710
Porter, D.L., Heuer, A.H., Evans, A.G. Transformation-toughening in partially-stabilized zirconia (PSZ) 9—91775
Porter, D.L., Wood, E.L. In-reactor precipitation and ferritic transformation in neutron-irradiated stainless steels 9—77644
Porter, F. *see* Chestnut, R. 9—89531
Porter, H.S. *see* Mayr, H.G. 9—84556
Porter, J.D. *see* Fletcher, S. 9—61865
Porter, J.R. *see* Newman, E.T. 9—49119
Porter, M.W. *see* Warren, S.W. 9—88133
Porter, R.A., Harshbarger, W.R. Gas rotational temperature in an RF plasma 9—90458
Porter, R.F. *see* Beuhler, R.J. 9—59557
Porter, R.F. *see* Curtis, P.M. 9—96292
Porter, R.J., Jr. *see* Whittaker, R.G. 9—92225
Porter, R.N. *see* Winkler, P. 9—68195
Porter, R.S. *see* Kiss, G. 9—94574
Porter, R.S. *see* Kojima, S. 9—61617, 9—61618
Porter, R.S. *see* Mead, W.T. 9—52307, 9—70035, 9—83235
Porter, R.S. *see* Wang, J.-S. 9—59956
Porter, W.A., Parker, D.L., Richardson, T.W. Characterization of laser irradiated silicon using X-ray topography 9—74026
Porter Geoff, R.F.D. A simplified analysis of the residual longitudinal stresses and strains due to the gas-cutting and welding of thin steel plate 9—81723
Porteseil, J.L., Vergne, R. Irreversible processes in Bloch wall motion 9—78431
Porteseil, J.L., Vergne, R. Self-similarity in the motion of a Bloch wall 9—82810
Porteseil, J.L., Vergne, R. Some new aspects of an old problem: the magnetisation law of a polycrystal 9—95606
Porth, P. *see* Givernaud, A. 9—58982
Portier, J. *see* Lucat, C. 9—99360
Portier, J. *see* Stevic, S. 9—100104
Portier, J. *see* Videau, J.-J. 9—65819
Portier, R. *see* Guymont, M. 9—94960, 9—95175
Portier, R. *see* Stobbs, W.M. 9—99176
Portilho, O., Coon, S.A. Three-alpha model calculations and the O_2^+ state of ^{12}C 9—75856
Portilla, M. Momentum and angular momentum of two gravitating particles 9—71310
Portnoi, E.L. *see* Dias, P. 9—72705
Portnoi, E.L. *see* Karpov, S.Yu. 9—72592
Portnoi, K.I., Zabolotskii, A.A., Salibekov, S.E., Chubarov, V.M. Classification of composite materials 9—61508
Portnov, G.G. *see* Seleznev, L.N. 9—87679
Portnov, I.G. Optimum control of transient process of movement of viscoplastic medium during treatment of the material by pressure 9—72821
Portnova, V.P. Results of statistical processing and of regional gravitational and pseudo-magnetic anomalies 9—84081
Portnyagin, A.I. *see* Burmistrova, L.V. 9—64478
Porto, F. *see* Lanzano, G. 9—93638
Porto, P.Di *see* Di Porto, P.
Porto, S.P.S. *see* Sanjurjo, J.A. 9—65875
Portugal, J.L. *see* Garner, P.L. 9—85668
Portugal, O.E. *see* Belov, K.P. 9—73554
Poruchikov, V.A. *see* Anufriev, V.A. 9—97709
Posa, F. *see* Cutts, D. 9—85346
Posadas, D. *see* Gonzalez Maroto, J.R. 9—82435
Posch, H.A. Collision-induced light scattering from fluids composed of tetrahedral molecules. I 9—68237
Posch, H.A. *see* An, S.C. 9—69851
Poschmann, F.P. *see* Barber, D.P. 9—89175, 9—97631
Poser, C.I., Sanchez, I.C. Surface tension theory of pure liquids and polymer melts 9—65296
Posey, F.A., Palko, A.A. Corrosivity of carbon steel in concentrated chloride solution 9—96193

Poshkas, P.C., Survila, V.Yu., Zhukauskas, A.A. Drag and peculiarities in flow around tube in different rows of banks subject to transverse streamline flow of air with high Re values 9—94583

Poshkas, P.S., Survila, V.Yu., Zhukauskas, A.A. Mean heat transfer for tube in banks subject to transverse streamline flow of air with high Re numbers 9—94619

Posiello, J. A differential temperature sensor with an indicator system 9—54133

Poskanzer, A.M. *see* Wolf, K.L. 9—63693

Poskus, A. *see* Dargys, A. 9—69613

Posnov, N.P. *see* Gurevich, V.M. 9—86909

Posnyakov, N.L. *see* Babaev, N.C. 9—93759

Posocco, M. *see* Fidecaro, G. 9—85343

Pososhenko, L.Z. *see* Aleksandrov, A.L. 9—93113

Pospelov, M.E. *see* Gavrilov, A.G. 9—70586

Pospelov, V.A. Flow in continuous-operating chemical laser based on a hydrogen-fluorine mixture 9—81420

Pospelov, V.A. *see* Lavrov, A.V. 9—90349

Pospelov, V.V., Kholodnov, V.A., Tsilibin, V.I. Relaxation of the nonequilibrium depletion layer in MDS_nS_n structures 9—56325

Pospelov, V.V. *see* Maslovskii, V.M. 9—73600

Pospelova, L.I. *see* Levitin, V.V. 9—90598

Pospiech, J. Calculation of the recrystallisation texture out of the deformation texture 9—83222

Pospiech, J., Ibe, G. The orientation density function of single crystals from growth selection experiments 9—90589

Pospiech, J. *see* Truszkowski, W. 9—91670, 9—91882

Pospiech, J. *see* Virnich, K.H. 9—86735, 9—91683

Pospisil, J. *see* Dienstbier, Z. 9—57717

Pospisil, P. Theoretical outline of a splitting scheme for solving complete equations 9—84366

Poss, A., Vancraenbroeck, C., Berliner, C., Ruysschaert, J.M. Perturbations induced by cerebrosides in model membranes 9—74601

Possa, G., Tonolini, F. Acoustic monitoring equipment for nuclear power plants: research, development and industrial production 9—76076

Possin, G.E., Kirkpatrick, C.G. Electron-beam measurements of minority-carrier lifetime distributions in ion-beam-damaged silicon 9—87108

Possin, G.E. *see* Wang, K.L. 9—69508

Possnert, G. *see* Fahlander, C. 9—67653, 9—93512

Post, E.J. Kottler-Cartan-van Dantzig (KCD) and noninertial systems 9—84973

Post, E.J., Kiehn, R.M. Comments on 'Parity and time inversion symmetries of electromagnetic systems' by R.M. Kiehn [and reply] 9—67169

Post, H.R. Many-particle systems. X. Invariants of boson systems 9—85063

Post, K. *see* Kewley, D.J. 9—62553

Post, M.J. Effects of the earth's atmosphere on a spaceborne IR Doppler wind-sensing system 9—96828

Post, M.L. *see* Viswamitra, M.A. 9—57569

Post, N. 3-D viewing 9—54184

Post, R.B., Owens, R.L., Owens, D.A., Leibowitz, H.W. Correction of empty-field myopia on the basis of the dark-focus of accommodation 9—53131

Post, R.F. The road to fusion 9—59251

Post, R.S. *see* Navratil, G.A. 9—90434

Postaire, J.-G. *see* Aboutajdine, D. 9—66843

Poster, R. *see* Ferguson, T. 9—63494

Posternak, M., Freeman, A.J., Ellis, D.E. Electronic band structure, optical properties, and generalized susceptibility of NbO_2 9—95328

Posternak, M. *see* Krakauer, H. 9—69393

Postma, H. *see* Bosman, J.J. 9—59062

Postnikov, V.M. *see* Gukhman, A.A. 9—60051

Postnikov, V.M. *see* Volynets, A.Z. 9—94617

Postnikov, V.S., Donets, A.M., Fedosov, V.N., Kovalevskii, V.I. Field dependence of accommodation of magnetic permeability of manganese-zinc ferrite 9—69694

Postnikov, V.S., Kirillov, V.I., Kapustin, Yu.A., Ammer, S.A., Kozlov, Yu.I. Gold-induced internal friction in Si:Au 9—73252

Postnikov, V.S., Postnikov, V.V., Fedorov, V.M. Superconductivity and phonon softening in instable systems 9—65587

Postnikov, V.S., Postnikov, V.V., Fedorov, V.M. Superconductivity and phonon softening in the palladium-hydrogen system 9—73626

Postnikov, V.S., Safonov, N.A., Zolotukhin, I.V., Miloshenko, V.E. An apparatus for measuring internal friction of films during the process of plastic deformation in the temperature range from 4.2 to 300K 9—71442

Postnikov, V.S., Shvedov, E.V., Ievlev, V.M. Kinetic model of oriented growth of nucleating centres during vacuum condensation 9—74092

Postnikov, V.S. *see* Bugakov, A.V. 9—73176

Postnikov, V.S. *see* Muratov, A.V. 9—55898

Postnikov, V.V. *see* Emel'yanov, I.Ya. 9—59186

Postnikov, V.V. *see* Postnikov, V.S. 9—65587, 9—73626

Postnikova, M.A. *see* Sundukov, A.N. 9—79573

Postnov, V.I. *see* Nabatov, S.S. 9—60881

Postnov, V.V. *see* Gufel'd, I.L. 9—56724

Postnova, A.D. *see* Odesskii, D.A. 9—79048

Postollec, M.Le *see* Le Postollec, M.

Postow, E. *see* Brainard, G. 9—96619

Postpischl, D. *see* Baldi, P. 9—70734

Posvyanskii, V.S. *see* Novozhilov, B.V. 9—100369

Posyado, V.P., Grachev, M.L., Andrianov, D.G., Chuprikov, G.E. Thermal expansion of terbium-gadolinium alloys 9—90800

Pota, G. Examination of the traffic noise transmission with modelling 9—86291

Potak, Ya.M., Krivonogov, G.S., Birman, S.I., Varganov, V.A., Zhegina, I.P. Effect of processing factors on the crack resistance of steel VNS-2 9—100196

Potakova, V.A. *see* Belyaeva, A.I. 9—73788

Potalitsin, A.P. *see* Kalinin, B.N. 9—61274

Potalitsyna, L.M. *see* Kurina, L.N. 9—51435

Potanin, E.P. *see* Karchevskii, A.I. 9—64927

Potanin, Yu.N. *see* Dubinin, E.M. 9—62674

Potanin, Yu.N. *see* Podgorny, I.M. 9—62793

Potapenko, I.F., Chuyanov, V.A. Complete conservative difference schemes for Landau equations 9—77343

Potapenko, P.T. Independent control of neutron flux in experimental reactor channels 9—71918

Potapenko, P.T. *see* Emel'yanov, I.Ya. 9—63739, 9—63764, 9—67896

Potapov, A.A., Gudkov, O.I. High-frequency resonator method of measuring the electromagnetic parameters of dielectrics 9—80642

Potapov, A.I. *see* Brudnyi, V.N. 9—56227

Potapov, A.I. *see* Rapoport, D.A. 9—52604

Potapov, A.M. *see* Arkhipova, T.A. 9—72695

Potapov, A.P. *see* Gorlov, A.D. 9—51852, 9—69720

Potapov, A.P. *see* Vazhenin, V.A. 9—95639

Potapov, L.P. *see* Khlyntsev, V.P. 9—66052, 9—82158

Potapov, N.N. *see* Lur'e, S.A. 9—83214

Potapov, S.E. *see* Isakov, V.K. 9—68387

Potapov, V.P. *see* Nikolaev, I.N. 9—99811, 9—99812

Potapov, V.S. *see* Yamshchikov, V.S. 9—70274

Potapov, V.T., Sokolovskiy, A.A., Shatrov, A.D. An analysis of excitation of a multimodal optical fiber by the method of ray optics 9—81550

Potapov, Yu.M., Myshalov, S.V., Magnitskii, O.N., Zasorin, G.I. Accelerated shell heat treatment technique for molding using meltable models 9—76896

Potapova, L.V. *see* Zamoshkina, N.P. 9—49260

Potapova, T.M. *see* Zakharchuk, O.V. 9—97944

Potapova, V.F. *see* Kozlov, I.A. 9—54121, 9—57191, 9—66034

Potash, R.I., Wardle, J.F.C. Radio structures of a complete sample of quasars from the 4C catalog 9—75293

Potashev, A.G. *see* Grigor'ev, V.P. 9—55540

Potashova, G.A. *see* Lavygin, I.A. 9—86830

Potaturkin, O.I. *see* Nezhevenko, E.S. 9—94157

Potekhin, B.A., Tyutyukov, S.A., Nemirovskii, Yu.R., Pashkov, Yu.I. Formation of austenite in steels of the intermediate class, its stability, and its influence on mechanical properties 9—91646

Potekhin, D.P. *see* Pavlov, B.A. 9—97354

Potekhin, G.S. *see* Gurari, M.L. 9—75535

Potekhin, K.A., Kurkutova, E.N., Struchkov, Yu.T., Antipin, M.Yu., Kirin, V.N., Koz'min, A.S., Zeforov, N.S. Crystal and molecular structure of trans-3-endo-chloro-4-4-(2,4-dinitrophenylthio(-9,10-cis-endo-dimethoxycarbonyltricyclo [4,2,2,$0^{2,5}$] dec-7-ene 9—86784

Potekhin, K.A., Kurkutova, E.N., Struchkov, Yu.T., Kirin, V.N., Koz'min, A.S., Zefirov, N.S., Ilyukhin, V.V., Belov, N.V. Crystal and molecular structure of trans-3-endo-bromo-4-(2-nitrophenylthio)-9,10-cis- endo-dimethyltricyclo[4,2,2,$0^{2,5}$] dec-7-ene 9—86785

Potekhin, K.A., Kurkutova, E.N., Struchkov, Yu.T., Kirin, V.N., Koz'min, A.S., Zefirov, N.S., Ilyukhin, V.V., Belov, N.V. Crystal and molecular structure of the lactone of 8-hydroxy-9-(methoxycarbonyl)-4-(2-nitrophenylthio)tetracyclo [4,2,2,$O^{2,5}$,$O^{3,7}$] decane-10-carboxylic acid 9—90640

Potekhin, K.A., Kurkutova, E.N., Struchkov, Yu.T., Koz'min, A.S., Kirin, V.N., Zefirov, N.S., Ilyukhin, V.V., Belov, N.V. Crystal and molecular structure of trans-3-endo-chloro-4-(phenylthio)-9,10-cis-endo-bis (methoxycarbonyl) tricyclo[4,2,2,$0^{2,5}$]dec-7-ene 9—90639

Potekhin, S.A., Privalov, P.L. Thermal denaturing of α-tropomyosin and its components 9—53023

Potekhin, V.K., Shelepin, L.A. Group-theoretical approach to the investigation of radiation statistics 9—86129

Potekhina, N.D. *see* Nikulin, V.K. 9—69367

Potember, R.S., Poehler, T.O., Cowan, D.O. Electrical switching and memory phenomena in Cu-TCNQ thin films 9—65562

Potemina, L.G. Effects of dislocation dipoles and prismatic dislocation loops on the thermodynamics of electrons in metals 9—56161

Potemina, L.G. *see* Natsik, V.D. 9—86899

Potemkin, V.V. *see* Gorokhov, Yu.V. 9—99734

Potempa, A. *see* Alkhazov, G.D. 9—75957

Potemra, T.A. *see* Saflekos, N.A. 9—75043

Potente, H., Schulze-Kadelbach, R., Thienel, P. A simple representation of a flow model, as a tool with the help of theoretical analogy methods 9—81833

Poteralski, D.C. Verification of the RETRAN computer code with measured reactor coolant pump coastdown data 9—89406

Potershuk, N.P. *see* Brazgovka, A.I. 9—96716

Potgieter, J.M. Relativistic force equation for gravitational interactions 9—97270

Poth, H. *see* Backenstoss, G. 9—68336

Poth, H. *see* Bell, M. 9—93413

Pothier, E.L. *see* Blanar, G.J. 9—93473

Potienko, G. *see* Budzinski, E.E. 9—78037

Potier, A. *see* Herzog-Cance, M.H. 9—56616, 9—73915

Potier, A. *see* Nicolas, J.-C. 9—65874

Potier, J. *see* Herzog-Cance, M.H. 9—56616, 9—73915

Potier, J.P. *see* Baribaud, G. 9—72209

Potocki, J. Measurements of pollution level (water, dust, oil) in compressed air 9—88040

Potsar, N.A. *see* Ledovskoi, V.P. 9—91180

Potselueva, L.N., Shkol'nikov, E.V. Crystallization kinetics of phosphorus-doped vitreous selenium 9—64998

Pottasch, S.R., Wesselius, P.R., van Duinen, R.J. Determination of cooling rates in the interstellar medium 9—62887

Pottasch, S.R., Wesselius, P.R., van Duinen, R.J. The effective temperatures of the O stars 9—88656

Pottasch, S.R. *see* Shaver, P.A. 9—88726

Pottel, R., Asselborn, E. Measurements for determining the dielectric relaxation rate of water and of an aqueous solution at high pressures 9—78619

Pottelette, R. *see* Illiano, J.-M. 9—55499

Potter, C. *see* Liska, D. 9—76160

Potter, C. *see* Melson, K.E. 9—76159

Potter, D.I., McCormick, A.W. Irradiation-enhanced coarsening in Ni-12.8 at.% Al 9—66060

Potter, D.I., Okamoto, P.R., Wiedersich, H., Wallace, J.R., McCormick, A.W. Heterogeneous precipitation at internal and external surfaces during irradiation of Ni-12.7 at.% Si 9—77647

Potter, D.I., Wiedersich, H. Mechanisms and kinetics of precipitate restructuring during irradiation 9—77650

Potter, D.I. *see* Okamoto, P.R. 9—55791

Potter, D.M. *see* Blanar, G.J. 9—93473

Potter, J.L. *(editor)* Rarefied Gas Dynamics 9—98754

Potter, J.M., Schriber, S.O., Humphry, F.J. Experimental and calculated RF properties of the disk-and-washer structure 9—72170

Potter, J.M., Williams, S.W., Humphry, F.J., Rodenz, G.W. Radio frequency quadrupole accelerating structure research at Los Alamos 9—71988

Potter, J.M. *see* Frank, J.S. 9—85329

Potter, J.M. *see* Kozlowski, T. 9—89565

Potter, J.M. *see* Nagle, D.E. 9—63499, 9—63500

Potter, M.de *see* de Potter, M.

Potter, N.M. *see* Hill, R.F. 9—100433

Potter, P.E. *see* Besmann, T.M. 9—67862

Potter, R.W., II, Barnes, H.L. Phase relations in the binary Hg-S 9—66040

Potter, S. *see* Hauptman, H. 9—51033

Potter, S.J. *see* Clark, K.W. 9—70679

Potter, S.J. *see* Mead, C.N. 9—70680

Potter, T.D., Changery, M. Extreme winds in the United States 9—62571

Potter, W.E., Kayser, D.C., Nier, A.O. Thermal and wind-induced variations in thermospheric molecular oxygen as measured on AE-D 9—53592

Potter, W.E. *see* Kayser, D.C. 9—58274

Potter, W.R. *see* Budzinski, E.E. 9—78037

Pottier, M.J. *see* Rulmont, A. 9—69837

Pottier, N. *see* Astier, M. 9—82555

Pottinger, H. *see* Tracey, J.H. 9—74995

Potts, A.W., Lee, E.P.F. The He IIα $5p^{-1}$ photoelectron spectrum of Ba 9—81188

Potts, A.W. *see* Lee, E.P.F. 9—59509

Potts, C.W. *see* Parker, E.F. 9—72054

Potts, D.G. *see* Ahmadi, J. 9—92369

Potts, W.W. *see* Hoffman, M.A. 9—94587

Potucek, J., Hajek, M., Brodan, V. Reliability range of model parameters and its application to biological models 9—96500

Potvin, A.R., Syndulko, K., Tourtellotte, W.W., Walker, J.A. Neurofunction lab for enhanced objectivity in clinical trials 9—96541

Potylitsyn, A.P. *see* Vorob'ev, S.A. 9—61280, 9—91521

Potzel, W. *see* Shenoy, G.K. 9—73613

Potzl, K. *see* Reiter, R. 9—53412

Pouchard, M. *see* Bonnamy, C. 9—69971

Pouchard, M. *see* Boukhari, A. 9—99129

Pouchard, M. *see* Choukroun, S. 9—51029

Pouchard, M. *see* Demazeau, G. 9—86760

Pouchard, M. *see* Doumerc, J.-P. 9—60879

Pouchard, M. *see* Grenier, J.-C. 9—73712, 9—90619

Pouchelon, A. *see* Allain, C. 9—87880

Pouget, J.P., Shapiro, S.M., Nassau, K. Neutron scattering study of the ferroelectric phase transition of SbSI 9—61313
Pouget, J.P., Shapiro, S.M., Shirane, G., Garito, A.F., Heeger, A.J. Elastic- and inelastic-neutron-scattering study of tetrathiafulvalenium-tetracyanoquinodimethanide (TTF-TCNQ): New results 9—69208
Pougheon, F. *see* Bernas, M. 9—67661
Pouillard, G. *see* Boivin, J.-C. 9—86755
Pouillard, G. *see* Trinel-Dufour, M.-C. 9—100124
Poujade, G. *see* Danto, Y. 9—52928
Poukey, J.W. *see* Bergeron, K.D. 9—94141
Poukey, J.W. *see* Humphries, S., Jr. 9—72016
Poulain, E. *see* Palma, A. 9—50002
Poulain, M. *see* Tofield, B.C. 9—60322
Poulard, G. *see* Armenise, N. 9—67536, 9—93397
Poulet, G. *see* Jourdain, J.L. 9—74342
Poulet, H., Mathieu, J.P. Raman spectra and phase transition of crystals of $(ND_4)_2Cu(OD_2)_2Cl_4$ 9—91436
Poulet, H. *see* Toupry-Krauzman, N. 9—61370
Poulet, S.A. *see* Chanut, J.P. 9—92543
Poulin-Dandurand, S., Perez, S., Revol, J.-F., Brisse, F. The crystal structure of poly(trimethylene terephthalate) by X-ray and electron diffraction 9—94924
Poulis, N.J. *see* Diederix, K.M. 9—51793, 9—61136, 9—61257
Poulis, N.J. *see* Gevers, A. 9—56387
Poulis, N.J. *see* Groen, J.P. 9—61256
Poulis, N.J. *see* Looyestijn, W.J. 9—51864, 9—61244, 9—73848, 9—78540, 9—78541, 9—87251
Poulis, N.J. *see* Marks, J. 9—73746
Poullot, G. *see* Manaranche, J.C. 9—63790, 9—80977
Poulos, N.E. *see* Walton, J.D. 9—61955
Poulsen, L.L. *see* Billing, G.D. 9—98199
Poulsen, P., Miller, D.R. The energy balance and free-jet expansions of polyatomics 9—98777
Poulsen, R.S. *see* Fink, H.J. 9—60991, 9—87207
Poulter, K.F., Nash, P.J. An interferometric oil micromanometer 9—88970
Poulter, K.F. *see* Nash, P.J. 9—63263
Pound, G.M. *see* Abraham, F.F. 9—69256, 9—74161
Pound, G.M. *see* Halicioglu, T. 9—77923
Pounder, C.N.M. *see* Cooper, I.L. 9—93928
Pounds, D. *see* Marmor, J.B. 9—62290
Pounds, K.A. The 2A catalogue and supplementary results from the Ariel 5 sky survey 9—58276
Pountney, J.M., Harris, I.R., Winterbottom, J.M., Smith, J.F. A correlation of catalytic behaviour with electronic structure lattice structure and surface composition in powdered alloys from the pseudobinary systems $CeRh_{3-x}Pd_x$ and $ZrRh_{3-x}Pd_x$ 9—82181
Poupeau, G. The formation of the solar system. Meteorites re-start the debate 9—92687
Poupinet, G. On the relation between P-wave travel time residuals and the age of continental plates 9—62439
Poupot, C. *see* Benabid, A.L. 9—57804
Pouquet, A. Fully developed magnetohydrodynamic turbulence: numerical simulation and closure techniques 9—90343
Pourantru, Y., Toesca, S., Colson, J.C. Apparatus for dry stress corrosion kinetic studies 9—83381
Pourarian, F. Origin of magnetostriction in $TbAl_2$ and $TbCo_2$ compounds 9—78499
Pourchet, M., Pinglot, F. Determination of the stratospheric residence time from the total β activity of Antarctic and Greenland snows 9—79421
Pourchet, M. *see* Lorius, C. 9—92586
Pourcho, R.G. Localization of cholinergic synapses in mammalian retina with peroxidase-conjugated α-bungarotoxin 9—57654
Pourny, J.C., Orszag, A., Renaut, D. Raman-lidar humidity sounding of the atmospheric boundary-layer 9—66809
Pouthas, J., Engrand, M. A timing discriminator for channel plate electron multipliers 9—59316
Poutissou, J.-M. *see* Hasinoff, M.D. 9—76034
Pouyet, G. *see* Adam, M. 9—99339
Pouyet, J., Lataillade, J.L. Elastic strain of a transversely isotropic half space caused by a rigid punch 9—59947
Pouzard, G. *see* Bernard-Moulin, P. 9—94012
Povalyaev, A.D. *see* Bugakov, A.V. 9—73176
Povarennykh, A.S. The use of infrared spectra for the determination of minerals 9—62589
Povarennykh, A.S. *see* Malogolovets, V.G. 9—82980
Povarnitsyn, M.S. Developed flow and drag in planar channel with rough walls 9—86512
Povedailo, V.A. *see* Borisevich, N.A. 9—94213
Povetkin, V.V., Zakharov, M.S. Structure of electrodeposited Fe-Co alloys 9—56079
Povetkin, V.V., Zakharov, M.S. Formation of packing defects in electrodeposited iron-nickel coatings 9—60662
Povey, D.C. *see* Bullock, J.I. 9—99171
Povh, B. Hypernuclei—why and how 9—85397
Povh, B. *see* Bertini, R. 9—63623, 9—85565
Povh, B. *see* Faessler, M.A. 9—93664
Povich, M.J. Low temperature sensitization of type 304 stainless steel 9—74181
Povichkov, V.V. *see* Samokhvalov, M.K. 9—99634
Povilonis, E.I. *see* Adams, A.C. 9—69989
Povinec, P. A study of proportional counter optimization for long-term counting 9—76286
Povinec, P., Szarka, J., Usacev, S. Multielement proportional counters for low-level ^3H and ^{14}C counting 9—76287
Povinec, P., Usacev, S., Vanko, J., Chudy, M. A study of the background of NaI(Tl) scintillation detectors 9—68144
Povinec, P. *see* Chundy, M. 9—89519
Povinec, P. *see* Presnajderova, E. 9—71821
Povinec, P. *see* Szarka, J. 9—93877
Povkh, I.L., Stupin, A.B., Maksyutenko, S.N., Aslanov, P.V., Simonenko, A.P., Musienko, A.I. Turbulent heat transfer in dilute surfactant or polymer solutions 9—77101
Povolo, F., Thorpe, W.R., Smith, I.O. Comments on 'The effect of thermal history on the tensile properties of polycrystalline Zircaloy-2' 9—74205
Povolotskii, E.G. *see* Surov, Yu.I. 9—100168
Povsten', S.G. *see* Tolubinskii, V.I. 9—68560
Povzner, A.Ya. *see* Bogayevsky, V.N. 9—64698
Powar, M.S. *see* Ahmad, S. 9—83049
Powe, R.E. Thermal modeling of coal-fired MHD plant components 9—52946
Powell, B.M., Dolling, G. Orientational disorder in the plastic phases of SF_6 and CBr_4 9—73115
Powell, B.M. *see* Dolling, G. 9—77533
Powell, B.M. *see* Mintz, D. 9—60472
Powell, D.J. *see* Walker, P. 9—62263
Powell, G.L. Solubility of hydrogen and deuterium in body-centered-cubic uranium alloys 9—96302
Powell, G.L. *see* Morgan, C.S. 9—54512
Powell, H.T., Prosnitz, D., Schleicher, B.R. Sulfur $^1S_0$-$^1D_2$ laser by OCS photodissociation 9—68389
Powell, I. Lens design program 9—86233
Powell, J., Fillo, J., Makowitz, H. The FAST power cycle for fusion reactors 9—49861
Powell, J.R. *see* Grand, P. 9—81062
Powell, J.R. *see* Horn, F.L. 9—85800
Powell, J.R. *see* Makowitz, H. 9—85796
Powell, J.R. *see* Miley, G.H. 9—76143
Powell, J.R. *see* Steinberg, M. 9—67980
Powell, J.R. *see* Vi-Duong Dang 9—52915
Powell, M.J. *see* Orton, J.W. 9—51607
Powell, R.A. Two-capacitor problem: a more realistic view [introductory physics and electromagnetic texts] 9—62960
Powell, R.A. *see* Abbati, I. 9—100296
Powell, R.A. *see* Gold, R.B. 9—73583
Powell, R.A. *see* Kordos, P. 9—60645
Powell, R.A. *see* Rothbart, G.B. 9—59784
Powell, R.C., Freed, E.E. Laser time-resolved studies of exciton migration in doped lithium niobate 9—69861
Powell, R.C. *see* Flaherty, J.M. 9—61435
Powell, R.C. *see* Merkle, L.D. 9—95839
Powell, R.C. *see* Neikirk, D.P. 9—83013
Powell, R.G. Code of practice and design principles for installed radiological protection systems 9—85832
Powell, R.L., Schwarz, W.H. Nonlinear dynamic viscoelasticity 9—94576
Powell, W.J.A. *see* Fynn, G.W. 9—81583
Powell, W.R., Stanley, C.F. A mathematical model of the lung, with emphasis on airway resistance, to evaluate pulmonary phase change as an early indicator of COPD 9—96603
Power, B.D. Recent developments in vapour pumps 9—63250
Power, M.S. *see* Sadigh, K. 9—88305
Power, R.K., Nishimura, A.M. A microprocessor-controlled photon counter for pulsed optically detected magnetic resonance 9—88992
Powers, D. *see* Brown, R.B. 9—49921, 9—98188
Powers, D.R. *see* Aronson, B.S. 9—50466
Powers, E.J. *see* Kim, Y.C. 9—72987, 9—73036
Powers, H.G., McLemore, D.R. Inspection techniques and processes for controlling FFTF fuel quality 9—85610
Powers, J.M., Douglas, W.H., Craig, R.G. Wear of dimethacrylate resins used in dental composites 9—96710
Powers, L. *see* D'Ambrosio, C. 9—83712
Powers, L.S., Brueckner, H.K., Krinsley, D.H. Rb-Sr provenance ages from weathered and stream transported quartz grains from the Harney Peak Granite, Black Hills, South Dakota 9—74865
Powers, L.V., Montry, G.R., Berger, R.L. Radial stability of critical-surface density profiles 9—55460
Powers, M.K., Green, D.G. Single retinal ganglion cell responses in the dark-reared rat: grating acuity, contrast sensitivity, and defocusing 9—53102
Powers, R. *see* Cohen, S. 9—77559
Powers, R.J. *see* Strauss, B.P. 9—68045
Powers, R.K. *see* MacNeilage, P.F. 9—70559
Powers, R.W. *see* Dubin, R.R. 9—61240
Powers, S.R., Jr. *see* Fried, R.L. 9—96694
Powers, W.E. *see* Perez, C.A. 9—100745
Powles, A. *see* Coates, G. 9—100655
Powles, J.G. *see* Topol, R. 9—73842
Powlette, J.L. Two component exponential decay experiment [in laboratory for physics students] 9—62968
Poyer, Ch. *see* Fidecaro, G. 9—85343
Poynter, R.L. *see* Scarf, F.L. 9—96954
Pozdeeva, E.V., Botaki, A.A., Ul'yanov, V.L. Low-temperature measurement of linear thermal-expansion coefficient of electroceramic materials 9—60526
Pozdeeva, E.V. *see* Zavadovskaya, E.K. 9—95875
Pozdeyev, Yu.L. *see* Palatnik, L.S. 9—82593
Pozdneev, S.A. Adiabatic approximation in the problem of collisions between a particle and a two-particle system on separable interaction 9—94052
Pozdnyak, N.I. *see* Myl'nikov, V.S. 9—82479
Pozdnyak, N.Z., Belyaev, R.A., Vasilov, Yu.V., Vinogradov, Yu.G., Serykh, G.M. Thermal conductivity and linear expansion of sintered rhenium and tungsten-rhenium alloys at a temperature up to 1000K 9—61533
Pozdnyakov, A.E. Means of combining the light of several lasers 9—68402
Pozdnyakov, L.A., Sobol', I.M., Sunyaev, R.A. The profile evolution of X-ray spectral lines due to Comptonization. Monte Carlo computations 9—66916
Pozdnyakov, L.A., Sobol', I.M., Syunyaev, R.A. Comptonization and radiation spectra of X-ray sources. Monte Carlo computations 9—80372
Poze, A.V. *see* Birulev, V.K. 9—67547
Pozela, J. *see* Dargys, A. 9—69613
Pozela, J.K. *see* Brazis, R.S. 9—65510, 9—82618, 9—95437
Pozhela, Yu.K. *see* Ashmontas, S.P. 9—56240, 9—56297
Pozhela, Yu.K. *see* Vorob'ev, L.E. 9—60844
Pozhera, R.Yu., Tolutis, R.B. Influence of hydrostatic pressure on electron mobility and concentration in $Cd_xHg_{1-x}Te$ near the gapless state 9—65486
Pozhidaev, M.V. A method of detecting white-layer structures in steel 9—52485
Pozhidaeva, N.A. *see* Boos, E.G. 9—49548
Pozigun, V.A. *see* Komarov, N.S. 9—97040
Pozigun, V.L. Possibility of estimating the parameters of E_s from reflection coefficients 9—53626
Poznyak, A.A. Application of the variational Biot method for solving Stefan-type problems with variable boundary conditions (solidification of metal ingots) 9—83189
Poznyak, A.A. *see* Berzin', V.A. 9—61576
Pozo, E.del *see* del Pozo, E.
Pozumentov, I.E. *see* Malakhov, A.N. 9—85082
Pozzi, G. On the interpretation of out-of-focus images of p-n junctions whose internal field topography is described by the one-sided step model 9—82129
Pozzoli, R., Ryutov, D.D. Modulation instability in a magnetic field 9—98906
Pozzoli, R. *see* Orefice, A. 9—98960
Pozzoli, R. *see* Coppi, B. *(editor)* 9—98963
Pozzoli, R. *see* Stringer, T. *(editor)* 9—98869
Prabhakar Rao, K. A note on the Straubel apodization filters 9—81530
Prabhakar Rao, K. *see* Vishvanatham, S. 9—59645, 9—94168
Prabhakara, N.B. *see* Conrad, F.L. 9—64328
Prabhakaran, J. *see* Mathews, P.M. 9—67207
Prabhakaran, P. Application of brittle coatings to graphite fiber-reinforced plastics 9—96106
Prabhakaran Nayar, S.R. Hale sector boundary and geomagnetic activity 9—75055
Prabhananda, B.S. Anisotropic g and hyperfine tensors from ESR linewidth studies of liquid solutions: $Cu\{(i\text{-}C_3H_7O)_2PSe_2\}_2$ 9—85978
Prabhawalkar, V.P. *see* Misra, N.K. 9—99830
Prabhu, K.A. *see* Bose, N.K. 9—84937
Prabhu, T.P. Early nebular stage of Nova Cygni, 1975 9—53826
Prada-Silva, G., Loffler, D., Halpern, B.L., Haller, G.L., Fenn, J.B. The role of vibrational energy in surface isomerization of cyclopropane 9—74376
Praddaude, H.C. *see* Woskoboinikow, P. 9—55145, 9—76709
Prade, B.S. *see* Andre, Y.V. 9—94326
Prade, B.S. *see* Boyer, G.R. 9—63292
Pradel, P., Spiess, G., Sidis, V., Kubach, C. Differential cross sections of the near-resonant charge-transfer process $H^+ + Cs \rightarrow H(2s) + Cs^+$ at low energy 9—54964
Pradere, F. *see* Debrie, J. 9—49290
Praderie, F. *see* Borsenberger, J. 9—88664
Pradhan, A.S., Bhatt, R.C. Effects of phosphor proportion and grain size on photon energy response of $CaSO_4$:Dy teflon TLD discs 9—59304
Pradhan, A.S., Kher, R.K., Bhatt, C. TL sensitivity of $CaSO_4$:Dy—effect of temperature treatment 9—85815
Pradhan, A.S. *see* Lakshmanan, A.R. 9—79661
Pradhan, D.S. *see* Ramakrishnan, N. 9—96626
Pradhananga, R. *see* Sharon, M. 9—52110
Pradhananga, R.R. *see* Sharon, M. 9—62016
Praeg, W. *see* Foss, M. 9—68102
Praeg, W.F. *see* Kim, S.-H. 9—49259
Praeg, W.F. *see* Stacey, W.M., Jr. 9—71967

Prael, R.E. *see* Gelbard, E.M. 9—89405
Prager, M. *see* Huller, A. 9—50954
Prager, S.C. *see* Lipschultz, B. 9—73029
Prager, W. *see* Rozvany, G.I.N. 9—67160
Pragst, F. *see* Alder, L. 9—81225
Prajapati, S.N., Soni, K.P., Bhatt, I.M. 2-mercaptobenzothiazole as a corrosion inhibitor for aluminium in chloro-acetic acids 9—57148
Prajapati, S.N. *see* Soni, K.P. 9—57149
Prakash, A. *see* Sharma, H.G. 9—72915
Prakash, B.G. Generalized orthogonality relation for rectangular strips in elastodynamics 9—64567
Prakash, H., Bhatnagar, G.S. Steady pulse propagation in an inhomogeneously broadened resonant medium 9—59748
Prakash, H., Bhatnagar, G.S. Steady propagation of pulses in resonant media 9—72633
Prakash, H., Bhatnagar, G.S. Chirped steady π-pulses of light of an arbitrary duration in a lossy, exactly resonant inverted medium 9—89947
Prakash, J. On the evaluation of the molecular and intramolecular dielectric relaxation parameters 9—56715
Prakash, J. ITC measurements in potassium bromide single crystals doped with selenium 9—91349
Prakash, O. *see* Meij, S.H. 9—70710
Prakash, P. *see* Siddiqi, F.A. 9—92168
Prakash, R., Kumar, V., Goyal, S.C. Photoelastic constants of cuprous halides 9—65837
Prakash, R., Singh, D.P., Birbal Singh Incoherent Cerenkov process as a source of low-latitude VLF emissions 9—75036
Prakash, S., Bonnet, J.E., Lucasson, P. Proton movement in FCC, BCC, and HCP metals 9—69293
Prakash, S., Lucasson, P. Size effect, valency factor, and point defect interactions in dilute alloys 9—51143
Prakash, S. *see* Biswas, K.K. 9—68772
Prakash, S. *see* Manohar, S.B. 9—67789
Prakash, S. *see* Muralikrishna, P. 9—66871
Prakash, S. *see* Singh, S. 9—96347
Prakash, Y. *see* Daftari, I.K. 9—89302
Prakash, Y. *see* Rao, N.K. 9—76024
Prakash Ram *see* Ram Prakash
Prakasha Rao, G.S. *see* Jeevananda Reddi, S. 9—100903
Praliaud, H., Coluccia, S., Deane, A.M., Tench, A.J. Oxidising properties of MgO formed by thermal decomposition of $Mg(OH)_2$ 9—100339
Pramanick, P., Dasgupta, C. Comparative microwave measurements of complex dielectric constant of high permittivity thin films 9—73879
Pramanik, G.C. An application of Karman's energy transfer process in hydromagnetic turbulence 9—81991
Pramatus, S. *see* Rundqvist, S. 9—60330
Pranch, A.S., Apanovich, Yu.V., Binkovskii, K.V., Sokolov, E.A. The development of cavities in the heterogeneous materials at the deformation of shift 9—55812
Prandl, W. The determination of magnetic structures 9—61064
Prandl, W. *see* Frey, F. 9—51252
Pranevicius, L., Markelis, A. The influence of ion-implantation-induced stress on the properties of magnetic bubble garnets 9—91274
Pranevicius, L. *see* Bruzas, S. 9—70197
Pranevicius, L. *see* Dudonis, J. 9—82483
Prange, R. Energetic (keV) ions of ionospheric origin in the magnetosphere. A review 9—66874
Prange, R.E., Korenman, V. Local-band theory of itinerant ferromagnetism. IV. Equivalent Heisenberg model 9—82745
Prange, R.E., Korenman, V. Local-band theory for itinerant ferromagnetism. V. Statistical mechanics of spin waves 9—82746
Prange, R.E. *see* Korenman, V. 9—73729, 9—99693
Pranitskii, A.A. *see* Bobrov, V.T. 9—100316
Prantl, G. Some observations on the effect of specimen size upon the plastic deformation around deep notches 9—70142
Prants, S.V. *see* Kopvillem, U.Kh. 9—61297, 9—69767
Prasad, A. *see* Chakravarty, B.C. 9—77621
Prasad, A. *see* Jain, G.C. 9—70184
Prasad, B., Rai, R.P. On radiative boundary shock waves 9—64694
Prasad, B. *see* Sharon, M. 9—52110
Prasad, B.M. *see* Sharon, M. 9—62016
Prasad, B.S.N., Mohanty, S. Electron loss mechanism at D-region heights on days of normal and anomalous winter absorption 9—88537
Prasad, E., Sayer, M., Noad, J.P. Anderson localization and electrical 1/f noise in lanthanum strontium vanadate 9—78142
Prasad, E. *see* Sayer, M. 9—91109
Prasad, G. On the geometry of relativistic electromagnetic fluid flows. II 9—58601
Prasad, G. On the geometry of the relativistic electromagnetic fluid flows 9—72950
Prasad, G., Sinha, B.B. Spacelike motions admitted by the magnetofluid space-times 9—80481
Prasad, G. *see* Kishore, K. 9—91941
Prasad, G.K. *see* Ramaswany, K. 9—72292
Prasad, I.Murali *see* Murali Prasad, I.
Prasad, J., Dixit, S.D., Ghosh, S.N. High frequency discharge through nitric oxide 9—82105
Prasad, J.N., Sinha, S.K., Prasad, R.S. Electrical conductivity studies in paraffin wax 9—99555
Prasad, J.S. *see* Rajalakshmi, P.K. 9—60347
Prasad, J.Shashidara *see* Shashidara Prasad, J.
Prasad, J.Shashidhara *see* Shashidhara Prasad, J.
Prasad, K.K. *see* Venkateshan, S.P. 9—50812
Prasad, K.V. *see* Gangadharan, R. 9—100505
Prasad, M.A. *see* Gupta, S.K. 9—54077
Prasad, M.A. *see* Sarkar, P.K. 9—58654
Prasad, M.K. Equivalence of Eguchi-Hanson metric to two center Gibbons-Hawking metric 9—58612
Prasad, M.K. Some calculations on the production and detection of $(\pi\mu)_{atom}$ from K_L^0 decay 9—81306
Prasad, M.K., Sinha, A., Chau Wang, L.-L. Parametric Backlund transformation for self-dual SU(N) Yang-Mills fields 9—97503
Prasad, N.S.K. Possibility of production of low cost solar grade silicon by trichlorosilane process 9—62007
Prasad, O.H., Suryanarayana, M. Third order elastic constants of some elements of cubic symmetry 9—51184
Prasad, P. *see* Ravindran, R. 9—55395
Prasad, P.L., Burow, D.F. Raman optical activity. Computation of circular intensity differentials by the atom-dipole interaction model 9—76407
Prasad, P.L., Burow, D.F. Raman optical activity. Computation of circular intensity differentials for bromochlorofluoromethane 9—85950
Prasad, P.L., Nafie, L.A. The atom dipole interaction model of Raman optical activity: reformulation and comparison to the general two-group model 9—82033
Prasad, P.N. Raman study of molecular motions in organic solids 9—73921
Prasad, R. Levels and transitions in ^{125}Te 9—71816
Prasad, R., Singh, C.P. Constraints due to partial conservation of axial-vector current and charmed-baryon couplings 9—89082
Prasad, R. *see* Kalluri, D. 9—50861, 9—77393
Prasad, R. *see* Sawan, Y. 9—51574
Prasad, R. *see* Singh, Z. 9—60492
Prasad, R. *see* Thakur, L. 9—83495
Prasad, R. *see* Verma, S.R. 9—89282
Prasad, R.C., Kalluri, D. Transient response of a cold lossy plasma half-space in the presence of a transverse static magnetic field 9—77388
Prasad, R.S. *see* Gupta, D. 9—99645
Prasad, R.S. *see* Prasad, J.N. 9—99555
Prasad, S., Krishnan, R., Suran, G., Sztern, J., Jouve, H., Meyer, R. Inhomogeneities and FMR spectra in some DC sputtered amorphous Gd-Co films 9—73822
Prasad, S. *see* Suran, G. 9—73820
Prasad, S.C. Effects of focal spot intensity distribution and collimator width in reconstructive X-ray tomography 9—70622
Prasad, S.K., Singhal, S.P., Herman, H., Del Cueto, J.A., Shevchik, N.J. EXAFS studies of precipitation in Al-1.7 at.% Cu [Extended X-ray absorption fine structure] 9—100151
Prasad, S.M., Mandal, D.K. The crystal structure of N-(p-chlorophenyl) maleamic acid, $Cl.C_6H_4NHCO.C_2H_2COOH$ 9—65065
Prasad, S.M., Sinha, R.B.P. The crystal structure of N-(p-tolyl)-maleamic acid $CH_3C_6H_4NHCO\text{-}C_2H_2COOH$ 9—65064
Prasad, S.N., Venugopalan, S., Billard, J. Anomalous smectic mesomorphism of 4,4'-di-n-pentyloxyazoxybenzene 9—77505
Prasad, T.R. *see* Venudhar, Y.C. 9—99121
Prasad, T.Ranga *see* Ranga Prasad, T.
Prasad, V.B., Ramana Rao, V.V. Hydromagnetic flow between two parallel porous walls in a rotating system 9—64779
Prasada Rao, C.V., Sastri, V.M.K. A study for optimum use of metallic plates for thermal storage in solar processes 9—57492
Prasanna, A.R. The role of space-time curvature in the study of plasma processes near neutron stars and black holes 9—84873
Prask, H.J. *see* Choi, C.S. 9—87795
Prasolov, A.P. *see* Evdokimov, T.F. 9—95735
Prasova, T.I. *see* Starodubtsev, Yu.N. 9—91709
Prat, R. *see* Dupoisot, H. 9—75601
Pratap, M., Lewis, R., Oh, B.Y., Smith, G.A., Whitmore, J., Ansorge, R.E., Booth, C., Elcombe, P., Carter, J.R., Neale, W.W., Rushbrooke, J.G., Simmons, A., Ward, D.R., White, T.O. Reactions $\bar{p}p \to p\pi^{\pm}X$ and a comparison with leptoproduction and the quark-parton model 9—63512
Pratap, M. *see* De Clercq, C. 9—89188
Pratap, M. *see* Ward, C.P. 9—75803
Pratap, S. *see* Chaturvedi, C.V. 9—73285
Pratap, V., Lal, H.B. DC electrical conductivity of some heavy rare earth molybdates 9—60831
Pratap, V., Verma, B.K., Lal, H.B. Transport studies on some C-type rare-earth sesquioxides 9—69763
Pratap, V. *see* Pandey, R.N. 9—69650
Prater, J.T., Egami, T. Magnetic studies on the dilute paired antiferromagnet $RbMn_{1-x}Mg_xCl_3$ 9—78338
Prater, J.T., Egami, T. Annealing effects in Ni-based amorphous alloys with dilute concentrations of Fe 9—78383
Prater, J.T., Egami, T. CPA theory for a dilute paired antiferromagnet 9—78389
Prates, M. *see* Garcia, A. 9—56971
Prates, M. *see* Nazar, A.M.M. 9—83355
Prathap, G., Pandalai, K.A.V. Non-linear vibrations of transversely isotropic rectangular plates 9—64559
Prathap, G., Varadan, T.K. Non-linear flexural vibrations of anisotropic skew plates 9—81778
Prather, M.J., McElroy, M.B., Wofsy, S.C., Logan, J.A. Stratospheric chemistry: multiple solutions 9—58008
Prato, G.Da *see* Da Prato, G.
Prats, F. *see* Harper, E.P. 9—67639
Pratt, A.R. Local estimation of delay parameter following robust detection 9—55267
Pratt, C. *see* Schwartz, G. 9—71002
Pratt, D.E. *see* Edmonds, P.D. 9—96610
Pratt, D.W. *see* Yamauchi, S. 9—50065
Pratt, G.W., Jr. *see* Quint, D.W. 9—86212
Pratt, J. *see* Minehart, R. 9—76032
Pratt, J.C. *see* Clark, D.A. 9—71995
Pratt, J.C. *see* Ray, L. 9—63669
Pratt, K.F. *see* Jenkins, H.D.B. 9—55693, 9—60307
Pratt, N.E. *see* Sodicoff, M. 9—92300
Pratt, P.L. *see* Curry, D.A. 9—52359
Pratt, P.L. *see* Dalgleish, B.J. 9—70234
Pratt, R.H. *see* Bechler, A. 9—64065
Pratt, R.H. *see* Iwinski, Z.R. 9—67717
Pratt, R.H. *see* Tseng, H.K. 9—72416
Pratt, R.L., Elliott, S.J., Bowsher, J.M. Comments on 'Acoustic impedance measurement using sine excitation and known volume velocity technique' [J. Acoust. Soc. Am. 64, 995-1003 (1978)] 9—98570
Pratt, S. *see* Keyes, T. 9—85085
Pratt, W.E. *see* Wiberg, K.B. 9—59440
Pratt, W.P., Jr., Uher, C., Schroeder, P.A., Bass, J. Thermoelectric measurements at milliKelvin temperatures 9—69500
Pratt, W.P., Jr. *see* Khoshenevisan, M. 9—73497
Pratt, W.T. *see* Bari, R.A. 9—49760, 9—81022
Pratt, W.T. *see* Gasser, R.D. 9—49672
Pratt Brock, C. Semi-empirical lattice energy calculations of crystalline biphenyl 9—73126
Prause, W. Energy and coercive field of a porous ferromagnetic sample with Bloch walls 9—51818
Prausnitz, J.M. *see* Edwards, T.J. 9—51243
Pravdic, V. *see* Jednacak-Biscan, J. 9—78152
Pravdin, L.S., Vlasov, K.B., Rodigin, N.M. Specific features of the magnetostriction effect in steel 9—51831
Pravdin, M.I. *see* Grigor'ev, V.M. 9—80168
Pravdina, N.N. *see* Klyavin, O.V. 9—69112
Pravdjuk, L.M. *see* Krat, V.A. 9—66982
Pravdo, S.H., Bussard, R.W., White, N.E. Pulse-phase spectroscopy of Hercules X-1 9—84870
Pravdo, S.H., White, N.E., Boldt, E.A., Holt, S.S., Serlemitsos, P.J., Swank, J.H., Szymkowiak, A.E., Tuohy, I., Garmire, G. HEAO 1 observations of the X-ray pulsar 4U 1626—67 9—92889
Pravdo, S.H. *see* Rose, L.A. 9—92890
Pravednikov, E.V. *see* Vydrin, V.N. 9—100195
Pravina Kumar, M., Bapna, S.C. Cryogenic level sensor/controller 9—75536
Pravoverov, N.L. *see* Struchkov, A.I. 9—79119
Prawits, R. *see* Gerhardt, P. 9—83921
Prayoonwech, C. *see* I-Ming Tang 9—61021
Precht, W. Vestibular mechanisms 9—96588
Precht, W. *see* Uliasz, T. 9—63278
Precht, W. *see* Viswanadham, R.K. 9—79099
Prechtel, J., Luscher, E., Kalus, J., Pintschovius, L., Ghosh, R. Measurement of mode Gruneisen parameters in Si 9—82298
Preda, A.M. *see* Cristescu, C.P. 9—59681
Predazzi, E. *see* Hinotanti, K. 9—93461
Predehl, P., Brauninger, H., Haelbich, R.-P. Transmission grating efficiencies in the 50-250-Å range 9—98466
Predel, B., Bencker, H., Vogelbein, W., Ellner, M. The heats of formation of ternary Laves phases of the $MgCu_2$-type in the $MgCu_2$-$MgZn_2$ system 9—66337
Predel, B., Hulse, K. Contribution on the thermodynamic properties of Mg-Ga alloys 9—51278
Predel, B., Hulse, K. Thermodynamic properties of metastable phases of the Mg-Ga system 9—52743
Predel, B. *see* Gerdes, F. 9—77755, 9—86892
Predel, B. *see* Gerling, U. 9—87615
Predel, B. *see* Gust, W. 9—87643, 9—91653
Predmore, C.R. *see* Genzel, R. 9—92836
Predmore, C.R. *see* Moran, J.M. 9—92779
Predtechenskii, A.A. *see* Kuznetsov, E.A. 9—98692
Predvoditelev, D.A. *see* Petrov, V.V. 9—53052, 9—70530
Preedom, B. *see* Piffaretti, J. 9—85511

Preedom, B.M., Corfu, R., Egger, J.-P., Gretillat, P., Lunke, C., Piffaretti, J., Schwarz, E., Jansen, J., Perrin, C. A systematic study of π^+ and π^- inelastic scattering from ^{28}Si in the region of the $\pi N(3, 3)$ resonance 9—97677
Preedom, B.M. *see* Dam, S.H. 9—85536
Preedom, B.M. *see* Lunke, C. 9—85537
Preger, M.A. *see* Bassetti, M. 9—68081, 9—72066
Preger, M.A. *see* Guiducci, S. 9—72135
Preinhaelter, J. *see* Kopecky, V. 9—60118
Preis, D. Audio signal processing with transversal filters 9—64406
Preis, G.A. *see* Belyi, V.I. 9—52384
Preisendorfer, R.W. *see* Barnett, T.P. 9—58019
Preisinger, K., Jasicek, H., Oberhummer, H., Riehs, P., Meyer, V., Muller, H.H., Ratel, G., Reichart, W., Schober, P., Wagner, R. Study of nuclear structure by means of the (p,α)-reaction in the Fe-region 9—75980
Preiss, D. *see* Kotecky, R. 9—49392
Preiss, I.L. *see* Dewanjee, M.K. 9—97655
Preissner, J. The influence of the atmosphere on passive radiometric measurements 9—88465
Prejean, J.J. Time and temperature evolution of the saturated thermoremanent magnetization of a spin glass 9—61167
Prejean, J.J. *see* Monod, P. 9—61168
Prekul, A.F., Sasovskaya, I.I. Peculiarities of infrared absorption in Ti-based alloys 9—65876
Prelas, M.A. *see* Miley, G.H. 9—86171
Prelato, M. *see* Lovisolo, D. 9—53095
Prelovsek, P. On the existence of a sharp transition in the coupled spin-$^1/_2$-phonon system 9—69204
Prelovsek, P. Numerical simulation of diffusion in a three-dimensional disordered lattice 9—78092
Prelovsek, P. *see* Gotze, W. 9—60672
Prem, A., Pilat, M.J. Calculated particle collection efficiencies by single droplets considering inertial impaction, Brownian diffusion and electrostatics 9—57525
Premachandran, S.K. *see* George, J. 9—78869
Premaswarup, D. *see* Subramanya Sastry, P. 9—99813
Premoli, C. *see* Katz, M.B. 9—62477
Premuda, F. *see* Bassini, A. 9—80968
Prenna, G. *see* Andreoni, A. 9—66449
Prentice, A.J.R. Origin of the solar system. I. Gravitational contraction of the turbulent protosun and the shedding of a concentric system of gaseous Laplacian rings 9—62765
Prentice, A.J.R., ter Haar, D. Origin of the Jovian ring and the Galilean satellites 9—84736
Prentice, J.D. *see* Goddard, M.C. 9—49544
Preobraxhenskii, M.A. *see* Zon, B.A. 9—59419
Preobrazensky, V.B. *see* Dolbilkina, N.A. 9—57870
Preobrazhenskii, B.K. *see* Aleksandrov, B.M. 9—71980
Preobrazhenskii, N.G., Sedelnikov, A.I., Chistyi, I.L. Instrumental distortions in Mandelstam-Brillouin scattering spectra 9—97442
Preobrazhenskii, N.G., Suvorov, A.E. Effect of radiation capture on the intensity ratio of resonance line components with a common upper level 9—98040
Preobrazhenskii, N.G., Suvorov, A.E. Grad moment method in problems associated with the transfer of line radiation 9—98877
Preobrazhenskii, N.G. *see* Bulyshev, A.E. 9—77334, 9—98020
Preobrazhenskii, N.G. *see* Kitaeva, V.F. 9—55113
Preobrazhenskii, V.L. *see* Sobolev, V.P. 9—69216
Preparata, G. Predictions for the top quark mass and for the generalized Cabibbo angle 9—49447
Preparata, G., Soffer, J. An important test of short-distance behaviour: the spin dependence of large angle nucleon-nucleon elastic scattering 9—97598
Prepost, R. *see* Johnson, J.R. 9—63838
Presby, H.M., Marcuse, D. Preform index profiling (PIP) 9—50448
Presby, H.M., Marcuse, D. Preform index profiling 9—50464
Presby, H.M., Marcuse, D., Astle, H.W., Boggs, L.M. Rapid automatic index profiling of whole-fiber samples. II 9—81527
Presby, H.M. *see* Boggs, L.M. 9—76816
Preschel, G. *see* Butter, E. 9—90909
Presciuttini, L. *see* Amendola, A. 9—97795
Prescott, C.Y. Parity violation in inelastic scattering of polarized electrons 9—63482
Prescott, C.Y., Atwood, W.B., Cottrell, R.L.A., DeStaebler, H., Garwin, E.L., Gonidec, A., Miller, R.H., Rochester, L.S., Sato, T., Sherden, D.J., Sinclair, C.K., Stein, S., Taylor, R.E., Young, C., Clendenin, J.E., Hughes, V.W., Sasao, N., Schuler, K.P., Borghini, M.G., Lubelsmeyer, K., Jentschke, W. Further measurements of parity non-conservation in inelastic electron scattering 9—75776
Prescott, C.Y. *see* Cooper, P.S. 9—58540
Prescott, W.H. *see* Savage, J.C. 9—74883, 9—84079, 9—84126
Presland, M.R. *see* Edgar, A. 9—61209
Presle, G., Horvath, H. Visibility in turbid media with colored illumination 9—72489
Presley, J. *see* Aziz, R.A. 9—68292
Presley, J.D. *see* Telford, J.W. 9—92576
Presnajder, P. *see* Presnajderova, E. 9—71821
Presnajderova, E., Presnajder, P., Povinec, P. Comment on internal pair production in nuclear decay 9—71821
Presnukhina, I.P. *see* Dunaev, V.V. 9—55564
Presnyak, O.S. *see* Belovitskii, G.E. 9—75855
Presnyak, O.S. *see* Belovitskii, G.N. 9—75989
Presnyakov, A.A., Aubakirova, R.K., Gorbacheva, L.K., Degtyareva, A.S. Variation in instantaneous strain rates of superplastic specimens deformed in tension 9—79033
Presnyakov, A.A., Polyukhov, V.V., Aubakirova, R.K., Gorbacheva, L.G., Seredkina, F.I. Method of determining the localization of deformation in tension 9—87790
Presnyakov, A.A. *see* Berin, I.Sh. 9—83272
Presnyakov, A.A. *see* Mironenko, Yu.P. 9—70250
Presnyakov, L.P. *see* Kaulakis, B.P. 9—85938
Presnyakov, Yu.P. *see* Moroz, E.V. 9—67252
Presnyakova, O.V., Zaitsev, V.I., Doroshenko, N.A. Aluminum polygonization under high pressure 9—66070
Press, M., Arrott, A.S. An analysis of steam flow in a chip refiner 9—50787
Press, W. *see* Kataoka, Y. 9—51020
Press, W.H., Vishniac, E.T. Production of new cosmological perturbations during the radiation-dominated era 9—58454
Press, W.H. *see* Flannery, B.P. 9—97044
Presser, G. *see* Stahler, J. 9—85864
Presser, K.H. Air flow measurement by means of the compensation method 9—98842
Pressesky, A.J. *see* Garland, D.L. 9—97786
Pressigout, R. *see* Frit, B. 9—65037
Pressley, H., White, J. Phase relationships and microstructures in certain copper oxide-containing systems and their bearing on the attack of copper slags on basic refractories 9—74140
Prestegard, J.H., Cramer, J.A., Viscio, D.B. Nuclear magnetic resonance determinations of permeation coefficients for maleic acid in phospholipid vesicles 9—83711
Prester, M. *see* Bilijakovic-Franulovic, K. 9—51253
Prester, M. *see* Biljakovic-Franulovic, K. 9—55897
Preston, B.N. *see* Laurent, T.C. 9—57567
Preston, C.M. *see* Adams, W.A. 9—56220
Preston, J.H. *see* Sachdeva, R.C. 9—72884
Preston, K., Jr. *see* Fong, C.P. 9—88182
Preston, K.F. *see* Boate, A.R. 9—85977
Preston, K.F. *see* Morton, J.R. 9—65728, 9—76453
Preston, M.A., van Dijk, W. Interaction current effects in proton-neutron bremsstrahlung 9—63510
Preston, R.F. *see* Brabb, E.E. 9—88273
Preston, R.S. Isomer shift at phase transitions 9—87352
Prestwich, K.R. *see* Ramirez, J.J. 9—94239
Prestwich, W.V. *see* Ramanathan, N. 9—49618
Prestwich, W.V. *see* Vartsky, D. 9—92441
Presuhn, R. *see* Aumann, D.C. 9—97921
Preszler, L. *see* Lajos, T. 9—68886
Pretorius, V. *see* Davies, R.D. 9—74478
Pretzsch, G. A method for the calculation of the stopping power for ions in matter 9—51175
Preudhomme, J. *see* Tarte, P. 9—91431
Preukschas, U. *see* Pelzl, G. 9—94884
Preuss, A.W. *see* Davies, P.B. 9—76454
Preuss, A.W. *see* Hack, W. 9—52629
Preuss, H. *see* Stoll, H. 9—97980
Preuss, R., Buenker, R.J., Peyerimhoff, S.D. Theoretical study of the electronically excited states of the HNSi molecule 9—49947
Preuss, R.D. A frequency domain noise cancelling preprocessor for narrowband speech communications systems 9—68511
Preusser, P. *see* Stephan, K. 9—68559
Prevenslik, T. *see* Chi, J.W.H. 9—85789
Previc, F.H. *see* Harter, M.R. 9—62246
Preville, Y.De *see* De Preville, Y.
Prevot, B. *see* Hennion, B. 9—60446
Prewer, B.E. *see* Herman, H. 9—72553
Pribbe, S.A. *see* Kostrzhitskii, A.I. 9—74093
Pribram, K.H. *see* Nuwer, M.R. 9—100616
Pribyl, F. Thermal imaging 9—97383
Pribylov, N.N. *see* Kirillov, V.I. 9—73343
Price, A.H. *see* Buka, A. 9—82151, 9—82153
Price, C. *see* Williams, G. 9—101222
Price, D.C. *see* Ross, R.N. 9—51553
Price, D.C. *see* Rush, J.D. 9—69755, 9—69756
Price, D.W. *see* Mazarakis, M.G. 9—72133
Price, F.P. Hydrodynamics of block copolymers 9—69273
Price, F.P. The search for spinodal decomposition in binary systems of high molecular weight polymers 9—70062
Price, F.P., Gilmore, P.T., Thomas, E.L., Laurence, R.L. Polymer/polymer diffusion. I. Experimental technique 9—69271
Price, F.P. *see* Armitage, D. 9—69230
Price, F.P. *see* Ong, C.J. 9—69019, 9—69020
Price, F.P. *see* Sherwood, C.H. 9—69021
Price, G.B. *see* Ottensmeyer, F.P. 9—92453
Price, G.D. *see* Putnis, A. 9—80284
Price, G.G., Rawlings, K.J., Hopkins, B.J. A LEED and AES study of the adsorption of chlorine on W(100) at room temperature 9—90878
Price, G.R. Loss of auditory sensitivity following exposure to spectrally narrow impulses 9—96568
Price, H., Johnson, A. Relationship between alluvial soils and flooding in the Piedmont Lowland of southeastern Pennsylvania 9—88385
Price, H.G. *see* Ekstron, L.P. 9—59032
Price, H.G. *see* Mustaffa, O.M. 9—85402
Price, J.F. On the scaling of stress-driven entrainment experiments 9—50768
Price, L., Haward, R.N., Parsons, I.W. The preparation of new polymers by the high pressure polymerization of trivinyl benzene 9—70326
Price, L.R. Electrical impedance computed tomography (ICT): A new CT imaging technique 9—66500
Price, L.R. An improved coded-aperture system for emission computed tomography (ECT) 9—66534
Price, L.S. *see* Machalek, M.D. 9—71993
Price, L.W. The current status of scintillation counting 9—76271
Price, M. *see* Armenise, N. 9—67536, 9—93398
Price, M.E. *see* Ahlman, R.S. 9—67991, 9—72012
Price, M.J., Franz, O.G. Uranus: narrow-waveband disk profiles in the spectral region 6000 to 8500 Angstroms 9—66960
Price, M.P., Rush, W.F. Nonrelativistic contribution to Mercury's perihelion procession 9—71184
Price, N.B. *see* Curtis, W.F. 9—84313
Price, R.H. *see* Cunningham, C.T. 9—75228
Price, R.J. Cyclic fatigue of near-isotropic graphite: influence of stress cycle and neutron irradiation 9—52335
Price, S.D. Extended source extraction from the Air Force Geophysics Laboratory (AFGL) infrared sky survey data 9—101088
Price, S.L., Stone, A.J. Correction for basis superposition error in correlated wavefunctions 9—85904
Price, S.M. *see* Cherry, B.W. 9—70216
Price, T.J. *see* Allen, D.C. 9—89698
Price, W.E. *see* Bouquet, F.L. 9—92648
Price, W.G., Jr. *see* Jassby, D.L. 9—50898
Price, W.J. New techniques of atomic absorption in clinical and biochemical analysis 9—96398
Prichard, A.W. *see* Robinson, A.H. 9—89414
Prichard, H.M., Mitchell, J.G. K-Ar data for the age and evolution of Gettysburg Bank, North Atlantic Ocean 9—88322
Prick, P.A.J. *see* Beurskens, P.T. 9—99028
Pridannikova, N.A. *see* Tager, A.A. 9—86871
Pridanov, V.G. *see* Lebiga, V.A. 9—64688, 9—98749
Pridham, R.G. *see* Lindgren, A.G. 9—74757
Pridohl, E. *see* Afanas'ev, V.A. 9—97832
Pridor, A. *see* DiPrima, R.C. 9—59989
Priebe, L.A., Welch, A.J. A dimensionless model for the calculation of temperature increase in biologic tissues exposed to nonionizing radiation 9—57706
Priebe, L.A. *see* Welch, A.J. 9—92290
Prieels, R. *see* Argan, P. 9—85453, 9—85454, 9—89291
Priel, Z. *see* Wolff, C. 9—90518
Priemer, R. *see* France, D.M. 9—81006
Priesmeyer, H.G. *see* Podewils, P. 9—60444
Priest, E.R. *see* Hood, A.W. 9—92737
Priest, N.D., Hunt, B.W. The calculation of annual limits of intake for plutonium-239 in man using a bone model which allows for plutonium burial and recycling 9—53252
Priest, R.G. *see* Schoen, P.E. 9—87429
Priester, L. *see* Bouchet, D. 9—100147
Priester, R.W., Miller, L.S. Estimation of significant wave height and wave height density function using satellite altimeter data 9—100852
Prieto, F.E., Renero, C. Equation of state of materials under pressure 9—95117
Prieto, Kh.Kh. *see* Cheremskoi, P.G. 9—60646
Prieur, C. Examination of ceramic minerals by X-ray diffraction at high temperatures 9—96234
Prieur, J.-Y. *see* Page, J.H. 9—77689
Priezzhev, A.V., Romanovskii, Yu.M. Laser Doppler spectroscopy and its applications in biology 9—66598
Priezzhev, V.B. Model of monomers and dimers with interaction 9—71380
Prigancova, A. Stable solar wind and geomagnetic activity 9—53696
Prigancova, A. *see* Krajcovic, S. 9—100813
Prigent, J. *see* Chevrel, R. 9—73619
Prigo, R.B., Rosales, A., Harding, R.B., Wormsbecher, R. One beer for the price of two 9—97154
Prigodin, V.N., Firsov, Yu.A. Quasi one-dimensional generalization of the Tomonaga-Luttinger model 9—51560
Prigodin, V.N., Firsov, Yu.A. Critical temperature for the phase transition in quasi one-dimensional metal 9—78253
Prigogine, M., Fripiat, J.J. The reactivity of silica surfaces 9—79284

Prigorovskii, N.I., Cherpakova, N.S. Holography methods in mechanical tests 9—87788
Prigunova, A.G., Rostovskaya, E.A., Romanova, A.V. The structure of aluminium-silicon melts as a function of the silicon content 9—73091
Prikhod'ko, A.N. *see* Gavril'ev, A.I. 9—80136
Prikhod'ko, A.Y. *see* Spiridonov, V.P. 9—97368
Prikhod'ko, A.Ya. *see* Erokhin, E.V. 9—68330
Prikhod'ko, V.Yu. *see* Merkulov, V.N. 9—64385, 9—94550
Prikhotko, A.F., Pavloshchuk, V.A., Shanskii, L.I. Herzberg transition I in the absorption spectrum of the $^{18}O_2$ oxygen isotope 9—72313
Prikhot'ko, A.F. *see* Gabovich, A.M. 9—65578
Prikryl, I. Propagation of light in rectangular dielectric waveguide 9—98490
Prilepin, M.T., Golubev, A.N., Medovikov, A.S. Interferometric methods for distance measuring in the study of recent crustal movements 9—80057
Prilepskii, V.N. *see* Shchetanov, B.V. 9—87723
Prilipov, V.V. *see* Kapanin, V.V. 9—65205
Primachenko, V.E. *see* Antoshchuk, V.V. 9—73544
Primachenko, V.E. *see* Milenin, V.V. 9—91124
Primack, J.R. *see* Brandt, R.A. 9—54248
Primak, W. Frequency factors for the annealing of the electrical resistance changes in deuteron-bombarded copper 9—77648
Primak, W., Monahan, E. Improved servo-polarimeter 9—71509
Primakoff, H. *see* Kim, C.W. 9—97663
Primatarowa, M.T. *see* Kandilarov, B.D. 9—78162, 9—95478
Primenko, V.I., Gudovich, O.D. Temperature dependence of thermal capacity of lead containing glasses 9—95181
Primenko, V.I. *see* Galyant, V.I. 9—61637
Primet, M., Fouilloux, P., Imelik, B. Propene-V_2O_5 interactions studied by infrared emission spectroscopy 9—90881
Primiano, F.P., Jr. *see* Margalith, A. 9—57805
Primicerio, M. *see* Fasano, A. 9—90326
Primini, F.A. *see* Byrne, P. 9—67118
Prince, E.T., Helbig, H.F., Czanderna, A.W. Apparatus for simultaneous measurement of mass change, optical transmittance, and reflectance of thin films 9—75501
Prince, F.C. *see* Bull, D.J. 9—98389
Prince, F.C.de *see* de Prince, F.C.
Prince, J. *see* Hartzell, S.H. 9—84124
Prince, J.L., Lathrop, J.W. Accelerated stress testing of terrestrial solar cells 9—74528
Prince, J.L., Lathrop, J.W., Morgan, F.W., Royal, E.L., Witter, G.W. Accelerated stress testing of terrestrial solar cells 9—92083
Prince, J.L. *see* Lathrop, J.W. 9—74527
Prince, J.R. Comments on equilibrium, transient equilibrium, and secular equilibrium in serial radioactive decay 9—80901
Prince, K.C., Martin, J.W. The effects of dispersoids upon the micromechanisms of crack propagation in Al-Mg-Si alloys 9—83286
Prince, M.B. The United States terrestrial photovoltaics program 9—61976
Princen, H.M. Highly concentrated emulsions. I. Cylindrical systems 9—92008
Pringle, J.E., Savonije, G.J. X-ray emission from dwarf novae 9—67031
Pringle, J.E. *see* Hill, P.W. 9—75225
Pringle, J.E. *see* Terlevich, R.J. 9—53831
Pringle, J.S., Flowers, A.G., Branford, D., McGeorge, J.C., Zimmerman, C.H. Electrodisintegration of ^{197}Au 9—89296
Pringle, J.S. *see* Flowers, A.G. 9—85459
Prinke, D. *see* Harms, H.-H. 9—93106
Prins, D. *see* McFarlane, S.C. 9—96585
Prins, M. *see* Smits, R.M.M. 9—50911, 9—50912
Prints, V.Ya. *see* Kravchenko, A.F. 9—60766
Prinz, F. *see* Korner, A. 9—51108
Prinz, G.A. *see* Krebs, J.J. 9—82956
Prinz, M. *see* Harlow, G.E. 9—66963
Prinzler, H., Savchenko, M.M. Diagnostics of LF plasma fluctuations by probes and optical line radiation 9—64905
Prior, K.A., Schwaha, K., Bridge, M.E., Lambert, R.M. Surface structure of the non-unique planes of hexagonal metals: a LEED study of Co(1012) 9—99402
Prior, M.H. *see* Knight, R.D. 9—81303
Prior, Y., Vogt, H. Measurements of UV two-photon absorption relative to known Raman cross sections 9—81487
Priou, R. System Re-Hg-O 9—66281
Prioul, C., Carrard, M., Plusquellec, J., Azou, P., Hyspecka, L. Internal friction anomaly associated with a reheat transformation in Fe-Ni-C alloys 9—100204
Prishchepa, S.L. *see* Golovashkin, A.I. 9—60986
Prishivalko, A.I. The possibility of using gravity log data in the reduction of ground gravity anomalies 9—84082
Prishivalko, A.P. *see* Astaf'eva, L.G. 9—66790
Pristupa, A.I., Lesin, V.I., Frankevich, E.L. Sign reversal of the magnetic resonance change of the annihilation rate of triplet excitons caused by their dynamic polarization 9—65769
Pritchard, A.W., Binney, S.E. Criterion for a minimum number of radiometric sampling sites 9—53013
Pritchard, D.E., Smith, N., Driver, D., Brunner, A. Power law scaling for rotational energy transfer 9—54942
Pritchard, D.E. *see* Brunner, T.A. 9—64029
Pritchard, D.E. *see* Chang, A.M. 9—68297
Pritchard, D.E. *see* Wainger, M. 9—98204
Pritchard, G. *see* Edwards, W. 9—64993
Pritchard, H.O., Nicholls, R.W., Lakshmi, A. Ultraviolet sensitization of silicon detectors for space astronomical applications 9—84668
Pritchard, H.O. *see* Baille, P. 9—86001
Pritchard, H.O. *see* Yau, A.W. 9—74368
Pritchard, J.T., Lloyd, W.B. The benchless laser 9—76723
Pritchard, R.G. *see* Adams, J.M. 9—90602
Pritchet, C. Imagery of the S0 Galaxy NGC 5102 9—92847
Pritchet, W.C. *see* Berry, B.S. 9—73791
Pritchett, J.W., Garg, S.K. Flow in an aquifer charged with hot water from a fault zone 9—74921
Pritchin, S.A. *see* Andrievskii, R.A. 9—77641
Pritzker, A. *see* Auerbach, T. 9—81082
Privalko, V.P., Andrianova, G.P., Besklubenko, Yu.D., Narozhnaya, E.P., Lipatov, Yu.S. Thermodynamical properties and viscosity of a melt of polystyrenes with variable structure 9—51295
Privalko, V.P., Titov, G.V. Heat capacity of filled amorphous polymers 9—65211
Privalov, P.L., Tsalkova, T.N. Micro- and macro-stabilities of globular proteins 9—92135
Privalov, P.L. *see* Potekhin, S.A. 9—53023
Privalov, V.A., Smirnov, E.A. Experimental study of the dynamic characteristics of an He-Ne laser discharge 9—98341
Privalov, V.E., Yudin, S.F. Dependence of the amplification of gas-laser emission on the geometry of the discharge cross section 9—64203
Privalov, V.E. *see* Pavlov, P.A. 9—55595
Privalov, V.I. *see* Osherovich, A.L. 9—98042
Privarnikov, A.K. *see* Vigderovich, I.E. 9—76969
Privett, O.S. *see* Shimasaki, H. 9—57723
Privorotskii, I.A. *see* Alexandrakis, G.C. 9—82879
Priyadarsini, D.K. *see* Srinivasa Rao, M. 9—49609
Priyezzhev, A.V., Romanovskii, Yu.M., Tikhomirov, A.G., Pentegova, L.I. Investigation of the non-steady flow of the protoplasm of the plasmodium of myxomycetes by the method of laser Doppler anemometry 9—57681
Priyokumar Singh, S., Kaushik, D.K., Chattopadhyaya, S.K., Nath, N. Thickness measurements of single and composite thin metal films using the X-ray fluorescence technique 9—90911
Priyutov, M.V. *see* Kamenskii, Yu.V. 9—64033
Priyutov, M.V. *see* Sokolov, M.N. 9—89686
Probeck, H.D. *see* Hansmann, I. 9—79607
Prober, D.E. Simple bridge detector for use with a low-temperature capacitance thermometer, and thermometer performance limits 9—54132
Probert, P., Shohet, J.L., Hatch, A.J. Supercritical density modifications of a laser-produced plasma due to resonant cavity fields 9—50875
Probert, S.D. *see* O'Callaghan, P.W. 9—86476
Probst, C., Wittig, J. Superconductivity: metals, alloys and compounds 9—69621
Probst, C. *see* Ullrich, K. 9—56359
Probst, F. *see* Shenoy, G.K. 9—73613
Probst, P.A. *see* MacInnes, W.M. 9—60821
Probstle, G. *see* Bolger, J. 9—85515
Procaccia, I., Ronis, D., Collins, M.A., Ross, J., Oppenheim, I. Statistical mechanics of stationary states. I. Formal theory 9—58623
Procaccia, I., Ross, J. Stability and relative stability in systems with multiple stationary states 9—79280
Procaccia, I. *see* Machta, J. 9—61389
Procaccia, I. *see* Ronis, D. 9—54035, 9—58624
Prochaska, F.T. *see* Andrews, L. 9—68231, 9—96339
Prochazka, K., Saxl, I., Sklenicka, V., Cadek, J., Kudrman, J. Development of intracrystalline slip bands in high temperature creep of copper 9—77604
Prochazka, K. *see* Cowie, J.M.G. 9—90789
Prochazkova, D., Schenkova, Z., Karnik, V. Macroseismic fields of the main Friuli shocks in 1976 9—84173
Prochazkova, D. *see* Iosif, S. 9—84169
Prochazkova, D. *see* Radu, C. 9—84168
Prochorenko, T.W. *see* Optow, W.A. 9—99347
Prochorow, J., Hopewell, W., El-Sayed, M.A. The α-substitution effect, intramolecular or medium induced? 9—98154
Prochukhan, V.D. *see* Averkieva, G.K. 9—51665
Proctor, I.D. *see* Mann, L.G. 9—54378
Proctor, M.R.E. *see* Branover, H. 9—60070
Proctor, R.J., Skinner, G.K., Willmore, A.P. The design of optimum coded mask X-ray telescopes 9—66923
Proctor, T.M. *see* Cook, R.K. 9—81674
Proctor, T.R., Stwalley, W.C. Simple approximations for the long-range interactions of S-state alkali atoms with rare gas and hydrogen atoms 9—76480
Prodan, A. *see* Cadee, M.C. 9—77576
Prodanov, Ja.D., Dimcev, T.V., Georgieva, L.G., Stefanov, G.I. Investigating the radioactive pollution of the Danube in the 1972-1975 period with a low background γ-spectrometer for fast instrumental analysis 9—88019
Prodanova, R.I. *see* Petkov, P.T. 9—85601
Prodanova, R.I. *see* Stefanov, G.I. 9—87929
Prodehl, C. *see* Bamford, D. 9—53314
Prodehl, C. *see* Ginzburg, A. 9—79766
Prodell, A.G. *see* Allinger, J. 9—76203
Prodi, F. *see* Levi, L. 9—79933
Produvnov, A.B. *see* Burtsev, V.A. 9—55597, 9—64950
Proenza, L.M. *see* Criswell, M.H. 9—62254
Proetel, D. *see* Stroke, H.H. 9—49580
Proeyen, A.Van *see* Van Proeyen, A.
Profant, R. *see* Miller, D. 9—49353
Proffitt, M.H., Frommhold, L. New measurement of the trace of the helium diatom polarizability from the collision-induced, polarized, Raman spectrum 9—64011
Proffitt, M.H., Frommhold, L. Concerning the instrumental profile of a double monochromator 9—68444
Proffitt, M.H. *see* Frommhold, L. 9—72320, 9—98107
Profos, P. Representativity errors in chemical measurements technology 9—71400
Prognimak, A.B. *see* Kobylinskii, N.A. 9—85283, 9—89136
Prohofsky, E.W., Lu, K.C., Van Zandt, L.L., Putnam, B.F. Breathing modes and induced resonant melting of the double helix 9—62180
Prokes, K. *see* Lokajicek, M. 9—74720
Prokhaska, Ya., Ginstler, Ya., Gangli, P., Komaromi, M. Accuracy of determination of temperature distribution in specimens accompanying thermal fatigue 9—68542
Prokhnich, V.P. *see* Semenov, L.N. 9—52566
Prokhnitskii, L.A. *see* Dykman, I.M. 9—73520
Prokhodtseva, L.V. *see* Bokshtein, S.Z. 9—57009
Prokhorenko, I.P. *see* Akimov, Yu.K. 9—49525
Prokhorenko, Yu.A. *see* Agafonov, E.A. 9—100866
Prokhorov, A.M., Spikhal'skii, A.A., Sychugov, V.A., Khakimov, A.A. Polarization effects in corrugated optical waveguides 9—64339
Prokhorov, A.M., Trushin, E.V., Vitrichenko, E.A. Fundamental principles for automation of the process of shaping astronomical optics 9—84675
Prokhorov, A.M. *see* Ablekov, V.K. 9—55142
Prokhorov, A.M. *see* Aleksandrov, V.I. 9—70032
Prokhorov, A.M. *see* Alferov, Zh.I. 9—64346
Prokhorov, A.M. *see* Amosov, A.A. 9—89976
Prokhorov, A.M. *see* Andreev, A.S. 9—76863
Prokhorov, A.M. *see* Apollonov, V.V. 9—72603
Prokhorov, A.M. *see* Basiev, T.T. 9—78747
Prokhorov, A.M. *see* Belanov, A.S. 9—94360
Prokhorov, A.M. *see* Belov, A.V. 9—59857
Prokhorov, A.M. *see* Belyaletdinov, I.F. 9—72706
Prokhorov, A.M. *see* Brodov, M.E. 9—98427
Prokhorov, A.M. *see* Bulatov, E.D. 9—50023
Prokhorov, A.M. *see* Dul'nev, G.N. 9—64238
Prokhorov, A.M. *see* Gur'yanov, A.N. 9—64345
Prokhorov, A.M. *see* Karlov, N.V. 9—77331, 9—91999
Prokhorov, A.M. *see* Kozlov, D.N. 9—98109
Prokhorov, A.M. *see* Zaroslov, D.Yu. 9—76676
Prokhorov, A.M. *see* Zolotov, E.M. 9—59770
Prokhorov, E.D. *see* Arkusha, Yu.V. 9—82621
Prokhorov, N.A. *see* Bobrov, S.T. 9—98321
Prokhorov, S.O., Shchukin, V.A. Assessment of the possibilities for ultrasonic inspection of welded T-joints by means of a normal-entry probe on the far side of the main member 9—52570
Prokhorov, V.I. *see* Agapova, N.P. 9—97814
Prokhorovich, A.V. *see* Glinchuk, K.D. 9—52010, 9—95833
Prokhorovich, A.V. *see* Vovnenko, V.I. 9—91495
Prokhvatilov, A.I. *see* Krupskii, I.N. 9—55696
Prokic, D. A method for attesting weights of different classes of accuracy 9—49206
Prokic, M. Mechanism of thermoluminescence in natural barites 9—78763
Proklov, V.V. The possibility of rapid variation of the focal length of an acoustic system 9—81641
Proklov, V.V., Mesh, M.Ya., Antonov, S.N. Acoustooptical device with a TeO_2 volume-acoustic-wave generator 9—90030
Proklov, V.V., Suchyugov, V.A., Korablev, E.M., Lyndin, N.M., Andreev, A.S. Improved performance of planar acousto-optic modulations for integrated optical circuits 9—90032
Proklov, V.V. *see* Andreev, A.S. 9—76863
Prokof'ev, E.N. *see* Kosulina, T.G. 9—76859
Prokof'ev, O.E. *see* Alkhazov, G.D. 9—80938
Prokof'ev, P. *see* Bondarenko, V. 9—67700
Prokof'ev, P.T. *see* Beitin, M.R. 9—75838
Prokofeva, N.I. *see* Gribov, L.A. 9—76415
Prokof'eva, T.V. *see* Chernorukov, N.G. 9—55726
Prokof'eva, V.P. *see* Kondratenko, M.I. 9—80582
Prokofjev, P.T. *see* Van den Cruyce, J.M. 9—93491
Prokop, Z. Problems of thermal influencing of water courses through warmed-up water effluents from thermal power plants 9—57505
Prokopalo, O.I. *see* Smotrakov, V.G. 9—100041
Prokopalo, O.I. *see* Turik, A.V. 9—87375

Prokopchuk, B.I. *see* Klyuev, Yu.A. 9—92530
Prokopchuk, S.I., Raikhbaum, Ya.D., Studennikova, T.G. Method of direct spectral determination of gold in geological samples 9—70391
Prokopenko, A.I. *see* Donskova, E.N. 9—100070
Prokopenko, A.V. Investigation into the effect of low temperatures and heat treatment on the growth rate of fatigue cracks in steels 9—57027
Prokopenko, A.V., Znachkovskii, O.Ya., Izarov, M.A. Oscillographic determination of the characteristics of fracture toughness in impact bending 9—66231
Prokopenko, M.I. *see* Pirogov, Yu.A. 9—83164
Prokopenko, V.E. *see* Drozhbin, Yu.A. 9—64342
Prokopenko, V.G. *see* Gavrilyuk, V.G. 9—82900
Prokopenko, V.K. *see* Kovtun, N.M. 9—95580
Prokopenko, V.M. *see* Osip'yan, Yu.A. 9—91092
Prokopenko, V.S., Gabeskiriya, V.Ya., Inchagov, A.V., Novikov, Yu.B., Prokop'ev, V.M., Tikhomirov, V.V., Chetverikov, A.P. Measurement of α values of ^{235}U, ^{238}U, and ^{239}Pu in active zone of BOR-60 reactor 9—97830
Prokopenko, V.S., Sklyarenko, V.D., Chernievskii, V.K., Shustov, A.V. Proton scattering by ^{12}C, ^{16}O, $^{24,26}Mg$, ^{28}Si at incident energy 6.9 MeV, and the spin-flip probability 9—59071
Prokopenko, V.T. *see* Geidur, S.A. 9—69807, 9—86811
Prokopets, A.A. *see* Akopyan, A.R. 9—58691
Prokopets, G.A. *see* Ol'khovskii, V.S. 9—80942
Prokop'ev, E.P. *see* Aref'ev, K.P. 9—99974
Prokop'ev, S.I. *see* Kesil'man, E.Sh. 9—80082
Prokop'ev, V.M. *see* Kalygin, V.V. 9—63857
Prokop'ev, V.M. *see* Prokopenko, V.S. 9—97830
Prokopiev, A.I. *see* Baldin, A.M. 9—72125
Prokopov, V.G., Bespalova, E.I., Sherenkovskii, Yu.V. Calculation of the temperature regimes of thick-walled constructions 9—64484
Prokoshin, A.F., Molotilov, B.V., Gratsianov, Yu.A., Zhelnov, A.N. Anomalous magnetization of amorphous alloys in strong magnetic fields 9—78441
Prokoshkin, D.A., Vasil'eva, E.V., Tret'yakova, G.G., Arzamasov, V.B. Influence of the adsorptive power of alloying elements on plastic properties of niobium 9—74234
Prokoshkin, D.A., Vasil'eva, E.V., Tret'yakov, V.I., Voronova, T.A. Effect of small concentrations of substitutional alloying elements and structural defects on diffusion of nitrogen and niobium 9—55938
Prokoshkin, S.D. *see* Bernshtein, M.L. 9—57018
Prokoshkin, Y.D. *see* Apel, W.D. 9—75800
Prokoshkin, Yu.D. *see* Apel', V.D. 9—67609, 9—89194
Prokoshkin, Yu.D. *see* Apel, W.D. 9—54361, 9—58978, 9—89195, 9—93464
Prokoshkin, Yu.D. *see* Dzhelyadin, R.I. 9—67556
Prokoshkin, Yu.D. *see* Victorov, V.A. 9—67546
Proksch, P. General relations for nonperiodic bandlimited signals in three-dimensional electron flow 9—68360
Proksch, P. Energy and power of bandlimited fields in lossless nonlinear media 9—89828
Prokunin, A.N., Proskurnina, N.G. Relation between homogeneous and inhomogeneous stretching of an elastic fluid 9—86392
Pron, A. *see* Weinberger, B.R. 9—95566
Pronenko, V.I. *see* Kopshin, V.V. 9—80606
Pronin, I.I. *see* Gomoyunova, M.V. 9—69928, 9—69935, 9—99999
Pronin, M.P., Chikirdin, E.G. Fluorographic camera with lens objective and angular tube for tomofluorography 9—57750
Pronina, E.M. *see* Pogrebnyak, A.D. 9—91769
Pronina, L.N., Shmyt'ko, I.M., Aristov, V.V. Investigation of the structure of rolled molybdenum single crystal in diverging X-ray beam 9—70083
Pronina, N.I. *see* Petrunov, V.S. 9—78999
Pronk, R.A.F. *see* Van Der Weide, H. 9—100784
Pronkin, A.A., Igitkhanyan, Yu.G., Khalilev, V.D., Dzhavuktsyan, S.G., Tarlakov, Yu.P. Electrical conductivity of glasses in the $Ba(PO_3)_2$-AlF_3-MeF_2 (Me=Ba, Sr) system 9—95215
Pronkin, A.A. *see* Il'in, A.A. 9—99274
Pron'kina, T.I. *see* Os'kina, T.E. 9—61547
Pronko, J.G., Chase, L.F. Temporal characteristics and saturation effects of organic scintillators to low-energy X-rays 9—81125
Pronko, J.G., Fisher, T.R., Chase, L.F. Emission spectra characteristics and selective filtering studies of organic scintillators 9—76280
Pronko, J.G., Kohler, D., Chase, L.F. Saturation effects of organic scintillators to nanosecond-pulses of low-energy X-rays 9—93880
Pronko, P.O., Appleton, B.R., Holland, O.W., Wilson, S.R. Anomalous yield enhancement for highly collimated 180° scattering of He^+ in amorphous and polycrystalline materials 9—100008
Pronko, P.P. *see* Appleton, B.R. 9—69127
Pronko, P.P. *see* Wang, J.C. 9—69148
Pronko, P.P. *see* White, C.W. 9—86805
Pronko, P.P. *see* Wilson, S.R. 9—73204
Pronko, V.G. *see* Kalinin, E.K. 9—65182
Pronyaev, V.G., Kotel'nikova, G.V., Lovchikova, G.N., Salnikov, O.A. Determination of absolute density of nuclear levels analysing the spectra of the (p, n) reactions 9—97657
Pronyakina, L.S. *see* Gurylev, V.V. 9—70239
Propp, M., Young, L. Adhesion, ductility, and fracture of anodic oxide films on tantalum 9—99460
Proriol, J. *see* Meritet, L. 9—93616
Proshin, A.A. *see* Alekhnovich, V.E. 9—97349
Proshkin, A.A., Bagdasarov, Yu.E., Likhachev, Yu.I., Zabud'ko, L.M., Buksha, Yu.K. Effects of emergencies on fuel-pin viability in fast power reactors 9—76090
Prosin, V.V. *see* Berezhko, I.A. 9—96870
Prosin, V.V. *see* Grigor'ev, V.M. 9—80169
Proskura, A.I. Stationary thermostimulated conductivity of the ceramic $Zn_{30}Cd_{70}S$ 9—87120
Proskurnina, N.G. *see* Prokunin, A.N. 9—86392
Proskurowski, W. *see* Concus, P. 9—50773
Proskuryakov, I.I. *see* Yevstigneyev, V.B. 9—53045
Prosnitz, D. *see* Powell, H.T. 9—68389
Prosperetti, A. Current topics in the dynamics of gas and vapor bubbles 9—98788
Prosperi, D. *see* Dattoli, G. 9—63382, 9—97596
Prosperi, D. *see* Pace, E. 9—71807
Prospero, J.M. Mineral and sea salt aerosol concentrations in various ocean regions 9—58039
Prosser, V. *see* Zvara, M. 9—99903
Prost, J. Smectic A to smectic A phase transition 9—69229
Prost, J. *see* Ricard, L. 9—86693
Prost, R., Rolfo, A. Cooling of an infra-red detector using a solid cryogen (on a spacecraft) 9—54122
Prostetsov, G.P. The calculation of non-atomic absorption in the atom absorption determination of mercury by the cold vapour method 9—52860
Prostetsov, G.P. *see* Muzykov, G.G. 9—52829
Prostnev, A.S. *see* Andreev, E.A. 9—86064
Prostov, I.A. *see* Polyakov, D.A. 9—87671
Proszynski, M. *see* Krolak, A. 9—62855
Protas, J. *see* Parmentier, M. 9—99125
Protasevich, M.E. *see* Korennaya, L.N. 9—94171
Protasevich, V.I. *see* Kukarov, G.V. 9—94189
Protasevich, V.I. *see* Mokhun', I.I. 9—94183
Protasov, E.A., Zaitsev-Zotov, S.V., Venevtsev, Yu.N., Bogatko, V.V. Superconductivity of the $BaPb_{1-x}Bi_xO_3$ oxide system 9—73623
Protasov, E.A. *see* Aleksandrov, A.S. 9—82636, 9—82637
Protasov, I.D. Coordination radii and numbers of simple cubic lattices 9—77535
Protasov, I.I. *see* Zaletin, V.M. 9—72203
Protasov, V.R. *see* Baron, V.D. 9—70730
Protasov, Yu.S. *see* Kamrukov, A.S. 9—55477, 9—55578
Protasov, Yu.S. *see* Kozlov, N.P. 9—93235
Protheroe, R.J., Strong, A.W., Wolfendale, A.W. Gamma-rays from the Cygnus region and the nature of CG 78+1 9—92895
Protheroe, R.J., Turver, K.E. Computer simulations of Cerenkov light from large cosmic-ray showers 9—66899
Protic, D. *see* Riepe, G. 9—97949
Protin, L. *see* Vautier, C. 9—87176
Protochristow, C. *see* Hagemann, U. 9—54382
Protopopescu, S. *see* Cosme, G. 9—58968
Protopopescu, V., Sjostrand, N.G. On the eigenvalues of the stationary and time-dependent Boltzmann equation in its integro-differential and integral forms 9—80549
Protopopescu, V. *see* Angelescu, N. 9—55438
Protsenko, A.N. *see* Legasev, V.A. 9—97886
Protsenko, E.D. *see* Ermachenko, V.M. 9—86160
Protsenko, E.D. *see* Gonchukov, S.A. 9—64249
Protsenko, E.D. *see* Gubin, M.A. 9—89934
Protsenko, E.D. *see* Kozin, G.I. 9—55114
Protsenko, M.A. *see* Gorodinskii, G.M. 9—71507
Protsenko, N.P. *see* Tatarenko, L.N. 9—78632
Protz, R., Maier, M. Temperature dependence of vibrational energy relaxation in liquid oxygen 9—77477
Proudfoot, E.A. *see* Jackson, C.N., Jr. 9—96255
Proudfoot, J. *see* Brandelik, R. 9—63491, 9—93441
Proudian, M.-C.P., Merchant, H.D. Sintering of bismuth powder 9—91604
Proukakis, C. Bone marrow electronic cell sizing and counting for biological dosimetry of the irradiated rat 9—100744
Proust, J.E., Ter-Minassian-Saraga, L. Liquid crystal thin films 9—99401
Proutiere, A. *see* Camail, M. 9—50162
Prouza, Z., Darickova, A., Kubeckova, J., Seda, J., Skubal, A., Galan, P., Hrabovcova, A., Nikodemova, D., Solnicka, H., Jansky, B., Osmera, B., Barta, K., Spurny, F., Turek, K., Singer, J., Trousil, J., Bubenik, J. Results of Czechoslovak comparison of the measurements on a ^{252}Cf neutron source 9—68113
Proverbio, E. *see* Mureddu, L. 9—100958
Providakes, G., Nation, J.A. Excitation of the slow cyclotron and space-charge waves in a relativistic electron beam 9—86118
Providakes, G. *see* Adler, R.J. 9—71990
Provo, J.L. Effects of vacuum processing erbium dideuteride/ditritide films deposited on chromium underlays on copper substrates 9—78891
Provornov, Yu.S., Sil'chuk, N.D. Study of drying effect on diffraction efficiency and density of holograms 9—59657
Prowse, D.R. Transportation of nuclear fuel 9—81013
Proykova, A. Electron scattering in thin foils 9—67745
Proykova, A. A Monte Carlo calculation of the angular distribution of muons in lead 9—78600
Prozorov, E.N., Starov, V.M., Churaev, N.V. Removal of a liquid from an open-cell body by fluidized porous particles. I 9—72942
Prozorov, E.N., Starov, V.M., Churaev, N.V. Kinetics of the elimination of a liquid from a porous body by porous particles. II 9—86510
Prozorov, V.K. *see* Bulkin, Yu.M. 9—97837
Prozorova, E.V. *see* Mareev, V.V. 9—81837
Prozorova, L.A. Spin waves in antiferromagnets 9—82772
Prozorovskii, V.D. *see* Bratashevskii, Yu.A. 9—90955
Pruce, L.M. Harnessing tomorrow's energy sources 9—100484
Pruchkin, V.A. *see* Serikov, M.I. 9—95973
Pruchnik, Z. On the existence of cadmium tetraarsenide and its phase relations in the cadmium-arsenic system 9—74138
Prucnal, P.R., Teich, M.C. Statistical properties of counting distributions for intensity-modulated sources 9—72541
Prudan, A.M., Ter-Martirosyan, L.T. Influence of amplitude of measuring microwave field on dielectric losses in polycrystalline strontium titanate films 9—99829
Pruden, B.B. *see* Khulbe, C.P. 9—52866
Prudenziati, M. *see* Morten, B. 9—80617
Prudhomme, J.C., Ngo, T.A., Coquart, B. Absorption spectrum of the $P^{18}O$ molecule: $^2\Sigma$ and $^2\Delta$-$X^2\Pi$ transitions. Perturbation effects on the intensity of lines in the $E^2\Delta$-$X^2\Pi$ transition 9—50084
Prud'homme, M. *see* Hoang Binh, D. 9—63959
Prudhomme, R. *see* Russell, T.P. 9—58803
Prudnikov, A.S., Chernyshev, K.V. Calculating matching systems for transducers 9—94445
Pruess, K. *see* Baltz, A.J. 9—97689
Prugovecki, E. Stochastic phase spaces and master Liouville spaces in statistical mechanics 9—85076
Prull, D.E. *see* Kluger-Bell, B.M. 9—59010
Prum, B. *see* Guyon, X. 9—71230
Prune, S. *see* Aleksandrov, E. 9—93166
Prunele, E.de *see* de Prunele, E.
Prunell, A., Kornberg, R.D., Lutter, E., Klug, A., Levitt, M., Crick, F.H.C. Periodicity of deoxyribonuclease I digestion of chromatin 9—79467
Prunier, C. *see* Linard, M. 9—74203
Pruppacher, H.R. *see* Wang, P.K. 9—53459
Prus, S. Blurred nature effect of sound sensation on the psychoacoustic decision process 9—74683
Prus, S. Partial relative sound evaluation arising from a given feature or subfeature of sound sensation 9—74684
Prusakov, A.G. *see* Sorokina, A.V. 9—97744
Pruss, P.Kh., Studenova, T.V., Anokhin, Yu.A. Dimensioning of AgBr monocrystals of highly-dispersive emulsions in terms of light scattering. II. Study of the specific intensity method 9—49327
Pruss, S. *see* Ecklund, S. 9—76187
Prussin, S. *see* Hubler, G.K. 9—82248
Prussin, S.G., Oliveira, Z.M., Kratz, K.-L. Does the simple statistical model describe delayed neutron emission? The cases of ^{85}As, ^{87}Br, ^{135}Sb and ^{137}I 9—67714
Prussin, S.G. *see* Kratz, K.-L. 9—93559
Prut, E.V. *see* Topolkaraev, V.A. 9—65139
Pruthi, D.D., Anand, M.S., Agarwala, R.P. Self- and impurity diffusion in zirconium-manganese alloys 9—60540
Prutton, M. *see* El Gomati, M.M. 9—85204
Prutton, M. *see* Place, J.D. 9—61474
Pruys, H. *see* Eder, G. 9—76042
Pruys, H.S. *see* Engfer, R. 9—85497
Pruzan, P. *see* Fuchs, A.H. 9—77777
Pryadko, L.F. *see* Samsonov, G.V. 9—73335
Pryakhin, E.A. *see* Kondrat'ev, Yu.M. 9—62632
Pryakhin, V.V. *see* Dobrovol'skii, V.I. 9—52499
Pryanichnikova, T.V., Vashchenko, A.A., Kokko, A.P. Effect of microstructure and heat treatment on the elastic limit of steel Kh15N9Yu 9—83251
Pryce, J.D. *see* Evans, M.W. 9—59525
Pryke, I. *see* Plevin, J. 9—70885
Pryor, R.J., Liles, D.R., Mahaffy, J.H. Treatment of water packing effects [in fission reactors] 9—89401
Pryor, T.A., Parker, D.L., Ridges, J.D. Comparison of regional wall motion parameters between angiographic and echocardiographic images 9—62392
Pryor, T.A. *see* Bardsley, B. 9—50552
Pryor, T.A. *see* Parker, D.L. 9—70592
Pryputniewicz, R.J. Holographic determination of rigid-body motions, and application of the method to orthodontics 9—72527

Prytherch, D.R., Smith, M.J.A. Oxygen-reduction flow probes 9—100777
Prytkov, S.I. *see* Gurari, M.L. 9—76796
Przanowski, M., Plebanski, J.F. Generalized Goldberg-Sachs theorems in complex and real space-times. I. Algebraic classifications of the conformal tensor and the energy-momentum tensor on complex and real space-times 9—71300
Przanowski, M., Plebanski, J.F. Generalized Goldberg-Sachs theorems in complex and real space-times. II 9—80475
Przhibel'skii, S.G. *see* Bonch-Bruevich, A.M. 9—85935
Przhibelskii, S.G. *see* Vartanyan, T.A. 9—64095
Przhonskaya, O.V., Il'chishin, I.P., Tikhonov, E.A., Slominskii, Yu.L. Laser action and photoisomeric transformations in polymethine dyes 9—89905
Przhonskaya, O.V., Slominskii, Yu.L., Tikhonov, E.A. Photoisomeric transformations of excited molecules of polymethine dyes 9—87854
Przybylski, M., Graja, A., Rajchel, A., Gawron, M., Borowiak, T. Conductivity and structural studies of complex TCNQ salts with pyridinium cations 9—87087
Przybylski, M. *see* Dymaczewski, H. 9—55124
Przystawa, J. *see* Mrozinska, A. 9—61132
Psaltis, D., Casasent, D. Space-varient ambiguity function processor 9—76602
Psaltis, D., Casasent, D., Sexton, A. Optical signal processing of non-linear coded waveforms 9—72517
Psaltis, D. *see* Casasent, D. 9—76619
Psarev, V.I., Kirii, V.G. Phase interactions and phase diagram of the system Zn-Sb 9—87607
Psarev, V.I., Kostur, T.A. Phase diagram and structure of melts of the system Cd-Sb 9—52155
Pscheid, P. *see* Muller, W. 9—74810
Pshakin, T.M. *see* Alekhin, L.A. 9—97898
Pshenichnikov, S.M. *see* Andreeva, N.P. 9—94297
Pshenichnikov, V.V., Skobelev, O.P., Soifer, V.A. Automatic experimental evaluation of primary pressure transducer characteristics 9—80589
Pshenichnyi, I.V. *see* Funke, V.F. 9—66097, 9—69267
Pshezhetskii, S.Ya. *see* Bashkin, A.S. 9—89903
Pshezhetskii, S.Ya. *see* Chebotarev, N.F. 9—94225
Pshezhetskii, S.Ya. *see* Kolchin, Yu.A. 9—89900
Pshezhetskii, S.Ya. *see* Kozlov, Yu.I. 9—89901
Psilovikos, A. *see* Papazachos, B. 9—84166
Psimopoulos, M. Conservation equation in phase space for a guiding-centre plasma in a constant magnetic field 9—98880
Pskovskii, Yu.P. The light curves of five galactic supernovae 9—58368
Pskovskii, Yu.P. Possible outburst of V471 Tauri in 396 A.D 9—101162
Pstrokonski, M., Chomka, W. Measurements of low temperature internal friction in Ag-Mg 9—96077
Ptacek, L. On secondary recrystallization of aluminium and FeNi36 alloy 9—70080
Ptacek, V. The long-term stability of time comparisons using the TV method 9—75502
Ptitsina, N.G. *see* Gershenzon, E.M. 9—51532
Ptitsyna, L.D. *see* Travin, V.V. 9—50458
Ptuskin, V.S. Cosmic rays in large-scale strongly turbulent magnetic field 9—58203
Pu Chao-tun *see* Tai Chang-ta 9—53551
Pu Da-chun *see* Han Kai 9—64269
Pu Fu-cho *see* Wang Ding-sheng 9—91219
Pu Qing-yu *see* Duan Wan-ti 9—92538
Pu Qing-yu *see* Sun Dian-qing 9—79885
Pu Shao-kang *see* Zhou Yong-xin 9—74173
Pu-An Cao *see* Cao Pu-An
Pu-he Tsung *see* Tsung Pu-he
Pucci, R. *see* Baldo, M. 9—63901
Puchalska, I.B. Influence of planar anisotropy on the domain structure in amorphous and garnet magnetic films 9—78472
Puchalska, I.B. *see* Jones, G.A. 9—51809
Pucherov, N.N., Chesnokova, T.D. Stopping of 3-7 MeV α-particles in Ti, Fe, Ni and Cu 9—51181
Puchinskas, A.A., Frantsuzovich, Z.V., Kal'venas, S.P. Negative absolute conductance of n-type Si 9—69518
Puchinskas, A.A. *see* Safonova, L.S. 9—51641
Puchinyan, S.N., Tsirul'nikov, L.M., Zeger, K.E. An investigation into the dependence of NO_x formation on the fouling by ash of convective heating surfaces of gas/oil fired boilers 9—83678
Puchkelevich, N.A. *see* Marants, A.G. 9—82397
Puchkov, A.A. Solution of the unsteady heat-conduction equation in an inhomogeneous medium 9—94457
Puchkov, A.A. *see* Nazarov, G.I. 9—77124
Puchkov, A.S. *see* Sutugin, A.G. 9—64721
Puchkov, V.S. *see* Baiburina, S.G. 9—80156, 9—80170
Puchkov, Ye.O. *see* Chetverikov, A.G. 9—53031
Puchkovskaja, G.A. *see* Basia, D.F. 9—51965
Puchkovskaya, G.A. *see* Babkov, L.M. 9—91450
Puchkovskaya, G.A. *see* Yurolkov, Yu.A. 9—73566
Puchta, H., Dunnweber, W., Hering, W., Lauterbach, C., Trautmann, W. Anisotropy of yrast gamma transitions from ^{16}O on ^{48}Ti: angular momentum dissipation and alignment in deep-inelastic reactions 9—93650
Pucillo, M., Santin, P. The software for controlling the photoelectric photometry system at Trieste Astronomical Observatory 9—58258
Pucillo, M., Santin, P. Spectral analysis in real time with the photoelectric photometry system of Trieste Astronomical Observatory 9—62756
Pucillo, M., Santin, P., Sedmak, G. Program for the development of an acquisition system for photoelectric type images at Trieste Astronomical Observatory 9—58256
Pucillo, M., Santin, P., Sedmak, G. Acquisition and processing in real time of nonstationary data with the photoelectric photometry system of Trieste Astronomical Observatory 9—62757
Pucillo, M. *see* Crivellari, L. 9—58267
Pucillo, M. *see* Pasian, F. 9—58270
Pucillo, M. *see* Rodono', M. 9—62751, 9—80317
Pucker, N. *see* Peltzer, P. 9—59107, 9—80967
Pudalov, V.M., Semenchinskii, S.G. Low-temperature magnetometer for the measurement of the magnetic moment of metallic whisker single crystals 9—88986
Pudalov, V.M., Semenchinsky, S.G. Magnetometer for studying the magnetic properties of whiskers 9—63284
Pudan, L.Ya., Yakimenko, A.I., Popov, L.E. Resistance to the motion of superdislocations due to atoms in incorrect positions 9—99189
Puddu, G. *see* Aslanides, E. 9—85481
Puder, J., Riedel, W. Linear guide way and drive for a Fourier-transform-IR-spectrometer 9—63313
Puder, K. *see* Haase, R. 9—60515
Pudkov, S.D. *see* Bonch-Bruevich, A.M. 9—65884
Pudonin, F.A., Seleznev, V.N., Tokarchuk, D.N. Properties of silicon dioxide dielectric layers produced by high-frequency plasma sputtering 9—56931
Pudov, M.B. *see* Buchin, V.A. 9—64783
Pudovkin, M.I. *see* Grafe, A. 9—62677
Pudovkin, M.I. *see* Zhulin, I.A. 9—66738
Pudzianowski, A.T., Schwartz, R.N. Radiation chemistry of glassy alkaline ice systems from a structural viewpoint 9—91976
Puech, C. *see* Schnapper, A. 9—76883
Puerta, J., Herrmann, W., Bourauel, G., Urban, W. Extended spectral distribution of lasing transitions in a liquid-nitrogen cooled CO-laser 9—89894
Puerta, M. *see* Seung-Am Cho 9—61552
Pueschel, R.F., Schnell, R.C., Weickmann, H.K., Wellman, D.L. Aerosol and ice nuclei measurements in the plume of the Homer City, PA, power plant 9—74570
Pueschel, R.F. *see* Mamane, Y. 9—62160
Puetter, R.C. *see* Gosnell, T.R. 9—71150
Puetter, R.C. *see* Soifer, B.T. 9—101181
Puga, G.D. *see* Khiminets, O.V. 9—65857
Puga, G.D. *see* Puga, P.P. 9—51964
Puga, M.W. *see* Fowler, M. 9—82738
Puga, P.P., Slivka, V.Yu., Gerasimenko, V.S., Puga, G.D., Khiminets, V.V. The Raman effect and longwave IR spectra of $(AsSI)_x(GeS_2)_{1-x}$ glasses 9—51964
Puga, P.P. *see* Khiminets, O.V. 9—65857
Pugachev, A.T., Bratsykhin, V.M. Heat conductivity of thin polycrystalline aluminium films 9—82689
Pugachev, G.S. *see* Volovets, L.D. 9—70171, 9—70172
Pugachev, V. Analysis of flux density curves for ferromagnet transversely magnetised by variable magnetic field 9—69696
Pugacheva, G.I. *see* Basilova, R.N. 9—53621, 9—88522
Pugacheva, G.I. *see* Gusev, A.A. 9—66896
Pugacheva, T.S. *see* Abdullayev, B. 9—91544
Pugatschew, A.A. *see* Phillips, M.G.R. 9—98978
Puget, J.L. *see* Serra, G. 9—88742
Pugh, D. *see* Jones, D.A. 9—73086
Pugh, E.M. Comment on 'Electromotive force, potential difference, and voltage' 9—58478
Pugh, E.N. *see* Eliezer, D. 9—100291
Pugh, E.N., Jr., Mollon, J.D. A theory of the Π_1 and Π_3 color mechanisms of Stiles 9—62259
Pugh, E.N., Jr. *see* Liebman, P.A. 9—79527
Pugh, E.W. *see* McCaffrey, P.M. 9—82841
Pugh, J.R. *see* Drever, R.W.P. 9—93033
Pugin, P. *see* Billan, J. 9—72049
Pugin, V.S., Bussel', O.D., Kornienko, P.A., Pavlenko, N.P., Pioro, N.Ch. Effect of diffusion chromizing on the porous structure of an iron-base material 9—66219
Pugina, L.I., Gorb, M.L., Ageeva, V.S., Golovnina, I.P. Elastic moduli of sintered iron-base antifriction materials 9—96070
Pugliese, A. *see* Buccella, F. 9—67599
Pugliese, A. *see* Falcioni, M. 9—75787
Pugsley, A.G. On the crumpling of thin tubular struts 9—64544
Puhl, W. *see* Gerhardt, P. 9—83921
Puhringer, K.D., Rosenkranz, H. The control of a neutron spectrometer by means of microprocessors 9—49363
Pui, D.Y.H. *see* Liu, B.Y.H. 9—66372
Pui, N.K., Gartshore, I.S. Measurements of the growth rate and structure in plane turbulent mixing layers 9—50716
Puigh, R.J., Dyer, P., Vandenbosch, R., Thomas, T.D., Nunnelley, L., Zisman, M.S. Magnitude and alignment of transferred angular momentum in both quasi and deeply inelastic scattering 9—93675
Puigh, R.J. *see* Dyer, P. 9—67786
Puit, J.C. *see* Lecorche, P.R. 9—63770
Puite, K.J. *see* Broerse, J.J. 9—62361
Pujol, L., Marinelli, F., Gleize, A. Variable screening method for the H_2 molecule 9—93932
Pujol, L. *see* Francois, A. 9—89598
Pukas, E.Yu. *see* Gribauskas, P.S. 9—88931
Pukhov, A.E. *see* Chaichian, M. 9—97261
Pukhov, A.M. *see* Volkova, G.A. 9—93236
Pukl, J. *see* Novak, B. 9—87989
Puko, R.A. *see* Mit'kina, N.N. 9—87487
Pulatova, M.K., Rikhireva, G.T., Turganov, M.M., Burlakova, Ye.B., Pal'mina, N.P. Analysis of the EPR spectra of irradiated samples of liver and a hepatoma 9—92289
Pulatova, M.K. *see* Kuropteva, Z.V. 9—79469
Pulatova, M.K. *see* Rikhireva, G.T. 9—53193
Pulay, P. An efficient ab initio gradient program 9—89606
Pule, J.V., Verbeure, A. The classical limit of quantum dissipative generators 9—58572
Pulford, C.T.R. *see* Gent, A.N. 9—66173
Pulfrey, D.L. *see* Drobny, V.F. 9—95534
Pulfrey, D.L. *see* Tarr, N.G. 9—51676
Pulham, R.J. *see* Down, M.G. 9—74077
Pulker, H.K. Characterization of optical thin films 9—76772
Pulker, H.K. Stress measurements and calculations for vacuum-deposited MgF_2 films 9—87027
Pulker, H.K., Maser, J. The origin of mechanical stress in vacuum-deposited MgF_2 and ZnS films 9—90925
Pulkin, S.A. *see* Osherovich, A.L. 9—98042
Pullen, D., Hayward, P. Gamma radiography of welds in small diameter steel pipes using enriched ytterbium-169 sources 9—83399
Pullen, R. *see* Edmonds, A.R. 9—89639
Pullia, A. *see* Armenise, N. 9—67533, 9—67536, 9—93397, 9—93398
Pullin, D.I., Davis, J., Harvey, J.K. Monte Carlo calculations of the rarefied transition flow past a bluff faced cylinder 9—94670
Pullman, A. *see* Goldblum, A. 9—63931
Pullman, B., Miertus, S., Perahia, D. Hydration scheme of the purine and pyrimidine bases and base-pairs of the nucleic acids 9—92127
Pulmannov'a, S. Joint distributions of observables on quantum logics 9—71270
Puls, J., Voigt, J. Excitation spectroscopy of the I_2 bound exciton and the excitonic molecule in CdS. I. Excited states of the I_2 bound exciton 9—91492
Pulsipher, D., Boll, S.F., Rushforth, C., Timothy, L. Reduction of nonstationary acoustic noise in speech using LMS adaptive noise cancelling 9—64414
Pulvirenti, M. *see* Marchioro, C. 9—54065
Puma, M. *see* Laredo, E. 9—69769
Pumpernik, D., Mendas, I., Borstnik, B., Azman, A. Molecular dynamics study of a two-dimensional model of squaric acid 9—90735
Pumphrey, P.H., Goodhew, P.J. Reply to 'Comments on "The core structures of misfit dislocations in grain boundaries"' 9—90674
Pumplin, J. Transverse quark polarization in large P_T reactions and e^+e^- jets 9—63410
Pun, T., de Coulon, F. Processing and tactile stimulation of images for visual prosthesis 9—100788
Pun, T.P. *see* Martin, J.F. 9—89167
Pun, T.P. *see* Piccolo, M. 9—93439
Pun, T.P. *see* Rapidis, P.A. 9—75780
Punetha, L.M. *see* Joshi, G.C. 9—75187
Pungor, E. *see* Kantor, T. 9—100477
Puntambekar, P.N. *see* Dandwate, V.D. 9—68380
Punyanitya, C. *see* Ebner, C. 9—55641
Puppe, D. Fixed points of continuous transformations. Mathematical theory and applications 9—84943
Puppel, D., Grellner, W., Wunschmann, M. Combination etching process for grain size measurement of Al_2O_3-TiC sinter products 9—74331
Pupyrev, V.A. Relative effectiveness of variational principles in the scheme of the Ritz method 9—68616
Pupyshev, I.D., Tynyanov, A.V. Apparatus for checking low-speed thermoanemometers 9—77311
Purans, J.J. *see* Kliava, J.G. 9—95635
Purcaru, G. The Vrancea, Romania, earthquake of March 4, 1977—a quite successful prediction 9—62452
Purcell, E.M. Suprathermal rotation of interstellar grains 9—92823
Purcell, G.H. *see* Wilkinson, P.N. 9—101209
Purcell, J. *see* Alcorn, J. 9—49835
Purcell, J.R. *see* Harder, C.R. 9—71968
Purcell, K.F., Zapata, J.P. A spin anomaly and second order substituent effect for localized spin orbitals 9—68191

Purdon, J.G. *see* Willis, C. 9—76663
Purdy, D. Vibration measurement—an introduction to piezoceramic accelerometers and associated instrumentation. I 9—50686
Purdy, G.R. *see* Perovic, V. 9—60509
Purdy, J. *see* Perez, C.A. 9—100745
Purdy, J.A. The application of high energy X-ray and electron beams in radiotherapy 9—53227
Purdy, J.A. Patient specific data acquisition electron beam treatment planning 9—100731
Purdy, J.A. *see* Choi, M.C. 9—62350
Pureswaran, K.S.Shankar *see* Shankar Pureswaran, K.S.
Puretzky, A.A. *see* Ambartzumian, R.V. 9—54926
Pureur, P. *see* Kunzler, J.V. 9—91020
Purgathofer, A. *see* Weinberger, R. 9—67086
Purgin, V.T. *see* Vasil'chenko, V.G. 9—97942
Puri, G.G., Sankala, V.K., Bhavsar, V.C., Jain, R.C. A reflector concentrator modified Sterling engine unit and as aqua-ammonia absorber gas turbine unit for farm power needs 9—62024
Puri, J.S. *see* Mohan, D. 9—62140
Puri, K. *see* McAvaney, B.J. 9—53447
Puri, R.R., Lawande, S.V. Exact steady-state density operator for a collective atomic system in an external field 9—76391
Puri, S. Lower-hybrid wave absorption in the presence of simultaneous density and magnetic field gradients 9—94790
Puri, T. *see* Paul, R.C. 9—57239
Puri, V.M. An hourly stochastic insolation model for Kuwait 9—58068
Puri, V.M. Transmittance of diffuse solar radiation through a series of parallel regions 9—88005
Puri, V.M. *see* Malik, M.A.S. 9—57371, 9—62130
Purica, I.I. Ultracold neutrons and supergravitation 9—85047
Purich, D.L. *see* Shindell, D.M. 9—48992
Puritis, T.Ya. *see* Balodis, Ya.K. 9—56722, 9—91131
Puritis, T.Ya. *see* Pentyush, E.V. 9—56723
Purkait, N.N. *see* Dutta, S.K. 9—101003
Purkait, P.K. *see* Hazra, L.N. 9—98298
Purohit, G.N., Goyal, M.C. Unsteady heat transfer for flow over a flat plate with suction 9—77105
Purohit, R.K. *see* Dubey, G.C. 9—51703
Purohit, S.C. Real gas effects in a pulased laser propulsion system 9—60089
Purol, H., Cendlak, J., Dobryszycki, J. Effect of cathode composition of LR9 batteries on their quality 9—52920
Purol, H., Dobryszycki, J., Cendlak, J. Effect of discharge resistance of alkaline batteries on their electric properties 9—57420
Purrott, R.J. *see* Edwards, A.A. 9—100675
Purser, K.H., Litherland, A.E., Gove, H.E. Ultra-sensitive particle identification systems based upon electrostatic accelerators 9—72182
Purser, K.H., Litherland, A.E., Rucklidge, J.C. Secondary ion mass spectrometry at close to single-atom concentration using DC accelerators 9—92042
Purser, K.H. *see* Gove, H.E. 9—52806
Pursley, W.C. *see* Mattingly, G.E. 9—68892
Purton, C.R. *see* Davis, L.E. 9—71035
Purton, C.R. *see* Feldman, P.A. 9—67025
Purucker, M.E. *see* Elston, D.P. 9—79820
Purushothaman, R. Fluctuating boundary layer in a rotating fluid with variable suction 9—50718
Purushothaman, S. *see* Roth, L. 9—99265
Purvis, G.D., III, Bartlett, R.J. The potential energy curve for the $X^1\Sigma_g^+$ state of Mg_2 calculated with coupled pair many electron theory 9—89621
Purvis, G.D., III *see* Bartlett, R.J. 9—85921
Purwins, H.-G. *see* Roth, S. 9—78500
Pusch, R. Highly compacted sodium bentonite for isolating rock-deposited radioactive waste products 9—81029
Pusch, W. *see* Demisch, H.-U. 9—57293
Puschcharovskii, D.Yu., Dorokhova, G.I., Pobedimskaya, E.A., Belov, N.V. Potassium-neodymium silicate $KNd_9(SiO_4)_6O_2$ with apatite structure 9—90624
Puschell, J.J. Optical and infrared photometry of Arakelian 120 9—58423
Pusep, Yu.A. *see* Bagatyrev, V.A. 9—73573
Pusey, P.N. Number fluctuations of interacting particles 9—96371
Pusey, P.N. *see* Parry, G. 9—80023
Pushcharovskii, D.Yu., Belov, N.V. Polymorphism of infinite Si_2O_7 radicals in layered stacks 9—60301
Pushcharovskii, D.Yu., Karpov, O.G., Leonyuk, N.I., Belov, N.V. Crystal structure of nonstoichiometric Nd, Al-dimetaborate $NdAl_{2.07}[B_4O_{10}]O_{0.6}$ 9—77582
Pushenko, E.I. *see* Shevchuk, S.S. 9—83215
Pushkar', E.A. Oblique magnetohydrodynamic shock waves 9—77263
Pushkar, V.N. *see* Mitsek, A.I. 9—69705
Pushkarev, V.N. *see* Al'perovich, L.I. 9—65818
Pushkarev, V.V. *see* Chernyshov, A.A. 9—99285
Pushkarov, D.I. *see* Pushkarov, Kh.I. 9—78357
Pushkarov, Kh.I., Pushkarov, D.I. Solitary bound state of magnons and lattice deformation in an anharmonic one-dimensional ferromagnet 9—78357
Pushkarskii, V.I. *see* Lobastov, Yu.P. 9—51819
Pushkin, S.V. *see* Isayev, G.V. 9—85048
Pushkina, N.I., Zaitsev, R.O. On the interaction of the first and second sounds in solids 9—86841
Pushkova, G.N., Yudovich, L.A. Ionospheric effects of magnetospheric substorms at night 9—62656
Puskas, L. *see* Hoffmann, G. 9—51139
Pust, D. *see* Buck, U. 9—54799
Pustejovsky, M.A. Fatigue crack propagation in titanium under general in-plane loading. I. Experiments 9—52337
Pustejovsky, M.A. Fatigue crack propagation in titanium under general in-plane loading. II. Analysis 9—52338
Pustel'nikov, O.C., Stauskaite, R.A. Suspended drifts in transit section of shore of south-east Baltic Sea. II. Granulometric and mineral composition of silts under conditions of smooth seas and stormy seas 9—96755
Pustogarov, A.V., Mel'nikov, G.N., Glagolev, V.V., Sokolov, V.A. Permeability of deformed porous metals 9—100229
Pustogarov, A.V. *see* Kurochkin, Yu.V. 9—86629
Pustovalov, V.V., Silin, V.P., Chernikov, A.A. Time-dependent theory of parametric plasma instabilities 9—60138
Pustovalov, V.V. *see* Aleksandrov, V.V. 9—86641
Pustovalov, V.V. *see* Glotov, E.P. 9—59668
Pustovalov, V.V. *see* Parkhomenko, T.A. 9—57119
Pustovar, Yu.K. *see* Khashchina, M.V. 9—88908
Pustovoit, V.N. Peculiarities in structure of α-martensite when quenched in constant magnetic field 9—52204
Pustovoit, V.N., Dombrovskii, Yu.M., Chernikov, Yu.F., Grishin, S.A. Martensite transformation kinetics in steel when in a constant magnetic field by using type IMASh-5S-65 equipment 9—87630
Pustovoit, Yu.M. *see* Livshitz, A.I. 9—71469
Pustylnik, B.I. *see* Orlova, O.A. 9—97740
Pustylnik, Zh.P. *see* Alizade, V.V. 9—80845
Put, L.W. Energy dependence of the phenomenological α—^{90}Zr optical potential 9—97717
Put, L.W. *see* Saha, A. 9—49584
Put, L.W. *see* Takigawa, N. 9—76007
Puterman, M. *see* Narkis, M. 9—99082
Puterman, M. *see* Siegmann, A. 9—65007
Putila, P., Juslen, H., Pessa, M., Graeffe, G. High-resolution Lα spectra of indium and tin 9—85934
Putilin, S.I. *see* Popov, V.V. 9—88804
Putilov, Yu.M. *see* Berdyanskii, E.N.A. 9—71404
Putilovskii, M.Yu. *see* Gvozdev, M.I. 9—75105
Putiltz, G.zu *see* zu Putiltz, G.
Putland, F. *see* Chart, T. 9—91617
Putlitz, G.zu *see* zu Putlitz, G.
Putnam, B.F. *see* Prohofsky, E.W. 9—62180
Putnis, A. The mechanism of exsolution of hematite from iron-bearing rutile 9—61597
Putnis, A., Price, G.D. High-pressure (Mg, Fe)$_2SiO_4$ phases in the Tenham chondritic meteorite 9—80284
Putot, C. *see* Duong Bui, H. 9—55338
Puttaswamy, N.G. *see* Ramaswamy, C.R. 9—54391, 9—75951
Putte, P.van der *see* van der Putte, P.
Putten, N.Van Der *see* Van Der Putten, N.
Putter, B., Gyarmati, E., Nickel, H. The relationship between the fluidization states of model beds and high-temperature-coating beds. A study of fluidized bed coating of nuclear fuel kernels 9—71941
Putterman, S. *see* Garrett, S. 9—55974
Putterman, S. *see* Williams, G.A. 9—86958
Putterman, S.J. *see* Williams, G.A. 9—51331
Puttick, K.E. *see* Badrick, A.S.T. 9—60609
Puttock, J.S. Turbulent diffusion from sources near obstacles with separated wakes. II. Concentration measurements near a circular cylinder in uniform flow 9—81866
Puttock, J.S., Hunt, J.C.R. Turbulent diffusion from sources near obstacles with separated wakes. I. An eddy diffusivity model 9—81865
Putyatin, B.V. *see* Korobeinikov, V.P. 9—64796
Putyatin, V.D. *see* Obukhova, N.F. 9—86836
Putyatina, N.M. *see* Ostrovskaya, M.A. 9—72665
Putzer, A. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Putzig, C.L. *see* Loy, B.R. 9—74460
Puumalainen, P., Sikanen, P., Olkkonen, H. Measurement of stable iodine content of tissue by coherently and Compton scattered photons 9—88220
Puzach, V.G. *see* Yermolayev, I.K. 9—98773
Puzanov, A.A. *see* Ved'manov, G.D. 9—97959
Puzanova, T.Z. *see* Shur, Ya.S. 9—87286
Puzei, I.M. *see* Pokatilov, V.S. 9—95651
Puzhaev, S.B. *see* Ageev, V.P. 9—91540
Pyadyshev, V.G., Lyutenko, V.F., Tarasov, N.I. Methods of increasing the accuracy of electron temperature measurements in the ionosphere by the high-frequency probe method 9—92632
P'yanko, T.A. *see* Safronov, Yu.P. 9—75118
P'yankov, V.V. *see* Fedotov, A.P. 9—67994
P'yanykh, N.L. *see* Nechaev, Yu.R. 9—83357
Pyatak, A.I. Non-linear evolution of monochromatic waves in systems with non-uniform particle velocity distribution 9—55486
Pyatetskii, I.V. Experimental studies of surface velocities in the zone of action of a water-air barrier 9—88009
Pyatigorskii, G.A. *see* Belyaevskii, A.I. 9—84597
Pyatnitskii, L.N., Vokhmin, P.A., Klimovskii, I.I., Margolin, L.Ya. Potential applications of self-terminating-transition lasers in plasma diagnostics by light scattering 9—64923
Pyatnitskii, L.N. *see* Batenin, V.M. 9—98975
Pyatnitsyna, V.M. *see* Guryanov, V.M. 9—84534
Pyatosin, V.E., Sevchenko, A.N., Tsvirko, M.P. Deactivation of electronic excitation in complexes of 1,2-naphthalocyanine and rare-earth ions 9—85988
Pyatov, V.N., Shishkin, A.A. Modification of Pfirsch-Schluter particle diffusion by resonant magnetic perturbation 9—64830
Pyatovskaya, N.N. *see* Brumberg, I.E. 9—57818
Pyatunin, G.A., Bida, G.V. Consideration of the influence of rolled sheet thickness in the magnetic inspection of mechanical properties 9—91894
Pyatunin, G.A., Slavov, V.I. Nature of the relationship between the mechanical and magnetic properties of carbon steel 9—96274
Pye, J.P., Warwick, R.S. X-ray source counts at high galactic latitude from measurements of fluctuations in the X-ray background 9—67119
Pykacz, H. Notes on the first-order ferroelectric phase transitions in an electric field 9—65806
Pykacz, H. Investigation of a phase transition in $NaH_3(SeO_3)_2$ by measurement of the pyroelectric current 9—82934
Pykacz, H. Electric properties of crystalline lithium formate monohydrate 9—87371
Pykett, I.L. *see* Mansfield, P. 9—93190
Pykett, I.L. *see* Morris, P.G. 9—66502
Pykhov, N.V. *see* Antsyfrov, S.M. 9—53552
Pyle, G.J. *see* Batty, C.J. 9—76535, 9—98253
Pyle, G.J. *see* Davies, J.D. 9—55008, 9—86088
Pyle, J.A. *see* Haigh, J.D. 9—62564
Pyle, R.V. *see* Ruby, L. 9—76017
Pylova, M.B. *see* Kvlividze, V.I. 9—56617
Pyne, J.R. Production and processing of powdered rubber. II. Powder preblend mixes 9—52149
Pyner, G.R., Matthews, F.L. Comparison of single and multi-hole bolted joints in glass fibre reinforced plastic 9—91739
Pyn'ko, V.G. *see* Vershinina, L.I. 9—64962
Pynn, R. *see* Chernyshov, A.A. 9—99285
Pynn, R. *see* Guenin, G. 9—77696
Pynsent, P.B. *see* Duncan, G. 9—79541
Pyper, D.M. *see* Adelman, S.J. 9—88659
Pyper, N.C. *see* Clugston, M.J. 9—76478
Pyrlik, J. *see* Brandelik, R. 9—63491, 9—93441
Pytel, S., Rudnik, S. Nucleation and increase of discontinuities in the environment of non-metallic inclusions during plastic strain of low-carbon steel 9—79022
Pyt'eva, N.F., Chamorovskii, S.K., Rubin, A.B. Relationship of cyclic and non-cyclic electron transport in the chromatophores of Rhodospirillum rubrum. I. Experimental study of the kinetic characteristics of dark reduction of P870 at different concentrations of donor in the medium 9—53067
Pytte, E., Rudnick, J. Scaling, equation of state, and the instability of the spin-glass phase 9—73753
Pyun, J.J., Williams, K.A. TRAC-P1 post-test analysis of US standard problem 7 9—89433
Pyung Choo Park *see* Young H. Park 9—87842
Pywell, R.E., Thompson, M.N., Hicks, R.A. A measurement of the ^{50}Ti(γ,n) and ^{50}Ti(γ,n$_0$) cross sections 9—89286
Pyykko, P. *see* Jansen, H.B. 9—50045
Pyykko, P. *see* Lohr, L.L., Jr. 9—49924
Pyzalski, R. The Heitler and Ma approach to resonance fluorescence of N two-level atoms in a weak electromagnetic field 9—93950
Pyzuk, W., Majgier-Baranowska, H. Kerr effect near the critical point of a binary mixture 9—61336

Qadir, A., Sayed, W.A. Hawking radiation and strong gravity black holes 9—67213
Qaim, S.M., Weinreich, R., Ollig, H. Production of ^{201}Tl and ^{203}Pb via proton induced nuclear reactions on natural thallium 9—88184
Qaim, S.M. *see* Sahakundu, S.M. 9—76236
Qamar, A. *see* St. Lawrence, W. 9—100816
Qayum, A. *see* Ramanamurti, M.V. 9—83469
Qi Cui-Zhong On the separation theory of local geomagnetic field 9—88237
Qi Zhang *see* Zhang Qi
Qi-Bin Li *see* Li Qi-Bin
Qi-fen Ling *see* Ling Qi-fen
Qi-jin Lin *see* Lin Qi-jin
Qi-liang Wang *see* Wang Qi-liang

Qi-Ren Zhang *see* Zhang Qi-Ren
Qi-xing Shen *see* Shen Qi-xing
Qi-yu Chen *see* Chen Qi-yu
Qian Fang *see* Duan Wan-ti 9—92538
Qian Fu-Ye *see* Zhao Yu-lin 9—88235
Qian Min-ping The decomposition into a detailed balance part and a circulative part of an irreversible stationary Markov chain 9—88876
Qian Ning, Wan Zhao-wei, Qian Yi-ying The flow with heavy sediment concentrations of the Yellow River 9—79886
Qian Shang-Wu A theory of gravitation by considering the vector graviton field and the metric field 9—71324
Qian Shou-shi The effect of temperature on a CG-2 type gravimeter 9—88476
Qian Yi-ying *see* Qian Ning 9—79886
Qian-Chu Liao *see* Liao Qian-Chu
Qian-ti Chen *see* Chen Qian-ti
Qiang Zhong *see* Zhong Qiang
Qiao-lin Luo *see* Luo Qiao-lin
Qiao-yuan Lin *see* Lin Qiao-yuan
Qifeng Yin *see* Yin Qifeng
Qin Rong-xian Advances in gravitational wave observation 9—97292
Qin Wei *see* Wei Qin
Qin Yu-wen Holographic photoelasticity 9—81828
Qin Yuan-Xun, Liu Zeng-Quan, Hu Wen-Rui Nonlinear growth of galactic density waves 9—97085
Qin-min Fan *see* Fan Qin-min
Qin-Yue, Q. *see* Li-Zhi, F. 9—71063
Qing-yang Li *see* Li Qing-yang
Qing-ying Zhang *see* Zhang Qing-ying
Qing-yu Pu *see* Pu Qing-yu
Qing-zhu Huang *see* Huang Qing-zhu
Qingcun Zeng *see* Zeng Qingcun
Qiongrui Zhu *see* Zhu Qiongrui
Qiu Chun-hang On the calculation of shallow spherical shells 9—68583
Qiu Chun-hang *see* Zhong Wan-xie 9—72804
Qiu Ming-xin Excitation processes of gas laser and investigation of new lasers 9—81406
Qiu-He Peng *see* Peng Qiu-He
Qnuma, N. *see* Hashimoto, A. 9—58279
Qu Chao-chun The distribution of the electric potential of the point source for heterogeneous media in an angular region 9—68342
Quabilit, E.R., Karasulu, M. Methods for solving the stochastic point reactor kinetic equations 9—63719
Quack, H. Cryogenic refrigerators for fusion research 9—49840
Quack, H. Use of warm ejectors in helium refrigerators 9—58725
Quack, H. An incubation leading to promising fruits. [Nuclear fusion] 9—93677
Quack, M. Quantitative comparison between detailed (state selected) relative rate data and averaged (thermal) absolute rate data for complex forming reactions 9—74369
Quack, M. Nonlinear intensity dependence of the rate coefficient in unimolecular reactions induced by monochromatic infrared radiation 9—87857
Quade, C.R. Development of canonical transformations from Hamilton's principle 9—71185
Quade, R.N., Meyer, L. High-temperature nuclear heat source for hydrogen production 9—93686
Quade, U., Rudolph, K., Siegert, G. A high resolution ionisation chamber tested with fission products of ^{235}U 9—93872
Quadrelli, P. *see* Dressler, K. 9—59431
Quaglai, M. *see* Apel', V.D. 9—89194
Quaglia, L. *see* Fiore, G.D. 9—76252
Quaglia, M. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Quah, C.G.M. Internal energy relaxation rates from seeded supersonic beams with a monatomic host gas 9—59532
Qualey, J.R., III *see* Wiggins, T.A. 9—59801
Quan, B., Becker, M., Harris, D.R. Cost sensitivity analysis for mixed-oxide fuel cycles 9—89369
Quan Dang Tran *see* Dang Tran Quan
Quan-Kang Lu *see* Lu Quan-Kang
Quanbury, A.O. *see* Foley, C.D. 9—70561
Quang Doan Nhat *see* Doan Nhat Quang
Quang Kini, V. *see* Gabrielli, C. 9—83466
Quapp, W.J. *see* Appelhans, T.D. 9—54536
Quapp, W.J. *see* Croucher, D.W. 9—49745
Quapp, W.J. *see* Mehner, A.S. 9—49744
Quarati, P., Pompei, A., Guidetti, M. Study of a closed shell plus one particle using polarized μ-atoms 9—86087
Quarati, P. *see* Delasanto, P.P. 9—63638
Quarini, G.L. *see* Leslie, D.C. 9—50710
Quarrie, D.R. *see* Brandelik, R. 9—63491, 9—93441
Quartapelle, L. *see* Gatti, E. 9—63868
Quartieri, J., Mastrocinque, G. Calculations on small-signal gain profiles in a CW high-power electron-beam initiated CO_2 laser 9—72550
Quate, C.F., Atalar, A., Wickramasinghe, H.K. Acoustic microscopy with mechanical scanning—a review 9—98571
Quateman, J.H. *see* Polanco, S.E. 9—51386
Quatieri, T.F., Jr. A mixed-phase homomorphic vocoder 9—59882
Quatieri, T.F., Jr. Minimum and mixed phase speech analysis-synthesis by adaptive homomorphic deconvolution 9—90090
Quattropani, A., Bassani, F., Margaritondo, G., Tinivella, G. Binding energies of core excitons in semiconductors 9—73439
Quazi, A.H., Nuttall, A.H. Effects of random shading, phasing errors and element failures on the beampatterns of line and planar arrays 9—64468
Que Nguyen Van *see* Nguyen Van Que
Queen, D. The effect of loudspeaker radiation patterns on stereo imaging and clarity 9—64401
Queirolo, G. Substrate effect on Auger line intensity 9—65962
Queisser, H.J., Theodorou, D.E. Hall-effect analysis of persistent photocurrents in n-GaAs layers 9—87130
Quelch, M.J.T. *see* Bartlett, B.E. 9—55684, 9—91578
Quell, P. *see* Brockmann, H. 9—67935
Quemada, D. Rheology of concentrated disperse systems. III. General features of the proposed non-Newtonian model. Comparison with experimental data 9—77231
Quemada, D. Rheology of concentrated disperse systems. II. A model for non-Newtonian shear viscosity in steady flows 9—81957
Quemener, Y., Malavaud, A., Bandet, J. Angular loss studies on natural MoS_2 surfaces by low-energy electron spectroscopy: influence of the surface cleavage 9—56898
Quenby, J.J., Coe, M.J., Engel, A.R. Ariel 5 hard X-ray observations 9—58444
Quensanga, A. Thermodynamic study of the Ti-C-O system in the temperature range 1400-1600K 9—52650
Quentin, G. *see* de Billy, M. 9—57737
Quentin, G. *see* Tittmann, B.R. 9—57197
Quentin, G.J. *see* de Billy, M. 9—70595
Quentin, P. *see* Sprung, D.W.L. 9—93482
Quentrec, B. A new analysis of sound propagation near the critical point of xenon 9—82285
Querci, F. *see* Querci, M. 9—88670
Querci, M., Querci, F., Courtin, R., Coron, N., Gispert, R. Observation of continuum emission between 1 and 4 mm from the carbon star V Cygni 9—88670
Quere, Y. *see* Dural, J. 9—90715
Querzola, B. *see* Corio, W. 9—70889
Queyroux, F. *see* Nanot, M. 9—65039
Quezel, S. *see* Boucherle, J.X. 9—99032
Quick, C.R., Jr., Tiee, J.J., Fischer, T.A., Wittig, C. A direct measurement of the unimolecular decomposition of 1,1-difluoroethane via IR laser photolysis 9—57254
Quick, N.R., Johnson, H.H. Permeation and diffusion of hydrogen and deuterium in 310 stainless steel, 472K to 779K 9—55937
Quick, R.F., Jr. Hierarchical detection structures in vision 9—79523
Quick, R.F., Jr., Lucas, R.N. Orientation selectivity in detection of chromatic gratings 9—96562
Quick, R.F., Jr. *see* Bebel, D.J. 9—98462
Quicke, D.L.J., Brace, R.C. Differential staining of cobalt- and nickel-filled neurones using rubeanic acid 9—84035
Quickenden, T.I., Trotman, S.M., Irvin, J.A., Sangster, D.F. H_2O quenching of the transitions $H(n=3 \rightarrow n=2)$ and $O(3p^3P \rightarrow 3s^3S^0)$ in pulse radiolytically excited water vapor 9—89738
Quickle, R.J. *see* Glascock, M.D. 9—63682
Quiesser, H.J. *see* Theodorou, D.E. 9—69507
Quigg, C., Rosner, J.L. Multilepton final states and the weak interactions of the fifth quark 9—49516
Quigg, C. *see* Dremin, I.M. 9—49545
Quigley, R., Africano, J. New ephemeris for the dwarf Cepheid DY Pegasi 9—67040
Quihuis, R.A., McKlveen, J.W. Uranium assay using a continuous fast-neutron source 9—52849
Quillfeld, W. Combined atomic absorption and emission performed with the JENA-made LMA 10 laser microspectral analyzer 9—79344
Quimby, B.D., Uden, P.C., Barnes, R.M. Atmospheric pressure helium microwave detection system for gas chromatography 9—74447
Quimby, R.S., Yen, W.M. Three-dimensional heat-flow effects in photoacoustic spectroscopy of solids 9—89007
Quinard, J. *see* Martin, R. 9—69833
Quinby, H.L. *see* Goldman, J.C. 9—88372
Quinby, T.C. *see* Aaron, W.S. 9—89411
Quinby-Hunt, M.S. A survey of instrumentation used for monitoring metals in water 9—74580
Quinet, J.-L. *see* Lions, N. 9—63756
Quinn, D.J. *see* Shupe, M.A. 9—63485
Quinn, G.D., Nathan Katz, R. Stepped temperature stress-rupture testing of silicon-based ceramics 9—61804
Quinn, G.D. *see* Gazza, G.E. 9—61613
Quinn, G.D. *see* Hoshen, J. 9—75465
Quinn, J. *see* Aldridge, R.V. 9—99444
Quinn, J.A. *see* Smith, D.R. 9—91992
Quinn, J.G. *see* Hoffman, E.J. 9—83645
Quinn, J.J. *see* DasSarma, S. 9—95461
Quinn, J.R. *see* Boyd, D.P. 9—66521
Quinn, M.J. *see* Sagert, N.H. 9—64742, 9—87882
Quinn, P.J., Williams, W.P. Plant lipids and their role in membrane function 9—83716
Quinn, T.F.J. Making physics relevant 9—62951
Quinn, T.J. *see* Colclough, A.R. 9—93094
Quinney, D.A. On computing travelling wave solutions in a model for the Belousov Zhabotinskii reaction 9—70318
Quinones, J.D. *see* Sostre, S. 9—88173
Quint, D.W., Johnson, L.M., Jain, K., Pratt, G.W., Jr. Optical modulation of second-harmonic generation in tellurium 9—86212
Quintana, G., Sirkin, H., Rosen, M., Kurlat, D.H., Frank, E. Mossbauer spectra for a splat-cooled SnPb eutectic alloy 9—82903
Quintana, J.A. *see* Aguilar, M. 9—67400
Quintana, J.A. *see* Oliva, J. 9—67401
Quintana, J.N. *see* Barnes, B.K. 9—49688
Quintart, J. *see* Baudhuin, P. 9—71569
Quintella, H.M., Santimateo, D., Paschoa, A.S. Computer kinetic modelling of radionuclide accumulation in marine organisms 9—53261
Quintenz, J.P. *see* Widner, M.M. 9—86591
Quirk, T.W. *see* Loomis, W.A. 9—71757
Quirk, W.J. *see* Cooper, M.J. 9—63783
Quiroga, O.D. *see* Gottifredi, J.C. 9—50714, 9—69327
Quiros, M. Renormalization of the new trajectory in the unitarized conventional dual model 9—85281
Quiros, M. *see* Leon, J. 9—75387
Quiroz, R.S. Stratospheric temperatures during solar cycle 20 9—79936
Quitmann, D. *see* von Hartrott, M. 9—73849
Quittner, E., Borduas, H., Renshall, J.T., Ahmed, S. Canadian development of large deployable solar arrays for communications spacecraft 9—96469
Quivy, A. *see* Chappuis, G. 9—52214
Quniton, A.R. The AC repulsion demonstration of Elihu Thomson 9—62980
Quo Fu *see* Wang Chung-shun 9—92187
Quoc Son Nguyen *see* Nguyen Quoc Son
Quon, C. A study of penetrative convection in rotating fluid 9—81902
Quraishi, R. *see* Mishra, R.S. 9—50804
Qureshi, A.H. *see* Malik, N.H. 9—68965, 9—68966
Qureshi, M.S. *see* Shrivastava, V.K. 9—91341
Quy Dao Nguyen *see* Nguyen Quy Dao
R., A.Gomez *see* Gomez R., A.
Raab, D.H., Bernstein, R.S. Effect of masker level on detection of a tone in pseudorandom noise 9—92224
Raabe, J., Szymanski, A., Wlosinski, W., Tomassi, W. New methods of fabricating β-alumina 9—78916
Raabe, O.G. *see* Nelson, L.S. 9—67959
Raad, B.de *see* de Raad, B.
Raadu, M.A. Expansion of a plasma injected from an electrodeless gun along a magnetic field 9—55479
Raaen, A.M. *see* Fossheim, K. 9—99621
Raaf, A.J.De *see* De Raaf, A.J.
Raaphorst, G.P., Sapareto, S.A., Freeman, M.L., Dewey, W.C. Changes in cellular heat and/or radiation sensitivity observed at various times after trypsinization and plating 9—74727
Raaphorst, G.P. *see* Sapareto, S.A. 9—100673
Raaphorst, J.G.van *see* van Raaphorst, J.G.
Raassen, A.J.J., van Kleef, Th.A.M. Analysis of the fifth spectrum of cobalt (Co V) 9—72266
Rabach, G. *see* Lupoli, G. 9—93108
Rabadanov, R.A. *see* Kazhlaev, M.A. 9—99924
Rabadanov, R.A. *see* Semiletov, S.A. 9—95530
Rabadanov, R.A. *see* Shaikhov, D.A. 9—56339
Rabago, F. *see* Gautron, J. 9—52676
Rabalais, J.W. *see* Honda, F. 9—72379
Rabalais, J.W. *see* Lancaster, G.M. 9—96363
Rabas, T.J. *see* Horszsk, D.A. 9—83615
Rabbaa, A. *see* Dubost, G. 9—81320
Rabbe, P. *see* Mudry, F. 9—52367
Rabbia, Y. *see* Assus, P. 9—62755
Rabe, G. *see* Killat, U. 9—72530
Rabe, H. The investigation of three-dimensionally regular intergrowths in incident light with the Laves-Ernst compensator 9—96843
Rabe, J.G., Schmidt, W.F., Klein, W. Physicochemical investigation of the behavior of silicone oils under the influence of high voltage stress 9—91368
Rabe, P., Tolkiehn, G., Werner, A. High-accuracy bond lengths from EXAFS of solid $KMnO_4$ and MnO_4^- in aqueous solution 9—51043
Rabe, P., Tolkiehn, G., Werner, A. Mean-square relative displacements of nearest-neighbour atoms in Ge 9—91532
Rabe, P. *see* Bohmer, W. 9—87524
Rabe, P. *see* Friedrich, H. 9—76444
Rabe, U. *see* Blachnik, R. 9—77770
Rabenau, A. *see* Frank, G. 9—55894
Rabenau, A. *see* Haag, J. 9—91991
Rabenau, A. *see* Hartwig, P. 9—73336

Rabenau, A. *see* Piekarczyk, W. 9—56967, 9—77771
Rabenstein, D.L. *see* Guevremont, R. 9—87892
Rabie, A. *see* Hassan, M.Y.M. 9—85467
Rabier, J., Veyssiere, P., Garem, H., Grilhe, J. Sub-grain boundaries and dissociations of dislocations in yttrium iron garnet deformed at high temperatures 9—90658
Rabier, J. *see* Veyssiere, P. 9—90660
Rabin, M.S.Z. *see* Shupe, M.A. 9—63485
Rabin, Y., Ben-Reuven, A. Theory of resonance excitation of N-level atomic systems by strong coherent radiation 9—68374
Rabin, Y. *see* Ben-Reuven, A. 9—81401
Rabiner, L.R., Levinson, S.E., Rosenberg, A.E., Wilpon, W.G. Speaker-independent recognition of isolated words using clustering techniques 9—86303
Rabiner, L.R., Schafer, R.W. Digital processing of speech signals 9—72767
Rabiner, L.R., Wilpon, J.G. Considerations in applying clustering techniques to speaker-independent word recognition 9—94411
Rabinkin, A. *see* Gartstein, E. 9—61581
Rabinovich, B.I. Some regular features of transient field curves in proximate zones 9—62434
Rabinovich, E.M., Mel'nikov, L.A., Tuchin, V.V. Longitudinal modes in resonators filled with inhomogeneous material 9—81463
Rabinovich, E.M. *see* Vydrin, V.N. 9—100195
Rabinovich, G.D., Dorogush, V.M. Reduced value of thermodynamic constants of chlorine isotopes in carbon tetrachloride 9—90810
Rabinovich, G.D., Ivakhnik, V.P. Chlorine isotope separation by liquid-phase thermal diffusion 9—89502
Rabinovich, L.V., Shatsova, S.A., Bregman, T.P. The use of solid lubricants in frictional elements of optomechanical devices 9—52388
Rabinovich, M.I., Fabrikant, A.L. Stochastic self-modulation of waves in nonequilibrium media 9—98902
Rabinovich, M.I. *see* Ezerskii, A.B. 9—55363
Rabinovich, M.Kh., Kaibyshev, O.A., Trifonov, V.G. Superplasticity of alloy V96Ts 9—52326
Rabinovich, M.S. *see* Zhukov, P.G. 9—86122
Rabinovich, R.I. *see* Aleksandrov, V.N. 9—95451
Rabinovich, S.V., Sidorenko, R.A., Kharchuk, M.D., Ioffe, A.Ya. Parts cast from Superinvar for optical instruments 9—81580
Rabinovich, V.G. *see* Popov, V.P. 9—78901
Rabinovitch, A., Bahat, D. Catastrophe theory: a technique for crack propagation analysis 9—55342
Rabinovitch, A., Sen, R.N. Solution of renormalization group recursion relations for a finite Ising chain 9—97310
Rabinovitch, A. *see* Pelleg, J. 9—95219
Rabinovitch, B.S. *see* Kelley, D.F. 9—91926
Rabinowitz, G. Panel on the impact of changing computer technology on nuclear and particle physics 9—89539
Rabischong, P. *see* Pernot, F. 9—74128
Rabitz, H. *see* DePristo, A.E. 9—89712
Rabitz, H. *see* Dougherty, E.P. 9—100334
Rabitz, H. *see* Hwang, J.-T. 9—67178
Rabitz, H. *see* Ramaswamy, R. 9—54944
Rabitz, H. *see* Tarr, S.M. 9—54945
Rabkin, L.M. *see* Dmitriev, V.P. 9—56800
Rabkin, Y.M., Inhaber, H. Science on the periphery: a citation study of three less developed countries 9—97180
Rabkina, I.G. *see* Mardirosova, I.V. 9—78943
Rabl, A. *see* Collares-Pereira, M. 9—62104, 9—62105, 9—62112, 9—87975
Rabl, A. *see* Goodman, N.B. 9—62069
Rabl, A. *see* Ozakcay, L. 9—62102
Rabov, St. *see* Drazhev, M. 9—75512
Rabson, T.A. *see* Epton, P.J. 9—76728
Rabson, T.A. *see* Woodbury, D.A. 9—94186
Rabsztyn, B. *see* Zastawny, A. 9—100754
Raburn, W.D., Kim, J.C. A test for predicting thermal second breakdown 9—82668
Racano, R., Mitslal, T., Buteau, L., Lei, G., Philippoff, W. The analysis of the entrance flow into a slit. II. Experimental 9—64619
Raccah, P.M. *see* Pollak, F.H. 9—99562
Raccah, P.M. *see* Vazquez-Lopez, C. 9—100525
Racette, G.W., Frost, R.T. Deposition of polycrystalline silicon films on metal substrates under ultra-high vacuum 9—91588
Rachek, A.P. *see* Mil'man, Yu.V. 9—100238
Rachinskene, S.S., Gaigalas, K.I. Influence of conditions governing formation of Ni-TiO_2 electrochemical composite coatings on their phase composition and microhardness 9—91598
Rachko, Kh.-R.Ya. *see* Zaslavskii, G.M. 9—86402
Rachko, Z.A., Valbis, J.A. Luminescence of free and relaxed excitons in MgO 9—74008
Rachko, Z.A. *see* Janson, J.L. 9—83037
Racin, R., Bogue, D.C. Molecular weight effects in die swell and in shear rheology 9—94575
Racine, R. Mont Megantic astronomical observatory; a new major observatory in Canada 9—80215
Rack, E.P. *see* Blotcky, A.J. 9—52847
Rack, H.J. The role of prior austenite grain size on the tensile ductility and fracture toughness of 18Ni maraging steels 9—100226
Rack, H.J. *see* Headley, T.J. 9—100113
Rack, H.-J. The explicit inverse of a quasi-tridiagonal matrix 9—88793
Rackham, S.J., Sherlock, R.A. A pulse height analyzer for displaying Coulter counter particle size distributions 9—70716
Rackl, R., Siddon, T.E. Causality correlation analysis of flow noise with fluid dilatation as source fluctuation 9—72742
Rackley, C.E. *see* Mantle, J.A. 9—70684
Rackley, C.E. *see* Papapietro, S.E. 9—70637
Rackley, C.E. *see* Zissermann, D. 9—70638
Rackow, B., George, S. Measurement of the geometric powder surface of nonporous oxidic, silicate and similar materials by means of chemical planimetry 9—88915
Rackwitz, R. Effect of quality control on the distribution law for normal production processes of known standard deviation 9—52554
Raczka, R. *see* Barut, A.O. 9—93322
Raczka, R. *see* Budini, P. 9—80749
Raczynski, J. *see* Mielcarek, W. 9—100153
Rad, F.N. *see* Hynes, M.V. 9—63658
Rad, F.N. *see* Miska, H. 9—63583
Rada, J. Simple analogies between temperature and electrical fields and their utilisation for practical thermal calculations 9—68343
Radautsan, S.I., Arushanov, E.K., Lashkul, A.V., Nateprov, A.N. Electron mobility in cadmium phosphide 9—56229
Radautsan, S.I. *see* Alekseevskii, N.E. 9—86773
Radautsan, S.I. *see* Areshkin, A.G. 9—90972
Radautsan, S.I. *see* Kudintseva, G.A. 9—87565
Radautsan, S.I. *see* Merkulov, A.I. 9—87102
Radautsan, S.I. *see* Nikiforov, K.G. 9—69730
Radautsan, S.I. *see* Tsurkan, V.V. 9—69672
Radchenko, A.F. Preparation of crystals of boron arsenides by chemical transport reactions 9—100032
Radchenko, E.D. *see* Sheina, G.G. 9—70507
Radchenko, I.P. *see* Svalov, G.G. 9—93174
Radchenko, V.E. *see* Kazanskii, A.G. 9—82629
Radchenko, V.G. *see* Shabalin, V.N. 9—74183
Radchenko, V.V. *see* Kask, N.E. 9—61471, 9—89979
Radchenko, V.V. *see* Zelikin, N.V. 9—89952
Radcliffe, C.W. *see* Zarrugh, M.Y. 9—74703
Radcliffe, D.J. *see* Pinheiro, M. de F.F. 9—60528
Radcliffe, S.V. *see* Torres-Villasenor, G. 9—61599
Radebaugh, J.C. *see* Smith, D.K. 9—73007
Radebaugh, R., Lawless, W.N., Siegwarth, J.D., Morrow, A.J. Feasibility of electrocaloric refrigeration for the 4-15K temperature range 9—80624
Radecki, D., Reed, E., Chadwick, C. Sun-pump and lamp-pump Nd:YAG lasers for space communications 9—86194
Radeka, V. *see* Gatti, E. 9—63868
Radescu, E.E. *see* Guiasu, I. 9—85301
Radev, C.I. *see* Dinev, S.G. 9—94818
Radev, S. *see* Gospodinov, P. 9—64752
Radford, C.J., Klotz, A.H. Geometric properties of Dirac fields in a Riemannian space-time: I 9—75430
Radford, C.J., Klotz, A.H. Geometric properties of Dirac fields in a Riemannian space-time: II 9—75431
Radford, K.C., Lyon, W.L., Hart, J.E. Fluid-bed conversion of UF_6 to UO_2 9—97879
Radford, S.F. *see* Gupta, S.N. 9—49151
Radha, M.S. *see* Rao, U.R. 9—84638
Radha, T.S. *see* Ramprasad, B.S. 9—65351
Radhakrishna, M. *see* Panwar, O.S. 9—91045
Radhakrishna, P. *see* Stirling, W.G. 9—61090
Radhakrishna, S., Haridoss, S. Spontaneous current emission (SCE) from metal-polymer-metal systems 9—78201
Radhakrishna, S., Hariharan, K. Optical and vibronic spectra of MnO_4^{2-} in cesium bromide 9—65909
Radhakrishna, S., Hariharan, K., Jagadeesh, M.S. Electrical conductivity and optical absorption studies in superionic $RbAg_4I_5$ thin films 9—99355
Radhakrishna, S. *see* Sivasanker, V.S. 9—78034
Radhakrishna Murthy, I.V. *see* Subba Rao, Y.V. 9—84103
Radhakrishnamurty, C., Likhite, S.D., Deutsch, E.R., Murthy, G.S. Nature of magnetic grains in basalts and implications for palaeomagnetism 9—84243
Radhakrishnamurty, C., Likhite, S.D., Sahasrabudhe, P.W. In situ measurements on igneous rock bodies 9—84521
Radhakrishnamurty, C. *see* Somayajulu, B.L.K. 9—84520
Radhakrishnan, M. *see* Mahalingam, T. 9—91375
Radhakrishnan, R. *see* Sundaram, K. 9—88050
Radhakrishnan, V.M. Parameter representation of fatigue crack growth 9—68650
Radhakrishnan, V.M. Cumulative damage in creep 9—70140
Radic, C.C. Single crystal sheets grown from molten silicon require no slicing or polishing 9—74079
Radic, S.M. *see* Ristic, M.M. 9—74116
Radicati, L.A. *see* Jacopini, E. 9—97291
Radiceva, M.A. Critical analysis of the present ashing methods and an evaluation of the possibilities of their application in the determination of low activities and microelements in environmental objects 9—88043
Radicheva, N. *see* Gerilovsky, L. 9—79501
Radin, C. *see* Gardner, C.S. 9—88888
Radin, J.R., Gradsztajn, E., Smith, A.R. ^{7}Be production cross sections in N, C, ^{11}B, and ^{10}B with 740 MeV protons 9—93625
Radiollo, M.V. Bending of a multi-layer beam assembly 9—81718
Radionov, V.F. *see* Kondratyev, K.Ya. 9—100956
Radionova, L.Kh. *see* Kuznetsov, I.A. 9—66086
Radionova, Ye.A. Phasic sensitivity of the neurones of the posterior colliculi as a function of the frequency of the sound signal 9—57666
Radjy, N.A., Dautremont-Smith, W.C. Diffuse-reflectivity-loss correction to the absorption spectra of an amorphous chalcogenide semiconductor 9—82995
Radjy, N.A. *see* Green, M. 9—60833
Radke, F. *see* Hobbs, P.V. 9—84395
Radkowsky, A., Galperin, A. Note on the energy dependence of the absorption cross-section of the fission-product aggregate 9—76075
Radkowsky, A. *see* Ronen, Y. 9—81000
Radler, K., Frey, H., Muller, W., Schuller, K.-H., Von Wienskowski, J. Structural, electrical and optical properties of Cu_xS layers produced by reactive RF sputtering 9—90908
Radler, K. *see* Muller, W. 9—100053
Radloff, P.L., Freedman, P.A. The $b^4\Sigma^- \rightarrow a^4\Pi$ band system of nitric oxide 9—72312
Radloff, W. Investigation of gases by the method of nonlinear absorption spectroscopy 9—63315
Radloff, W. The intensity monitor device for PETRA 9—72081
Radman, M. *see* Villani, G. 9—92149
Radnitzky, G. Scientific progress. Competing positions in contemporary philosophy of science 9—71217
Radnoczi, G. *see* Barna, A. 9—56993, 9—82487
Rado, G.T. One-ion mechanism of magnetocrystalline surface anisotropy energy: yttrium iron garnet 9—78362
Rado, G.T., Vittoria, C., Ferrari, J.M., Remeika, J.P. Linear electric field shift of a ferromagnetic resonance: lithium ferrite 9—78530
Radoi, I. *see* Nemes, M. 9—74282
Radojicic, D. *see* Blietschau, J. 9—93396
Radom, L. *see* Bouma, W.J. 9—76528
Radomysel'skii, I.D. *see* Dovydenkov, V.A. 9—100082
Radomysel'skii, I.D. *see* Kharitinych, N.E. 9—70272
Radon, J.C. Influence of environment on threshold in fatigue crack growth 9—79171
Radon, J.C. *see* Leevers, P.S. 9—70144
Radon, T., Sidorski, Z. Adsorption and condensation of bismuth on tungsten 9—73394
Radonjic, L. *see* Backovic, N. 9—90907
Radosevich, L.G. *see* Carling, R.W. 9—100540
Radovic, Z. *see* Dobrosavljevic, L. 9—56475
Radovskii, I.S., Droban, N.V. Velocity and damping decrement of sound in a steam mixture of bubble structure 9—55444
Radovsky, A. *see* Kao, C. 9—79594
Radowicz, A. Description of stress fields generated by defects in continuum 9—69104
Radowsky, M. *see* Katz, M. 9—92325
Radshabov, G.M. *see* Chirkov, V.N. 9—78656
Radtsig, A.A. *see* Evseev, A.V. 9—98218
Radu, C. The flow of polymerous materials into a non-circular section 9—50795
Radu, C., Polonic, G., Apopei, I. Macroseismic field on the March 4, 1977 Vrancea earthquake 9—84167
Radu, C., Polonic, G., Karnik, V., Prochazkova, D., Schenkova, Z. Isoseismal map of the Vrancea earthquake of March 4, 1977 9—84168
Radu, C. *see* Fuchs, K. 9—84172
Radu, C.G. *see* Teodosiu, C. 9—57024, 9—83278
Radu, H. *see* Da Ronch, A. 9—57633
Radulet, R., Tugulea, A., Cristea, N. On a simplified method for the calculation of the losses produced by the eddy currents in ferromagnetic media 9—69697
Radwanski, R. *see* Dargel, L. 9—60319
Radzewicz, C. *see* Krasinski, J. 9—50356
Radzhabov, T.D., Iskanderova, Z.A. Distribution of the gaseous impurities in films produced by diffusion and ion bombardment 9—69146
Radzio, E. *see* Les, A. 9—50099
Raeburn, S.J. *see* Aldridge, R.V. 9—99444
Raedt, B.de *see* de Raedt, B.
Raedt, B.De *see* De Raedt, B.
Raedt, H.de *see* de Raedt, H.
Raedt, H.De *see* De Raedt, H.
Raedt Hans de *see* Hans de Raedt
Raeside, D.E., Anderson, D.W., Galloway, D.C. A study of the dose to the thyroid and the eye in computed tomography of the brain 9—92389
Raeside, D.E. *see* Chu, W.K. 9—83864
Raeside, D.E. *see* Morin, R.L. 9—81122
Raether, H. *see* Hinz, H.-J. 9—90984
Raether, H. *see* Pokrowsky, P. 9—69453

Raether, H. *see* Wahling, G. 9—87001
Raevskaya, L.T., Abel'skii, Sh.Sh., Irkhin, Yu.P. Anisotropy of electrical resistivity of rare-earth metals 9—69494
Raevskaya, M.V. *see* Sokolovskaya, E.M. 9—52165, 9—56956
Raevskii, A.O. *see* Gulyaev, Yu.V. 9—78124
Raevskii, A.V. *see* Shcherbakova, L.G. 9—77837
Raevskii, I.M. *see* Askar'yan, G.A. 9—64886, 9—76548
Raevskii, I.P. *see* Smotrakov, V.G. 9—100041
Raevskii, I.P. *see* Turik, A.V. 9—87375
Raevskii, S.B. *see* Getmantseva, T.N. 9—81337
Rafa, J. *see* Chwalczyk, F. 9—68458
Rafael, E.De *see* De Rafael, E.
Rafaeloff, R. *see* Gafni, G. 9—61524
Rafailovich, M.H. *see* Mahnke, H.-E. 9—56647
Rafalko, J.J., Rzepa, H.S., Swanson, B.I. Quadratic potential functions for the boron trihalides 9—72239
Rafalovich, D.M. *see* Zadorozhnyi, V.G. 9—66008
Rafalovskii, V.A. *see* Dakhtyar, I.Ya. 9—91527
Rafalowicz, J. *see* Bartkowski, K. 9—65427
Rafalowicz, J. *see* Marucha, C. 9—65431
Rafalski, P., Weichert, D. On minimum principles for elastic-plastic plates 9—68593
Rafanelli, K., Orenstein, S. An extended particle with interacting constituents. II. Hamiltonian formulation 9—63022
Rafanelli, P. Spectroscopic observations of dwarf novae. I. HT Cas 9—88668
Rafanelli, P. *see* Barbieri, C. 9—101200
Rafat-mehr, M. *see* Fritsche, L. 9—51468
Rafei, E. Phase transformations during heating acid-extracted chrome spinellide in air 9—96003
Rafelski, J. *see* Gross, E.K.U. 9—89614
Raff, L.M. *see* Bush, P.S. 9—78819
Raff, V.S. *see* Khashchina, M.V. 9—88908
Raffat, E., Aberdam, D. An Auger electron spectroscopy study of tin diffusion and surface segregation in aluminium, in the limit of very small concentration 9—82384
Raffellini, G., Zanchini, E. A contribution to evaluation of flat-plate solar collector performance 9—62091
Raffenetti, R.C. *see* Hay, P.J. 9—97987
Raffin, M. *see* Lengrand, J.-C. 9—94674
Raffin, M.J.M. *see* Thornton, A.R. 9—53161
Raffy, H., Guyon, E. Critical currents of multilayered films in superconducting proximity 9—60992
Raffy, H., Renard, J.C. Critical currents of Pb-In/Sn-In multilayered films 9—61017
Rafinejad, D. Design of a 150 kW solar powered irrigation facility 9—96427
Rafique, S. *see* Collins, A.T. 9—73975
Raftery, E. *see* Evans, S. 9—75667
Raftopoulos, D.D., Kartalopoulos, S.V. Evaluation of the stress-optical coefficients of transparent solid plates using interferometry 9—97418
Raftopoulos, D.D. *see* Little, R.R. 9—92496
Raga, F. *see* Anedda, A. 9—56757
Ragaini, R.C. *see* Ondov, J.M. 9—92108
Ragaller, K. Fluid physics—basic principles of the development of electric circuit breakers and of heat engines 9—98781
Ragan, C.E. *see* Hemmendinger, A. 9—59254
Ragan, S. *see* Smoot, F. 9—58501
Raganskaite, R.A. *see* Perene, N.S. 9—91586
Ragazzi, S. *see* Armenise, N. 9—67536, 9—93397
Ragdale, C.M. *see* Adams, M.J. 9—59816
Ragdale, C.M. *see* Gambling, W.A. 9—76830
Rager, J.P. *see* Gentilini, A. 9—90435
Raghava, A.K., Agrawal, D.P. A vertical axis wind turbine 9—70417
Raghava, A.K., Kumar, K.L., Malhotra, R.C., Agrawal, D.P. A probe for the measurement of the velocity field 9—77316
Raghavachar, M.R. Gravitational instability in the presence of suspended particles and rotation 9—64633
Raghavaiah, C.V., Hanumantha Rao, G., Chiranjivi, C. Isobaric vapour-liquid equilibria of n-butanol-1,1,1,2,2-tetrachloroethane and 1,4-dioxane-1,1,2,2-tetrachloroethane systems 9—51246
Raghavan, C. *see* Ostrach, S. 9—81889
Raghavan, K.S. *see* Rao, S.S. 9—94520
Raghavan, N.V., Tulinsky, A. The structure of α-chymotrypsin. II. Fourier phase refinement and extension of the dimeric structure at 1.8 Å resolution by density modification 9—90634
Raghavan, R., Levy, P.M. Cubic spin model with competing bilinear and higher-degree pair interactions on a linear chain in a magnetic field 9—78372
Raghavan, R. *see* Krusin-Elbaum, L. 9—78416
Raghavan, R. *see* Rangaswamy, T.N. 9—54351
Raghaven, M.V. *see* Jako, G.J. 9—79604
Ragheb, M.M.H., Abdel-Khalik, S.I., Youseff, M., Maynard, C.W. Lattice calculations and three-dimensional effects in a laser fusion-fission reactor 9—81088
Ragheb, M.M.H., Youssef, M.Z., Abdel-Khalik, S.I., Maynard, C.W. Three-dimensional lattice calculations for laser-fusion fissile-enrichment fuel factory 9—85794
Raghunath, B., Kotrappa, P. Diffusion coefficients of decay products of radon and thoron 9—90366
Raghunath, B.K. *see* Patel, J.S. 9—62085
Raghunathan, P. *see* Lalowicz, Z.T. 9—73827
Raghunathan, S., Coll, J.B., Mabey, D.G. Flat plate turbulent boundary layers subject to large pressure fluctuations 9—94642
Raghuraman, P., Davidovits, P., Anderson, J.B. Isotope separation by the velocity-slip process 9—94100
Raghuwanshi, S.S., Sharma, L.K. Potential energy function for diatomic molecules 9—54931
Raghuwanshi, S.S., Sharma, L.K. Large angle scattering amplitude for a model potential in high energy potential scattering 9—88821
Ragiadakos, C. On the quark charges in chromodynamics 9—97575
Ragiadakos, C., Viswanathan, K.S. Gauge fixing condition for the SU(3) gauge theory 9—97505
Ragimov, A.V. *see* Vidadi, Yu.A. 9—51700
Ragimov, K.G., Chiragov, M.I., Mustafaev, N.M., Mamedov, Kh.S. Crystal structure of synthetic sodium-alumosilicate $Na_3Al_3Si_3O_{12}.2H_2O$ 9—90625
Ragimov, N.A. *see* Sokhranov, N.N. 9—62625
Ragimov, N.G., Ganbarov, D.M., Amirov, S.T., Mamedov, Kh.S. Preparation and properties of new zeolite L-D 9—100067
Ragimov, Ya.R. *see* Abosov, S.A. 9—52396
Ragland, T.V. *see* Gaidos, J.A. 9—85440
Ragle, J.L. *see* Goldstein, N. 9—78563
Ragle, R.D. *see* McGuire, G.E. 9—78174
Ragnarsson, I. *see* Azuma, R.E. 9—93550
Ragnarsson, I. *see* Vieu, Ch. 9—49572
Ragnisco, O. *see* Levi, D. 9—71274, 9—71275
Ragone, A. *see* Tellinghuisen, J. 9—98140
Ragosta, G. *see* Costagliola, M. 9—57053
Ragul'skii, V.V. *see* Blashchuk, V.N. 9—86217
Ragul'skis, K.M. *see* Valis, A.S. 9—81396
Raguzin, R.M. Special features in growth of optical instrument manufacturing 9—76862
Raha, S. Successive canonical transformation in model two-body electrodynamics 9—86120
Rahim, C.A., Shah, M.A. Deviation from Matthiessen's rule in copper alloys above room temperature 9—91023
Rahimi, F. *see* Morfin, J.G. 9—71740
Rahl, A. *see* Collares-Pereira, M. 9—62116
Rahm, D.C. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Rahman, A., Mahanta, P.C. Electrical properties of Tl and Mg films 9—99637
Rahman, A. *see* Geiger, A. 9—69001
Rahman, A. *see* Hsu, C.S. 9—74144
Rahman, A. *see* Sow-Hsin Chen 9—68894
Rahman, H.U. *see* Durrani, I.R. 9—60132, 9—64840
Rahman, M. *see* Hoare, M.R. 9—80504
Rahman, M.A. *see* Ahmad, S. 9—80962
Rahman, N.K. *see* Agostini, P. 9—54824
Rahman, T.S., Parlebas, J.C., Mills, D.L. The Lande g-tensor for d-holes in Pd 9—61221
Rahman Khan, M.S. The gettering effect of gadolinium 9—63241
Rahmlow, H.F., Pedrick, L. Audio indexing for efficiency 9—92915
Rahn, F.J., Till, H. Neutron flux determinations in the reactor cavities of LWRs 9—89362
Rahn, K.A., McCaffrey, R.J. Compositional differences between Arctic aerosol and snow 9—88377
Rahn, L.A., Zych, L.J., Mattern, P.L. Background-free CARS studies of carbon monoxide in a flame 9—94288
Rai, A.P. *see* Rastogi, R.P. 9—83508
Rai, B.P., Srivastava, R.S. Mobile ion instability in SiO_2 films on silicon 9—82503
Rai, D.K. *see* Roy, B.N. 9—72412
Rai, G. *see* Mansingh, A. 9—61321
Rai, J.S. *see* Verma, K.M. 9—70207
Rai, R.K. *see* Jain, A.R. 9—84576, 9—88539
Rai, R.K. *see* Janve, A.V. 9—88532
Rai, R.K. *see* Rastogi, R.G. 9—53633
Rai, R.P. On magnetogasdynamic shock waves with heat addition 9—55427
Rai, R.P. *see* Prasad, B. 9—64694
Rai, S.B. *see* Mishra, G.P. 9—72326
Raible, B. *see* Christian, H. 9—52560
Raible, T., Demarmels, A., Meissner, J. Stress and recovery maxima in LDPE melt elongation 9—90209
Raich, J.C., Albert, K. Local strain effects for isolated pairs of ortho-H_2 molecules in para hydrogen 9—65419
Raich, J.C., Huller, A. Model of the structural phase transformation in sodium azide 9—65022
Raich, U. *see* Backenstoss, G. 9—76035
Raider, S.I. *see* Johnson, W.L. 9—91179
Raider, S.I. *see* Laibowitz, R.B. 9—65614
Raider, S.I. *see* Revitz, M. 9—82673
Raidt, H. *see* Abele, J. 9—58093
Raie, R.M., Smith, H. The determination of selenium in biological material by thermal neutron activation analysis and atomic absorption spectrometry 9—88218
Raihkel's, E.I. *see* Antonenko, G.I. 9—68975
Raikes, S.A. Temporal variation of p-delays in southern California 9—57873
Raikes, S.A., Ahrens, T.J. Post-shock temperatures in minerals 9—92527
Raikh, M.E. *see* Dias, P. 9—72705
Raikhbaum, Ya.D. *see* Prokopchuk, S.I. 9—70391
Raikhel's, E.I. *see* Koval', N.A. 9—74262
Raikher, V.L., Bogdanov, B.F., Ushakov, I.E. Plotting fatigue diagrams 9—70246
Raikhshtat, M.M. *see* Gribov, L.A. 9—49962
Raikov, S.N. *see* Burakov, V.S. 9—52830, 9—57328
Railyan, V.Ya. *see* Areshkin, A.G. 9—90972
Raimond, J.M. *see* Gross, M. 9—86153
Raina, A.K., Singh, V. Unitarity bounds on elastic absorptive amplitudes involving total cross section, forward slope and curvature. II 9—75750
Raina, K. *see* Ghosh, S.N. 9—69051
Raine, C. *see* Bussey, P.J. 9—75778, 9—80829
Raine, D.J. *see* Jones, B.C. 9—80331
Rainer, D., Culetto, F.J. Theory of the isotope effect in superconducting compounds: PdD and Mo_6Se_8 9—73615
Rainer, F. *see* Schurz, J. 9—79584
Rainer, S. *see* Wagner, D. 9—60956
Rainey, R.H. *see* Selle, J.E. 9—93716
Rainford, B.D. *see* Loewenhaupt, M. 9—78060
Rainford, B.D. *see* Strom-Olsen, J.O. 9—61059
Rainkhardt, Kh. *see* Pervushin, V.N. 9—93277
Raino, A., Mancini, A.M., Murri, R., Rizzo, A., Vasanelli, L. Cathodoluminescence of GaSe single crystals 9—87512
Rains, R.C. *see* Kingston, H.M. 9—74557
Rains, S.D. *see* Malone, J.P. 9—67371
Rainville, R.H. *see* Howe, L.M. 9—60409
Rainwater, J.C. Temperature dependence of the magnetic susceptibility of a Fermi liquid 9—65628
Rais, A.Ben *see* Ben Rais, A.
Raisbeck, G.M., Yiou, F., Fruneau, M., Loiseaux, J.M. Beryllium-10 mass spectrometry with a cyclotron 9—57338
Raisbeck, G.M., Yiou, F., Fruneau, M., Loiseaux, J.M., Lieuvin, M. ^{10}Be concentration and residence time in the ocean surface layer 9—66714
Raisbeck, G.M., Yiou, F., Stephan, C. ^{26}Al measurement with a [dating technique] 9—71819
Raisch, J.W., Rose, J.L. Computer-controlled ultrasonic adhesive bond evaluation 9—96253
Raisin, C. *see* Bertrand, Y. 9—95798
Raitala, J. Tectonic pattern of mare ridges of the Letronne-Montes Riphaeus region of the Moon 9—66935
Raitala, J. Structures and activity of a lunar tectonic zone 9—66937
Raith, W. *see* Alguard, M.J. 9—76242
Raith, W. *see* Cooper, P.S. 9—58540
Raithby, G.D., Hallett, W.L., Crawford, T.L., Slawson, P.R. Measurements and predictions of turbulent recirculating flow over a rectangular depression 9—66751
Raither, S. *see* Dixon, R. 9—89169
Raitsimring, A.M. *see* Dzyuba, S.A. 9—61223
Raizada, B.B., Dixit, L., Rawat, T.S. Effect of environmental factors on the spectroscopic constants of some octahedral hexahalogeno tellurate and stannate anions 9—56779
Raizer, M.D. *see* Ivanov, V.S. 9—68359
Raizer, M.D. *see* Zhukov, P.G. 9—86122
Raizer, Yu.P. Medium pressure electrodeless discharges in rapidly pulsed high frequency fields 9—55581
Raj, D. *see* Khare, S.P. 9—72418
Raj, J. *see* Niculescu, V. 9—65762
Raj, K., Reiser, C. Magnetic-fluid seals 9—95609
Raj, K. *see* Budnick, J.I. 9—78583
Raj, K. *see* Burch, T.J. 9—69732, 9—78055
Raj, R. *see* French, R.H. 9—83412
Raj Bali *see* Roy, S.R. 9—63095
Raj Lakshmi, M. Long range interactions between some charged solitons 9—63373
Raj Rishi *see* Rishi Raj
Raja, P.K.S. *see* Patel, J.P. 9—79740, 9—84099
Raja, R. *see* Ward, C.P. 9—75803
Raja Iyengar, K.T.Sundara *see* Sundara Raja Iyengar, K.T.
Raja Ratnam, S. *see* Srirama Rao, M. 9—88627
Rajagopal, A.K., Ramana, M.V. Exactly soluble model of a linear chain of classical spins with random Dzyaloshinski-Moriya interactions 9—61118
Rajagopal, A.K. *see* Bagchi, A. 9—78706
Rajagopal, A.K. *see* Zhang, H.I. 9—51785
Rajagopal, K., Tiong Hiap Ong A simulation study of phase change energy store 9—57478
Rajagopalan, B. *see* Greenleaf, J.F. 9—53277
Rajagopalan, B. *see* Johnson, S.A. 9—53202, 9—53282
Rajagopalan, I., Gripps, W., Vasudevan, N., Rajagopalan, S.R., Ramaseshan, S. A new process for black coatings useful in harnessing solar energy. I. A room temperature black chromium plating bath 9—62031
Rajagopalan, K.S. *see* Muralidharan, V.S. 9—96188
Rajagopalan, R. Contour classifiers for cytomorphological analyses 9—79682
Rajagopalan, S. Temperature variation in bulk moduli in solids 9—73237

Rajagopalan, S., Antonia, R.A. Some properties of the large structure in a fully developed turbulent duct flow 9—64770
Rajagopalan, S., Bhanwar Singh, Bhat, P.K., Pandya, D.K., Chopra, K.L. Photo-induced optical effects in obliquely deposited amorphous Se-Ge films 9—56871
Rajagopalan, S. *see* Antonia, R.A. 9—70843
Rajagopalan, S. *see* Nandanpawar, M. 9—73238, 9—86842
Rajagopalan, S.R. *see* Rajagopalan, I. 9—62031
Rajala, R.E. *see* Carpenter, R.L. 9—70726
Rajalakshmi, P.K., Shivaprakash, N.C., Prasad, J.S. Crystal data for the mesogenic material 4,4′-bis(pentyloxy)azoxybenzene 9—60347
Rajalakshmi, P.K. *see* Shivaprakash, N.C. 9—77590, 9—82195
Rajan, V.T., Chia-Wei Woo Re-entrance phenomena in mesomorphic poly-γ-benzyl-l-glutamate (PBLG) solutions 9—99074
Rajan, V.T. *see* Feijoo, L. 9—60272
Rajan, Y.S. *see* Tiwari, M.K. 9—62947
Rajaonarison, R. *see* Bacri, J.-C. 9—90730
Rajapandian, S. *see* Govinda Raju, G.R. 9—82029
Rajappa, N.R. *see* Arunachalam, M. 9—59962, 9—77106
Rajaram, N. *see* Gopinathan, K.K. 9—83005
Rajaram, R. *see* Roy, M. 9—80093
Rajaram, S. *see* Ashajayanthi, A.V. 9—64436
Rajaram, S. *see* Yu, C.P. 9—53173, 9—62287
Rajaraman, R. Elementarity of baryon resonances in nuclear matter 9—97666
Rajaraman, R. *see* McKellar, B.H.J. 9—97670
Rajaratnam, V.H. *see* Bussey, P.J. 9—75778, 9—80829
Rajasekaran, G., Rindani, S.S. The possibility of two-gluon jets in electron-positron annihilation 9—54314
Rajasekaran, G. *see* Bajaj, J.K. 9—54293
Rajasingh, C.K. *see* Bhat, R.S. 9—84655
Rajchel, A. *see* Przybylski, M. 9—87087
Rajendran, N. *see* Shaw, D.T. 9—54525
Rajendran, R. *see* Kondal Rao, N. 9—49806
Rajendran, T., Murugesan, M., Venkatachalam, T.K., Shanmugam, P. Effect of quinolones on polarographic maxima suppression 9—57325
Rajendraprasad, S.B. *see* Ramamurthy, V. 9—77695
Rajeshwar, K., Nottenburg, R., Dubow, J. Thermophysical properties of oil shales 9—100479
Rajeshwar, K., Singh, P., DuBow, J. Energy conversion in photoelectrochemical systems—A review 9—52941
Rajeshwar, K. *see* Nottenburg, R. 9—63271
Rajeshwar, K. *see* Nottenburg, R.N. 9—99367
Rajeshwar, K. *see* Wang, Y. 9—79817
Rajeswar Rao, N. *see* Satyavathi, N. 9—95740
Rajeswara Rao, N. *see* Naik, P. 9—64003
Rajkanan, K. Determination of stoichiometry of thin films of $Cu_{2-\delta}S$ from their optical properties 9—60656
Rajkanan, K., Shewchun, J. A better approach to the evaluation of the series resistance of solar cells 9—61972
Rajkovits, Z. Electron microscopic observation of recrystallisation 9—56987
Rajpoot, S., Singer, M. $SU(3)\times U(1)$ low-energy symmetry within the unifying $SU(4)_F\times SU(4)_C$ gauge group 9—67489
Rajpoot, S. *see* Elias, V. 9—49457
Rajput, A. *see* Ramji Rao, R. 9—73318, 9—82352
Raju, G.Krishnam *see* Krishnam Raju, G.
Raju, G.R.Govinda *see* Govinda Raju, G.R.
Raju, I.S., Newman, J.C., Jr. Stress-intensity factors for a wide range of semi-elliptical surface cracks in finite-thickness plates 9—77013
Raju, I.V.K.Bhagavan *see* Bhagavan Raju, I.V.K.
Raju, K.L.N. *see* Visvanatham, S. 9—55067
Raju, K.Venkatapathi *see* Venkatapathi Raju, K.
Raju, M.R., Amols, H.I., Bain, E., Carpenter, S.G., Cox, R.A., Robertson, J.B. OER and RBE for negative pion beams of different peak widths 9—62301
Raju, M.R., Amols, H.I., Robertson, J.B. Effect of negative pions on cells plated on glass and plastic surfaces 9—92305
Raju, S., Jain, N., Srivastava, R. Possibility of negative temperature co-efficient of resistivity for metallic thin films and wires 9—78217
Raju, S.P.Govinda *see* Govinda Raju, S.P.
Raju, U.V.V. *see* Verneker, V.R. 9—91939
Rajvanshi, S.C. *see* Singh, M. 9—68708
Rajvanshi, S.C. *see* Verma, P.D. 9—68759
Rajwar, D.C., Tiwari, S.C. LCAO-MO method for the evaluation of spectral shift due to electron-repelling substituents in benzoic acid 9—72362
Rajzmann, M. *see* Bernard-Moulin, P. 9—94012
Raka, E. *see* Weng, W.T. 9—76188
Raka, E.C. *see* Pedersen, F. 9—72104
Rakhimov, A.T. *see* Muratov, E.A. 9—98339
Rakhimov, A.T. *see* Vasileva, A.N. 9—99011
Rakhimov, R.Z. *see* Zaripov, A.A. 9—52533
Rakhimova, A.G. *see* Azimov, S.A. 9—90971
Rakhlin, L.L., Deeva, L.P. Investigation into phase diagram of magnesium-holmium 9—52162
Rakhlin, M.Ya. *see* Svechnikov, S.V. 9—78895
Rakhmanina, A.V., Venttsel', V.A., Likhter, A.I., Rudnev, A.V. Carrier density in antimony subjected to pressures up to 80 kbar 9—73534
Rakhmanov, A.L. *see* Andrianov, V.V. 9—87218
Rakhmanov, P.A. *see* Georgiev, M.N. 9—52375
Rakhmanov, S.Y. The Wigner crystal in a semimetal film in a high magnetic field 9—73456
Rakhmatulin, Kh.A. *see* Polezhaev, Yu.A. 9—90350
Rakhmatullin, R.M. *see* Antipin, A.A. 9—95643
Rakhovskaya, S.M. *see* Bolotina, N.E. 9—66343
Rakhshtadt, A.G., Tkhagapsoev, Kh.G., Tsagov, Kh.A. Effect of the surrounding medium on the relaxation of stress in copper alloys 9—100199
Rakhshtadt, A.G. *see* Nazarov, Yu.F. 9—87678
Rakhshtadt, A.G. *see* Vasil'ev, V.P. 9—91707
Rakic, M. *see* Nikolic, P.M. 9—55194, 9—55711, 9—56752, 9—56777
Rakic, P. *see* Knyihar, E. 9—74623
Rakipov, D.F. *see* Alekseenko, N.N. 9—70006
Rakitin, Yu.V. *see* Eremin, M.V. 9—69480
Rakitov, V.A. *see* Egorkina, G.V. 9—74874
Rakobol'skaya, I.V. *see* Baiburina, S.G. 9—80156, 9—80170
Rakobol'skaya, I.V. *see* Varkovitskaya, A.Ya. 9—80147
Rakovich, A.A. *see* Korneyeva, I.L. 9—92163
Rakovitskii, G.R. *see* Glasunova, V.I. 9—89024
Rakovskii, Yu.N. Simultaneous optimization of optical and electrical filters in scanning optoelectronic systems 9—72696
Rakow, A.L. Toxicological effects of trace contaminants in a spacecraft environment: towards a toxo-kinetic/dynamic model 9—83952
Rakowski, A. *see* Grzelak, M. 9—55288
Rakowski, A. *see* Jaroszewski, A. 9—68516
Rakowski, R. Some conclusion from investigating systematic errors of electronic measuring instrumentation 9—88902
Rakowski, W. *see* Jordan, A. 9—98258
Rakowsky, G., Hughey, L.R. SURF's up at NBS. A progress report 9—68032
Rakshit, A.B. *see* Adams, N.G. 9—61845
Rakshit, A.B. *see* Lister, D.G. 9—91933
Rakvin, B., Herak, J.N. ESR study of radiation-induced radicals in the sugar-phosphate region of nucleotides. II. PO_4^{2-} radical in a crystal of uridine 5'-phosphate (Na salt) 9—57592
Ral'chenko, V.I. *see* Gilyarov, O.N. 9—50287, 9—50288
Raleigh, D.O., White, J.T., Ogden, C.A. Anodic corrosion rate measurements in LiCl-KCl eutectic. I. Electrochemical considerations 9—100512
Raleigh, D.O., White, J.T., Ogden, C.A. Anodic corrosion rate measurements in LiCl-KCl eutectic. II. Results on nickel, molybdenum, and stainless steel 9—100513
Ralko, N.E. *see* Lisitsa, M.P. 9—61386
Rallison, J.M. The role of rigidity constraints in the rheology of dilute polymer solutions 9—81928
Ralph, B. *see* Ecob, R.C. 9—55700
Ralph, J.E. Photoluminescence of CdS:Cu doped by diffusion 9—91493
Ralston, J., Soper, D.E. Production of dimuons from high energy polarized proton-proton collisions 9—63544
Ralston, J.M., Mann, J.W. Temperature and current dependence of degradation in red-emitting GaP LEDs 9—87144
Ralston, J.P., Soper, D.E. Production of dimuons from energy polarized proton-proton collisions 9—58981
Ralston, R.W., Stern, E. Four-wave interactions in acoustoelectric integrating correlators 9—98547
Ralston, R.W. *see* Leonberger, F.J. 9—50242
Ralston, R.W. *see* Smythe, D.L. 9—72757
Ram, A. Measurement of apparent velocity and azimuth of seismic signals recorded at an array 9—84522
Ram, B., Halasa, R. Meson spectra with a harmonic-oscillator potential in the Klein-Gordon equation 9—93392
Ram, M. *see* Lee, Y.C. 9—60218
Ram, R. *see* Sharma, V.D. 9—98815
Ram Babu, P. *see* Dass, G.V. 9—80788
Ram Mohan, L.R. *see* Minich, R.W. 9—49403
Ram Prakash *see* Goyal, S.C. 9—61335
Ram Yadav, V., Lal, H.B. High temperature magnetic susceptibility of some rare-earths doped yttrium gallium garnets 9—78347
Rama Krishna, N., Huang, D.H., Glickson, J.D., Rowan, R., III, Walter, R. Amide hydrogen exchange rates of peptides in H_2O solution by ^1H nuclear magnetic resonance transfer of solvent saturation method. Conformations of oxytocin and lysine vasopressin in aqueous solution 9—83692
Rama Mohan Rao, C., Mehrotra, P.N. Effect of impurities on monoclinic (II)-cubic (I) transformation of lithium sulphate 9—52744
Rama Mohan Rao, V. *see* Sastry, V.U.K. 9—68803, 9—98763
Rama Rao, K.V. Numerical solution of the thermal instability of a micropolar fluid layer between rigid boundaries 9—68692
Rama Rao, K.V.S. *see* Vijayaraghavan, M.S. 9—51981
Rama Rao, P.N. *see* Choudhury, R.K. 9—85865
Rama Rao, Y.V., Sarma, K.S. Love wave propagation in poro-elasticity 9—98653
Ramachandra, S. *see* Bhattacharyya, T.K. 9—74504
Ramachandra Murty, A.S. *see* Selvam, A.M. 9—84519
Ramachandra Rao, B. *see* Devara, P.C.S. 9—84753
Ramachandra Rao, B. *see* Madhusudhana, B. 9—101002
Ramachandra Rao, B. *see* Srirama Rao, M. 9—88534
Ramachandra Rao, B.S., Sarma, P.V.B.A.S. Flexure of ring sector plates under uniform and concentrated normal loads 9—72802
Ramachandra Rao, D. *see* Dayal, R. 9—56604
Ramachandra Rao, D. *see* Jagannath, H. 9—61415
Ramachandran, A., Gururaja, J. India's national solar energy research and development programme 9—57365
Ramachandran, B.E., Pai, B.C., Balasubramanian, N. Electrical resistivity studies on acid-treated E-glass fabric 9—70178
Ramachandran, G., Murthy, M.V.N. A new presentation for the density matrix 9—75873
Ramachandran, J. Non-linear vibrations of cylindrical shells of varying thickness in an incompressible fluid 9—81796
Ramachandran, K., Haridasan, T.M. Effect of dielectric screening on the Lo phonons in SnTe 9—77697
Ramachandran, S. *see* Kuppuraju, K. 9—71466
Ramachandran, T.V. *see* Mishra, U.C. 9—92106
Ramachandran, V. *see* Saran, T. 9—52786
Ramachandran, V. *see* Srinivasan, R. 9—73280
Ramachandrarao, P. *see* Chattopadhyay, K. 9—52194
Ramacharyulu, N.C.P. Annular effect in porous media 9—77240
Ramadas, T.R. *see* Narasimhan, M.S. 9—71586
Ramadass, N., Gopalakrishnan, J., Sastri, M.V.C. Studies on magnesium- and titanium-substituted $LaCoO_3$ 9—86748
Ramage, J.C., Kuchar, F., Stradling, R.A., Lopex-Otero, A. Magneto-optics of free and bound carriers in p-PbTe 9—82985
Ramage, J.C. *see* Nicholas, R.J. 9—65853
Ramaiah, G.K. *see* Laura, P.A.A. 9—72849
Ramaker, D.E., Murday, J.S. Factors contributing to the Si $L_{23}VV$, Si $L_1L_{23}V$, and O KVV Auger lineshape in SiO_2 9—83064
Ramaker, D.E., Murday, J.S., Turner, N.H. Extracting Auger lineshapes from experimental data 9—74469
Ramaker, D.E., Murday, J.S., Turner, N.H., Moore, G., Lagally, M.G., Houston, J. Calculated and measured Auger line shapes in SiO_2 9—83067
Ramaker, D.E., Peek, J.M. Formation of vibrationally excited diatomic molecules by stimulated radiative association: Theoretical calculations in H_2^+ 9—100346
Ramakesavan, S. *see* Lardner, R.W. 9—76997
Ramakrishna, B.S. Acoustical design of auditoria and music halls 9—72756
Ramakrishna, J. *see* Shenoy, R.K. 9—80657
Ramakrishna, J. *see* Sridharan, K.R. 9—76446
Ramakrishna, K., Seetharamu, K.N., Sarama, P.K. Turbulent heat transfer by free convection from a rough surface 9—55388
Ramakrishna, M., Babu, S.V. Is rotational energy responsible for a weak bias in diatomic dissociation? 9—100341
Ramakrishna Rao, M., Balachandra, J., Vasu, K.I. Spectral selective properties of black chrome and nickel electrodeposited coatings for solar absorber 9—62036
Ramakrishnaiah, K. *see* Subramanyan, N. 9—70215
Ramakrishnan, C.V. An upwind finite element scheme for the unsteady convective diffusive transport equation 9—97320
Ramakrishnan, J., Hardy, R.J., Kennedy, G.C. The Gruneisen parameter γ of KBr, RbCl and Bi through high pressure phase transitions 9—60467
Ramakrishnan, K.P. *see* Neelakantaswamy, P.S. 9—92421
Ramakrishnan, N., Patil, M.S., Pradhan, D.S. Effect of gamma irradiation on chromosomal proteins from Yoshida ascites tumour chromatin 9—96626
Ramakrishnan, S. *see* Rawer, K. 9—58173
Ramakrishnan, T.V., Yussouff, M. First-principles order-parameter theory of freezing 9—77718
Ramakrishnan, V. *see* Kuriacose, J.C. 9—57437
Ramakumar, R. Prospects for harnessing renewable energy sources in developing countries 9—57351
Ramamoorthy, P., Kocsi, A., Gonzalez, R.D. A new infrared vacuum cell for gas-solid adsorption studies 9—80703
Ramamoorthy, P., Treybal, R.E. Drop coalescence in liquid-liquid fluidized beds 9—50783
Ramamoorthy, P. *see* Madsen, N. 9—77258
Ramamurthy, A.S., Bhaskaran, P. Velocity exponent for erosion and noise due to cavitation 9—77193

Ramamurthy, V., Rajendraprasad, S.B. On the homology of lattice vibrations of rare-gas solids 9—77695
Raman, C.R.V., Rao, Y.P., Subramanian, S.K. Wind shear in monsoon depressions 9—84461
Raman, H. *see* Dattatri, J. 9—100850
Raman, K. *see* Hewitt, E. 9—57453
Raman, P.V. *see* Sundara Raja Iyengar, K.T. 9—98647
Raman, S., Houser, C.A., Walkiewicz, T.A., Towner, I.S. Mixed Fermi and Gamow-Teller β-transitions and isoscalar magnetic moments 9—54407
Raman, S. *see* Fulmer, C.B. 9—93657
Raman, S. *see* McGrory, J.B. 9—93494
Raman, S. *see* Stokstad, R.G. 9—93656
Raman, S. *see* Weigmann, H. 9—89278
Raman, S.Sethu *see* Sethu Raman, S.
Raman, T.R.V. *see* Dedgaonkar, R.P. 9—88939
Raman, V. *see* Mukhopadhyay, P. 9—66061, 9—66062, 9—66109, 9—74156
Raman, Y., Sivaraman, S., Ranade, J.D. Emission of CaO phosphors activated by Eu and Tb 9—52011
Ramana, M.V. *see* Rajagopal, A.K. 9—61118
Ramana Murthy, S., Seshagiri Rao, T. Effect of magnetic field and temperature on the elastic behaviour of cobalt-zinc ferrites 9—87301
Ramana Murty, Bh.V. *see* Selvam, A.M. 9—84519
Ramana Rao, V.V. *see* Prasad, V.B. 9—64779
Ramana Rao, V.V. *see* Vidyanidhi, V. 9—81989
Ramanadhan, M.M. *see* Indira, R. 9—85574
Ramanamurti, M.V., Qayum, A. The electrical double layer at the mercury aqueous solution interface in the presence of adsorbed chlorate, bromate and iodate ions 9—83469
Ramanamurti, M.V. *see* Singh, C.S. 9—56304
Ramanand, A. *see* Ramji Rao, R. 9—51272, 9—51273, 9—69262
Ramanathan, G., Nagpal, J.S., Gangadharan, P. Monitoring of environmental radiation levels using TL photon counting system with $CaSO_4$:Dy phosphor 9—93839
Ramanathan, N., Kennett, T.J., Prestwich, W.V. An experimental investigation of small angle photon elastic scattering 9—49618
Ramanathan, V., Coakley, J.A., Jr. Climate modeling through radiative-convective models 9—74954
Ramanathan, V. *see* Ghazi, A. 9—84368
Ramani, G., Giridhar, A., Singh, A.K., Rao, K.J. Pressure dependence of the resistivity in the amorphous $As_{40}Se_xTe_{60-x}$ system 9—82592
Ramani, G., Singh, A.K. Thermoelectric power of cerium up to 6 GPa 9—51556
Ramani, R. *see* Mani, K.K. 9—77694
Ramaniah, M.V. *see* Manohar, S.B. 9—67789
Ramanovich, S.S. Quadratures for curvilinear domains 9—63006
Ramanujam, P.S. *see* Andresen, B. 9—86060
Ramasamy, S., Kanagasabapathy, V.M., Nagarajan, T. Investigation of d-orbit participation in bonding by positron angular correlation 9—97979
Ramasasstry, C., Syamasundara Rao, Y. A simple method for determining the dielectric constants of solids 9—97403
Ramascuamy, C., Subba Rao, V. Cyclonic systems in the southwest monsoon period moving towards lower latitudes 9—96796
Ramasesha, S., Rao, C.N.R. Models for spin-state transitions in solids 9—56170
Ramasesha, S. *see* Sarode, P.R. 9—78788
Ramaseshan, S. *see* Narayan, R. 9—65028
Ramaseshan, S. *see* Rajagopalan, I. 9—62031
Ramaswami, B., Russell, W.J. Fatigue deformation of Al-Mg single crystals 9—91747
Ramaswami, B. *see* Kupcis, O.A. 9—52225
Ramaswamy, C.R., Puttaswamy, N.G., Betigeri, M.G. Isobaric analogue resonances in ^{71}As through proton elastic scattering on ^{70}Ge 9—75951
Ramaswamy, C.R., Puttaswamy, N.G., Sarma, N. Levels in ^{73}As through the ^{72}Ge(^{3}He,d) reaction 9—54391
Ramaswamy, K., Karunanithi, S., Kalyanaraman, S.B. The use of rotational distortion parameters for the evaluation of force constants in the parametric method 9—76401
Ramaswamy, K., Palaniappan, P.R. Force field study of NCS ion in different alkali-halide lattices by parametric representation method 9—51224
Ramaswamy, K., Sridharan, T., Chandrasekaran, V. Geophysical investigations of ground water at Annamalainagar, Tamilnadu, India 9—92551
Ramaswamy, R., Augustin, S.D., Rabitz, H. Stochastic theory for molecular collisions: application to the CO-He system 9—54944
Ramaswamy, S., Yasskin, P.B. Birkhoff theorem for an $R+R^2$ theory of gravity with torsion 9—71337
Ramaswamy, V. *see* Kaminow, I.P. 9—50381
Ramaswany, K., Prasad, G.K. Atomic potential energy distribution for XYZ and ZY_3Z type molecules 9—72292
Ramat, P. Propagation measurements in circular polarization on a satellite-Earth path through SIRIO experimental satellite 9—84334
Ramaty, R. *see* Crannell, C.J. 9—53779
Ramavataram, K. *see* Rangacharyulu, C. 9—63663, 9—63674
Ramavataram, S. *see* Ewbank, W.B. 9—80862
Ramayya, A.V. *see* de Lima, A.P. 9—54377
Ramayya, A.V. *see* Hamilton, J.H. 9—80865
Ramayya, A.V. *see* Piercey, R.B. 9—54393
Ramazanova, S.M. *see* Nevinnyi, A.V. 9—88261
Rambaut, P.C. *see* Leach, C.S. 9—57779
Rambidi, N.G., Chernoyarskii, A.A., Safarov, G.P., Vasilenko, V.V. Development of the USSR physical-standards base 9—93093
Rambidi, N.G. *see* Bazhanov, V.I. 9—59576
Rambo, A. *see* Aubin, M.J. 9—61352
Rambo, C. *see* Haight, R.C. 9—93859
Ramelot, D., Stolz, C., Luckers, J. Tracer calibration of differential flow-meters used to measure large gas flow-rates 9—68885
Ramendik, G.I. *see* Derzhiev, V.I. 9—64827
Ramer, O.G., Yen, H.W., Marom, E., Barnoski, M.K. Amplitude modulation characteristics of GaAlAs injection lasers 9—50330
Ramer, O.G. *see* Barnoski, M.K. 9—50445, 9—72720
Ramer, O.G. *see* Fields, J.N. 9—50564
Ramer, O.G. *see* Marom, E. 9—59737, 9—59841, 9—76879
Ramer, O.G. *see* Tangonan, G.L. 9—50429
Ramiah, K.V. *see* Ravindranath, K. 9—98246
Ramirez, A.A. *see* Garcia, D.V.G. 9—87927
Ramirez, B.I. *see* Matcha, R.L. 9—94038
Ramirez, C.E. *see* Cho, J.C. 9—78490
Ramirez, J.E. *see* Pennington, W.D. 9—62448
Ramirez, J.J., Prestwich, K.R. Investigations of the radial-electron-beam diode for gas-laser excitation 9—94239
Ramirez, R. *see* Trias, A. 9—86906
Ramirez, R.W. Evaluating fibers digitally 9—94346
Ramji Rao, R., Murthy, J.V.S.S.N. Lattice dynamics and thermal expansion of ruthenium 9—82363
Ramji Rao, R., Murty, J.V.S.S.N. Lattice dynamics and thermal expansion of lutetium 9—86857
Ramji Rao, R., Narayana Murty, J.V.S.S. Second and third order elastic constants of double hexagonal close packed crystal: application to praseodymium and neodymium 9—51189
Ramji Rao, R., Rajput, A. Lattice specific heat and thermal expansion of titanium 9—73318
Ramji Rao, R., Rajput, A. Lattice heat capacity, third-order elastic constants, and thermal expansion of scandium 9—82352
Ramji Rao, R., Ramanand, A. Specific heat and compression curves of erbium 9—51272
Ramji Rao, R., Ramanand, A. Specific heat of holmium and terbium 9—51273
Ramji Rao, R., Ramanand, A. Lattice specific heats of cobalt and ruthenium 9—69262
Ramkrishna, D., Amundson, N.R. Boundary value problems in transport with mixed and oblique derivative boundary conditions. II. Reduction to first order systems 9—68545
Ramkrishna, D., Amundson, N.R. Boundary value problems in transport with mixed or oblique derivative boundary conditions. I. Formulation of equivalent integral equations 9—72778
Ramkrishna, D. *see* Feijoo, L. 9—76949
Ramkrishna, D. *see* Narsimhan, G. 9—77219
Rammal, R., Maynard, R. On the time-dependent specific heat of glasses at low temperatures 9—60520
Rammal, R. *see* Berton, A. 9—87271
Rammo, N.N. *see* Hall, I.H. 9—73108
Rammo, N.R.F., Al-Naser, A.M., Behbehani, A.H., Green, L.L., James, A.N., Sharpey-Schafer, J.F., Sheppard, H.M., Nolan, P.J. Lifetime measurements using γ-γ coincidence techniques following a heavy ion induced fusion evaporation reaction: ^{46}Ti, an example 9—59318
Rammo, N.R.F. *see* Behbehani, A.H. 9—67621, 9—80896
Ramn, O.T.von *see* von Ramn, O.T.
Ramonas, A.A. *see* Podobedova, L.I. 9—63943
Ramond, D. Pressure perturbations in deep convection: an experimental study 9—53457
Ramond, D. *see* Henrion, X. 9—88418
Ramos, A. da S. *see* Cuden, C.B. 9—73634
Ramos, F. *see* Tinaut, D. 9—74496
Ramos, J.J. An analytical local approach to flux-conserving tokamak equilibrium 9—90437
Ramos, J.J. *see* Alvarez-Estrada, R.F. 9—54250
Ramos, J.J. *see* Coppi, B. 9—64845, 9—82084
Ramos, L.F., Matlock, D.K., Krauss, G. On the deformation behavior of dual-phase steels 9—52324
Ramos, S.C. *see* Lopes, J.S. 9—86055
Ramovic, R. *see* Tjapkin, D. 9—56211
Rampino, M.R. Holocene submergence of southern Long Island, New York 9—74881
Ramponi, G., Brossier, P., Fidone, I. Non-thermal emission at the plasma frequency 9—98878
Ramprasad, B.S., Radha, T.S. On the uniformity of film thickness on rotating spherical substrates on a planar work holder 9—65351
Rampton, V.W. *see* Bates, C.A. 9—99756
Rampton, V.W. *see* Hasan, F. 9—65157
Rampton, V.W. *see* Hasan, F.I. 9—82971, 9—87068
Ramsay, D.A., Till, S.M. The magnetic rotation spectrum of formaldehyde: singlet-triplet perturbations in the 4^1 and 4^3 levels of the A^1A_2 state of H_2CO 9—98126
Ramsay, D.A., Wayne, F.D. The electronic absorption spectrum of NHD 9—64013
Ramsay, D.A. *see* Barnett, M. 9—98127
Ramsay, W.D. *see* Al-Ghazi, M.S. 9—54226, 9—57312
Ramsay, W.D. *see* Birchall, J. 9—75995
Ramsayer, K. Investigations of a three dimensional test net 9—79731
Ramsden, D. Whole-body monitoring—the direct determination of radioisotopes within the human body 9—54602
Ramsden, J.A., Moores, B.M., Asbury, D.L. The dose to the patient and the quality of the image in xeromammography 9—100741
Ramsden, J.A. *see* Moores, B.M. 9—88151
Ramsey, J.M., Hieftje, G.M., Haugen, G.R. Time-resolved fluorimetry via a new cross-correlation method 9—79331
Ramsey, J.M., Hieftje, G.M., Haugen, G.R. Wide-bandwidth analog correlator and its application to mode-locked laser measurements 9—88983
Ramsey, J.W. *see* Sparrow, E.M. 9—81884
Ramsey, L.W. Variable mass loss in the metal deficient giant HDE 232078 9—67010
Ramsey, M., III Noninvasive automatic determination of mean arterial pressure 9—57796
Ramsey, N.F. Future experiments on the properties of free neutrons 9—58994
Ramsey, N.F. The tensor force between two protons at long range 9—64067
Ramsey, N.F. *see* Cohen, L.A. 9—59600
Ramsey, R.L. *see* Briarty, L.G. 9—67405
Ramshaw, J.D. Brownian motion in a flowing fluid 9—93043
Ramshaw, J.D. Conjectured singularity loci for the Potts model on the square lattice 9—93049
Ramshaw, J.D. *see* Dukowicz, J.K. 9—72888
Ramstack, J.M., Zuckerman, L., Mockros, L.F. Shear-induced activation of platelets 9—74704
Ramsteiner, F., Theysohn, R. Tensile and impact strengths of unidirectional, short fibre-reinforced thermoplastics 9—91734
Ramusat, G., Vidal, G. Low-cycle fatigue at 450°C at a titanium alloy TA6Zr5D 9—70169
Ramusat, G., Vidal, G. Low-cycle fatigue of six aluminium alloys under applied stress and strain 9—74250
Ramussen, R.A. *see* Saunders, W.D. 9—79430
Ramzan, F. *see* Armenise, N. 9—67533
Rana, N.C. *see* Narlikar, J.V. 9—80380
Rana, V.D. *see* Gupta, S.K. 9—59929
Ranachowski, J. Investigation of certain properties of ceramic materials by ultrasonic methods 9—52565
Ranada, A.F., Ranada, M.F. The Stern-Gerlach quantum-like behaviour of a classical charged particle 9—85913
Ranada, M.F. *see* Ranada, A.F. 9—85913
Ranade, J.D. *see* Raman, Y. 9—52011
Ranade, J.D. *see* Shrivastava, S.K. 9—78617
Ranade, P.V., Harrison, D.P. The grain model applied to porous solids with varying structural properties 9—70297
Ranade, S.N. *see* Dedgaonkar, R.P. 9—88939
Ranadive, A.Y., Lemlich, R. The effect of initial bubble size distribution on the interbubble gas diffusion in foam 9—79304
Ranaudo, S. *see* Ferrini, F. 9—82011
Ranc, G. *see* Vautier, C. 9—87176
Rancan, E. *see* Coisson, R. 9—62978
Rance, D.G., Zichy, E.L. The origin of charge on nascent poly(vinyl chloride) particles in monomer 9—79251
Ranchet, J. The point about transmissions by fibre optics 9—68448
Rancitelli, L.A. *see* Fireman, E.L. 9—88631
Rand, B. *see* Collett, G.W. 9—90205
Rand, M.J. Plasma-promoted deposition of thin inorganic films 9—78896
Rand, R.E. *see* Lyneis, C.M. 9—72065
Rand, R.H. *see* Johnston, T.L. 9—72837
Rand, R.P., Fuller, N.L., Lis, L.J. Myelin swelling and measurement of forces between myelin membranes 9—62204
Rand, S.C., Rao, B.S., Enright, G.D., Stoicheff, B.P. Pockels coefficients for rare-gas crystals 9—73962
Rand, S.C. *see* DeVoe, R.G. 9—64290
Randa, J. Axis of jet fragmentation 9—93350
Randa, J., Shaw, G. Decay of $q\bar{q}$ states with large mass in two-dimensional quantum chromodynamics 9—89126
Randa, Z., Kuncir, J., Benada, J., Vobecky, M. Multielement standards in routine reactor neutron activation analysis 9—57332
Randall, C.W., Grizzard, T.J., Hoehn, R.C. Effect of upstream control on a water supply reservoir 9—57508

Randall, K.R., Mitchell, J.W., El-Wakil, M.M. Natural convection heat transfer characteristics of flat plate enclosures 9—76944
Randazzo, A.F., Hickey, E.W. Dolomitization in the Floridan Aquifer 9—53346
Randegger, A. *see* Kunzi, K.F. 9—84551
Randegger, J.R. *see* Marano, G.A. 9—97391
Rander, J. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Rander, J. *see* Erhan, S. 9—49550, 9—89206
Rander, J. *see* Groot, J.G.H. 9—93395
Rander, J. *see* Lockman, W. 9—89205
Randhawa, H.S. *see* Banerjee, A. 9—79397
Randhawa, J. *see* Izquierdo, M. 9—58079
Randic, M., Brissey, G.M., Spencer, R.B., Wilkins, C.L. Search for all self-avoiding paths for molecular graphs 9—59336
Randic, M., Wilkins, C.L. Graph-based fragment searches in polycyclic structures 9—50156
Randic, M., Wilkins, C.L. Graph theoretical approach to recognition of structural similarity in molecules 9—50157
Randic, M., Wilkins, C.L. On a graph theoretical basis for ordering of structures 9—59326
Randic, M. *see* Gutman, I. 9—89582
Randklev, E.H. Radial distribution of retained fission gas in irradiated mixed-oxide fuel 9—59188
Randklev, E.H. *see* Baldwin, D.L. 9—54477
Randl, R. *see* Breest, H.Ch. 9—85809
Randles, M.H. Liquid phase epitaxial growth of magnetic garnets 9—70009
Randolph, P.D., Appelhans, T.D., King, J.J., Mandler, J.W., Killian, E.W., Coates, R.A. Measured fission product release during a power cooling mismatch-induced failure 9—93772
Randrup, J. *see* Knoll, J. 9—93598
Ranea Sandoval, H.F., Tocho, J.O., Gallardo, M., Garavaglia, M. Spectroscopic analysis of the transverse excited $C^3\Pi_u$-$B^3\Pi_g$ (0-0) UV laser band of N_2 at room temperature: comments 9—76671
Ranga Prasad, T., Satyanarayana Murthy, K., Iyengar, L., Krishna Rao, K.V. Pressure induced phase transition in mercurous chloride 9—69242
Rangacharyulu, C., Aoki, Y., Yagi, K., Matoba, M., Hyakutake, M. ^{119,117}Sn(p,t) reactions at 52 MeV 9—89307
Rangacharyulu, C., Szoghy, I.M., St-Pierre, C., Ramavataram, K. $g_{9/2}$ isobaric analogue resonances in ^{64,66}Zn(p,γ) reactions 9—63663
Rangacharyulu, C., Szoghy, I.M., St-Pierre, C., Ramavataram, K. Gamma decay of $g_{9/2}$ isobaric analog resonance in ^{57}Co 9—63674
Rangacharyulu, M.A.V. Some comments on 'Stability of forced periodic response in third order non-linear systems' 9—81762
Rangan, B.V., Hall, A.S. Studies on prestressed concrete hollow beams in combined torsion and bending 9—96087
Ranganath, G.S. Interaction between surface and bulk disclinations in nematic liquid crystals 9—86694
Ranganathaiah, C., Gowda, R., Sanjeevaiah, B. K-shell photoionisation cross sections for 514, 661.6, 765.8 and 1115.5 keV gamma rays 9—72285
Ranganathan, N., Petit, J., Bouchet, B. A contribution to the study of fatigue crack retardation in vacuum 9—79069
Ranganathan, S., Yip, S. Density fluctuations in a dilute gas of Lennard-Jones molecules 9—99044
Rangaraj, M.R. *see* Murthy, I.S.N. 9—70657, 9—74768
Rangarajan, G.K., Rao, K.N. Periodicity in rainfall at Madras 9—84426
Rangarajan, L.M., Sunita Singh, Katti, V.R., Ghatpande, M.G. Improved version of an electron optical demountable system to study image tube designs 9—81575
Rangarajan, S., Desikan, V. Wind power as a supplement to solar power in India 9—61942
Rangaswamy, T.N., Gurtu, A., Malhotra, P.K., Raghavan, R., Subramanian, A., Sudhakar, K., Chapman, G.J., Klein, A.G., Mason, G.C., Opat, G.I., Tovey, S.N., Wignall, J.W.G. A search for direct electron production in pp interactions at 2.0 GeV/c 9—54351
Range, W.H. *see* Armstrong, T.A. 9—85344
Range, W.H. *see* Bussey, P.J. 9—75778, 9—80829
Rangel, C. *see* Barboza, M. 9—94684
Rangel-Nafaile, C. *see* Metzner, A.B. 9—60032
Ranger, K.B. *see* O'Neill, M.E. 9—86494
Rangnekar, S.S. *see* Enns, R.H. 9—86209
Rangno, A.L. *see* Hobbs, P.V. 9—79949
Rani, R., Nigam, A.N. Thermoelectric and Hall effect studies in a hydrogenated foil of nickel 9—65559
Ranieri, V.A. *see* Gangulee, A. 9—77936
Ranjard, F. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Ranjard, F. *see* Groot, J.G.H. 9—93395
Rank, D.M. *see* Lester, D.F. 9—53870
Rank, E.X., Theus, R.B. Neutron dosimetry with CaF_2:Tm 9—49867
Rankin, D.S. *see* Hyndman, R.D. 9—100819
Rankin, D.T. *see* Ott, W.R. 9—79137
Rankin, J., Thorson, W.R. Continuum wave functions for the two-center, one-electron system 9—93915
Rankin, J. *see* Weisberg, J.M. 9—92792
Rankin, J.E. *see* Tallerico, P.J. 9—68100
Rankin, M. *see* Bobb, L.C. 9—64673
Rankin, W.J. Silica solubility and the activity of MnO in MnO-SiO_2 slags 9—52184
Rannacher, R. Finite element approximation of simply supported plates and the Babuska paradox 9—81720
Ranninger, J. *see* Castellani, C. 9—61033
Ranninger, M.C.Navarro *see* Navarro Ranninger, M.C.
Ran'shikov, V.P. *see* Thek-De, I. 9—89959
Ranson, P. *see* Laporte, J.L. 9—61427
Ranson-Bitker, B. *see* Fournier, P. 9—88103
Ransone, G. *see* Deutschmann, M. 9—85345
Ranta, H. *see* Untiedt, J. 9—66888
Rantala, B. *see* Ahola, H. 9—63212
Rantanen, J. *see* Bock, H. 9—81132
Rantavuori, E. *see* Ahopelto, J. 9—85922
Ranvaud, R., Trebin, H.-R., Rossler, U., Pollak, F.H. Quantum resonances in the valence band of zinc-blende semiconductors. II. Results for p-InSb under uniaxial stress 9—99481
Ranvaud, R. *see* Trebin, H.-R. 9—99480
Ranyuk, Yu.N. *see* Get'man, V.A. 9—63487
Ranz, W.E. Applications of a stretch model to mixing, diffusion, and reaction in laminar and turbulent flows 9—94736
Rao, A.A.Swamy *see* Swamy Rao, A.A.
Rao, A.L.J., Brar, B.S., Veerraju, B. Amperometric determination of silver, mercury and lead using thioxanthate 9—57326
Rao, A.Madhusudhana *see* Madhusudhana Rao, A.
Rao, A.Srinivasa *see* Srinivasa Rao, A.
Rao, A.Srivivasa *see* Srivivasa Rao, A.
Rao, A.U., Phasad, B., Kundra, M.D. Diurnal variation of rain and low cloud over Ozar airfield during July and August 9—100904
Rao, A.Venkateswara *see* Venkateswara Rao, A.
Rao, A.V.Gopala *see* Gopala Rao, A.V.
Rao, B.C.Syamala *see* Syamala Rao, B.C.
Rao, B.K., Mandal, S.S., Tripathy, D.N. Study of the dynamic structure factor of an electron liquid 9—78023
Rao, B.K. *see* Tripathy, D.N. 9—56157
Rao, B.M.L. *see* Chianelli, R.R. 9—100394
Rao, B.Ramachandra *see* Ramachandra Rao, B.
Rao, B.S. *see* Murthy, M.S.S. 9—96518
Rao, B.S. *see* Rand, S.C. 9—73962
Rao, B.S. *see* Subrahmanyam, P. 9—88139
Rao, B.S.R. *see* Singhal, A.K. 9—98621
Rao, B.S.Ramachandra *see* Ramachandra Rao, B.S.
Rao, B.Vasudeva *see* Vasudeva Rao, B.
Rao, B.V.Narasimha *see* Narasimha Rao, B.V.
Rao, B.V.Subba *see* Subba Rao, B.V.
Rao, C.N.R., Sarma, D.D., Vasudevan, S., Hegde, M.S. Study of transition metal oxides by photoelectron spectroscopy 9—78839
Rao, C.N.R. *see* Madhusudan, W.H. 9—56885
Rao, C.N.R. *see* Ramasesha, S. 9—56170
Rao, C.N.R. *see* Sarode, P.R. 9—78788
Rao, C.N.R. *see* Vasudevan, S. 9—64956, 9—91565, 9—100014
Rao, C.Rama Mohan *see* Rama Mohan Rao, C.
Rao, C.V.Hari *see* Hari Rao, C.V.
Rao, C.V.Prasada *see* Prasada Rao, C.V.
Rao, C.V.V.S. *see* Thiruvergadathan, A. 9—96795
Rao, D.A.V.Krishna *see* Krishna Rao, D.A.V.
Rao, D.Bhogeswara *see* Bhogeswara Rao, D.
Rao, D.P., Muralikrishna, M., Sudhakar, K., Soin, R.S. Solar water pump 9—70440
Rao, D.P. *see* Soin, R.S. 9—62052, 9—70441
Rao, D.R. *see* Rao, R.P. 9—61446
Rao, D.Ramachandra *see* Ramachandra Rao, D.
Rao, D.R.K. On some features of Pc 5 pulsations at Choutuppal (Hyderabad), India 9—66885
Rao, D.R.K. *see* Sastri, N.S. 9—84091
Rao, D.V.K. *see* Savithry, T. 9—81210
Rao, E.Bhagiratha *see* Bhagiratha Rao, E.
Rao, G.Hanumantha *see* Hanumantha Rao, G.
Rao, G.N. Table of hyperfine fields for impurities in Fe, Co, Ni and Gd 9—99518
Rao, G.R. *see* Taras, P. 9—59045
Rao, G.Romakniskna *see* Romakniskna Rao, G.
Rao, G.S.Prakasha *see* Prakasha Rao, G.S.
Rao, G.U.V., Fatouros, P.P. Quantum fluctuations in radiographic screen-film systems 9—58857
Rao, G.U.V., Fatouros, P.P. Evaluation of a new X-ray film with reduced crossover 9—70621
Rao, G.V. *see* Gopal, R. 9—89488
Rao, G.V.Subba *see* Subba Rao, G.V.
Rao, J.Lakshmana *see* Lakshmana Rao, J.
Rao, J.R. *see* Rao, P.P. 9—97278
Rao, J.S. *see* Swaminadham, M. 9—81824
Rao, J.V.Jaganmohana *see* Jaganmohana Rao, J.V.
Rao, K.J. *see* Giridhar, A. 9—87172
Rao, K.J. *see* Narasimham, P.S.L. 9—51990
Rao, K.J. *see* Ramani, G. 9—82592
Rao, K.N. *see* Moorthy, P.N. 9—53048
Rao, K.N. *see* Panajkar, M.S. 9—74383
Rao, K.N. *see* Rangarajan, G.K. 9—84426
Rao, K.Narahari *see* Narahari Rao, K.
Rao, K.P. *see* Mondal, P.K. 9—89845
Rao, K.P. *see* Visvanatham, S. 9—55067
Rao, K.Prabhakar *see* Prabhakar Rao, K.
Rao, K.R., Lim, B.P. Solar energy availability at Singapore 9—57403
Rao, K.R.P.M. *see* Jaggi, N.K. 9—78577
Rao, K.S. *see* Handa, S.K. 9—62086
Rao, K.S. *see* Soin, R.S. 9—62052, 9—70441
Rao, K.Sangameswar *see* Sangameswar Rao, K.
Rao, K.Singa *see* Singa Rao, K.
Rao, K.Srinivasa *see* Srinivasa Rao, K.
Rao, K.Subba *see* Subba Rao, K.
Rao, K.Suryanarayana *see* Suryanarayana Rao, K.
Rao, K.V., Gudmundsson, H., Astrom, H.U., Chen, H.S. Influence of metal-metalloid elements on the electrical resistance of amorphous materials 9—73483
Rao, K.V., Subrahmanyam, A., Gupta, A.K. Dielectric properties and short-range interaction polarization of CsBr single crystals 9—99814
Rao, K.V. *see* Astrom, H.U. 9—61156
Rao, K.V. *see* Bhagat, S.M. 9—73818
Rao, K.V. *see* Gudmundsson, H. 9—60784
Rao, K.V. *see* Gupta, A.K. 9—56720
Rao, K.V. *see* Hedman, L.E. 9—61079
Rao, K.V. *see* Ingalls, R. 9—56642
Rao, K.V. *see* Johannesson, Ch. 9—78071
Rao, K.V. *see* Liu, C.M. 9—73860
Rao, K.V. *see* Malmhall, R. 9—91013
Rao, K.V. *see* Patel, A.R. 9—52103
Rao, K.V. *see* Subrahmanyam, A. 9—65910, 9—78603, 9—99956
Rao, K.Venkateswara *see* Venkateswara Rao, K.
Rao, K.V.Krishna *see* Krishna Rao, K.V.
Rao, K.V.Rama *see* Rama Rao, K.V.
Rao, K.V.S.Rama *see* Rama Rao, K.V.S.
Rao, M., Berne, B.J. On the force bias Monte Carlo simulation of simple liquids 9—86666
Rao, M., Pangali, C., Berne, B.J. On the force bias Monte Carlo simulation of water: methodology, optimization and comparison with molecular dynamics 9—77487
Rao, M. *see* Fernandez, A.M. 9—94971
Rao, M.K. *see* Jawalekar, S.R. 9—95442
Rao, M.N., Massolo, C.P., Fortier, S., Maison, J.M. Nuclear structure of ^{94}Tc 9—89239
Rao, M.N. *see* Goswami, J.N. 9—88608
Rao, M.N. *see* Mariscotti, M.A.J. 9—54380
Rao, M.Nalinimohan *see* Nalinimohan Rao, M.
Rao, M.Narasimha *see* Narasimha Rao, M.
Rao, M.N.Bapu *see* Bapu Rao, M.N.
Rao, M.N.Mohan *see* Mohan Rao, M.N.
Rao, M.N.Sudheendra *see* Sudheendra Rao, M.N.
Rao, M.Ramakrishna *see* Ramakrishna Rao, M.
Rao, M.Srinivasa *see* Srinivasa Rao, M.
Rao, M.Srirama *see* Srirama Rao, M.
Rao, M.S.M. *see* Narayanan, T.V. 9—66410
Rao, M.V.K.Appa *see* Appa Rao, M.V.K.
Rao, N.Bhaskara *see* Bhaskara Rao, N.
Rao, N.K., Gupta, S.C., Singh, T.Y., Prakash, Y. Re-appraisal of neutron to proton ratio on the surface of nuclei 9—76024
Rao, N.K. *see* Daftari, I.K. 9—89302
Rao, N.Kondal *see* Kondal Rao, N.
Rao, N.Rajeswar *see* Rajeswar Rao, N.
Rao, N.Rajeswara *see* Rajeswara Rao, N.
Rao, N.S.Lakshmana *see* Lakshmana Rao, N.S.
Rao, P.Bhaskara *see* Bhaskara Rao, P.
Rao, P.K. *see* Dixit, P.S. 9—84627
Rao, P.N.Rama *see* Rama Rao, P.N.
Rao, P.P., Tiwari, R.N. A class of static Weyl solutions for the Brans-Dicke Maxwell fields 9—85033
Rao, P.P., Tiwari, R.N., Rao, J.R. A class of stationary Brans-Dicke vacuum fields 9—97278
Rao, P.P. *see* Tiwari, R.N. 9—49138
Rao, P.R.Vasudeva *see* Vasudeva Rao, P.R.
Rao, P.S. *see* Ort, M.G. 9—62349
Rao, P.S.C., Davidson, J.M. Adsorption and movement of selected pesticides at high concentration in soils 9—92097
Rao, P.T. *see* Savithry, T. 9—81210
Rao, P.Veerabhadra *see* Veerabhadra Rao, P.
Rao, P.Venkateswara *see* Venkateswara Rao, P.
Rao, P.Venugopala *see* Venugopala Rao, P.
Rao, R. *see* Bender, D.J. 9—76124
Rao, R.A. *see* Kocot, K. 9—69465
Rao, R.P., Rao, D.R. Effect of grain size on TL yield of polycrystalline BaS:Bi phosphors 9—61446
Rao, R.P. *see* Agarwal, S.K. 9—92394
Rao, R.Ramji *see* Ramji Rao, R.
Rao, R.S., Majumdar, C.K., Singh, R.P. Electronic energy bands in β-cerium 9—95317
Rao, R.V.Gopala *see* Gopala Rao, R.V.
Rao, S. *see* Bender, D.J. 9—76124
Rao, S.Ananda *see* Ananda Rao, S.
Rao, S.K.Lakshmana *see* Lakshmana Rao, S.K.
Rao, S.M., Glisson, A.W., Wilton, D.R., Vidula, B.S. A simple numerical solution procedure for statics problems involving arbitrary-shaped surfaces 9—89825
Rao, S.P., Singh, S.R., Bandakavi, S.R. Formal redox potentials of ferricyanide ferrocyanide couple in certain non-aqueous water mixtures 9—52654
Rao, S.P.Mallikarjun *see* Mallikarjun Rao, S.P.
Rao, S.S., Raghavan, K.S. Dynamic response of inelastic thick plates 9—94520

Rao, S.S. *see* Oliver, D.R. 9—94584
Rao, S.V.Seshagiri *see* Seshagiri Rao, S.V.
Rao, T.L.Sitharama *see* Sitharama Rao, T.L.
Rao, T.Seshagiri *see* Seshagiri Rao, T.
Rao, T.V., Chopra, K.L. The effect of doping on chain vibrations in metal-doped polyvinyl chloride films 9—95868
Rao, T.V.Kameswara *see* Kameswara Rao, T.V.
Rao, T.V.Lakshmana *see* Lakshmana Rao, T.V.
Rao, U.J. *see* Uberoi, C. 9—60731
Rao, U.R. The 'Aryabhata' project. An overview of the 'Aryabhata' project 9—58218
Rao, U.R., Kasturirangan, K., Jain, Y.K., Batra, A., Jayaraman, V., Ganage, R.A., Sharma, D.P., Radha, M.S. The Aryabhata satellite project: the X-ray astronomy experiment 9—84638
Rao, U.R., Sreekantan, B.V. Bhaskara 9—70943
Rao, U.V.Subba *see* Subba Rao, U.V.
Rao, V.B., Houska, C.R. Kinetics of the phase transformation in a Ti-15Mo-5Zr-3Al alloy as studied by X-ray diffraction 9—56960
Rao, V.Dhananjaya *see* Dhananjaya Rao, V.
Rao, V.K., Bhargava, V.K., Marathe, S.G., Sahakundu, S.M., Iyer, R.H. Shoulders in the very asymmetric mass distribution for reactor-neutron-induced fission of ^{238}U 9—59005
Rao, V.K. *see* Bhargava, V.K. 9—67785
Rao, V.K. *see* Marathe, S.G. 9—49642
Rao, V.Rama Mohan *see* Rama Mohan Rao, V.
Rao, V.Seshagiri *see* Seshagiri Rao, V.
Rao, V.Subba *see* Subba Rao, V.
Rao, V.U.S., Huggins, F.E., Huffman, G.P. Study of Fe-rich superparamagnetic clusters in olivine, $(Mg,Fe)_2SiO_4$ by Mossbauer spectroscopy 9—82831
Rao, V.U.S. *see* Gupta, N. 9—82822
Rao, V.U.S. *see* Martis, R.J.J. 9—51814
Rao, V.U.S. *see* Obermyer, R. 9—78342
Rao, V.V.Ramana *see* Ramana Rao, V.V.
Rao, Y.K. Mechanism and the intrinsic rates of reduction of metallic oxides 9—83153
Rao, Y.K., El-Rahaiby, S.K., Al-Kahtany, M.M. Discussion of 'the law of additive reaction times in fluid-solid reactions' 9—83452
Rao, Y.K. *see* El-Rahaiby, S.K. 9—83154
Rao, Y.L., Mande, C. K X-ray absorption discontinuity in crystalline and amorphous selenium 9—61467
Rao, Y.P. *see* Raman, C.R.V. 9—84461
Rao, Y.Syamasundara *see* Syamasundara Rao, Y.
Rao, Y.V.Chalapati *see* Chalapati Rao, Y.V.
Rao, Y.V.Rama *see* Rama Rao, Y.V.
Rao, Y.V.Subba *see* Subba Rao, Y.V.
Rao Gandikota V. *see* Gandikota V. Rao
Rao Kaza, B. *see* Bhushan, S. 9—83024
Rao Vupputuri, R.Krishna *see* Krishna Rao Vupputuri, R.
Raoul, J.C. *see* Fujisaki, M. 9—49542, 9—63521
Raoult, A., Lantos, P., Furst, E. Prominences at centimetric and millimetric wavelengths. I. Size and spectrum of the radio filaments 9—66988
Raoult, F., Fortin, B., Dang Tran Quan, Baron, A. Stabilisation of thin CdSe films by heat treatment in vacuum 9—95532
Raoux, D. *see* Fontaine, A. 9—99981
Raoux, D. *see* Labhart, M. 9—95630
Rapacioli, R., Ahlers, M. The influence of short-range disorder on the martensitic transformation in Cu-Zn and Cu-Zn-Al alloys 9—61586
Rapaport, D.C., Havlin, S. Longitudinal and transverse properties of KD_2PO_4—a Monte Carlo study 9—51912
Rapaport, J. *see* Finlay, R.W. 9—67642
Rapaport, J. *see* Goodman, C.D. 9—54738
Rapeanu, S. *see* Padureanu, I. 9—60262
Raphael, L.J. *see* Dorman, M.F. 9—81650
Rapidis, P.A., Feldman, G.J., Abrams, G.S., Alam, M.S., Barbaro-Galtieri, A., Boyarski, A.M., Breidenbach, M., Chinowsky, W., Dorfan, J.M., Ely, R., Feller, J.M., Fong, A., Gobbi, B., Goldhaber, G., Hanson, G., Jaros, J.A., Kadyk, J.A., Kwan, B.P., Larsen, R.R., Lecomte, P., Litke, A.M., Luke, D., Luth, V., Madaras, R.J., Martin, J.F., Miller, D.H., Parker, S.I., Paterson, J.M., Perl, M.L., Peruzzi, I., Piccolo, M., Pun, T.P., Richter, B., Ronan, M.T., Ross, R.R., Scharre, D.L., Schindler, R.H., Siegrist, J., Trippe, T.G., Vuillemin, V., Wiss, J.E., Yount, D.E. Inclusive production of D-mesons in e^+e^- annihilation at 7 GeV 9—75780
Rapidis, P.A. *see* Piccolo, M. 9—93439
Rapin, D. *see* Besset, D. 9—63503, 9—67593
Rapolla, A. *see* Gasparini, P. 9—53330
Rapoport, A.Ya. *see* Akopyan, A.R. 9—58693
Rapoport, D.A. A solution of the two-dimensional problem for thermal inspection of the quality of multilayer parts 9—70283
Rapoport, D.A., Potapov, A.I. Thermal inspection of polymer materials by the one-side method 9—52604
Rapoport, D.A. *see* Storozhenko, V.A. 9—52606
Rapoport, E.A., Konikova, A.S. Radiotracer studies on protein metabolism in different focuses of growth in vivo 9—88062
Rapoport, E.Ya. Exact method for problems involving optimization of nonstationary heat conducting processes 9—81686
Rapoport, I., Cousin, A.J. A pilot clinical PEP monitor 9—74732
Rapoport, I.D. *see* Somogy, A. 9—80173
Rapoport, L.P. *see* Agre, M.Ya. 9—93329, 9—94078
Rapoport, V.O. *see* Abranin, E.P. 9—75195
Rapoport, Yu.M., Kheifets, A.S. Increasing the measuring accuracy of propagation time for ultrasonic vibrations with the UK-10P instrument 9—96277
Rapoport, Yu.M., Korotkina, D.Sh., Tabakova, L.V. A rolling ultrasonic low-frequency probe 9—98582
Rapp, O., Grindborg, J.E. Low-temperature electrical resistance of disordered $(Fe_{1-x}Ni_x)_{75}P_{16}B_6Al_3$ alloys 9—56183
Rapp, O. *see* Sundqvist, B. 9—95106
Rapp, R.A. *see* Shatynski, S.R. 9—77841
Rapp, R.E., de Souza, E.P., Lerner, E. Low temperature specific heat of exfoliated graphite 9—73317
Rapp, R.E. *see* de Souza, E.P. 9—58695
Rappaport, M.L. *see* Deutscher, G. 9—56365, 9—65626, 9—78246
Rappaport, S. *see* Zehnpfennig, T.F. 9—75576
Rappaport, S.A. *see* Joss, P.C. 9—62867
Rappaport, S.M., Morales, R. Air-sampling and analytical method for 4,4′-methylenebis(2-chloroaniline) 9—79420
Rappoport, V.M. *see* Atenelashvili, M.I. 9—84626
Raptopoulos, V., Schellinger, D. Imaging of the pancreas with computed tomography 9—88210
Rapuano, F. Massive lepton pair production in meson-nucleon collisions 9—63532
Rapuano, F. *see* Lusignoli, M. 9—80819
Rarenko, I.M. *see* Freik, D.M. 9—68974
Raridon, D. *see* Spencer, B.W. 9—85669
Rasala, D. *see* Czarny, Z. 9—70098
Rasch, K.-D., Roy, K. Analysis of thin silicon solar cell structures 9—96452
Rasch, R.A. Synchronization in performed ensemble music 9—98568
Rascher, R. *see* Hellmeister, H.P. 9—80863
Raschke, E. *see* Jung, H.J. 9—53520
Raschke, E. *see* Kerschgens, M. 9—58090
Raseev, G. *see* Robbe, J.M. 9—59369
Rasey, J.S., Nelson, N.J., Carpenter, R.E. Recovery from potentially lethal damage following irradiation with X-rays or cyclotron neutrons. I. Response of EMT-6 cells in vitro 9—62308
Rashba, E.I. Combined resonance in semiconductors 9—61229
Rashba, E.I. *see* Meshkov, S.V. 9—87507
Rashchupkin, V.I., Aptekar', I.L., Tonkov, E.Yu. T-p-X diagram of the SmS-GdS system 9—69421
Rashchupkin, V.I. *see* Antonov, V.E. 9—91018
Rashed, M.I.I., El-Taher, R.M., Ghazy, M.A. Experimental investigation of the effect of surface discontinuity on step-backward flow 9—77078
Rashev, S., Plotnikov, V.G. Effect of n-electron delocalization on spin-orbit coupling of $n\pi^*$- and $\pi\pi^*$-states 9—63902
Rashev, Ts., Kamenova, Ts., Dafinova, R., Nenchev, N., Andreev, C., Manchev, M. Analysis of non-metallic inclusions in chrome-manganese steels of increased nitrogen content 9—82259
Rashev, Ts.V., Ivanov, R.P., Sar'ivanov, L.A. Equipment for determining the solubility of nitrogen in liquid metals under pressure by the droplet-weighing method 9—86889
Rashid, M.A. Traces of products of angular momentum operators 9—75382
Rashid, M.A. Boost matrix elements of the homogeneous Lorentz group 9—92975
Rashkov, St. *see* Stoychev, D.S. 9—66220, 9—66221
Rashkovich, L.N., Meteva, K.B. Properties of cesium dihydrophosphate 9—56746
Rashkovich, L.N. *see* Evlanova, N.F. 9—61322
Rashleigh, S.C., Ulrich, R. Magneto-optic current sensing with birefringent fibers 9—75544
Rasigni, G. *see* Rasigni, M. 9—69450
Rasigni, M., Rasigni, G. Surface structure autocorrelation functions and their Fourier transforms for rough deposits of magnesium 9—69450
Raskina, R.I. *see* Novikov, I.I. 9—51282
Raskostov, V.N., Kosilov, N.S., Popel', P.S., Tyagunov, G.V., Borovskii, O.B., Merkulov, E.N. Automatic device for measuring the density of solid and liquid metals over a wide range of temperatures by means of the transmitted γ radiation 9—87787
Raskovic, V., Marinkovic, S. Processes in sulfur dioxide treatment of PAN fibers 9—52403
Rasmussen, F.B. *see* Hauschultz, M. 9—60816
Rasmussen, G.T., Isenhour, T.L. Library retrieval of infrared spectra based on detailed intensity information 9—96380
Rasmussen, G.T. *see* Small, G.W. 9—100458
Rasmussen, J.J. *see* Sugai, H. 9—86575
Rasmussen, J.Juul *see* Juul Rasmussen, J.
Rasmussen, J.O. *see* Landau, R.H. 9—85487
Rasmussen, J.O. *see* Neese, R.E. 9—85362
Rasmussen, J.O. *see* Siemens, P.J. 9—49592
Rasmussen, J.O. *see* Van Bibber, K. 9—97723
Rasmussen, L.A. On the approximation of saturation vapor pressure 9—70862
Rasmussen, L.A. *see* Chi-Hai Ling 9—53553
Rasmussen, P. *see* Fredenslund, A. 9—90797
Rasmussen, P. *see* Sorensen, J.M. 9—51248
Rasmussen, P. *see* Van Ness, H.C. 9—51244
Rasmussen, R.A. Interlaboratory comparison of fluorocarbon measurements 9—70483
Rasmussen, S.E., Hazell, R.G. Structure and order parameter of an A15-type niobium germanium single crystal 9—77552
Rasmussen, S.E. *see* Jorgensen, J.-E. 9—74084
Rasmussen, W.O., Salamo, S. An algebraic approach to Coulomb scattering in N dimensions 9—75386
Rasneur, J., Marion, F. Variations of electrical properties of scandium sulphides at high temperatures 9—82649
Rasolt, M., Malmstrom, G., Geldart, D.J.W. Exchange contribution to the surface energy of an arbitrary fermion system within the infinite barrier model 9—85067
Rasor, N.S. *see* Tickner, E.G. 9—92313
Rasotti, G., Ricci, M.V., Sachetti, N., Spadoni, M. A preliminary design for the toroidal magnet system for the demonstration fusion reactor FINTOR-D 9—67953
Raspopin, S.P. *see* Alekseenko, N.N. 9—70006
Raspopov, O.M. *see* Buloshnikov, A.M. 9—53659
Raspopov, V.Ya. Movement of gyroscope when rotor is speeded up by flexible coupling 9—97376
Rassadin, B.V. *see* Iogansen, A.V. 9—54856
Rassas, M.M. *see* Malik, M.A.S. 9—62144
Rasshchupkin, V.I., Sekundov, A.N. Experimental and theoretical study of temperature fluctuations in the wake of a linear heat source 9—77118
Rasshchupkin, V.I. *see* Kuznetsov, V.R. 9—68711
Rassias, S. *see* Carley, A.F. 9—77922
Rasskazov, A.O., Dekhtyar', A.S., Rublev, V.S. Optimum design of multilayer plates 9—87698
Rassokhin, G.I. Device for testing polymer materials under hydrostatic pressure under anisotropic conditions 9—87783
Rastall, P. The Newtonian theory of gravitation and its generalization 9—80485
Rastelli, E., Lindgard, P.-A. Exact results for spin-wave renormalisation in Heisenberg, and planar ferromagnets 9—69660
Rastelli, E., Tassi, A., Reatto, L. Non-simple magnetic order for simple Hamiltonians 9—87273
Rastogi, B.K., Singh, D.D. Source parameters of the Burma-India border earthquake of July 29, 1970 from body waves 9—66649
Rastogi, B.K. *see* Singh, D.D. 9—66667
Rastogi, P.K. Effect of vanadium on the magnetic properties of Al-killed low carbon steel 9—83339
Rastogi, P.K. *see* Jacquot, P. 9—76590
Rastogi, P.K. *see* Rottger, J. 9—100895
Rastogi, R.G., Chandra, H., Singhal, K.P., Rai, R.K., Janve, A.V., Kumar, V. Simultaneous investigation of ionospheric E-region irregularities at two low-latitude stations by spaced receiver technique 9—53633
Rastogi, R.G., Kroehl, H.W. Interplanetary magnetic field and equatorial ionosphere 9—84572
Rastogi, R.G., Sethia, G., Chandra, H., Deshpande, M.R., Davies, K., Murthy, B.S. Total electron content and F-region electron density distribution near the magnetic equator in India 9—75028
Rastogi, R.G., Vyas, G.D., Chandra, H., Devanathan, S.N. Ionospheric E-region drift measurements at Tiruchirapalli 9—53638
Rastogi, R.G. *see* Chandra, H. 9—88543
Rastogi, R.G. *see* Iyer, K.N. 9—53634, 9—53636
Rastogi, R.G. *see* Jain, A.R. 9—84576, 9—88539
Rastogi, R.G. *see* Patel, V.P. 9—53637
Rastogi, R.G. *see* Sethia, G. 9—88531, 9—88533, 9—101006
Rastogi, R.G. *see* Vyas, G.D. 9—53639, 9—84580
Rastogi, R.P., Rai, A.P. Thermoosmosis of gaseous mixtures. IV. Thermoosmotic concentration difference 9—83508
Rastorguev, A.I. *see* Ivanov, V.P. 9—93251
Rastrenenko, N.A. *see* Vlasenko, N.A. 9—71510
Rasulov, D.T. *see* Azimov, S.A. 9—95440
Rasulov, F.N. *see* Baksht, F.G. 9—77430, 9—77431
Rasulov, S.M., Medzhidov, R.A. Enthalpy and heat capacity of lead selenide in the temperature interval 300-1480K 9—60523
Rasulova, G.K. *see* Akimchenko, I.P. 9—78093
Ratajski, A. *see* Bommeli, B. 9—91366
Ratanov, G.S. *see* Arkhipov, V.A. 9—68768
Ratcliff, K.F. *see* Tavel, J.F. 9—99470
Ratcliffe, C.I. *see* Beckmann, P. 9—78553
Ratel, G., Meyer, V., Muller, H.H., Reichart, W., Schober, P., Jasicek, H., Oberhummer, H., Riehs, P., Wagner, R. Analysing power of the reaction $^{92}Zr(\vec{p},\alpha)^{89}Y$ 9—75981
Ratel, G. *see* Preisinger, K. 9—75980
Rath, H.J. Peristaltic flow in elastic pipes 9—81982

Rath, H.J. On nonlinear vibrations of spherical oscillating gas bubbles in liquids allowing for fluid compressibility 9—98793
Rath, J. *see* Freeman, A.J. 9—90953
Rath, R. *see* Pohl, D. 9—73896
Rath, R.S., Bastia, S.N. Unsteady motion and heat transfer of a viscous fluid around two coaxial rotating disks 9—94633
Ratham, B.A. *see* Dharmadurai, G. 9—56411
Rathbun, L., Ehrlich, G. Extremal scattering of molecular hydrogen from (001) MgO 9—95891
Rathjen, S.M. *see* Denman, O.S. 9—52893
Rathod, H.T. A study of asymmetrically loaded Griffith crack in an infinite anisotropic medium 9—50649
Rathore, I.V.S., Singh, B.P. β-γ-γ angular correlation studies of radiations from the decay of ^{152}Eu and ^{154}Eu and studies of negative parity states in ^{152}Gd 9—97676
Rathore, J.S. Magnetic susceptibility anisotropy in the Cambrian slate belt of North Wales and correlation with strain 9—79832
Rathore, R.P.S. Ionic interaction in cubic metals and the phenomenological models 9—77693
Rathore, R.P.S. Lattice dynamics of BCC transition metals 9—90739
Rathore, R.P.S. *see* Khanna, R.N. 9—82289
Ratib, O. *see* Righetti, A. 9—70631
Ratkowski, A.J. *see* Braid, T.H. 9—60414
Ratmanskii, D.S. *see* Demishev, A.G. 9—88960
Ratmirov, V.A. *see* Gurevich, V.M. 9—67274
Ratnam, B.A. *see* Dharmadurai, G. 9—51725, 9—51731, 9—65615, 9—78265, 9—87206
Ratnam, M.V. *see* Shanker, N.B. 9—57936
Ratnam, S.Raja *see* Raja Ratnam, S.
Ratnam, V.V., Banerjee, H.D. Energy transfer in cathoderay irradiated heavily doped CaF_2:Ce:Mn phosphor 9—87509
Ratnam, V.V. *see* Gartia, R.K. 9—61444
Ratner, L.G., Schultz, P.F., O'Fallon, J.R., Abe, K., Crabb, D.G., Fernow, R.C., Hansen, P.H., Krisch, A.D., Mulera, T.A., Salthouse, A.J., Sandler, B., Terwilliger, K.M., Lin, A. Measurement of spin interactions in high P_t proton-proton elastic scattering 9—67608
Ratner, L.G. *see* Crabb, D.G. 9—72055
Ratner, L.G. *see* Parker, E.F. 9—72054
Ratner, M.A. *see* Ondrechen, M.J. 9—97964
Ratner, M.A. *see* Zunger, A. 9—59328
Ratnikov, Ye.F., Zaynullin, L.A., Marchenko, A.V. Hydrodynamic suspension of a sphere in a channel with variable cross section 9—77246
Ratoff, P.N. *see* Morfin, J.G. 9—71740
Rattan, I. *see* Bajpai, S.N. 9—78355
Rattazzi, G.U. *see* Mathews, G.J. 9—54455
Ratto, J.O. *see* Simon, J.M. 9—98297
Ratwani, M.M., Wilhem, D.P. Influence of biaxial loading on analysis of cracked stiffened panels 9—68656
Ratwani, M.M. *see* Wilhem, D.P. 9—61733
Ratych, L.V. *see* Panasyuk, V.V. 9—52477
Ratzel, A.C., Hickox, C.E., Gartling, D.K. Techniques for reducing thermal conduction and natural convection heat losses in annular receiver geometries 9—79409
Ratzel, W. The auxiliary systems of the SNR 2 9—97768
Ratzlaff, K.L., bin Darus, H. Optimization of precision in dual wavelength spectrophotometric measurement 9—92019
Ratzlaff, K.L., Paul, S.L. Characterization of a charge-coupled device photoarray as a molecular absorbtion spectrophotometric detector 9—80689
Rau, A.R.P. *see* Crosswhite, H. 9—63958
Rau, A.R.P. *see* Hylton, D.J. 9—86092
Rau, E.I. *see* Khaletskiy, M.B. 9—89045
Rau, E.I. *see* Spivak, G.V. 9—54156
Rau, R.S.N. *see* Dwarakanath, K. 9—50888
Raub, C.J. *see* Khan, H.R. 9—56388, 9—91208
Raub, Ch.J. *see* Gevers, A. 9—56387
Raub, Ch.J. *see* Khan, H.R. 9—65423, 9—73645
Raub, Ch.J. *see* Muramaki, T. 9—96225
Raubakh, Kh. *see* Tsvetkov, V.N. 9—55643
Rauber, A. Chemistry and physics of lithium niobate 9—69783
Rauch, H. Neutron spinor rotation and the neutron few-body interaction 9—59113
Rauch, H. The low energy neutron scattering lengths of He^3 and T and their relation to the four-body problem 9—75997
Rauch, H., Petrascheck, D. Dynamical neutron diffraction and its application 9—60231
Rauch, H. *see* Badurek, G. 9—50950
Rauch, H. *see* Graf, A. 9—94139
Rauch, H. *see* Kaiser, H. 9—72435
Rauch, J. *see* Burkhalter, P. 9—55457
Rauchas, A.V., Brumwell, F.R., Volk, G.J. Commissioning of the Argonne intense pulsed neutron source (IPNS-I) accelerator 9—67997
Rauchwarger, K., Jafarey, S., Yung-Li Wang Induced-moment singlet-triplet model: High-temperature series expansion 9—73653
Rauchwarger, K. *see* Jafarey, S. 9—78282
Rauh, D.A. *see* Thomas, C.W. 9—53098
Rauh, E.G. *see* Ackermann, R.J. 9—100127
Rauh, R.D., Abraham, K.M., Pearson, G.F., Surprenant, J.K., Brummer, S.B. A lithium/dissolved sulfur battery with an organic electrolyte 9—100510
Raukhvarger, A.E., Dzelme, Yu.R., Tiliks, Yu.E. A possible model of the center, responsible for the V_3-band in the spectra of irradiated KCl 9—56821
Raukhvarger, A.E., Dzelme, Yu.R., Tiliks, Yu.E., Bugaenko, L.T. The interrelation between V_2- and V_3-centers in irradiated KCl crystals 9—69862
Raulin, F., Bossard, A., Toupance, G., Ponnamperuma, C. Abundance of organic compounds photochemically produced in the atmospheres of the outer planets 9—75142
Raulin, F. *see* Pearl, J. 9—92704
Rault, J. Crystallization of polymers 9—69028
Rault, J. Remarks on the scaling laws in copolymer mesophases 9—94872
Rault, J. *see* Abenoza, M. 9—99875
Rault, J. *see* Luu Dang Vinh 9—69825
Rauluszkiewicz, J., Gorska, M., Kaczmarek, E. *(editor)* Physics of Narrow Gap Semiconductors 9—82582
Raupach, F. *see* Berger, C. 9—49519
Rausch, J. *see* Monroe, E. 9—79689
Rausch, R. *see* Altaber, J. 9—72211
Rausch, W.P. *see* DeLooper, J. 9—97776
Rauschecker, J.P., Singer, W. Changes in the circuitry of the kitten visual cortex are gated by postsynaptic activity 9—74652
Rauschenbach, B., Blasek, G. Determination of very low diffusion coefficients in glass with means of secondary-ion mass spectrometry 9—82387
Rauschenbach, B. *see* Kuchler, R. 9—69015
Rauscher, W. *see* Reichelt, A. 9—72701
Rauschnabel, K. *see* Drijard, D. 9—89150
Rautavuori, J., Tormala, P. Preparation of bulky glassy carbon bodies from phenolformaldehyde resin 9—83145
Rautbort, A.E. *see* Zalesskaya, I.M. 9—78917
Rautenberg, T.H., Jr. *see* Johnson, P.D. 9—82093
Rautian, L.P. *see* Agroskin, L.S. 9—75590
Rautian, L.P. *see* Khursandova, S.M. 9—99885
Rautian, S.G., Chernobrod, B.M. Cooperative effects in conversion processes for laser radiation spectra 9—72549
Rautian, S.G., Smirnov, G.I. Gravitational effects in nonlinear laser spectroscopy 9—67391
Rautman, N.Yu. *see* Vishnyakov, N.A. 9—52488
Rautmann, R. Helmholtz equation for turbulence, with a difference approximation 9—86411
Rautmann, R. On the uniqueness and stability of weak solutions of a Fokker-Planck-Vlasov equation 9—92951
Rauzen, F.V., Kuleshov, N.F., Trushkov, N.P., Dudnik, S.N. Ion exchange and electrodialysis in liquid radioactive waste decontamination 9—71926
Rava, R.P. *see* Krogh-Jespersen, K. 9—86021
Ravaglioli, A. *see* Azzoni, C.B. 9—95634
Ravalard, Y. *see* Oudin, J. 9—64589
Ravdel', M.P. *see* Goman'kov, V.I. 9—65649
Raveau, B. *see* Goreaud, M. 9—60321
Raveau, B. *see* Hervieu, M. 9—65044, 9—65049, 9—99161
Raveau, B. *see* Labbe, P. 9—73141
Raveche, H.J., Mountain, R.D. Triplet correlations [and structure of fluids] 9—60251
Raveche, H.J. *see* Kayser, R.F., Jr. 9—86670
Ravelet, S. *see* Nguyen, P.H. 9—95505
Raven, A., Willi, O. Electron-density structures in laser-produced plamas at high irradiances 9—82041
Raven, A. *see* Willi, O. 9—77423
Raven, M.S. XPS and Auger LMM analysis of ZnO/Si and ZnO/SiO_2 interfaces 9—90893
Ravera, G.L. *see* Chiantore, B. 9—63755
Ravetti, R. Evidence for the lack of a hydrogen effect on photomachined thin 410 stainless steel 9—74246
Ravex, A. *see* Bourgoin, J.C. 9—56225
Ravex, A. *see* Lasjaunias, J.C. 9—60516
Ravez, J., Elaatmani, M., Von Der Muhll, R., Hagenmuller, P. A new family of ferroelastic-ferroelectric oxyfluorides of the chiolite type 9—99834
Ravez, J. *see* Simon, A. 9—55886
Ravi, K.V. *see* Hari Rao, C.V. 9—61982
Ravi Sekhar, Y. *see* Chowdari, B.V.R. 9—51303, 9—91475, 9—95212
Ravich, Yu.I. *see* Bytenskii, L.I. 9—91172
Ravichandran, R. *see* Jayaraman, S. 9—62372
Ravier, J., Delpeyroux, P., Estavoyer, M., Bernard, B., Carnoy, M., Courcon, P., Jallade, M., Ollier, H., Coulon, P., Dupouy, J.M. Analysis of the Phenix fuel assembly and core performance 9—97878
Ravindar, P., Mehrotra, G.M., Tare, V.B. Standard free energy of formation of tin telluride 9—57287
Ravindhran, K.S., Siegel, H.M., Johnson, R.M., Wiseman, C.D. Algorithm for solving back-reflection Laue patterns of cubic crystals 9—99030
Ravindra, N.M., Auluck, S., Srivastava, V.K. Temperature dependence of the energy gap in PbS, PbSe, and PbTe 9—65377
Ravindra, N.M., Srivastava, V.K. Some relations governing major solar cell parameters 9—52935
Ravindra, N.M., Sushil Auluck, Srivastava, V.K. On the Penn gap in semiconductors 9—82520
Ravindran, P. *see* Ray, A.K. 9—88993
Ravindran, R., Prasad, P. A mathematical analysis of nonlinear waves in a fluid filled visco-elastic tube 9—55395
Ravindranath, K., Ramiah, K.V. Normal coordinate analysis of substituted thioureas 9—98246
Ravishankara, A.R., Smith, G., Tesi, G., Davis, D.D. The gas kinetic and photochemical degradation of chlorine nitrate 9—52719
Ravishankara, A.R., Wine, P.H., Langford, A.O. Absolute rate constant for the reaction $OH+HBr \rightarrow H_2O+Br$ 9—70303
Ravishankara, A.R. *see* Davis, D.D. 9—62559
Raviv, G. *see* Cohen, A. 9—89847
Ravlik, A.G. *see* Palatnik, L.S. 9—51824, 9—69703
Ravn, H.L. Experiments with intense secondary beams of radioactive ions 9—97922
Ravn, H.L. *see* Azuma, R.E. 9—93550
Ravn, H.L. *see* Carraz, L.C. 9—85407
Ravner, H. *see* Kinzig, B.J. 9—51197
Rawal, B.S., Cooper, A.R. Oxygen self-diffusion in a potassium strontium silicate glass using proton activation analysis 9—65241
Rawal, B.S., Warden, J.T. EPR in a barium borosilicate glass containing titanium ions 9—99757
Rawal, J.J. Modified Titius-Bode relation 9—84684
Rawat, T.S. *see* Raizada, B.B. 9—56779
Rawer, K. Plasma-diagnosis of the Venus ionosphere 9—96941
Rawer, K., Bilitza, D., Ramakrishnan, S., Sheikh, N. Intentions and build-up of the International Reference Ionosphere [IRI] 9—58173
Rawlings, K.C., Van der Sluijs, J.C.A. Time dependence of the anomalous Kapitza conductance of copper 9—56066
Rawlings, K.C. *see* van der Sluijs, J.C.A. 9—73390
Rawlings, K.J., Hopkins, B.J., Foulias, S.D. A double ionization satellite in the tungsten Auger spectrum 9—87532
Rawlings, K.J. *see* Price, G.G. 9—90878
Rawlings, R.D. *see* Dalgleish, B.J. 9—70234
Rawlings, R.D. *see* West, A.W. 9—57054
Rawlins, J.A. *see* Schmittroth, F. 9—54611
Rawlinson, W.R. *see* Latham, A. 9—89168
Rawls, J.M. *see* Harvey, R.W. 9—71947
Rawls, J.M. *see* Hopkins, G.R. 9—55472
Rawls, J.M. *see* Stambaugh, R.D. 9—72993
Rawson, E.G., Bailey, M.D. Bitaper star couplers with up to 100 fibre channels 9—76824
Ray, A.K., Davis, E.J., Ravindran, P. Determination of ultra-low vapor pressures by submicron droplet evaporation 9—88993
Ray, A.K., Kroger, F.A. High-temperature electron mobility in ZnSe:Al and ZnSe:As 9—91042
Ray, A.K., Sharma, S. Synthesis of the thickness effect in the case of flow past a slender delta wing with leading edge vortices 9—98734
Ray, A.K. *see* Nelson, P. 9—71235
Ray, D. On a class of solutions of nonlinear Boltzmann equations 9—54075
Ray, D. Finite amplitude electrostatic ion cyclotron modes 9—64858
Ray, D. Formation of upper hybrid solitons from MHD perturbations 9—90348
Ray, D. Comment on 'On the possibility of a three-temporal Lorentz transformation' 9—97192
Ray, G., Ghista, D.N., Chandran, K.B. In vivo non invasive determination of aortic stiffness 9—83875
Ray, G., Ghista, D.N., Sandler, H. Left ventricular flow patterns as index of performance 9—96601
Ray, G. *see* Ghista, D.N. 9—92265
Ray, G.D. Propagation of plane relativistic shock waves 9—53707
Ray, G.D., Chakraborty, T.K. Propagation of cylindrical relativistic shock waves in the presence of a magnetic field [galaxy formation] 9—53708
Ray, G.Deb *see* Deb Ray, G.
Ray, G.P. An investigation into a potential source of corrosion in transistor packages 9—70230
Ray, G.P. *see* Mitra, T.K. 9—78021
Ray, J., Chandra, G., Shaikh, A.W. Resistance maximum in gold-copper alloys with iron impurities 9—61056
Ray, J. *see* Chandra, G. 9—61289
Ray, J.A. *see* Cisneros, C. 9—59563
Ray, J.R. Dissipation and quantum theory 9—63077
Ray, J.R. Lagrangians and systems they describe—how not to treat dissipation in quantum mechanics 9—84892
Ray, J.R., Reid, J.L. More exact invariants for the time-dependent harmonic oscillator 9—67185
Ray, L. Neutron isotopic density differences deduced from 0.8 GeV polarized proton elastic scattering 9—67643

Ray, L., Kozlowski, T., Madland, D.G., Morris, C.L., Pratt, J.C., Spencer, J.E., Tanaka, N., Thiessen, H.A., Kyle, G.S., Hintz, N.M., Oothoudt, M.A., Lang, P.M., Nann, H., Seth, K.K., McDaniels, D.K., Varghese, P.M., Blanpied, G.S., Hoffmann, G.W., Liljestrand, R.P., Fong, J.C., Igo, G., Ridge, R.J., Rolfe, R.M., Whitten, C.A., Jr. Coupled-channels effects in 0.8 GeV proton inelastic scattering from ^{58}Ni 9—63669
Ray, L. *see* Adams, G.S. 9—80915
Ray, L.I. *see* Towne, J.B. 9—88144
Ray, M.K. *see* Banerji, S. 9—49127
Ray, N.K., Bhargava, S. Use of electron-density contours from ESGO model wavefunctions: nonbonded radius of atoms and molecular anisotropy of the polarizability for some diatomic systems 9—85897
Ray, N.K., Samuels, L., Parr, R.G. Studies of electronegativity equalization 9—66272
Ray, P.P., Saha, B.C. Electron capture in H^+-H_2 collisions 9—76509
Ray, R. *see* Hasegawa, R. 9—73689, 9—95608
Ray, R. *see* Kerns, A.J. 9—52747
Ray, R. *see* Wannier, G.H. 9—77978
Ray, R.D. *see* Ledley, R.S. 9—88212
Ray, R.K., Seal, A.K. Age hardening of Fe-Mn-Ni base maraging alloys 9—74170
Ray, S. *see* Hauser, E. 9—56188
Ray, S. *see* Lokanadham, B. 9—84579
Ray Yeh, L.-S., Hackerman, N. Electrochemistry of n-type CdS, GaP, and GaAs and p-type Ge semiconductor electrodes in N,N-dimethylformamide solutions 9—96322
Rayalu, Ch.A.Dev *see* Dev Rayalu, Ch.A.
Rayborn, G.H. *see* Morton, D.C. 9—54116
Raychaudhuri, A. *see* Leroyer, Y. 9—89062
Raychowdhury, P.N. N-body excited states: exact eigenvalue of the states as lower bound to energy values 9—93934
Rayez, J.C., Rulliere, C. Theoretical study of the spectroscopic properties of 1,3,6,8-tetraphenylpyrene (related to pyrene): evidence of a new $T_1 \rightarrow T_n$ transition (symmetry type $B_{1g}^- \leftarrow B_{2u}^+$) in the UV 9—59479
Rayl, G. *see* Costogue, E.N. 9—53702
Rayment, S.G. *see* Searle, C.L. 9—50528
Raymer, M.G., Mostowski, J., Carlsten, J.L. Theory of stimulated Raman scattering with broad-band lasers 9—81486
Raymond, A., Robert, J.L., Bernard, C. The electron effective mass in heavily doped GaAs 9—77989
Raymond, A. *see* Brun, G. 9—86758
Raymond, A. *see* Gardes, B. 9—96011
Raymond, A. *see* Robert, J.L. 9—51571, 9—60690
Raymond, D. *see* Annamalai, N.K. 9—77940
Raymond, D.J. Instability of the low-level jet and severe storm formation 9—88415
Raymond, J.C. Shock waves in the interstellar medium 9—58389
Raymond, J.C., Black, J.H., Davis, R.J., Dupree, A.K., Gursky, H., Hartmann, L., Matilsky, T.A. Ultraviolet observations of AM Herculis with IUE 9—67051
Raymond, J.C., Noyes, R.W., Stopa, M.P. The Balmer 9 and Balmer 11 lines of He II in the Sun 9—66981
Raymond, J.C. *see* Dupree, A.K. 9—67067
Raymond, J.C. *see* MacGregor, K.B. 9—96999
Raymond, J.R. *see* Burkholder, H.C. 9—49714
Raymond, W.H., Gandikota V. Rao Boundary layer dynamics of a decaying vortex core 9—55394
Raymund, M. *see* Hall, C.A. 9—72854
Raynal, J.C. *see* Gavela, M.B. 9—49460
Rayne, J.A. Temperature dependence of scattering rate in transition metals from magnetoacoustic experiments 9—51472
Rayne, J.A., Leibowitz, J.R. Temperature dependence of scattering rate in transition metals from magnetoacoustic experiments 9—65522
Rayne, J.A. *see* Johnson, P.B. 9—61076, 9—73736
Rayner, J.G., Cooper, P.G., Nicol, S.K. A rheometer for the investigation of disperse systems 9—82012
Raynes, E.P. Recent advances in liquid crystal materials and display devices 9—99056
Raynes, E.P., Tough, R.J.A., DAvies, K.A. Voltage dependence of the capacitance of a twisted nematic liquid crystal layer 9—94894
Raynes, E.P. *see* Tough, R.J.A. 9—90545
Raynes, W.T. *see* Riley, G. 9—98066
Raynes, W.T. *see* Riley, J.P. 9—89690
Raynor, G.S. A radio-controlled air sampling system for diffusion experiments 9—79440
Raynor, G.S., McNeil, J.P. An automatic sequential precipitation sampler 9—83681
Raynor, G.S. *see* Sethuraman, S. 9—88480
Raynor, G.V. A note on relationships involving maximum or minimum liquidus temperatures for solid solutions in transition metals 9—78934
Raynor, S. *see* Dove, J.E. 9—74367
Rayski, J. Controversial problems of measurements within quantum mechanics 9—53999
Rayski, J. Superrenormalizable theories with higher derivatives 9—63344
Rayski, J. A model of confinement 9—85265
Rayski, J.M., Jr. *see* Englert, B.-G. 9—63365
Raz, S., Leviatan, Y. Resonance, phase front, and polarization-independence constraints of inhomogeneous Fabry-Perot interferometers 9—54176
Raza, A. *see* Gupta, B.K. 9—62034
Razavi, F.S., Datars, W.R. Open orbits in ReO_3 9—73421
Razavi, F.S., Datars, W.R., Chartier, D., Gillespie, R.J. Fermi surface of incommensurate mercury-chain compounds 9—56115
Razavy, M. A model for diffusion in a bistable potential field 9—75458
Razdan, H. *see* Bhat, C.L. 9—67257
Razdan, P., Srivastava, S.K. Adsorption of chloramine T on bentonite 9—92001
Razdobarin, G.T. *see* Burakov, V.S. 9—90467
Razelos, P. A note on the heat transfer in convective fins 9—76945
Razem, C.I. *see* Theocaris, P.S. 9—86386
Razgonov, A.I. *see* Adamov, M.N. 9—89803
Razgonov, I.I. *see* Bozhko, S.I. 9—91036
Razgulyaeva, L.G. *see* Bershtein, V.A. 9—51967
Razhenov, V.G., Kochetkov, A.V., Mikhailov, G.S., Godchikov, U. Interaction between elasto-plastic thin-walled constructional elements and shock waves in ideal compressible media 9—68618
Razi Naqvi, K. A new practical method for evaluating the intensities of pulsed lasers and some photophysical parameters of organic molecules 9—59735
Razi Naqvi, K., Waldenstrom, S., Mork, K.J. Unification of the methods of Onsager and Monchick for calculating the probabilities of various fates in diffusion-controlled reactions, with applications to diffusion in space and in a plane 9—52621
Razi Naqvi, K., Waldenstrom, S., Mork, K.J. Unification of the methods of Onsager and Monchick for calculating the probabilities of various fates in diffusion-controlled reactions, with applications to diffusion in space and in a plane 9—87823
Razi Naqvi, K. *see* Eske, A.T. 9—59497
Razi Navi, K., Mork, K.J., Waldenstrom, S. Diffusion-controlled reaction kinetics: equivalence of the particle pair approach of Noyes and the concentration gradient approach of Collins and Kimball 9—79226
Razik, N.A. Mechanism of solid-state eutectoid transformation in an aluminium-zinc alloy 9—74146
Razikov, M.I. *see* Gershenzon, S.M. 9—61774
Razin, V.A. *see* Vinyajkin, E.N. 9—75255
Razmanov, V.M. *see* Efimov, A.I. 9—88560
Razmanov, V.M. *see* Kolosov, M.A. 9—80295
Razumaykina, T.V. *see* Gavrilov, S.V. 9—88323
Razumov, O.N., Tomashevskii, N.A. Simple cryostat for investigating the Mossbauer effect at 65 and 77K 9—67364
Razumov, O.N. *see* Gavrilyuk, V.G. 9—82900
Razumov, V.F. *see* Popov, L.S. 9—54842
Razumova, V.V., Bokhon'ko, A.I. Role of nonhistone proteins in the solubility of chromatin 9—53021
Razumovskaya, I.V., Tulinova, V.V. Thermodynamic determination of the safe stress of high-strength solid bodies 9—50679
Razumovskaya, I.V. *see* Vorob'ev, V.M. 9—57107
Razumovskaya, L.P., Ryazanov, N.S., Frish, S.E. Influence of a spectral instrument on the position of interference maxima in the measurement of anomalous dispersion by the band shift method 9—75578
Razumovskaya, O.N. *see* Fesenko, E.G. 9—87393
Razygraev, N.P. *see* Ermolov, I.N. 9—96269
Razykov, T.M. *see* Kantariya, R.V. 9—52934
Razzetti, C. *see* Bacewicz, R. 9—99870
Rcheulishvili, G.L. *see* Logunov, A.A. 9—58952
Re, E.Del *see* Del Re, E.
Re, G. *see* Cigada, A. 9—66200
Rea, E.C. *see* Munch, J. 9—50331
Rea, I.R., Foster, D.L. High ionic conductivity in densified polycrystalline lithium nitride 9—86921
Rea, M.S. *see* Ingling, C.L., Jr. 9—53120
Read, A.L., Coremans-Bertrand, G., Sacton, J., Vilain, P., Breslin, A., Montwill, A., Garbutt, D.A., Burhop, E.H.S., Davis, D.H., Tovee, D.N., Stannards, F.R., Blaes, G., Klein, R., Schmitt, F.M., Baroni, G., Ceradini, F., Conversi, M., DiLiberto, S., Federici, L., Ferrer, M.L., Gentile, S., Petreta, S., Romano, G., Santonico, R., Bassompierre, G., Jung, M., Kurtz, N., Paty, M., Schneegans, M. Search for short-lived particles in high-energy neutrino interactions identified using a hybrid emulsion-spark-chamber arrangement 9—49510
Read, A.L. *see* Hand, L. 9—75979
Read, D.T. *see* Clark, A.F. 9—69622
Read, M.N. *see* Darby, M.I. 9—82198
Read, R.T., Young, R.J. Extended-chain polydiacetylene crystals 9—82165
Reader, J., Acquista, N. Spectrum and energy levels of four-times ionized zirconium (Zr V) 9—54798
Reader, J., Luther, G., Acquista, N. Spectrum and energy levels of thirteen-times ionized molybdenum (Mo XIV) 9—49954
Reader, J. *see* Epstein, G.L. 9—72261
Readhead, A.C.S., Pearson, T.J., Cohen, M.H., Ewing, M.S., Moffet, A.T. Hybrid maps of the milli-arcsecond structures of 3C 120, 3C 273, and 3C 345 9—92883
Readhead, A.C.S. *see* Cohen, M.H. 9—92882
Readhead, A.C.S. *see* Wilkinson, P.N. 9—101209
Reading, D.H. *see* Butterworth, J. 9—74758
Reading, J.F., Ford, A.L. A new coupled-state equation for ion-atom collisions 9—50109
Reading, J.F., Ford, A.L., Swafford, G.L., Fitchard, A. Inner-shell charge transfer in asymmetric ion-atom collisions 9—89778
Reading, J.F. *see* Ford, A.L. 9—89760
Reading, J.R. *see* Ford, A.L. 9—89766
Reagan, D. A device to measure quadrupole gradient-length product 9—76232
Reagan, D., Hostetler, T.E. An electron beam spectrum monitor using synchrotron light 9—72146
Reagan, J.A. *see* King, M.D. 9—80020
Reager, R.D. *see* Crowther, R.L. 9—67844
Reakes, M. Aperture synthesis observations of H I and radio continuum in Arp 205 (NGC 3448 and UGC 6016) 9—53916
Reakes, M. 21-cm line observations of the group of galaxies NGC2805, 2814, 2820 and IC 2458 9—53917
Reale, C. Determination of the critical magnetic field of a superconducting A1-type As, Sb, and Bi phase 9—69638
Reale, C. Space travel and astronauts of the future 9—80244
Reale, E. *see* Di Pasquale, S. 9—98608
Reali, G.C. Nonlinear optics: the effects of autofocusing on the propagation of a high-intensity laser beam 9—68420
Reals, H.C., Muse, D. Truncated sequential sampling plan for use in determining the grade of wool 9—87802
Ream, A.K. *see* Fryer, T.B. 9—74736
Ream, N. Reliability of some examination and laboratory marks in electronic engineering 9—75305
Reamer, H.H. *see* Yoganathan, A.P. 9—57814
Reardon, E.J. *see* Fritz, P. 9—84324
Reardon, P.J. *see* Jassby, D.L. 9—71962
Reatto, L. Generalized perturbation theory of classical fluids in the critical region 9—77474
Reatto, L., Scotti, A. Jastrow wave function of Yukawa Bose fluids: Monte Carlo computation 9—73375
Reatto, L. *see* Rastelli, E. 9—87273
Reau, J.M. *see* Delmas, C. 9—77810
Reau, J.M. *see* Lucat, C. 9—99360
Reau, J.-M. *see* Delmas, C. 9—65244
Reau, J.-M. *see* Jonscher, A.K. 9—65785
Reau, J.-M. *see* Levasseur, A. 9—90823
Reau, J.-M. *see* Maazaz, A. 9—60546
Reaves, D.B., Helmke, R. Applications of distributed microprocessors in the CESR control system 9—72217
Reaves, R.D. *see* Dundon, J.M. 9—95597
Reay, J.S.S. The philosophy of monitoring [air pollution] 9—70492
Rebane, I. The time dependent spectra of resonant secondary emission in the case of two relaxation times 9—52019
Rebane, I., Tuul, A. The pure-electronic line profile in time-dependent spectra: narrowing and oscillation 9—56859
Rebane, I.K., Khizhnyakov, V.V. Theory of transient resonant secondary-emission spectra 9—56827
Rebbah, A., Leclaire, A., Yazbeck, J., Deschanvres, A. Structure of cadmium arsenic iodide 9—99138
Rebbert, R.E., Ausloos, P. Photodissociation of CCl_4 9—52723
Rebbi, C. Solitons 9—71643
Rebbi, C. *see* Creutz, M. 9—58876
Rebbi, C. *see* Jackiw, R. 9—97512
Rebbi, C. *see* Jacobs, L. 9—78256
Rebel, H. *see* Bekk, K. 9—72436
Rebel, H. *see* Gils, H.J. 9—97716
Reber, C.A. *see* Hedin, A.E. 9—53591
Reber, J.G., Goldsmith, W. Analysis of large head-neck motions 9—79579
Rebertus, D.W., Berne, B.J., Chandler, D. A molecular dynamics and Monte Carlo study of solvent effects on the conformational equilibrium of n-butane in CCl_4 9—70308
Rebholz, J. *see* Lee, T.C. 9—59649
Rebholz, M., Roll, K. Approximation method for the calculation of deformation procedures 9—76978
Rebizant, J. *see* Boeuf, A. 9—78332
Rebizant, J. *see* Friedt, J.M. 9—61271
Rebolledo, M.A., Abad, J.C. Study of dead time of photon counting spectroscopic system 9—80693
Rebont, J. *see* Maresca, C. 9—72969
Reboucas, M.J. *see* Novello, M. 9—67200
Rebouillat, J.P. *see* Boucher, B. 9—73682, 9—73683
Rebouillat, J.P. *see* Garoche, P. 9—65680
Rebouillat, J.P. *see* Massenet, O. 9—82765
Reboul, H. A test of the isotropy of the Hubble law on the field of quasars—Correlation with the local supercluster 9—97111

Reboul, H. *see* Cordoni, J.-P. 9—53944
Reboul, J.-P., Moussalli, G. About some D-C conduction processes in carbon black filled polymers 9—56275
Rebrov, A.K. Experimental study of relaxing low-density flows 9—98824
Rebrov, A.K. *see* Karelov, N.V. 9—86481
Rebsch, J.-T. A combination of Auger and many-phonon processes in nonradiative recombination 9—87111
Rebuck, A.S. *see* Pengelly, L.D. 9—100650
Rebyakov, Yu.N. *see* Getsov, L.B. 9—66125
Rec, J.R. *see* Jonsson, A. 9—80996
Recami, E. A new introductory view about superluminal frames and tachyons 9—58543
Recami, E. *see* Caldirola, P. 9—49143, 9—67139
Reccius, E. *see* Horig, W. 9—65896
Reccius, E. *see* Neumann, H. 9—95296
Rechen, J.B. *see* Gilbert, W.S. 9—76202
Rechenberg, H.R., de Graaf, A.M. Magnetic aftereffects in a cobalt aluminosilicate spin glass 9—61176
Rechester, A.B., Rosenbluth, M.N., White, R.B. Calculation of the Kolmogorov entropy for motion along a stochastic magnetic field 9—60183
Rechester, A.B., Stix, T.H. Stochastic instability of a nonlinear oscillator 9—67150
Rechtien, R.R. *see* Tracey, J.H. 9—74995
Recillas-Cruz, E. *see* Pismis, P. 9—92841
Reck, G., Bannier, G., Hohne, E. The changes in the molecular configuration alteration and crystal structure of N-methyl-piperidinium-acet-meta-chloro-anilide-iodide 9—51095
Reck, R.A., Fry, D.L. The direct effects of chlorofluoromethanes on the atmospheric surface temperature 9—70832
Recke, K.S. *see* Thompson, D.J. 9—100630
Recker, E.E. *see* Thompson, R.M., Jr. 9—88431
Recker, R.R. *see* Blotcky, A.J. 9—52847
Recknagel, E. *see* Echt, O. 9—56702
Recknagel, E. *see* Graf, H. 9—56677, 9—56688
Recknagel, E. *see* Weidinger, A. 9—86817
RED Bishop *see* Woodcock, D.L. 9—80426
Reddi, S.Jeevananda *see* Jeevananda Reddi, S.
Redding, R.W., Meyer, F.O. On the relation of the Eckart frame to the Eulerian angles 9—59428
Reddish, V.C. *see* Humphries, C.M. 9—75103
Reddoch, A.H., Konishi, S. The solvent effect on di-tert-butyl nitroxide. A dipole-dipole model for polar solutes in polar solvents 9—54870
Reddy, A.G.S. *see* Reddy, P.G. 9—68761
Reddy, A.R. *see* Jain, M.P. 9—62375
Reddy, B.D. An experimental study of the plastic buckling of circular cylinders in pure bending 9—90158
Reddy, C.S. *see* Wirtz, R.A. 9—59982
Reddy, D.R.K. Static conformally flat solution in a scalar-tensor theory of gravitation 9—93018
Reddy, G.Sura *see* Sura Reddy, G.
Reddy, G.V.Krishna *see* Krishna Reddy, G.V.
Reddy, K.V., Beniere, F., Kostopoulos, D., Le Traon, J.Y. Electromigration and diffusion of copper in aluminium thin films 9—77820
Reddy, K.V. *see* Kostopoulos, D. 9—77808
Reddy, M.Mutha *see* Mutha Reddy, M.
Reddy, N.M., Shanmugasundaram, V. Theoretical gain-optimization studies in CO_2-N_2 gasdynamic lasers. I. Theory 9—76664
Reddy, N.M., Shanmugasundaram, V. Theoretical gain-optimization studies in CO_2-N_2 gasdynamic lasers. II. Results of parametric study 9—76665
Reddy, P.G., Reddy, Y.B., Reddy, A.G.S. The stability of non-Newtonian fluid between the two rotating porous cylinders (wide gap case) 9—68761
Reddy, P.Jayarama *see* Jayarama Reddy, P.
Reddy, P.K., Jawalekar, S.R. A thickness monitor using the frequency demodulation technique 9—67249
Reddy, R.S., Murty, V.R. 30-day periodicity in sunspot activity and rainfall 9—84765
Reddy, S.N., Kirlin, R.L. Spectral analysis of auditory evoked potentials with pseudorandom noise excitation 9—83795
Reddy, S.P., Ivancic, W., Devi, V.M., Baldacci, A., Narahari Rao, K., Mantz, A.W., Eng, R.S. Tunable diode laser spectroscopy in the infrared: some practical considerations of techniques and calibration with ν_2 lines of HCN 9—71542
Reddy, S.P. *see* Malathy Devi, V. 9—98079
Reddy, T.A. *see* Gupta, C.L. 9—70460
Reddy, T.R. *see* Baker, J.M. 9—95677
Reddy, T.S. *see* Desayi, P. 9—87688
Reddy, T.Y., Reid, S.R. Lateral compression of tubes and tube-systems with side constraints 9—50583
Reddy, Y.B. *see* Reddy, P.G. 9—68761
Reddy, Y.R. *see* Sirdeshmukh, L. 9—65783
Redei, L.B. Bound for the harmonic oscillator Greens function 9—58559
Redekopp, L.G. *see* Djordjevic, V.D. 9—79857
Redelsperger, J.L., Sommeria, G. Preparatory stages in the representation of rain in a convection model 9—84413
Redfern, J.P. Oxygen index test—measurement and application 9—79337
Redfern, R.M. *see* Fowler, P.H. 9—71003
Redfield, A.G. Nuclear magnetic resonance in biochemistry using superconducting magnets 9—74811
Redfield, D. Revised model of asymmetric p-n junctions 9—99607
Redfield, D. *see* Weakliem, H.A. 9—78699
Redhead, R.G., Snowdon, C. A new approach to the management of wounds of the extremities controlled environment treatment and its derivatives 9—74787
Redhed, D.D., Chen, A.W., Hotovy, S.G. New approach to the 3-D transonic flow analysis using the STAR-100 computer 9—94644
Redish, E.F. Applications of few-body method to other fields 9—85379
Redish, E.F. *see* Fonseca, A.C. 9—63083
Redish, E.F. *see* MacMillan, D.S. 9—75942
Redish, E.F. *see* Polyzou, W.N. 9—71822, 9—75938
Red'Kin, V.B. *see* Bystryi, A.I. 9—64866
Red'kin, Yu.R. *see* Mikhailenko, V.I. 9—94030
Red'ko, A.V. Influence of antifogging substances on the size of silver grains during normal and single solution processing 9—67414
Red'ko, A.V. Effect of sodium thiosulphate on micrograin structure of an image during simultaneous development and fixation 9—100419
Red'ko, A.V. *see* Baranova, V.G. 9—58817
Redlack, A., Grindlay, J. The electromagnetic field in finite crystals 9—77546
Redlack, A., Grindlay, J. The electrostatic potential in a crystalline slab 9—77547
Redman, J.D. *see* Bell, J.T. 9—77823
Redman, R.O. *see* Wannier, P.G. 9—62931
Redmayne, I. The interpretation of weld radiographs 9—91861
Redmer, J., Kuehne, K., Dahl, W. Description of a curved boundary shape without first derivative discontinuities 9—72823
Redmon, M.J., Wyatt, R.E. Quantum resonance structure in three-dimensional $F+H_2$ reaction 9—61847
Redmount, I. *see* Austin, S.M. 9—54441
Redner, S. Mean end-to-end distance of branched polymers 9—86097
Redner, S. Infrared photoelasticity 9—94567
Redner, S., Stanley, H.E. Anisotropic bond percolation 9—75464
Redon, M., Gastaud, C., Fourier, M. Far infrared emissions in NH_3 using 'forbidden' transitions pumped by a CO_2 laser 9—86168
Redon, M., Gastaud, C., Fourrier, M. New CW far-infrared lasing in $^{14}NH_3$ using Stark tuning 9—81407
Redpath, A.E., Mensinger, M. Kinetic energy—and internal state dependence of the $NO+O_3 \rightarrow NO_2^*+O_2$ reaction 9—66287
Redpath, J.L., Patterson, L.K. The effect of membrane fatty acid composition on the radiosensitivity of E. coli K-1060 9—92306
Redshaw, S.C. *see* Rushton, K.R. 9—100884
Redwine, R.P. Low energy pion-nucleus scattering 9—85529
Redwine, R.P. *see* Bowles, T. 9—93663
Redwine, R.P. *see* Dam, S.H. 9—85536
Redwine, R.P. *see* Frank, J.S. 9—85329
Redwine, R.P. *see* Jeppesen, R.H. 9—85533
Redwitz, H.von *see* von Redwitz, H.
Redyanin, V.K., Yakushevich, L.V. Elementary excitations in one-dimensional systems with resonance interaction 9—99489
Reece, C., LeBritton, J., McCal, D., Metcalf, W., Melissinos, A.C., Alspector, J., Borenstein, S., Kalbfleisch, G., Strand, R.C., Abashian, A. The contribution of $q\bar{q}$ annihilations to dimuon production in πN interactions 9—89196
Reece, E.W., Stoller, H.M. The development of multifunctional seafloor instrumentation systems 9—53584
Reece, F.D. Severe low level turbulence near Cross Fell 9—79962
Reed, C.A. *see* Spartalian, K. 9—99802
Reed, C.L. Control valve noise prediction 9—72754
Reed, C.M., Rubin, S.L., Braida, L.D., Durlach, N.I. Analytic study of the Tadoma method: discrimination ability of untrained observers 9—96587
Reed, C.M. *see* Mottram, J.D. 9—56309
Reed, D. *see* Monroe, E. 9—79689
Reed, D.A. *see* Brass, S.G. 9—73393
Reed, E. *see* Radecki, D. 9—86194
Reed, G.A.L. *see* Lynn, P.A. 9—92253
Reed, G.A.L. *see* Sander, K.F. 9—50198
Reed, I.S., Chang, C.M., Glenn, W.V., Truong, T.K., Kwoh, Y.S. Dose reduction in X-ray computed tomography using a generalized filter 9—66557
Reed, I.S., Chang, C.M., Truong, T.K., Glenn, W.V., Kwoh, Y.S. Dose reduction in X-ray computed tomography using a generalized filter 9—83946
Reed, J.H. *see* Sperling, S.M. 9—62627
Reed, J.S. *see* Carbone, T.J. 9—87594
Reed, J.S. *see* Croft, T.D. 9—70023
Reed, J.S. *see* Klug, F.J. 9—70022
Reed, J.W. Cape Canaveral sea breezes 9—100921
Reed, L.D. *see* Lee, K.W. 9—50792
Reed, P. Spin-wave stiffness in the Heisenberg spin glass 9—78405
Reed, P. *see* Bray, A.J. 9—78406
Reed, P.E. *see* Mead, W.T. 9—52307
Reed, R.A. *see* Selby, J.E.A. 9—66797
Reed, R.J. The structure and behaviour of easterly waves over West Africa and the Atlantic 9—88459
Reed, R.J. *see* Thompson, R.M., Jr. 9—88431
Reed, R.P. *see* Yushchenko, K.A. 9—61736
Reed, S.J.B., Scott, E.R.D., Long, J.V.P. Ion microprobe analysis of olivine in pallasite meteorites for nickel 9—58304
Reed, W.J. *see* Allsopp, S.R. 9—91978
Reed-Hill, R.E. *see* Diaz, A.E. 9—79109
Reeder, D.D. *see* Benvenuti, A. 9—49508, 9—58951
Reeder, D.L. *see* Berta, V.T. 9—89427
Reeder, J., Shinbrot, M. The initial value problem for surface waves under gravity. III. Uniformly analytic initial domains 9—72901
Reeder, R.J., Wenk, H.R. Microstructures in low temperature dolomites 9—62487
Reeder, R.J., Wenk, H.R. Modulated structures in sedimentary dolomites 9—100832
Reeder, S.D., Delmastro, J.R. Accurate determination of 5-25 mg of uranium by redox titrimetry 9—87932
Reedijk, J. *see* Van Ooijen, J.A.C. 9—56519
Reednick, J. A unique approach to atomic spectroscopy: high energy plasma excitation and high resolution spectrometry 9—96382
Reedy, G.T. *see* Green, D.W. 9—59457
Reedy, R.C., Herzog, G.F., Jessberger, E.K. The reaction $Mg(n,\alpha)Ne$ at 14.1 and 14.7 MeV: cross sections and implications for meteorites 9—96874
Reeh, H. *see* Garber, W.D. 9—71587
Reehal, H.S., Thomas, C.B. The current-voltage characteristics of amorphous chalcogenide films prepared from $Si_{12}Te_{48}As_{30}Ge_{10}$ 9—87104
Reel, R.D. *see* Danielewicz, E.J. 9—94220
Reep, D. *see* Ghandhi, S.K. 9—83592
Reep, D. *see* Pande, K. 9—69988
Rees, C.W. *see* Halliday, J.W. 9—52699
Rees, D.E. Non-LTE resonance line polarization in the absence of magnetic fields [solar models] 9—80293
Rees, J.A., Alger, S.R. Transport properties of mass-identified ions in oxygen, nitrogen, carbon dioxide and carbon monoxide 9—50837
Rees, J.R. *see* Chao, A.W. 9—72075
Rees, M.H. *see* Sharp, W.E. 9—75011
Rees, M.J. Observational status of black holes 9—97019
Rees, M.J. *see* Begelman, M.C. 9—75290
Rees, M.J. *see* Ferland, G.J. 9—67101
Rees, M.J. *see* Hogan, C.J. 9—92898
Rees, N.J.M. *see* Guest, J.N. 9—68751
Reese, L. *see* Wilkins, K. 9—96654
Reese, R., Jr. *see* Clifton, K.S. 9—80239
Reese, T. *see* Dietrich, L. 9—64835
Reese, T.S. *see* Henkart, M.P. 9—83733
Reeves, C.R., Goldsberry, T.G., Rohde, D.F. Experiments with a large aperture parametric acoustic receiving array 9—64469
Reeves, C.R. *see* Rohde, D.F. 9—90086
Reeves, E.M. *see* Cann, M.W.P. 9—62575
Reeves, R.C. *see* Klip, W. 9—62279, 9—79576
Reeves, R.R. *see* Baldwin, G.C. 9—50153
Reffle, J. *see* Bayreuther, G. 9—69700
Refling, J.G. *see* Aguilar, F. 9—59194
Regan, D., Cynader, M. Neurons in area 18 of cat visual cortex selectively sensitive to changing size: nonlinear interactions between responses to two edges 9—100608
Regan, D., Tansley, B.W. Selective adaptation to frequency-modulated tones: evidence for an information-processing channel selectively sensitive to frequency changes 9—74689
Regan, D. *see* Beverley, K.I. 9—100621
Regato, J.A.Del *see* Del Regato, J.A.
Regel', V.R., Gabaraeva, A.D., Filippov, N.N., Leksovskii, A.M. Measuring the stresses in fibers of a loaded composite material by the method of infrared spectroscopy 9—52559
Regemorter, H.van *see* van Regemorter, H.
Regenstreif, M. *see* Nir, D. 9—93894
Regev, D. *see* Ronen, Y. 9—81000
Reggiani, C., Poggesi, C., Minelli, R. The analysis of some mechanical [and rheological] properties of quiescent myocardium 9—74709
Reggiani, L., Bosi, S., Canali, C., Nava, F., Kozlov, S.F. On the lattice scattering and effective mass of holes in natural diamond 9—60842
Reggiani, L. *see* Bosi, S. 9—60823
Reggiani, L. *see* Jacoboni, C. 9—99553
Reggiani, L. *see* Nava, F. 9—56233
Regidor, J.J. *see* Torralba, M. 9—100517
Regimbal, J.J. *see* Neely, H.H. 9—54544
Regimbart, R. *see* Mathews, G.J. 9—54455
Reginato, L.L. *see* Hester, R.E. 9—76157
Reginski, K. Quasi-continuous model for a crystal with ionic and electronic polarization 9—69053
Regis, M. *see* Bernier, P. 9—82859
Regis, M. *see* Ferre, J. 9—87419
Regis, M. *see* Griffin, J.A. 9—73903
Regler, M. *see* Fidecaro, G. 9—85343

Regnard, J.R., Durr, U. Electronic properties of the Fe^{2+} ion in CaF_2 from Mossbauer and far infrared spectroscopy 9—99803
Regnault, L.P., Rossat-Mignod, J., Villain, J., de Combarieu, A. Specific heat of the quasi2D-XY helimagnets $BaCo_2(AsO_4)_2$ and $BaCo_2(PO_4)_2$ 9—61151
Regnault, L.P. *see* Boucher, J.P. 9—91244
Regnier, J., Thomy, A., Duval, X. Comparative study of the first adsorbed layer of xenon and krypton on boron nitride and graphite 9—73397
Rego, G.Brago *see* Brago Rego, G.
Rego, M., Fernandez-Figueroa, M.J. Mg II and Ca II emissions from three G dwarfs 9—80306
Regolini, J.L., Gibbons, J.F., Sigmon, T.W., Pease, R.F.W., Magee, T.J., Peng, J. Scanning-electron-beam annealing of arsenic-implanted silicon 9—60391
Regolini, J.L., Sigmon, T.W., Gibbons, J.F. Metastable ^{75}As concentrations formed by scanned CW e-beam annealing of ^{75}As-implanted silicon 9—99225
Regolini, J.L., Sigmon, T.W., Gibbons, J.F., Magee, T.J., Peng, J. Recrystallization of ^{75}As implanted silicon by a free running ruby laser 9—73185
Regolini, J.L. *see* Gibbons, J.F. 9—73182, 9—90555
Regourd, M. Polymorphism of tricalcium silicate. New X-ray diffraction data 9—94973
Regueiro, M.Nunez *see* Nunez Regueiro, M.
Reguzzoni, E. *see* Nosenzo, L. 9—56770, 9—69855
Rehaber, E. *see* Dultz, W. 9—55859
Rehak, P. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Rehbein, D.K. *see* Heffner, R.H. 9—56686
Rehbein, U. *see* Sauer, R. 9—95837
Rehberg, U. Dielectric constant of the Bis-(p-toluene sulphonate) of 2,4-hexadiyne-1,6-diol during solid state polymerization 9—51899
Rehfuss, D.E. *see* Kincheloe, N.K. 9—95080
Rehm, K.E. The time dependence of the variances of charge and mass distributions in deep inelastic collisions 9—97651
Rehm, K.E., Essel, H., Hartel, K., Kienle, P., Korner, H.J., Sperr, P., Wagner, W. The time evolution of the equilibration process in $^{208}Pb+^{110}Pd$ collisions 9—97725
Rehm, K.E. *see* Essel, H. 9—67705
Rehm, K.E. *see* Sperr, P. 9—67775
Rehm, K.E. *see* Zierl, R. 9—63701, 9—85835
Rehm, W., Fischer, R. Fast radiationless recombination in amorphous silicon 9—99939
Rehman, M.Saiful *see* Saiful Rehman, M.
Rehmus, P., Berry, R.S. Visualization of electron correlation in a series of helium states 9—49952
Rehn, L.E. *see* Okamoto, P.R. 9—55791, 9—78970
Rehn, V. *see* Knotek, M.L. 9—82459
Rehr, J.J. Confluent singularities and hyperscaling in the spin-$^1/_2$ Ising model 9—73655
Rehr, J.J., Tejwani, M. Thermodynamics of two-dimensional helium films on textured substrates 9—95243
Rehringer, K., Thoma, P. VUV radiometry below 100 nm: the high-power hydrogen arc as a standard source of continuum radiation between 53 nm and 92 nm 9—94311
Reiber, J.H.C., Booman, F., Hong Sie Tan, Slager, C.J., Schuurbiers, J.C.H., Gerbrands, J.J., Meester, G.T. A Cardiac Image Analysis System. Objective quantitative processing of angiocardiograms 9—70629
Reible, S.A. *see* Leonberger, F.J. 9—50242
Reibman, J. *see* Piomelli, S. 9—92190
Reibnegger, G.J. *see* Rode, B.M. 9—89605
Reich, C.W. *see* Gehrke, R.J. 9—59035
Reich, C.W. *see* Lee, M.A. 9—93488
Reich, G.R., Leath, P.L. High-density percolation: exact solution on a Bethe lattice 9—58643
Reich, H. Choice of the measuring quantity for therapy-level dosemeters 9—92379
Reich, H. *see* Gummlich, H. 9—90083
Reich, J., Brings, R., Linz, J., Wucherer, P. Beam quality improvement at JULIC 9—54653
Reich, J. *see* Brautigam, W. 9—54711
Reich, S., Kam, Z. Sunlight scattering intensity fluctuations from asymmetric particles 9—98282
Reich, W. *see* Sofue, Y. 9—53886
Reichardt, W. *see* Weber, W. 9—99283
Reichardt, W. *see* Winter, H. 9—56361
Reichart, W. *see* Boekema, C. 9—56674
Reichart, W. *see* Eder, G. 9—76042
Reichart, W. *see* Haeberli, W. 9—76251
Reichart, W. *see* Preisinger, K. 9—75980
Reichart, W. *see* Ratel, G. 9—75981
Reichart, W. *see* Schmelzbach, P.A. 9—71830
Reiche, K., Pompe, G. Investigation of the thermal and electrical transport properties of niobium and niobium films at temperatures between 9 and 50K 9—87078
Reiche, P. *see* Kaminskii, A.A. 9—91466
Reichel, W. A new flowmeter for the dynamic flow rate measurement 9—60075
Reichelt, A., Winzer, G., Michel, H., Auracher, F., Heyer, F., Rauscher, W. Improved optical tapping elements for graded index optical fibers 9—72701
Reichelt, H.G., Popescu, H.I. The importance of liver uptake and retention indices in assessment of clinical usefulness of hepatobiliary imaging agents 9—83911
Reichelt, K. *see* Lampert, B. 9—73300
Reichelt, W. *see* Wolf, E. 9—69972
Reichert, A. *see* Motzkin, D. 9—74770
Reichert, J.D. Crosbyton: solar gridiron electric power 9—87980
Reichert, J.F., Jarosik, N., Herrick, R., Andersen, J. Observation of electron spin resonance of negative ions in liquid ^3He 9—60582
Reichl, L.E. Microscopic theory of superfluid Fermi systems. I. Binary expansion 9—51338
Reichl, L.E. Microscopic theory of superfluid Fermi systems. II. Application to low density hard sphere system 9—51339
Reichl, L.E. Microscopic theory of Fermi superfluids 9—65281
Reichl, M., Ruge, I. Measurement of the durability of minority charge carriers in silicon during technological procedures 9—56241
Reichman, B., Bard, A.J. The electrochromic process at Wo_3 electrodes prepared by vacuum evaporation and anodic oxidation of W 9—100390
Reichmuth, H.S., Barnes, J.L. Description and analysis of 7.5 watt liquid piston solar thermal pumping engine 9—74537
Reid, A. *see* Holt, J.G. 9—100734
Reid, C., Evans, G.J., Evans, M.W. The far IR absorption of a single crystal of pentachloronitrobenzene 9—73940
Reid, C.J., Yadav, R.A., Evans, G.J., Evans, M.W., Davies, G.J. Liquid state dynamics of CH_2Cl_2. Evaluation of models 9—73087
Reid, D.F., Moore, W.S., Sackett, W.M. Temporal variation of ^{228}Ra in the near-surface Gulf of Mexico 9—66713
Reid, G.C. *see* Liu, S.C. 9—70835
Reid, I.D. An investigation of the accuracy of numerical solutions of Boltzmann's equation for electron swarms in gases with large inelastic cross sections 9—94756
Reid, I.D., Hunter, S.R. Comparison between the Boltzmann and Monte Carlo simulation methods for the determination of electron swarm transport coefficients in molecular hydrogen 9—90359
Reid, J., Garside, B.K., Shewchun, J. Detection of sulphur dioxied at, and below, the part per billion level using a tunable diode laser 9—96497
Reid, J., Laing, E.W. The resistive evolution of force-free magnetic fields. I. Slab geometry 9—68910
Reid, J., Laing, E.W. The resistive evolution of force-free magnetic fields. II. Relation to anisotropic diffusion 9—90382
Reid, J. *see* Brain, T.J.S. 9—68844
Reid, J. *see* El-Sherbiny, M. 9—63993
Reid, J. *see* Znotins, T.A. 9—89926
Reid, J.B. *see* Gallagher, J.M. 9—76100
Reid, J.D. Studies of pollutant transport and turbulent dispersion over ruggest mountainous terrain near Climax, Colorado 9—84349
Reid, J.D. Markov chain simulations of vertical dispersion in the neutral surface layer for surface and elevated releases 9—88399
Reid, J.L., Mantyla, A.W. On the mid-depth circulation of the North Pacific Ocean 9—79851
Reid, J.L. *see* Ray, J.R. 9—67185
Reid, J.M. *see* McGeorge, J.C. 9—93672
Reid, J.S. Dynamic deformation effects on the Debye-Waller factor 9—51207
Reid, J.S. *see* Kerns, Q.A. 9—68058
Reid, J.S. *see* Robertson, B.F. 9—99022
Reid, M.F. *see* Butler, P.H. 9—92968
Reid, M.J. *see* Genzel, R. 9—92836
Reid, M.J. *see* Moran, J.M. 9—92779
Reid, M.J. *see* Spencer, J.H. 9—71037
Reid, R.C. *see* Valencia-Chavez, J.A. 9—69235
Reid, R.J. Pressure measurement in the SRS 9—63264
Reid, R.L., Steiner, D. An economic evaluation of Tokamak power plants 9—76147
Reid, S.R. *see* Reddy, T.Y. 9—50583
Reid, T.J. *see* Emery, W.J. 9—98529
Reid, W.H. An exact solution of the Orr-Sommerfeld equation for plane Couette flow 9—98685
Reidemeister, G. *see* Beart, G. 9—49588
Reidenbach, H.-D. Multimode-optical-waveguides with an elliptical cross-section 9—76844
Reidinger, F., Reilly, J.J., Stoenner, R.W. Single crystal preparation and characterization of the group VA metal hydrides and deuterides 9—95910
Reidinger, F. *see* Thompson, P. 9—51085
Reidy, J.J. *see* Bergmann, R. 9—68335
Reidy, J.J. *see* Leon, M. 9—76534
Reidy, W.P. *see* Zehnpfennig, T.F. 9—75576
Reif, K. *see* Longmore, A.J. 9—71127
Reif, R., Kamins, T.I., Saraswat, K.C. A model for dopant incorporation into growing silicon epitaxial films. I. Theory 9—99228
Reif, R., Kamins, T.I., Saraswat, K.C. A model for dopant incorporation into growing silicon epitaxial films. II. Comparison of theory and experiment 9—99229
Reif, R. *see* Schmidt, R. 9—93644
Reif, T.H., Huffstutler, M.C. A preliminary flow study of a two-dimensional model of a concave-convex pivoting disc prosthetic heart valve 9—84028
Reif, W., Schneider, W. Investigation of the influence of silicon on grain-refinement of aluminium with aluminium-titanium-boron prealloys 9—91656
Reif, W. *see* Schuocker, D. 9—55110, 9—73057
Reifenberger, R., Goldberg, H.A., Lee, M.J.G. Measurement of the total energy distribution in photo-induced field emission 9—74068
Reifenberger, R., Stark, R.W. Magnetic field dependent phase shifts present in the measurement of quantum oscillatory effects 9—77983
Reiff, P.H. *see* Hardy, D.A. 9—70932
Reiff, W.M. *see* Dockum, B.W. 9—54873
Reiffers, S. *see* Paans, A.M.J. 9—54696
Reigber, C. *see* Albuisson, M. 9—62422
Reiger, A.J. Marketplace realities and solar economics 9—57445
Reihl, B., Erbudak, M., Campbell, D.M. Production of spin-polarized electrons by photoemission from GaAs(110) 9—95903
Reihl, B. *see* Eib, W. 9—52074
Reihl, B. *see* Erbudak, M. 9—65978, 9—78831
Reihl, B. *see* Nolting, W. 9—52085
Reihl, R.F. *see* Wang, K.L. 9—77625
Reijnders, H.F.R. *see* Van de Wiel, H.J. 9—88038
Reijnhart, R., Sluman, T.J. Evaporation of volatile liquids and the dispersion of gases in the atmosphere 9—79425
Reik, G., Zacas, M. Strength and deformation characteristics of jointed media in true triaxial compression 9—84235
Reikhart, V.A., Velikanov, A.V., D'yakanov, V.N. Method of detecting longitudinal flaws in the macrostructures of large specimens 9—87777
Reikhrudel, E.M. *see* Gostev, A.V. 9—93258
Reil, K.O., Young, M.F. Prompt burst energetics experiments—uranium carbide series 9—49768
Reiley, T.C., Auble, R.L., Beckers, R.M., Bloom, E.E., Saltmarsh, M.J., Duncan, M.G., Jung, P. The Oak Ridge irradiation creep facility 9—57192
Reilhac, L.de *see* de Reilhac, L.
Reilly, D.M., Warde, C. Temporal characteristics of single-scatter radiation 9—59634
Reilly, J.J. *see* Reidinger, F. 9—95910
Reilly, J.J. *see* Thompson, P. 9—51085
Reilly, L.G., Scott, D.S. Recovery of elemental sulfur during the ammoniacal leaching of copper sulfide 9—52618
Reiman, A. Space-time evolution of nonlinear three-wave interactions. II. Interaction in an inhomogeneous medium 9—84967
Reiman, A. *see* Kaup, D.J. 9—84966
Reimann, A. *see* Nicolau, C. 9—100561
Reimann, B. *see* Nicolau, C. 9—100561
Reimann, B. *see* Perram, J.W. 9—100562
Reimann, J. Heat pumps for heating and for direct domestic hot water supply 9—92088
Reimer, B., Bassler, H. Fast hole transport in polyvinylcarbazole 9—51628
Reimer, H. *see* Kaden, G. 9—56319, 9—82675
Reimer, J.A., Vaughan, R.W. Selective high resolution proton NMR spectra in solids 9—61245
Reimer, L., Spruth, J. Information about the radiation damage of organic molecules by electron diffraction 9—65119
Reimer, L., Wachter, M. Contribution to the contamination problem in transmission electron microscopy 9—54232
Reimer, L. *see* Hagemann, P. 9—99257
Reimer, P. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Reimers, C.E., Komar, P.D. Evidence for explosive volcanic density currents on certain Martian volcanoes 9—84705
Reimers, R., Peterson, J., Avery, R., Halbach, K., Kaviany, M., Lake, A., Main, R., Nissen, R., Singh, J. Magnets in the PEP injection lines 9—68103
Rein, D.W., Hegstrom, R.A., Sandars, P.G.H. Parity non-conserving energy difference between mirror image molecules 9—76366
Rein, G. *see* Maier, K. 9—86919
Reina, C. Internal symmetries of the axisymmetric gravitational fields 9—88849
Reina, C. *see* Benza, V. 9—49126
Reina, C. *see* Maraschi, L. 9—62865
Reinberg, A.R. Plasma deposition of inorganic silicon containing films 9—78904
Reinders, M. *see* Neessen, J. 9—84344
Reinecke, M., Ruder, H. The microscopic foundation of our simple model for backbending-nuclei 9—54386
Reinecke, M. *see* Herold, H. 9—67619
Reinecke, T.L., Ying, S.C. Scaling relations for electron-hole-droplet condensation in semiconductors 9—99484
Reineke, J. *see* Heilig, K. 9—60888

Reineker, P. Coupled coherent and incoherent motion of triplet excitons: influence on the ESR line shape of pairs of differently oriented molecules 9—69427
Reineker, P., Kuhne, R. Born approximation in the Nakajima-Zwanzig generalized master equation for the coupled coherent and incoherent exciton motion 9—60723
Reineker, P. *see* Kuhne, R. 9—51497, 9—90973
Reinen, D., Krause, S. Cooperative Jahn-Teller ordering and magnetic structure-pyridine-N-oxide complexes of Cu^{2+}: $Cu(ONC_5H_5)_6X_2$ [X=ClO_4^-, BF_4^-] 9—60505
Reiner, M.J. A theory of the half-shell πN T-matrix 9—85330
Reiner, T. *see* Sharan, S. 9—80388
Reines, F. Neutrinos at reactors 9—67539
Reines, F. The early days of experimental neutrino physics 9—80408
Reines, F. *see* Pasierb, E. 9—80828
Reinhard, P.-G., Goeke, K. Quantum corrections to optical potentials 9—97690
Reinhardt, E.R. *see* Schurmann, J. 9—83892
Reinhardt, E.R. *see* Schwarzmann, P.W. 9—88225
Reinhardt, H. Path-integral approach to time-dependent self-consistent field theories 9—59023
Reinhardt, H. A note on the foundation of the nuclear field theory 9—85378
Reinhardt, I. *see* Leonhardt, H. 9—79708
Reinhardt, J. *see* Theis, J. 9—89759
Reinhardt, M. *see* Eichendorf, W. 9—53920
Reinhardt, M. *see* Schallwich, D. 9—53832
Reinhardt, V.A. *see* Rueger, L.J. 9—55099
Reinhardt, W.P. L^2 discretization of atomic and molecular electronic continua: Moment, quadrature and J-matrix techniques 9—59425
Reinhardt, W.P. *see* Cerjan, C. 9—98005
Reinhardt, W.P. *see* Jaffe, C. 9—97225
Reinhardt, W.P. *see* Strand, M.P. 9—68183
Reinhart, K.F., Seeliger, R., Graf, V., Noack, F. Proton T_1 NMR investigation of order fluctuations, self-diffusion and rotational motions in isotropic MBBA and EBBA 9—87328
Reinhart, K.F. *see* Rollmann, G. 9—90814
Reinhart, M.E. *see* Kung, M. 9—83824
Reinhartz, K.K. Review of European solar array technology and potential future developments 9—96463
Reinhold, G. *see* Hausler, K.G. 9—96393
Reinhold, I. Velocity profile influence on electromagnetic flowmeter accuracy 9—68856
Reinhold, J. *see* Haberlandt, H. 9—78520
Reinhold, U. *see* Krautheim, G. 9—65256, 9—77828
Reinis, G.J., Cressman, P.J. Tertiary alkylamines as sensitizers for (+) charge injection from selenium into n-dodecane and as ionic (+) charge carriers in n-dodecane 9—91116
Reinisch, R. Theory of nonlinear excitation of surface polaritons in lossy media 9—90974
Reinov, N.M. *see* Kapshin, Yu.S. 9—67392
Reinstein, L.E. *see* McShan, D.L. 9—62336
Reintjes, J. Third-harmonic conversion of XeCl-laser radiation 9—89962
Reintjes, J.F. Generation of coherent radiation in the extreme ultraviolet 9—76758
Reintsema, S.R., Verbiest, E., Odeurs, J., Pattyn, H. Vacancy recovery in heavy ion-implanted refractory BCC metals studied by Mossbauer spectroscopy 9—82896
Reipurth, B. *see* Eichendorf, W. 9—88671
Reis, J. *see* Afanas'yeva, V.I. 9—57849
Reis, S. *see* Herrmann, H. 9—74583
Reischl, G. *see* John, W. 9—57551
Reisdorf, W. *see* Hofmann, S. 9—63636
Reisdorf, W. *see* Schardt, D. 9—93567
Reiser, C. *see* Raj, K. 9—95609
Reiser, M., Namkung, W., Brennan, M.A. Electron model experiment to study instabilities in long periodic focusing systems for intense beams 9—68066
Reiser, M. *see* Destler, W.W. 9—76163
Reiser, M. *see* Striffler, C.D. 9—72020
Reiser, M.P. A collective accelerator as ion source and injector for a heavy-ion cyclotron 9—54618
Reiser, M.P. *see* Destler, W.W. 9—85833
Reisfeld, M.J., Flicker, H. The ν_2 band of N_2O as a frequency standard in the 17-μm region of the infrared 9—63991
Reisfeld, M.J. *see* Fox, K. 9—94036
Reisfeld, R. Possibilities of solar energy utilization 9—52888
Reisfeld, R., Lieblich-Soffer, N. Energy transfer from UO_2^{2+} to Sm^{3+} in phosphate glass 9—78732
Reisfeld, R. *see* Boehm, L. 9—61430
Reisfeld, R. *see* Hormadaly, J. 9—50300
Reisler, H., Mangir, M., Wittig, C. The kinetics of free radicals generated by IR laser photolysis. I. Reactions of $C_2(a^3\Pi_u)$ with NO, vinyl cyanide, and ethylene 9—100352
Reisler, H. *see* Alfassi, Z.B. 9—94224
Reisler, H. *see* Yu, M.H. 9—57255
Reisman, S. Computer model of cerebral blood flow 9—92288
Reismann, B. The intra-operative use of the X-ray television chain with videorecorder—a contribution to a reduction of the radiation exposure and an improvement in diagnostic reliability 9—92334
Reismann, H., Pawlik, P.S. Dynamics of initially stressed hyperelastic solids 9—68638
Reiss, A. Concerning the connection between congruence relationsand ideal neutrals in lattices 9—80533
Reiss, C. *see* Gabbarro-Arpa, J. 9—88048
Reiss, C. *see* Tourbez, H. 9—66445
Reiss, C. *see* Villar, J.G. 9—66462
Reiss, G. *see* Durrant, C.J. 9—66980
Reiss, H.R. Field intensity and relativistic considerations in the choice of gauge in electrodynamics 9—54287
Reiss-Husson, F. *see* Villar, J.G. 9—66462
Reisser, H. *see* Hoffmann, H.-J. 9—51672
Reissner, E. On lateral buckling of end-loaded cantilever beams 9—50617
Reissner, J.N. The influence of texture anisotropy on the deformation forming limits of austenitic stainless steel sheet 9—91706
Reistad, G.M. *see* Kreitlow, D.B. 9—57356
Reiswig, R.D. *see* Agnew, L. 9—68107
Reitan, A. Fresnel and recoil corrections to the Glauber theory of elastic electron scattering by hydrogen atoms and hydrogen-like ions 9—50131
Reitblat, V.L. *see* Khokhlov, V.F. 9—59104
Reiter, F.W. Thermal outgassing behaviour of Inconel 600 after different methods of surface preparation 9—67952
Reiter, G. Microscopic critical dynamics of one-dimensional spin systems 9—69683
Reiter, G. Spin wave theory in lower dimensional systems: Failure of the dynamic scaling hypothesis in the ferromagnetic chain 9—78284
Reiter, G. *see* Heilmann, I.U. 9—91223
Reiter, G. *see* Stuart, K. 9—78291
Reiter, H. *see* Baxter, C.F.G. 9—83391
Reiter, K. How does one measure 0.000 000 000 000 000 000 05 A? 9—54153
Reiter, K. *see* Kunstle, K. 9—87944
Reiter, R., Sladkovic, R., Potzl, K. The dependence of chemical components of the clean air aerosol on the type of air mass and meteorology 9—53412
Reiter, W.L., Stengl, G. Voltage dividers for stable running of photomultipliers for high and large changes in count rates 9—68172
Reiterov, V.M. *see* Ershov, N.N. 9—99933
Reiterov, V.M. *see* Murin, I.V. 9—95705
Reiterov, V.M. *see* Zakharov, G.M. 9—65958
Reith, T.M., Ficalora, P.J. Ultrathin metal oxide layers by reactive sputtering: their controlled deposition and characterization 9—78887
Reitlinger, S.A. *see* Kapanin, V.V. 9—65205
Reitsamer, G., Falta, G., Nabielek, H. Retention of solid fission products in HTR oxide fuel 9—54507
Reitsema, H. Gases of mud volcanoes in the Copper River Basin, Alaska 9—84308
Reitsema, H.J. Saturn's rings 9—101115
Reitz, G. *see* Henrion, G. 9—52668
Reitz, H., Kutzelnigg, W. Direct calculation of energy differences by a common unitary transformation of two model states, with application to ionization potentials 9—97967
Reitz, J.R., Stearns, M.B. Theory of spin wave spectra in Heusler alloys 9—78354
Reitz, P.R. *see* Charlton, D. 9—94367
Reitz, R.D., Bracco, F.V. Ultra-high-speed filming of atomizing jets 9—68777
Reivich, M. *see* Greenberg, J.H. 9—100641
Reix, M. *see* Spassky, N. 9—66438
Reizer, M.Yu. Absorption of sound in semiconductors at very low temperatures 9—95089
Rej, A.K. *see* Barroso, A. 9—71839
Rej, D.J. *see* Tuszewski, M. 9—82089
Rejf, P. *see* Konstantinidis, S. 9—49647
Rek, A. *see* Tousek, J. 9—70043
Rek, Z., Szczekowski, M. The new elementary particle—lepton τ 9—89216
Rek, Z.J. *see* Daboul, J. 9—67606
Rek, Z.J. *see* Gutbrod, F. 9—75706
Rekalo, A.P. *see* Rekalo, M.P. 9—58918, 9—75712
Rekalo, M.P. Hypothesis of the conservation of a weak vector current and the mass of a neutrino ν_e 9—89215
Rekalo, M.P. Three-particle semileptonic decays of τ lepton and locality of leptonic weak current 9—97643
Rekalo, M.P., Kovalchuk, V.A., Rekalo, A.P. Breaking of the μe universality in weak interaction with neutral weak currents 9—58918
Rekalo, M.P., Koval'chuk, V.A., Rekalo, A.P. Breakdown of μe universality of neutral weak currents in unified models of weak and electromagnetic interactions 9—75712
Rekalo, M.P. *see* Barannik, V.P. 9—85349
Rekalo, M.P. *see* Merenkov, N.P. 9—58964
Rekashova, T.N. *see* Veselov, M.G. 9—93922
Rekhson, S.M. *see* Gonukova, N.O. 9—66137
Reklaitis, A.S. *see* Vorob'ev, L.E. 9—60844
Reksnys, R. *see* Viscakes, J. 9—65519
Rekstad, J., Guttormsen, M., Engeland, T., Lovhoiden, G., Straume, O., Lien, J., Ellegaard, C.E. The ^{153}Sm nucleus: an experimental and theoretical study 9—58999
Rekstad, J., Osnes, E. Future prospects for nuclear physics with the Oslo cyclotron. II 9—49881
Rekstad, J.R. *see* Lien, J.R. 9—85353
Rekveldt, M.Th., van Schaik, F.J. Static and dynamic neutron depolarization studies of ferromagnetic domain structures 9—82812
Relat, C. *see* Goris, M.L. 9—70625
Relkin, E.M., Saunders, J.C., Konkle, D.F. The development of middle-ear admittance in the hamster 9—88088
Remarchuk, B.F. *see* Aref'yev, K.M. 9—77330
Rembeza, S.I. *see* Kirillov, V.I. 9—73343
Reme, H. *see* Anderson, K.A. 9—75042
Remeika, J.P. *see* Lemons, R.A. 9—65949
Remeika, J.P. *see* Rado, G.T. 9—78530
Remeiko, O.A. *see* Belyakov, V.V. 9—71922
Remenyi, J. Restoration of the corrosion resistance of sensitized austenitic forgings 9—66074
Remenyik, C.J., Kellermayer, M. A fluid mechanical hypothesis for macromolecular transport in living cells. I 9—62219
Remesnik, V.G. *see* Klimin, A.N. 9—94181
Remeta, E.Yu. *see* Aleksandrov, B.M. 9—63709
Remez, R.E. Adaptation of the category boundary between speech and nonspeech: a case against feature detectors 9—72763
Remiddi, E. *see* Barbieri, R. 9—58943, 9—80809
Remillieux, J. *see* Cue, N. 9—64103, 9—76484
Remizov, A.B., Fishman, A.I., Pominov, I.S. The spectra and structure of sulphur-containing organic compounds. I. The vibrational spectra of dimethylsulphite and dimethylsulphite-d_6 9—91443
Remizov, A.B., Fishman, A.I., Pominov, I.S. The spectra and structure of sulphur-containing organic compounds. II. The vibrational spectra and internal rotation of dimethylsulphate 9—91444
Remizov, V.Ya. *see* Slutskovskii, A.I. 9—74984
Remizova, A.A. *see* Lonchin, G.M. 9—96126
Remizovich, V.S., Rudenko, A.I. The effect of space charge electric field on ion implantation in dielectrics 9—82250
Remke, R.L., Walser, R.M., Bene, R.W. Transition layers between VO_2 films and oxide substrates 9—95533
Remler, E.A. Intranuclear transport theory 9—80902
Remmel'gas, E.E. *see* Fedorov, A.M. 9—67343
Remmer, W. *see* Baribaud, G. 9—72209
Remmers, G.F. *see* Verweij, H. 9—51926
Remmers, J.E. *see* Baker, J.P. 9—100647
Remneva, T.E. *see* Chutov, Yu.I. 9—55594
Remo, J.L. *see* Johnson, A.A. 9—80283
Remoissenet, M., Peyrard, M. Soliton Brownian motion and impurities effects in one dimensional superionic conductors 9—77814
Remon Sancho, A. *see* Legros-de Mauduit, B. 9—60374
Rempel, S. *see* Billinghurst, M.W. 9—83907
Remplewski, H. *see* Otter, G. 9—85338
Remsbuerg, E.E., Buglia, J.J., Woodbury, G.E. The nocturnal inversion and its effect on the dispersion of carbon monoxide at ground level in Hampton, Virginia 9—92563
Remy, F. *see* Dumont, M.N. 9—98157
Remy, L., Laniesse, J., Aubert, H. Precipitation behaviour and creep rupture of 706 type alloys 9—74158
Remzhin, Yu.N. *see* Ivanov, V.A. 9—97885
Ren-hui Wang *see* Wang Ren-hui
Ren-ji Chang *see* Chang Ren-ji
Ren-kui Xie *see* Xie Ren-kui
Renard, A., Mostin, N. Safety aspects of micro-heterogeneities in LWR mixed oxide fuels 9—49798
Renard, D. *see* Zogheib, H. 9—90498
Renard, E.V. *see* Vereshchagin, V.E. 9—71937, 9—71940
Renard, F.M. Mixing of intermediate bosons with QQ̄ bound states 9—75719
Renard, F.M. *see* Gaemers, K.J.F. 9—49502
Renard, F.M. *see* Gounaris, G.J. 9—63405
Renard, G. *see* Mariani, J.J. 9—64423
Renard, J.C. *see* Raffy, H. 9—61017
Renard, J.P., Pommier, J., Ferre, J., Knorr, K. Magnetic properties of amorphous manganese aluminosilicates: spin-glass like behaviour at low temperature 9—61177
Renard, J.P. *see* Beauvillain, P. 9—61149
Renard, J.P. *see* Boucher, J.P. 9—91244
Renard, J.P. *see* Bourdel, D. 9—61208
Renard, J.P. *see* Velu, E. 9—61099
Renard, J.-P. *see* Chappert, C. 9—82808
Renard, M. *see* Brunet, P. 9—72052
Renard, M. *see* Brunet, Y. 9—61018, 9—73648
Renard, R. *see* Coutures, J.P. 9—70268
Renaut, D. *see* Pourny, J.C. 9—66809
Renberg, P.-U. *see* Holm, S. 9—54726
Rendall, R.E.G., Skikne, M.I. Submicroscopic asbestos fibres in industrial atmospheres 9—74585
Rendall, R.E.G. *see* Skikne, M.I. 9—74825

Rendel', Yu.S. Investigation of spatial and temporal correlation of the intensity fluctuations of helium-neon laser radiation 9—81473
Rendon-Diazmiron, L.E., Steinfink, H. The stabilization of tetravalent iron in tetrahedral sulfur coordination 9—60326
Rendon-Herrero, O. Unit sediment graph 9—79902
Renero, C. *see* Prieto, F.E. 9—95117
Renfro, G.M., Fischbeck, H.J. Optically stimulated exoelectron emission from potassium chloride single crystals 9—95908
Rengan, S.Kasthuri *see* Kasthuri Rengan, S.
Renger, A. A compact equation for vibration systems in simultaneous continuous and discrete stochastic processes 9—55337
Renhorn, I. *see* Lagerqvist, A. 9—50040
Renieri, A. Free electron laser amplifier operation in storage ring 9—68399
Renieri, A. *see* Bambini, A. 9—76655
Renieri, A. *see* Barbini, R. 9—68030
Renk, F.J., Wayner, P.C., Jr. An evaporating ethanol meniscus. I. Experimental studies 9—77868
Renk, F.J., Wayner, P.C., Jr. An evaporating ethanol meniscus. II. Analytical studies 9—82416
Renk, K.F. *see* Eisfeld, W. 9—65149
Renken, J.H. Corrections for prompt-fission-neutron uranium logging data 9—88353
Renken, J.H. *see* Sutherland, S.H. 9—59205
Renker, B. *see* Schweiss, P. 9—51714
Renker, D. *see* Alder, J.-C. 9—85381
Renker, D. *see* Gabioud, B. 9—67600
Renker, D. *see* Strassner, G. 9—89280
Renn, A. *see* Dohnt, G. 9—94040
Renna, L. *see* Anni, R. 9—63687
Renneberg, M. Trends in thermometry 9—85135
Renneberg, W. *see* Evangelista, C. 9—80843
Renner, G. *see* Gottstein, G. 9—91686
Renner, J.W., Nickel, J.A. Physics and the experiment in the secondary schools 9—71170
Renner, O. *see* Hrdy, J. 9—82958
Renner, P. *see* Enderlein, R. 9—82950
Renner, W.D., O'Connor, T.P., Paulauskas, N.M. Computer assistance in planning radiotherapy seed implants 9—100711
Rennhack, E.H., Crooks, D.D. Elevated temperature plastic anisotropy of Ti-6Al-4V plate 9—61663
Rennie, R. Role of breather solutions in the statistical mechanics of sine-Gordon chains 9—85212
Renninger, A.L., Uhlmann, D.R. Structure of glassy polymers. V. Small-angle X-ray scattering from polystyrene 9—73109
Renon, H. *see* Beutier, D. 9—51258
Renouard, D. *see* Chabert d'Hieres, G. 9—62518
Renouprez, A.J., Fouilloux, P., Candy, J.P., Tomkinson, J. Chemisorption of water on nickel surfaces 9—69353
Renouprez, A.J. *see* Krasser, W. 9—61368
Rensbergen, W.van *see* van Rensbergen, W.
Rensel, W.B. *see* Wise, K.D. 9—89495
Rensfelt, K.G. *see* Roulet, C. 9—75854
Renshall, H.R. *see* Brown, R.M. 9—71761
Renshall, J.T. *see* Quittner, E. 9—96469
Rensink, M.E. *see* Moir, R.W. 9—71972
Renson, P. Probable periodicities of the Ap stars ξPhe and HD 30849 9—101157
Renton, P. *see* Blietschau, J. 9—93396
Renton, P. *see* De Clercq, C. 9—89188
Rentrop, P. Stability curves for thin spherical caps and hemispheres 9—81745
Rentsch, I., Gartner, U., Muller, P., Kerk, L. Percutaneous transhepatic cholangiography (PTC) and/or endoscopic retrograde cholangiopancreaticography (ERCP)—rival or complementary procedures? 9—92333
Rentsch, S., Swoboda, W. Experiments of self-focusing and stimulated Raman scattering in solutions of organic molecules and their connection with the Kerr constant K_1 of the solutions 9—61355
Rentschler, I. *see* Wilson, H.R. 9—74678
Rentzepis, P.M. Picosecond chemical and biological events 9—54195
Rentzepis, P.M. *see* Kobayashi, T. 9—81227
Renucci, P. *see* Gaudart, L. 9—83107
Renuka, G. Effect of electric field on the drift of charged particles in Mead and Mead-Williams geomagnetic fields 9—84592
Renuka, G., Viswanathan, K.S. Instabilities of the whistler mode in the magnetosphere 9—88551
Renzini, A. Supernova precursors 9—53841
Repa, I.I. *see* Dudko, D.Ya. 9—50571
Repacholi, M.H., Benwell, D.A. Using surveys of ultrasound therapy devices to draft performance standards 9—79613
Repele, G.R. *see* Zhagata, L.A. 9—87583
Repelin, Y., Husson, E., Brusset, H. IR absorption and Raman scattering spectral studies of $A^{II}B_2{}^{V}O_6$ compounds of the '1×2 block' type structure. I. $BaNb_2O_6$ 9—91446
Repellin, J.-P. *see* Bourquin, M. 9—71768
Repeshko-Kravchenko, S.I. *see* Naida, Yu.I. 9—100073
Repeta, L. *see* Glenn, J.W. 9—72045
Repeta, L. *see* Yamin, P. 9—72187
Repetin, L.N., Rossov, V.V., Latun, V.S. Hydrometeorological conditions and basic water masses in the north-western sector of the South Atlantic anticyclonic gyre 9—100863
Repetskii, S.P. *see* Davidovskii, V.M. 9—51548
Repets'kii, S.P. *see* Zubchenko, V.S. 9—99528
Repetur, H. *see* Noel, F. 9—58298
Repii, V.A. *see* Yastrebkov, A.A. 9—69978
Repinskii, G.N. Keplerian binoculars with an erecting lens system 9—72662
Repinskii, S.M., Semenova, O.I. Applicability of Kossel's crystal model to the process of solution of monocrystalline germanium in sulfur vapor 9—87833
Repko, W.W. *see* Cung, V.K. 9—76538
Repnow, R., Ingwersen, H., Jaeschke, E., Kandler, H., Walcher, Th. The computer-control-system of the Heidelberg postaccelerator 9—72214
Repnow, R. *see* Jaeschke, E. 9—72002
Repo, R.U. *see* Finlay, J.B. 9—92254
Reppe, K. Computation of magnetic fields with the aid of conformal mapping by numerical integration of the Schwarz-Christoffel mapping function 9—89826
Repplinger, W. *see* Mohr, W. 9—57195
Reppy, J.D. *see* Alvesalo, T.A. 9—51360
Reppy, J.D. *see* Archie, C.N. 9—51358, 9—82408
Reppy, J.D. *see* Bishop, D.J. 9—51384
Reppy, J.D. *see* Parpia, J.M. 9—51357
Reppy, J.D. *see* Smith, E.N. 9—51385
Reprintsev, L.V. *see* Batygin, Yu.V. 9—63856
Repukhov, V.M. *see* Shvets, I.T. 9—98718
Requejo, A., West, R.H., Hatcher, P.G., McGillivary, P.A. Polychlorinated biphenyls and chlorinated pesticides in soils of the Everglades National Park and adjacent agricultural areas 9—92098
Requin, F. *see* Jullien, J. 9—54989
Rerych, S.K. *see* Bates, B.B. 9—57762
Resandt, R.W.Wijaendts van *see* Wijaendts van Resandt, R.W.
Resandt, R.W.Wijnaendts Van *see* Wijnaendts Van Resandt, R.W.
Resca, L., Resta, R. Large binding due to dispersive screening and Bloch function interference in many-valley semiconductors 9—51525
Resca, L., Resta, R. Rydberg states in condensed matter 9—69425
Resch, F.J., Selva, J.P. Turbulent air-water mass transfer under varied stratification conditions 9—84389
Resch, G.M. *see* Niell, A.E. 9—79722
Reschke, R., Trautwein, A., Harris, F.E., Date, S.K. Electronic structure, electron density, electric field gradient, magnetic susceptibility and G-tensor of $K_3Fe(CN)_6$ 9—91006
Reschke, R. *see* Friedt, J.M. 9—61282
Reschke, R. *see* Sanchez, J.P. 9—60776
Rescigno, T.N., Gerwer, A., McKoy, B.V., Langhoff, P.W. On π-shell photoionization in molecular nitrogen 9—98163
Rescigno, T.N., Orel, A.E. Theoretical study of the 400 eV core-excited valence states of N_2 9—68196
Rescigno, T.N. *see* Bender, C.F. 9—89624
Resegotti, L. *see* Billan, J. 9—72049
Resegotti, L. *see* Gourber, J.P. 9—72051
Resenov, S.P., Lunk, A. Investigation of processes in the active zone of a hollow cathode arc discharge. II. The balance equations, results 9—68963
Reshetnikov, B.S. *see* Leont'eva, I.A. 9—100116
Reshetnikov, F.G., Bibilashvili, Yu.K., Kushakovskii, V.I. Power-reactor fuel-producing problems 9—97812
Reshetnikova, K.A. *see* Ivanov, S.T. 9—59622
Reshetov, A.L. *see* Bakshi, O.A. 9—83287
Reshetov, V.I. *see* Kozlovskii, V.I. 9—89929
Reshilov, A.B. *see* Gordienko, V.M. 9—99271
Reshina, I.I. *see* Alieva, L.N. 9—95777
Resibois, P. H-theorem for the (modified) nonlinear Enskog equation 9—60242
Resing, H.A., Garroway, A.N. NMR proton relaxation in trioxane and trithiane [rel. to polymerization] 9—73843
Resmini, F., Bellomo, G., Fabrici, E., Blosser, H.G., Johnson, D. Design characteristics of the K=800 superconducting cyclotron at MSU 9—54664
Resmini, F. *see* Acerbi, E. 9—54659, 9—54669
Resmini, F. *see* Bellomo, G. 9—54616, 9—54665
Resmini, F. *see* Blosser, H. 9—68011
Resmini, F. *see* Fabrici, E. 9—93633
Resmini, F.G. *see* Bacher, A.D. 9—85482
Resnick, O. *see* Bronzino, J.D. 9—83742
Resnick, S.B., Weiss, M.S., Heinz, J.M. Masking of filtered noise bursts by synthetic vowels 9—94412
Resnyansky, Yu.D. *see* Zilitinkevich, S.S. 9—84292
Rest, J., Gehl, S.M. Mobility of fission gas bubbles during transient heating conditions 9—59189
Rest, J. *see* Wang, W.L. 9—59190
Resta, R. Dielectric behavior of a doped semiconductor 9—73460
Resta, R. *see* Resca, L. 9—51525, 9—69425
Restelli, G., Capellani, F., Melandrone, G. Evaluation of CF_2Cl_2 spectral parameters for atmospheric sensing 9—84481
Restelli, G. *see* Cappellani, F. 9—62582, 9—98086
Restorff, J.B. *see* Allgaier, R.S. 9—56329, 9—95514
Restuccia, A. *see* Aragone, C. 9—49414
Resvanis, L.K. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Retallack, D.S. Observations of galactic H II regions with the Fleurs Synthesis Telescope 9—53899
Retelewska, W., Leyko, W. Effect of ionizing radiation on the energy metabolism of hog lymphocytes 9—92301
Retter, J.A. *see* Hahn, Y. 9—54416
Retting, W. The effect of molecular orientation on the mechanical properties of rubber-modified polystyrene: A report of the IUPAC working party 'structure and properties of commercial polymers' being the second in a programme of study on orientation in polymers 9—52331
Rettinghaus, G. *see* Huber, W.K. 9—85198
Rettori, A. *see* Borchi, E. 9—61043, 9—95384
Rettori, C. *see* Barberis, G.E. 9—69719, 9—78514, 9—87315
Rettori, C. *see* Davidov, D. 9—99765
Retz, R. *see* Hardt, A. 9—63257
Retzer, G. A passive detection system for a wide class of illuminator signals 9—64408
Retzloff, D.G. *see* DeFacio, B. 9—97193
Reuber, E. *see* Ueda, K. 9—60234
Reucroft, P.J. *see* Shalvoy, R.B. 9—83506
Reucroft, S. *see* Fry, J.R. 9—54366
Reul, H., Ghista, D.N. In vitro performance of the Reul-Ghista optimal tri-leaflet aortic valve prosthesis 9—92432
Reusch, M.F. Nonequilibrium stability of resistive magnetohydrodynamic pinches 9—50877
Reuss, J. *see* Thuis, H. 9—72376
Reuss, J. *see* Van Lumig, A. 9—89821
Reut, E.G. Characteristics of the broadband luminescence of Eu and Yb ions in crystals with the fluorite structure 9—65923
Reuter, B. *see* Schutte, L. 9—60324
Reuter, H.J., Reuter, M., Loenicker, E. Improved photodocumentation of nuclear medical examinations with the gamma camera in a comparison with other methods 9—83898
Reuter, K. *see* Frey, U. 9—51894
Reuter, M. *see* Reuter, H.J. 9—83898
Reuter, T. *see* Donner, K.O. 9—79532
Reuter, U. On the mutual interaction of overheated ascending bubbles 9—84362
Reuter, W. *see* Cuomo, J.J. 9—78886
Reuters, H. *see* Hackmann, J. 9—68909
Reutov, V.F., Farkhutdinov, K.G. Equipment for jet electropolishing or radioactive samples for transmission-type electron microscopy 9—87766
Reuvers, A.P. *see* Chapman, J.D. 9—79609
Revai, J. *see* Fonseca, A.C. 9—93534
Revai, J. *see* Gyarmati, B. 9—92979
Revannasiddaiah, D., Krishnamurti, D. Birefringence of N-(p-propoxybenzylidene)-p-pentylaniline and N-(p-butoxybenzylidene)-p-pentylaniline 9—90538
Revel, D. *see* Brandelik, R. 9—63491, 9—93441
Revel, G., Pastol, J.-L., Rouchaud, J.-C., Fromageau, R. Purification of magnesium by vacuum distillation 9—52138
Revel, J.P. *see* Lazarides, E. 9—100586
ReVelle, D.O. A quasi-simple ablation model for large meteorite entry: theory vs. observations 9—66967
Revenko, V.I. *see* Belyi, N.M. 9—69433
Reves, F. *see* Beke, D.L. 9—69282
Revesz, A.G. The role of hydrogen in SiO_2 films on silicon 9—69376
Revesz, A.G. On the initial oxidation rate of silicon 9—91817
Revesz, G., Kundel, H.L. A laser scanner for the densitometric analysis of radiographs 9—70619
Revin, V.V., Timofeev, K.N., Fedorov, G.E., Kol's, O.R. Investigation of free-radical processes in frog nerve during conduction of rhythmic excitation 9—70543
Revitz, M., Raider, S.I., Gdula, R.A. Effect of high-temperature, postoxidation annealing on the electrical properties of the Si-SiO_2 interface 9—82673
Reviznikov, L.I. *see* Kazennov, Yu.I. 9—83327
Revokatov, O.P. *see* Aksenov, S.I. 9—53033
Revol, J.-F. *see* Poulin-Dandurand, S. 9—94924
Revol, J.P. *see* Barber, D. 9—54289, 9—54346
Revol, J.P. *see* Barber, D.P. 9—89175, 9—97631
Revunova, N.S. *see* Lemberskii, V.B. 9—91898
Revutskii, V.M. *see* Lazarenko, B.R. 9—83146
Revyakin, A.V. *see* Kozina, L.N. 9—55889
Revyakin, A.V. *see* Savitskii, E.M. 9—57007
Revzen, M., Cremer, S. Linearization by functional integral 9—63141
Rex, A.F. *see* Friedberg, C.B. 9—87182
Rex, D., Ebeling, W.D. Photovoltaic generators in space with concentrating reflectors 9—96472
Rex, D.C. *see* Morton, W.H. 9—84204
Rexer, H.U. *see* Ruska, J. 9—82174
Rexroth, P.E., Starkovich, V. Two-phase momentum exchange experiment and analysis 9—49751

Rey, C., Schon, J.P., Mathieu, J. Buoyancy effects in a wind tunnel simulation of the atmospheric boundary layer 9—68687
Rey, C. *see* Morel, R. 9—64664
Rey, G. *see* Marty, A. 9—87149
Rey, M.Del *see* Del Rey, M.
Rey-Lafon, M., Loyzance, P.L., Boissier, M., Vacher, R. Brillouin scattering study of elastic properties related to polymorphism in 2-chloronapththalene 9—77669
Reya, E. Measuring the triple-gluon vertex 9—71695
Reya, E. Can recently measured moments of $F_3^{\nu N}$ discriminate between field theories of strong interactions? 9—75774
Reya, E. *see* Gluck, M. 9—54312, 9—89105
Reye, H. *see* Schmalzried, H. 9—83179
Reyermann, P. *see* Ajello, J.M. 9—89718
Reyes, L.A. *see* Fryer, R.M. 9—67919
Reyher, H.J., Hahn, K., Vetter, T., Winnacker, A. Electron spin resonance and the spatial extension of the relaxed excited state of F- and F_A-centres 9—73812
Reyher, H.J. *see* Hahn, K. 9—87335
Reymann, Z. *see* Steller, K. 9—61819
Reyment, R.A. Biostratigraphical logging methods 9—62594
Reyna, E. *see* Gilchrist, W.A., Jr. 9—59593
Reyna, E. *see* Kirwan, A.D., Jr. 9—79850
Reynaert, J.C. *see* Coppens, P. 9—94044
Reynaud, B. *see* Dartyge, E. 9—73235
Reynaud, C., Pommier, J., Vu Ngoc Tuan, Barat, M. Composition of He metastable beams formed by charge exchange in He^+-alkali-metal collisions at medium energy 9—89775
Reynaud, S. *see* Himbert, M. 9—89972
Reynhardt, E.C., Lourens, J.A.J., Smit, E. ^1H second moment in $Co(NH_3)_6Cl_3$ 9—95652
Reynolds, A.C. Boundary conditions for the numerical solution of wave propagation problems 9—53310
Reynolds, A.F. *see* Bell, C. 9—96643
Reynolds, B.G. *see* Gelbard, E.M. 9—89405
Reynolds, C.L., Jr. Correlation between the low temperature phonon mean free path and glass transition temperature in amorphous solids 9—51226
Reynolds, C.L., Jr. *see* Matsumoto, D.S. 9—73322
Reynolds, C.P. *see* Wilson, A.T. 9—62574
Reynolds, D.A., Broell, F.G. Design features of an automated entry-control system [nuclear facilities] 9—85688
Reynolds, D.C. *see* Almassy, R.J. 9—87503
Reynolds, D.W. *see* Poellot, M.R. 9—58077
Reynolds, G. *see* Gozani, T. 9—52848
Reynolds, G.A. *see* Isett, L.C. 9—56207
Reynolds, G.H. Nickel-chromium alloy submerged arc weld surfacing using metal powder filler additions 9—57157
Reynolds, G.L., Burton, B. Grain-boundary diffusion in uranium dioxide: The correlation between sintering and creep and a reinterpretation of creep mechanism 9—66111
Reynolds, J.H., Frick, U., Neil, J.M., Phinney, D.L. Rare-gas-rich separates from carbonaceous chondrites 9—62796
Reynolds, K.M. *see* Wood, A.K.W. 9—100743
Reynolds, P. *see* Hancox, R. 9—71976
Reynolds, P.A. An X-ray diffraction study of the crystal structures of hexamethylethane and its phase transitions 9—73158
Reynolds, P.A., Markey, B.R. On the relative stability of ordered F43m, and disordered, Fm3m, adamantane crystals 9—73119
Reynolds, P.H., Olojo, E.O., Stukas, V.J., Clay, W. $^{40}Ar/^{39}Ar$ dating of dikes from the Frontenac Axis and implications for Grenville paleomagnetism 9—62466
Reynolds, P.J. *see* Nakanishi, H. 9—63159
Reynolds, P.J. *see* Shlifer, G. 9—69481
Reynolds, R.J., Ogden, P.M. Optical evidence for a very large, expanding shell associated with the I Orion OB association, Barnard's loop, and the high galactic latitude Hα filaments in Eridanus 9—53866
Reynolds, R.T., Cassen, P.M. On the internal structure of the major satellites of the outer planets 9—62770
Reynolds, R.W. *see* Case, W.E. 9—93219
Reynolds, S.G. *see* Platt, B.C. 9—85172
Reynolds, T. *see* Cassen, P. 9—84690
Reynolds, W.C. *see* Clark, R.A. 9—50709
Reynolds, W.D. Field desorption mass spectrometry 9—92015
Reynolds, W.N., Wilkinson, S.J., Spooner, D.C. Ultrasonic wave velocities in concrete 9—52545
Rez, I.S. *see* Pakhomov, V.I. 9—99224
Rezaev, N.I., Tabibi, M.B. Degree of depolarization of stimulated Raman scattering lines in solutions 9—55184
Rezayi, E.H., Sak, J., Talukdar, S. Renormalization group for one-dimensional Fermi systems: three-loop scaling equations 9—80508
Rezchikov, V.G., Rudnevskii, N.K., Usvatov, V.A. Spectral analysis of steels with the use of a combined discharge 9—57327
Rezek, E.A., Chin, R., Holonyak, N., Jr., Kirchoefer, S.W., Kolbas, R.M. Phonon-assisted recombination in a multiple-quantum-well LPE InP-$In_{1-x}Ga_xP_{1-z}As_z$ heterostructure laser 9—89906
Rezek, E.A. *see* Chin, R. 9—91483
Rezende, S.M. *see* Engelsberg, M. 9—73838
Rezende, S.M. *see* Montarroyos, E. 9—78666
Rezer, B.I., Shaikina, O.I. Calculation of the density of electron state 9—82507
Rezhenov, B.V., Fel'dshteyn, A.I. Effect of the fluctuations of the B_Z component of the interplanetary magnetic field on the equatorial electrojet in various intervals of local time 9—53697
Rezhenov, B.V., Vorobjev, V.G., Feldstein, Y.I. The interplanetary magnetic field B_z-component influence on the geomagnetic field variations and on the auroral dynamics 9—62689
Rezlescu, N. *see* Craus, M.-L. 9—60338
Reznicek, P., Stetina, K. Fractography of an Al-Si 12-Cu-Mg-Ni cast alloy 9—87809
Reznichenko, L.A. *see* Turik, A.V. 9—87375
Reznichenko, V.A., Karyazin, I.A., Il'yashchenko, S.F. Density of titanium melts with differing valencies [oxides] 9—69173
Reznichenko, V.A. *see* Semenov, L.N. 9—52566
Reznichenko, V.V. *see* Somov, A.I. 9—78866
Reznik, B.I. *see* Lomanov, M.F. 9—100752
Reznik, H.G. *see* Riekel, C. 9—73150
Reznik, I.M., Tolpygo, K.B. Ground state of the electron subsystem in A^NB^{8-N} type crystals in the quasimolecular model 9—69055
Reznik, L.E. Influence of a heavy cation on the singlet-triplet intercombination in the molecular anion NO_2^- 9—85946
Reznikov, A.G. *see* Zalesskaya, I.M. 9—78917
Reznikov, B.S. *see* Nemirovskii, Yu.V. 9—90185
Reznikov, E.A. The investigation of the movement of Comet Pons-Winnecke 9—92723
Reznikov, E.A. *see* Kondrat'eva, E.D. 9—92729
Reznikov, G.T. *see* Yermakov, S.S. 9—100088
Reznikov, I.V. *see* Vysotskii, E.N. 9—72643
Reznikov, R. *see* Belogurov, V. 9—67819
Reznikova, E.D. *see* Barykin, B.M. 9—87603
Reznikova, I.I. *see* Veselova, T.V. 9—87848
Reztsov, V.F. *see* Emets, Y.P. 9—60862
Rezunenko, V.O. *see* Vyazmitinov, I.A. 9—94126
Rezvani, B., Linvill, J.G. Measurement of piezoelectric parameters versus bias field strength in polyvinylidene fluoride (PVF_2) 9—91376
Rezvanov, R.A. The effect of rock densities on results of neutron borehole measurements 9—88500
Rezvov, V. *see* Venikov, N. 9—54651
Rezvov, V.A. *see* Larin, I.G. 9—68168
Rezvyi, R.R. *see* Kontsevoi, Yu.A. 9—69894
Rhandour, A. *see* Lucat, C. 9—99360
Rhead, G. *see* Barthes, M.-G. 9—51397
Rhead, G.E. *see* Barthes, M.-G. 9—86998
Rhee, M.J. *see* Striffler, C.D. 9—72020
Rheingold, A.L. *see* Lewis, J.E. 9—56719
Rheinlander, B. *see* Breitenstein, O. 9—65512
Rheme, C. *see* Ionescu, V. 9—76261
Rhim, W.K. *see* Burum, D.P. 9—67365, 9—93183
Rhines, D.S. *see* Polychronakos, V.A. 9—49539
Rho, M. *see* Brown, G.E. 9—49452, 9—75771
Rho, M., Wilkinson, D. *(editor)* Mesons in nuclei, vol. I 9—97661
Rho, M. *see* Balian, R. *(editor)* 9—71864
Rhoades, T. *see* Gannon, J.C. 9—72139
Rhoades, T.G. *see* Cline, D.B. 9—68004
Rhodes, C.G., Paton, N.E. Formation characteristics of the α/β interface phase in Ti-6Al-4V 9—52272
Rhodes, C.K., Hoff, P.W. Applications of excimer systems 9—81441
Rhodes, C.K. *see* Bischel, W.K. 9—59745, 9—83478, 9—86050
Rhodes, C.K. *see* Bokor, J. 9—94049
Rhodes, C.K. *see* Eggleston, J. 9—86165
Rhodes, C.K. *(editor)* Excimer lasers 9—81415
Rhodes, D.J., Sachse, W. Arrival times of scattered ultrasonic signals from a solid inclusion in an elastic material 9—72735
Rhodes, E. *see* Wu Person, L. 9—54537
Rhodes, E.A. *see* DeVolpi, A. 9—49776
Rhodes, J. Secondary local buckling in thin-walled sections 9—98644
Rhodes, J. *see* Marshall, I.H. 9—98642
Rhodes, J.M., Dungan, M.A., Blanchard, D.P., Long, P.E. Magma mixing at mid-ocean ridges: evidence from basalts drilled near 22°N on the Mid-Atlantic Ridge 9—88335
Rhodes, R.H. *see* Clare, L.P. 9—74201
Rhodes, W.T. Temporal frequency carriers in noncoherent optical processing 9—76623
Rhodes, W.T. Wideband spectrum analysis with area modulation: comment 9—94159
Rhodes-Robinson, P.F. On surface waves in the presence of immersed vertical boundaries. I 9—77150
Rhodes-Robinson, P.F. On surface waves in the presence of immersed vertical boundaries. II 9—77151
Rhodin, T.N. *see* Capehart, T.W. 9—69360, 9—77909
Rhude, H.V. *see* DeVolpi, A. 9—49776
Rhyne, J.J., Lynn, J.W., Luborsky, F.E., Walter, J.L. Spin excitations in amorphous transition metal-boron glasses 9—73701
Rhyne, J.J. *see* Alperin, H.A. 9—78314
Rhyne, J.J. *see* Fish, G.E. 9—78327
Rhyne, J.J. *see* Forester, D.W. 9—61141
Rhyne, J.J. *see* Koon, N.C. 9—78351
Rhzhik, A.B., Makhin, V.S. Inhibition of the ignition of coal-dust aerocolloids 9—100375
Riadovikov, V.N. *see* de Wolf, E.A. 9—49543
Rialland, J.F., Perron, J.C., Robert, J. Densities and surface tensions of Se_xTe_{1-x} melts 9—86831
Riaz, M. Long-term storage of solar energy in native rock 9—57474
Riazi, A., Christensen, D.A., Gandhi, O.P. Image profile upon passage through a Fabry-Perot interferometer of large Fresnel number 9—54177
Riazuddin, Fayyazuddin Quark mass ratios due to Goldstone pseudoscalar meson pairs 9—80770
Riazuddin, Fayyazuddin Electromagnetic decays of vector and pseudoscalar mesons in a dispersion-theoretic approach 9—93423
Ribaric, M., Stojanovski, D. Investigation of experimentally determined functional dependences by osculating curves 9—93109
Ribaric, M., Zeks, B. Phase transitions of real fluids and Thom's theory of catastrophes 9—55864
Ribaric, M., Zeks, B. P, ρ, T surfaces of real gases and butterfly catastrophe 9—86546
Ribaric, S. *see* Gyergyek, L. 9—83958
Ribaric, V. The Idrija earthquake of March 26, 1511—a reconstruction of some seismological parameters 9—84180
Ribault, M., Benoit, A. Pressure cells and a hydraulic press working down to 10 mK 9—63229
Ribault, M., Benoit, A., Flouquet, J., Palleau, J. Thermal expansion of Al_3Ce at very low temperatures 9—90803
Ribault, M. *see* Benoit, A. 9—61171
Ribbe, P.H. *see* Dodd, C.G. 9—61468
Ribe, N.M. *see* Richter, F.M. 9—66656
Ribeiro de Faria, M. *see* Albeverio, S. 9—93085
Ribes, M. *see* Ali Kone 9—65482
Ribitsch, V. *see* Schurz, J. 9—79584
Ribner, H.S. *see* Niedzwiecki, A. 9—50505, 9—72751
Ribot, J.H.J.M., Bass, J., van Kempen, H., Wyder, P. Further evidence for electron-electron scattering in aluminum 9—69488
Ribot, J.H.J.M. *see* Van Kempen, H. 9—60794
Ribotta, R. Critical behaviour of the penetratiion length of a vortex into a subcritical region 9—55662
Ribotta, R., Durand, G. High frequency electrohydrodynamical instabilities in nematic liquid crystals 9—94879
Ricany, J. *see* Stubna, M. 9—89374
Ricard, A. *see* Moisan, M. 9—50868
Ricard, D., Chesnoy, J. Coherent excitation, resonant energy transfer and vibrational relaxation 9—98178
Ricard, G. Rheological model use or proposal for the description of the flow curves of drilling muds and of cement slurries. New method of determination of parameters 9—64615
Ricard, L., Prost, J. 'Second sound' propagation and the smectic response function 9—86693
Riccardi, R. *see* Massarotti, V. 9—61857
Riccati, L. *see* Angelini, C. 9—67548
Riccati, L. *see* Armenise, N. 9—67533
Ricci, F. *see* Amaldi, E. 9—67217
Ricci, F.J. Computerised cardiovascular modelling to study the effect of pressure regulation in hypertension 9—88098
Ricci, G., Dupre, S., Federici, G., Spoto, G., Matarese, R.M., Cavallini, D. Oxidation of hypotaurine to taurine by ultraviolet irradiation 9—96617
Ricci, M.V. *see* Rasotti, G. 9—67953
Ricci, P., Inhaber, H., Pinchuk, M. Canadian urban air quality, 1971-1975 9—70479
Riccia, G.D. The transistor as a model for a living structure 9—74590
Ricciardi, L.M. Diffusion approximations to neuronal activity and to the time dependent threshold problem 9—74639
Riccio, D.C. *see* Mactutus, C.F. 9—83735
Ricco, G. *see* Capitani, G.P. 9—72034
Ricco, G. *see* Giannini, M.M. 9—93579
Ricco, T., Pavan, A., Danusso, F. Crazing within glassy occlusions in rubber particles of toughened glassy polymers: a micromechanical investigation 9—91824
Rice, C.J. *see* Chiu, Y.T. 9—84557
Rice, D.H. *see* Hartill, D.L. 9—76210
Rice, D.H. *see* Helmke, R.G. 9—72069
Rice, D.H. *see* Littauer, R. 9—72210
Rice, D.P. Spectral lineshape calculation for a stratospheric emission model 9—62586
Rice, D.W. *see* Banks, R.D. 9—74595
Rice, J. *see* Overskei, D.O. 9—60173
Rice, J.R., Rudnicki, J.W. Earthquake precursory effects due to pore fluid stabilization of a weakening fault zone 9—84145
Rice, J.R. *see* Kohn, W. 9—87794

Rice, M.J. Charged II-phase kinks in lightly doped polyacetylene 9—56163
Rice, M.J. Towards the experimental determination of the fundamental microscopic parameters of organic ion-radical compounds 9—78025
Rice, M.J. Charge density wave systems: The ϕ-particle model 9—82537
Rice, M.J., Timonen, J. Insulator-to-metal transition in doped polyacetylene 9—99483
Rice, M.J. *see* Pietronero, L. 9—95411
Rice, Q.A. An inexpensive LF meter 9—85128
Rice, R.C. *see* Bouwer, H. 9—84325
Rice, R.E., Cohen, B.M. Phase change thermal storage for a solar total energy system 9—57481
Rice, R.E. *see* Monson, L.R. 9—97874
Rice, R.K. *see* Button, T.M. 9—49975
Rice, R.R. *see* Hall, D.G. 9—94372
Rice, R.W., Donahue, T.J. Effect of inhomogeneous porosity distribution on elastic moduli of ceramics 9—87674
Rice, S.A., Butler, P.R., Pilling, M.J., Baird, J.K. A solution of the Debye-Smoluchowski equation for the rate of reaction of ions in dilute solution 9—66259
Rice, S.A. *see* Chernoff, D.A. 9—54903, 9—54904
Rice, S.A. *see* Sceats, M.G. 9—68993, 9—93972, 9—93973
Rice, S.A. *see* Tusa, J. 9—64081
Rice, S.L. Variations in wear resistance due to microstructural condition in high strength steel under repetitive impact 9—74263
Rice, T.M. The electron-hole liquid 9—82527
Rice, T.M. *see* Beni, G. 9—69429
Rice, T.M. *see* Bhatt, R.N. 9—95801
Rice, T.M. *see* Capizzi, M. 9—91477
Rice, T.M. *see* Di Salvo, F.J., Jr. 9—56148
Rice, T.M. *see* Lee, P.A. 9—73454
Rice, W. *see* Truman, C.R. 9—77136
Rice, W.W. *see* Tiee, J.J. 9—98131
Rice, W.W. *see* Wampler, F.B. 9—64034
Rich, D.A. *see* Dhawan, V.M. 9—70612
Rich, D.C. *see* Billmeyer, F.W., Jr. 9—67372
Rich, F.J., Sagalyn, R.C., Wildman, P.J.L. Electron temperature profiles measured up to 8000 km by S3-3 in the late afternoon sector 9—70917
Rich, J. *see* Benvenuti, A. 9—49508
Rich, J.A. *see* Benvenuti, A. 9—58951
Richard, B. *see* Alais, P. 9—74734
Richard, F. *see* Albrow, M. 9—97605
Richard, F.V. *see* Hickernell, F.S. 9—55251
Richard, H., Steffenhagen, K. Parallelisms between the diffraction patterns known from optics and the sidebands occurring in amplitude modulation 9—89854
Richard, J. *see* Favennec, P.N. 9—78184
Richard, J. *see* Le Contellec, M. 9—90906
Richard, J. *see* Morin, F. 9—78198
Richard, J.-M. Remarks on the orbital mixing in muonium and charmonium 9—49496
Richard, J.-M. Isospin and baryonium 9—85260
Richard, J.-M., Sidhu, D.P. QCD and the spin dependent forces in quarkonium 9—63421
Richard, P. *see* Allegre, C.J. 9—92512
Richard, P. *see* Gardner, R.K. 9—78794
Richard, P. *see* Gray, T.J. 9—69906
Richard, P. *see* Hall, J.M. 9—61465
Richard, P. *see* Tawara, H. 9—76379, 9—83060
Richard, S. *see* Clark, D.H. 9—84766
Richards, B.E., Stollery, J.L. Laminar film cooling experiments in hypersonic flow 9—94648
Richards, B.G. *see* Anderson, C.R. 9—80735, 9—91329
Richards, C.E. *see* Deans, W.F. 9—83411
Richards, C.J. Micrometeorological characteristics of the 1976 hot spells 9—79961
Richards, C.W., Crane, C.M. The accuracy of finite difference schemes for the numerical solution of the Navier-Stokes equations 9—92946
Richards, D. *see* Percival, I.C. 9—72389
Richards, D.J. *see* Islam, M.S. 9—59986
Richards, E.J., Westcott, M.E., Jeyapalan, R.K. On the prediction of impact noise. I. Acceleration noise 9—72752
Richards, E.L. *see* Bansal, O.P. 9—51745
Richards, G.P. *see* Chetverikov, A.G. 9—53031
Richards, J.A. *see* Winters, J.L. 9—93250
Richards, J.B. *see* Lawton, S.A. 9—86159
Richards, K.L. *see* Davis, J.G. 9—57730
Richards, L. A small-scale computerized isotope record monitoring system 9—70652
Richards, L.E. *see* Ayers, J.D. 9—61580
Richards, L.M. *see* Auerbach, J.M. 9—98979
Richards, M.G. NMR studies of adsorbed ^{3}He 9—65286
Richards, M.G. *see* Allen, A.R. 9—56026
Richards, M.G. *see* Owers-Bradley, J.R. 9—51374
Richards, O.W. A small Spencer folding pocket microscope 9—85176
Richards, P., Ku, T.H. The ^{122}Xe-^{122}I system: a generator for the 3.62-min positron emitter, ^{122}I 9—100740
Richards, P. *see* Klopper, J.F. 9—62411
Richards, P.H. *see* Adrain, R.S. 9—60083
Richards, P.L., Shen, T.M., Harris, R.E., Lloyd, F.L. Quasiparticle heterodyne mixing in SIS tunnel junctions 9—56395
Richards, P.L. *see* Haller, E.E. 9—63305
Richards, P.L. *see* Woody, D.P. 9—71161
Richards, P.M. *see* Azevedo, L.J. 9—73715, 9—99786
Richards, T.L., Jha, S.K. A simplified finite element method for studying acoustic characteristics inside a car cavity 9—81627
Richards, T.W.D., Carter, A.C., Wilson, C.G. 'Introduction to non-destructive testing' a film for applied science and engineering students 9—80395
Richards, W. Why rods and cones? [vision normalisation] 9—100609
Richards, W.G. *see* Suk Ping So 9—89610
Richards, W.J., Stephens, W.E. Long-distance transfer of TRIGA reactor fuel 9—67929
Richardson, A.T. *see* Worraker, W.J. 9—77269
Richardson, C.N. *see* Eley, D.D. 9—92461
Richardson, D. *see* Bross, A. 9—89517
Richardson, E.H. Some features of the Canada-France-Hawaii telescope. I. Before-foci optical design 9—101062
Richardson, E.H. *see* Morbey, C.L. 9—97440
Richardson, H.K. *see* Slattery, G.F. 9—61621
Richardson, J.A. *see* Armstrong, T.A. 9—85344
Richardson, J.A. *see* Winkler, P.F., Jr. 9—53876
Richardson, J.F. *see* Mirza, S. 9—87881
Richardson, J.L. The heavy quark potential and the Υ, J/ψ systems 9—49456
Richardson, J.M. The inverse problem of elastic wave scattering at long wavelengths 9—55819
Richardson, J.R. Future directions for isochronous cyclotrons 9—54724
Richardson, J.R. *see* Bugg, D.V. 9—67594
Richardson, J.R. *see* Craddock, M.K. 9—54728
Richardson, L.M., Scarfone, L.M. Electron mobility in semiconductors based on a dielectric function modification of the Dingle potential 9—60836
Richardson, L.M., Scarfone, L.M. Corrections to the impurity-ion potential characterized by a spatially variable dielectric function; corresponding electron-conductivity mobility in silicon and germanium 9—78105
Richardson, M. *see* Chestnut, R. 9—89531
Richardson, M.B., Van Horn, H.M., Savedoff, M.P. A code for general relativistic stellar evolution 9—58317
Richardson, M.C. *see* Baldis, H.A. 9—55506
Richardson, M.C. *see* Ebrahim, N.A. 9—98970
Richardson, M.C. *see* Enright, G.D. 9—90454
Richardson, M.C. *see* Jaanimagi, P.A. 9—90391
Richardson, M.C. *see* Joshi, C. 9—73033
Richardson, M.C. *see* Villeneuve, D.M. 9—90456
Richardson, M.W. *see* Depmeier, W. 9—52091
Richardson, N.V. *see* Nyberg, G.L. 9—91568
Richardson, P.D. Platelet adhesion in a flow chamber 9—79589
Richardson, P.D., Galletti, P.M. Hydrodynamics of blood manifolds on artificial organs 9—79588
Richardson, P.D. *see* Abts, L. 9—84068
Richardson, R.C. *see* Alvesalo, T.A. 9—51360
Richardson, R.C. *see* Archie, C.N. 9—51358, 9—82408
Richardson, R.C. *see* Lee, D.M. 9—99388
Richardson, R.J., Wiswall, C.E. Chemically pumped iodine laser 9—98348
Richardson, R.J. *see* Lilenfeld, H.V. 9—68205
Richardson, R.M. *see* Leadbetter, A.J. 9—86700
Richardson, S.A. *see* Walker, R. 9—70266
Richardson, T.W. *see* Porter, W.A. 9—74026
Richardson, V.J. *see* Osborne, M.P. 9—96649
Riche, J. *see* Kissler, K.H. 9—72137
Richel, H. *see* Berlanger, M. 9—67636
Richel, H. *see* Roulet, C. 9—75854
Richels, R. *see* Braun, C. 9—83548
Richels, R.G. *see* Gilbert, R.J. 9—83547
Richer, H.B., Olander, N., Westerlund, B.E. Carbon stars in the Large Magellanic Cloud: photometry, spectroscopy, and evolutionary implications 9—71019
Richhardt, H.W., Fuhrmann, G.F., Knauf, P.A. Dog red blood cells exhibit a Ca-stimulated increase in K permeability in the absence of (Na,K)ATPase activity 9—62218
Richiardone, R. *see* Bossa, F. 9—58016
Richiardone, R. *see* Santomauro, L. 9—70853
Richied, D. *see* Brindza, P. 9—68085
Richied, D.E. *see* Brindza, P.D. 9—72013
Richman, M.H. *see* Jennings, H.M. 9—55685
Richman, M.S., Bainum, D.E., Richter, C.W. Therapeutic and research applications of a 40 MeV electron linear accelerator 9—57752
Richman, M.S. *see* Doss, L.L. 9—100742
Richmond, A.D. Large-amplitude gravity wave energy production and dissipation in the thermosphere 9—74997
Richmond, G.M. *see* Baker, R.G. 9—66727
Richmond, R. *see* Gmuer, K. 9—67836
Richmond, R. *see* McCombie, C. 9—81037
Richon, G., Gouault, J. The ohmic stability and low temperature coefficient of resistance of Cu-Ni/Au-Ni multilayers obtained in ultrahigh vacuum by controlled co-evaporation 9—78226
Richter, A., Goedsche, F., Ropke, G. Functional integral approach for a doubly degenerate Hubbard model 9—99711
Richter, A., Mizia, J. On the charge-ordered solution of the half-filled Hubbard model 9—61034
Richter, A. *see* Fortune, H.T. 9—93655
Richter, A. *see* Genz, H. 9—98228
Richter, A. *see* Gross, W. 9—71817
Richter, A. *see* Kern, H. 9—84244
Richter, A. *see* Schneider, R. 9—75847
Richter, A. *see* Wastyn, P. 9—59084
Richter, A.K., Keppler, E., Axford, W.I., Denskat, K.U. Dynamics of low-energy electrons ($\geq$17 keV) and ions ($\geq$80 keV) in the vicinity of the low-latitude, duskside magnetopause; Helios 1 and 2 observations 9—75045
Richter, A.K. *see* Morfill, G. 9—75067
Richter, B. The next generation of accelerators 9—72122
Richter, B. *see* Abrams, G.S. 9—89149, 9—89174
Richter, B. *see* Chilingarov, A. 9—54368
Richter, B. *see* Rapidis, P.A. 9—75780
Richter, C.W. *see* Richman, M.S. 9—57752
Richter, D. Present status of proton diffusion studies 9—55933
Richter, D., Ewen, B. Non-periodic molecular motions in the modifications C and D of uniaxially oriented n-$C_{33}H_{68}$ 9—51024
Richter, D. *see* Hartmann, O. 9—56696
Richter, D. *see* Kehr, K.W. 9—56682, 9—60558
Richter, D. *see* Lebsanft, E. 9—65243
Richter, D. *see* Niinikoski, T.O. 9—56684
Richter, E., Fahr, H.J., Nass, H.U. Satellite particle exospheres of planets: application to Earth 9—101097
Richter, E.S., Sechrist, C.F., Jr. A meteor ablation-cluster ion atmospheric sodium theory 9—58138
Richter, E.S., Sechrist, C.F., Jr. A cluster ion chemistry for the mesospheric sodium layer 9—74934
Richter, E.W. *see* Gerlich, G. 9—72994
Richter, F.M., Ribe, N.M. On the importance of advection in determining the local isotopic composition of the mantle 9—66656
Richter, F.-W. *see* Holzenkampfer, E. 9—61213
Richter, G. *see* Mund, K. 9—92428
Richter, G.M. On the gain of quality by the superposition of plates 9—75114
Richter, G.M. On the measurement of astronomical plates with the automatic microdensitometer 9—80230
Richter, H., Brocke, H.-D. Influencing the microstructural deformation process in Si surfaces by impurity type 9—65107
Richter, H. *see* Piel, A. 9—60199
Richter, H.A., Schoenmackers, J. Insufficiency, pressure loss and energy loss of artificial heart valves in the mitral-position 9—83818
Richter, H.J. *see* Wallis, G.B. 9—55412
Richter, J., Schiller, W. Temperature dependence of the electrical resistivity of disordered alloys 9—56185
Richter, J. *see* Haberkorn, W. 9—73638
Richter, J. *see* Marek, J. 9—49987
Richter, L., Gomer, R. The effect of metallic adsorbates on the surface resonances of the tungsten and molybdenum (100) planes 9—65983
Richter, M. *see* Chestnut, R. 9—89533
Richter, N. On the real number of objects in the Tautenburg catalogues of blue objects suspected as quasistellar (QSO) 9—80365
Richter, P. *see* Lorincz, E. 9—98342
Richter, P.H. The Lyot depolarizer in quasimonochromatic light 9—62747
Richter, P.H. *see* Jahnig, F. 9—54038
Richter, R. *see* Becker, H. 9—54363, 9—63533
Richter, R. *see* Blanar, G. 9—76285
Richter, R. *see* Chupp, W. 9—72039
Richter, R. *see* Einfeld, D. 9—68021
Richter, R. *see* Goedsche, F. 9—51541
Richter, R.M. *see* Barale, J.J. 9—72186
Richter, W. Increasing of the magnetic field sensitivity of thin film SQUIDs by galvanically coupling to superconducting antennas 9—85154
Richter, W. Induction magnetometer for biomagnetic fields 9—88207
Richtmyer, R.D. Principles of advanced mathematical physics, vol.I 9—63090
Richton, R.E. *see* Farrow, L.A. 9—54916
Rickard, C.L., Dahlberg, R.C. Nuclear power: a balanced approach 9—59248
Rickard, J.J. *see* Cronyn, W.M. 9—58214
Rickard, J.T., Dentino, M.J., Zeidler, J.R. Detection performance of an adaptive processor in non-stationary noise 9—59868
Rickard, K.A. *see* Lytton, D.G. 9—74605
Rickel, J. *see* Fleer, R. 9—91884
Rickerby, D.G. Observations on the hardness anisotropy in MgO and LiF 9—79085
Rickerby, D.G., Bai, B.N.P., Macmillan, N.H. The effect of crystallographic orientation on damage in MgO due to spherical particle impact 9—79135
Rickert, P.G. *see* Seitz, M.G. 9—67893
Rickert, S.E., Balik, C.M., Hopfinger, A.J. Organization and assembly of macromolecules on inorganic substrates 9—69342
Rickertsen, L.D. *see* Stokstad, R.G. 9—93656
Ricketson, B.W. *see* Blundell, D.J. 9—58700
Ricketts, C.I. *see* Gregory, W.S. 9—81020
Ricketts, M.J. *see* King, A.R. 9—67033
Ricketts, M.J. *see* White, G.J. 9—67112
Rickey, F.A. *see* de Lima, A.P. 9—54377

Rickli, A. *see* Schmid, J.J. 9—89999
Ricort, G., Aime, C. Solar seeing and the statistical properties of the photospheric solar granulation. III. Solar speckle interferometry 9—88634
Ricort, G. *see* Aime, C. 9—101078
Ricort, G. *see* Martin, F. 9—80513
Riddell, R.J., Jr. Boundary-distribution solution of the Helmholtz equation for a region with corners 9—58532
Riddell, R.J., Jr. Numerical solution of the Helmholtz equation for two-dimensional polygonal regions 9—63005
Ridder, H.J. The use of the variable focus X-ray tube in the aerospace industry 9—80734
Ridder, R.de *see* de Ridder, R.
Riddihough, R.P. Gravity and structure of an active margin—British Columbia and Washington 9—92516
Riddihough, R.P. *see* Hyndman, R.D. 9—92518
Riddle, A.C. *see* Kaiser, M.L. 9—84732
Riddle, M.M. *see* Smialowicz, R.J. 9—100667
Riddle, T.W., Mahan, A.H., Dunning, F.B., Walters, G.K. Effects of adsorbates on electron spin polarization in low energy electron diffraction from tungsten (001). I. Disordered CO and O_2 overlayers 9—60632
Riddle, T.W., Mahan, A.H., Dunning, F.B., Walters, G.K. Effects of adsorbates on electron spin polarization in low energy electron diffraction from tungsten (001). II. Ordered CO overlayer 9—60633
Ride, S.K., Colson, W.B. A free-electron laser in a uniform magnetic field 9—94203
Ride, S.K. *see* Colson, W.B. 9—93847
Rideau, G. Quantization of the Maxwell field in linear conformal invariant gauges 9—71666
Ridener, F.L., Jr. *see* Grotch, H. 9—67738
Rideout, S.P. *see* Ondrejcin, R.S. 9—70226
Ridge, M.I. *see* Howson, R.P. 9—87588
Ridge, R.J. *see* Ray, L. 9—63669
Ridgeley, A. *see* Fawcett, B.C. 9—81175
Ridges, J.D. *see* Parker, D.L. 9—70592
Ridges, J.D. *see* Pryor, T.A. 9—62392
Ridgway, S.T. *see* Scoville, N.Z. 9—101184
Ridgway, S.T. *see* Tokunaga, A.T. 9—96947
Ridky, J. *see* Boos, E.G. 9—89203
Ridley, A.P., Seeley, M.W. Evidence for recent coastal uplift near Al Jubail, Saudi Arabia 9—79799
Ridley, A.P. *see* O'Rourke, J.E. 9—79729
Ridley, H.B. Meteorites 9—96977
Ridley, N. *see* Al-Salman, S.A. 9—83201
Ridley, W.I. *see* Elthon, D. 9—88319
Ridyard, J.N.A. *see* Palmer, M.H. 9—49937
Rieber, K. *see* Lubecki, A. 9—88479
Riechelt, K., Mair, G. Preparation of CuI films on NaCl single crystals by reactive sputtering and characterization by electron microscopy and Rutherford backscattering 9—90900
Rieck, G.D. *see* Maas, J.H. 9—74095
Rieck, H. *see* Beckert, U. 9—94131
Rieckmann, P. Erosion at metal surfaces by ultrasonic activation 9—57122
Riede, V., Sobotta, H., Heumann, H., Hoang Xuan Nguyen, Moller, W., Kuhn, G. Infrared optical properties of $CuInTe_2$ 9—82974
Riedel, A.A. *see* Bacon, F.M. 9—49883
Riedel, C., Norenberg, W. Theoretical estimates for the production of transuranium elements in heavy-ion collisions 9—54454
Riedel, C. *see* Norenberg, W. 9—49639
Riedel, E.K. *see* Domany, E. 9—73731, 9—85095
Riedel, E.K. *see* Nienhuis, B. 9—99706
Riedel, J. RF systems 9—54671
Riedel, W. *see* Puder, J. 9—63313
Rieder, G. Frequency-dependent dielectric behavior of amorphous silicon thin films 9—99549
Rieder, G., Fallmann, W. Model for the AC properties of dielectric thin films 9—91352
Rieder, K.H., Engel, T. Structural investigation of an adsorbate-covered surface with He diffraction: Ni (110)+(1×2)H 9—86984
Riedi, P.C., King, A.R., Jaccarino, V. Impurity thermodynamics of a Heisenberg antiferromanget—Mn:FeF_2 9—61098
Riedinger, L.L. *see* Toth, K.S. 9—67721
Riedinger-Ordonez, I. *see* Fintz, P. 9—67711
Riedinger-Ordonez, I. *see* Guillaume, G. 9—67627
Riedl, R. A suggestion for the consistent determination of austenite grain size 9—74332
Riedle, R. Non-destructive measurement of crack depth by DC conduction or potential methods 9—52550
Riedner, R.J. *see* Cartz, L. 9—99106
Rief, H. *see* Dubi, A. 9—71385
Rief, H. *see* Matthes, W. 9—85571
Rieflin, E. Some mechanisms related to Dirac's strings 9—62958
Riege, H. *see* Krusche, A. 9—72074
Rieger, H. *see* Steinheil, E. 9—95896
Rieger, P. *see* Erben, A. 9—75587, 9—76782
Rieger, R.A. *see* Duckworth, W.H. 9—96233
Rieger, W.A. *see* Pickup, G. 9—74907
Riegl, I. *see* Zwick, U. 9—50383
Riegler, G. *see* Rothschild, R. 9—58248
Riegler, G.R. *see* Agrawal, P.C. 9—92891
Riegler, G.R. *see* Cordova, F.A. 9—71054
Riego, A.R., Leite, J.R., de Siqueira, M.L. The Xα scattered-wave cluster model of hydrogen atom trapped in crystalline matrix of argon 9—73468
Riehemann, W., Nembach, E. Elastic constants of Cu-rich Cu-Au solid solutions 9—87681
Riehl, H. Occurrence and structure of the equatorial trough zone in Venezuela 9—79974
Riehl, H. Recent tropical experiments in the general context of tropical meteorology 9—92583
Riehl, H., Greenhut, G., Bean, B.R. Energy transfer in the tropical subcloud layer measured with CD-6 aircraft during GATE 9—79989
Riehm, P.F., Carter, J., Speis, T.P., Lorenz, R., Kushner, A. Multidimensional aspects of steam explosion propagation phenomena 9—89420
Riehs, P. *see* Eder, G. 9—76042
Riehs, P. *see* Preisinger, K. 9—75980
Riehs, P. *see* Ratel, G. 9—75981
Rieke, G.H. *see* Lebofsky, L.A. 9—53768, 9—75135
Rieke, G.K. Construction of an inexpensive hydraulic microdrive for recording single nerve cell activity 9—70727
Rieke, J.K. *see* Bhateja, S.K. 9—100242
Riekel, C., Fischer, C.O. A neutron diffraction study on the intercalation of deuteropyridine into tantalumdisulfide 9—90612
Riekel, C., Heidemann, A., Fender, B.E.F., Stirling, G.C. A study of the motions of NH_3 in TaS_2 by quasielastic neutron scattering 9—90827
Riekel, C., Reznik, H.G., Schollhorn, R., Wright, C.J. Neutron diffraction study on formation and structure of D_xTaS_2 and H_xNbS_2 9—73150
Riekel, C. *see* Hewat, A.W. 9—73134
Riel, N.H.van *see* van Riel, N.H.
Riemann, K.-U. *see* Ecker, G. 9—73055
Riemann, T. *see* Klein, M. 9—85259
Riemer, R. *see* De Clercq, C. 9—89188
Riemslag, F.C.C. *see* Schellart, N.A.M. 9—79538
Riepe, G., Protic, D. High-purity germanium detectors with both contacts made by ion-implantation 9—97949
Rieppo, R. Determination of the absolute Th- and U-abundances with calculated efficiency values of NaI-detectors 9—80043
Ries, G., Winter, H. Application of fast self-consistent cluster calculations for large systems to the electronic structure of solids 9—82513
Ries, G. *see* Winter, H. 9—56361
Riess, H. *see* McGraw, R. 9—80553
Riessler, W.A. *see* Sattler, J.P. 9—59449
Riester, J.L. *see* Armenise, N. 9—67533
Riesz, P. *see* Rustgi, S. 9—88053
Rietema, K. A critical review of the theory of potential flow of solids around rising bubbles in gas-solid fluidization in relation to the structure and rheology of the dense phase 9—86501
Riethmuller, R. *see* Brandelik, R. 9—63491, 9—93441
Rietshel, H. *see* Winter, H. 9—56361
Rieu, J. *see* Mudry, F. 9—52367
Rieubland, J.-M. *see* Niinikoski, T.O. 9—78569
Riezebos, P.A. Petrographic aspects of a sequence of Quaternary volcanic ashes from the Laguna de Fuquene area, Colombia and their stratigraphic significance 9—84206
Riffel, R.E. *see* Fleeter, S. 9—77167
Rifkin, D. *see* Siegel, B. 9—96523
Rigaud, F., Petit, G.Y., Dalmas, J., Irigaray, J.L., Suffert, M., Saporetti, F., Longo, G., Guidotti, R. Differential cross sections for radiative capture of energetic protons by ^{110}Cd and ^{115}In 9—93617
Rigaux, C. *see* Bastard, G. 9—91473
Rigaux, C. *see* Guldner, Y. 9—82960
Rigdahl, M. Calculation of residual thermal stresses in injection molded amorphous polymers by the finite element method 9—55322
Riggi, F. *see* Barbarino, S. 9—67759
Riggins, R.S., Cartwright, A.G., Ruckers, R.B. Viscoelastic properties of copper deficient chick bone 9—79578
Riggio, A.M. *see* Cosentino, P. 9—79734
Riggs, L.A. *see* Butler, T.W. 9—53121
Riggs, L.A. *see* King-Smith, P.E. 9—53142
Riggs, W.M. *see* Hovland, C.T. 9—70396
Righetti, A., Brandon, G., Ratib, O. Varifocal imaging in cardiology 9—70631
Righetti, G.B. *see* Ascoli-Bartoli, U. 9—60170
Righi, R., Venturi, G. A nonlinear approach to quantum scalar electrodynamics 9—80776
Righi, R., Venturi, G. Fermions in a nonlinear approach to quantum electrodynamics 9—97545
Righini, R. *see* Califano, S. 9—82290
Righini-Cohen, G. *see* Simon, M. 9—71095
Rigler, R., Grasselli, P., Ehrenberg, M. Fluorescence correlation spectroscopy and application to the study of Brownian motion of biopolymers 9—62193
Rigney, D.A. Dislocation content at large plastic strains 9—74224
Rigney, D.A., Hirth, J.P. Plastic deformation and sliding friction of metals 9—87743
Rigny, P. *see* Weulersse, J.M. 9—99784
Rigo, S. *see* Rosencher, E. 9—52400
Rigolot, A. *see* Gilibert, Y. 9—90191
Rigoult, J., Tomas, A., Guidi-Morosini, C. Optimisation of the absorption correction 9—68973
Rigoult, J. *see* Tomas, A. 9—60335
Rihel, R.K. *see* Ahlman, R.S. 9—67991, 9—72012
Rihon, N. Field-emission microscopy from glass-coated tips. Observation of Fowler-Nordheim emission regime and of periodic current oscillations 9—95907
Rihon, N., Dao Viet, D. Influence of steps on the electronic structure of iridium (111) surface field-emission spectroscopy study 9—100026
Riihimaa, J.J. Drift rates of Jupiter's S-bursts 9—75146
Riihonen, M. *see* Hyvonen-Dabek, M. 9—92449
Riikonen, H., Tiainen, O.J.A., Ruotsalainen, S. The influence of district heat production on the operation and safety of light water reactors at nuclear heat and power stations 9—85624
Riittinen, H. *see* Kohonen, T. 9—59888
Rijckevorsel, J.Van *see* Van Rijckevorsel, J.
Rijken, T.A. *see* Austen, G.J.M. 9—67525
Rijken, T.A. *see* Nagels, M.M. 9—67526
Rijks, H.J., Bloem, J., Giling, L.J. Heat treatment of silicon and the nature of thermally induced donors 9—78035
Rijks, H.J., Bloem, J., Giling, L.J. The effect of trace amounts of oxygen on the HCl etching of silicon 9—91818
Rijnsdorp, J., Jellinek, F. Preparation, crystal structure, and properties of the mixed-valence compound $Nb_2Se_5Cl_7$ 9—65040
Rijsdijk, J.P. *see* van der Wildt, G.J. 9—79552, 9—79553
Rijskamp, A. *see* Paans, A.M.J. 9—54696
Rijssenbeek, M.M.H.M. *see* van Apeldoorn, G.W. 9—89177
Rijsterborgh, H. *see* Ligtvoet, C. 9—62316
Rikards, R.B. *see* Lukoshevichyus, R.S. 9—86352
Rikhireva, G.T., Pulatova, M.K., Turganov, M.M., Pal'mina, N.P., Burlakova, Ye.B. Study of the reactions of tumour and normal tissues to the action of ionizing radiations by the EPR method. I. Comparison of low temperature EPR spectra of irradiated tumours and normal tissues 9—53193
Rikhireva, G.T. *see* Pulatova, M.K. 9—92289
Rikhter, N. *see* Kadla, Z.I. 9—97041
Rikitake, T. Classification of earthquake precursors 9—88264
Rikman, G.I. *see* Agranat, M.B. 9—95879
Rikovska, J., Machova, A., Hamilton, W.D., Dupak, J., Chan Chen Mo, Finger, M., Lebedev, N.A., Neganov, B.S., Pavlov, V.N., Shchus, A.F. Nuclear orientation of ^{156}Tb in gadolinium matrix 9—59031
Riks, E. An incremental approach to the solution of snapping and buckling problems 9—76975
Riks, E. A unified method for the computation of critical equilibrium states of nonlinear, elastic systems 9—98610
Riley, C. *see* Wei-shin Tsay 9—68283
Riley, F.L., Dervisbegovic, H. The influence of iron and hydrogen in the nitridation of silicon 9—57129
Riley, F.L. *see* Benn, M. 9—100102
Riley, F.L. *see* Campos-Loriz, D. 9—57128
Riley, G., Raynes, W.T., Fowler, P.W. The variation of molecular properties with vibration-rotation 9—98066
Riley, J.D., Ley, L., Azoulay, J., Terakura, K. Partial densities of states in amorphous $Pd_{0.81}Si_{0.19}$ 9—95315
Riley, J.E., Jr. *see* Kessler, J.E. 9—57339
Riley, J.E., Jr. *see* Schmidt, P.F. 9—92016
Riley, J.L., Thurston, J.R., Egemo, C.L., Elliott, H.L. A radiotelemetry transmitter for transmitting temperatures from small animals 9—83888
Riley, J.M. *see* Chan, Y.T. 9—59867
Riley, J.M. *see* Longair, M.S. 9—88757
Riley, J.P., Hillier, I.H., Raynes, W.T. An ab initio coupled Hartree-Fock calculation of the nuclear shielding in the H_2/He interacting system 9—89690
Riley, N., Sweet, D.A. Effects of rotation on Czochralski crystal growth 9—99091
Riley, P.J. *see* Bonner, B.E. 9—67572, 9—75783
Riley, P.J. *see* Hollas, C.L. 9—75786
Riley, P.P. Rating of noise nuisance 9—86292
Riley, P.W. *see* Little, L.T. 9—84840
Riley, S.J. *see* Kroger, P.M. 9—70356
Riley, S.J. *see* Sinha, M.P. 9—64061
Rimai, D.S., Dunn, M.A., Jamieson, J.C., Manghnani, M.H. Commentary on the temperature dependence of the elastic constant C_{44} of MgF_2 and TiO_2 9—73239
Rimai, D.S., Sladek, R.J. Elastic moduli and mode gammas of GaP: Their relationship to those of other isomorphic crystals and the high pressure structural-electrical transition 9—73242
Rimai, D.S., Sladek, R.J. Anomalies in the specific heat of PbF_2 9—86901
Rimai, I. *see* Marko, K.A. 9—76757
Rimawi, K. *see* Bokharee, S. 9—59063
Rimbey, P.R. Image charge potential at the interface of two semi-infinite media: Thomas-Fermi solution 9—87155
Rimini, A. *see* Ghirardi, G.C. 9—97241

Rimini, E. Analysis of defects by channeling 9—95063
Rimini, E., Baeri, P., Campisano, S.U., Foti, G. Ruby laser pulse effects in ion implanted semiconductors 9—69125
Rimini, E. *see* Baeri, P. 9—56080
Rimini, E. *see* Bertolotti, M. 9—50992
Rimini, E. *see* Grimaldi, M.G. 9—95045
Rimini, E. *see* Tandon, J.L. 9—69118
Rimkus, J. *see* Brandelik, R. 9—63491, 9—93441
Rimmer, M.P. A tolerancing procedure based on modulation transfer function (MTF) 9—86237
Rinaldi, F. *see* Avanzini, P.G. 9—97793
Rinaldi, R., Wenk, H.-R. Stacking variations in cancrinite minerals 9—99219
Rinaldi, R. *see* Armigliato, A. 9—83533
Rinaldi, S. *see* Finzi, G. 9—57546
Rinaldi, S. *see* Zannetti, P. 9—57540
Rinat, A.S., Thomas, A.W. NN scattering above the pion threshold 9—85317
Rinat, A.S. *see* Hammel, E. 9—85383
Rinat, A.S. *see* Thomas, A.W. 9—89244
Rinaudo, G. *see* Guy, J.G. 9—54357, 9—80844
Rinaudo, M. *see* Nierlich, M. 9—77484
Rinaudo, M. *see* Rochas, C. 9—66351
Rind, D.H. Probing the atmosphere with infrasound 9—74960
Rindani, S.D. *see* Mani, H.S. 9—67613
Rindani, S.S. *see* Rajasekaran, G. 9—54314
Rinderer, L. *see* Bonnard, P. 9—56384
Rindone, G.E. *see* Zdaniewski, W.A. 9—52286
Rindtisch, A. *see* Van Lumig, A. 9—89821
Rinehart, R.E. On the use of ground return targets for radar reflectivity factor calibration checks 9—53471
Rineiskii, A.A. *see* Kazachkovskii, O.D. 9—97803
Ring, P. *see* Islam, S. 9—93510
Ringdal, F. *see* Bungum, H. 9—74855
Ringeissen, J. *see* Gross, J.G. 9—61402
Ringel, H.D., Zimmer, E. The external gelation of thorium process for preparation of ThO_2 and $(Th,U)O_2$ fuel kernels 9—93802
Ringel, J. *see* Brandelik, R. 9—63491, 9—93441
Ringer, D., Mersmann, A. Heat transfer in a heated vibrating trough conveyor 9—55314
Ringer, G., Gentry, W.R. A merged molecular beam study of the endoergic associative ionization reaction $N(^2D)+O(^3P) \rightarrow NO^+ + e^-$ 9—100348
Ringermacher, H.I., Norberg, R.E., Sundfors, R.K., Westlake, D.G. Observation of the nuclear acoustic resonance of hydrogen in $NbH_{0.026}$ 9—51867
Ringermacher, H.I. *see* Mozurkewich, G. 9—95654
Ringhofer, K. Koornwinder's polynomials and representations of the conformal group 9—63343
Ringsdorf, H. *see* Wendorff, J.H. 9—69025
Rink, J.P. *see* Lucht, R.A. 9—76475
Rink, T.L. Hearing protection and speech discrimination in hearing-impaired persons 9—81658
Rinker, R.L. *see* Faller, J.E. 9—80054, 9—92605
Rinkevich, A.B. *see* Vlasov, K.B. 9—51203
Rinkevich, O.S. *see* Zel'dovich, V.I. 9—83194
Rinkevichyus, B.S. Laser measures velocity 9—82009
RInkleff, R.-H. Stark interaction in the $nsnpz\,^3P_1$ levels of zinc and cadmium 9—63941
Rinkyavichyus, V.S., Kavalyanskene, G.S. Effects due to the emptying of local levels by an electric field in the case of a barrier conductivity mechanism 9—65468
Rinneberg, H. *see* Gerhardt, H. 9—93504
Rinneberg, H.H. Application of perturbed angular correlations to chemistry and related areas of solid state physics 9—75665
Rino, C.L. *see* Fremouw, E.J. 9—58185
Rino, J.P., de Felicio, J.R.D., Goulart Rosa, S., Jr. Effects of confinement on a magnetized Bose gas 9—54050
Rinsland, C.P. *see* Wing, R.F. 9—96808
Rio, J.L.Del *see* Del Rio, J.L.
Rionero, S. *see* Galdi, G.P. 9—77056
Riordan, J.E., Blair, H.S. Synthesis and characterization of inherently coloured azo polyamides 9—68340
Rios, E. *see* Kovacs, L. 9—66453
Rios, M.A. *see* Casado, J. 9—49948
Rios Jara, D. *see* Guenin, G. 9—55807
Rioux, C. *see* Pigeon, R. 9—76012
Rioux, C. *see* Slobodrian, R.J. 9—59602, 9—68106, 9—71861
Ripamonti, A., Frankel, R.B., Ettienne, E.M. Effect of magnetic fields on drug induced contractility and mortality in spirostomum 9—74607
Ripelle, M.Fabre de la *see* Fabre de la Ripelle, M.
Riper, K.A.Van *see* Van Riper, K.A.
Ripin, B.H., McLean, E.A. Brillouin backscatter dependence upon pulse amplitudes, timing, target material, and geometry 9—77417
Ripin, B.H., Whitlock, R.R., Young, F.C., Obenschain, S.P., McLean, E.A., Decoste, R. Long-pulse laser-plasma interactions at 10^{12}-10^{15} W/cm^2 9—86596
Ripin, B.H. *see* Armstrong, C.M. 9—98944
Ripin, B.H. *see* Decoste, R. 9—71952, 9—78804
Ripka, G. *see* Balian, R. *(editor)* 9—71864
Ripley, K.L., Geselowitz, D.B., Oliver, G.C. The American Heart Association arrhythmia database: a progress report 9—62391
Ripmeester, J.A., Boyd, R.K. Molecular reorientation in solid zym-triazine 9—73114
Ripmeester, J.A., Hawkins, R.E., Davidson, D.W. Orientations and reorientational dynamics of methanol enclathrated in β-quinol (hydroquinone) from dielectric and ^1H, ^2H, and ^{13}C NMR studies 9—99783
Ripmeester, J.A., Wong, P.T.T., Davidson, D.W., Whalley, E. The ionization of PCl_6^- in the solid state under pressure. III. Phosphorus-31 NMR spectra of three phases of PCl_5 9—82882
Ripmeester, J.A. *see* Garg, S.K. 9—91300
Riposan, I. Eutectic cell structure in the vermicellular cast iron case 9—74167
Ripper, J.E. *see* Brosson, P. 9—98395
Ripper, J.E. *see* Nunes, F.D. 9—86179
Ripper, J.E. *see* Patel, N.B. 9—50291
Rippie, E.G., Chou, C.H. Kinetics of mass transport in sheared particulate beds: Markov chains 9—60057
Rippon, S. France sets standard for fast reactor projects 9—85757
Rippon, S. Fast reactor fuel reprocessing: an update from Dounreay 9—89473
Riquois, G. *see* Graftieaux, J. 9—97855
Risbud, A.A., Takwale, R.G. On the Doppler radiation associated with Cerenkov radiation in the presence of an alternating electric field 9—59621
Risbud, S.H., Pask, J.A. On the location of metastable immiscibility in the system SiO_2-Al_2O_3 9—77521
Risch, M.R., Roth, J., Scherzer, B.M.U. Dependence of blister-'deckeldicke' and of depth profiles of implanted He ions in Nb on angle of incidence 9—73226
Riseborough, P.S. The low temperature electronic specific heats of disordered one dimensional chains 9—51275
Riseborough, P.S. Anomalous spin-flip scattering rate near the magnetic-ordering temperature 9—82802
Risebrough, R.W. *see* Cutter, G.A. 9—70820
Risen, W.M., Jr. *see* Rouse, G.B. 9—77525, 9—87436
Riser, S.C., Rossby, H.T., Freeland, H. Mesoscale motions near the deep western boundary of the North Atlantic [MODE] 9—74894
Rishi Raj *see* Min, B.K. 9—57185
Rishin, V.V. *see* Kharlamov, Yu.A. 9—100078
Riska, D.O. On exchange currents in electron scattering 9—71846
Riska, D.O. The effect of N* (1688) resonance on nuclear charge form factors 9—93501
Riska, D.O. *see* Chai, J. 9—54418, 9—85314
Riska, D.O. *see* Ko, C.M. 9—76031
Riskalla, R. *see* Cosme, G. 9—58968
Risken, H., Vollmer, H.D. Brownian motion in periodic potentials; nonlinear response to an external force 9—63156
Risken, H. *see* Vollmer, H.D. 9—88881
Risler, R. *see* Burgi, H.R. 9—67756
Risler, R. *see* Jenny, B. 9—85443
Risler, R. *see* Konig, V. 9—75964
Risley, A., Busca, G. Effect of line inhomogeneity on the frequency of passive Rb^{87} frequency standards 9—54106
Rispin, A.S., Sato, M., Kon, H. Crystal field calculation of g values and zero-field splitting for high spin ferric complexes of rhombic character 9—78061
Risselada, T., Jung, R., Neet, D., O'Hanlon, H., Vos, L. The CERN ISR collimator system 9—72119
Risselada, T. *see* Ciapala, E. 9—76194
Risselada, T. *see* Fischer, C. 9—68003
Risso, W.L. *see* Martino, R.L. 9—83979
Riste, T., Otnes, K., Moller, H.B. Hydrodynamic instabilities and neutron scattering 9—50990
Ristic, M.M., Stefanovic, D., Milosevski, M., Radic, S.M. The influence of pressing pressure on the consolidation process 9—74116
Ristic, M.M. *see* Uskokovic, D. 9—74117
Ristic, P. *see* Czajko, J. 9—59494
Ristic, R., Zizic, B., Milinkovic, R. The investigation of kinetic growth of {100} faces of ADP crystals in the range of low supersaturations 9—56047
Ristic, R.I. *see* Davey, R.J. 9—74072
Ristic, S.D. An approximation of the Einstein relation for heavily doped silicon 9—65494
Ristic, V.M. Modeling of the impulse response in SAW transducers 9—81665
Ristic, V.M. *see* Hussein, A.M. 9—94439
Ristich, M.M. *see* Samsonov, G.V. 9—74111
Ristig, M.L., Kurten, K.E., Clark, J.W. Density matrix and spin-dependent correlations of normal liquid ^3He 9—73369
Ristinen, R.A. *see* Boudrie, R.L. 9—85540
Ristinen, R.A. *see* Fields, C.A. 9—93514
Ristinen, R.A. *see* Kluger-Bell, B.M. 9—59010
Ristinen, R.A. *see* Shepard, J.R. 9—67656
Ristinen, R.J. *see* Cottingame, W.B. 9—85535
Ristorcelli, J.R., Jr. *see* Moore, F.K. 9—94710
Ristori, C., Crancon, J., Wunsch, K.D., Jung, G., Decker, R., Kratz, K.-L. Half-lives and delayed neutron emission probabilities of short-lived Rb and Cs precursors 9—49610
Ristori, C. *see* Kratz, K.-L. 9—93559
Ristov, M., Sinadinovski, G., Mitreski, M. Photovoltaic effect of wedge-shaped photoconducting thin film 9—56331
Ristow, D., Kosbahn, B. Time-varying prediction filtering by means of updating 9—92614
Ritchie, B. Electron-molecule scattering in momentum space 9—64105
Ritchie, B.G. *see* Toth, K.S. 9—89241
Ritchie, D.J. *see* Bartlett, J.F. 9—89535
Ritchie, I.G., Dufresne, J.F., Moser, P. Internal friction in deformed hydrogen-doped iron 9—57041
Ritchie, I.T., Harding, G.L. Sputtered metal carbide and metal silicide solar absorbing surfaces 9—79407
Ritchie, I.T. *see* Harding, G.L. 9—62029
Ritchie, I.T. *see* Window, B. 9—79406
Ritchie, J.L. *see* Hamilton, G.W. 9—88170
Ritchie, J.M. *see* Chiu, S.Y. 9—62235
Ritchie, R.H. *see* Appleton, B.R. 9—77658
Ritchie, R.H. *see* Ashley, J.C. 9—95058
Ritchie, R.H. *see* Spears, D.P. 9—81351
Ritchie, R.O. *see* Aronson, G.H. 9—87799
Ritman, E.L. *see* Pao, Y.C. 9—92262
Ritman, E.L. *see* Robb, R.A. 9—53224, 9—66520
Ritman, E.L. *see* Singh, M. 9—79638
Ritschel, M., Oppermann, H. On the chemical transport of some niobium oxides with $TeCl_4$. I. Calculation of the system Nb/O/Te/Cl and the transport of $NbO_2/NbO_{2.417}$ 9—52093
Ritsema, A.R. Catastrophic earthquakes in the European area 9—88262
Ritsko, J.J. Momentum dependent dielectric response of polystyrene 9—69160
Ritsko, J.J. Electron energy loss spectroscopy of pristine and radiation damaged polyethylene 9—81312
Ritsko, J.J. *see* Mele, E.J. 9—74036
Ritsma, R.J. *see* Wit, H.P. 9—100629
Rittenhouse Inglis, D. A windmill's theoretical maximum extraction of power from the wind 9—58482
Ritter, A., Yang, N.Y.C., Pope, D.P., Laird, C. The dislocation and martensite substructures of a fatigued, polycrystalline, pseudoelastic Cu-Al-Ni alloy 9—82223
Ritter, A.M. *see* Briant, C.L. 9—66071
Ritter, H., Schroder, R. The physical parameters of WZ Sge. II. Eclipse analysis 9—80336
Ritter, H.G. *see* Bertini, R. 9—63623, 9—85565
Ritter, J.A. *see* Clark, K.W. 9—70679
Ritter, J.A. *see* Mead, C.N. 9—70680
Ritter, J.J., Freund, S.M. CO_2 TE laser induced photochemical enrichment of carbon isotopes 9—50151
Ritz, V.H. *see* Bermudez, V.M. 9—61476
Ritze, H.-H., Bandilla, A. Quantum effects of a nonlinear interferometer with a Kerr cell 9—55193
Ritze, H.-H., Bandilla, A. A new proposal for measuring the quantum fluctuations in a light beam using a nonlinear interferometer 9—80672
Ritze, H.-H., Stert, V., Meisel, E. High resolution polarization spectroscopy in the strong saturation regime 9—55189
Ritzhaupt, G., Devlin, J.P. Direct spectroscopic observation of proton transfer rates: activation energy for proton exchange in Ice I_c 9—99866
Riunaud, J.P. *see* Delahaye, J.P. 9—76192
Riva, C.E., Feke, G.T., Eberli, B., Benary, V. Bidirectional LDV system for absolute measurement of blood speed in retinal vessels 9—83884
Riva, C.E., Timberlake, G.T., Feke, G.T. Laser Doppler technique for measurement of eye movement 9—92322
Riva, C.E. *see* Feke, G.T. 9—79623
Riva, F. *see* Avitabile, G. 9—57037
Rivard, J.B. Interpretation of debris bed dryout observed during the D-3 experiment 9—85597
Rivard, W.C. *see* Travis, J.R. 9—72929
Rivas, J., Iniguez, J., Ayala, J. Magnetic aftereffects in nickel ferrites 9—56572
Rivas, J., Iniguez, J., Panizo, M. Measurement system for magnetic aftereffects in ferrites 9—82834
Rivas, J. *see* Panizo, M. 9—89824
Rivas, J.L.Alvarez *see* Alvarez Rivas, J.L.
Rivasi, M.R. *see* Balestri, L. 9—58015
Rivenburg, H.C., Myers, L.T., Lambert, J.M., Treado, P.A., Slaus, I. Collinearity revisited in D(d,pd)n at 12.2 MeV 9—76004
Rivenburgh, D.L. *see* Turner, J.F. 9—87808
Rivera, C. *see* Azam, N. 9—90558
Rivera, O. *see* Paciotti, M. 9—79629
Rives, J., Menanteau, B., Lardinois, B., Flament, J.B., Convers, G. The role of rapid-sequence image intensifier fluorography in surgery of the abdomen 9—92340
Rives, J.M. *see* Jean, O.C. 9—84643
Rivet, J. *see* Dogguy, M. 9—52182
Rivet, J. *see* Fourcroy, P.H. 9—66047
Rivet, M.F. *see* Berlanger, M. 9—67636
Rivet, M.F. *see* Bimbot, R. 9—61927

Rivier, N. A simple model of a glass at low temperatures 9—65686
Rivier, N. *see* Continentino, M.A. 9—78356, 9—82776
Riviere, A., Souquet, J., Defranould, Ph. A digital compound scan system under microprocessor control 9—57735
Riviere, A. *see* Woirgard, J. 9—77677
Riviere, D., Levy, Y., Guyon, E. Determination of anchoring energies from surface tilt angle measurements in a nematic liquid crystal 9—64986
Riviere, J.P., Dinhut, J.F. Damage rates in neutron irradiated FeCo and FeCo2V ordered and disordered alloys 9—77646
Rivin, B.D., Longo, F.W., Tomashefsky, P. Controlled ultrasonic temperature response in tumor irradiation 9—83874
Rivin, E. Vibration isolation of industrial machinery—basic considerations 9—72868
Rivin, G.S. *see* Klimova, E.G. 9—100967
Rivin, M.M. *see* Morozova, N.P. 9—76614
Rivkin, M.B. *see* Kazantsev, V.V. 9—72927
Rivkind, V.Ya. Mass transfer and chemical reaction in a spherical drop at the transitional zone of Reynolds-numbers 9—50814
Rivlin, L.A. Stimulation of two-photon annihilation of relativistic electrons and positrons 9—64195
Rivlin, R.S. Some recent results on the flow of non-Newtonian fluids 9—60008
Rivlin, R.S. *see* Kazakia, J.Y. 9—81930, 9—86514
Rivoira, R. *see* Gaudart, L. 9—83107
Rivoire, G. *see* Gazengel, J. 9—94287
Rivolta, B. *see* Lazzari, M. 9—66016
Rivolta, B. *see* McKechnie, J.S. 9—99873
Rivory, J. *see* Behaghel, J.M. 9—74545
Rivory, J. *see* Strzelecka, H. 9—73498
Rix, J.R. Theory of high-energy heavy-ion collisions 9—89326
Rizakhanov, M.A., Khamidov, M.M., Abramov, I.Ya. Explanation of the characteristics of the green-blue luminescence of ZnS on the basis of a new model of luminescence centers 9—73999
Riznichenko, Yu.V. Calculation of deformation velocities in the seismic flows of rock masses 9—74850
Riznichenko, Yu.V., Kochetkov, V.M., Misharina, L.A., Gileva, N.A. Vertical seismotectonic motions in the Baykal rift zone 9—79783
Rizos, C. *see* Mather, R.S. 9—79720
Rizos, I. *see* Brodersen, H. 9—96471
Rizzie, J.W., Thompson, L.J. Remote verification of main stream safety/relief valve set pressure 9—54487
Rizzo, A. *see* Raino, A. 9—87512
Rizzo, F.J., Shippy, D.J. A boundary integral approach to potential and elasticity problems for axisymmetric bodies with arbitrary boundary conditions 9—75344
Rizzo, J. *see* Yaakobi, B. 9—54598
Rizzo, R.J. *see* Fairweather, G. 9—58533
Rizzo, T.G. $b\bar{q}$ resonance in e^+e^-? 9—89123
Rizzo, T.G. Charmed-meson decay in the massive-quark model. II 9—93376
Rizzo, T.G. Weak decay of heavy vector mesons 9—93410
Rizzo, T.G. Decays of heavy quarks 9—97588
Rizzoli, V. *see* Bianciardi, E. 9—81566
Rizzon, E. *see* Lazzarin, R. 9—62134
Rizzuto, C. Cryogenics worldwide—Italy. Research at low temperatures in Italy—present status and perspectives 9—93146
Rizzuto, C. *see* Babic, E. 9—60785
Rjabov, V.L. *see* Altarev, I.S. 9—67551
Rjabov, Y. *see* Ammosov, V. 9—71737
Rjabov, Y.G. *see* Efremenko, V.I. 9—75763
Ro, C.U. *see* Zawadzki, I.I. 9—53469
Ro, T. *see* Unno, K. 9—100552
Roach, F., Ben-David, S., Noll, S., Schulze, W. Impacts of the [United States] National Energy Plan on solar economics 9—57446
Roach, M.A. *see* Woods, A.C. 9—62673
Roach, P.D. *see* Roach, P.R. 9—60589
Roach, P.R., Ketterson, J.B., Roach, P.D. Effect of ^{4}He on positive-ion mobility in normal liquid ^{3}He 9—60589
Roache, P.J. Sixth-order accurate direct solver for the Poisson and Helmholtz equations 9—77160
Roaf, D., Watt, F., Garman, E.F., Pellegrini, F., Guazzoni, P. ^{41}Ca(d,^{3}He)^{40}K reaction at 20 MeV 9—89238
Roath, S. *see* Paul, F. 9—53165
Robachevskii, M.V. *see* Korotkov, V.P. 9—49291
Robakidze, Z.P. *see* Aglamazov, V.A. 9—84616
Robalewski, A., Wojciechowska, J. Radiation modification of polyethylene 9—52701
Robashik, D. *see* Geyer, B. 9—58965
Robaszkiewicz, S. Magnetism and charge orderings in Mott insulators 9—60751
Robaszkiewicz, S. Electron charge orderings and Peierls distortion 9—87050
Robb, I.D. *see* Cafe, M.C. 9—96308
Robb, M.A. *see* Bernardi, F. 9—97999
Robb, M.A. *see* Hegarty, D. 9—71284
Robb, R.A., Ritman, E.L., Gilbert, B.K., Kinsey, J.H., Harris, L.D., Wood, E.H. The DSR: a high-speed three-dimensional X-ray computed tomography system for dynamic spatial reconstruction of the heart and circulation 9—66520
Robb, R.A., Ritman, E.L., Harris, L.D., Wood, E.H. Dynamic three-dimensional X-ray computed tomography of the heart, lungs and circulation 9—53224
Robba, A.A. *see* Dowdy, E.J. 9—85644
Robbe, J.M., Schamps, J., Lefebvre-Brion, H., Raseev, G. Electronic structure and perturbations: interpretation in the SiO valence states 9—59369
Robbe, J.M. *see* Fournier, J. 9—89699
Robbiani, R. *see* Mandli, H. 9—89036
Robbins, A.B. *see* King, H.T. 9—67657
Robbins, D.J., Cockayne, B., Glasper, J.L., Lent, B. The temperature dependence of rare-earth activated garnet phosphors. I. Intensity and lifetime measurements on undoped and Ce-doped $Y_3Al_5O_{12}$ 9—99952
Robbins, D.J., Cockayne, B., Glasper, J.L., Lent, B. The temperature dependence of rare-earth activated garnet phosphors. II. A comparative study of Ce^{3+}, Eu^{3+}, Tb^{3+}, and Gd^{3+} in $Y_3Al_5O_{12}$ 9—99953
Robbins, D.J., Cockayne, B., Lent, B., Duckworth, C.N., Glasper, J.L. Investigation of competitive recombination processes in rare-earth activated garnet phosphors 9—61443
Robbins, J.A., Edgington, D.N., Kemp, A.L.W. Comparative ^{210}Pb, ^{37}Cs, and pollen geochronologies of sediments from Lakes Ontario and Erie 9—66728
Robbins, K.A. Periodic solutions and bifurcation structure at high R in the Lorenz model 9—81692
Robbins, W.P. Approximate theory of magnetoelastic surface wave transducers on YIG 9—68533
Robbins, W.P., Bowers, J. Comparison of the grating and meander-line transducers for magnetoelastic surface-wave excitation 9—50557
Robbins, W.P., Simpson, E.M. Surface acoustic wave properties of RF sputtered nickel films on lithium niobate 9—56102
Robe, H. Spiral modes in gaseous cylindrical systems 9—66914
Robe-Naudy, M.-C. Study of nitrogen oxide and sulphur dioxide pollution from an industrial site. Operation of a mobile laboratory with a remote sensing system and ground level analysers for investigation of smoke plume dispersion and fall-out 9—74928
Rober, E., Hackstein, K., Coufal, H., Sotier, S. Magnetic susceptibility of liquid $Na_{1-x}Bi_x$ alloys 9—82525
Roberds, D.W., Brasier, C.W., Bomar, B.W. Use of a particle sizing interferometer to study water droplet size distribution 9—80673
Roberge, F.A. *see* Savard, P. 9—70671
Roberge, R. Status of the development of high-field A15 superconductors 9—61004
Roberge, R., Fihey, J.L. Fabrication and characterization of in situ superconducting multifilamentary copper-niobium wires 9—56476
Roberge, R., Fihey, J.L., Schwartz, B. Analysis of continuity and proximity effect conductivity limits in 'in situ' multifilamentary superconducting wires 9—60997
Robers, J., Uhde, W. Quality assurance of fuel and fuel elements for LWR 9—49810
Roberson, C.W. *see* Mako, F. 9—76169
Roberson, C.W. *see* Sprangle, P. 9—72018
Roberson, N.R. *see* Gould, C.R. 9—89527
Roberson, N.R. *see* Jensen, M. 9—93620
Roberson, N.R. *see* Skopik, D.M. 9—93587
Roberson, R.E. Spin of an almost-axial, almost-symmetric, torque-free gyrostat near an osculation condition 9—49029
Roberst, M., Peng, Y-K.M., Shannon, T.E., Becraft, W.R., Flanagan, C.A., Varljen, T.C. Development of the TNS design space 9—71959
Robert, A., Guenole, J.-P., Royer, J. Achromatic quarter wave plates within a second order term 9—72675
Robert, C., Giroud d'Argoud, G., Herbin, J.P., Deroo, G., Chamley, H. Cretaceous South Atlantic Ocean through the study of clay minerals and organic matter (DSDP legs 39 and 40) 9—84220
Robert, D., Bonamy, J. Short range force effects in semiclassical molecular line broadening calculations 9—98085
Robert, E. *see* Malaval, G. 9—97761
Robert, F., Merlivat, L., Javoy, M. Deuterium anomaly in the Chainpur meteorite: an isotope study of hydrogen and oxygen 9—88628
Robert, G. *see* Malugani, J.P. 9—99365
Robert, J., Thouvenot, P., Escanye, J.M., Edrich, J., Gautherie, M. Millimeter-wave thermography: preliminary clinical findings in head and neck diseases 9—100694
Robert, J. *see* Gautherie, M. 9—100693
Robert, J. *see* Rialland, J.F. 9—86831
Robert, J. *see* Rousille, L. 9—90525
Robert, J.L., Pistoulet, B., Raymond, A., Dusseau, J.M., Martin, G.M. New model of conduction mechanism in semi-insulating GaAs 9—51571
Robert, J.L., Raymond, A., Aulombard, R.L., Bousquet, C., Merlet-Bernard, C., Paureau, J. Doping and strain dependence of quantum properties of n-type InSb 9—60690
Robert, J.L. *see* Pistoulet, B. 9—95414
Robert, J.L. *see* Raymond, A. 9—77989
Robert, M.C. *see* Lefaucheux, F. 9—87572
Robert, P., Kodera, K., Perraut, S., Gendrin, R., de Villedary, C. Amplitude and polarization of the ULF waves detected on board the GEOS-1 satellite. Method of analysis, problems encountered and practical solutions 9—70924
Robert, R. Thin layer strain gauge detectors and their application 9—93130
Robert, T. *see* Hecq, M. 9—78878, 9—91552
Roberti, R. *see* Cavallotti, P. 9—70151
Roberts, A. Weak-interaction studies with the DUMAND detector 9—63463
Roberts, A.D., Parsons, A.B. Humidity influence on rolling friction of glass on rubber 9—79118
Roberts, B.L. *see* Leitch, M.J. 9—85451
Roberts, B.W. Properties of selected superconductive materials 1978 supplement 9—56366
Roberts, C.J. *see* Yuan, Y.C. 9—85827
Roberts, D.B. *see* Milne, J.W. 9—88021
Roberts, D.G. *see* Laughton, A.S. 9—88338
Roberts, D.H., O'Dell, S.L. The two-point angular correlation function between quasars and rich clusters of galaxies 9—80364
Roberts, D.I. Metallurgical evaluation of Peach Bottom HTGR primary circuit components 9—67867
Roberts, D.R. *see* Bartle, K.D. 9—48996
Roberts, D.V., Trollope, I.E. Nerve conduction velocity and refractory period as parameters of neurotoxicity 9—83749
Roberts, D.W., Forester, C.K. Parabolic procedure for flows in ducts with arbitrary cross sections 9—94716
Roberts, E., Jr. Digital enhancement of computerized axial tomograms 9—70630
Roberts, E.W. *see* Harmer, M. 9—74123
Roberts, G.A. *see* Slobodnik, A.J., Jr. 9—68493
Roberts, G.G. *see* Petty, M.C. 9—65551
Roberts, G.G. *see* Vincett, P.S. 9—95293
Roberts, G.K.St.C. *see* Clarke, P.H. 9—58688
Roberts, G.T. Heat loss characteristics of an evacuated plate-in-tube collector 9—88004
Roberts, J.A. *see* Swindle, D.L. 9—98070
Roberts, J.R. *see* Lucatorto, T.B. 9—89990
Roberts, J.T.A. Ceramic utilization in the nuclear industry: Current status and future trends. I 9—93718
Roberts, J.T.A. *see* Miller, A.K. 9—93729
Roberts, L.E.J. Radioactive waste disposal—policy and perspectives 9—93757
Roberts, M., Hagston, W.E. S-matrix theory and the density matrix formalism. I. The Pauli and Boltzmann equations 9—88871
Roberts, M., Hagston, W.E. S-matrix theory and the density matrix formalism. II. Open systems 9—88872
Roberts, M., Hagston, W.E. A density matrix approach to problems in time-dependent perturbation theory 9—92973
Roberts, M.S. *see* Rubin, V.C. 9—62898
Roberts, M.W. *see* Carley, A.F. 9—77922
Roberts, M.W. *see* Johnson, D.W. 9—99427
Roberts, M.W. *see* Joyner, R.W. 9—87756
Roberts, M.W. *see* Salje, E. 9—91564
Roberts, N.K., Zundel, G. IR studies of long-range surface effects-excess proton mobility in water in quartz pores 9—51955
Roberts, P.H., Hills, R.N., Donnelly, R.J. Calculation of the static healing length in helium II 9—60567
Roberts, P.H., Loper, D.E. On the diffusive instability of some simple steady magnetohydrodynamic flows 9—50807
Roberts, R. *see* Ambos, H.D. 9—70693
Roberts, R.B. The absolute thermopower of lead 9—65434
Roberts, R.G., Hwa, R.C., Matsuda, S. Parton recombination model including resonance production 9—75740
Roberts, R.G. *see* Duke, D.W. 9—54344, 9—85300
Roberts, R.L. *see* Cunliffe, N.H. 9—54221
Roberts, R.W. *see* Huggins, R.A. *(editor)* 9—65985
Roberts, W.J. *see* Cutts, J.A. 9—84721
Roberts, Y.Y. *see* Machbitz, M. 9—85596
Robertson, A.J.B. *see* Hibbert, D.B. 9—83108
Robertson, A.W. Adaptive linear prediction filtering for airborne underwater acoustic signal processors 9—64388
Robertson, B.F., Reid, J.S. X-ray scattering intensities from a shell model for silicon 9—99022
Robertson, C.W. *see* Tzach, D. 9—73018
Robertson, D., Johnstone, B.M. Aberrant tonotopic organization in the inner ear damaged by kanamycin 9—96569
Robertson, D.C. *see* Bernstein, L.S. 9—92589

Robertson, D.E., Thomas, C.W., Thomas, V.W., Perkins, R.W. Transuranium and other long-lived radionuclides in the environs of nuclear power plants 9—93841

Robertson, D.M., Smith, D.C. Compressive strength of mandibular bone as a function of microstructure and strain rate 9—57689

Robertson, D.S. *see* Clark, T.A. 9—88920

Robertson, D.S. *see* Cullis, A.G. 9—73199

Robertson, G.H. *see* Culbertson, R.J. 9—78849, 9—78853

Robertson, G.N. *see* Lawrence, M.C. 9—69821

Robertson, I. *see* Haywood, J.K. 9—88162

Robertson, I.L. *see* Dixon, R.N. 9—68184

Robertson, J. Bonding and transport properties in amorphous semiconductor alloys with ordered compositions 9—90950

Robertson, J. Bonding and electrical conduction in amorphous thallium-tellurium alloys 9—90951

Robertson, J.B. *see* Raju, M.R. 9—62301, 9—92305

Robertson, J.M. *see* Algra, H.A. 9—78449, 9—91298

Robertson, J.M. *see* Bartels, G. 9—100064

Robertson, J.M. *see* Damen, J.P.M. 9—100065

Robertson, J.M. *see* Wedding, J.B. 9—98704

Robertson, K.A. *see* Seemuth, D.P. 9—84918

Robertson, K.D. *see* Seemuller, W.W. 9—58677

Robertson, L.P. *see* Bugg, D.V. 9—67594

Robertson, N.A. *see* Drever, R.W.P. 9—93033

Robertson, P.B. *see* Grieve, R.A.F. 9—66698

Robertson, R.E. Effect of free-volume fluctuations on polymer relaxation in the glassy state 9—69022

Robertson, R.G.H. *see* Freedman, S.J. 9—67703

Robertson, R.R. *see* Yarger, H.L. 9—53529

Robertson, S., Wickham, M. Microsecond-pulsed ion beam from a Marx generator 9—49886

Robertson, S. *see* Schneider, J. 9—75582

Robertson, S.H., Greenspan, M., Korn, P., Sandel, F. Multichannel neutral atom energy spectrometers for plasma diagnostics 9—73037

Robertson, S.J. Bhatnagar-Gross-Krook model solution of back-scattering of outgas flow from spherical spacecraft 9—94676

Robertson, W.H. The Minor Planets 9—88619

Robertson, W.J. *see* Biswas, N.N. 9—63556

Robertson, W.M. Measurement and evaluation of hydrogen trapping in thoria dispersed nickel 9—60555

Robertsson, L. *see* Grundevik, P. 9—63940

Robichaud, G.C. *see* Hove, C.M. 9—85635

Robiette, A.G., Mills, I.M. Intensity perturbations due to ν_3/ν_4 coriolis interaction in methane 9—98087

Robiette, A.G. *see* Dang-Nhu, M. 9—98069

Robiette, A.G. *see* Gray, D.L. 9—76365, 9—98098

Robiette, A.G. *see* Heenan, R.K. 9—76363, 9—89782

Robiette, A.G. *see* Lolck, J.-E. 9—76529

Robig, G. *see* Porstendorfer, J. 9—66367

Robillard, P.N. Spatial resolution of four electrode array 9—84033

Robin, A.M., Schlinger, W.G. Gasification of coal liquefaction residues 9—52869

Robin, C., Tournon, J. Spatial relations of andesitic and alkaline provinces in Mexico and Central America 9—57880

Robin, J. *see* Girard, S. 9—71537

Robin, M.B. *see* Heath, B.A. 9—68282

Robin, M.G., Saur, J.M., Vial, B., Brachet, A. Design, construction and operating experience of secondary sodium circuits of fast reactors 9—97789

Robin, M.G. *see* Ginier, R. 9—63727

Robinette, S. The influence of thermal treatment on the acoustic properties of an amorphous Se-36.4 at.% As alloy 9—86843

Robins, G.A. *see* Demazeau, G. 9—86760

Robins, G.A. *see* Main, I.G. 9—82751

Robins, J.R. *see* King, G.W. 9—89687

Robins, K. *see* Bleser, E. 9—68089

Robins, K. *see* McInturff, A.D. 9—68088

Robinson, A. *see* Irven, J. 9—50451

Robinson, A.C. *see* Mourad, A.G. 9—80044

Robinson, A.H., Prichard, A.W., Shirley, G.W., Trapp, T.J. Burning actinides in very hard spectrum reactors 9—89414

Robinson, B. *see* Dris, M. 9—49491

Robinson, B. *see* Kumar, R. 9—88474

Robinson, C., Thoburn, R. Collection and transmission of milli-volt-level data on a liquid-metal fast-breeder reactor 9—76102

Robinson, C.J. The effects of a glow discharge on the nucleation characteristics of gold on polymer substrates 9—77963

Robinson, C.J. RAM-IT: a high-resolution interval timer and buffered storage system for neurophysiological experiments 9—84066

Robinson, D.A.H. *see* Benton, J.L. 9—69609

Robinson, D.B., Senturk, N.H. The vapor pressure and critical properties of carbonyl sulfide 9—95149

Robinson, D.K. *see* Eisner, R.L. 9—93451

Robinson, D.W., Shipton, M.S., Hinchcliffe, R. Normal hearing threshold and its dependence on clinical rejection criteria 9—88091

Robinson, D.W. *see* Austin, M. 9—98316

Robinson, D.W. *see* Smith, J.H. 9—86175

Robinson, E. *see* Saunders, W.D. 9—79430

Robinson, E.J. Radiative collisions with impact level shifts 9—54951

Robinson, E.L., Nather, R.E. Quasi-periodic luminosity variations in dwarf novae 9—80311

Robinson, E.S. *see* Williams, R.T. 9—88364

Robinson, G.J.B. *see* Tang, T.O. 9—92160

Robinson, G.Y. *see* Grinolds, H.R. 9—69581

Robinson, J.C. *see* Loyd, D.L. 9—80992

Robinson, J.E. Pitfalls in automatic lithostratigraphic correlation 9—62506

Robinson, J.E. *see* Hand, J.W. 9—100795

Robinson, J.E. *see* McCulloch, D. 9—70584

Robinson, J.M. Theory of electronic structure of rare earth and actinide metals using Hubbard's alloy approximation 9—73665

Robinson, K.L., McIlwain, J.S., Hayes, K.C. Effects of H-reflex conditioning upon the contralateral alpha motoneuron pool 9—79509

Robinson, K.L. *see* Hayes, K.C. 9—79510

Robinson, L.E. *see* Page, R.J. 9—93755

Robinson, M. *see* Clark, P.N. 9—96179

Robinson, M. *see* Dinno, K.S. 9—68565

Robinson, M.C. *see* Legge, J.C. 9—80573

Robinson, McD. *see* Adams, A.C. 9—69989

Robinson, M.E.R., Bower, D.I., Maddams, W.F. Molecular orientation in poly(vinyl chloride) studied by Raman spectroscopy and birefringence measurements 9—73919

Robinson, M.G. *see* Wise, K.D. 9—89495

Robinson, M.T. *see* Behrisch, R. 9—56901

Robinson, M.T. *see* Hou, M. 9—56900

Robinson, R.D. *see* Nelson, G.J. 9—53827

Robinson, R.K. *see* Khan, P. 9—96724

Robinson, R.L. *see* Ball, J.B. 9—68015

Robinson, R.L. *see* de Lima, A.P. 9—54377

Robinson, R.L. *see* Hamilton, J.H. 9—80865

Robinson, R.L. *see* Piercey, R.B. 9—54393

Robinson, R.S. Energetic binary collisions in rare gas plasmas 9—77337

Robinson, R.S. *see* Kaufman, H.R. 9—77876

Robinson, S.E. *see* Schloerb, F.P. 9—75157

Robinson, S.R., Strautman, W.D. Spatial filtering design considerations for a line scanning sensor 9—53527

Robinson, S.R. *see* Dunning, S.J. 9—76596

Robinson, S.R. *see* Lyons, B.W. 9—50337

Robinson, T.G. *see* Alburger, D.E. 9—93855

Robinson, V.J. *see* Neil, D.A. 9—76245

Robinson, V.N.E. *see* Moncrieff, D.A. 9—49342

Robinson, W.E., Hagins, W.A. GTP hydrolysis in intact rod outer segments and the transmitter cycle in visual excitation 9—83773

Robinson, W.G. *see* Breckinridge, J.B. 9—62745

Robinson, W.J. *see* Szycher, M. 9—92433

Robison, H.I. Liquid desiccant, solar air conditioner and energy storage system 9—52909

Robkoff, H.N. *see* Weiss, B.L. 9—51322

Roble, R.G. *see* Hays, P.B. 9—74999, 9—96799

Roble, R.G. *see* Hernandez, G. 9—70901

Robledo, A. *see* Varea, C. 9—60898

Robles, T.C. *see* Aspnes, J.D. 9—52943

Robley, R. The Gegenschein and relation of Danjan 9—96968

Roblin, M.L. *see* Menu, M. 9—50237, 9—72653

Roblin, M.-L. *see* Menu, M. 9—85120

Robnik, M. A matrix approach to the study of wave propagation 9—75355

Robota, H.J. *see* Harris, C.B. 9—86997

Robotham, H. *see* Massmann, H. 9—67620

Robouch, B.V. *see* Gratreau, P. 9—64824

Robrish, P. *see* Fancher, D. 9—68148

Robson, A.E. *see* Sethian, J.D. 9—60175

Robson, B.A. *see* Baldock, R.A. 9—63680

Robson, J.D. Consequences of the non-negative definiteness of the spectral density matrix 9—80511

Robson, P.N. *see* Choudhury, A.N.M.M. 9—51514

Robson, P.N. *see* Hill, G. 9—51572

Robulescu, R.C. *see* Stanciulescu, C. 9—86170

Robulets, G.N. *see* Gabeskiriya, V.Ya. 9—71938

Roby, S.W. *see* Breger, M. 9—58357

Roca, J.L. Using the Weibull distribution function for the analysis of data obtained by accelerated tests 9—54113

Roca, M. *see* Capdevila, C. 9—92029

Rocca, B. *see* Stalio, R. 9—101146

Rocca, D. *see* Codastefano, P. 9—82024

Rocca, F. *see* Bellini, S. 9—53276, 9—70686

Rocca, F. *see* Bolondi, G. 9—74841

Rocca-Volmerange, B., Audouze, J. Implications of the barium abundance in metal rich Ba II stars 9—71024

Roccaforte, P., Sehgal, L.R., Kraft, A.R. A digital readout instrument for use in ion transport studies 9—74815

Rocek, M., Lindstrom, U. More components of superspace 9—63116

Rocek, M. *see* Lindstrom, U. 9—71342

Rochas, C., Domard, A., Rinaudo, M. Polyelectrolyte behaviour of acrylonitrile methallylsulphonate copolymers in dimethylformamide 9—66351

Roche, A.E., James, T.C., Kumer, J.B., Nast, T.C., Sears, R.D. A cryogenic etalon spectrometer for measurement of stratospheric and mesospheric minor species and temperatures from the Space Shuttle 9—58232

Roche, A.L., Tellinghuisen, J. Predissociation and perturbations in the $C^2\Sigma_u^+$ state of N_2^+ from interaction with the $B^2\Delta_u^+$ state 9—86020

Roche, C.T. *see* Brumbach, S.B. 9—93719

Roche, M. Project on fusion by inertial confinement using oscillating electron beams in a magnetic mirror 9—54595

Roche, M. *see* Peugnet, C. 9—77403

Roche, P.F. *see* Aitken, D.K. 9—75261

Roche, R. Fatigue test standards 9—91862

Roche, R. *see* Hoffmann, A. 9—97911

Rochenkova, E.A. *see* Molchanov, V.N. 9—94984

Rocher, A. *see* Fontaine, C. 9—99038

Rocher, A. *see* Legros-de Mauduit, B. 9—60374

Rochester, L.R., Gowdy, J.N., Bryan, J.K. Comparison of speech recognition systems based on FFTs and zero crossings 9—76917

Rochester, L.S. *see* Prescott, C.Y. 9—75776

Rochev, V.E. *see* D'yakonov, V.Yu. 9—93390

Rochon, F.D. *see* Melanson, R. 9—73157

Rochon, P. *see* Gauthier, N. 9—87214

Rochow, E.G. *see* Rochow, T.G. 9—49283

Rochow, T.G., Rochow, E.G. An introduction to microscopy by means of light, electrons, X-rays or ultrasound 9—49283

Rochus, P. Upper bounds for the many-channel Marchenko transformation operator and its derivatives 9—63091

Rochus, P. *see* Mizutani, T. 9—85332

Rock, E. *see* Ghosh, A.K. 9—82694

Rockenbauer, A. *see* Abdel-Monem, S.A. 9—96290

Rockett, P.D., Bach, D.R. Holographic interferometry of a high-energy-density exploding lithium wire plasma 9—77436

Rockmore, A.J. *see* Denton, R.V. 9—72522, 9—98299

Rockmore, R., Kanter, E. Effect of p-wave pion absorption on two nucleons and low-energy pion-nucleus scattering 9—76038

Rockmore, R.M. *see* Brockmann, R. 9—85422

Rockmore, R.M. *see* Brown, G.E. 9—85558

Rockoff, M.L., Bennett, A.M. The patient trajectory—a modelling tool for planning rural telemedicine systems 9—74785

Rockwell, D., Knisely, C. The organized nature of flow impingement upon a corner 9—81840

Rockwood, S. *see* Eckhardt, R.C. 9—59683

Rockwood, S.D. *see* Lyman, J.L. 9—50150

Rodarte, J.R. *see* Yih-Loong Lai 9—100651

Rodbard, D. *see* Candy, J.M. 9—79486

Rodbro, M., Andersen, F.D. Charge transfer to the continuum for 15 to 1500 keV H^+ in He, Ne, Ar and H_2 gases under single-collision conditions 9—89765

Rodbro, M., Bruch, R., Bisgaard, P. High-resolution projectile Auger spectroscopy for Li, Be, B and C excited in single gas collisions. I. Line energies for prompt decays 9—85941

Rodbro, M., Pedersen, E.H., Cocke, C.L., Macdonald, J.R. Inner-shell-electron capture by H^+, He^{2+}, and Li^{3+} projectiles from CH_4, Ne, and Ar 9—76510

Roddick, J.C., Cameron, W.E., Smith, A.G. Permo-Triassic and Jurassic ^{40}Ar-^{39}Ar ages from Greek ophiolites and associated rocks 9—74872

Roddick, J.C. *see* Hawkesworth, C.J. 9—74873

Roddier, C. *see* Aime, C. 9—101078

Roddier, C. *see* Chelli, A. 9—101079

Roddier, F. *see* Chelli, A. 9—101079

Roddier, F. *see* Martin, F. 9—80513

Rode, B.M., Reibnegger, G.J. MESQUAC: mixed electrostatic-quantum chemical approach to the description of large complexes 9—89605

Rode, C. *see* Brindza, P. 9—68085

Rode, C.H. *see* Brindza, P.D. 9—72013

Rode, D.L. *see* Nelson, R.J. 9—98371

Rodean, H.C. *see* Marshall, P.D. 9—66642

Rodeback, G.W. *see* Crittenden, E.C., Jr. 9—66806

Roden, M.F., Smith, D., McDowell, F.W. Age and extent of potassic volcanism on the Colorado Plateau 9—66668

Rodenburg, M. *see* Teerhuis, P.C. 9—84048

Rodenz, G.W. *see* Potter, J.M. 9—71988

Roder, U., Muller-Warmuth, W., Schollhorn, R. Anisotropic mobility of water in hydrated layered chalcogenides $A^+_x(H_2O)_y[TaS_2]^{x-}$ and $A^+_x(H_2O)_y[NbS_2]^{x-}$ as studied by NMR 9—65744

Roder, U. *see* Handler, E. 9—94166

Roder, U. *see* Wess, O. 9—74640

Roderick, N.F. *see* Sullivan, D.J. 9—59626

Rodet, X., Delatre, J.-L. Time-domain speech synthesis-by-rules using a flexible and fast signal management system 9—64441

Rodgers, J. Transitions in crystal habit in silver bromide emulsions 9—100447

Rodgers, M.A.J. The production of molecular excited states by pulsed electron beams 9—50142

Rodgers, M.A.J. *see* Dallinger, R.F. 9—98102

Rodi, W.L. *see* Bache, T.C. 9—66632

Rodichev, Yu.M. *see* Pisarenko, G.S. 9—91763

Rodicker, H., Einax, J. Effect of the inlet pressure on the permeation of liquids 9—100438

Rodieck, R.W. Visual pathways 9—96559

Rodigin, N.M. *see* Pravdin, L.S. 9—51831

Rodin, A.A. *see* Sukhorukov, V.V. 9—91891

Rodin, A.I. *see* Fridkin, V.M. 9—95447
Rodin, N.P., Guseinova, M.K., Mamedov, Kh.S. Crystal and molecular structure of p,p-diethoxythiocarbonylthiomethylaniline 9—94990
Rodin, V.N. *see* Apollonov, V.V. 9—72603
Rodine, E.T., Farmer, J.W., Langer, D.W. Defect studies in multilayer epitaxial GaAs by transient capacitance 9—99241
Rodionov, A.N., Kalendarev, R.I., Tchikvaidze, G.V., Eiduss, J.A. A new phase in solid state arsenic 9—99315
Rodionov, A.V. *see* Phasinkin, A.S. 9—79279
Rodionov, B.U. *see* Bolozdynya, A.I. 9—54747
Rodionov, I.M. *see* Grigoryan, S.S. 9—79586
Rodionov, N.B. *see* Gavrikov, V.F. 9—64217
Rodionov, N.B. *see* Oraevskii, A.N. 9—55125
Rodionov, S.A. *see* Zverev, V.A. 9—76894
Rodionova, I.M. *see* Melikhov, I.V. 9—87591
Rodionova, N.V. *see* Morozov, V.A. 9—64161
Rodnevich, B.B. *see* Porotnikov, A.A. 9—69949
Rodnyi, P.A. *see* Ershov, N.N. 9—99933
Rodono', M., Coluzzi, R., De Biase, G.A., Pucillo, M., Sedmak, G. Connection of data acquisition and processing systems of the Catania, Rome and Trieste Observatories for the observation and analysis of stellar flares 9—62751
Rodono, M., Pucillo, M., Sedmak, G., de Biase, G.A. On 'negative flares' and 'dips' of UV Cet-type stars 9—80317
Rodot, M. Energy research at CNRS; CNRS and solar energy 9—74497
Rodot, M., Dupas, A. Photovoltaic cells: current production and future prospects 9—100531
Rodrigo, F. *see* San Segundo, T. 9—63785
Rodrigues, A.R.D., Siddons, D.P. Inexpensive computer-controlled experimentation 9—49213
Rodrigues, W.A., Jr. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Rodrigues, W.A., Jr. *see* Yoffa, E.J. 9—56112
Rodriguez, C.O., Jaros, M., Brand, S. Self-consistent pseudopotential calculations of the electronic structure of a hydrogen interstitial in crystalline silicon 9—73469
Rodriguez, C.O. *see* Jaros, M. 9—73465
Rodriguez, E. An automatic revolution counter (tachometer) using LEDs 9—54112
Rodriguez, G. *see* Ojeda-Castaneda, J. 9—55064
Rodriguez, L.F., Chaisson, E.J. On the ionizing agent of the extended thermal component in the galactic center 9—97059
Rodriguez, L.F., Lichten, S.M. Radio recombination line observations of M8 at 5 and 10 GHZ 9—84832
Rodriguez, P. Magnetosheath electrostatic turbulence 9—66881
Rodriguez, P. *see* Alexander, J.K. 9—101025
Rodriguez, R., Aguilo, M., Tejada, J. Unstable growth of ADP crystals 9—99090
Rodriguez, R. *see* Combe, P. 9—58627
Rodriguez, R. *see* Tejada, J. 9—56637, 9—73870
Rodriguez, R.G. *see* Smith, R.C. 9—53568
Rodriguez de Avila, C., Palacios, J.M., Arizmendi, L. Friction and wear in line contact and oscillatory movement 9—98671
Rodriguez-Reinoso, F. *see* Linares-Solano, A. 9—51396
Rodriguez-Trelles, F. *see* Banuelos, A. 9—64162, 9—72426
Rodriguez-Vargas, A.M. The sigma-term and the g_A axial coupling constant in pion-nucleon scattering 9—63517
Rodriguez-Vidal, M. *see* Conzalez-Diaz, G. 9—82686
Rodriguez-Vidal, M. *see* Jimenez-Rodriguez, J.J. 9—87550
Roduner, E., Fischer, H. Frequency spectra of muonic radicals 9—55004
Roduner, E., Fischer, H. The importance of tunnelling in chemical reactions of muonium 9—57276
Roe, B.P., Gustafson, H.R., Heller, K.J., Jones, L.W., Longo, M.J. A prompt neutrino measurement 9—63537
Roe, B.P. *see* Ammosov, V. 9—71737
Roe, B.P. *see* Berge, J.P. 9—71741
Roe, B.P. *see* Efremenko, V.I. 9—75763
Roe, K.K., Dajani, T. System design requirements to accommodate sodium spills in liquid-metal fast breeder reactor plants 9—97845
Roebers, H.J. *see* Leenhouts, F. 9—90711
Roeckl, E. *see* Ewan, G.T. 9—71820
Roeckl, E. *see* Schardt, D. 9—93567
Roed, L.P. *see* Buckley, J.R. 9—92547
Roedel, R.J. *see* Chin, A.K. 9—64964
Roedel, W., Junkermann, W. High volume sampling of SO_2 for isotopic studies by gas absorption in small droplets 9—70500
Roedel, W. *see* Junkermann, W. 9—53411
Roeder, D. *see* Minehart, R. 9—76032
Roeder, R.C. *see* Boggess, A. 9—71149
Roeder, S.B.W. *see* Fukushima, E. 9—93187
Roedhammer, P. *see* Weber, W. 9—99283
Roehrig, H. *see* Seeley, G.W. 9—74751
Roekaerts, D. *see* Langouche, F. 9—71280, 9—80516, 9—84999, 9—88879, 9—97254, 9—97255
Roeland, L.W. *see* Arko, A.J. 9—56116, 9—65369
Roelandt, J., Wladimiroff, J.W., Baars, A.M. Ultrasonic real time imaging with a hand-held scanner. II. Initial clinical experience 9—62317
Roelandt, J. *see* Vogel, J.A. 9—70597
Roelfsema, K.E., den Hartog, H.W. Linear-electric-field effect of $LaCl_3:Gd^{3+}$ 9—73808
Roelof, E.C., Gold, R.E. Prediction of solar energetic particle event histories using real-time particle and solar wind measurements 9—58204
Roelof, E.C. *see* Cronyn, W.M. 9—58214
Roelofs, L. *see* Elam, W.T. 9—69329
Roelofs, L.D., Park, R.L., Einstein, T.L. Adlayer-induced LEED beams near order-disorder transitions 9—82438
Roemer, L.E. *see* Seiberling, W.E. 9—62402
Roenhrenbeck, P.W. *see* Weber, J.L. 9—94350
Roepstorff, G. Bounds for a Bose condensate in dimensions $\nu \geq 3$ 9—54051
Roesch, L.Ph. *see* Truttmann, P. 9—54429
Roesink, H.D.W., Koenhen, D.M., DeJongh, M.A., Smolders, C.A. A rapid preparation technique for studying highly water-swollen membranes with a scanning electron microscope (SEM) supplied with a cryo-unit 9—89047
Roessler, B. *see* Gorska, M. 9—73609
Roessler, C.E., Wethington, J.A., Jr. Chemical problems associated with technologically enhanced natural radiation 9—96346
Roessler, D.M., Faxvog, F.R. Opacity of black smoke: calculated variation with particle size and refractive index 9—72488
Roessler, J., Ferrer, R., Glass, B. On the susceptibility of a Mott insulator 9—78302
Roethe, A. *see* Roethe, K.P. 9—77817
Roethe, K.P., Roethe, A., Fiedler, K., Gelbin, D. Anomaly of the diffusion behaviour of n-alkanes in NaMgA-zeolites at higher temperatures 9—77817
Roetzel, W. Calculation of conduction and radiation with film boiling from a flat plate 9—72789
Rofes-Vernis, J. *see* LeBon, A. 9—61632
Roffel, B. Dynamic behaviour of widely used systems. II. A heat exchanger 9—75525
Roffel, B. The dynamic behaviour of continuous systems. III. Impurities in a river 9—88011
Rogachev, A.A. *see* Asnin, V.M. 9—73542
Rogachev, N.F. *see* Tarshish, M.S. 9—82004
Rogacheva, V.B. *see* Kabanov, N.M. 9—55018
Rogal, A.A. *see* Abdivaliev, L. 9—93568
Rogal', V.F. Coarse models of capillary leakages and test leaks 9—52587
Rogal', V.F. Increased reliability of manometric tightness control 9—79214
Rogal', V.F., Grach, P.K. Effect of some factors on the time for inspection for airtightness with kerosene 9—52579
Rogalla, D., Trippel, G. Amorphous, soft magnetic $Fe_{80}B_{20}$ film with Ni addition 9—82836
Rogalla, D. *see* Mukherjee, S.K. 9—65700
Rogalla, H., Heiden, C. Magnetic after effects in a type-II superconductor 9—60964
Rogalova, Z.N. *see* Kim, A.G. 9—49225
Rogal'skii, V.I. *see* Efimov, A.I. 9—88560
Rogal'skii, V.I. *see* Kolosov, M.A. 9—80295
Rogan, J.E. Industrial solar total energy systems in the USA 9—96426
Roganov, P.S. *see* Shishov, E.V. 9—86415
Roganov, V.S. *see* Gurevich, I.I. 9—56676
Roganova, T.M. *see* Baiburina, S.G. 9—80156, 9—80170
Rogel'berg, I.L. *see* Cherenkov, V.A. 9—60788
Roger, A. Determination of the index profile of a dielectric plate from scattering data 9—49067
Roger, A., Maystre, D. The perfectly conducting grating from the point of view of inverse diffraction 9—94149
Roger, G. *see* Blanc, C. 9—71490
Roger, M. Four spin exchange explains some experimental magnetic properties of BCC ^3He 9—69319
Roger, M. *see* Delrieu, J.M. 9—56031
Rogers, A.E.E. *see* Clark, T.A. 9—88920
Rogers, A.E.E. *see* Cotton, W.D. 9—53922
Rogers, A.G. *see* Clemmer, R.G. 9—85784
Rogers, A.M., Hays, W.W. Preliminary evaluation of site transfer functions developed from earthquakes and nuclear explosions 9—88301
Rogers, B.D. Holographic information storage 9—50265
Rogers, D.A. *see* Brosson, P. 9—98395
Rogers, D.V., Hyde, G. Diversity measurements of 11.6-GHz rain attenuation at Etam and Lenox, West Virginia 9—79922
Rogers, G.L. Safelight for Agfa 10E75 and 8E75 plates: a correction 9—63318
Rogers, G.L. Noncoherent methods of Fourer transformation 9—76624
Rogers, G.L. The stellar interferometry of a star cluster with a prominent variable 9—84680
Rogers, J.D. Inductive and rotating machinery energy storage and transfer 9—85782
Rogers, J.G. *see* Blackmore, E.W. 9—72060
Rogers, J.T. Candu moderator provides ultimate heat sink in a LOCA 9—81021
Rogers, J.W., Jr., White, J.M. Adsorption and decomposition of methanol on aluminium 9—82441
Rogers, J.W., Jr. *see* Taylor, T.N. 9—77908
Rogers, K.F. *see* Yates, B. 9—55909
Rogers, L.B. *see* Glajch, J.L. 9—74433
Rogers, L.M. Thermography: promise of the PEV camera 9—93143
Rogers, M.A. *see* Hume, S.P. 9—57595
Rogers, P. On the choice of the 'appropriate model' for water resources planning and management 9—83650
Rogers, P.J. A comparison between optimised spheric and aspheric optical systems for the thermal infrared 9—86244
Rogers, P.S., Weston, R.M. Anisotropic properties of unidirectionally crystallized calcium metasilicate 9—56969
Rogers, R.J. *see* Davies, H.G. 9—81786
Rogers, R.R., Zawadski, I.I. Rainfall statistics for application to plume rainout models 9—84355
Rogers, R.R. *see* Drufuca, G. 9—70827
Rogers, T.G. *see* Clark, J.H.E. 9—88411
Rogers, T.H., Cluff, L.S. The may 1976 Friuli earthquake (Northeastern Italy) and interpretations of past and future seismicity 9—79753
Rogers, V.C. The environmental impact of uranium mill tailings generated between 1975 and 2030 9—85825
Rogers, V.C., Baird, R. Radiation pathways and potential health impacts from inactive uranium mill tailings 9—85826
Rogers, V.C. *see* Adam, J. 9—52960
Rogers, V.C. *see* Adam, J.A. 9—93763
Rogers, V.C. *see* Jensen, C.M. 9—52964
Rogers, W. *see* Sater, B.L. 9—62010
Rogers, W.J. *see* Gerkin, R.E. 9—69717
Rogers, W.J. *see* Papapietro, S.E. 9—70637
Rogers, W.L. Initial experience with a coded aperture for myocardial imaging 9—92372
Rogers, W.L. *see* Koral, K.F. 9—92348
Rogerson, J.E. *see* Jacobs, V.L. 9—68903
Rogge, M. *see* Wiktor, S. 9—97719
Rogiers, J., Ferer, M., Scaggs, E.R. Confluent-singularity analysis of high-temperature series for thermodynamic functions of the $S=^1/_2$ XY model, the $S=\infty$ XY model, and the planar-rotator model on the FCC lattice 9—69686
Roginskii, S.L. *see* Koltunov, M.A. 9—95994
Rogister, A., Hasselberg, G. Asymptotic theory of dissipative trapped electron mode overlapping many rational surfaces 9—98907
Rogister, A., Hasselberg, G., El-Nadi, A. Nonlinear stabilization of drift waves 9—98908
Rogl, P. *see* Sobczak, R. 9—61041
Rogler, F. *see* Hortenback, K.L. 9—70919
Roglinov, A., Horalek, J., Plesinger, A., Vanek, J. Magnitude scale structure from filtered broad-band P-wave records 9—92509
Rognebakke, A. *see* Armenise, N. 9—67533
Rognebakke, A. *see* Bonetti, S. 9—49509
Rogoff, P. *see* Jassby, D.L. 9—50898
Rogojan, A., Pop, V., Coifan, V. Didactic microcomputer 9—80396
Rogov, V.I. *see* Andreev, V.N. 9—89339
Rogovin, D., Scully, M. Partially phase-correlated junction states 9—65606
Rogovin, D. *see* Nagel, J. 9—94262
Rogovina, L.Z., Chalykh, A.E., Valetskii, P.M., Nekhaenko, E.A., Genin, Ya.V., Zakharova, N.I., Levin, E.I., Dolgoplosk, S.B., Vinogradova, S.V., Slonimskii, G.I., Korshak, V.V. Structure, properties and the process of phase conversion in poly(arylate organosiloxane) polyblock copolymer 9—65010
Rogovina, L.Z. *see* Storozhuk, I.P. 9—55915
Rogovina, L.Z. *see* Vasil'ev, V.G. 9—54123
Rogovsky, A.J., Rose, J.L. Ultrasonic testing sensitivity selection based on probabilistic techniques 9—91871
Rogowski, J. *see* Drzewiecki, J. 9—93180
Rogozinskii, V.G. *see* Balbekov, V.I. 9—63829
Rogozyanov, A.Ya. *see* Kiselevskii, V.N. 9—91793
Rogozyanskaya, L.M. *see* Braude, I.S. 9—65078
Rogstad, D.H., Crutcher, R.M., Kwong Chu Aperture-synthesis observations of H I in the galaxy NGC 300 9—53905
Rogula, D., Sztyren, M. Fundamental one-dimensional solutions in nonlocal elasticity 9—67163
Rogula, D. *see* Kapelewski, J. 9—69214
Rogula, D. *see* Kotowski, R. 9—69200
Roh, W.B. *see* Switzer, G.L. 9—85964
Rohar, S. *see* Petenyi, V. 9—89372
Rohar, S. *see* Stubna, M. 9—89374
Rohatgi, A., Butler, S.R., Feigl, F.J. Mobile sodium ion passivation in HCl oxides 9—70187
Rohatgi, A., Butler, S.R., Feigl, F.J., Kraner, H.W., Jones, K.W. Chlorine incorporation in HCl oxides 9—70186
Rohatgi, K. *see* Rohatgi, P.K. 9—67140
Rohatgi, P.K., Bhutani, A.K., Abraham, K.P. Directional solidification of aluminum-nickel eutectic alloys using electroslag remelting 9—61578
Rohatgi, P.K., Rohatgi, K., Bowonder, B. Technological forecasting and futurology in India: present and future 9—67140
Rohatgi, V.K. *see* Mittall, M.L. 9—92085
Rohatgi, V.K. *see* Satyamurthy, P. 9—85136
Rohatgi-Mukherjee, K.K. *see* Samanta, U. 9—78726

Rohatschek, H. Stable circular, cycloidal and oscillatory orbits of photophoresis. I 9—61908
Rohatschek, H. Stable circular, cycloidal and oscillating orbits of photophoresis. II 9—80545
Rohde, A., Sackmann, E. Quasielastic light-scattering studies of micellar sodium dodecyl sulfate solutions at the low concentration limit 9—79307
Rohde, D.F., Goldsberry, T.G., Olsen, W.S., Reeves, C.R. Band elimination processor for an experimental parametric acoustic receiving array 9—90086
Rohde, D.F. *see* Reeves, C.R. 9—64469
Rohde, H.-J. Development of cadmiumsulfide-cadmiumselenide thin film photoresistors with optimum photoelectric performance 9—60941
Rohde, M. *see* Barber, D. 9—54289, 9—54346
Rohde, M. *see* Barber, D.P. 9—89175, 9—97631
Rohde, R.S., Buser, R.G. Index of refraction turbulence effects on thermal blooming in laboratory experiments 9—50357
Rohde, R.S. *see* Ewanizky, T.F. 9—81461
Rohleder, J.W. *see* Kusto, W.J. 9—82944
Rohler, B. *see* Otto, L. 9—49281
Rohler, R. Sensitivity variations in the visual system, contrast resolution and eye movements 9—53088
Rohlf, J. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Rohlfs, K. *see* Celnik, W. 9—75273
Rohling, S. *see* Nemec, J. 9—83903
Rohm, H.-J. Calculation of the condensation of multicomponent mixtures of vapours 9—55323
Rohmig, P. *see* Billan, J. 9—72049
Rohner, P. *see* Laeger, H. 9—58758, 9—63234
Rohr, D.L., Hecker, S.S., Murr, L.E. Brittle fracture in polycrystalline Ir-0.3 pct W 9—61715
Rohr, G. The process of angle-synchronous contact sensing for noise investigations 9—68477
Rohr, G. *see* Mewissen, L. 9—54436
Rohra, A., Thyagarajan, K., Ghatak, A.K. Aberrations in curved graded-index fibers 9—55219
Rohrbaugh, J.W., Syndulko, K., Lindsley, D.B. Cortical slow negative waves following non-paired stimuli: effects of task factors 9—62266
Rohrbaugh, R.P., Nisbet, J.S., Bleuler, E., Herman, J.R. The effect of energetically produced O_2^+ on the ion temperatures of the Martian thermosphere 9—96945
Rohrer, H. *see* Kerszberg, M. 9—78398
Rohrer, H. *see* King, A.R. 9—87277
Rohrer, R. *see* Christensen, R. 9—93730
Rohrer, U. *see* Adam, S. 9—54701
Rohrig, N., Bird, R.P., Colvett, R.D., Rossi, H.H., Marino, S.A. Unique biophysical studies with diatomic deuterium beams 9—53196
Rohringer, H. *see* Girtler, P. 9—89197
Rohringer, H. *see* Otter, G. 9—85338
Rohrlich, F. Relativistic Hamiltonian dynamics. I. Classical mechanics 9—49031
Rohrlich, F. Relativistic particle sytems with confining interactions 9—63029
Rohsenow, W.M. Discussion of Fand-Ho paper on Rohsenow pool boiling equation 9—59910
Rohsenow, W.M. *see* Chiu, C. 9—59140
Rohsenow, W.M. *see* Corradini, M. 9—93775
Rohsenow, W.M. *see* Ganic, E.N. 9—81959
Rohwein, G.J. A three megavolt transformer for PFL pulse charging 9—76173
Roife, I.M. *see* Burtsev, V.A. 9—64887, 9—72475
Roig, J. *see* Fesquet, J. 9—89911
Roig, J. *see* Saurel, J.M. 9—81545
Roig, R.A. *see* Miller, M.H. 9—93956
Roilos, M. Experimental Hall effect data for amorphous semiconductors 9—51606
Roinel, Y. *see* Abragam, A. 9—65654
Roinel, Y. *see* Roubeau, P. 9—58701
Roinishvili, N.N. *see* Baiburina, S.G. 9—80156, 9—80170
Roitman, P. *see* Myers, D.R. 9—69137
Roizen, I.I. Some consequences of the unitarity and crossing for high-energy scattering 9—80764
Roizen, L.I. *see* Rubin, I.P. 9—55315
Roizman, P.S. *see* Vil'ner, D.E. 9—72728
Rojas, E. *see* Yanes, C. 9—58689
Rojey, A. *see* Cardinne, P. 9—58721
Rojkowski, Z. Two parameter kinetic equations of size dependent crystal growth 9—65016
Rokeakh, A.I. *see* Vazhenin, V.A. 9—95639
Rokhlenko, D.A. *see* Sokol, V.A. 9—87598
Rokhlin, L.L., Nikitina, N.I., Zolina, Z.K. Magnesium alloys with erbium 9—96001
Rokhlin, S. Interaction of Lamb waves with elongated delaminations in thin sheets 9—98574
Rokhvarger, E.L., Grum-Grzhimailo, O.S., Opaleichuk, L.S., Pavlov, V.F. Transformations in a mullite-mass ceramic rollers with heat treatment 9—61616
Rokityanskaya, D.A. *see* Rokityanskii, I.I. 9—96737
Rokityanskaya, D.A. *see* Rokityanskiy, L.I. 9—62432
Rokityanskii, I.I., Vasin, N.D., Golod, M.I., Novitskii, G.P., Rokityanskaya, D.A., Sokolov, S.Ya. Electric conductivity anomalies in the south of Karelia 9—96737
Rokityanskiy, L.I., Logvinov, I.M., Maksinov, V.M., Rokityanskaya, D.A., Shigayev, Yu.G., Shul'man, M.G. Areal magnetovariation studies in the central part of the Russian Platform 9—62432
Rokne, J. *see* Singh, B.M. 9—72859
Rokni, M. *see* Jacob, J.H. 9—82044, 9—98345
Rokni, M. *see* Medhekar, A.K. 9—100430
Rokos, I.A., Rokosova, L.A., Kirikov, V.A., Gladkii, V.V. Uniform deformation and birefringence in crystals in a nonuniform electric field 9—87396
Rokosova, L.A. *see* Rokos, I.A. 9—87396
Roksnoer, P.J. *see* Kuiken, H.K. 9—74082
Rokushika, S. *see* Karasek, F.W. 9—74436
Rokushima, K. *see* Yamakita, J. 9—72710
Roland, S. *see* Colomes, J. 9—58069
Roldugin, V.I. *see* Bakanov, S.P. 9—55407
Rolfe, J. First excited state of the O_2^- ion [in NaCl crystal] 9—56843
Rolfe, J. *see* Carrington, R.L. 9—76257
Rolfe, P. In vivo blood pO_2 measurement 9—100782
Rolfe, P. *see* How, T.V. 9—53200
Rolfe, R.M. *see* Ray, L. 9—63669
Rolfo, A. A cryogenic passive radiative cooler three years in space flight results 9—54140
Rolfo, A. *see* Prost, R. 9—54122
Rolfs, C. *see* Hammer, J.W. 9—54736
Rolfs, C. *see* Trautvetter, H.P. 9—59287
Rolin, M.N., Yurevich, F.B., Kondrashov, V.V. An approximate method for calculating transfer coefficients for partially ionized gas mixtures 9—72991
Rolison, D.R., Kuo, K., Umana, M., Brundage, D., Murray, R.W. Properties of RuO_x working electrodes in nonaqueous solvents 9—91960
Roll, K., Hammer, C. Determination of the depth resolution in Auger depth profiling measurements 9—78800
Roll, K. *see* Rebholz, M. 9—76978
Roll, R. *see* Hausmann, A. 9—87312
Rolla, P.A. *see* Faetti, S. 9—98817
Rolland, M. *see* Bernier, P. 9—82859
Rolland, P. On Dupree's resonance function 9—60124
Rollema, H.J. *see* Griffiths, D.J. 9—88110
Rollier, M. *see* Armenise, N. 9—67533, 9—67536, 9—93397, 9—93398
Rollier, M. *see* Bonetti, S. 9—49509
Rollins, H.B. *see* Cain, B. 9—70743
Rollins, R.W. *see* Anjaneyulu, Y. 9—56463
Rollmann, G., Reinhart, K.F., Noack, F. NMR pulsed field gradient study of self-diffusion in the isotropic phase of the liquid crystals MBBA and EBBA 9—90814
Rolnick, W.B. Consequence of lack of invariance under active Lorentz transformations 9—84951
Rolnick, W.B. *see* Kane, G.L. 9—67545
Rolnitzky, L.M. *see* Birman, K.P. 9—70662
Rolov, B. *see* Madzhulis, I. 9—91381
Rolov, B.N. *see* Bystrov, V.S. 9—56755, 9—69784
Rolov, B.N. *see* Yurkevich, V.E. 9—56741
Rol'shchikova, G.D. *see* Lysenko, A.G. 9—52490
Roma, V. *see* Furiozzi, L. 9—96637
Romagnan, J.P. *see* Laheurte, J.P. 9—51387, 9—56014
Romagnoli, O. *see* Pola, P. 9—100758
Romaine, W.R. *see* Matlin, R.W. 9—70442
Romakniskna Rao, G., Kadom, D.M., Skinde, J.S., Varade, S.B. Effective rainfall analysis at Parbhani 9—96794
Romalis, N.B. Deformation of a stochastically inhomogeneous solid with an opening 9—86337
Roman, G., Almayrac, P. Use of teledetection for identification of fields under irrigation 9—96774
Roman, M. *see* Gadomski, W. 9—78648
Roman, O.V. *see* Kiparisov, S.S. 9—66021
Roman, S. The form of the spin-orbit potential for spin-$^1/_2$ particles 9—97686
Romanchenko, V.I., Stepanov, G.V., Amel'yanovich, K.K., Sobolev, E.V. Fracture of glass under impulse loading 9—57118
Romanchev, B.A. *see* Terminasov, Yu.S. 9—83329
Romanchishen, A.F. Electrode system for rheographic investigation of the thyroid gland 9—57783
Romanek, K.M. *see* Goebel, E. 9—95439
Romanelli, L. *see* Duhau, S. 9—75021
Romanenko, I.N. Dynamics of a system of parallel developing impulsive arcs in dense gases on discharge 9—82109
Romanenko, N.T., Averin, V.Z., Kharchenko, I.A. Wave generating apparatus for a given wave spectrum 9—77142
Romanenko, O.L., Vinetskii, V.L., Shablii, I.Yu., Litvinenko, A.Ya. Bulk photo-EMF investigation of defects formed in CdS single crystals by laser radiation of subthreshold intensity 9—91098
Romanenko, V.G. *see* Zhitomirskij, I.S. 9—94465
Romani, G.L. *see* Bordoni, R. 9—63274
Romanishin, W. *see* Humphreys, R.A.M. 9—67007
Romaniv, O.N., Andreikiv, A.E., Kuklyak, N.L., Sorokivskii, I.S., Pan'ko, I.N., Krys'kiv, A.S. One method of evaluating the structural strength of parts operating under torque 9—83280
Romaniv, O.N., Gladkii, Ya.N., Nikiforchin, G.N. On a certain calculated hypothesis proposed for assessing the influence of aggressive environments on the cyclic cracking resistance of metals and alloys 9—52434
Romankevich, O.V., Frenkel', S.Ya. Conformational modifications and equilibrium temperature of polyethylene melting 9—51240
Romankiw, L.T. *see* Krongelb, S. 9—83347
Romano, F. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Romano, G. *see* Angelini, C. 9—67548
Romano, G. *see* Barbieri, C. 9—101215
Romano, G. *see* Read, A.L. 9—49510
Romano, J.C. *see* Sautriot, D. 9—62523
Romano, M. *see* Terrasi, F. 9—80912
Romano, S., Clementi, E. Monte Carlo simulation of water solvent with biomolecules. Glycine and the corresponding zwitterion 9—53026
Romano, S., Singer, K. Calculation of the entropy of liquid chlorine and bromine by computer simulation 9—77486
Romanosky, R.R. *see* Nuhfer, E.B. 9—88035
Romanov, A.A. *see* Gasilin, V.V. 9—57173
Romanov, A.B., Tolstikhin, V.I. Parametric down-conversion of a laser beam in a magnetic semiconductor 9—64287
Romanov, A.E. *see* Vladimirov, V.I. 9—73165
Romanov, A.I. *see* Mel'nik, M.T. 9—83184
Romanov, B.S. *see* Nemtsov, L.D. 9—88497
Romanov, G.A. *see* Kopylova, E.A. 9—95744
Romanov, G.S., Urban, V.V. Numerical modeling of the nonstationary two-stage axisymmetric escape of a gas into a submerged space 9—77200
Romanov, G.V. *see* Ostroumov, P.N. 9—59291
Romanov, I.V. *see* Khashchina, M.V. 9—88908
Romanov, N.G. *see* Baranov, P.G. 9—65733, 9—99793
Romanov, S.A. Asymmetry of the region of interaction of the solar wind with Venus based on data of the automatic interplanetary stations Venera 9 and Venera 10 9—80181
Romanov, V.A. *see* Gribnikov, Z.S. 9—51140
Romanov, V.A. *see* Iokdo, M.G. 9—80145
Romanov, V.A. *see* Zhad'ko, I.P. 9—51666
Romanov, V.F. *see* Makarov, R.I. 9—61553
Romanov, V.M. *see* Bessarab, A.V. 9—55530
Romanov, V.N. Anharmonic contributions to specific heat and thermal expansion of crystals 9—82354
Romanov, V.N., Frolov, I.V., Schwarz, A.S. Spherically symmetric solutions 9—97521
Romanov, V.P., Chaplygin, Yu.A. Stationary distribution of mobile charge in the dielectric of MOS structures 9—87159
Romanov, V.P. *see* Adzhemyan, L.V. 9—95082
Romanov, V.P. *see* Klimenko, I.N. 9—82758
Romanov, V.P. *see* Mamalui, Yu.A. 9—95697
Romanov, V.S. *see* Kostetskii, B.I. 9—52484
Romanov, V.V. *see* Masterov, V.F. 9—61044
Romanov, Yu.A., Bovin, V.P., Orlov, L.K. Nonlinear amplification of electromagnetic oscillations in semiconductors with superlattices 9—51623
Romanov, Yu.A., Dryakhlushin, V.F. Third order secondary echo and the non-linear transmission of electromagnetic waves across a plasma layer 9—55508
Romanov, Yu.A. *see* Dryakhlushin, V.F. 9—82069
Romanov, Yu.A. *see* Myshlyaev, M.M. 9—77603, 9—90670
Romanov, Yu.I. *see* Gnedov, Yu.A. 9—75755
Romanova, A.V., Brovko, A.P., Il'inskii, A.G., Isai, V.N. Interconnection between structure factor of liquid metal and interatomic interaction potential 9—69006
Romanova, A.V. *see* Prigunova, A.G. 9—73091
Romanova, G.F. *see* Barna, A. 9—55667
Romanova, V.D. *see* Liflyandchik, B.I. 9—80694
Romanovskaya, K.M. *see* Bogomolov, K.S. 9—68370
Romanovskii, E.A. *see* Petukhov, V.P. 9—59394
Romanovskii, M.R. *see* Makarov, A.M. 9—88797
Romanovskii, S.G., Margolin, L.I., Genin, E.A. Investigation of transfer of phase transition boundaries on pulse heating 9—68557
Romanovskii, V.A. Configurations and currents in neutral mono-energetic relativistic electron beams 9—98269
Romanovskii, Yu.A. *see* Mauskop, E.M. 9—67428
Romanovskii, Yu.M., Pentegova, L.I. Spread of perturbations in active media with auto-oscillatory properties 9—57562
Romanovskii, Yu.M. *see* Priezzhev, A.V. 9—66598
Romanovskii, Yu.M. *see* Priyezzhev, A.V. 9—57681
Romanowicz, B.A. Seismic structure of the upper mantle beneath the United States by three-dimensional inversion of body wave arrival times 9—53322
Romanowski, T.A. *see* Nagle, D.E. 9—63500
Romanowski, Z. *see* Sokolowski, M. 9—95938
Romantsova, G.I. *see* Iogansen, A.V. 9—54856
Romanyuk, B.I. *see* Ermolaeva, E.O. 9—94443
Romanyuk, L.I. *see* Pasechnik, L.L. 9—64879
Romanyuk, N. *see* Stankowska, J. 9—82997
Romanyuk, N.I. *see* Shpenik, O.B. 9—54974

Romashchenko, Yu.A. *see* Kesil'man, E.Sh. 9—80082
Romashchenko, Yu.A. *see* Krymskii, G.F. 9—80122
Romashchenko, Yu.N. *see* Brytov, I.A. 9—69400
Romashchenko, Yu.N. *see* Mstibovskaya, L.E. 9—69910
Romashenko, Yu.A. *see* Krymskii, G.F. 9—80121
Romashev, L.N. *see* Bogachev, I.N. 9—91648
Romashev, L.N. *see* Zemtsova, N.D. 9—69669
Romashkov, A.P. Metrological support to IR flash photometry 9—75569
Romashkova, K.A. *see* Sidorovich, A.V. 9—57029
Romaya, A.M. *see* Allison, W.W.M. 9—76258
Romeiras, F.J., Dougherty, J.P. Pade approximants and nonlinear waves 9—73004
Romelt, J., Peyerimhoff, S.D., Buenker, R.J. An SCF and MRD-CI study of the ground and excited states of the He+H_2 system. II. Quenching of HD($^1\Sigma_u^+$) fluorescence and other energy transfer processes 9—86032
Romelt, J. *see* Ernsting, N.P. 9—72329
Romeo, G.Cara *see* Cara Romeo, G.
Romeo, N., Sberveglieri, G., Tarricone, L. Growth and properties of low resistivity CdS films 9—51460
Romeo, N., Seuret, D., First, F. Properties of the ZnSe/ZnTe heterojunction prepared by a multi-source evaporation of ZnTe:Sb on ZnSe single crystals 9—95483
Romeo, N. *see* Paorici, C. 9—52095
Romer, H. Axial anomaly and boundary terms for general spinor fields 9—63122
Romer, M. *see* Goebbels, K. 9—83416
Romer, O. *see* Brandelik, R. 9—63491, 9—93441
Romera, A.M.V.de *see* de Romera, A.M.V.
Romero, A. *see* Angelini, C. 9—67548
Romero, A. *see* Armenise, N. 9—67533
Romero, A. *see* Bonetti, S. 9—49509
Romero, L.S. *see* Mikols, W.J. 9—59212
Romero, M.C. *see* Dalmases, F. 9—92399, 9—100549
Romeskie, M. Chromatic opponent-response functions of anomalous trichromats 9—53123
Romestain, R. *see* Buisson, R. 9—56450
Romestain, R. *see* Geschwind, S. 9—95789
Romine, J. *see* Sandquist, G.M. 9—53285
Romine, R.F. *see* Myers, L.T. 9—75999
Romisch, H. *see* Stein, G. 9—96256
Romiszowski, P. *see* Orszagh, A. 9—66294
Romo, W.J. Asymptotic forms of radial wavefunctions and Jost functions for cutoff potentials 9—71278
Romond, D. *see* Saha, S. 9—92286
Rompa, H.W. *see* Sluijter, F.W. 9—64152
Rompe, R. A. Einstein and Berlin physicists in late twenties 9—84927
Ron, A. *see* Peter, W. 9—90439
Rona, M. *see* Basar, E. 9—74627
Ronacher, B. Equivalence of differences in size and brightness in the visual perception of the honeybee 9—53128
Ronacher, B. Perceived stimulus differences in the honeybee: contribution of individual parameters 9—53129
Ronald, C. *see* Harrison, L.C. 9—88164
Ronan, M.T. *see* Blanar, G.J. 9—93473
Ronan, M.T. *see* Piccolo, M. 9—93439
Ronan, M.T. *see* Rapidis, P.A. 9—75780
Ronat, E. *see* Brandelik, R. 9—63491, 9—93441
Ronat, E.E. *see* Eisenberg, Y. 9—54367, 9—75804
Ronay, M. Yield stress of thin FCC polycrystalline metal films bonded to rigid substrates 9—99463
Roncadelli, M. A simplified approach to the Schrodinger equation 9—58575
Ronch, A.Da *see* Da Ronch, A.
Ronchi, C. Physical processes and mechanism related to fission gas swelling in MX-type nuclear fuels 9—97808
Ronchi, L. *see* Bertolotti, M. 9—100947
Ronchi, L. *see* Bruscaglioni, R. 9—62237
Ronchi, L. *see* Ciolli, P. 9—50228
Roncin, J. *see* Michaut, J.P. 9—95648
Rondarev, V.S. *see* Geidur, S.A. 9—86811
Ronde, J.de *see* de Ronde, J.
Rondelez, F., Litster, J.D. Light-scattering studies of the monomer-dimer states of gramicidin A 9—92143
Rondelez, F. *see* Hervet, H. 9—77789
Rondigs, G., Kusch, H.J. The Stark width of the Ar I-line 3949 Å in a medium electron density plasma 9—63954
Ronen, Y. Inverse perturbation theory 9—93691
Ronen, Y., Regev, D., Radkowsky, A. Analysis of BNL $^{233}UO_2$-ThO_2-D_2O and H_2O exponential experiments with WIMS-d code and data 9—81000
Roney, W. *see* Bitter, M. 9—82098
Roney, W. *see* Hill, K.W. 9—68956
Rong Chen *see* Chen Rong
Rong Nie *see* Nie Rong
Rong Wang Short-range structure for amorphous intertransition metal alloys 9—50995
Rong-xian Qin *see* Qin Rong-xian
Ronga, F. *see* Esposito, B. 9—63489
Ronggen Zhong *see* Zhong Ronggen
Rongsheng Wu *see* Wu Rongsheng
Rongyin Feng *see* Feng Rongyin
Ronis, D., Bedeaux, D., Oppenheim, I. On the derivation of dynamical equations for a system with an interface 9—49155
Ronis, D., Procaccia, I., Oppenheim, I. Statistical mechanics of stationary states. III. Fluctuations in dense fluids with applications to light scattering 9—54035
Ronis, D., Procaccia, I., Oppenheim, I. Statistical mechanics of stationary states. II. Applications to low-density systems 9—58624
Ronis, D. *see* Procaccia, I. 9—58623
Ronis, D.F. *see* Vlasova, N.I. 9—50361
Ronn, A.M. Laser chemistry 9—100415
Ronnang, B.O. *see* Schilizzi, T.R. 9—92878
Ronneberger, D., Ackermann, U. Experiments on sound radiation due to non-linear interaction of instability waves in a turbulent jet 9—50720
Ronningen, R.M. *see* Austin, S.M. 9—54441
Ronningen, R.M. *see* de Lima, A.P. 9—54377
Ronningen, R.M. *see* Piercey, R.B. 9—54393
Ronningen, R.M. *see* Walker, P.M. 9—93489
Ronnpagel, D. A new method of deformation calorimetry 9—50682
Ronova, I.A. *see* Timofejeva, G.I. 9—61862
Ronsen, B. Safe Drinking Water Act: Quality assurance and compliance for the water supply laboratory 9—74558
Rontal', G.D. *see* Gnesin, G.G. 9—95987
Ronzhin, A.I. *see* Baldin, B.Yu. 9—68140
Ronzhin, A.I. *see* Vasil'chenko, V.G. 9—93869
Roo, M.de *see* de Roo, M.
Roo, P.Bhaskar *see* Bhaskar Roo, P.
Roobol, M.J. *see* Shanti, M. 9—70799
Rood, H.J., Leir, A.A. Multiplicity of the first brightest galaxy in a cluster versus Bautz-Morgan type 9—92873
Rood, H.J. *see* Chincarini, G. 9—71106
Rood, R.T. *see* Goldstein, S.J. 9—53941
Roodbergen, T.D. Application of electronic equipment in flow measurement and its legal aspects 9—68841
Rooij, F.A.J.De *see* De Rooij, F.A.J.
Rooij, H.van *see* van Rooij, H.
Rooijen, J.J.Van *see* Van Rooijen, J.J.
Rooijmans, C.J.M., Dr. *(editor)* Crystals for magnetic applications 9—69967
Rook, J.R. Potential models for kaon-nucleon scattering and kaonic atoms 9—97731
Rook, J.R. *see* von Geramb, H.V. 9—93546
Rook, J.R. *see* Wycech, S. 9—93452
Rooke, D.P., Jones, D.A. Stress intensity factors in fretting fatigue 9—90184
Rooker, S.J., Davies, C.N. Measurement of the coagulation rate of a high Knudsen number aerosol with allowance for wall losses 9—96374
Rooney, J.A. *see* Bundy, M.L. 9—96613
Rooney, J.A. *see* Carey, R.F. 9—55970
Rooney, J.M. *see* Ma, C.C. 9—91952
Rooney, T.A., Altmayer, L.H., Freeman, R.R., Zerenner, E.H. Rapid GC separations using short glass capillary columns 9—83529
Roos, B. *see* Nerbrant, P.-O. 9—59329
Roos, C. *see* Fry, J.R. 9—54366
Roos, H.-G. The asymptotic solution of a particular boundary operator 9—54015
Roos, J. *see* Huizinga, S. 9—82803
Roos, J.M.A. *see* Boersma, F. 9—61148
Roos, J.R. *see* Wollants, P. 9—74153, 9—87635
Roos, M., Kohler, H. Investigation of the reproducibility of electronic properties in n-type inverted silicon MOSFET surfaces 9—99628
Roos, M. *see* Kohler, H. 9—51678, 9—56318
Roos, N., Norman, C.A. Galaxy collisions and their influence on the dynamics and evolution of groups and clusters of galaxies 9—75282
Roos, O.von *see* von Roos, O.
Roos, P.G. *see* Chant, N.S. 9—89222
Roos, P.G. *see* Karaoglan, E. 9—76011
Roos, P.G. *see* Nadasen, A. 9—67650
Roose, U. *see* Hunger, W. 9—76299
Roosen, G. Optical levitation of spheres 9—98428
Roosen, G., Slansky, S. Influence of the beam divergence on the exerted force on a sphere by a laser beam and required conditions for stable optical levitation 9—76733
Roosmalen, A.J., Mol, J.C. An infrared study of the silica gel surface. I. Dry silica gel 9—87884
Roosnupp, A.Ya. *see* Volossov, A.A. 9—58816
Root, L.W. *see* Beveridge, J.L. 9—72059
Root, R.G. *see* Pirri, A.N. 9—60152
Roothaan, C.C.J., Soukup, G.A. Accurate and stable numerical Hartree-Fock calculations for atoms. I. The $1s^2$ ground state of H^-, He, Li^+, and Be^{++} 9—81155
Roots, J., Nystrom, B. Test of 'scaling laws' describing the concentration dependence of osmotic pressure, diffusion and sedimentation in semidilute macromolecular solutions 9—70377
Roots, J., Nystrom, B., Sundelof, L.O., Porsch, B. Frictional coefficient of macromolecules in concentrated solution and in the vicinity of the critical solution temperature. Diffusion and sedimentation studies of polystyrene in toluene and trans-decalin 9—95195
Roots, J. *see* Nystrom, B. 9—70385
Roots, W.D., Veevers, J.J., Clowes, D.F. Lithospheric model with thick oceanic crust at the continental boundary: a mechanism for shallow spreading ridges in young oceans 9—79781
Rooyen, D.van *see* van Rooyen, D.
Rope, E.L. *see* Hayward, R.A. 9—76560
Roper, L.D. Depletion of nonrenewable resources 9—62966
Roper, P.E., Martin, J.W. The effect of duplex ageing on the tensile behaviour of an Al-Zn-Mg alloy 9—91721
Roper, S., Ko, C.-P. Impulse blockade in frog cardiac ganglion does not resemble partial denervation in changing synaptic organization 9—53081
Ropert, A. *see* Aknin, J.P. 9—68001
Ropert, A. *see* Faure, J. 9—71985
Ropke, G., Der, R. The influence of two-particle states (excitons) on the dielectric function of the electron-hole plasma 9—56154
Ropke, G. *see* Richter, A. 9—99711
Ropke, U. *see* Morl, K. 9—91517
Ropp, R.C., Hall, S.W., Ropp, R.J., Carrol, B. Direct measurement of intrinsic conductivity of ZnO powders 9—99595
Ropp, R.J. *see* Ropp, R.C. 9—99595
Roquemore, W.M. *see* Switzer, G.L. 9—85964
Roques-Carmes, C. *see* Larere, A. 9—61594
Ros, P. Exact and simulated Coulomb holes and Coulomb correlation potentials for the ground state of the He isoelectronic systems 9—89594
Rosa, A.de *see* de Rosa, A.
Rosa, A.De *see* De Rosa, A.
Rosa, C.J. *see* Dirstine, R.T. 9—86790, 9—90650
Rosa, J., Tale, I. Mechanism of thermoluminescence in AlN:O 9—78761
Rosa, J.M., Hilbert, R.F. Results from experiment F11A after incurring cladding breach in EBR-II 9—67861
Rosa, L.P. *see* Alberi, G. 9—63509
Rosa, R. Electron interference: Lande's approach upset by a recent elegant experiment 9—49081
Rosa, R. *see* Armigliato, A. 9—83533
Rosa, S.Goulart, Jr. *see* Goulart Rosa, S., Jr.
Rosales, A. *see* Prigo, R.B. 9—97154
Rosanov, A. *see* Ammosov, V. 9—71737
Rosanov, A. *see* Jonker, M. 9—93399
Rosanske, R.C. *see* Hochmann, J. 9—93191
Rosard, D.D. Working fluids and turbines for OTEC power systems 9—83617
Rosasco, G.J. *see* Chabay, I. 9—66379
Rosati, S., Fantoni, S. A straightforward derivation of the FHNC equations 9—54048
Rosati, S. *see* Fantoni, S. 9—67682
Rosato, E. *see* de Rosa, A. 9—63652
Rosato, E. *see* Sandoli, M. 9—68174
Rosch, N. *see* Thornton, G. 9—72355
Roschchupkin, V.G. *see* Mironenko, Yu.P. 9—70250
Roschke, M.A. *see* Graven, R.M. 9—57456
Rose, A.E.A. *see* Morris, J.H. 9—66030
Rose, C.M., Besieris, I.M. Nth-order multifrequency coherence functions: A functional path integral approach 9—89836
Rose, D. Mechanisms underlying the receptive field properties of neurons in cat visual cortex 9—74662
Rose, D., Avery, R., Dickerman, C.E., Fauske, H.K., Mueller, C.J. Applicability of SAREF to alternative fuels 9—49773
Rose, G.K. *see* Tait, J.H. 9—96688
Rose, H., Grams, J., Kuepers, G. Thermal-hydraulic effects of pipe ruptures 9—97846
Rose, H. *see* Sulem, P.L. 9—50713
Rose, H.A. Renormalized kinetic theory of nonequilibrium many-particle classical systems 9—82038
Rose, H.E. *see* Moore, G.S.M. 9—100161
Rose, H.J., Sinclair, D. A search for high-energy alpha particles from superheavy elements 9—59040
Rose, J.A. The dynamical nature of compact groups of galaxies 9—92870
Rose, J.A., Graham, J.A. Mass-to-light ratios of two compact groups of galaxies 9—92872
Rose, J.H., Krumhansl, J.A. Determination of flaw characteristics from ultrasonic scattering data 9—79188
Rose, J.H., Pfeiffer, R., Sander, L.M., Shore, H.B. Size effects in small electron-hole drops 9—82530
Rose, J.L., Thomas, G.H. The Fisher linear discriminant function for adhesive bond strength prediction 9—61808
Rose, J.L. *see* Raisch, J.W. 9—96253
Rose, J.L. *see* Rogovsky, A.J. 9—91871
Rose, J.W. Boundary-layer flow on a flat-plate 9—68677
Rose, J.W. Boundary-layer flow with transpiration on an isothermal flat plate 9—94613
Rose, K. *see* Parks, H.G. 9—69594
Rose, L.A., Pravdo, S.H., Kaluzienski, L.J., Marshall, F.E., Holt, S.S., Boldt, E.A., Rothschild, R.E., Serlemitsos, P.J. Observations of the transient X-ray source 4U 0115+63 9—92890
Rose, L.E. Motion of Phoebe (Saturn IX) 1904-1969 and a determination of Saturn's mass 9—88621
Rose, L.E. *see* Cook, A.M. 9—97132
Rose, P.H. *see* Kamins, T.I. 9—77622
Rose, R.P. An overview of the fusion hybrid concept 9—85787

Rose, R.P. *see* Varljen, T.C. 9—85788
Rose, T.L., Katayama, D.H., Welsh, J.A., Paulson, J.F. Photodissociation of vibrationally excited Ar_2^+ formed by associative ionization 9—68279
Rose, T.L. *see* Thomas, T.F. 9—86017
Rose-Innes, A.C. *see* Cottrell, G.A. 9—56305
Rose-Innes, A.C. *see* Lowell, J. 9—99664
Roseberry, M. *see* Shultis, J.K. 9—59274
Rosei, R., Lynch, D.W., Peterman, D.J. Thermoreflectance of single crystal Gd 9—69816
Rosei, R. *see* Weaver, J.H. 9—73930, 9—78005
Rosel, F. *see* Shyam, R. 9—54445
Roseler, J., Henneberger, K. Magnetopolaritons in wurtzite-type crystals 9—78019
Roseman, E.J. *see* Bezdek, R.H. 9—57450
Rosen, A., Baerends, E.J., Ellis, D.E. Molecular cluster calculations for the interpretation of CO chemisorption on a Ni (100) surface 9—51650
Rosen, A., Friedmann, P. The nonlinear behavior of elastic slender straight beams undergoing small strains and moderate rotations 9—64518
Rosen, A., Schmit, L.A., Jr. Design-oriented analysis of imperfect truss structures. I. Accurate analysis 9—90159
Rosen, A. *see* Grundevik, P. 9—63940
Rosen, A. *see* Gustavsson, M. 9—49971
Rosen, A. *see* Hartung, H. 9—72269
Rosen, B., Tesser, H. Automated calculation of parametric instabilities in fluid plasmas 9—50855
Rosen, D., Coughlin, J., Taylor, R.L. Measurement of vibrational energy exchange rates in the H_2/HCl molecular system 9—98145
Rosen, D.A. In defense of a probabilistic theory of causality 9—67138
Rosen, E. *see* Fredriksson, M. 9—83492
Rosen, E. *see* Paulsson, H. 9—60511
Rosen, G. Nonlinear heat conduction in solid H_2 9—69317
Rosen, G., Jakubowicz, O., Tatoian, V. Constrained Hamiltonian formulation for interaction fields: stable particlelike solutions 9—49065
Rosen, H. *see* Yasa, Z. 9—96493
Rosen, I.I. *see* Somers, J. 9—89564
Rosen, J. *see* Biel, J. 9—89309
Rosen, J. *see* Chaney, D. 9—89308
Rosen, J.C. *see* Gur, D. 9—59284
Rosen, J.M., Hofmann, D.J., Kaselau, K.H. Vertical profiles of condensation nuclei 9—79956
Rosen, J.M., Hofmann, D.J., Singh, S.P. A steady-state stratospheric aerosol model 9—53445
Rosen, M. *see* Baram, J.C. 9—83413
Rosen, M. *see* Klimker, H. 9—51834
Rosen, M. *see* Quintana, G. 9—82903
Rosen, M. *see* Stern, A. 9—77605
Rosen, M.D., Nuckolls, J.H. Exploding pusher performance. A theoretical model 9—82081
Rosen, N. Bimetric general relativity 9—67198
Rosen, N. Does gravitational radiation exist? 9—80482
Rosen, N., Rotbart, F. The field of a charge in the bimetric gravitation theory 9—88861
Rosen, R. Some comments on activation and inhibition 9—92118
Rosen, R. *see* Beaver, D.deB. 9—58522, 9—75317
Rosen, R. *see* deB. Beaver, D. 9—97178
Rosen, S.P. *see* Kayser, B. 9—89144
Rosenabum, R. *see* Williams, G.A. 9—86958
Rosenau, P. Three-dimensional flow with neutral points 9—64788
Rosenau, P., Tataronis, J.A., Conn, G. Elements of magnetohydrodynamics with the Hall current. I. Nonlinear phenomena 9—72988
Rosenau, P. *see* Metzler, N. 9—92643
Rosenbauer, H., Schwenn, R., Bame, S.J. The prediction of fast stream front arrivals at the Earth on the basis of solar wind measurements at smaller solar distances 9—58216
Rosenbauer, H. *see* Bame, S.J. 9—58197
Rosenbauer, H. *see* Gurnett, D.A. 9—80182
Rosenbaum, A.E., Arnold, B.A. Postero-anterior radiography: a method for reduction of eye dose 9—92388
Rosenbaum, J., Larson, E., Hoblitt, R., Fickett, F.R. A convenient standard for low-field susceptibility calibration 9—88989
Rosenbaum, M., Ryan, M.P., Jr., Shepley, L.C. Space-time homogeneous models with torsion 9—58607
Rosenbaum, R. *see* Abraham, D. 9—56378
Rosenbaum, R. *see* Polturak, E. 9—56013
Rosenbaum, R. *see* Williams, G.A. 9—60569
Rosenberg, A., Susskind, J. Theory of pure rotational transitions in doubly degenerate torsional states of ethane 9—72299
Rosenberg, A., Susskind, J. On nuclear spin statistics in rotational transition intensities in tetrahedral AB_4 molecules 9—93969
Rosenberg, A.E. *see* Levinson, S.E. 9—64420
Rosenberg, A.E. *see* Rabiner, L.R. 9—86303
Rosenberg, E.I. *see* Anderson, K.J. 9—67612
Rosenberg, E.I. *see* Branson, J.G. 9—89211
Rosenberg, E.I. *see* Hogan, G.E. 9—63552
Rosenberg, E.I. *see* Newman, C.B. 9—63553
Rosenberg, G. Extension of the application of the shorted quartz gauge 9—58680
Rosenberg, G. *see* Phillips, W.M. 9—84016
Rosenberg, H.M. *see* Kelham, S. 9—65215
Rosenberg, H.M. *see* Pinheiro, M. de F.F. 9—60528
Rosenberg, I. *see* Awschalom, M. 9—79628
Rosenberg, L. Generalized low-frequency approximation for scattering in a laser field. II 9—92996
Rosenberg, L. Coulomb scattering in a laser field 9—94084
Rosenberg, L. *see* Aronson, I. 9—72375
Rosenberg, L. *see* Kelsey, E.J. 9—58590
Rosenberg, L.C. The economics of solar heating and cooling: a cautious view 9—57451
Rosenberg, R.A. *see* Thornton, G. 9—86009
Rosenberg, R.L., Coldren, L.A. Scattering analysis and design of SAW resonator filters 9—68492
Rosenberg, R.L. *see* Coldren, L.A. 9—55283
Rosenberg, R.M. *see* Horowitz, S.J. 9—71436
Rosenberger, D. Microoptic passive devices for multimode optical fiber communication systems 9—72700
Rosenberger, F., Olson, J.M., Delong, M.C. A gas handling system for exacting crystal growth preparations 9—91593
Rosenberger, F. *see* Abernathey, J.R. 9—78859
Rosenberger, F. *see* Olson, J.M. 9—72880, 9—77072
Rosenberry, T.L. Quantitative simulation of endplate currents at neuromuscular junctions based on the reaction of acetylcholine with acetylcholine receptor and acetylcholinesterase 9—62230
Rosenblat, S., Davis, H. Bifurcation from infinity 9—98806
Rosenblat, S. *see* Secomb, T.W. 9—94682
Rosenblatt, C., Pindak, R., Clark, N.A., Meyer, R.B. Freely suspended ferroelectric liquid-crystal films: absolute measurements of polarization, elastic constants, and viscosities 9—55663
Rosenblatt, J. *see* Feyral, P. 9—56434
Rosenblatt, M. *see* Helland, K.N. 9—64641
Rosenblum, S. *see* Abbott, S. 9—76229
Rosenbluth, M.N. *see* Catto, P.J. 9—77365
Rosenbluth, M.N. *see* Rechester, A.B. 9—60183
Rosencher, E., Straboni, A., Rigo, S., Amsel, G. An ^{18}O study of the thermal oxidation of silicon in oxygen 9—52400
Rosendaal, H.D. *see* Agena, M. 9—54675
Rosendaal, H.-D. *see* Goldberg, M.B. 9—76313
Rosendahl, B.R. *see* Schrader, E.L. 9—79810
Rosene, D.L. *see* Vogt, B.A. 9—66468
Rosenfeld, A., Mory, S., Konig, R. Observation of the opto-galvanic effect in neon and argon using a nanosecond dye laser 9—98013
Rosenfeld, A. *see* Mory, S. 9—59720
Rosenfeld, A.H. *see* Graven, R.M. 9—57456
Rosenfeld, R.N., Jasinski, J.M., Brauman, J.I. Infrared multiphoton electron detachment from the benzyl anion 9—94043
Rosenfeld, Y., Ashcroft, N.W. A new theory of simple classicial fluids 9—99051
Rosenfelder, R. Semileptonic weak and electromagnetic interactions in nuclei: recoil polarization in muon capture 9—75978
Rosenfeldt, H. *see* Schier, H. 9—72678
Rosenfield, A.R. *see* Duckworth, W.H. 9—96233
Rosenfield, A.T. *see* Taylor, K.J.W. 9—92311
Rosengarten, M. *see* Azancot, I. 9—70634
Rosengren, A. *see* Grinstein, G. 9—54041
Rosenhamer, H.J., Lindstrom, B., Lundborg, T. On the use of click-evoked electric brainstem responses in audiological diagnosis. I. The variability of the normal response 9—92237
Rosenheck, K., Brith-Lindner, M., Lindner, P., Zakaria, A., Caplan, S.R. Proteolysis and flash photolysis of bacteriorhodopsin in purple membrane fragments 9—62185
Rosenhouse, G. *see* Kim, H.C. 9—100167
Rosenkilde, C.E. *see* Spangler, J.D. 9—84388
Rosenkrantz, M.E. *see* Konowalow, D.D. 9—76362, 9—97997, 9—98175
Rosenkranz, H. *see* Puhringer, K.D. 9—49363
Rosenkranz, P.W. *see* Grody, N.C. 9—100906
Rosenman, I. *see* Batallan, F. 9—95310
Rosenmann, E. *see* Maayan, Ch. 9—79679
Rosenmann, E. *see* Zajicek, G. 9—70712
Rosenson, L. *see* Becker, U. 9—59059
Rosenson, L. *see* Cutts, D. 9—85346
Rosensteel, G. *see* Rowe, D.J. 9—49589
Rosenstock, H.B. Absorption measurements by laser calorimetry 9—55308
Rosental, A., Itaya, Y., Suematsu, Y. Measurement of Zn doping level in InGaAsP/InP DH lasers 9—98373
Rosenthal, A.S., Tabakin, F. Annihilation nonlocality effects in the pion optical potential 9—85550
Rosenthal, C.M., Haracz, R.D. Optimum two-body scattering T matrix elements on and off the energy shell for various potentials 9—67177
Rosenthal, I., Peretz, P., Muszkat, K.A. Thermochromic and hyperchromic effects in rhodamine B solutions 9—91977
Rosenthal, S.J. *see* Wright, C.H. 9—53198
Rosenwaks, S. Population inversion in copper resulting from reactions of Cu atoms with oxidants 9—79255
Rosenwaks, S. *see* Azoulay, E. 9—86172
Rosenwaks, S. *see* Rothem, A. 9—94251
Rosenwald, R.D. *see* Hill, H.A. 9—89857
Rosenzweig, N. *see* Tavel, J.F. 9—99470
Roser, H. *see* Schmelzbach, P.A. 9—71830
Roser, S. *see* Morfill, G. 9—58401
Roser, S. *see* Volk, H.J. 9—58402
Rosevear, J.W. *see* Ackerman, E. 9—84046
Roshal', R.M. *see* Zargarova, M.I. 9—52190
Roshchin, S.N. *see* Georgiev, M.N. 9—52375
Roshchina, G.P. *see* Sverdan, P.L. 9—91459
Roshchina, T.V. *see* Kardonskii, V.M. 9—78966, 9—100142
Roshchupkin, A.M., Miloshenko, V.E., Kalinin, V.E. Effect of electrons on the motion of dislocations in metals 9—65260
Roshchupkin, D.I. *see* Chetverikov, A.G. 9—53031
Roshchupkin, V.V. *see* Novikov, I.I. 9—51282
Roshd, M.H.M., Chow, H.C. PEAKAN—an integral transport code for the analysis of flux peaking 9—59135
Roshko, R.M., Williams, G. Anomalous temperature dependence associated with conduction electron scattering from isolated Cr impurities in Pd and Pt 9—73491
Roshko, R.M., Williams, G. Anomalous resistivity associated with conduction-electron scattering from Cr impurities in Pt 9—99530
Roshon, D.D. Electroplated diamond-composite coatings for abrasive wear resistance 9—61737
Rosich, R.K. *see* Liebe, H.J. 9—58075
Rosina, M. *see* Erdahl, R.M. 9—88870
Rosinger, H.E., Bera, P.C., Clendening, W.R. Steady-state creep of zircaloy-4 fuel cladding from 940 to 1873K 9—74206
Rosini, E. *see* Federer, B. 9—84542
Rosino, L. Supernova in NGC 4321 9—71061
Rosinski, J. *see* Cooper, G. 9—58114
Rosinski, K. *see* Malik, J. 9—76392
Rosinski, K. *see* Sieradzan, A. 9—59403
Rosinskii, S.E. *see* Al'terkop, B.A. 9—55519
Roskies, R. *see* Bender, C.M. 9—89063
Roskies, R.Z. *see* Castillejo, L. 9—58879
Roskovec, V. *see* Kratochvilova, E. 9—95586
Roslyi, E.I. *see* Vakulovskii, S.M. 9—74560
Rosmalen, R.Janssen-van *see* Janssen-van Rosmalen, R.
Rosmus, P. *see* Semkow, A.M. 9—85890
Rosner, B. *see* Nir, D. 9—93894
Rosner, C.H. Cryogenics worldwide—USA. Superconductivity at Intermagnetics General 9—58699
Rosner, G. *see* Natowitz, J.B. 9—93647
Rosner, J. *see* Leung, C.N. 9—92974
Rosner, J.L. Charmed particle lifetimes 9—67544
Rosner, J.L., Wilson, W.J. Inequalities for rates and polarizations in semileptonic decays 9—89147
Rosner, J.L. *see* Quigg, C. 9—49516
Rosner, P. *see* Boning, K. 9—91029
Rosner, P. *see* Nakagawa, M. 9—60355
Rosner, R., Hartquist, T.W. 'Coronae' of rotating interstellar clouds 9—92837
Rosner, R. *see* Hartmann, L. 9—71039
Rosner, R. *see* Layzer, D. 9—53783
Rosola, I.I. *see* Khiminets, O.V. 9—65857
Rosolowski, J.H. *see* Arendt, R.H. 9—78920
Ross, A.M. *see* Paul, R.N. 9—89486
Ross, B. *see* Seitzer, P. 9—75220
Ross, D.A. *see* Floratos, E.G. 9—67501
Ross, D.A. *see* Goldman, T.J. 9—71749
Ross, D.G. On integral-method solutions for modelling swirling jets and plumes 9—60040
Ross, D.K., Wilson, D.L.T. The use of Monte Carlo calculations in the prediction of quasi-elastic neutron scattering from atoms diffusing in periodic lattices 9—60557
Ross, D.K. *see* Anderson, I.S. 9—60551
Ross, D.L. *see* Matey, J.R. 9—83437
Ross, D.W. Variational calculation of drift wave eigenvalues 9—68920
Ross, D.W. *see* Mahajan, S.M. 9—60129
Ross, D.W. *see* Strauss, H.R. 9—60135
Ross, G., Fiddy, M.A. Reply to final comment on the theory of speckle by H.M. Pedersen 9—50227
Ross, G., Fiddy, M.A., Nieto-Vesperinas, M., Manolitsakis, I. The propagation and encoding of information in the scattered field by complex zeros 9—50238
Ross, G.G., Weiler, T. Is there a new neutral current? 9—58920
Ross, G.G. *see* Ellis, R.K. 9—58927
Ross, G.Y. *see* Goldstein, L.S. 9—62309
Ross, J., Ross, R.G. Phase diagrams and structures under pressure. An index of substances 9—60484
Ross, J. *see* Burr, D.C. 9—74675
Ross, J. *see* Collins, M.A. 9—73282
Ross, J. *see* Currie, J.F. 9—73890
Ross, J. *see* Gutkowicz-Krusin, D. 9—90225, 9—90226
Ross, J. *see* Procaccia, I. 9—58623, 9—79280
Ross, J. *see* Vila, C.L. 9—61855, 9—87835
Ross, J.E., O'Mara, B.J. The measurement of f-values for lines of astrophysical interest by beam-foil spectroscopy 9—50168
Ross, J.J. *see* McMillan, D.E. 9—89541
Ross, M. A high-density fluid-perturbation theory based on an inverse 12th-power hard-sphere reference system 9—99042

Ross, M. *(editor)* Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol.150. Laser and Fiber Optics Communications 9—86203
Ross, P.M. *see* Cosslett, V.E. 9—97475
Ross, P.N., Jr. Structure sensitivity in the electrocatalytic properties of Pt. I. Hydrogen adsorption on low index single crystals and the role of steps 9—70342
Ross, P.N., Jr. Structure sensitivity in electrocatalytic properties of Pt. II. Oxygen reduction on low index single crystals and the role of steps 9—70343
Ross, R. *see* Piccolo, M. 9—93439
Ross, R.G., Andersson, P., Backstrom, G. Thermal conductivity and heat capacity of benzene, naphthalene and anthracene under pressure 9—90796
Ross, R.G., Andersson, P., Backstrom, G. Thermal conductivity and heat capacity of solid phases of benzene under pressure 9—90839
Ross, R.G. *see* Ross, J. 9—60484
Ross, R.N., Price, D.C., Williams, G. Spontaneous magnetoresistance anisotropy and deviations from Matthiessen's rule induced by 5s, p impurities in Fe 9—51553
Ross, R.R. *see* Green, M.A. 9—54219
Ross, R.R. *see* Rapidis, P.A. 9—75780
Ross, R.T. *see* Ammosov, V. 9—71737
Ross, R.T. *see* Berge, J.P. 9—71741
Ross, R.T. *see* Efremenko, V.I. 9—75763
Ross, U. *see* Beck, D. 9—86047
Ross, U. *see* Eastes, W. 9—68300
Ross, W.A. Characteristics of high-level radioactive waste glasses 9—63779
Ross, W.R.D. *see* Gross, D. 9—88069
Rossar, V.G. The clock hypothesis and the Lorentz transformations 9—58537
Rossard, C. *see* LeBon, A. 9—61632
Rossat-Mignod, J., Burlet, P., Vogt, O., Lander, G.H. Magnetisation and neutron scattering studies of multiaxial magnetic ordering in $USb_{0.9}Te_{0.1}$ 9—51750
Rossat-Mignod, J. *see* Boucher, J.P. 9—91244
Rossat-Mignod, J. *see* Burlet, P. 9—99678
Rossat-Mignod, J. *see* Regnault, L.P. 9—61151
Rossbach, H. The sound system in Super 8 cinecameras 9—80707
Rossbach, J. *see* von Hartrott, M. 9—73849
Rossby, H.T. *see* Mcdowell, S.E. 9—74902
Rossby, H.T. *see* Riser, S.C. 9—74894
Rossby, H.T. *see* Shaw, P.T. 9—74963
Rossel, P., Guegan, G., Martinot, H. High frequency properties of the short channel MOST: Analysis of the channel behaviour 9—78196
Rossell, H.J. Fluorite-related phases Ln_3MO_7, Ln=rare-earth, Y or Sc, M=Nb, Sb or Ta. III. Structure of the non-stoichiometric Y_3TaO_7 phase 9—55716
Rossell B, M.A. *see* Pena Bernal, J.J. 9—97163
Rossen, P.von *see* von Rossen, P.
Rossen, P.Von *see* Von Rossen, P.
Rosser, W.G.V. *see* Adcock, C.C.F. 9—53305
Rosset, R. *see* Fravalo, C. 9—53489, 9—84402
Rosset, R. *see* Le Dimet, F.X. 9—84401
Rosset, R. *see* Le Dimet, F.-X. 9—53487
Rosset, R. *see* Pastre, J. 9—84409, 9—84410
Rossetti, R., Brus, L.E. Ground and n-π^* excited state structures of the hydrogen bonded complexes pyrazine.H_2O and pyrazine.$(H_2O)_2$ 9—68241
Rossetti, R. *see* Baca, A. 9—81228
Rossi, A., Kochanski, E., Veillard, A. The metal rare-gas interaction. The dispersion energy of $Mo(CO)_4Kr$ 9—98241
Rossi, A.R., Jordan, K.D. Comment on the structure and stability of $(CO_2)_2^-$ 9—63912
Rossi, A.R. *see* Bent, G.D. 9—95363
Rossi, A.R. *see* Garcia, R. 9—81160
Rossi, F.B. *see* Frigieri, P.F. 9—79321
Rossi, H.H. *see* Beebe, G.W. 9—70589
Rossi, H.H. *see* Hall, E.J. 9—62306
Rossi, H.H. *see* Kliauga, P.J. 9—62305
Rossi, H.H. *see* Mole, R.H. 9—70588
Rossi, H.H. *see* Rohrig, N. 9—53196
Rossi, L. Theoretical B-V color indices and bolometric corrections for hot horizontal branch stars 9—58327
Rossi, L. A fast clustering processor for multiwire proportional chamber read out 9—63878
Rossi, L. A fast clustering processor for multiwire proportional chamber read out 9—76304
Rossi, L. *see* Ottonello, P. 9—80671
Rossi, M., Barker, J.R., Golden, D.M. Infrared multiphoton dissociation yields via a versatile new technique: intensity, fluence, and wavelength dependence for CF_3I 9—100406
Rossi, P. *see* Barone, L.M. 9—80835
Rossi, R.M. *see* Todd, P. 9—62307
Rossi, R.P., Wesenberg, R.L., Hendee, W.R. A variable aperture fluoroscopic unit for reduced patient exposure 9—92368
Rossi, U. *see* DiVita, P. 9—76827
Rossi, V. *see* Barone, L.M. 9—80835
Rossi, V. *see* Bossart, R. 9—72143
Rossi-Mori, A. *see* Ubertini, P. 9—62716
Rossignol, M.F. *see* Barbara, B. 9—78331, 9—87291
Rossikhin, V.V. *see* Belyi, Ya.I. 9—69016
Rossiter, K.O. *see* Cram, L.A. 9—76649
Rossiter, P.L. Long-range order and the electrical resistivity 9—60781
Rossle, E. *see* Fischer, Th. 9—75782
Rossle, E. *see* Hartwig, S. 9—49621
Rossle, E. *see* Hurster, W. 9—67571
Rossle, E. *see* Kleinschmidt, M. 9—75785
Rossle, R. *see* Hurster, W. 9—75784
Rossler, K. *see* Westmeier, W. 9—93736
Rossler, M. *see* Berger, C. 9—49519
Rossler, O.E. An equation for hyperchaos 9—63151
Rossler, O.E., Kahlert, C. Winfree meandering in a 2-dimensional 2-variable excitable medium 9—58660
Rossler, U. *see* Chandrasekhar, M. 9—95788
Rossler, U. *see* Humphreys, R.G. 9—95805
Rossler, U. *see* Ranvaud, R. 9—99481
Rossler, U. *see* Trebin, H.-R. 9—60706, 9—99480
Rossman, G.R. *see* Goldman, D.S. 9—69863
Rossman, L.A. Comment on 'The efficiency and equity of cost allocation methods for multipurpose water projects' by James C. Loughlin [and reply] 9—88017
Rossmanith, H.P., Glenn, L.A., Jaun, H. Crack propagation in rock plates loaded by projectile impact [and reply] 9—83296
Rossmanith, R. *see* Bothe, W. 9—68000
Rossmanith, R. *see* Dehne, H.C. 9—63839
Rossmann, M.G. Processing oscillation diffraction data for very large unit cells with an automatic convolution technique and profile fitting 9—50929
Rossmassler, J.E. *see* Stooksberry, R.W. 9—93849
Rossnagel, S.M., Dylla, H.F., Cohen, S.A. AES study of the adsorption of O_2, CO, CO_2, and H_2O on indium 9—82451
Rossnagel, S.M. *see* Dylla, H.F. 9—80631
Rosso, G. *see* Baldo, M. 9—67761
Rosso, J.-C. *see* Guieu, R. 9—51236
Rosso, M. 100 GHz electron spin resonance study of the impurity band in heavily doped silicon 9—95631
Rossoshanski, O.A. *see* Logvinenko, S.P. 9—58687
Rossouw, C.J., Whelan, M.J. The K-shell cross-section for 80 kV electrons in single-crystal graphite and AlN 9—55798
Rossouw, C.J., Whelan, M.J. Microanalysis of light elements by K-shell excitation using electron energy loss spectrometry (EELS) 9—74480
Rossov, V.V. *see* Repetin, L.N. 9—100863
Rossum, L.van *see* van Rossum, L.
Rossum, L.Van *see* Van Rossum, L.
Rossum, M.Van *see* Van Rossum, M.
Rost, A., Nicolaisen, B. Prevision test installation for the determination of the propagation velocity and attenuation of ultrasonic waves through solids. II 9—50549
Rost, E. *see* Gyles, W. 9—85534
Rost, E. *see* Johnson, R.R. 9—97653
Rost, H. *see* Arends, J. 9—75971
Rost, K.A. *see* Hertel, I.V. 9—89750
Rosta, L. *see* Chernoplekov, N.A. 9—51223
Rostad, O.H. Changing concepts approaches and techniques in mineral exploration 9—100979
Rostagni, G. *see* Hancox, R. 9—71976
Rostaing, P. *see* Bindi, R. 9—99993
Rostock, J.Einfeldt *see* Einfeldt Rostock, J.
Rostoker, G. Electric and magnetic fields in the ionosphere and magnetosphere 9—66870
Rostoker, G. Energetic particle precipitation into the high-latitude ionosphere and the auroral electrojets. II. Eastward electrojet and field-aligned current flow at the dusk meridian 9—80076
Rostoker, G., Hughes, T.J. A comprehensive model current system for high-latitude magnetic activity. II. The substorm component 9—92640
Rostoker, G., Olson, J.V. Pi 2 micropulsations as indicators of substorm onsets and intensifications 9—88552
Rostoker, G. *see* Hughes, T.J. 9—58164, 9—92636
Rostoker, G. *see* Kawasaki, K. 9—75009
Rostoker, G. *see* Kisabeth, J.L. 9—66859
Rostoker, G. *see* Winningham, J.D. 9—75026
Rostoker, N. Current status of collective accelerators 9—76161
Rostoker, N. *see* Mako, F. 9—76169
Rostoker, N. *see* Peter, W. 9—90439
Rostoker, N. *see* Tzach, D. 9—73018
Rostoker, W., Galante, J.O. Materials for human implantation 9—96709
Rostomyan, A.G. *see* Egiazaryan, A.M. 9—93266
Rostovskaya, E.A. *see* Prigunova, A.G. 9—73091
Rostron, A.J. The correlation between molecular structure and tendency to maintain or to destroy iron passivity in aqueous solutions. I. The electrostatic hypothesis 9—91831
Rostworowski, J.A. *see* Parsons, R.R. 9—73995
Rotanova, N.M. *see* Dmitriyev, V.I. 9—53300
Rotarescu, Gh. *see* Padureanu, I. 9—60262
Rotbard, G. *see* Bernas, M. 9—67661
Rotbard, G. *see* Vergnes, M.N. 9—54392
Rotbard, R. *see* Lebrun, C. 9—54390
Rotbart, F. A charge of finite size in the bimetric gravitation theory 9—88862
Rotbart, F. *see* Rosen, N. 9—88861
Rotelli, P. *see* D'Innocenzo, A. 9—63453, 9—75802
Rotem, A., Altus, E. Fracture modes and acoustic emission of composite materials 9—57187
Rotenberg, V.A. *see* Onatskii, Yu.M. 9—70257
Rotermund, U. *see* Fritsch, P. 9—57229
Roth, C. *see* Rubin, H. 9—77239
Roth, D.G. *see* Martin, J.F. 9—89167
Roth, E.A. On the higher-order stroboscopic method 9—66913
Roth, E.P., Anderson, A.C. Phonon scattering at a low-angle grain boundary in silicon 9—77708
Roth, E.P., Anderson, A.C. Interaction between thermal phonons and dislocations in LiF 9—95226
Roth, F. *see* Brandelik, R. 9—63491, 9—93441
Roth, G., Himstedt, W. Response characteristics of neurons in the tectum opticum of Salamandra 9—53092
Roth, H. *see* Christiansson, J.E. 9—49599
Roth, H.D., Schilling, M.L.M., Hutton, R.S. Dependence of nuclear spin polarization intensities on the plane of polarization of the exciting light. A caveat 9—89688
Roth, J. *see* Harrison, L.C. 9—88164
Roth, J. *see* Risch, M.R. 9—73226
Roth, J. *see* Staudenmaier, G. 9—98983
Roth, J.A. *see* Hess, L.D. 9—69373
Roth, J.A. *see* Jelatis, G.J. 9—60570
Roth, J.A. *see* Leith, E.N. 9—98295
Roth, J.R., Alexeff, I., Mallavarpu, R. New mechanism for electromagnetic emission near the geometric mean plasma frequency 9—82066
Roth, J.R. *see* Kim, Y.C. 9—72987
Roth, L., Purushothaman, S., Tien, J.K., Wells, J.M. A discussion of cryogenic creep using a back stress model 9—99265
Roth, M., Echevarria, J., Franco, J., Warman, J. Visual and infrared observations of Trapezium-like objects 9—92805
Roth, M., Halperin, A. The A-emission of Kbr:Tl 9—83011
Roth, M. *see* Bellissent-Funel, M.-C. 9—64982
Roth, M. *see* Lefebvre, S. 9—96044
Roth, R. Propagator in a theory with confinement 9—71689
Roth, R.L. *see* Spencer, B.W. 9—85671
Roth, R.S. *see* Cava, R.J. 9—99148
Roth, R.S. *see* Fallon, G.D. 9—60325
Roth, R.S. *see* Santoro, A. 9—55706
Roth, S., Freund, I. Second harmonic generation in collagen 9—53046
Roth, S., Wurzinger, A., Purwins, H.-G. Sound velocity of $CeAl_2$ in high magnetic fields 9—78500
Roth, S.A. *see* Drummond, W.S. 9—49258
Roth, S.A. *see* Fallon, G.D. 9—60325
Roth, W. Progress in infra-red night vision using new components 9—49287
Roth, W.T. *see* Pfefferbaum, A. 9—79500
Rothbart, G.B., Sheppard, J.C., Piestrup, M.A., Powell, R.A., Pantell, R.H., Gearhart, G.A. Construction of a Cerenkov light source 9—59784
Rothe, B. *see* Best, K.J. 9—71486
Rothe, B. *see* Best, K.-J. 9—58746
Rothe, D.E., West, J.B., Bhaumik, M.L. Efficient E-beam excitation of XeCl 9—59678
Rothe, H.J., Rothe, K.D., Swieca, J.A. Screening versus confinement 9—71715
Rothe, K.D., Swieca, J.A. Path-integral representation for tunneling amplitudes in the Schwinger model 9—49364
Rothe, K.D. *see* Belvedere, L.V. 9—71605
Rothe, K.D. *see* Rothe, H.J. 9—71715
Rothe, P.H., Johnston, J.P. Free shear layer behavior in rotating systems 9—77137
Rothe, R.E., Oh, I. Benchmark critical experiments: high-enriched uranium solution 9—63748
Rothem, A., Rosenwaks, S. A simple, high-power, TEA laser operating in the UV, visible and IR 9—94251
Rothemund, W., Fritzsche, C.R. Critical implantation temperature and annealing of indium phosphide 9—90691
Rothen, F. *see* Dubois-Violette, E. 9—99058
Rother, H. *see* Bresseleers, C. 9—57161
Rother, H.-P. *see* Chestnut, R. 9—89533
Rothert, H. Large elastic deformations of shell structures 9—98611
Rothert, H., Zastrau, B. On the estimation of load carrying characteristics for translational shells from positive to negative Gaussian curvature 9—68567
Rothert, H., Zastrau, B. Parametric studies related to the bending of flat shells 9—86365
Rothfus, R.R. *see* Dighe, S.V. 9—61959
Rothhard, L. *see* Krasa, J. 9—55497
Rothman, A.B. *see* Koopman, R.N. 9—49764
Rothman, A.B. *see* Page, R.J. 9—49763, 9—93755
Rothman, L.B. *see* Schwartz, G.C. 9—91816
Rothman, L.S. High-resolution atmospheric transmittance and radiance: HITRAN and the data compilation 9—66795
Rothmuller, I.J. Real-time propagation assessment 9—58170
Rothrock, R.A., Kazimi, M.S. On the potential for plugged core pressurization following a hypothetical accident in an LMFBR 9—76084

Rothrock, R.B. Calculation of resonant reaction rates near region interfaces in the FTR 9—80993
Rothschild, B.L. *see* Kleitman, D.J. 9—63158
Rothschild, R., Boldt, E., Holt, S., Serlemitsos, P., Garmire, G., Agrawal, P., Riegler, G., Bowyer, S., Lampton, M. The Cosmic X-ray experiment aboard HEAO-1 9—58248
Rothschild, R.E. *see* Rose, L.A. 9—92890
Rothstein, H.L. Considerations in sizing spent-fuel pools 9—67915
Rothstein, J.A. *see* Guttman, L. 9—95071
Rothstein, S. *see* Pettit, P.J. 9—93819
Rothwarf, A. *see* Dalal, V.L. 9—83597
Rothwarf, F. *see* Bergner, R.L. 9—82824, 9—82825
Rothwell, G.P. Measuring corrosion as it happens 9—83404
Rothwell, H.L., Jr., Amme, R.C., Van Zyl, B. Ultraviolet radiation produced in low-energy Ar+Ar and Kr+Kr collisions 9—50125
Rotin, V.A. *see* Gel'man, B.G. 9—66948
Rotonda, L.La *see* La Rotonda, L.
Rotondi, E., Serra, A., Simonelli, C. Self-checking of count losses on pulse measuring systems 9—63879
Rots, M. *see* Ooms, H. 9—63587
Rott, N., Monkewitz, P.A. The excitation of radial resonances in a gas-filled tube 9—98808
Rotter, H. *see* Beitin, M.R. 9—75838
Rotter, I. *see* Kampfer, B. 9—58997
Rotter, M. *see* Chapellier, M. 9—56003
Rotter, M. *see* Chiba, M. 9—65757
Rottersman, M.H., Bill, M.J. Properties of planar-magnetron-sputtered tantalum films 9—82474
Rottger, H., Tas, A., van der Werve, H., von der Hardt, P., Voorbraak, W.P. High flux materials testing reactor HFR Petten. Characteristics of facilities and standard irradiation devices 9—63749
Rottger, J. VHF radar observations of a frontal passage 9—53482
Rottger, J. Modelling the diurnal and seasonal variation of medium-scale travelling ionospheric disturbances 9—58181
Rottger, J., Rastogi, P.K., Woodman, R.F. High-resolution VHF radar observations of turbulence structures in the mesophere 9—100895
Rottigni, G.A. Fixed-focal-axis solar concentrators with a curvature determined by gravity 9—74495
Rottman, C., van Zytveld, J.B. Electronic properties of high-purity liquid calcium and strontium 9—99524
Rotty, R.M. Uncertainties associated with effects of global atmospheric CO_2 9—88028
Rotty, R.M. *see* Rust, B.W. 9—84381
Rotunno, R. A study in tornado-like vortex dynamics 9—86440
Rotunno, R. *see* Port, R.F. 9—96582
Rotzoll, G., Lubbert, A. Analysis of experimental total differential scattering data of nonspherical molecules with anisotropic potentials. Application to Ar-CO_2 9—98194
Rouan, D. *see* Courtin, R. 9—75151
Rouanet, A. *see* Arashi, H. 9—70049
Roubeau, P., Roinel, Y., Bouffard, V., Avenel, O. A He-3 dilution refrigerator for neutron diffraction study of nuclear antiferromagnetic order 9—58701
Roubeau, P. *see* Glattli, H. 9—75982
Rouby, D. *see* Malaprade, G. 9—57056
Rouchaud, J.-C. *see* Revel, G. 9—52138
Rouet, A. Non-Abelian gauge theories in a background field 9—75689
Roufosse, M.C. Influence of natural radioactivity on creep rate 9—92520
Rougemont, J.de *see* de Rougemont, J.
Rouger, M. *see* Bauer, T.S. 9—54394
Rougeul, A., Bouyer, J.J., Dedet, L., Debray, O. Fast somato-parietal rhythms during combined focal attention and immobility in baboon and squirrel monkey 9—83729
Rouhani, M.D. *see* Alaee, M.S. 9—78875
Roulet, B. *see* Abraham-Ibrahim, S. 9—95900
Roulet, C., Albouy, G., Auger, G., Lagrange, J.M., Pautrat, M., Rensfelt, K.G., Richel, H., Sergolle, H., Vanhorenbeeck, J. Properties of ^{192,190}Pb: behaviour of the very neutron-deficient even lead isotopes 9—75854
Roulet, C. *see* Hubert, P. 9—63577
Roulet, C.P. *see* Korner, H.J. 9—89221
Roulet, M.E., Schwob, P., Affolter, K., Luthy, W., von Allmen, M., Fallavier, M., Mackowski, J.M., Nicolet, M.A., Thomas, J.P. Laser annealing of silicon on sapphire 9—99989
Roulet, M.E. *see* Rudolf, F. 9—99372
Roumengous, C. *see* Aranovitch, E. 9—57457
Roundy, C.B. Pyroelectric self-scanning infrared detector arrays 9—58785
Rountree Lesh, J. *see* Heinsheimer, T.F. 9—101091
Rouquerol, F. *see* Grillet, Y. 9—77896
Rouquerol, J. *see* Grillet, Y. 9—77896
Rourke, M.D., Jones, V.L., Friedrich, H.R. Strain-induced excess loss in coated waveguides 9—50418
Rouse, G.B., Gordon, J.M., Risen, W.M., Jr. The mixed alkali effect. Theoretical considerations 9—77525
Rouse, G.B., Risen, W.M., Jr., Tsatsas, A.T., Eisenberg, A. Far-infrared studies of ion clustering in ionomers 9—87436
Rouse, J.L. *see* Anwar Chaudri, M. 9—57311
Rouse, J.L. *see* Chaudhri, M.A. 9—57755
Rousille, L., Robert, J. Liquid crystal quasihomeotropic orientation induced by a polymer deposited on a SiO surface 9—90525
Rousseau, A. *see* Malzac, J. 9—74829
Rousseau, J. *see* Bertolini, J.C. 9—73404
Rousseau, M. A new model for the phase transitions due to octahedra rotations in the perovskite structure 9—99103
Rousseau, M. *see* Fourquet, J.-L. 9—95209
Roussel, J., Le Grand, J.J., Hajjar, V. A multiscale system for the analysis of rapid events 9—63882
Roussel, L. *see* Legrain, R. 9—85499
Roussel, P. *see* Bernas, M. 9—67661
Rousset, Y. *see* Laporte, J.L. 9—61427
Roussier, L. *see* Aknin, J.P. 9—68001
Roussille, R. *see* Pinston, J.A. 9—63590
Roussin, R.W. *see* West, J.T. 9—59281
Roussy, G., Barriol, J. Approximate kinetic relation describing diffusion during non isothermal desorption 9—90864
Roussy, G. *see* Bouchy, A. 9—98078
Roustan, J., Dugay, M. Refined AMOS for some organic semiconductors 9—65353
Rout, R.K., Fortunato, B., Divakaruni, S.M. Simulation of solar powered Rankine cycle systems 9—52911
Routbort, J.L., Voglewedge, J.C., Wilkinson, D.S. Final-stage densification of mixed oxide fuels 9—49681
Routbort, J.L. *see* Singh, R.N. 9—79080
Routledge, D. *see* Kasper, B.L. 9—75110
Rouvaen, J.M., Ghazaleh, M.G., Bridoux, E., Torguet, R. On a general treatment of acousto-optic interactions in linear anisotropic crystals 9—99850
Rouvaen, J.M. *see* Delannoy, B. 9—81638
Rouvaen, J.M. *see* Nongaillard, B. 9—76922
Rouvier, P. *see* Le Meur, R. 9—97857
Rouvray, D.H. *see* Gutman, I. 9—49928
Roux, H.le *see* le Roux, H.
Roux, J. *see* Hosten, B. 9—72760
Roux, J.A. *see* Scott, H.E. 9—97437
Roux, P.R.le *see* le Roux, P.R.
Roux-Buisson, H. *see* Coey, J.M.D. 9—78376
Rouxel, J., Trichet, L., Chevalier, P., Colombet, P., Ghaloun, O.A. Preparation and structure of alkali metal intercalation compounds 9—99156
Rouxel, J. *see* Colombet, P. 9—69095, 9—91314
Rouxel, J. *see* Meerschaut, A. 9—51086, 9—90599
Rouxel, J. *see* Venien, J.P. 9—95402
Rouxel, M. *see* Dubet, D. 9—58253
Rouzeyre, M. *see* Grill, C. 9—78036
Rouzo, H.Le *see* Le Rouzo, H.
Rovai, D. *see* Balocchi, R. 9—70635
Rovan, E. *see* Pfaller, W. 9—70724
Rovea, S. *see* Savard, J.-Y. 9—72544
Rovera, G., Leschiutta, S., Busca, G., Strumia, F. Parameters affecting the stability of an optically pumped cesium frequency standard 9—54104
Rovere, M., Parrinello, M., Tosi, M.P., Giaquinta, P.V. Small-angle scattering from molten salts 9—60258
Rovere, M., Parrinello, M., Tosi, M.P., Miniero, R. Gas-liquid transition in charged fluids 9—82327
Rovetta, A. On biomechanics of human hand motion in grasping: a mechanical model 9—57694
Rovinskii, A.P. *see* Sysoev, B.I. 9—56322
Rovinskii, F.Ya. *see* Vakulovskii, S.M. 9—74560
Rovinskii, R.E. *see* Vas'kovskii, Yu.M. 9—60165
Rovsing, H. *see* Belal, A. 9—62332
Rowan, R., III *see* Rama Krishna, N. 9—83692
Rowan, R.G. *see* Hess, D.W. 9—61212
Rowbotham, T.R. On the solution of fields by random walks 9—53991
Rowbottom, M.D. The effect of an added mass on the galloping of an overhead line 9—81777
Rowcliffe, A.F. *see* Lee, E.H. 9—78972
Rowcliffe, D.J. *see* Henshall, J.L. 9—61701
Rowe, D.J., Rosensteel, G. Geometric derivation of the kinetic energy in collective models 9—49589
Rowe, D.J. *see* Giraud, B.G. 9—54396
Rowe, E.C., Schilling, J.-G. Fluorine in Iceland and Reykjanes Ridge basalts 9—57900
Rowe, E.G.P. Green's functions in space and time 9—58474
Rowe, E.G.P. Angular momentum radiated by classical point particles 9—97220
Rowe, G.W. *see* Barker, K. 9—52380
Rowe, G.W. *see* Hartley, P. 9—81818
Rowe, J.E. *see* Davis, G.D. 9—78145
Rowe, J.E. *see* Margaritondo, G. 9—74057, 9—74058
Rowe, J.E. *see* Schluter, M. 9—77910
Rowe, J.E. *see* Weeks, S.P. 9—82436
Rowe, J.M., Rush, J.J. The dynamics of hydrogen in metals 9—60451
Rowe, M.W., Edgerley, D.A., Hyman, M., Lake, S.M. Effect of magnetic field on reduction of cobalt oxides 9—52764
Rowe, M.W. *see* Palmer, B.D. 9—75167
Rowe, R.W., Keyes, W.I. Comparison of scanner and camera systems for quantitative single photon emission tomography 9—66529
Rowe, W.D. *see* Lewis, H.W. 9—97821
Rowell, C.H.F. *see* Zaretsky, M. 9—92217
Rowell, J.M., Dynes, R.C., Schmidt, P.H. The effect of damage on the superconducting and magnetic transitions in $ErRh_4B_4$ 9—60954
Rowell, J.M. *see* Moore, D.F. 9—65618
Rowell, N. *see* Normandin, R. 9—98508
Rowell, N.L., Stegeman, G.I. Measurement of elastic properties and surface wave parameters in thin films 9—56101
Rowell, N.L. *see* Thomas, P.J. 9—76760
Rowell, R.L. *see* Russell, T.P. 9—58803
Rowell, R.M., Van Kirk, J.A. Tutorial modules: how we keep humans in our instructional packages 9—48980
Rowland, S.W. *see* Herman, G.T. 9—66545, 9—83929
Rowland, T.J. *see* Lenahan, P.M. 9—99558
Rowlands, E.G., James, P.F. Analysis of steady state crystal nucleation rates in glasses. I. Methods of analysis and application to lithium disilicate glass 9—90564
Rowlands, E.G., James, P.F. Analysis of steady state crystal nucleation rates in glasses. II. Further comparison between theory and experiment for lithium disilicate glass 9—90565
Rowlands, G. Magnetostatic energy of paramagnetic particles in magnetic separators 9—50182
Rowlands, G. *see* Infeld, E. 9—60128, 9—97211
Rowlands, R.E., Lemens, P.O. Moire strain analysis in cryogenic environments 9—77029
Rowlands, R.E., Winters, K.D., Jensen, J.A. Full-field numerical differentiation 9—59922
Rowlett, H., Forsyth, D. Teleseismic P-wave delay times in a major oceanic fracture zone 9—70754
Rowley, D. *see* Paras, N. 9—63659
Rowley, D.M. A holographic interference camera 9—89867
Rowlinson, J.S. Translation of J.D. van der Waals' 'The thermodynamic theory of capillarity under the hypothesis of a continuous variation of density' 9—56043
Rowlinson, J.S. *see* Harrington, J.M. 9—73380
Rowntree, P.R. Numerical prediction and simulation of the tropical atmosphere 9—88463
Rowson, B. *see* Bruk, Yu.M. 9—62863
Rowson, J.W., Hontzeas, S.A. Radioisotopic X-ray analysis of uranium ores by K shell fluorescence 9—79353
Roxburgh, I.W., Tavakol, R.K. The origin of supergranulation and giant cells in the solar convective zone 9—66979
Roxburgh, I.W., Tavakol, R.K. Non-Riemann geometrizable effects in the gravitational one-body problem 9—85016
Roy, A. Response of an elastic solid to nonuniformly expanding surface loads 9—81751
Roy, A., Davis, R.H. Proton beam heavy ion source 9—54730
Roy, A. *see* Blanc, D. 9—76866
Roy, A. *see* Frawley, A.D. 9—67731
Roy, A.K. Electron spin resonance studies of γ-irradiated simple formates 9—65737
Roy, A.K. *see* Dasmahapatra, B.K. 9—59038
Roy, A.P., Sahni, V.C., Bansal, M.L. Raman study of $(NH_4)_2CuCl_4.2H_2O$. II. Order-disorder transition 9—61357
Roy, A.S. Economic methodology for solar power-generating systems 9—52913
Roy, B.N., Handa, V.K. Kinetics of crystallization of barium tungstate from solutions in sodium tungstate melts by continuous cooling 9—99093
Roy, B.N., Rai, D.K. Modified binary-encounter calculations for electron capture from noble-gas atoms by protons. I 9—72412
Roy, B.N. *see* Kumar, A. 9—72413
Roy, C.B. *see* Venkateswara Rao, K. 9—57245
Roy, C.L. Surface states of one dimensional deformed semi-infinite crystals 9—65529
Roy, C.L. On Fermi level in extrinsic semiconductors 9—99472
Roy, C.L., Basu, B.K. A model for high-field transients in alkali halides 9—91055
Roy, C.L., Mahapatra, P.K. Evolution operator for Bloch electrons in external electric field 9—49426
Roy, C.R. Atmospheric nitrous oxide in the mid-latitudes of the southern hemispheres 9—100908
Roy, D. *see* Sarkar, S.K. 9—60445, 9—99280
Roy, D.L. *see* Basu, K. 9—79179
Roy, D.N., Singh, L.S. Combined classical theory for excitation of alkali metal atoms by electron-impact 9—98229
Roy, G. *see* Beveridge, J.L. 9—72059
Roy, G. *see* Greeniaus, L.G. 9—75961
Roy, G.D. On supersonic and subsonic diffusers for magnetohydrodynamic generator applications 9—83608
Roy, G.K. *see* Chakrabarti, B.K. 9—99272
Roy, J.L., Anderson, P., Lapointe, P.L. Paleomagnetic results from three rock units of New Brunswick and their bearing on the Lower Paleozoic tectonics of North America 9—100809

Roy, J.L. *see* Morris, W.A. 9—66618
Roy, J.Le *see* Le Roy, J.
Roy, J.S. *see* Panda, J. 9—55401
Roy, K. *see* Mathur, S.C. 9—95403
Roy, K. *see* Rasch, K.-D. 9—96452
Roy, K.N. *see* Singh, Z. 9—60492
Roy, M. Geomagnetic solar-flare effect and ionospheric induction 9—53632
Roy, M., Rajaram, R. Inductive electric fields in the magnetosphere 9—80093
Roy, M.Deb *see* Deb Roy, M.
Roy, M.N.Sinha *see* Sinha Roy, M.N.
Roy, O.Z. *see* Park, G.C. 9—84013
Roy, P.Le *see* Le Roy, P.
Roy, R. The dye laser and laser with a saturable absorber: a comparison of the time-dependent density matrix equations 9—86176
Roy, R. *see* Shimada, M. 9—87596
Roy, R. *see* Slobodrian, R.J. 9—71861
Roy, R.J.Le *see* Le Roy, R.J.
Roy, S. Relativistic Brownian motion and the foundations of quantum mechanics 9—63084
Roy, S., Sivan, V., Balasubramanyan, V., Shenoi, B.A. The interface in Al-Zn alloy coating over mild steel 9—52466
Roy, S.C. Stresses and displacement due to two equal and opposite couples applied on the surface of a composite elastic nonhomogeneous sphere having concentric spherical inclusion 9—94494
Roy, S.K., Singh, K.M., Bhattacharya, D.L. Effect of anharmonicity on the second-order Doppler shift of the Mossbauer line 9—56633
Roy, S.K., Sircar, S.C. Determination of Tafel slopes and corrosion rates from cathodic polarisation curves: a graphical method 9—66177
Roy, S.K., Sircar, S.C. Tarnishing behaviour of copper in humid atmospheres 9—70210
Roy, S.M. Apparent violation of unitarity in elastic π^-p scattering 9—71764
Roy, S.M., Singh, V. Completeness of tests of local hidden variable theories 9—71276
Roy, S.M. *see* Mennessier, G. 9—54348
Roy, S.R., Narain, S. Some plane symmetric models of perfect fluid distribution in general relativity 9—77295
Roy, S.R., Raj Bali Magnetoviscous fluid cosmological models in general relativity 9—63095
Roy, T. *see* Chowdhury, A.R. 9—88814
Roy, T. *see* Dey, S.K. 9—97273
Roy, T. *see* Ghosh, D.C. 9—54362, 9—71767, 9—80848, 9—80852, 9—93467
Roy, T.R. Laminar natural convection heat transfer from a curved surface to a non-Newtonian pseudoplastic liquid 9—64713
Roy-Chowdhury, S.K. *see* Barker, K. 9—52380
Roy-Stephan, M. *see* Bernas, M. 9—67661
Royal, E.L. *see* Prince, J.L. 9—92083
Royce, B.S.H. *see* Griffin, J.A. 9—73903
Royce, B.S.H. *see* Mandelis, A. 9—89010
Roychoudhuri, C. Causality and classical interference and diffraction phenomena 9—55049
Roychoudhuri, C., Calixto, S. Spectroscopy of short pulses 9—54191
Roychoudhury, R.K., Bhattacharyya, D.P. Relation between the primary proton energy and the produced pion energy in p-p inelastic interactions in terms of the Landau parameter 9—54364
Roychoudhury, R.K. *see* Bhattacharyya, D.P. 9—58205
Royen, R.P.Van *see* Van Royen, R.P.
Royer, D. Quasi elastic electron scattering from the deuteron 9—71847
Royer, D., Bernheim, M., Bussiere, A., Mougey, J., Tarnowski, D., Turck, S., Capitani, G.P., de Sanctis, E., Frullani, S. Quasi-elastic electron scattering and the momentum distribution of the deuteron 9—67747
Royer, D., Dieulesaint, E. Elastic and piezoelectric constants of trigonal selenium and tellurium crystals 9—86834
Royer, F., Tavard, C. Selection of the active slip systems in BCC and FCC polycrystals 9—90665
Royer, J. 'Delocalized model' in CNDO/2 framework. Application to reduction of 2-cyclohexenone 9—79231
Royer, J. *see* Robert, A. 9—72675
Roynette, J.C. *see* Gamp, A. 9—76021
Royo, F.Rubio *see* Rubio Royo, F.
Roys, W.B. *see* Heath, M. 9—80592
Roys, W.B. *see* Nikolic, P.M. 9—56778
Rozanov, K.V. *see* Karpinos, D.M. 9—100297
Rozanov, N.N. Frequency limitation in the internal modulation of laser radiation 9—72607
Rozanov, N.N., Smirnov, V.A. Small-scale self-focusing of confined beams 9—89977
Rozanov, Yu.N. *see* Karpov, V.G. 9—51526
Rozanova, A.M., Perfil'ev, S.V. Nature and properties of secondary structures formed during fretting corrosion 9—100292
Rozanova, A.M. *see* Nadezhdin, V.S. 9—59067
Rozanska, M. *see* Gorlich, L. 9—71766
Rozantsev, A.V., Tret'yakov, Yu.D., Kesler, Ya.A., Gordeev, I.V., Kaul', A.R. Thermal stability and thermochemical properties of thiorhodites 9—86904
Rozantsev, I.N. Electromagnetic transitions in ^{40,42}K 9—75896
Roze, N.V. Flow of a non-Newtonian fluid in a thin layer 9—86474
Rozenblat, A.M. *see* Arakelov, A.G. 9—82256
Rozenblat, L.Sh., Sterlin, Yu.G. Method of calculating model parameters for thermographic systems 9—79477
Rozenblat, M.A. *see* Yurchenko, S.E. 9—91269
Rozenfeld, B. *see* Pietrzak, R. 9—90826
Rozenfeld, B. *see* Szuszkiewicz, M. 9—82518
Rozenfeld, B. *see* Szuszkiewicz, S. 9—91524
Rozenfel'd, M.A. Thermodynamic model of formation of fibrin molecule 9—70527
Rozenman, G.I., Boikova, E.I. Orientational dependence of exoelectron emission during phase transitions in barium titanate 9—69786
Rozenman, G.I. *see* Boikova, E.I. 9—69961
Rozenman, G.I. *see* Tomashpol'skii, Yu.Ya. 9—74069
Rozenshtein, I.M., Vompe, G.A. A method of determining the critical opening of a crack 9—52479
Rozenshtein, L. *see* Pope, M. 9—50841
Rozenson, I. *see* Heller-Kallai, L. 9—66673
Rozgonyi, G.A., Leamy, H.J., Sheng, T.T., Celler, G.K. The microstructure of laser annealed silicon 9—74027
Rozgonyi, G.A. *see* Bean, J.C. 9—56082, 9—69372
Rozgonyi, G.A. *see* Celler, G.K. 9—73183
Rozhanskii, V.A., Tsendin, L.D. Electrostatic probe in a magnetic field 9—55563
Rozhanskii, V.A., Tsendin, L.D. Suppression of impurity diffusion in the Pfirsh-Schluter region by plasma rotation 9—98867
Rozhanskiy, V.A., Tsendin, L.D. Diffusion of a weakly ionized plasma filament forming an angle with the magnetic field 9—53610
Rozhavskii, A.S. *see* Khlus, V.A. 9—65603
Rozhda, A.F. *see* Ermolenko, A.S. 9—87287
Rozhdestvanskii, K.V. Asymptotic theory of a wing moving near a solid wall 9—68737
Rozhdestvenskaya, N.B., Eidner, K. Investigation of orientational pair correlations in the isotropic phase of liquid crystals and their solutions in CCl_4 using depolarised Rayleigh light scattering method 9—90552
Rozhdestvenskaya, N.B., Gorbachova, E.N. Absolute measurements of Rayleigh factor in some pure organic liquids 9—99896
Rozhdestvenskaya, N.B. *see* Vuks, M.F. 9—78692
Rozhdestvenskaya, T.B. *see* Antonova, D.I. 9—75545
Rozhdestvenskii, A.N. *see* Kanev, B.N. 9—94431
Rozhdestvenskii, B.V. *see* Balbekov, V.I. 9—63829
Rozhdestvenskii, V.I. *see* Vinogradov, Yu.A. 9—81922
Rozhdestvenskiy, V.I. *see* Leont'yev, A.I. 9—98719
Rozhetskaya, K.M. *see* Yurchenko, V.S. 9—55678
Rozhitskii, N.N., Bykh, A.I., Kukoba, A.V., Shitov, V.M. Steady-state electrochemiluminescence in solutions with organometallic electrolytes 9—57250
Rozhko, A.Kh. *see* Ostrovskii, I.V. 9—91509
Rozhko, V.S. *see* Glinchuk, M.D. 9—90992
Rozhkov, B.K. *see* Dudnikov, Yu.A. 9—49317
Rozhkov, S.S. Transport effects in semiconductors in strong electric and quantizing magnetic fields 9—95417
Rozhkov, S.S. Nonequilibrium fluctuations in semiconductors in a quantized magnetic field 9—95426
Rozhkov, V.V. *see* Borisevich, N.A. 9—94031
Rozhnov, V.P., Cheremukhin, G.S., Klochkov, A.M. Optical coatings made from titanium, zirconium and silicon oxide films prepared by the high-frequency cathodic method 9—76900
Roziere, J. *see* Baltzinger, C. 9—51038
Rozin, K.M. *see* Airapetov, A.Sh. 9—96030
Rozin, K.M. *see* Dudnikova, V.B. 9—96008
Rozin'kov, N.S. *see* Dubitskii, L.G. 9—52580
Rozinoer, J., Thomas, G. An example of automation of a variable iris photometer 9—62748
Rozman, I.M. *see* Kilin, S.F. 9—56834
Rozman, S.P. *see* Alekseev, N.E. 9—64236
Rozmus, W. Hydrodynamical description of one-component weakly coupled plasmas 9—90390
Rozmus, W., Turski, L.A. Fluctuating forces in plasmadynamics 9—68913
Roznerski, W., Mechlinska-Drewko, J. Ratio of the lateral diffusion coefficient to the mobility for electrons in carbon monoxide and carbon dioxide 9—50840
Rozniakowski, K. *see* Drobnik, A. 9—91458, 9—99990
Rozova, T.T., Fursei, G.N., Ivanov, V.G. Adsorption of oxygen on germanium stimulated by a strong electric field 9—65325
Rozsa, K., Bergou, J., Janossy, M., Mizerczyk, J.K. Effect of anode geometry and potential on voltage of a hollow anode-cathode discharge 9—99017
Rozsondai, B., Hargittai, I., Pappalardo, G.C. Gas electron diffraction study of the molecular structure of di-2-pyridyl sulphide 9—81296
Rozvadovskii, S. *see* Yurkovskii, B. 9—96131
Rozvany, G.I.N. Optimal beam layouts: allowance for cost of shear 9—68566
Rozvany, G.I.N., Prager, W. A new class of structural optimization problems: optimal archgrids 9—67160
Rozwadowska, K. Preparation and DC conductivity of the low-temperature glassy carbon 9—95404
Rozzi, T.E., In't Veld, G.H. Field and network analysis of interacting step discontinuities in planar dielectric waveguides 9—55214
Rrandt, R.A., Young, K. Dual symmetry and magnetic charge conservation 9—80766
Rtskhiladze, V.G. *see* Gvelesiani, G.G. 9—52113
Ru-gi Han *see* Han Ru-gi
Ru-keng Su *see* Su Ru-keng
Ru-Shan Han *see* Han Ru-Shan
Ru-zeng Zhu *see* Zhu Ru-zeng
Ruan Tong-Ze *see* Li Bing-An 9—49489
Ruan Tu-nan, He Zuo-Xiu, Huang Tao On the conjugate field quantity and the definition of the relativistic wave function in the composite field theory 9—80756
Ruault, M.O., Bernas, H., Chaumont, J. Transmission electron microscopy study of damage by ion implantation in gold. Evidence for a spike threshold 9—90705
Ruault, M.O. *see* Dartyge, E. 9—73235
Rub, P. *see* Picoche, J.C. 9—71495
Rubaj, M. *see* Uhniat, M. 9—50175
Rubakov, V.A. *see* Krasnikov, N.V. 9—49408, 9—54271, 9—97536
Ruban, O.K. *see* Stegnii, A.I. 9—77725
Ruban, V.A. *see* Odarich, V.A. 9—73894
Rubanov, A.S. *see* Ivakin, E.V. 9—81476, 9—94191
Rubashev, B.M. *see* Vitinsky, Yu.I. 9—92742
Rubashkin, A.I. *see* Bratashevskii, A.S. 9—85305
Rubashkin, A.L. *see* Get'man, V.A. 9—63487, 9—89170
Rubashkin, A.L. *see* Gorbenko, V.G. 9—80830, 9—89171, 9—89294
Rubbia, C. *see* Bell, M. 9—93413
Rubbia, C. *see* Cline, D. 9—72090
Rubbia, C. *see* Entenberg, A. 9—54333
Rubbia, C. *see* Giboni, K.L. 9—89204
Rubbo, M., Aquilano, D. An analytical method for the determination of the geometric and kinetic features of growing crystal faces 9—86728
Rubchak, I.Yu. *see* Umarov, G.Ya. 9—83624
Rubcic, A., Baturic-Rubcic, J. On the fusion of liquids with spherical- and linear-like molecules 9—82318
Rubcic, A., Rubcic, J.B. Simple model for volume change at melting of elements. I 9—55865
Rubcic, A., Rubcic, J.B. Simple interpretation of melting for alkali metal halides. II 9—55866
Rubcic, A. *see* Baturic-Rubcic, J. 9—54134
Rubcic, J.B. *see* Rubcic, A. 9—55865, 9—55866
Rubecz, I. *see* Ibranyi, G. 9—100786
Rubel, M. Principles of construction and use of biostratigraphical scales for correlation 9—62503
Rubenach, M.J. *see* Black, L.P. 9—57895
Rubeska, I., Hlavinkova, V. Determination of arsenic in rocks and soils by atomic absorption spectrophotometry using the MHS-1 automated hydride system 9—88475
Rubi, J.M. *see* Jou, D. 9—76940
Rubia, J.De La *see* De La Rubia, J.
Rubia, J.de La *see* de La Rubia, J.
Rubin, A.B. *see* Pashchenko, V.Z. 9—92178
Rubin, A.B. *see* Pyt'eva, N.F. 9—53067
Rubin, G.A. *see* Leach, M.F. 9—61825
Rubin, H., Roth, C. Instability of horizontal thermohaline flow in a porous medium layer 9—77239
Rubin, I.P., Dul'kin, I.N., Roizen, L.I. Heat exchange during boiling of a liquid on the surface of an annular edge of constant thickness 9—55315
Rubin, J.J. *see* Cheng, L.S. 9—73427
Rubin, J.J. *see* Leu, Y.-T. 9—100047
Rubin, L.B. *see* Gavrilov, A.G. 9—70586
Rubin, L.B. *see* Pashchenko, V.Z. 9—66461, 9—92178
Rubin, L.G. Comment on 'Magnetic-field-induced temperature error of some low-temperature thermometers' [by H. Alms, R. Tillmanns, S. Roth] 9—80618
Rubin, M. *see* Mullineaux, D.R. 9—66726
Rubin, M.H. Optimal configuration of a class of irreversible heat engines. I 9—54085
Rubin, M.H. Optimal configuration of a class of irreversible heat engines. II 9—54086
Rubin, N.B. *see* Vasilyev, A.A. 9—54655
Rubin, R.J. Comment on explicit integration method for the time-dependence Schrodinger equation 9—72224
Rubin, S.L. *see* Reed, C.M. 9—96587
Rubin, V.C. Extended optical-rotation curves of spiral galaxies 9—97083
Rubin, V.C., Ford, W.K., Jr., Roberts, M.S. Extended rotation curves of high-luminosity spiral galaxies. V. NGC 1961, the most massive spiral known 9—62898
Rubinov, A.N., Bushuk, B.A., Stupak, A.P., Al'perovich, M.A. Picosecond kinetics of trans-cis isomerization of cyanine dyes 9—87853
Rubinov, A.N. *see* Adamushko, A.V. 9—52831
Rubinov, A.N. *see* Bushuk, B.A. 9—50289

Rubinov, Yu.A., Mazurenko, Yu.T. High-pressure CO_2 laser with a cascade discharge 9—68407
Rubinovich, I.M. Calculating the noise level at the output of a transducer when registering hard γ radiation 9—75517
Rubins, R.S. Electron paramagnetic resonance of divalent manganese in ferrous fluosilicate at 4.2K 9—65714
Rubinson, K. *see* Baianu, I.C. 9—90566
Rubinstein, I., Shtilman, L. Voltage against current curves of cation exchange membranes 9—96365
Rubinstein, M., Swartzendruber, L.J., Bennet, L.H. Nuclear magnetic resonance in $LaNi_5$ 9—78535
Rubinstein, S. *see* Ley-Koo, E. 9—84987
Rubio, E. *see* Moreno-Diaz, R. 9—53107
Rubio, J.A. *see* Aguilar-Benitez, M. 9—80847
Rubio, R., McDonald, C., Izquierdo, M. Concept of determination of the Earth's heat budget and albedo as a function of altitude with balloon-borne pyranometers 9—58135
Rubio O., J. *see* Hernandez, J. 9—51137
Rubio O, J. *see* Murieta S, H. 9—87311
Rubio Royo, F. *see* Moreno-Diaz, R. 9—53107
Rublev, V.S. *see* Rasskazov, A.O. 9—87698
Rublev, Ya.A. *see* Beletskii, V.M. 9—66126
Rublev, Ya.A. *see* Garevskikh, A.S. 9—52578
Rubloff, G.W. *see* Weinberg, Z.A. 9—73540
Rubtsov, I.D. *see* Sidko, A.F. 9—49269
Rubtsov, N.A. *see* Adrianov, V.N. 9—81703
Rubtsov, N.A. *see* Kutateladze, S.S. 9—76950, 9—86323, 9—98831
Rubtsova, M.Ju. *see* Gorina, I.I. 9—90528
Ruby, L., Pyle, R.V., Yue-Chau Wong Cross sections for $^6Li(^6Li,^3He)^7Be$, $^6Li(d,n)^7Be$, and $^{19}F(^6Li,p)^{24}Na$ 9—76017
Ruby, L. *see* Graham, W.G. 9—85780, 9—88968
Ruby, S.L. Introduction [to Mossbauer isomer shifts] 9—87347
Ruby, S.L., Shenoy, G.K. The 5s-5p elements beyond tin: (Sb, Te, I, Xe) [Mossbauer isomer shifts] 9—87360
Rucci, A. *see* Garbato, L. 9—77846
Ruccia, F.E. *see* Aronson, J.R. 9—95189
Ruchinskii, N.V. *see* Matskevich, L.L. 9—76897
Ruchti, R. *see* Biel, J. 9—89309
Ruchti, R. *see* Chaney, D. 9—89308
Ruchti, R.C. *see* Biswas, N.N. 9—63556
Ruchti, R.C. *see* Polychronakos, V.A. 9—49539
Ruchti, S. *see* Metz, H.J. 9—59644
Ruck, G.W. *see* Yang, T.F. 9—71960
Ruckdeschel, W. *see* Heyduck, H.-J. 9—89469
Ruckel, R.R. *see* Conrad, F.L. 9—64328
Ruckel, R.R. *see* Culver, J.V. 9—93201
Rucker, F. *see* Ochs, A. 9—84336
Ruckers, R.B. *see* Riggins, R.S. 9—79578
Ruckert, M. *see* Filges, O.D. 9—85753
Ruckl, R. *see* Byers, N. 9—63467
Ruckl, R. *see* Jones, D. 9—89185
Ruckl, R. *see* Peccei, R.D. 9—67534
Rucklidge, J.C. *see* Purser, K.H. 9—92042
Rud', B.M. *see* Lazorenko, V.I. 9—95281
Rud, N. *see* Ward, D. 9—65130
Rud, V.I. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Rud', Yu.V. *see* Averkieva, G.K. 9—51665
Rud', Yu.V. *see* Mekhtiev, N.M. 9—60873
Ruda, M. Clever tricks for use with ACCOS V 9—86230
Rudak, B. Symbiotic stars 9—88689
Rudakoff, G. *see* Tiller, H.-J. 9—51418, 9—95645
Rudakov, L.I. *see* Babykin, M.V. 9—68945
Rudakov, L.I. *see* Velikhov, E.P. 9—71955
Rudakov, L.V. *see* Beletskii, V.M. 9—100262
Rudakov, T.N. *see* Anferov, V.P. 9—95683
Rudakov, V.A. *see* Biryukov, A.V. 9—80074
Rudakov, V.A. *see* Voitsenya, V.S. 9—98887
Rudakov, V.I. *see* Bogodukhov, S.I. 9—52530
Rudakov, V.K. Dynamics of groundwater in plane regions during time varying seepage and evaporation 9—79878
Rudakov, V.P. *see* Artemov, K.P. 9—63688
Rudat, M.A., Morrison, G.H. Energy spectra of ions sputtered from elements by O_2^+: a comprehensive study 9—61484
Rudavsky, E.Ya. *see* Dikina, L.S. 9—56008
Rudaz, S. *see* Bhanot, G. 9—80797
Rudchenko, V.V., Dudarev, E.F., Kon-Syu, Yu., Glazyrina, M.I. Amplitude dependence of internal friction of metal and alloy polycrystals 9—90726
Rudchik, A.T. *see* Stepanenko, V.A. 9—68112
Rudd, P.J. *see* Clark, D.H. 9—84766
Rudd, T.G. *see* Daly, M.J. 9—79639
Ruddick, K. *see* Igo, G. 9—80916
Ruddiman, W.F., McIntyre, A. Warmth of the subpolar North Atlantic Ocean during Northern Hemisphere ice-sheet growth 9—66711
Ruddock, K.H. *see* Djamgoz, M.B.A. 9—79534
Ruden, W.von *see* von Ruden, W.
Ruden, W.Von *see* Von Ruden, W.
Rudenholm, G. *see* Hagg, G. 9—50942
Rudenko, A.I., Arkhipov, V.I. A model of anomalous charge-transport behaviour in amorphous materials 9—91048
Rudenko, A.I. *see* Arkhipov, V.I. 9—69517, 9—95418
Rudenko, A.I. *see* Bystritskii, V.M. 9—50171
Rudenko, A.I. *see* Remizovich, V.S. 9—82250
Rudenko, A.P. *see* Biryukov, N.S. 9—67666, 9—80940
Rudenko, E.M. *see* Belous, N.A. 9—82716
Rudenko, E.P. *see* Laykhtman, D.L. 9—53358
Rudenko, L.F. *see* Bushueva, I.M. 9—96338
Rudenko, O.V. *see* Burmistrova, L.V. 9—64478
Rudenko, T.I., Makarov, A.D., Borisyuk, G.N. Application of statistical analysis to study the conformational variations of the chloroplasts 9—92177
Rudenko, T.I., Makarov, A.D., Budnitskii, A.A. Conformational fluctuations in chloroplasts 9—53060
Rudenko, V.A. *see* Birzhevoi, G.A. 9—60404
Rudenko, V.N., Yunda, N.T. Estimating and analyzing the sensitivity of testing composite materials with fluctuating components by means of monoenergetic electrons 9—79209
Rudenko, V.N. *see* Gusev, A.V. 9—75436
Rudenko, V.S. *see* Bondarenko, Yu.I. 9—100475
Ruder, H. *see* Herold, H. 9—67619
Ruder, H. *see* Reinecke, M. 9—54386
Ruderman, I.L. Vibrations of a shaft on two supports with a cantilever-mounted pinion 9—88950
Ruderman, M. Magnetic fields in superdense stars: cyclotron resonance emission 9—75207
Ruderman, W. Excimer lasers in photochemistry 9—98379
Rudgers, A.J. Acoustic reflection and radiation by thick fluid-loaded composite plates 9—94381
Rudick, M.Goske *see* Goske Rudick, M.
Rudiger, A. *see* Billing, H. 9—101076
Rudiger, K. *see* Gutschie, B. 9—87920
Rudik, K.I., Yaroshenko, O.I., Pikulik, L.G. Polarizing effect of a fluorescing anisotropically-excited solution 9—85990
Rudin, M. *see* Schweiger, A. 9—72341
Rudin, V.N. *see* Melikhov, I.V. 9—56093
Rudisill, J.E., Harrington, J.A., Braunstein, M. Low-loss antireflection coatings for DF chemical lasers 9—64262
Rudisill, J.H. *see* Peterson, J.T. 9—80024
Rudkin, A.T. *see* Nevinnyi, A.V. 9—88261
Rudko, G.Yu. *see* Valakh, M.Ya. 9—65831
Rudko, V.N. *see* Fishchuk, I.I. 9—51601
Rudlof, G., Becherer, J., Glaefeke, H. A remark on determining activation energies by fractional glow technique (FGT) in case of complex glow spectra—a procedure of improving this method 9—65984
Rudman, R. Structural relationships between the orientationally disordered (plastic) and ordered phases of tetrahedral molecules 9—55681
Rudman, R. *see* Cohen, S. 9—77559
Rudner, S., Claeson, T. Basis Josephson tunnel junction parameters vary strongly with temperature below T_c 9—56442
Rudner, S., Claeson, T. Arrays of superconducting tunnel junctions as low-noise 10-GHz mixers 9—82714
Rudner, S. *see* Claeson, T. 9—65611
Rudnev, A.V. *see* Rakhmanina, A.V. 9—73534
Rudnev, N.A. *see* Melikhov, I.V. 9—87591
Rudnev, N.F. *see* Nikitin, P.N. 9—96129
Rudneva, N.M. *see* Porchkhidze, Ts.D. 9—53658
Rudneviskii, V.S. *see* Demidov, S.S. 9—59725
Rudnevskii, N.K., Maksimov, D.E., Lazareva, L.P. Spectral determination of some rare earth elements in solutions using a hollow cathode discharge in a magnetic field 9—52859
Rudnevskii, N.K. *see* Rezchikov, V.G. 9—57327
Rudnick, I. *see* Garrett, S. 9—55974
Rudnick, I. *see* Williams, G.A. 9—60569
Rudnick, J., Taylor, P.L., Litt, M., Hopfinger, A.J. Theory of free volume in polymers 9—94919
Rudnick, J. *see* Pytte, E. 9—73753
Rudnick, L., Adams, M.T. 4C radio galaxies structures and optical identifications 9—71137
Rudnicki, J.W. Rotation of principal stress axes caused by faulting 9—57886
Rudnicki, J.W. *see* Rice, J.R. 9—84145
Rudnik, G.B., Kashintsev, G.L. Earth's interior under the ocean 9—100822
Rudnik, S. *see* Pytel, S. 9—79022
Rudnitskii, V.P. On steady solutions of some problems in digital processing of seismic observations 9—53317
Rudnitskii, Yu.V., Kalenov, V.P. Examination of gases released by moulding materials and mixtures 9—52817
Rudoi, A.P. *see* Baklanova, L.M. 9—55907
Rudoi, Yu.G. The collective Green function and longitudinal susceptibility of Heisenberg anisotropic ferromagnet at low temperatures 9—65631
Rudoi, Yu.G. Tensor of the inhomogeneous dynamic susceptibility of an anisotropic Heisenberg ferromagnet and Bogolyubov inequalities. I. Single-particle matrix Green's function and transverse components of the susceptibility tensor 9—95564
Rudolf, F., Jaccard, C., Roulet, M.E. The diffusion coefficient of boron in epitaxial silicon layers 9—99372
Rudolf, W. *see* Van de Wiel, H.J. 9—88038
Rudolph, G. *see* Armstrong, T.A. 9—85344
Rudolph, G. *see* Girtler, P. 9—89197
Rudolph, G. *see* Otter, G. 9—85338
Rudolph, H. *see* Alzona, J. 9—83654
Rudolph, H. *see* Congendo, T. 9—79343
Rudolph, K. *see* Quade, U. 9—93872
Rudolph, T.D. Effects of gamma irradiation of Pinus banksiana Lamb. seed as expressed by M_1 trees over a 10-year period 9—88119
Rudowicz, C. Spin Hamiltonian and magnetic anisotropy. Application to $3d^4$ and $3d^6$ ions 9—99669
Rudra, P., Sikdar, M.K. Group theoretical analysis of second order phase transitions in magnetic structures 9—91239
Rudraiah, N. *see* Chandrasekhara, B.C. 9—77262
Rudresh, H.B., Mayanna, S.M. Role of the thiocyanate ion in the corrosion inhibition of zinc in perchloric acid by n-decylamine 9—96223
Rudshtein, V.L. *see* Mavashev, Yu.Z. 9—94307
Rudstam, G. Calculation of spallation yield distributions including yields of isomeric states 9—93596
Rudstam, G., Aleklett, K. The energy distribution of antineutrinos originating from the decay of fission products in a nuclear reactor 9—75924
Rudy, C.R. *see* Porile, N.T. 9—67735, 9—67790
Rudy, R.J. Polarization from Thomson scattering of the light of a spherical, limb-darkened star 9—58324
Rudy, T.E. Array processors and their application 9—70899
Rudy, Y., Plonsey, R. The eccentric spheres model as the basis for a study of the role of geometry and inhomogeneities in electrocardiography 9—70540
Rudyak, V.Ya., Shavaliev, M.Sh. Comment on the paper 'Solution of the Boltzmann equation for small Knudsen numbers' by I.B. Chekmarev 9—81924
Rudyak, Yu.B. *see* Kozlov, V.B. 9—83562
Rudzikas, Z.B. *see* Bogdanovich, P.O. 9—54781
Rudzikas, Z.B. *see* Boiko, V.A. 9—72230
Rudzikas, Z.B. *see* Sivtsev, V.I. 9—63895
Rudzsky, M.A. *see* Bugaev, E.V. 9—93605
Rue, E.A.De La *see* De La Rue, E.A.
Rue, R.E.De La *see* De La Rue, R.E.
Ruebenbauer, K., Birchall, T. A computer programme for the evaluation of Mossbauer data 9—56631
Rueda, A., Lecompte, A. On approximations in the model of Einstein and Hopf 9—80453
Rueda, D.R., Balta Calleja, F.J., Hidalgo, A. A study of supermolecular structure of polyethylene 9—77532
Ruede, J.E. Infrared multiple internal reflection spectroscopy in the study of the weathering process of pitch 9—74461
Rueger, L.J., Bates, A., Stillman, L., Norton, J., Blackburn, C.M., Reinhardt, V.A. NASA NR hydrogen maser 9—55099
Ruegg, K., Boekema, C., Hofmann, W., Kundig, W., Meier, P.F. μSR in antiferromagnetic Cr_2O_3 and α-Fe_2O_3 9—56666
Ruegg, K. *see* Boekema, C. 9—56674
Ruegg, K. *see* Meier, P.F. 9—56662
Ruegg, T. *see* Hager, J. 9—64026
Ruegg, W. *see* Camani, M. 9—56663, 9—56692, 9—56699, 9—57279
Ruegg, W. *see* Camania, M. 9—56656
Ruelle, D. Microscopic fluctuations and turbulence 9—77079
Ruelle, D. What are the measures describing turbulence? 9—81854
Ruelle, J.-L. Modified bielectronic potential method for correlation energy 9—59365
Ruer, D., Baro, R. Practical advantages of the vector method of texture analysis 9—83218
Rues, K.P.Des *see* Des Rues, K.P.
Ruesink, W., de Wilde, J., Griessen, R., Lee, M.J.G. An experimental test of the rigid-muffin-tin approximation used in the theory of electron-phonon interaction 9—65364
Ruester, E.F. *see* North, D.O. 9—81537
Ruetschi, A. *see* Meyerhof, W.E. 9—89768
Ruetten, H.J. *see* Teuchert, E. 9—85643
Ruey-Hor Yen *see* Fanucci, J.B. 9—90318
Ruf, M.W. *see* Hultzsch, W. 9—64090
Ruff, I. Theory of concentrated solutions of strong electrolytes. II. Thermodynamic properties of mixed electrolytes. Theoretical basis of the Harned rule 9—90506
Ruff, J.F., Lux, F., III. Coefficients for segmental orifices 9—68867
Ruff, S.C. *see* Mitchell, R.H. 9—57792
Ruffer, R. *see* Hannon, J.P. 9—93267
Ruffini, R. *see* Zhi, F.L. 9—97010
Ruffini, R. *see* Giacconi, P. *(editor)* 9—80334
Ruffo, S. *see* Bergia, S. 9—71189
Ruffolo, J.J., Jr. *see* Moon, M.E. 9—53114
Ruge, I. *see* Reichl, M. 9—56241
Ruggeri, G.J. Critical region of a type II superconducting film near H_{c2}: rational approximants 9—91198
Ruggeri, T. *see* Boillat, G. 9—76908
Ruggieri, F. *see* Armenise, N. 9—67533
Ruggiero, A. *see* Cline, D. 9—72090
Ruggiero, A.G. Electron-proton colliding beams at Fermilab 9—72067
Ruggiero, A.G. *see* Hojvat, C. 9—72102
Ruggiero, A.G. *see* Parchomchuk, V.V. 9—72095
Ruggiero, L. *see* de Blasi, C. 9—76278

Rugheimer, M. *see* Kirkpatrick, L.D. 9—58503
Ruh, R. *see* Tai-il Mah 9—61549
Ruhe, W. *see* Oechsner, H. 9—90856
Ruhl, R., Jeitschko, W. New pnictides with Ce_2O_2S-type structure 9—65055
Ruhl, R. *see* Jeitschko, W. 9—99124
Ruhle, M. *see* De Diego, N. 9—96021
Ruhle, W., Losch, K., Fischbach, J.U. A new optical method to investigate deep traps in GaAs and InP 9—60761
Ruhle, W. *see* Weber, G. 9—56854
Ruhmer, W. *see* Brandelik, R. 9—63491, 9—93441
Ruhmer, W. *see* Evangelista, C. 9—75788, 9—80843
Rui-Bao Tao *see* Tao Rui-Bao
Rui-bin Zhang *see* Zhang Rui-bin
Rui-feng Wu *see* Wu Rui-feng
Rui-Ming Luo *see* Luo Rui-Ming
Rui-Qi Zhou *see* Zhou Rui-Qi
Ruijsenaars, S.N.M. *see* Garber, W.-D. 9—80739
Ruiperez, L.Garzon *see* Garzon Ruiperez, L.
Ruisi, G. *see* Butera, F. 9—57398
Ruiter, H.R.de *see* de Ruiter, H.R.
Ruiz, C. *see* Malik, Z. 9—96082
Ruiz, C. *see* Mousa, E.A. 9—68588
Ruiz, C.L., Huggett, R.W., Kirk, P.N. Zero-degree fragmentation of relativistic ^{6}Li 9—85438
Ruiz, E. *see* Firmani, C. 9—53830
Ruiz, F. *see* Bourdel, D. 9—61208
Ruiz, J.M. *see* Luque, A. 9—61999
Rujan, P. Variational method for lattice systems: general formalism and application to the two-dimensional Ising model in an external field 9—80538
Rujan, P. *see* Patkos, A. 9—51735, 9—97329
Rujita, H. *see* Sato, Y. 9—55077
Rujula, A.De *see* De Rujula, A.
Rukhadze, A.A. *see* Arutyunyan, S.G. 9—98853
Rukhadze, A.A. *see* Zhukov, P.G. 9—86122
Rukhin, V.B. *see* Dudkin, V.A. 9—72594
Rukhlo, V.P. *see* Yurova, L.N. 9—63738, 9—71923
Rukhlyada, N.Ya. *see* Gostev, A.V. 9—93258
Rukin, V.V. *see* Manokhin, A.I. 9—100090
Rukman, G.I., Granovskii, A.B. Determination of shape of small particles from scattered light 9—67250
Rukman, G.I., Lisyanskii, B.E., Morozov, P.A., Morozova, S.P. Holography in the IR region of the spectrum, based on scanning image converters 9—76636
Rukman, G.I. *see* Abakumov, B.M. 9—67417
Rukman, G.I. *see* Granovskii, A.B. 9—64344
Rukman, G.I. *see* Gurari, M.L. 9—75535
Rukman, G.I. *see* Morozov, P.A. 9—76842, 9—80614
Rukmangadachari, E. Dusty viscous flow through a cylinder of elliptic section under time-dependent pressure gradient 9—77248
Rule, D.W., Omidvar, K. Charge equilibrium and radiation of low-energy cosmic rays passing through interstellar medium 9—53676
Rulev, N.N. *see* Deryagin, B.V. 9—56038
Rulis, A.M. *see* Esche, B.A. 9—86043
Rull, F. *see* de Saja, A. 9—52104
Rull, L.F. *see* de La Rubia, J. 9—60417, 9—90502
Rulleau, A. *see* Berlin, C. 9—97858
Rullhusen, P., Smend, F., Schumacher, M. Delbruck scattering of 2754 keV photons by Nd, Ce, I, Sn, Mo and Zn 9—67741
Rulliere, C. *see* Rayez, J.C. 9—59479
Rullman, R.G. *see* Diack, A.W. 9—88147
Rulmont, A. 90° Raman scattering study of a non-cylindrical crystal as a function of the angle of rotation of the crystal along a definite principal axis 9—73938
Rulmont, A., Flamme, J.P. Birefringence effect in the Raman spectrum of a crystal which is not cut parallel to the principal axes. I 9—69836
Rulmont, A., Flamme, J.P., Pottier, M.J., Wanklyn, B.M. Birefringence effect in the Raman spectrum of a crystal which is not cut parallel to the principal axes. II. Application to a single crystal of $LaBO_3$ 9—69837
Rumaa, J. Drop size distribution and heat flux of dropwise condensation 9—50573
Rumble, E., Simpson, J., Sugarman, A., Lee, S., Lim, E. The EPRI fuel performance data base 9—93731
Rumble, J.R., Truhlar, D.G. Low-energy electron-molecule scattering: comparison of coupled channel treatments of e^-N_2 scattering at 13.6 eV using various approximations to the static and exchange potentials and an approximate polarization potential 9—64106
Rumerman, M.L. Nonspecular acoustic backscattering from finite plates 9—72736
Rumpel, H. *see* Jones, P.G. 9—69074
Rumpf, H. Creation of Dirac particles in general relativity with torsion and electromagnetism. I. The general formalism 9—88856
Rumpf, H. Creation of Dirac particles in general relativity with torsion and electromagnetism. II. The constant electric field—A 'pedagogical' example 9—88857
Rumsby, P.T. *see* Willi, O. 9—77423
Rumyantsev, A.Y. *see* Chernyshov, A.A. 9—99285
Rumyantsev, A.Yu. *see* Chernoplekov, N.A. 9—51223
Rumyantsev, A.Yu. *see* Golovin, A.E. 9—97925
Rumyantsev, S.V. *see* Alifanov, O.M. 9—90111
Rumyantsev, V.A. *see* Vagin, L.N. 9—81395
Rumyantsev, V.G. *see* Barnik, M.I. 9—55803
Rumyantseva, L.A. *see* Polyakov, N.F. 9—68689
Rumyantseva, N.K., Smirnov, V.S., Tumaikin, A.M. Anisotropy of gaseous media in a strong electromagnetic field 9—98434
Run-guang Yuan *see* Yuan Run-guang
Run-qiao *see* Zhao Jin Zhao 9—81459
Runciman, W.A., Wong, E.Y. Absorption and laser excited fluorescence of hexavalent uranium in LiF 9—99927
Rund, D. *see* Port, H. 9—65387
Rund, H. Representations of the duals of gauge field tensors 9—89057
Rund, H. Clebsch representations and relativistic dynamical systems 9—93001
Rundo, J., Markun, F., Plondke, N.J. Observation of high concentrations of radon in certain houses 9—79662
Rundqvist, S., Andersson, Y., Pramatus, S. Coordination and bonding in representatives of the Fe_3P-, Ti_3P-, α-V_3S- and β-V_3S-type structures 9—60330
Runge, J.C. Combination tones 9—58507
Runolfsson, O. *see* Badier, J. 9—93460
Runov, A.E. *see* Feklistov, S.I. 9—83193
Runov, V.V. *see* Okorokov, A.I. 9—87257
Runov, V.V. *see* Toperverg, B.P. 9—65652
Runt, J. *see* Harrison, I.R. 9—87870, 9—99296
Runyan, N.H. *see* Head, S.M. 9—76916
Ruo-zhuang Liu *see* Liu Ruo-zhuang
Ruoff, A. *see* Burczyk, K. 9—98090
Ruoff, A. *see* Burger, H. 9—76431
Ruoff, A.L. Analysis of resistance-versus-pressure relations for the diamond indentor-anvil system 9—77681
Ruoff, A.L. On the yield strength of diamond 9—83261
Ruoff, A.L. *see* Gupta, M.C. 9—55821, 9—55822
Ruoff, A.L. *see* Nelson, D.A., Jr. 9—79036
Ruoff, A.L. *see* Panada, P.C. 9—54150
Ruoff, A.L. *see* Yohe, W.C. 9—70024
Ruotola, A.W. *see* Barmore, W.L. 9—79200
Ruotsalainen, S. *see* Riikonen, H. 9—85624
Rupasov, A.A. *see* Basov, N.G. 9—86587
Rupert, A.L. *see* Mousehegian, G. 9—70553
Rupnik, D. *see* Antolkovic, B. 9—89303
Rupnik, K. *see* Maksic, Z.B. 9—64045
Rupp, G. Effect of bronze on the compression of Nb_3Sn in multifilamentary conductors 9—61012
Rupp, G. Stress-induced enhancement of critical currents in multifilamentary Nb_3Sn conductors 9—69644
Rupp, R.R. *see* Toscher, M.M. 9—96586
Ruppeiner, G., Meyer, H. Thermal transport properties of ^{3}He-^{4}He mixture near and below the superfluid transition 9—60590
Ruppeiner, G. *see* Ryschkewitsch, M. 9—51363
Ruppersberg, G.H., Schellhase, R. Slant meteorological visibility 9—100954
Ruppersberg, G.H. *see* von Redwitz, H. 9—53523
Ruppert, E. *see* Fleck, C.M. 9—85622, 9—85627
Ruppert, U. *see* Denner, H.-D. 9—60578
Ruppert, U. *see* Ezaki, T. 9—71487
Ruppert, U. *see* Irie, F. 9—60965
Ruppin, R. Far-infrared absorption in small metallic particles 9—61383
Ruppin, R. Mie theory with spatial dispersion 9—98284
Ruppin, R. *see* Hayashi, S. 9—65303
Rurarz, E. *see* Alkhazov, G.D. 9—75957
Rurng-sen Wu *see* Wu Rurng-sen
Rurukin, A.N. *see* Ermachenko, V.M. 9—86160
Rus, E. *see* Pop, I. 9—95570, 9—95656
Rusakov, V.S. *see* Gordienko, V.A. 9—56599
Rusanov, A.V., Babkin, A.F., Yazov, A.N. Control-pulse shaper for a microwave spectrometer 9—67363
Rusanov, K.V. *see* Verkin, B.I. 9—59907, 9—60493
Rusanov, S.Ya. *see* Belov, A.V. 9—59857
Rusanov, V.D. *see* Legasov, V.A. 9—91947
Rusanova, T.A. *see* Eliseev, A.A. 9—78940
Rusanovskii, A.K. *see* Troshchenko, V.T. 9—66164, 9—87726
Rusch, D. New flexible substrates with anti-charging layers for advanced light-weight solar array 9—96456
Rusch, D.W. *see* Cravens, T.E. 9—100991
Rusch, D.W. *see* Torr, D.G. 9—58141, 9—96856
Rusch, R. *see* Brandelik, R. 9—63491, 9—93441
Ruschin, S., Bauer, S.H. Bistability, hysteresis and critical behavior of a CO_2 laser with SF_6 intracavity as a saturable absorber 9—98336
Ruschin, S., Ben-Aryeh, Y. Coherent trapping of a single excitation in a multimolecular system 9—89875
Rusconi, L. *see* Crivellari, L. 9—62758
Rusconi, L. *see* Pasian, F. 9—58268, 9—58270
Rusconi, L. *see* Stalio, R. 9—101146
Rusek, A. *see* Sokolowski, M. 9—52686, 9—95938
Rush, C.M. Ionospheric predictions: methods and results 9—58178
Rush, J.D., Johnson, C.E., Thomas, M.F., Price, D.C., Webster, P.J. Mossbauer effect study of Pd-based Heusler alloys. I. Magnetic coupling 9—69755
Rush, J.D., Johnson, C.E., Thomas, M.F., Price, D.C., Webster, P.J. Mossbauer effect study of Pd-based Heusler alloys. II. Hyperfine interactions in ferromagnets 9—69756
Rush, J.D. *see* Parish, R.V. 9—54874
Rush, J.J. *see* Kelley, R.D. 9—99408
Rush, J.J. *see* Rowe, J.M. 9—60451
Rush, R.H., Jackson, J.E. Treatment of hydrodynamic effects for toroidal containment vessels 9—76066
Rush, W.F. *see* Price, M.P. 9—71184
Rushbrooke, G.S. On the dielectric constant of dipolar hard spheres 9—51898
Rushbrooke, J.G. *see* Pratap, M. 9—63512
Rushbrooke, J.G. *see* Ward, C.P. 9—75803
Rushford, M.C. *see* Hackel, L.A. 9—54796
Rushforth, C. *see* Pulsipher, D. 9—64414
Rushforth, C.K. *see* Done, W.J. 9—64419
Rushforth, C.K. *see* Frost, R.L. 9—76605
Rushton, C., Bottom, A. Measuring pH in low conductivity waters 9—74473
Rushton, K.R., Redshaw, S.C. Seepage and groundwater flow. Numerical analysis by analog and digital methods 9—100884
Rusin, V., Rybansky, M. A possible observation of the neutral sheet in the corona during the 1973 June 30 eclipse 9—84757
Rusin, V., Rybansky, M., Scheirich, L. The solar corona 530.3 nm in the 20th cycle 9—66985
Rusinko, K.N. *see* Andrusik, Ya.F. 9—80435
Rusinov, A.I. *see* Bulaevskii, L.N. 9—65588
Rusinov, V.Yu. *see* Bayukov, Yu.D. 9—49538
Rusinova, N.G. *see* Samsonidze, T.G. 9—70515
Ruska, J., Gauckler, L.J., Lorenz, J., Rexer, H.U. The quantitative calculation of SiC polytypes from measurements of X-ray diffraction peak intensities 9—82174
Ruskamp, K. *see* Drenckhahn, W. 9—93584
Rusli, I.T. *see* Garside, J. 9—94933
Rusnak, R.M. *see* Chang, H.W. 9—52383
Rusovic, N., Warlimont, H. Young's modulus of β_2-NiAl alloys 9—83253
Russ, G.J. A system for analyzing contact resistance 9—99605
Russegger, P. *see* Gerloff, M. 9—72226
Russek, A. Diffraction and angular momentum effects in semiclassical atomic scattering theory 9—89734
Russek, A. *see* Cisneros, C. 9—59563
Russek, A. *see* Garcia, R. 9—81160
Russek, A. *see* Olsen, J.O. 9—68314
Russel, J.J. *see* Abrams, G.S. 9—89174
Russel, W.B. The low-shear limit of the effective viscosity of a solution of charged macromolecules 9—69274
Russell, C.D. *see* Goldenberg, D.J. 9—100719
Russell, C.T., Elphic, R.C. Observation of magnetic flux ropes in the Venus ionosphere 9—70980
Russell, C.T., Greenstadt, E.W. Initial ISEE magnetometer results: shock observation 9—58196
Russell, C.T. *see* Greenstadt, E.W. 9—53672
Russell, C.T. *see* Mozer, F.S. 9—70930
Russell, C.T. *see* Paschmann, G. 9—58209
Russell, C.T. *see* Taylor, W.W.L. 9—70979
Russell, D.K. *see* Davies, P.B. 9—54869
Russell, D.R. *see* Bougon, R. 9—51062
Russell, E. *see* Wyckoff, W.G. 9—54719
Russell, E.E. *see* Pellicori, S.F. 9—94306
Russell, G.A. *see* Whitehead, M.B. 9—79335
Russell, G.L. *see* Soll, D.B. 9—70879
Russell, J.C. *see* Peach, D.M. 9—62181
Russell, J.J. *see* Abrams, G.S. 9—89149
Russell, J.J. *see* Atiya, M.S. 9—80831
Russell, J.L. *see* Walker, W.E. 9—52905
Russell, J.L., Jr. *see* Schuster, J.R. 9—52903
Russell, J.M., III. *see* Park, J.H. 9—80037
Russell, K. Comet Russell (1979d) 9—71000
Russell, K.C. The theory of phase stability under irradiation 9—77634
Russell, K.C. *see* Maydet, S.I. 9—73208
Russell, K.S. Comet Russell (1979d) 9—80273
Russell, K.S., Green, D.W.E. Periodic Comet Russell (1979d) 9—84748
Russell, L.H. *see* Bird, J.D. 9—74442
Russell, M.L. LOFT fuel design and operating experience 9—89438
Russell, P.B., Uthe, E.E. Regional patterns of mixing depth and stability: sodar network measurements for input to air quality models 9—100965
Russell, P.St.J. Reconstruction fidelity from volume holograms of finite width and variable index modulation 9—72533
Russell, P.St.J., Solymar, L. The properties of holographic overlap gratings 9—72680
Russell, P.St.J., Solymar, L. A power conservation theorem for volume holograms 9—81390
Russell, P.W. *see* Ingling, C.L., Jr. 9—53120
Russell, R.O., Jr. *see* Papapietro, S.E. 9—70637
Russell, R.W. *see* Soifer, B.T. 9—101181
Russell, T. *see* Stein, R.S. 9—69026
Russell, T.P., Koberstein, J., Prudhomme, R., Misra, A., Stein, R.S., Parsons, J.W., Rowell, R.L. A calibration procedure for a low-angle light-scattering apparatus 9—58803
Russell, W. *see* Blackman, E. 9—55276
Russell, W. *see* Voegele, A.L. 9—96402
Russell, W.A. *see* Silver, J. 9—66442
Russell, W.J. *see* Ramaswami, B. 9—91747

Russell-Head, D.S. *see* Wilson, C.J.L. 9—57983
Russenberger, M.E. Determination of the length of cracks of specimens in fracture mechanics from methods of measuring electrical potentials 9—96258
Russer, P. *see* Gruber, J. 9—81565
Russev, V.P. Dynamic electronic polarizability of two atoms at long distances 9—76481
Russkevich, Yu.N. *see* Bron, Yu.M. 9—79210
Russo, G. *see* Chahoud, J. 9—51487
Russo, G. *see* Mancuso, S. 9—71073
Russo, L. The infinite cluster method in the two-dimensional Ising model 9—73654
Russo, L. *see* Coniglio, A. 9—65630
Russo, M. Analysis of fractures utilizing the SEM 9—61834
Russo, M. *see* Balsamo, E.P. 9—56430
Russo, M. *see* di Chiara, A. 9—99660
Russo, S. *see* Alfonso, G.C. 9—95992
Russo, S.Lo *see* Lo Russo, S.
Russu, A.I. *see* Gitsu, D.V. 9—82613
Rust, B.W., Rotty, R.M., Marland, G. Inferences drawn from atmospheric CO_2 data 9—84381
Rust, D. *see* Polvado, R. 9—63543
Rust, D.R. *see* Ems, S.C. 9—63541
Rust, D.R. *see* Polvado, R.O. 9—58983
Rust, H.P. *see* Ottensmeyer, F.P. 9—62175
Rust, H.-P. *see* Herrmann, K.-H. 9—58851
Rust, W.D., Krehbiel, P.R., Shlanta, A. Measurements of radiation from lightning at 2200 MHz 9—62558
Rust, W.D. *see* Szymanski, E.W. 9—84372
Rusta, D. *see* Sparks, R.H. 9—52929
Rustad, R.C., Viswanathan, G., Antonellis, B.C. Temporal correlations between sensitivity to radiation-induced mitotic delay and the S phase of the sea urchin egg 9—96625
Rustamov, Kh.Sh. *see* Gorelik, V.A. 9—78678
Rustamov, P.G., Guseinov, G.G., Kurbanov, T.Kh., Einullaev, A.V., Aliev, O.M. Synthesis, preparation of single crystals, and physicochemical investigation of $CrPr_2S_4$ and $CrPr_2Se_4$ 9—78857
Rustamov, P.G., Kahlilov, A.O., Alidhzanov, M.A., Aliev, O.M. Solid solutions of samarium monoselenide in InSe 9—87093
Rustamov, P.G. *see* Alidzhanov, M.A. 9—51738
Rustamov, P.G. *see* Aliev, O.M. 9—100033
Rustamov, P.G. *see* Magerramov, E.M. 9—51634
Rustamov, P.G. *see* Nadzhafov, A.I. 9—78939
Rustamov, P.G. *see* Nasibov, I.O. 9—87621
Rustamov, Sh.A. *see* Dekhtyar, I.Ya. 9—99970
Rustanovich, D.N. Earthquake classification 9—74851
Ruste, J. *see* Grand, G. 9—74136
Ruster, I. *see* Gericke, D. 9—100662
Ruster, R. *see* Czechowsky, P. 9—84370
Rustgi, M.L., Sandhu, T.S. Photodisintegration of the deuteron employing a supersoft core potential 9—89287
Rustgi, M.L. *see* Botzian, R. 9—93437
Rustgi, M.L. *see* Sandhu, T.S. 9—59006
Rustgi, M.L. *see* Zickendraht, W. 9—80923
Rustgi, S., Riesz, P. ESR of spin-trapped radicals in aqueous solutions of dihydropyrimidine bases 9—88053
Rustichelli, F. *see* Albertini, G. 9—95136
Rustichelli, F. *see* Boeuf, A. 9—60224, 9—78332
Rusu, A.C., Bulucea, C.D. MOS capacitor breakdown voltage 9—51677
Rut, O.E. *see* Emlin, R.V. 9—73909
Rutgers, W.R. *see* Van Andel, H.W.H. 9—50893
Ruth, D.W. On the transition to transverse rolls in an infinite vertical fluid layer—a power series solution 9—94611
Ruth, J., Westphal, W. MOSGEN—a potential European contribution in developing large solar generators suitable for growing power levels up to SPS-systems 9—96467
Ruth, R.D. *see* Courant, E.D. 9—63844
Ruth, R.D. *see* Crabb, D.G. 9—72055
Ruth, T.J., Wolf, A.P. 'Small' accelerator, radionuclide and radiopharmaceutical production 9—53240
Rutherfoord, J.P. *see* Shupe, M.A. 9—63485
Rutherford, H.G. *see* Frykman, G.K. 9—79710
Rutherford, P.H. Drift-tearing instabilities in Tokamaks 9—98912
Rutherford, P.H. Transport computations for Tokamaks 9—98966
Ruthergien, J.G. *see* Bussey, P.J. 9—75778, 9—80829
Ruthven, D.M. *see* Lee, L.-K. 9—87872, 9—87873
Rutkevich, B.N. *see* Pashchenko, A.V. 9—64169
Rutkevich, I.M. Acoustic instability of magnetogasdynamic flow of a dense plasma 9—64842
Rutkevich, I.M. Influence of action at a distance on acoustic excitation in a conducting gas 9—86571
Rutkowski, H.L. *see* Armstrong, D.D. 9—67969
Rutkowski, R. *see* Gumerman, L.W. 9—70613
Rutkowski, W. Metals and carbon in sintered composite materials 9—95978
Rutledge, A.R. *see* Davies, W.G. 9—54615
Rutledge, A.R. *see* Gibson, F.H. 9—59292
Rutledge, D.B. *see* Tien-Lai Hwang 9—75594
Rutledge, F. *see* Calvert, J. 9—80225
Rutledge, L.L. *see* Daly, R.T. 9—89558
Rutledge, L.T. *see* Pochay, P. 9—57822
Rutman, D.S. *see* Gil'derman, V.K. 9—82478
Rutt, T.C. *see* Fulson, F.C. 9—69250
Rutten, H.J. *see* Teuchert, E. 9—63799
Rutten, R.J., Milkey, R.W. Partial redistribution in the solar photospheric Ba II spectrum 9—101128
Rutter, D.R. *see* Butera, R.A. 9—73735
Rutter, E.H. *see* Casey, M. 9—83230
Ruuge, E.K., Tikhonov, A.N. Investigation of electron transport in the photosynthetic systems of higher plants by the EPR method. VI. Kinetics of photo-induced redox conversions of P700 in the regime of continuous and pulsed illumination of variable duration 9—92179
Ruuge, E.K. *see* Kerimov, T.M. 9—57563
Ruuge, E.K. *see* Subchinskii, V.K. 9—57604
Ruus, R. *see* Elango, M. 9—81176
Ruus, R.E. *see* Maiste, A.A. 9—99982
Ruuskanen, J. Modulation characteristics of volume holographic gratings recorded in KCl:Ca crystals 9—94197
Ruvalds, J., Kahn, L.M. Superconductivity in alkali tungsten bronzes 9—56358
Ruvalds, J., Kahn, L.M. Superconductivity in A-15 compounds 9—60947
Ruvalds, J. *see* Friedberg, C.B. 9—87182
Ruvalds, J. *see* Kahn, L.M. 9—82703
Ruvalds, J. *see* Tutto, I. 9—87205
Ruvinov, A.N. *see* Nemkovich, N.A. 9—78748
Ruvinskii, M.A. Ground state energy of excited gas and liquid in molecular crystals 9—95341
Ruyck, J.De *see* De Ruyck, J.
Ruysschaert, J.M. *see* Poss, A. 9—74601
Ruyven, L.J.van *see* van Ruyven, L.J.
Ruyven, L.J.Van *see* Van Ruyven, L.J.
Ruzer, L.S. *see* Antipin, N.I. 9—100729
Ruzer, L.S. *see* Kravchenko, I.I. 9—70384
Ruzhinskaya, L.I. *see* Dobronogova, S.I. 9—68597
Ruzicka, J. *see* Zrelov, V.P. 9—99243
Ruzicka, T. *see* Laska, L. 9—55577
Ruziewicz, Z. *see* Palewska, K. 9—76463
Ruzin, V.V. *see* Vikulov, V.F. 9—72030
Ruzmaikin, A.A., Sokolov, D.D., Kovalenko, A.V. Galactic magnetic field parameters determined from Faraday rotation of radio sources 9—58430
Ruzmaykina, T.V. *see* Zharkov, V.N. 9—74870
Ruzyllo, J., Jakubowski, A. A method of determination of density of charge on the surface of an ultra-thin dielectric layer on semiconductor substrate 9—51675
Rvachev, A.L. *see* Sholkina, M.V. 9—69560
Rwaboona, S.K. *see* Nkoma, J.S. 9—78020
Ryabchenko, S.M. *see* Lyfar, D.L. 9—91311
Ryabchenko, V.A. Numerical simulation of dissolved-oxygen distribution in the world ocean 9—53367
Ryabchenko, V.A. *see* Makarevich, V.A. 9—53360
Ryabchuk, G.V. *see* Lepekhin, G.I. 9—77095
Ryabenko, E.A. *see* Zhukova, L.A. 9—78664
Ryabich, L.M. *see* Chevela, O.B. 9—96222
Ryabinin, Yu.N. Effect of high pressure on the plastic state of limestone 9—74889
Ryabinin, Yu.V. *see* Zubkov, P.I. 9—86635
Ryabinina, E.Z. *see* Ivanov, I.G. 9—91766
Ryabkov, V.V., Polyakov, A.P., Antipin, Yu.G. Frequency characteristics of a system comprising seismic receivers, a cable and the amplifier input 9—84529
Ryabkova, T.G. *see* Izhvanov, L.A. 9—61796
Ryaboshapka, K.P. *see* Martynenko, O.V. 9—86643
Ryaboshapko, B.L. *see* Kharlamov, Yu.A. 9—100078
Ryabov, A.I. *see* Spitsyn, V.I. 9—51989
Ryabov, E.A. *see* Bagratashvili, V.N. 9—72370
Ryabov, E.A. *see* Velikhov, E.P. 9—89802
Ryabov, R.A. *see* Lobanov, V.V. 9—51307
Ryabov, V.A. Shift of axial blocking of scattered nuclear products 9—82268
Ryabov, V.D. *see* Altarev, I.S. 9—75775
Ryabov, V.F. *see* Aleksandrovich, G.Ye. 9—81640
Ryabov, V.V. *see* Balbekov, V.I. 9—63829
Ryabov, V.V. *see* Gusev, V.N. 9—81948
Ryabov, Yu.G. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Ryabova, G.G. *see* Goncharov, E.E. 9—85859
Ryabova, L.A. *see* Kalafati, Yu.D. 9—73549
Ryabova, L.I. *see* Akimov, B.A. 9—65382
Ryabova, N.A. *see* Alekhin, Yu.K. 9—53652
Ryabova, N.G. *see* Baiburina, S.G. 9—80156, 9—80170
Ryabova, R.V. *see* Vlasov, N.G. 9—59659
Ryabova, R.V. *see* Vorzobova, N.D. 9—68372
Ryabovol, A.A. *see* Kozlov, I.A. 9—57191, 9—66034
Ryaboy, V.M. *see* Basilevsky, M.V. 9—91922, 9—91923, 9—91924
Ryabtsev, A.N. *see* Kononov, E.Ya. 9—49974
Ryabtsev, A.N. *see* Podobedova, L.I. 9—63943
Ryabtsev, G.I. *see* Gribkovskii, V.P. 9—59704
Ryabykh, Yu.I. *see* Peterkop, R.K. 9—54972
Ryan, A., Dallos, P., McGee, T. Psychophysical tuning curves and auditory thresholds after hair cell damage in the chinchilla 9—96564
Ryan, A.B. *see* Smyth, W.R. 9—84249
Ryan, E.P. *see* Curtain, R.F. 9—57520
Ryan, G.R. The genesis of Proterozoic uranium deposits in Australia 9—84270
Ryan, J.A., Henry, R.M. Mars atmospheric phenomena during major dust storms as measured at surface 9—84708
Ryan, J.C. *see* Gilliam, T.H. 9—96705
Ryan, J.S., Pal, S.R., Carswell, A.I. Laser backscattering from dense water-droplet clouds 9—53513
Ryan, J.W. *see* Clark, T.A. 9—88920
Ryan, K.R. *see* Plumb, I.C. 9—61848
Ryan, L.W., Jr. *see* Jako, G.J. 9—79604
Ryan, M.E., Dutta, A. Kinetics of epoxy cure: A rapid technique for kinetic parameter estimation 9—70327
Ryan, M.P., Jr. *see* Rosenbaum, M. 9—58607
Ryan, P.M. *see* Menon, M.M. 9—76238
Ryan, P.M. *see* Stirling, W.L. 9—68117
Ryan, R.M. *see* Wendth, A.J. 9—92398
Ryan, S.R., Spezeski, J.J., Kalman, O.F., Lamb, W.E., Jr., McIntyre, L.C., Jr., Wing, W.H. Time-of-flight study of H(2S) and D(2S) produced by electron impact on H_2, D_2, and HD: Evidence for predissociation 9—86079
Ryan, T.G. *see* Davies, D.E. 9—99541
Ryan, T.G. *see* Lorenzo, J.P. 9—70185
Ryan, W. *see* Heckroodt, R.O. 9—52789
Ryazanov, A.V. *see* Bondarenko, A.V. 9—55582, 9—99010
Ryazanov, D.K. *see* Zakharova, V.P. 9—80965
Ryazanov, N.A. *see* Timoshenko, N.N. 9—87770
Ryazanov, N.S., Frish, S.E. Interferometers for measuring anomalous dispersion by the interference fringe 9—93211
Ryazanov, N.S. *see* Razumovskaya, L.P. 9—75578
Ryazanov, V.V. *see* Dolinskii, A.A. 9—68561
Ryazantsev, Yu.S. *see* Berman, V.S. 9—64798
Ryazantsev, Yu.S. *see* Gupalo, Yu.P. 9—64738, 9—68798, 9—86489
Ryazantseva, I.P. *see* Troitskii, V.S. 9—84724
Ryazantseva, O.L. *see* Sena, L.A. 9—55604
Ryazantseva, S.V. *see* Bogdanova, I.P. 9—72428
Ryba-Romanowski, W., Jezowska-Trzebiatowska, B., Sarzynski, J., Nowak, J., Nowak, A. Effect of glass composition on the relaxation of the $^4I_{13/2}$ level of erbium ions in borate and silicate glasses 9—87476
Rybach, L. The relationship between seismic velocity and radioactive heat production in crustal rocks: an exponential law 9—70793
Rybak, A.I. *see* Chetkina, L.A. 9—86783
Rybak, S.A. *see* Avilova, G.M. 9—94548
Rybak, S.A. *see* Lobanov, E.V. 9—63056
Rybakov, A.I. *see* Dolgachev, V.P. 9—92657
Rybakov, A.K., Simakina, E.G. Distribution of meteoric material near planets of the terrestrial group based on data of mathematical modeling 9—96976
Rybakov, L.A. *see* Velikhov, E.P. 9—71955
Rybakov, N.K. *see* Limarov, V.T. 9—66246
Rybakov, V.G. *see* Bozhko, N.I. 9—97936
Rybakova, N.A. *see* Kalinin, B.N. 9—68123
Rybakova, Yu.A. *see* Kleshchev, A.S. 9—96090
Rybalchenko, L.F. *see* Fogel, N.Ya. 9—95546
Rybal'chenko, Yu.I. *see* Kabkov, G.Ya. 9—80584
Rybalko, A.F. *see* Masharov, S.I. 9—66038
Rybalko, A.S. *see* Eselson, B.N. 9—55985
Rybalko, F.P. *see* Gotlib, B.M. 9—52263
Rybaltovskii, A.O. *see* Gur'yanov, A.N. 9—64345
Rybaltovsky, A.O. *see* Dianov, E.M. 9—94356
Rybanov, G.L. *see* Yuzhakov, I.V. 9—87782
Rybansky, M. *see* Chrenka, L. 9—53601
Rybansky, M. *see* Minarovjech, M. 9—80233
Rybansky, M. *see* Rusin, V. 9—66985, 9—84757
Rybas, N.B. *see* Gordeeva, L.T. 9—70227
Rybicki, G.B. *see* Flannery, B.P. 9—53871
Rybicki, G.B. *see* Sarazin, C.L. 9—70947
Rybicki, K. *see* Becker, H. 9—54363, 9—63533
Rybicki, K. *see* Gorlich, L. 9—71766
Rybin, A.M. *see* de Wolf, E.A. 9—49543
Rybin, R.A. *see* Alferov, N.S. 9—90243
Rybin, V.I. *see* Yuzhakov, I.V. 9—87782
Rybin, V.N. *see* Alekseev, V.N. 9—64235
Rybinski, J. *see* Wlodarski, W. 9—95524
Rybkin, E.P. *see* Strobel, W. 9—94579
Rybnicek, J. Corpuscular diagnostics of a hollow cathode discharge. II. Limit angle of inelastic scattering of ions by atoms 9—55454
Rybnikar, F., Hoffmann, J., Mladek, M. Structure and morphology of poly(2,3-dichlorobutadiene) 9—65008
Rybnikova, V.Yu. *see* Kozlov, V.I. 9—80125
Rybolt, T.R., Pierotti, R.A. Rare gas-graphite interaction potentials 9—65312
Rybolt, T.R. *see* Levy, A.C. 9—73395
Rychkov, A.A., Novitskaya, G.M. Modification of AIMA-5 machine for testing rupture strength under cyclic loading 9—52506
Rychkov, A.A. *see* Novitskaya, G.M. 9—52341
Rychkov, A.D. *see* Glazunov, A.A. 9—68820
Rychkov, A.I. Attachment for a rotary viscometer with a weight-driven rotor 9—50822
Rychtelski, A. *see* Olejniczak, W. 9—97951
Ryckewaert, A. *see* Maziere, B. 9—83902
Ryckewaert, G. *see* Jongen, Y. 9—54676, 9—72116
Rycroft, M.J. *see* Kulkarni, V.H. 9—60150
Ryde, H. *see* Hammaren, E. 9—63576
Ryde-Weller, A. *see* Marples, V. 9—81617
Ryder, J.T. *see* Van Orden, J.M. 9—100248
Ryder, P.L. *see* Becker, R. 9—52561

Rydgren, A.E. *see* Kunkel, W.E. 9−62876
Rydholm, R. *see* Almgren, M. 9−61910
Rye, B.J. Antenna parameters for incoherent backscatter heterodyne lidar 9−72613
Rye, P.J. Kelvin-Helmholtz waves under the subtropical jetstream 9−66781
Ryhming, I.L. On temperature and heat source distributions in sliding contact problems 9−98588
Ryk, J. *see* Hoover, J. 9−68044
Rykaczewski, H. *see* Barber, D. 9−54289, 9−54346
Rykaczewski, H. *see* Barber, D.P. 9−89175, 9−97631
Rykalin, N.N., Shorshorov, M.Kh., Fedorov, V.B., Kovalenko, A.A. Metastable phase diagrams of Me-C at high temperatures and pressures 9−56955
Rykalin, V.I. *see* Monich, V.A. 9−54746
Rykalin, V.I. *see* Vasil'chenko, V.G. 9−93869, 9−97942
Rykalov, N.K. *see* Krumin', Yu.L. 9−77284
Rykhlyuk, A.V. *see* Zubareva, A.M. 9−68124
Rykov, A.G. *see* Druin, V.A. 9−59101
Rykov, G.V. *see* Glukhov, Yu.M. 9−88345
Rykov, S.V. Laboratory mixer 9−71434
Rykov, V.A., Sanin, A.L. Viscous waves damping in a drifting plasma 9−55500
Rykov, V.A., Skobelkin, V.N. Macroscopic description of the motions of a gas with rotational degrees of freedom 9−86465
Rykov, V.A. *see* Larina, I.N. 9−64705
Rykov, V.A. *see* Zybin, V.A. 9−100659, 9−100680
Rykov, V.G. *see* Boguslavskii, V.A. 9−76543
Rykova, I.I. *see* Klyavin, O.V. 9−69112
Rykova, T.S. *see* Borisova, Z.U. 9−65001
Rylander, R.L. *see* Mueller, R.K. 9−59826
Rylkov, V.V., Litke, S.V., Filippov, M.M., Stolyarov, O.I., Vus, M.A. Spectroscopic studies of a UHF discharge in argon 9−99016
Ryll-Nardzewski, J. *see* Kulik, A. 9−94571
Ryl'nikov, A.S. *see* Fyodorov, V.V. 9−85931
Rylov, V.S. *see* Dudinov, V.N. 9−96925
Ryltsov, V.V. *see* Zhurkin, V.V. 9−89313
Ryman, B.E. *see* Osborne, M.P. 9−96649
Rymarz, C. Gradient models of non-local media 9−90126
Rymes, M. *see* Cecil, F.E. 9−67706
Rymuza, Z. Ferrography−a new method for wear evaluation 9−79197
Rymuza, Z. Hydrodynamic lubrication in precision pivot bearing 9−91803
Rymyantsev, V.D. *see* Alferov, Zh.I. 9−70451
Rynes, P. *see* Beretvas, A. 9−89179
Rynes, P.E. *see* Daly, R.T. 9−89558
Ryoichi Seki, Kellogg, W.K. How much information of π^--nucleus optical potential can π^--mesonic atom data provide? 9−85559
Ryon, A.D. *see* Notz, K.J. 9−89482
Rys, P. *see* Pahutova, M. 9−70126, 9−96085
Ryschkewitsch, M., Ruppeiner, G., Meyer, H. Thermal transport in ^{3}He-^{4}He mixtures in the region of the tricritical point 9−51363
Ryschkewitsch, M.G., Meyer, H. Concentration susceptibility of ^{3}He-^{4}He mixtures near the superfluid transition 9−56006
Rysev, A.M. *see* Efimov, I.A. 9−76101
Rys'eva, Yu.I. *see* Chernyshova, S.P. 9−52497
Rysiakiewicz, E. *see* Gebala, St. 9−86825
Ryska, A. *see* Bischof, J. 9−60970
Ryska, A. *see* Malek, Z. 9−70699
Ryskamp, J.M. *see* Amorim, E.S. 9−80988
Ryskin, A.I., Vasilev, A.V., Natadze, A.L. Stress-induced alignment of Jahn-Teller centres Cr^{2+} in ZnSe crystals. Optical study 9−78651
Ryskin, M.G. *see* Anisovich, V.V. 9−54325
Ryswyk, A.L.Van *see* Van Ryswyk, A.L.
Rysz, J. *see* Kielbasa, J. 9−68879
Ryter, C. *see* Serra, G. 9−88742
Rytomaa, T. *see* Stenstrand, K. 9−70587
Rytova, N.S., Fistul', V.I. Assessing the contamination level of semiconducting materials 9−51134
Rytsola, K. *see* Hautojarvi, P. 9−55952
Rytus, N.N. *see* Ionov, A.M. 9−70012
Ryufuku, Y., Watanabe, T. Charge transfer cross sections for collisions of Li^{3+}, Be^{4+}, B^{5+}, and C^{6+} ions with atomic hydrogen 9−72415
Ryuger, Kh. *see* Vertogradov, A.S. 9−68131
Ryuger, Kh. *see* Vertogradov, L.S. 9−68166
Ryutov, D.D., Stupakov, G.V. Diffusion of resonance particles in ambipolar plasma traps 9−86601
Ryutov, D.D. *see* Pozzoli, R. 9−98906
Ryutov, V.D. *see* Velikhov, E.P. 9−71955
Ryvkin, B.S. Photoconductivity of a plane-parallel semiconductor plate subjected to laser illumination 9−93221
Ryvkin, B.S. *see* Agafonov, V.G. 9−69414
Ryvkin, B.S. *see* Dias, P. 9−72705
Ryvkin, S.M. *see* Belyakov, L.V. 9−74276
Ryzhanskii, V.A., Mineev, V.N., German, V.N., Popov, N.N., Vashchenkov, V.P. Influence of α-ω transformations on strength of VT-14 annealed titanium alloy in uniaxial dynamic extension 9−52200
Ryzhechkin, S.A. *see* Lavrovskii, L.A. 9−55133
Ryzhei, Yu.E., Kheifets, E.I., Shenderov, E.L. Pulsed optical registration of sound fields 9−90102
Ryzhenko, I.A., Tsyrul'nikov, A.S. Influence of temperature, geostatic and stratal pressure on the permeability of coal to gas 9−66695
Ryzhenko, I.A. *see* Merzlyakov, E.I. 9−81962
Ryzhenko, L.I. *see* Khomenyuk, Yu.V. 9−74986
Ryzhik, A.B. Critical spark-ignition conditions for gas suspensions of metal powders 9−100373
Ryzhikov, A.B. *see* Klimin, A.N. 9−94181
Ryzhikov, B.D., Levshin, L.V., Senatorova, N.R. Long-wavelength concentration shift in the luminescence spectra of dye molecules 9−64032
Ryzhikov, B.D. *see* Senatorova, N.P. 9−54885
Ryzhikov, V.A. *see* Kolesova, V.A. 9−66088
Ryzhikova, I.K. *see* Devdariani, A.Z. 9−94075
Ryzhkin, I.A. Dislocation conduction process at low temperatures 9−99551
Ryzhkov, A.I. *see* Dmitriev, V.G. 9−64285
Ryzhkov, M.V. *see* Gubanov, V.A. 9−65921
Ryzhkov, V.A. *see* Kandyba, P.E. 9−56400
Ryzhkov, V.G. *see* Troitskii, O.A. 9−57002, 9−91761
Ryzhkov, V.I. *see* Bugaev, V.N. 9−51100
Ryzhkova, M.V. *see* Ardasheva, M.M. 9−77299
Ryzhov, N.V. *see* Zhernov, V.S. 9−76108
Ryzhov, O.S. *see* Ni, A.L. 9−64797
Ryzhov, O.S. *see* Zhuk, V.I. 9−86458
Ryzhov, V.N. Structural instability in one-dimensional orthohydrogen 9−86885
Rzaev, P.F. *see* Shakhbazov, Sh.D. 9−83625
Rzazewski, K. Soluble model of thermodynamics for matter plus radiation system with quadrupole interactions 9−49181
Rzepa, H.S. *see* Rafalko, J.J. 9−72239
Rzepka, E., Lefrant, S., Taurel, L. First-order Raman spectra of NaCl containing sodium colloids 9−73943
Rzepka, E. *see* Ghomi, M. 9−56791
Rzepka, E. *see* Lefrant, S. 9−91429
Rzewuski, H. *see* Suski, J. 9−51151
Rzhanov, A.V., Neizvestny, I.G. Germanium MIS structures 9−82680
Rzhanov, Yu.A. *see* Kvon Ze Don 9−95467
Rzhevkin, K.S. *see* Damgov, V.N. 9−73569
Rzyaev, D.A. *see* Ismailzade, I.H. 9−82932
S, G.Aguilar *see* Aguilar S, G.
S, H.Murieta *see* Murieta S, H.
Sa Barreto, F.C., Pires, A.S.T., Blinc, R. Order parameter fluctuation spectrum and central peak in partially deuterated H-bonded ferroelectrics 9−61316
Sa Barreto, F.C. *see* Blinc, R. 9−65752
Sa-yakanit, V. Electron density of states in a Gaussian random potential: Path-integral approach 9−69389
Sa-yakanit, V. The Feynman effective mass of the polaron 9−69440
Saab, A., Granier, J.P., Nguyen van Chi, G. Development of numerical models for the representation of mass transfer in the atmosphere 9−84398
Saad, A., Swanson, J.G. The plasma anodization of thin aluminium films to exhaustion on silicon and GaAs substrates 9−83388
Saad, E.A. *see* El Wakil, S.A. 9−54467
Saada, G. Elastic field of dislocation networks and grain boundaries 9−60362
Saag, P.T.van der *see* van der Saag, P.T.
Saakyan, G.S. *see* Grigoryan, L.Sh. 9−96907
Saakyan, S.H. *see* Melikyan, A.O. 9−76763
Saam, W.F. Quasiparticle theory of the surface tension of liquid ^{3}He and dilute solution of ^{4}He in ^{3}He 9−56012
Saam, W.F. *see* Laheurte, J.P. 9−56014
Saar, D., Brauner, J., Farber, H., Petrucci, S. Ultrasonic and microwave dielectric relaxation of liquid dialkyl carbonates 9−56717
Saari, D.P., Smyth, R.R., White, L.R. Progress in the testing of materials and design concepts for directly-fired MHD air heater service 9−52949
Saari, P. *see* Tamm, T. 9−85999
Saari, P.M., Tamm, T.B. Vibrational relaxation of an anthracene molecule trapped in a matrix 9−85986
Saari, P.M. *see* Aaviksoo, Ya.Yu. 9−61377
Saarikko, H. A study of the inclusive reactions $\pi^+p\rightarrow\rho^0+X^{++}$ and $\pi^+p\rightarrow f+X^{++}$ at 8 GeV/c 9−93457
Saarikko, H. *see* Blietschau, J. 9−93396
Saarikko, H. *see* Cochet, C. 9−80854
Saarimaa, R. A laser Doppler velocimeter for surface velocity measurement 9−63193
Saarloos, W.Van *see* Van Saarloos, W.
Saathoff, W. *see* Bolger, J. 9−85532
Saathoff, W. *see* Dehnhard, D. 9−63700
Saathoff, W. *see* Wust, P. 9−67709
Sabacky, B.J., Evans, J.W. Electrodeposition of metals in fluidized bed electrodes. I. Mathematical model 9−100062
Sabacky, B.J., Evans, J.W. Electrodeposition of metals in fluidized bed electrodes. II. An experimental investigation of copper electrodeposition at high current density 9−100063
Sabadini, R., Bonafede, M., Boschi, E. A thermomagnetoelastic model of the earthquake source mechanism 9−70758
Sabaev, E.F. *see* Budnikov, V.I. 9−97749
Sabalyanskas, L.Yu. Classification of the states of a system of fermions with spin 1/2 using the chain of subgroups of the unitary scheme 9−63597
Sabalyauskas, L.Yu. *see* Petrauskas, A.K. 9−63627
Sabatier, P.C. Introduction to applied inverse problems 9−49018
Sabatier, P.C. Comment on 'The use of a priori data to resolve non-uniqueness in linear inversion' by D.D. Jackson 9−84502
Sabatier, P.C. *(editor)* Applied inverse problems 9−49017
Sabatier, R., Charroin, G., Avignant, D., Cousseins, J.C., Chevalier, R. The crystal structure of potassium fluorotitanate 9−69068
Sabbadin, F., Bianchini, A. Optical identification of supernova remnants in M33 9−62894
Sabbadin, F., Bianchini, A. The planetary nebula He 1-3 9−62895
Sabbadin, F., Bianchini, A. The peculiar planetary nebula M4-18 9−84846
Sabbadin, F., Bianchini, A. The planetary nebula M1-76 9−84847
Sabbadin, F., Bianchini, A. Emission nebulae in NGC 4449 9−84848
Sabbagh, H.A. Transient scattering of a piezoelectric wave from a crack 9−52615
Sabbah, H.N. *see* Blick, E.F. 9−79580
Sabbah, H.N. *see* Stein, P.D. 9−84027
Sabbata, V.De *see* De Sabbata, V.
Sabberwal, S.P., Mathur, S.S. Some aspects towards the performance evaluation and ensuing design components of solar collector systems 9−62060
Sabberwal, S.P. *see* Sodha, M.S. 9−70432
Sabelfeld, K.K. *see* Tatarskii, V.I. 9−98278
Sabel'nikov, A.G., Il'yashenko, B.N. Structural rearrangements in the membranes of Escherichia coli in the presence of Ca^{2+} cations induced by heating 9−79482
Sabel'nikov, V.A. *see* Kozlov, V.E. 9−68690
Sabety-Dzvonik, M.J. *see* Cody, R.J. 9−52725
Sabev, C. *see* Gyles, W. 9−85534
Sabev, C. *see* Johnson, R.R. 9−71872, 9−97653
Sabev, C. *see* Sperry, W.C. 9−94111
Sabin, J.R. *see* Ondrechen, M.J. 9−97964
Sabina, F.J., Herrera, I., England, R. Theory of Connectivity: applications to scattering of seismic waves. I. SH wave motion 9−88306
Sabine, P.V.H. *see* Johansen, E. 9−59806
Sabine, T.M., Gammon, R.B., Willrath, H. Calorimetric measurement of absorption and emissivity 9−62098
Sabirov, R.Kh. Green-function calculation of the effect of exchange interaction of magnetic ions on the Mossbauer spectrum 9−95696
Sabisky, E.S., Weakliem, H.A. An operating development model spacecraft hydrogen maser 9−54105
Sablik, M.J., Wang, Y.L. Magnetic excitons in a type II antiferromagnet with bilinear and biquadratic coupling in a cubic crystal field 9−78353
Sablik, M.J., Wang, Y.L. Magnetic excitations in rare-earth antiferromagnets with bilinear and biquadratic pair couplings: application to DySb 9−78358
Sablikov, V.A., Sandomirskii, V.B. Electrocapillarity effects in semiconductor-liquid metal structures 9−73588
Sablin, V.K., Osipik, V.A., Fedoseev, V.I. Analysis of methods of taking account of raster distortions and instability in optoelectronic devices using electronic scanning 9−72697
Sablin-Yavorskii, A.D. *see* Baron, V.D. 9−70730
Sabnis, A.G. A simple static circuit model for low-high junctions 9−91132
Sabo, B.B. *see* Brooks, J.S. 9−51335, 9−77852
Sabo, J. *see* Spinella, G.M. 9−55899
Sabotinov, L.S. *see* Jordanov, J.D. 9−85602
Sabotinov, L.S. *see* Totev, T.L. 9−85695
Sabotinov, N.V. *see* Grozeva, M.G. 9−76675
Sabri, Z.A., Husseiny, A.A. Analytical modeling of nuclear power station operator reliability 9−85621
Sabri, Z.A. *see* Husseiny, A.A. 9−86588, 9−90418
Sabroux, J.C. *see* D'Amore, F. 9−74918
Saburi, T., Wayman, C.M. Crystallographic similarities in shape memory martensites 9−66102
Saburi, Y. Vanishing theorems of cohomology groups with coefficients in sheaves of holomorphic functions with bounds 9−49405
Sacchetti, F. On the electronic specific heat of transition metals 9−73323
Sacchetti, F. *see* Dupre, F. 9−51751, 9−73685
Sacchi, C.A. *see* Andreoni, A. 9−66449
Saccone, A. *see* Borzone, G. 9−91988
Saccone, A. *see* Delfino, S. 9−91621
Sacedon, J.L. *see* Soria, E. 9−77843

Sacedon, J.L. *see* Soria, F. 9—90832
Sacharidis, E.J. An interpretation of forward $\pi\pi \to A_2\pi$ in terms of ρ and f Regge exchanges 9—63531
Sacharova, S.G. *see* Cizek, A. 9—52040
Sachdeva, B.K., Jain, D.L., Kanwal, R.P. Comment on 'Scattering of P and S waves by spherical inclusions and cavities' [by D.L. Jain, R.P. Kanwal, with their reply] 9—81776
Sachdeva, R.C., Grover, O.P., Sastry, Y.V.S.R., Ballaney, P.L. A reciprocating device using solar energy 9—74505
Sachdeva, R.C., Preston, J.H. Three-dimensional boundary layer on a flat plate 9—72884
Sachdeva, R.C. *see* Kumar, K.L. 9—70419
Sachelarie, D., Bazu, M., Sachelarie, M. A mathematical model of the gold doped silicon step junction 9—87148
Sachelarie, M. *see* Sachelarie, D. 9—87148
Sachenko, A.A. *see* Mil'chenko, V.Yu. 9—75526
Sachenko, A.V. Influence of the excitation rate on the surface photoelectric effects in the case of inversion band bending 9—69547
Sacher, E. Dielectric properties of polyimide film. II. DC properties 9—69766
Sacher, E. *see* Loew, L.M. 9—68338
Sacher, G.A. *see* Braham, H.W. 9—88134
Sacher, R.S., Morrison, I.D. An improved CAEDMON program for the adsorption isotherms of heterogeneous substrates 9—77895
Sacherer, F. *see* Borer, J. 9—72151
Sacheti, N.C., Bhatt, B.S. Unsteady plane Poiseuille flow and temperature distribution of a viscoelastic fluid 9—60039
Sacheti, N.C. *see* Bhatt, B.S. 9—64707
Sachetti, N. *see* Rasotti, G. 9—67953
Sachl, V.F. *see* Bednar, M. 9—49074
Sachrajda, C.T. *see* Ellis, J. 9—63406
Sachrajda, C.T. *see* Floratos, E.G. 9—67501
Sachrajda, C.T. *see* Para, A. 9—97629
Sachs, E.M. In-situ carbon-silicon ribbon thermocouple 9—97386
Sachs, H., Lehmann, G. Correlation of zero-field splittings and site distortions. I. $MnCl_4^{2-}$ in approximately trigonal symmetry 9—56607
Sachs, M. On the ratio of neutral-to-charged pion lifetimes in general relativity 9—49513
Sachs, M., Young, E.D. Encoding of steady-state vowels in the auditory nerve: representation in terms of discharge rate 9—92230
Sachs, M.W. The computer in the nuclear science laboratory 9—72220
Sachse, W., Hsu, N.N., Eitzen, D.G. Visualization of transducer-produced sound fields in solids 9—55285
Sachse, W. *see* Rhodes, D.J. 9—72735
Sachtler, W.M.H., Van Santen, R.A. Surface composition of binary alloys 9—90849
Sack, B. *see* Brockmann, H. 9—67935
Sack, B. *see* Forster, S. 9—71970
Sackett, J.I., Dean, E.M., Larson, H.A. Experience with transient testing and simulation at EBR-II 9—54558
Sackett, W.M., Brooks, J.M., Bernard, B.B., Schwab, C.R., Chung, H., Parker, R.A. A carbon inventory for Orca Basin brines and sediments 9—88369
Sackett, W.M., Chung, H.M. Experimental confirmation of the lack of carbon isotope exchange between methane and carbon oxides at high temperatures 9—84263
Sackett, W.M. *see* Reid, D.F. 9—66713
Sackman, J.L. *see* Barez, F. 9—64562, 9—64604
Sackmann, E. *see* Rohde, A. 9—79307
Sackmann, H. The stand of the system of smectic liquid crystals by miscibility measurements 9—86678
Sackmann, S. *see* Luz, N. 9—72388
Sacks, I. *see* Maimoni, A. 9—85675
Sacks, I.S. *see* Suyehiro, K. 9—92489
Sacks, R.D., Ling, C.S. Short-time radiative processes in exploding metal foil plasmas 9—82083
Sacliogl u, C. Solutions to Euclidean gravity for infinitely many instantons 9—71312
Sacliogl u, C. *see* Hacinliyan, A. 9—71338
Sacovy, P. *see* Azam, N. 9—90558
Sacton, J. *see* Angelini, C. 9—67548
Sacton, J. *see* Morfin, J.G. 9—71740
Sacton, J. *see* Read, A.L. 9—49510
Sada, E., Yasunishi, A., Katoh, S., Nishioka, M. Bubble formation in flowing liquid 9—64741
Sadanaga, R. *see* Ohmasa, M. 9—99147
Sadananda, K., Shahinian, P. A fracture mechanics approach to high temperature fatigue crack growth in Udimet 700 9—52340
Sadananda, K., Shahinian, P. Crack growth in a directionally solidified $\gamma/\gamma'+\delta$ eutectic alloy under creep and fatigue 9—52361
Sadananda, K., Shahinian, P. Crack growth behavior in alloy 718 at 425°C 9—61731
Sadanandam, J., Suryanarayana, S.V. Thermal expansion of $NaTb(MoO_4)_2$ 9—77782
Sadashiva, B.K. Mesomorphic properties of a homologous series of substituted benzoyloxybenzoates 9—94888
Sadashiva, B.K. *see* Chandrasekhar, S. 9—86699
Sadasivam, S. *see* Kumar Doss, M.J. 9—96720
Sadeghi Mohammed Ali *see* Mohammed Ali Sadeghi
Sadek, H., Hafez, A.M., El-Hammamy, N.H. Conductance of S-alkyl-isothiouronium iodides in methanol-water mixtures at 25°C 9—95194
Sadena, D. *see* Kular, S.S. 9—79127
Sadha Satwindar Singh *see* Satwindar Singh Sadha
Sadhal, S.S., Plesset, M.S. Effect of solid properties and contact angle in dropwise condensation and evaporation 9—77867
Sadhal, S.S. *see* Plesset, M.S. 9—77234
Sadhukhan, P., Bell, A.T. Theoretical estimations of $\Delta H^\circ_{f,T}$, $\Delta S^\circ_{f,T}$, and $\Delta G^\circ_{f,T}$ for $Ca(O_2)_2$ 9—87869
Sadigh, K., Power, M.S., Youngs, R.R. Peak horizontal and vertical accelerations, velocities, and displacements on deep soil sites during moderately strong earthquakes 9—88305
Sadik, A.R. Light and colour curve observations and analysis of the short period eclipsing binary system UV Psc 9—88697
Sadikov, V.P. *see* Zhukov, V.A. 9—95416
Sadiq, A. Exact enumerations and Monte Carlo sampling of self-avoiding random walks 9—67228
Sadlej, A.J. Static dipole polarizability of the fluoride ion 9—76332
Sadlej, A.J. *see* Epstein, S.T. 9—59330
Sadlej, A.J. *see* Nerbrant, P.-O. 9—59329
Sadlej, A.J. *see* Wolinski, K. 9—59599, 9—76359
Sadlej, J. Interpretation of the IR and Raman spectrum of acetonitrile solutions of electrolytes in the CN-stretching region 9—73941
Sadler, D.H. Navigational almanacs for small computers and calculators 9—62726
Sadler, M.E., Arman, M., Brocherding, F., Briscoe, W.J., Fitzgerald, D.H., Glodis, P.F., Haddock, R.P., Matz, N., Nefkens, B.M.K., Seftor, C., Silverman, B. Accurate measurements of $\pi^\pm$+proton elastic scattering at LAMPF 9—85328
Sadlii, A.V. *see* Gribnyak, L.G. 9—60870
Sadokov, V.P., Kucherenko, I.K. Use of Haar series to construct difference schemes for solution of meteorological problems 9—58125
Sadokova, T.G. *see* Vil'yams, O.S. 9—57000, 9—79010
Sadovnikov, Yu.N. *see* Zakharova, K.P. 9—71920
Sadovoi, A.A., Golubev, A.I. Method of multidimensional angular Coulomb functions and many-electron theory of an atom 9—54756
Sadovskaya, L.Ya. *see* Ismailzade, I.H. 9—65805
Sadovskii, A.B. *see* Druzhinin, L.K. 9—76093
Sadovskii, B.F. *see* Zhulanov, Yu.V. 9—54244, 9—93096
Sadovskii, V.D. *see* Umova, V.M. 9—61582
Sadovskii, V.D. *see* Zel'dovich, V.I. 9—83194
Sadovskii, V.N. *see* Landa, P.S. 9—94794
Sadowski, A. *see* Nowotny, J. 9—60544
Sadowski, C.M. *see* Messing, I. 9—98135
Sadowski, E.S. *see* Sessoms, A.L. 9—63870
Sadowski, J.W. Studies of the automation of real-time optical measurements of small structures 9—85115
Sadowski, J.W., Kaukiainen, M. Studies of protrusion growth and inhibitor action in electrodeposition 9—96314
Sadowski, M. *see* Denus, S. 9—85166
Sadowsky, N.L. *see* Myers, P.C. 9—100691
Sadrozinski, H. *see* Chestnut, R. 9—89531
Sadybakasov, B.K., Antipin, M.Yu., Afanas'ev, V.A., Dzhamanbaev, Zh.A., Struchkov, Yu.T. Crystal and molecular structure of N'-methyl-N-β-D-xylosylurea 9—94995
Sadykhov, G.G. *see* Abbasov, A.A. 9—50567
Sadykhova, S.A. *see* Magerramov, E.M. 9—51634
Sadykov, A.S. *see* Alimov, A.K. 9—83885
Sadykov, E.K. *see* Bashkirov, Sh.Sh. 9—73873, 9—78593
Sadykov, T.Kh. *see* Baigubekov, A.S. 9—80171
Sadziuviene, S.D. *see* Boiko, V.A. 9—72230
Sadziuviene, S.D. *see* Savukynas, A. 9—63972
Saechnikov, V.A. *see* But'ko, A.I. 9—85989
Saedtler, S. *see* Felkel, L. 9—76098
Saegesser, F. Reflections on the use of electronics in medicine 9—70660
Saekeang, C., Chu, P.L. Nondestructive determination of refractive index profile of an optical fiber: backward light scattering method 9—64306
Saeki, M. *see* Bando, Y. 9—69060
Saeki, M. *see* Iwasaki, T. 9—88298
Saeki, S. *see* Nakanaga, T. 9—54851
Saeki, Y., Shiozawa, K., Yanagisawa, K. Electrical phenomenon in rabbit papillary muscle during Ba^{++}-induced contracture 9—83732
Saelee, H.T., Lucas, J. Electron drift velocity and momentum transfer cross-section in caesium vapour 9—82032
Saenko, G.P. *see* Kortov, V.S. 9—91571
Saenz, A.W. *see* Kelly, F.J. 9—76266
Saenz, R.A., Shapiro, S.L. Gravitational and neutrino radiation from stellar core collapse improved ellipsoidal model calculations 9—53802
Saermark, K., Lebech, J. Open orbit microwave size-effect in silver and observation of a new solid state resonance 9—51621
Saermark, K. *see* Braune, W. 9—78127
Saermark, K. *see* Surma, M. 9—65372
Safai, S., Herman, H. Plasma sprayed coatings: their ultramicrostructure 9—82500
Safar, Z.S. Frictional behaviour of non-Newtonian lubricants 9—87736
Safaraliev, G.I. Preparation and electrophysical properties of multiply doped compensated GaSb 9—87116
Safarov, G.P. *see* Rambidi, N.G. 9—93093
Safarov, N.Yu. *see* Allakhverdiev, K.R. 9—56804
Safarov, R.A., Tirskiy, G.A. Application of phenomenological models to analysis of turbulent boundary layers of homogeneous and inhomogeneous gases 9—98696
Safarov, V.G. *see* Magerramov, E.M. 9—51634
Safarov, V.I. *see* Berkovits, V.L. 9—69752
Safaryan, F.P. Calculation of probabilities of many-phonon nonradiative transitions between levels of the Nd^{3+} ion in yttrium aluminium garnet 9—95842
Safaryan, M.N. *see* Bystrova, T.V. 9—66300
Safavi-Naini, S. *see* Mittra, R. 9—64151
Safdar, M., Hussain, F., Naqvi, A.A., Alam, M., Zaffar, M. Magnetic susceptibility of binary glasses. II. Effect of annealing and base composition 9—91811
Saffman, P.G. The approach of a vortex pair of a plane surface in inviscid fluid 9—68721
Saffman, P.G. *see* Chen, B. 9—77153
Safiani El Ghali Oudrhiri *see* El Ghali Oudrhiri Safiani
Safin, M.Ya. *see* Kerimov, B.K. 9—75976
Safina, E.B. *see* Grigor'ev, S.B. 9—90733
Safinya, C.R. *see* Davidov, D. 9—73297
Safinya, C.R. *see* Litster, J.D. 9—95129
Saflekos, N.A., Potemra, T.A., Kintner, P.M., Jr., Lauer Green, J. Field-aligned currents, convection electric fields, and ULF-ELF waves in the cusp 9—75043
Safonov, A.A. *see* Kats, L.I. 9—82620
Safonov, A.N. Approximate calculation of electric fields for accelerator structures of the dee type 9—85844
Safonov, E.V., Shalimova, A.V. Orientational relation of phases under various structural-kinetic types of polymorphous transformations 9—90590
Safonov, M.P. *see* Sheretov, E.P. 9—58842
Safonov, N.A. *see* Postnikov, V.S. 9—71442
Safonov, V.A., Vainer, I.G. Cooling of photoreceivers 9—93218
Safonov, Y.S. *see* Gorelik, S.S. 9—87662
Safonova, L.S., Kal'venas, S.P., Puchinskas, A.A. Investigation of the kinetics of the switching effect and electrothermal memory in a semiconductor-cryogenic liquid system 9—51641
Safran, S.A., Dresselhaus, G., Silberstein, R.P., Lax, B. Raman scattering in EuSe and EuTe near magnetic phase transitions 9—61373
Safran, S.A., Hamann, D.R. Long-range elastic interactions and staging in graphite intercalation compounds 9—60306
Safran, S.A. *see* Silberstein, R.P. 9—61374
Safranova, U.I. *see* Zapryagaev, S.A. 9—63939
Safronov, A.A. *see* Sivets, V.N. 9—76925
Safronov, A.I., Vasanova, L.K., Syromyatnikov, N.I. Heat transfer in a liquid fluidized bed with a turbulent jet injected at the wall 9—72940
Safronov, A.N. *see* Blokhintsev, L.D. 9—75927
Safronov, B.V. *see* Druzhinin, L.K. 9—76093
Safronov, I.N. *see* Grishin, S.D. 9—71561
Safronov, L.N., Smirnov, L.S. Radiative recombination involving silane molecules in silicon 9—73998
Safronov, V.I. *see* Bautin, A.V. 9—81472
Safronov, V.P. *see* Zarochentsev, E.V. 9—69179
Safronov, V.S., Kozlovskaya, S.V. Heating of the Earth by the impact of accreted bodies 9—74868
Safronov, Yu.P., P'yanko, T.A. Possibility for the automatic recognition of low-temperature stars among high-temperature by means of IR systems 9—75118
Safronova, A.S. *see* Boiko, V.A. 9—72230, 9—93948
Safronova, J.I., Senashenko, V.S. Resonance photoionization of multiply charged heliumlike ions 9—54818
Safronova, U.I. Equivalency of approaches to the calculation of oscillator strengths in the length and velocity forms 9—72275
Safronova, U.I., Senashenko, V.S. The width of autoionization states of three-electron systems 9—49993
Safronova, U.I., Senashenko, V.S., Khristenko, S.V. Calculation of matrix elements of dipole $K\text{-}L_{23}$ transitions 9—76368
Safronova, U.I. *see* Burceva, L.A. 9—89644
Safronova, V.I. *see* Bogdanovich, P.O. 9—54781
Saf'yanov, Yu.N., Kuz'min, E.A., Belov, N.V. Determination of the crystal structure of yttrium decavanadate $Y_2V_{10}O_{28}.24H_2O$ by means of vector subsystems 9—60340
Saf'yanov, Yu.N., Kuz'min, E.A., Belov, N.V. Crystal structure of lanthanum decavanadate $La_2V_{10}O_{28}.2OH_2O$ 9—86772
Sagadeyev, V.I. *see* Alemasov, V.Ye. 9—94700

Sagalevich, V.M., Goritskii, V.N. Some special features of the deformation of thin hemispheres during the making of circular joints 9—90155
Sagalova, T.B. *see* Gorelik, S.S. 9—87662
Sagalovich, B.M., Tsukanova, V.N. Age attributes of the human discrimination of acoustic stimulus rise times 9—92234
Sagalyn, R.C. *see* Ahmed, M. 9—53645
Sagalyn, R.C. *see* Burke, W.J. 9—62670, 9—62671, 9—101015
Sagalyn, R.C. *see* Rich, F.J. 9—70917
Sagan, C. Sulphur flows on Io 9—92703
Sagan, C. *see* Johnson, T.V. 9—92702
Sagane, H., Oki, K. Equilibria on the ordered phase Fe_3Al 9—70042
Sagar, B. Galerkin finite element procedure for analyzing flow through random media 9—81967
Sagara, N., Odanaka, T., Arimizu, T. Invariant imbedding and the identification of aquifer parameters 9—57992
Sagara, Y. *see* Uemura, O. 9—77485
Sagaradze, V.V., Ozhiganov, A.V., Shabashov, V.A., Kabanova, I.G. Singularities of the $\alpha \rightarrow \gamma$ transformation and hardening of metastable alloys with various martensite morphologies 9—52210
Sagaradze, V.V., Shabashov, V.A., Titorov, D.B., Kabanova, I.G., Yurchikov, E.E. Influence of plastic deformation on the structure, texture, and concentration variations during the $\alpha \rightarrow \gamma$ transformation in the alloy N32 9—66050
Sagaradze, V.V., Shabashov, V.A., Yurchikov, E.E. Mossbauer investigation of the homogenisation of an iron-nickel alloy during the $\alpha \rightarrow \gamma$ transformation 9—52197
Sagaradze, V.V. *see* Zemtsova, N.D. 9—69669
Sagatov, E.S. *see* Kakhramanov, K.Sh. 9—95429
Sagawa, H., Suzuki, T., Hyuga, H., Arima, A. Effects of core polarization and exchange currents on the form factors of magnetic transitions in ^{12}C 9—75899
Sagawa, H. *see* Hamamoto, I. 9—85405
Sagawa, K. *see* Ikeda, M. 9—57659
Sagawa, M., Yamagishi, W., Okada, M., Henmi, Z. Rare earth-cobalt permanent magnets with improved mechanical properties 9—87593
Sagawa, N. *see* Yamamoto, H. 9—63732, 9—97747
Sagawa, T. *see* Utsumi, A. 9—50467
Sagaydak, R.N. *see* Druin, V.A. 9—59101
Sagdeev, R.S. *see* Dubrovkin, I.M. 9—87901
Sagdeev, R.Z. The 1976 Oppenheimer lectures. Critical problems in plasma astrophysics. II. Singular layers and reconnection 9—60106
Sagdeev, R.Z. The 1976 Oppenheimer lectures. Critical problems in plasma astrophysics. I. Turbulence and nonlinear waves 9—60142
Sagdeev, Ren.Z. *see* Podoplelov, A.V. 9—59604
Sagdeyev, R.Z. *see* Vainer, L.M. 9—52631
Sage, K.A., George, J., Uberall, H. Multipole resonances in sound scattering from gas bubbles in a liquid 9—81606
Sage, M.L., Jortner, J. Resonance structure and background absorption in high-overtone molecular spectra 9—54833
Sage, M.L., Wali, K.C. Computation of a class of 3j-coefficients 9—49076
Sage, M.L. *see* Schek, I. 9—59518, 9—76404
Sagehashi, I. *see* Yoshida, Y. 9—80228
Sagel, S.S. *see* Karstaedt, N. 9—92364
Sager, E.V. *see* Bechis, D.J. 9—63401
Sager, G. Addendum to: Approximations through the distribution function $y=(a/x)\exp[-c(\ln x-b)^2]$ 9—80417
Sager, J.C., Goldberg, B., Klein, W.H. Flat plate collector dynamic evaluation 9—62044
Sager, W.D. *see* Ladurner, G. 9—53212
Sagerman, R.H. *see* Woon Sang Yu 9—88160
Sagert, N.H., Quinn, M.J. The coalescence of n-hexane droplets in aqueous electrolyte solutions 9—64742
Sagert, N.H., Quinn, M.J. The coalescence of n-hexane droplets in aqueous solutions of n-alcohols 9—87882
Saget, P. *see* Laurence, G. 9—61754
Saghai, B. *see* Balestri, B. 9—75794, 9—85530
Saghal, P.N. *see* Singh, R. 9—62106
Sagitov, S.I. *see* Danilychev, V.A. 9—59779
Sagle, A. *see* Igo, G. 9—80916
Sagnes, G. *see* Grill, C. 9—78036
Sagretti, C. *see* Turchetti, G. 9—49094
Sagu, M.L. *see* Chaudhuri, N.K. 9—76300
Sah, C.T. *see* Shiue, C.C. 9—69602
Sah, M. *see* Gaur, V.P. 9—75188
Sah, M.P. *see* Thakur, M.L. 9—51555
Sah, R.C. *see* Garren, A.A. 9—72068
Sah, R.C. *see* Lauritzen, T. 9—68061
Sah Chih-Tang *see* Chih-Tang Sah
Saha, A., Fortune, H.T. Q and A dependence of rare-earth (p,t) strengths 9—63675
Saha, A., Jones, G.D., Put, L.W., Siemssen, R.H. Usually strong excitation of the 1.59 MeV O^+ state in the $^{100}Mo(d, {}^6Li)^{96}Zr$ reaction 9—49584
Saha, A., Scholten, O., Hageman, D.C.J.M., Fortune, H.T. Two neutron transfer in samarium isotopes and IBA model predictions 9—85474
Saha, A. *see* Kunz, P.D. 9—85439
Saha, A.K., Gupta, K., Mitra, A.P. Model electron density distributions for ionosphere over Delhi 9—88536
Saha, A.K. *see* Venkatachari, R. 9—84573
Saha, B. *see* Sen, A.K. 9—67258, 9—101001
Saha, B.C. *see* Ray, P.P. 9—76509
Saha, B.C. *see* Sil, N.C. 9—59564
Saha, G., Bandyopadhyay, K., Bondyopadhyay, R. A study of the hot galactic halo 9—58429
Saha, H., Basu, P., Mukhopadhyay, K. Role of the diode exponential factor in CdS solar cells 9—61990
Saha, H.P. *see* Sil, N.C. 9—59564
Saha, S. Surface waves due to a pressure strip travelling with uniform velocity 9—59996
Saha, S., Wong, F., Romond, D., Aversa, J. Compressive strength of MP joint and its relationship to subchondal bone density 9—92286
Saha, S. *see* Kulas, R.H. 9—92287
Saha, S. *see* Lates, R. 9—74712
Saha, S.K., Wong, G.K. Investigation of nematic ordering using electric-field-induced second-harmonic generation 9—60263
Saha, S.K., Wong, G.K. Phase-matched electric-field-induced second-harmonic generation in a nematic liquid crystal 9—86214
Saha, S.K. *see* Sen, A.K. 9—67258, 9—84577
Sahade, J. Astronomy and its progress in the space age 9—62719
Sahade, J. *see* Hernandez, C.A. 9—58378, 9—71069
Sahai, Y. *see* Takahashi, H. 9—80067
Sahakundu, S.M., Qaim, S.M., Stocklin, G. Cyclotron production of short-lived ^{30}P 9—76236
Sahakundu, S.M. *see* Bhargava, V.K. 9—67785
Sahakundu, S.M. *see* Marathe, S.G. 9—49642
Sahakundu, S.M. *see* Rao, V.K. 9—59005
Saharia, A.N., Kisslinger, L.S. Pion true-absorption in the isobar-doorway-model 9—85420
Saharia, A.N., Woloshyn, R.M. Energy dependence of the $^{13}C(\pi^+,\pi^0)^{13}N$ cross section 9—76028
Sahasrabudhe, P.W. *see* Radhakrishnamurty, C. 9—84521
Sahdev, D. *see* Mikaelian, K.O. 9—97640
Saheki, K. *see* Morimoto, Y. 9—86101
Sahin, S. Solar energy power generators with hybrid thermionic converters 9—92086
Sahini, V.E. *see* Hillebrand, M. 9—72241
Sahl, K. *see* Klingenberg, R. 9—94972
Sahni, P.R. *see* Jose, J.V. 9—73742
Sahni, V., Gruenebaum, J. Rayleigh-Ritz variational calculations of real-metal-surface properties 9—69570
Sahni, V. *see* Ma, C.Q. 9—60897
Sahni, V. *see* Perdew, J.P. 9—65536
Sahni, V.C. *see* Roy, A.P. 9—61357
Saho-Chi Lin, Levatter, J.I. X-ray preionization for electric discharge lasers 9—64205
Sahoo, M. *see* Vnuk, F. 9—52354
Sahoo, N., Tripathi, R.K. Equation of state for hot nuclear matter 9—63619
Sahota, M.S., Pagni, P.J. Heat and mass transfer in porous media subject to fires 9—86507
Sahu, K.C., Veeraiah, T., Subba Rao, K. Debye temperature for liquid metals 9—99289
Sahyouni, M. *see* Olson, T. 9—50465
Sahyun, M.R.V. Electrochemical models of photographic development—A review 9—52697
Sahyun, M.R.V. Some aspects of diffusion transfer chemistry 9—96340
Sai-Halasz, G.A. Semiconductor superlattices 9—95490
Sai-Halasz, G.A. *see* Botez, D. 9—98486
Saibel, E. *see* Ciftan, M. 9—87761
Saichev, A.I. A statistical version of the analysis of two-point boundary-value problems 9—63154
Saichev, A.I. Relationship between statistical characteristics of transmitted and reflected waves in a medium with large-scale irregularities 9—81364
Saichev, A.I. *see* Gurbatov, S.N. 9—81601
Saichev, A.I. *see* Muzychuk, O.V. 9—71260
Saidkhanov, A.S. *see* Karpinskas, S.Ch. 9—51673
Saidkhanov, N.Sh. *see* Azimov, S.A. 9—80836
Saidoh, M. *see* Tashiro, T. 9—61442
Saidoh, M. *see* Yamada, R. 9—65124, 9—100004
Saidov, D., Marupov, R.M., Habibulloev, H., Malishev, V.M. Spectroscopic study of overstrained chemical bonds in polymers at photomechanical processes 9—52706
Saidov, G.V., Bernshtein, E.V., Zolotarev, V.M. Determination of optical constants of a surface layer of polytetrafluoroethylene in the 1000-1300-cm^{-1} region 9—51957
Saidov, M.S., Shamuratov, Kh.A., Umurzakov, A. Current-voltage and brightness-current characteristics of silicon carbide light-emitting diodes under prebreakdown conditions 9—51667
Saidov, M.S., Shamuratova, Kh.A., Umurzakov, A., Dzhafarova, R.K. Silicon carbide alloy LED with a new low-temperature alloy 9—73582
Saidov, M.S., Umerov, R.S., Yusupov, A. Variable-gap crystal made from a silicon-germanium solid solution 9—66003
Saiful Rehman, M. Comparative costs of water pumping with solar energy, wind power, petrol engine and electric water pump 9—74507
Saifullin, R.S. *see* Kuramshin, R.S. 9—96197
Saiger, S. Determination of impurities in uranium dioxide powder and pellets 9—49807
Saiger, S. *see* Hammerschmidt, H. 9—49804
Saigusa, H., Azumi, T. Internal heavy atom effect on the triplet spin sublevels of the lowest triplet state of naphthalene. I. Radiative and nonradiative decays of the spin sublevels of 1-halonaphthalenes 9—95819
Saijo, H. *see* Tanaka, T. 9—100449
Saijo, K., Saito, M. On the change of the radius of supergiant component of zeta Aurigae 9—84820
Saijo, K. *see* Saito, M. 9—84819
Saika, A. *see* Itagaki, T. 9—54775
Saika, A. *see* Terao, T. 9—87332
Saikin, V.N. *see* Belomestnyi, V.A. 9—52598
Saiko, A.P. *see* Nagibarov, V.R. 9—69206
Saile, B. *see* Phillipp, F. 9—99244
Saile, V., Koch, E.E. Bulk and surface excitons in solid neon 9—95340
Saile, V. *see* Aspnes, D.E. 9—78705
Saillard, M. *see* Becle, C. 9—90597
Sailor, R.V. *see* Dahlen, F.A. 9—88257
Saimkulov, Z.A. Photosensitivity spectrum of Au-p-InSb surface-barrier structures 9—51674
Saimoto, S. *see* Van Drunen, G. 9—100162
Saini, H.S., Nagpaul, K.K. Annealing characteristics of fission tracks in minerals and their applications to Earth Sciences 9—100827
Saini, H.S. *see* Parshad, R. 9—84230
Saini, J.S., Gupta, C.P. Solar collector optimization 9—62080
Saini, J.S., Mehrotra, R.K., Gupta, C.P. Design of solar heating system for winter heating of buildings (a case study) 9—62136
Saini, S.B. *see* Jain, D.V.S. 9—57281
Saini, V.D., Cohen, G.H. Using color substitution pupil response to expose chromatic mechanisms 9—92221
Sainio, M.E. *see* Green, A.M. 9—85465
St.-Maurice, J.-P., Schunk, R.W. Ion velocity distributions in the high-latitude ionosphere 9—101018
St. Angiulescu, C. *see* Bobulescu, R.C. 9—87917
St. Dimitrova, Z. *see* Vitenberg, A.G. 9—61921
St. Doltsinis, J. On the calculation of crack propagation in inelastic loading 9—50668
St. George, F. *see* Anderson, D.W. 9—53255
St. John Manley, R. *see* Wittmann, J.C. 9—61521
St. Lawrence, W., Qamar, A. Hydraulic transients: a seismic source in volcanoes and glaciers 9—100816
Saint Mard, C.J. *see* Meyer, C.E. 9—54559
St. Pierre, C.C. *see* Wasfi, A.K. 9—70482
St. Pierre, L.E. *see* Cole, J.H. 9—69023
Saintignon, P.de *see* de Saintignon, P.
Saio, H. *see* Arimoto, N. 9—80340
Saipeev, G.A. *see* Koksharov, V.D. 9—57167
Saissy, A., Botineau, J., Azema, A., Gires, F. Spontaneous Raman scattering in $(P_2O_5)_x$-$(SiO_2)_{1-x}$ and $(B_2O_3)_x$-$(SiO_2)_{1-x}$ 9—78674
Saissy, A. *see* Azema, A. 9—72458
Saito, A. Effect of fusible alloys on wear characteristics of thermoplastic polymers. II. Adhesive wear of thermoplastic polymers containing fusible alloy filters 9—70173
Saito, E. *see* Belloni, J. 9—87935
Saito, F., Maruyama, M., Ebata, M., Sone, T., Nimura, T. Consideration on the insulation between two auditoriums 9—81635
Saito, F. *see* Yashima, S. 9—51196
Saito, H., Otomi, K. Vibration and stability of elastically supported beams carrying an attached mass under axial and tangential loads 9—68622
Saito, H., Otomi, K. Parametric response of viscoelastically supported beams 9—81765
Saito, H., Tanaka, Y., Shionoya, S., Tanaka, S. Techniques of picosecond spectroscopy 9—71541
Saito, H. *see* Horikoshi, Y. 9—98374, 9—98402
Saito, H. *see* Imai, H. 9—50321
Saito, H. *see* Tanaka, S. 9—93890
Saito, J. *see* Namba, Y. 9—55618
Saito, K., Fukuzumi, T. Compressive characteristics curve of tobacco shreds 9—61656
Saito, K. *see* Kajimura, T. 9—50313
Saito, K. *see* Kanzaki, S. 9—74188
Saito, K. *see* Kuraoka, Y. 9—58743, 9—75533
Saito, M. Possible instability in the Burg maximum entropy method 9—80045
Saito, M., Inoue, S., Fujii-e, Y. Induction MHD generator using alternating magnetic field 9—87997
Saito, M., Sato, H., Saijo, K. Photometry of zeta Aurigae between 1973 and 1978 9—84819
Saito, M. *see* Fukumoto, I. 9—83722
Saito, M. *see* Imai, K. 9—70988
Saito, M. *see* Mori, T. 9—78134
Saito, M. *see* Nemoto, I. 9—83971
Saito, M. *see* Saijo, K. 9—84820
Saito, M. *see* Sekiya, T. 9—84060, 9—84062
Saito, M. *see* Yamaoka, N. 9—92353
Saito, M. *see* Yokokura, T. 9—79770
Saito, N., Ueno, M. Calcium entry in aequorin injected axon of crayfish 9—79513
Saito, N. *see* Kuroda, E. 9—56340

Saito, N. *see* Taniguchi, I. 9—92233
Saito, O., Takeda, H. Prediction model of air pollution adapted to pattern of daily fluctuation 9—57539
Saito, S. Microwave spectroscopy of short-lived molecules 9—50010
Saito, S. Electronic structures of KDP and its family 9—87463
Saito, S., Hanawa, M., Nishina, Y., Sato, K., Sato, T., Sugawara, T. Anomalous thermal behavior and nuclear spin relaxation of liquid ^{3}He in contact with linear-chain antiferromagnets 9—56002
Saito, S., Sirakura, Y., Kamihara, M., Oyabu, T. Field-induced distortion of the molecular orientation pretilted reversely at both surfaces of a nematic liquid crystal cell 9—99060
Saito, S. *see* Endo, Y. 9—93988
Saito, S. *see* Hirota, E. 9—93986
Saito, S. *see* Ishikawa, M. 9—63760
Saito, S. *see* Kohda, M. 9—50535
Saito, S. *see* Kuriyama, K. 9—91724
Saito, S. *see* Matsumura, F. 9—57558
Saito, S. *see* Minakata, M. 9—86254
Saito, S. *see* Sugiura, H. 9—95594
Saito, S. *see* Takigawa, Y. 9—69540
Saito, S. *see* Wagatsuma, K. 9—81571
Saito, S. *see* Watanabe, Y. 9—99758
Saito, T. The computation of long geodesics on the ellipsoid through Gaussian quadrature 9—100806
Saito, T., Shigemoto, K. Meson-mass generation by instantons 9—54321
Saito, T., Shigemoto, K. Meson-mass generation by instantons. II 9—89121
Saito, T., Sovers, O.J. Spherical aberration coefficients of double-cylinder electrostatic lenses over wide magnification ranges 9—86124
Saito, T., Takahashi, K., Sakurai, T. Examination of the resonance theory on Pcs by means of an analysis of magnetic fluctuations in the magnetosheath and the magnetosphere 9—80092
Saito, T., Yumoto, K. Comparison of the two-snake model with the observed polarization of the substorm-associated magnetic pulsation Ps 6 9—66887
Saito, T. *see* Chikazawa, S. 9—91233
Saito, T. *see* Imai, K. 9—97706
Saito, T. *see* Miura, I. 9—54663, 9—54686, 9—68013
Saito, T. *see* Miyako, Y. 9—78403
Saito, T. *see* Ura, K. 9—71568
Saito, T.T. Revolutionary optics and electronics manufacturing [diamond turning] 9—81584
Saito, Y. Crystal structure and habit of silicon and germanium particles grown in argon gas 9—74071
Saito, Y. *see* Amano, T. 9—100301
Saito, Y. *see* Machida, K. 9—91432
Saito, Y. *see* Maezawa, K. 9—91025
Saito, Y. *see* Mikami, M. 9—78380
Saito, Y. *see* Shinto, H. 9—100182
Saito, Y. *see* Yokoyama, A. 9—53228
Saitoh, T. *see* Kuroda, E. 9—87576
Saitovitch, H. *see* Butz, T. 9—61267, 9—87337
Saitta, B. *see* Barnham, K.W.J. 9—85293
Saitta, B. *see* Blietschau, J. 9—93396
Saitta, B. *see* Grion, N. 9—49913
Saitta, G. *see* Giorgianni, U. 9—73972
Saja, A.de *see* de Saja, A.
Saja, J.A.de *see* de Saja, J.A.
Saje, M. Necking of a cylindrical bar in tension 9—90147
Saji, H. *see* Iwata, R. 9—88192
Saji, S. *see* Hori, S. 9—52281
Sajot, G. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Sak, J. *see* Bruno, J. 9—73230, 9—99705
Sak, J. *see* Rezayi, E.H. 9—80508
Sakabe, N. Development of computerized automatic pure-tone and speech audiometer 9—74774
Sakagami, Y., Nagao, S., Morita, M., Kawakami, H., Yamanaka, C. Hemispherical shock wave in a laser irradiated freely falling glass microballoon 9—63809
Sakagami, Y., Yoshida, S. Trapping process of vacancies by foreign atoms 9—90696
Sakagishi, K. *see* Takagi, S. 9—54601
Sakaguchi, K. *see* Maeta, S. 9—99819
Sakaguchi, K. *see* Osaka, T. 9—99441
Sakaguchi, M., Tamura, T., Matumoto, Z. Decay of ^{189}Re 9—54388
Sakaguchi, M. *see* Ohta, Y. 9—89942
Sakaguchi, S., Nakahara, M. Strength and fracture behaviour of optical fibers 9—59817
Sakaguchi, S., Nakahara, M. Strength and fracture behavior of optical fibers 9—59828
Sakaguchi, S. *see* Kimura, T. 9—59818
Sakai, A., Kasahara, M., Tatsuzaki, I. Deuteron magnetic resonance in $RbD_3(SeO_3)_2$ 9—91312
Sakai, H. Power matching between amplifiers and loudspeakers 9—90106
Sakai, H., Ejiri, H., Shibata, T., Nagai, Y., Okada, K. Pre-equilibrium neutron emission for the ^{164}Dy$(\alpha,xn\gamma)^{168-x}$Er reaction studied by n-γ coincidence measurements 9—93641
Sakai, H. *see* Bolotin, H.H. 9—63630
Sakai, H. *see* Matsubaya, O. 9—74911
Sakai, I. Collisional activation spectrometry. A new technique for elucidating the organic ion structures 9—76531
Sakai, J. Simplified bending loss formula for single-mode optical fibers 9—59800
Sakai, J., Kimura, T. Practical microbending loss formula for single-mode optical fibers 9—81534
Sakai, J., Kitayama, K., Ikeda, M., Kato, Y., Kimura, T. Large-core, broadband dual mode fiber with identical group velocities 9—59819
Sakai, K., Matsushima, Y., Akiba, S., Yamamoto, T. Growth of $In_{0.53}Ga_{0.47}As$ on (100)-oriented InP from supercooled solution 9—70001
Sakai, K. *see* Matsui, T. 9—71813
Sakai, K. *see* Yamamoto, T. 9—98384
Sakai, K. *see* Yoneda, T. 9—67254
Sakai, N. Factorization breaking in deep inelastic neutrino hadron production in perturbative QCD 9—80820
Sakai, N. *see* Dias De Deus, J. 9—97584
Sakai, N. *see* Harada, K. 9—80810
Sakai, S., Aoki, T., Tobe, M., Amemiya, Y., Umeno, M. InGaAsP/InP native oxide stripe lasers 9—68405
Sakai, S., Sugano, T. Energy band of ternary alloy semiconductors—calculation by a coherent-potential approximation based on the method of linear combination of bond orbitals 9—87035
Sakai, S., Umeno, M., Amemiya, Y. Photodetectors in 1-2 μm wavelength region 9—63307
Sakai, S. *see* Hikosaka, K. 9—54259, 9—58942, 9—89140
Sakai, S. *see* Inoue, A. 9—73133
Sakai, T., Adachi, G., Shiokawa, J. Magnetic properties of the system GdC_2-DyC_2 9—87239
Sakai, T., Adachi, G.-Y., Shiokawa, J. Magnetic properties of the solid solutions, $Y_xDy_{1-x}C_2$ 9—91230
Sakai, T., Shiozaki, M., Takashina, K. A study on AlN in high permeability grain-oriented silicon steel 9—83337
Sakai, T. *see* Nakagawa, S. 9—90093
Sakai, T. *see* Tanaka, T. 9—59943
Sakai, Y., Takahashi, M., Sakamoto, S., Tagashira, H. CO_2 TEA laser discharge development—a high-speed-camera investigation 9—55109
Sakai, Y. *see* Anno, T. 9—89584
Sakai, Y. *see* Harris, G.W. 9—54766
Sakai Dzhyun-Ichi *see* Dzhyun-Ichi Sakai
Sakaida, Y. *see* Kobayashi, M. 9—91469
Sakaino, T. *see* Makishima, A. 9—77779
Sakaki, H. *see* Wagatsuma, K. 9—81571
Sakaki, T., Sakiyama, K. Corrosion of iron-chromium alloys in hot concentrated caustic soda solution 9—70225
Sakakibara, A. *see* Ohta, M. 9—57023
Sakakibara, S., Sehgal, L.M. Corrections to ν_e-$\bar{\nu}_\mu$ universality in neutral current interactions 9—54292
Sakakibara, T., Kito, Y., Miyachi, I. Characteristics of multiple anode spots on a cryogenic copper electrode during arc discharge 9—90485
Sakakibara, Y. *see* Furuya, K. 9—81433
Sakal, L. *see* Koudelka, L. 9—65856
Sakalas, A. *see* Kutra, J. 9—51699
Sakalas, A. *see* Pincevicius, A. 9—56296
Sakalas, A. *see* Viscakes, J. 9—65519
Sakalauskas, S. *see* Viscakes, J. 9—65519
Sakalauskas, S.V. *see* Dement'ev, A.S. 9—99846
Sakalauskas, S.Yu., Dobrovol'skis, A.T. Device for measuring the distribution of surface electric potential 9—67340
Sakamaki, K., Inada, S. On the brittle fracture of lamellar pearlite steel containing proeutectoid ferrite 9—66152
Sakami, H., Iida, S., Sasaki, K. Fibril structure of high molecular weight polyethylene induced by oriented crystallization 9—90575
Sakami, H. *see* Iida, S. 9—91757, 9—91758, 9—96099
Sakamoto, A. *see* Ogawa, T. 9—69708
Sakamoto, G. *see* Nakanishi, T. 9—88167
Sakamoto, H., Yahagi, K. Isothermal current peak on temperature dependence of electrical conductivity in polyethylene 9—51595
Sakamoto, H. *see* Otsuka, K. 9—74149
Sakamoto, I., Sato, T. Temperature dependence of electronic relaxation time in the Sondheimer size effect of copper 9—87086
Sakamoto, K. *see* Wada, H. 9—99332
Sakamoto, N., Matsuki, S., Ogino, K., Kadota, Y., Tanabe, T., Okuma, Y. The 2_2^+ and 4_1^+ states of the even isotopes $^{78-86}$Kr excited in the inelastic scattering of 51.9 MeV protons 9—54389
Sakamoto, N., Yamafuji, K. Effect of pin distribution on DC voltage-current characteristics of a superconducting foil in the presence of a small AC field 9—99666
Sakamoto, N. *see* Kumabe, I. 9—89264
Sakamoto, N. *see* Muramatsu, S. 9—60773
Sakamoto, S. *see* Sakai, Y. 9—55109
Sakamoto, S. *see* Sato, N. 9—60099
Sakamoto, S. *see* Yamada, H. 9—91367
Sakamoto, T. *see* Honda, T. 9—77796
Sakamoto, Y. Electron cyclotron resonance (ECR) type ion source. Production of source plasma 9—97467
Sakamoto, Y., Kojima, S., Kojima, K., Ohtani, T., Kubo, T. Crystal orientation and its formation process of an anisotropic Mn-Al-C permanent magnet 9—82778
Sakamoto, Y., Takao, K., Shimizu, K. Diffusion of hydrogen in quenched and tempered 21/4 Cr-1 Mo steel 9—65255
Sakamoto, Y. *see* Bassalleck, B. 9—67780
Sakamoto, Y. *see* Endo, K. 9—72046
Sakanaka, P.Kb. *see* Gal'vao, R.M.O. 9—98948
Sakane, M. *see* Ohnami, M. 9—52334
Sakanishi, T. *see* Masui, S. 9—57547
Sakano, H., Huppi, K., Heinrich, G., Tonegawa, S. Sequences at the somatic recombination sites of immunoglobulin light-chain genes 9—83701
Sakano, K. *see* Takitani, K. 9—67815
Sakanoue, M. *see* Komura, K. 9—88221
Sakasai, M. *see* Matsunaga, S. 9—71881
Sakashita, S. *see* Morita, K. 9—62910
Sakata, F., Holzwarth, G. The influence of the pairing degrees of freedom on the collective excited states. Schematic analysis 9—89250
Sakata, H. Vision and display 9—70551
Sakata, H. Recent progress in glass surface treatments—improvement in mechanical and optical properties 9—79141
Sakata, M., Harada, J. On the phase factor due to antisymmetric components of density distributions 9—99033
Sakata, M., Nishiwaki, T., Harada, J. Neutron diffraction study of the structure of cubic $CsPbBr_3$ 9—90609
Sakata, M. *see* Aoki, S. 9—68646
Sakata, M. *see* Dake, S. 9—62700
Sakata, M. *see* Kim, C.-S. 9—69528
Sakata, M. *see* Kitajima, T. 9—62702
Sakata, M. *see* Ohta, E. 9—90993
Sakata, M. *see* Yamamoto, Y. 9—62701
Sakata, S. New technical standards for radioactive waste management in Japan 9—67880
Sakata, T., Enomura, A. Studies of the rare earth-iron interactions in the orthoferrites $GdFeO_3$ and $HoFeO_3$ 9—56525
Sakata, T. *see* Kojima, T. 9—100043
Sakata, T. *see* Yamaguchi, K. 9—61518
Sakata, Y., Abe, T., Ishihara, K., Kimura, T. Characteristics of dry-type air battery using zinc chloride electrolyte 9—83581
Sakaue, K. *see* Takagi, M. 9—84063
Sakaue, T., Takagi, A. New light link system for high voltage terminal 9—68093
Sakawa, M., Narutaki, R., Sawada, K., Sawaragi, Y. Multiobjective optimization in water resources problems of Kakogawa River basin 9—57993
Sakei, B. *see* Kumabe, I. 9—89264
Sakellaridis, P. *see* Amblard, J. 9—91693
Sakemoto, A., Kumagi, K., Asayama, K. NMR study on ferromagnetism and spin glass in ternary $(PdCo0.4\%)_{1-x}Mn_x$ alloys 9—65761
Sakharov, A.D. Baryon asymmetry of the Universe 9—62945
Sakharov, A.S. Langmuir spectra in non-uniform plasma 9—55504
Sakharov, A.S. *see* Isakhanov, G.V. 9—90140, 9—98623
Sakharov, A.S. *see* Kovrizhnykh, L.M. 9—98868
Sakharov, A.S. *see* Zav'yalov, G.G. 9—53979
Sakharov, A.V. *see* Azhogin, F.F. 9—57174
Sakharov, I.E. *see* Veselov, D.V. 9—64204
Sakharov, V.I. *see* Kostina, L.D. 9—92475
Sakharov, V.M. *see* Gorbunov, B.Z. 9—53465
Sakharov, V.M. *see* Kolomenskii, A.V. 9—64181
Sakharov, V.V. *see* Zabolotskii, A.A. 9—100312
Sakharova, K.V. *see* Kuznetsov, A.Ya. 9—72726
Sakharova, S.G. *see* Dekhtyar, I.Ya. 9—87314
Sakhats'kaya, I.K. Solution of the heat-conduction problem for bodies of revolution during nonaxisymmetrical heating 9—98591
Sakhibullin, N.A. Detailed analysis of lines in stellar spectra. I. Description of the method 9—92684
Sakhibullin, N.A., Solov'eva, L.I. The investigation of selected lines in the spectra of the stars 10 Lac and τ Sco by the model atmosphere method 9—92769
Sakhibullin, N.A. *see* Pilyugin, L.S. 9—88654
Sakhuja, R., Morgan, D., Doyle, E. Design consideration of 150 kWe solar Rankine electric power system 9—62022
Saki, Y. *see* Kamimura, K. 9—65557
Sakina, K.-i., Chiba, J. Parallel transport of a vector along a circular orbit in Schwarzschild space-time 9—71313
Sakisaka, M. *see* Kobayashi, N. 9—89756, 9—89758
Sakisaka, Y. *see* Akimoto, K. 9—61795
Sakitt, M. *see* Hill, D.G. 9—71744
Sakiyama, K. *see* Sakaki, T. 9—70225
Sakiyama, M., Tomaszewicz, P., Wallwork, G.R. Oxidation of iron-nickel aluminum alloys in oxygen at 600-800°C 9—83376
Sakka, S., Matusita, K., Kamiya, K. Electrical conduction in mixed-cation glasses of the Na_2O-Tl_2O-B_2O_3 and Ag_2O-Tl_2O-B_2O_3 systems 9—95210
Sakka, S. *see* Kamiya, K. 9—70038, 9—77527

Sakkilari, A.V., Kurtseva, N.N., Solomin, N.V., Van'kina, N.M., Egorov, Yu.K. Investigation of solid solutions of the system Al_2O_3-TiO_2-MgO.$2TiO_2$ by X-ray phase analysis 9—95981

Sakmar, I.A. A long-standing conjecture and a new uniqueness condition for the solution of the elastic unitarity equation 9—58950

Sakmar, I.A. *see* Chan, S.K. 9—86068

Sako, K., Tone, T., Seki, Y., Iida, H., Yamato, H., Ide, T., Suzuki, T., Maki, K., Ioki, K., Yamamoto, T., Minato, A., Asami, N., Eto, F. Problems in the design of JAERI experimental fusion reactor (JXFR) 9—76126

Sako, K. *see* Asmai, N. 9—76135

Sakoh, S. *see* Horai, K. 9—75563

Sakovich, V.A. *see* Kolomenskii, A.V. 9—64181

Sakr, I.A., Hegazi, A.I. A channelled solar flat-plate booster 9—62072

Saksaganski, O.V. *see* Bagratishvili, G.D. 9—60932

Saksaganskii, G.L. *see* Balbekov, V.I. 9—63829

Saksaganskiy, G.L. *see* Baldin, A.M. 9—72125

Saksena, A.R. Dielectric relaxation in N,N-diethyl formamide 9—56716

Saksena, R.C. *see* Ghosh, B.B. 9—84575, 9—84578

Saksena, R.K. BITS solar water pump and related systems 9—70439

Saksena, T.K., Babbar, N.K. Ultrasonic investigation of the curing time of epoxies 9—83430

Saksun, M.Ye., Kukushkin, N.I. Selective activation of rapid and slow electrogenesis of the cardiac cell membranes in the vulnerable period of the cardiac cycle 9—57617

Saksonov, Yu.G. *see* Pan'kov, V.V. 9—87834

Sakudo, N. *see* Hosaka, S. 9—91551

Sakudo, T. Pressure effect on the lattice dynamical phase transitions 9—65814

Sakudo, T. *see* Oka, K. 9—100038

Sakudo, T. *see* Uwe, H. 9—73426

Sakui, S. Two aspects of impact tests on metals 9—79111

Sakuma, E. *see* Nakano, K. 9—86729

Sakuma, I. *see* Yonezu, H. 9—72566

Sakuma, N. *see* Suita, M. 9—90337

Sakuma, T. *see* Tate, A. 9—69337

Sakuma, T. *see* Yoshida, F. 9—54069

Sakun, V.P. *see* Librovich, N.B. 9—73916

Sakurabu, T. *see* Nakasa, K. 9—77676

Sakurada, Y., DeHaven, G.D., Walterscheid, W.J., Bielamowicz, S.M., Haisler, R.L., Peeler, H.W. Heavy-ion source for the Texas A&M 88-inch cyclotron 9—54680

Sakurada, Y., Peeler, W.H. A new gas feed system to an ion source for the cyclotron 9—81112

Sakurada, Y. *see* Sato, K. 9—54648

Sakurai, A., Schlottmann, P. Spatial correlations in a simple model of a mixed valence system 9—60770

Sakurai, A. *see* Yosida, K. 9—90932

Sakurai, J.J. Weak-electromagnetic interference 9—63404

Sakurai, J.J. Remarkable regularity in the lepton-pair widths of vector mesons 9—63472

Sakurai, K. The nature of the solar activity and its relation to solar cosmic-ray production 9—92735

Sakurai, K. *see* Ando, M. 9—81342

Sakurai, K. *see* Toi, K. 9—86565

Sakurai, O. *see* Uematsu, K. 9—78100

Sakurai, T., Culbertson, R.J., Melmed, A.J. Photoillumination effect on silicon field ion microscopy 9—78850

Sakurai, T., Iwasaki, S., Oshida, T., Tanaka, K. Pressure and power broadenings of the saturated absorption lines of iodine at 633 nm 9—76765

Sakurai, T., Kawata, H., Sato, T., Hisatsugu, T., Hashimoto, H., Furuya, T. Lateral spread of P^+ ions implanted in silicon through the SiO_2 mask window 9—77627

Sakurai, T., Ogishima, A. Temperature dependence of POPOP dye vapor lasers 9—81423

Sakurai, T. *see* Arashi, H. 9—70049

Sakurai, T. *see* Culbertson, R.J. 9—78849, 9—78853

Sakurai, T. *see* Ito, M. 9—61181

Sakurai, T. *see* Ito, T. 9—65042

Sakurai, T. *see* Kawata, H. 9—51130

Sakurai, T. *see* Saito, T. 9—80092

Sakurai, T. *see* Shibata, Y. 9—52881, 9—52882, 9—52883

Sakurai, T. *see* Tatsuta, S. 9—55759

Sakurai, Y. *see* Ohbuchi, Y. 9—93133

Sakurai, Y. *see* Toyoda, K. 9—71408

Sakurama, T., Yoriyasu, K. Meteorological observation system using telephone switching network 9—80031

Sakuta, K., Tani, T., Sawata, S., Tanaka, T. Concentration characteristics of parabolic trough mirrors for solar energy power plants 9—79376

Sakuta, K., Tani, T., Sawata, S., Yanaka, T., Horigome, T. Fundamental characteristics of the reverse flat plate collector 9—96485

Sakuta, K. *see* Tanaka, T. 9—62108, 9—77058, 9—79377

Sakuta, K. *see* Tani, T. 9—57441, 9—79380, 9—79381

Sakuyama, M. Lateral variations of H_2O contents in Quaternary magmas of northeastern Japan 9—57899

Sakvarelidze, I.I. *see* Aglamazov, V.A. 9—84616

Sakvarelidze, M.I. *see* Belyaev, V.B. 9—54459, 9—76033

Sal, J.C.Gomez *see* Gomez Sal, J.C.

Sala, A. *see* Savornin, J.L. 9—76097

Sala, K.L. Anticausal behavior in the imaging of a moving object: The implications for high-speed photography 9—81381

Sala, O. *see* Santos, P.S. 9—50019

Saladin, J.J., Sheedy, J.E. Population study of fixation disparity, heterophoria and vergence 9—96563

Saladin, J.J. *see* Sheedy, J.E. 9—96556

Salaev, E.Yu., Allakhverdiev, K.R., Mamedov, T.G. Optical and nonlinear optical properties of the layered materials 9—51943

Salaev, E.Yu. *see* Abdullaev, G.B. 9—65799, 9—87443, 9—99883

Salaev, E.Yu. *see* Alieva, L.N. 9—95777

Salaev, E.Yu. *see* Allakhverdiev, K.R. 9—56804

Salaev, E.Yu. *see* Belen'kii, G.L. 9—51483, 9—69849, 9—83022

Salaev, E.Yu. *see* Ishchenko, S.S. 9—99763

Salaev, E.Yu. *see* Mekhtiev, N.M. 9—60873

Salaev, E.Yu. *see* Vodop'yanov, L.K. 9—69846

Salah, J.E. *see* Evans, J.V. 9—53597

Salah El Din, A.S., Lovegrove, J.M. Measuring the crack width on concrete surfaces by light-dependent resistor 9—96250

Salah Khalgui Mohamed *see* Mohamed Salah Khalgui

Salaita, G.N. *see* Browning, J.S. 9—52804

Salaita, G.N. *see* Joyner, R.W. 9—87756

Salaita, N. *see* Woo, T.W. 9—49629

Salam, A. The electroweak force, grand unification and superunification 9—93333

Salam, A. *see* Baaklini, N.S. 9—71333

Salam, A. *see* Craigie, N.S. 9—80783

Salama, A.M. Copper precipitation effects in silicon used in solar cells 9—69249

Salamo, S. *see* Rasmussen, W.O. 9—75386

Salamon, B. *see* Szuber, J. 9—82860

Salamon, M.B. Freezing of EPR relaxation rates in spin glasses 9—99713

Salamon, M.B., Huang, C.-C. Depolarization of light by critical fluctuations in $RbAg_4I_5$ 9—61333

Salamon, M.B., Meichle, M., Wayman, C.M., Hwang, C.M., Shapiro, S.M. A neutron scattering study of premartensitic phases of TiNi(Fe) 9—96025

Salamon, M.H., Tarle, G. An algorithm to calculate light distributions within light diffusion boxes 9—49908

Salamon, M.H. *see* Ahlen, S.P. 9—56880

Salamon, N.J., Comninou, M. The circular prismatic dislocation loop in an interface 9—82468

Salan, J. *see* Guyon, E. 9—77501

Salaneck, W.R., Thomas, H.R., Duke, C.B., Paton, A., Plummer, E.W., Heeger, A.J., MacDiarmid, A.G. Photoelectron spectra of AsF doped polyacetylenes 9—98150

Salangin, V.G. *see* Fedorov, V.G. 9—87731

Salardenne, J. *see* Danto, Y. 9—52928

Salardenne, J. *see* Lascaud, M. 9—99649

Salardi, G., Pellegrini, B., Di Leo, T. Generalization of thermionic emission theory. Temperature dependence of GaAs intervalley gap from measurements on Schottky diodes 9—73586

Salares, V.R. *see* Bandrauk, A.D. 9—61362

Salaris, F. *see* Alfonso, G.C. 9—95992

Salariya, K.S., Singh, M. Solar concentrators 9—62120

Salas, J.Martinez *see* Martinez Salas, J.

Salas, M.D., Daywitt, J. Structure of the conical flowfield about external axial corners 9—94646

Salaskin, K.A. *see* Schtscherbakow, J.W. 9—70129

Salathe, D. *see* Kwasnitza, K. 9—60979

Salathe, R.P. Laser diodes and optical integrated elements 9—89920

Salathe, R.P. Diode lasers coupled to external resonators 9—94231

Salawa, J. *see* Ciach, R. 9—87605

Salazkin, S.N. *see* Adamova, L.V. 9—65204

Salazkina, N.V. *see* Korableva, A.A. 9—66344

Salce, B., de Goer, A.M. Studies of the Ni^{3+}:Al_2O_3 system by thermal conductivity measurements 9—82395

Salcedo, J.R., Siegman, A.E. Laser induced photoacoustic grating effects in molecular crystals 9—55215

Salcher, G. *see* Gebauer, R. 9—59782

Saldin, E.L. *see* Derbenev, Ya.S. 9—93860

Sale, F.R. *see* Anderton, D.J. 9—95984, 9—95985

Saleem, M., Aleem, F. Van der Waals type model for pp elastic scattering at high energies 9—58977

Saleem, M., Fazal-e-Aleem Simple Regge pole model for proton-proton elastic scattering at high energies 9—75799

Saleem, M. *see* Gul, K. 9—80932

Saleemi, F. *see* Armstrong, T.A. 9—85344

Saleh, B.E.A. Intensity distribution due to a partially coherent field and the Collett-Wolf equivalence theorem in the Fresnel zone 9—89846

Saleh, B.E.A. Optical bilinear transformations. General properties 9—98305

Saleh, B.E.A., Goeke, W.C. Coherent optical compensation of post-detection spatial distortion 9—98302

Saleh, J.M., Hikmat, N.A. Interaction of sulphur dioxide with mixed metal films 9—87003

Saleh, M., Zafar, M.S. Electron and hole generation in anthracene under electron bombardment 9—73524

Saleh, N. *see* Jha, S. 9—78580

Salehi, H. *see* Anders, B. 9—75967

Salehi, H. *see* Miamee, A.G. 9—71369

Salehi, M. *see* Flinn, E.A. 9—87534

Salei, V.S. *see* Didkovskaya, O.S. 9—52140

Salem, A.M. *see* Tolba, M.F. 9—75060

Salem, I. *see* El-Zaidia, M.M. 9—73099

Salem, L. The destiny of electron pairs in chemical reactions 9—52652

Salem, L., Leforestier, C. The chemical nature of electron waves in metals—a basis for the study of heterogeneous catalysis 9—60700

Salem, M., Brocklehurst, M. A table of departure coefficients from thermodynamic equilibrium (b_n factors) for hydrogenic ions 9—76369

Salem, S.L. *see* Yum Tong Lee 9—49783

Salemink, H.W.M., Van Kempen, H., Wider, P. Transmission of ballistic longitudinal and transversal phonon pulses through a sapphire-He II interface at T=0.25K 9—51416

Sales, A. *see* Guy, J. 9—76601

Sales, B.C., Cabrera, A.L., Maple, M.B. Oxidation of iron in the vicinity of its Curie temperature 9—66218

Sales, B.C. *see* Lagos, R.E. 9—61905

Sales, B.C. *see* Maple, M.B. 9—69506

Saleski, A. On mixing and entropy 9—71348

Salesky, E.T., Korff, D. Calculation of HCl linewidths using a new impact parameter theory 9—89714

Saletan, E.J. *see* Marmo, G. 9—49020, 9—63011

Salganik, I.N. *see* Zayats, V.A. 9—87423

Salge, J. *see* Ueno, I. 9—77427

Salgo, C. *see* Avanzini, P.G. 9—97793

Salibekov, S.E. *see* Portnoi, K.I. 9—61508

Salibekov, S.E. *see* Zabolotskii, A.A. 9—70020, 9—100312

Salicio, J. *see* Aguilar-Benitez, M. 9—80847

Saligov, S.G. *see* Aliev, T.M. 9—80566

Salikhbaev, U.S. *see* Andreychev, V. 9—49603

Salim, J.M. *see* Novello, M. 9—97276

Salimov, O.N. *see* Zelenin, V.N. 9—71005

Salimov, R.A. *see* Auslender, V.L. 9—72032

Salimov, V.M. *see* Korolev, F.A. 9—55164

Salimov, V.M. *see* Krindach, D.P. 9—50318

Salin, D. *see* Lambert, B. 9—55958, 9—95241

Salinas, S.R. *see* Andrade, R.F.S. 9—95593

Salingaros, N., Dresden, M. Properties of an associative algebra of tensor fields. Duality and Dirac identities 9—71618

Salinger, G.L. *see* Lyon, K.G. 9—73326

Salinger, W. *see* Hein, A. 9—83774

Salisbury, I.G., Loretto, M.H. {113} Loops in electron-irradiated silicon 9—82225

Salita, O.P. *see* Lavrentev, F.F. 9—96094

Salivon, G.I. *see* Belyi, N.M. 9—73950

Salivon, G.I. *see* Gorban, I.S. 9—78681

Salivon, G.I. *see* Ostapchuk, L.N. 9—65865

Saliya, Z.E. *see* Kikiani, B.I. 9—76512

Salje, E., Carley, A.F., Roberts, M.W. The effect of reduction and temperature on the electronic core levels of tungsten and molybdenum in WO_3 and $W_xMo_{1-x}O_3$—a photoelectron spectroscopic study 9—91564

Salje, E. *see* Hoppmann, G. 9—91464

Salk, J. *see* Knof, J. 9—83886

Sal'kov, E.A. *see* Gasan-zade, S.G. 9—69553, 9—78137, 9—78138

Sal'kov, E.A. *see* Lyubchenko, A.V. 9—73526

Sallam, E.M.H., Chaklader, A.C.D. Sintering characteristics of porcelain 9—83156

Saller, H. *see* Durr, H.P. 9—71680

Salles-Cunha, S. *see* Towne, J.B. 9—88144

Sallet, D.W. *see* Guhler, M. 9—77139

Sallhofer, H. Elementary derivation of the Dirac equation. II 9—81349

Salm, J., Steenbeck, K., Steinbeiss, E. Current-voltage characteristic of reactive sputtering with element targets 9—95888

Sal'man, V.M. *see* Gorina, Yu.I. 9—89908

Salmanov, A.R., Voronkova, G.I. Model of electrophysical processes in heat-treated silicon 9—69531

Salmanov, V.M. *see* Abdullaev, G.B. 9—73580

Salme, G. *see* Ciofi degli Atti, C. 9—71850

Salmeron, M., Gale, R.J., Somorjai, G.A. A modulated molecular beam study of the mechanism of the H_2-D_2 exchange reaction on PT(111) and Pt(332) crystal surfaces 9—66269

Salmistraro, F. *see* Calvani, M. 9—49133

Salmon, G., Lawrie, L. Hard copy from oscilloscopes 9—88937

Salmon, G.A. *see* Kawabata, K. 9—83474

Salmon, G.L. *see* Brandelik, R. 9—63491, 9—93441

Salmon, G.L. *see* Crabb, D.G. 9—63528

Salmon, Y. *see* Baye, D. 9—75948

Salnikov, G.I. *see* Baranova, G.K. 9—95543

Sal'nikov, I.P. *see* Gel'perin, N.I. 9—90336

Sal'nikov, O.A. *see* Biryukov, N.S. 9—67666, 9—80940
Salnikov, O.A. *see* Pronyaev, V.G. 9—97657
Sal'nikova, S.F. *see* Volkova, N.V. 9—72636
Salokhiddinov, K.I. *see* Bondarev, S.L. 9—56837
Salokhiddinov, K.I. *see* Dzhagarov, B.M. 9—92141
Salomaa, M. *see* Baym, G. 9—86956
Salomaa, M.M. On pair breaking by electron bubbles in superfluid ^{3}He 9—51352
Salomaa, M.M., Nieminen, R.M. Superconducting virtual bound state alloys 9—99654
Salomaa, R. *see* Alekseev, V.A. 9—54920
Salomaa, R.R.E. *see* Karttunen, S.J. 9—86585
Salomatov, V.N., Parfianovich, I.A. Change in the energy parameters of F centers in the field of a Tl^{++} ion in alkali-halide crystals 9—65075
Salomon, D. *see* Kaindl, G. 9—87358
Salomon, J.A., Yaish, A., Warshaw, D.B., Corne, R.A., Atlan, H. Computer software and hardware techniques in cardiac nuclear medicine 9—57806
Salomon, J.C. *see* du Penhoat, Y. 9—79869
Salomon, M. *see* Bassalleck, B. 9—76288
Salomon, M. *see* Hasinoff, M.D. 9—76034
Salomon, M. *see* Mazzucato, E. 9—85525
Salomon, R.E. *see* Hu, L.F. 9—78630
Salomon, R.E. *see* Lee, H. 9—87400
Salomone, A. *see* Acerbi, E. 9—54669
Salomonson, P. Stability of the Nielsen-Olesen vortex 9—49391
Salomonson, P. *see* Kandaswamy, J. 9—67481
Salop, A., Olson, R.E. Electron removal from atomic hydrogen by collisions with fully stripped oxygen ions 9—76504
Salop, A., Olson, R.E. Electron removal from atomic hydrogen by collisions with fully stripped iron ions 9—76508
Salop, A. *see* El-Sherbini, T.M. 9—98209
Salpeter, E.E. *see* Draine, B.T. 9—92820, 9—92825
Salpeter, E.E. *see* Krumm, N. 9—97075
Salsburg, B. *see* Melen, R.E. 9—68027
Salt, A.D. *see* Barrett, T. 9—84919
Saltanov, G.A., Chirikhin, A.V. Heterogeneous condensation in high-speed two-phase streams 9—64488
Saltanov, G.A., Simanovskii, G.P. Two-dimensional mixed flows of a supersatured and two-phase medium with nonequilibrium phase transitions 9—77224
Saltanov, N.V. Variational hydrodynamic model of heterogeneous mixtures in Eulerian and Euler-Lagrangian formulations 9—90211
Saltanov, N.V. *see* Poddubn', V.I. 9—90163
Salter, C.J. *see* Klein, U. 9—75264
Salter, C.J. *see* Sieber, W. 9—62890
Salter, I.W. *see* Lissberger, P.H. 9—78776
Salter, M.J., Lyne, A.G., Anderson, B. Measurements of the trigonometric parallax of pulsars 9—88694
Salthouse, A.J. *see* Ratner, L.G. 9—67608
Saltiel, L. Acoustic propagation in a deep underwater channel 9—72745
Saltmarsh, M.J. *see* Reiley, T.C. 9—57192
Salu, Y. Relating the multipole moments of the heart to activated parts of the epicardium and endocardium 9—100588
Salukvadze, R.G. *see* Abesalashvili, L.N. 9—80856
Salusti, E. Internal waves on a deep-stepped marine structure 9—57943
Salusti, E. On the shape of a deformed eddy with varying Coriolis force 9—66708
Salusti, E. *see* Benzi, R. 9—70884
Salustri, C. Plasmons in three-component systems 9—99493
Salvadori, P. *see* Ciardelli, F. 9—55014
Salvetti, G. Operation of an unstable resonator TE CO_2 laser with large electrode spacing using additives 9—98403
Salvetti, G. *see* Bertolini, D. 9—65791
Salvi, P.R., Schettino, V. Infrared and Raman spectra and phase transition of the SF_6 crystal. Anharmonic interactions and two-phonon infrared absorption 9—87427
Salvi, P.R. *see* Schettino, V. 9—91417
Salvi, T.C., Paxton, A.H. Calculation of equivalent Fresnel numbers for unstable resonators with scraper mirrors 9—81460
Salvin, R., Cantow, H.-J. Thermoelastic studies on polybutadiene networks 9—74220
Salvin, R., Cantow, H.-J. Radiation induced cis-trans isomerization of swollen polybutadiene networks 9—74374
Salvini, G. A multiple-use ultrasonic receiver 9—64457
Salvo, C. *see* Siri, A. 9—58729
Salvo, F.J.Di *see* Di Salvo, F.J.
Salvo, F.J.Di, Jr. *see* Di Salvo, F.J., Jr.
Salvo, H.L., Jr., Levy, M. Surface wave attenuation due to the electron-phonon interaction in a thin metal film 9—55848
Salyukov, Yu.L. *see* Shusterov, B.G. 9—92331
Salzano, F.J. *see* Vi-Duong Dang 9—52915
Salzborn, E. *see* Muller, A. 9—64096, 9—93858
Salzbrenner, R.J., Cohen, M. On the thermodynamics of thermoelastic martensitic transformations 9—61585
Salzer, K. Determination of the NMR shielding tensor and of the tensor of magnetic susceptibility by numerical calculation of the current density in the charge distribution of diamagnetic molecules 9—76445
Salzman, J. *see* Livio, M. 9—71097
Sam Chung Nak *see* Nak Sam Chung
Sam-Hyo Hong *see* Asbrink, S. 9—69052
Samaddar, S.K., Sobel, M.I. Charge equilibration in deep inelastic reactions 9—49635
Samaddar, S.N. Special functions associated with azimuthally magnetized ferrite rod phase shifters 9—55025
Samain, D. Solar continuum data on absolute intensities, center to limb variations and Laplace inversion between 1400 and 2100 Å 9—62803
Samaniego, F.J. *see* Kaiser, L.D. 9—71231
Samanta, B.C. *see* Dey, M. 9—59026
Samanta, U., Rohatgi-Mukherjee, K.K. Energy transfer between dye molecules having overlapping absorption bands: kinetics of quenching of fluorescence of fluorescein by rose bengal 9—78726
Samantaray, B.K. *see* Mitra, G.B. 9—77452
Samara, G.A. Pressure dependence of the static dielectric properties of $K(H_{1-x}D_x)_2PO_4$ and RbH_2PO_4 9—87405
Samara, G.A. Pressure and temperature dependences of the ionic conductivities of cubic and orthorhombic lead fluoride (PbF_2) 9—95207
Samara, G.A., Semmingsen, D. Effects of pressure on the dielectric properties and phase transitions of the 2-D antiferroelectric squaric acid: ($H_2C_4O_4$ and $D_2C_4O_4$) 9—95700
Samarasekera, H.D., Munir, Z.A. An investigation of the contact angles between low melting metals and substrates of niobium and zirconium 9—77864
Samarets, L.V. *see* Volkova, L.M. 9—60344
Samarin, S.N. *see* Artamonov, O.M. 9—65934
Samarin, V.K. Possibilities of inspecting the damage of materials on the basis of the change in the frequency of natural oscillations of samples 9—57116
Samarin, V.K. Influence of the magnetic field of the machine on fatigue test results 9—91890
Samarkin, A.A. *see* Bakumenko, O.D. 9—97869
Samarkin, A.A. *see* Yurchenko, D.S. 9—97868
Samarov, A.M. *see* Levit, B.Ya. 9—75324
Samarskii, P.A. *see* Atamanov, V.M. 9—55548
Samartsev, A.A. *see* Livshitz, A.I. 9—71469
Samartsev, V.V., Siraziev, A.I., Traiber, A.S. Exciton echo under single-pulse excitation conditions 9—73450
Samatowicz, D., Chomka, W. Internal friction of iron-metaphosphate glass containing sodium oxide 9—96078
Sambataro, S. *see* Lanzano, G. 9—93638
Sambles, J.R. *see* Braim, S.P. 9—51856
Sambur, M.R. A preprocessing filter for enhancing LPC analysis/synthesis of noisy speech 9—64447
Samchenko, Yu.I., Flerova, S.A. Spectra of radiation from $BaTiO_3$ crystals during pulsed repolarization 9—95804
Samigullin, A.A. *see* Dautov, G.Yu. 9—69992
Saminadayar, K. *see* Clerjaud, B. 9—69723
Saminadayar, K. *see* Magnea, N. 9—60764
Samios, N.P. *see* Baltay, C. 9—75770
Samir, U., Brace, L.H., Brinton, H.C. About the influence of electron temperature and relative ionic composition on ion depletion in the wake of the AE-C satellite 9—62667
Samir, U., Gordon, R., Brace, L., Theis, R. The near-wake structure of the Atmosphere Explorer C (AE-C) satellite: a parametric investigation 9—53647
Samitov, Yu.Yu., Khayarov, A.I. Extension of the nuclear-magnetic-resonance capabilities of the Varian Ha-100D spectrometer 9—80651
Samle, S.V. *see* Appa Rao, M.V.K. 9—84636
Sammut, R.A. *see* Snyder, A.W. 9—59810
Samoc, A. *see* Samoc, M. 9—56244
Samoc, M., Samoc, A. Thermally stimulated current with the participation of two trapping levels 9—56244
Samodurov, V.F. *see* Sheretov, E.P. 9—58842
Samofalov, V.N. *see* Palatnik, L.S. 9—69703
Samoggia, G. *see* Nosenzo, L. 9—56770
Samoilenko, V.D. *see* Akhmediev, N.N. 9—98495
Samoilenko, Z.A. *see* Arkharov, V.I. 9—79057
Samoilov, A.I. *see* Zhorov, G.A. 9—86912
Samoilov, A.S., Ormont, B.F. Non-vacancy character of the anomalous difference between the theoretical and experimental densities in TiO_x-type compounds 9—90630
Samoilov, G.V. *see* Gordon, A.R. 9—94480
Samoilov, I.M. *see* Ogorodnikov, D.D. 9—88341
Samoilov, L.N. *see* Kravtsov, V.E. 9—75571
Samoilov, S., Ashkenazi, J. Fermi surface topology of V_3Si measured by the positron annihilation technique 9—56117
Samoilov, S. *see* Manuel, A.A. 9—65359, 9—82515
Samoilov, V.V. *see* Boos, E.G. 9—67611, 9—89203
Samoilova, E.S. *see* Zel'dovich, V.I. 9—70059
Samoilova, T.V., Smirnov, B.I. Distribution of dislocations in deformed crystals on a surface parallel to the Burgers vector 9—65090
Samoilova, T.V. *see* Zimkin, I.N. 9—99212
Samoilovich, M.I. *see* Malogolovets', V.G. 9—78758
Samoilovich, M.I. *see* Nikolskaya, L.V. 9—70794
Samoilovich, M.I. *see* Tsinober, L.I. 9—90581
Samoilovich, Yu.A. Heat exchange between stream of melt and crystallisation front of ingot 9—69043
Samojlov, V.V. *see* Boos, E.G. 9—49548
Samokhin, A.A. *see* Gladush, G.G. 9—99009
Samokhin, A.A. *see* Korotchenko, A.I. 9—69922, 9—95724
Samokhin, A.A. *see* Valyanskii, S.I. 9—55877
Samokhin, A.P. *see* Logunov, A.A. 9—58952
Samokhin, M.V. Possibility of producing an artificial aurora in a region that is distant in longitude from the electron beam injection site 9—62638
Samokhin, M.V. On some problems concerning the calculation of the form of the magnetopause and the electric field on the magnetopause in the framework of the continuum medium model 9—75041
Samokhin, Yu.D. *see* Tsymbal, L.T. 9—87038
Samokhvalov, A.A., Babushkin, V.S., Arbuzova, T.I., Simonova, M.I., Chebotaev, N.M. Electron spin resonance in ferromagnetic spinel $CdCr_2S_4$ with cation and anion substitutions 9—69715
Samokhvalov, A.A. *see* Solin, N.I. 9—69544
Samokhvalov, G.I. *see* Chupriyanova, N.Ye. 9—92162
Samokhvalov, G.S. *see* Domrachev, A.I. 9—52385
Samokhvalov, M.K. Processes of electron emission from traps at the interface between gallium arsenide and an insulator 9—73598
Samokhvalov, M.K., Povichkov, V.V., Sverdlova, A.M. Electrical properties of MIS structures based on gallium arsenide with a natural anode oxide 9—99634
Samokhvalov, S.Ya., Avdeeva, D.K. Capacity-dynamic electrode to pick up bioelectric potentials 9—57782
Samokhvalova, L.Z. *see* Aronson, E.V. 9—52601
Samori, B. Distortion of a cubic molecule in a liquid crystal by dichroic techniques 9—95797
Samori, B. *see* Baraldi, L. 9—87415
Samori, B. *see* Gottarelli, G. 9—86683
Samorodskii, V.N. *see* Shcherbinskii, V.G. 9—79212
Samorukov, B.E. *see* Kasatkin, V.A. 9—52015
Samorukov, B.E. *see* Masterov, V.F. 9—61044
Samosvat, G.S. *see* Nikolenko, V.G. 9—49194, 9—75824
Samosvat, G.S. *see* Popov, A.B. 9—89515
Samouel, M. *see* de Kozak, A. 9—69090
Samour, C. *see* Guichon, P.A.M. 9—85375
Samovarov, V.N. Excitation of oscillations in a cryogenic helium plasma by means of hot electrons 9—55493
Samovol, V.A. *see* Azarkh, S.L. 9—62778
Samovol, V.A. *see* Ivanov-Kholodny, G.S. 9—96939
Samoylov, A.V. *see* Baranov, D.S. 9—54334
Samoznaev, L.N. *see* Azarkh, S.L. 9—62778
Samoznaev, L.N. *see* Ivanov-Kholodny, G.S. 9—96939
Sampaio, A.J.C., Luzzi, R. Resonant magneto-Raman scattering in polar semiconductors 9—51958
Sampaio, R., Williams, W.O. Thermodynamics of diffusing mixtures 9—88898
Sampath, K. *see* Wasan, D.T. 9—61840
Sampathkumar, R., Iyer, R.H. On the heating of cellulose nitrate plastics and alpha track revelation characteristics 9—49910
Sampathkumar, R. *see* Chaudhuri, N.K. 9—76300
Sampathkumaran, E.V., Gupta, L.C., Vijayaraghavan, R. Magnetic susceptibility and NMR studies in RX_2Si_2. Valence fluctuation in $CeCu_2Si_2$ 9—61246
Sampathkumaran, E.V. *see* Grover, A.K. 9—65643
Sampathkumaran, K.S. *see* Ambos, H.D. 9—70639
Samplavskaya, K.K. *see* Sokolov, Yu.N. 9—83182
Sample, H.H. *see* Finnemore, D.K. 9—78280
Sampsell, J.B., Garland, J.C. Giant quantum oscillations in the thermoelectric properties of aluminum 9—65453
Sampson, J.H. Foliations from quadratic and Hermitian differential forms 9—93000
Sampson, W. *see* Bleser, E. 9—68089
Sampson, W. *see* Kaugerts, J. 9—76197
Sampson, W. *see* McInturff, A.D. 9—68088
Sams, L. *see* Brown, J.F. 9—100885
Sams, R.L. *see* Wells, J.S. 9—98095
Samskog, P.-O., Gillbro, T., Nilsson, G. Primary reactions in irradiated glycine-d_3 crystals 9—79265
Samson, A.M. *see* Gorcharuk, I.M. 9—55155
Samson, J.C. *see* Oldenburg, D.W. 9—90459
Samson, J.C. *see* Olson, J.V. 9—74966
Samson, P.J. *see* Husain, L. 9—58044
Samson, S. *see* Khanna, S.K. 9—56206
Samson-Dollfus, D., Goldberg, P. Electroencephalographic quantification by time domain analysis in normal 7-15 year-old children 9—96532
Samson-Dollfus, D. *see* Chavance, M. 9—70653

Samsonenko, N.D., Timchenko, V.I., Litvin, Yu.A., Bokii, G.B. Electronic properties of natural diamonds deformed in the laboratory 9—91097
Samsonidze, T.G., Kiselev, N.A., Seitova, T.A., Rusinova, N.G., Doman, N.G. Electron microscopy of ribulosebisphosphate carboxylase 9—70515
Samsonidze, T.G. *see* Gonchar, N.A. 9—92129
Samsonik, A.L., Sirenko, G.A. Substructural changes during plastic deformation of rare-earth metals 9—52296
Samsonov, A.M. The Weierstrass condition in the dynamic problem of optimizing an elastic plate with a rib 9—81757
Samsonov, B.V., Frei, A.K., Aksenov, N.A. Determination of sorption parameters of delayed-neutron carrier ^{87}Br 9—97828
Samsonov, B.V. *see* Kiselevskii, V.N. 9—91793
Samsonov, G.A. *see* Sysoev, A.A. 9—67421
Samsonov, G.V., Kaidash, N.G., Chastokolenko, P.P. Structure and properties of titanium-aluminide diffusion coatings on carbon steel 9—57156
Samsonov, G.V., Pryadko, L.F., Borisenko, E.G. Possible diffusion mechanism in transition metals of group IV 9—73335
Samsonov, G.V., Ristich, M.M. Perspective of general sintering theory realization on electronic level 9—74111
Samsonov, G.V., Serebryakova, T.I. Classification of borides 9—94985
Samsonov, G.V., Timofeeva, I.I. On chemical bond in metal phases 9—73131
Samsonov, G.V. *see* Goryachev, M.Yu. 9—73420
Samsonov, G.V. *see* Yurchenko, V.S. 9—55678
Samsonov, I.S. *see* Grigor'ev, V.G. 9—80124
Samsonov, M.A. *see* Desyatkov, G.A. 9—90478
Samsonov, V.D. *see* Shcherbinskii, V.G. 9—79212
Samsonov, Yu.I. *see* Pan, V.M. 9—78076
Samsonova, Z.N. *see* Grigor'ev, V.G. 9—80124
Samuel, D. *see* Hofstein, A. 9—48985
Samuel, M.A. *see* Laursen, M. 9—54371
Samuel, M.A. *see* Mikaelian, K.O. 9—97640
Samuel, S. Topological symmetry breakdown and quark confinement 9—71611
Samuel, S. *see* Boghossian, H. 9—90836
Samuelli, M. *see* Ascoli-Bartoli, U. 9—60170
Samuels, L. *see* Ray, N.K. 9—66272
Samuelsen, E.J., Fjaer, E., Semmingsen, D. The phase transition of two-dimensional squaric acid $H_2C_4O_4$ studied by Raman scattering 9—82330
Samuelson, L., Wieder, H., Guarnieri, C.R., Chevallier, J., Onton, A. Fast photoconductor coupled liquid-crystal light value 9—59805
Samuelson, L.E. *see* Fields, C.A. 9—93514
Samuelyan, A.A., Torosyan, O.S., Sharoyan, E.G. Forbidden ESR transition in polycrystalline samples of copper phthalocyanine 9—95638
Samuilov, E.V. *see* Gorbatov, A.V. 9—55464
Samulski, T. *see* Shrivastava, P.N. 9—83944
Samuni, A. *see* Druckmann, S. 9—57587
Samus', A.N. *see* Kandyba, P.E. 9—56400
Samus, D.P. *see* Alekseevskii, N.E. 9—86773
Samus', I.D. *see* Bulyarskii, S.V. 9—90923
Samylin, V.A. *see* Bessarab, A.V. 9—55530
San Miguel, M. A class of exactly solvable Fokker Planck equations 9—63125
San Miguel, M. *see* Garrido, L. 9—63144
San Segundo, T., Rodrigo, F. Nuclear safety in the extraction and transformation of minerals containing uranium 9—63785
Sanada, J., Seki, S., Aoki, Y., Sawada, M., Tagishi, Y., Chuang, L.S. Vector analyzing power in final state interaction region for deuteron breakup reaction 9—71836
Sanada, J., Seki, S., Tagishi, Y., Gruebler, W., Sawada, M., Nagashima, Y., Furuno, K., Chuang, L.S. Measurement on T_{2_1} for proton-deuteron elastic scattering at E_D=20 MeV 9—71857
Sanada, J. *see* Aoki, Y. 9—67757
Sanada, J. *see* Furuno, K. 9—54621, 9—63690
Sanada, J. *see* Tagishi, Y. 9—93853
Sanadze, V.V. *see* Glurdzhidze, L.N. 9—69897
Sanai, M. An incremental model for conversion of solar energy in agricultural systems 9—70457
Sanamyan, V.A., Kandalyan, R.A. Observations of a number of Markaryan galaxies with the radio telescope RATAN-600 9—88737
Sanamyan, V.A., Kandalyan, R.A. Radio emission of the galaxy Markaryan 668 in the frequency range 2.3-14.4 GHz 9—88740
Sanasaryan, N.S. Propulsion of plates by an explosion between them 9—62455
Sances, A., Jr. *see* Battocletti, J.H. 9—83880
Sances, A., Jr. *see* Halbach, R.E. 9—62328
Sanche, L. Resonance transmission of 0-15 eV electrons in solid benzene and pyridine 9—87536
Sanchez, A., Henshaw, P.D., McSheehy, R.B. Fabry-Perot optical switch driven by a fast PZT transducer 9—86251
Sanchez, C., Grana, F. Liquid junction folar cells. Foundations and applications 9—96447
Sanchez, C. *see* Haton, J.-P. 9—59890
Sanchez, D.H. *see* Berchier, J.L. 9—78270
Sanchez, G. *see* Carrasco, L. 9—92788
Sanchez, I.C. *see* Poser, C.I. 9—65296
Sanchez, J. *see* Campbell, I.A. 9—78501
Sanchez, J.M., de Fontaine, D. Cluster approach to order-disorder transitions 9—94943
Sanchez, J.P., Friedt, J.M., Djermouni, B., Jehanno, G. Structural, electronic and magnetic properties of the linear chain compounds $CsMI_3$ (M=V, Cr, Mn) from ^{129}I Mossbauer spectroscopy 9—91320
Sanchez, J.P., Friedt, J.M., Trautwein, A., Reschke, R. Electronic charge and spin distribution in some iron halides from the interpretation of the ^{57}Fe and ^{129}I hyperfine interactions 9—60776
Sanchez, J.P. *see* Cadeville, M.C. 9—78069
Sanchez, J.P. *see* De Jesus Filho, M.F. 9—51890
Sanchez, J.P. *see* Friedt, J.M. 9—61282
Sanchez, J.P. *see* Kuindersma, S.R. 9—61063
Sanchez, L.E. *see* Shepard, N.F., Jr. 9—52907
Sanchez, P.S. An anomalous magnetoelastic effect in nickel 9—82851
Sanchez, R. Transport calculations in cylindrical geometry 9—58655
Sanchez, V. *see* Clifton, M. 9—87852
Sanchez Sarmiento, G. *see* Laura, P.A.A. 9—55310
Sanchez-Gomez, J.L. *see* Bailon, C. 9—58922
Sanchez-Gomez, J.L. *see* Ibanez, L.E. 9—89162
Sanchez-Mondragon, J.J. *see* Mostowski, J. 9—76371
Sanchez-Quesada, F. *see* Conzalez-Diaz, G. 9—82686
Sanchez-Sesma, F.J. Ground motion amplification due to canyons of arbitrary shape 9—88300
Sanchez-Sinencio, F. *see* Vazquez-Lopez, C. 9—100525
Sancho, A.R. *see* Alcouffe, G. 9—66120
Sancho, A.Remon *see* Remon Sancho, A.
Sancho-Garnier, H. *see* Donaldson, S.S. 9—88156
Sancier, K.M., Morrison, S.R. ESR study of photooxidation of quinoline on rutile and effects of surface states 9—66352
Sanctis, E.de *see* de Sanctis, E.
Sanctis, E.De *see* De Sanctis, E.
Sanctis, G.de *see* de Sanctis, G.
Sancton, R.W. *see* Joshi, C.J. 9—86610
Sanctuary, B.C. Energy dependence of rotational cross sections 9—50115
Sanctuary, B.C., Selwyn, L. Accurate low density calculations of the transverse nuclear magnetic relaxation of H_2 9—64017
Sanda, A.I. Nonperturbative determination of $\alpha(q^2)$ and its experimental implications 9—75726
Sanda, A.I. Do ρ, ω, and ϕ mesons know about QCD perturbation theory? 9—85268
Sanda, A.I. *see* Fukugita, M. 9—93412
Sandage, A., Brucato, R. The Las Campanas survey of bright southern galaxies. II. New classifications for 153 systems 9—71113
Sandage, A., Tammann, G.A., Yahil, A. The velocity field of bright nearby galaxies. I. The variation of mean absolute magnitude with redshift for galaxies in a magnitude-limited sample 9—101189
Sandall, O.C., Hanna, O.T. Large Schmidt number mass transfer in turbulent pipe flow 9—90230
Sandalls, F.J. Chemical studies of the upper atmosphere using concorde aircraft. I. Design, construction and testing of air sampling equipment 9—80058
Sandars, P.G.H. *see* Rein, D.W. 9—76366
Sandberg, J.N. *see* Glenn, J.W. 9—72045
Sandberg, J.S. *see* Miller, P.R. 9—83676
Sandberg, O., Backstrom, G. Thermal properties of natural rubber versus temperature and pressure 9—95223
Sandberg, V.D. *see* Matzner, R.A. 9—67201
Sandbu, O. *see* Borgen, O.S. 9—50816
Sande, J.B.V., Hall, E.L. Applications of dedicated scanning transmission electron microscopy to nonmetallic materials 9—87796
Sande, J.B.V. *see* Kingery, W.D. 9—78980
Sande, J.B.Vander *see* Vander Sande, J.B.
Sande, J.Vander *see* Vander Sande, J.
Sandefur, J.T., Jr. *see* Goldstein, J.A. 9—71273
Sandel, B.R. *see* Shemansky, D.E. 9—53878, 9—92816
Sandel, F. *see* Robertson, S.H. 9—73037
Sandel, M., Vary, J.P., Garpman, S.I.A. Pion production in nuclear collisions with Fermi motion effects 9—93622
Sandel, M.S. *see* Vary, J.P. 9—93659
Sandell, H. SIRIO propagation experiments in Finland 9—84338
Sandeman, R.J. *see* Hornung, H.G. 9—50752
Sanden, J.Van de *see* Van de Sanden, J.
Sander, C. *see* Bleszynski, M. 9—97695
Sander, C. *see* Kurobane, I. 9—83856
Sander, G. *see* Grunewald, G. 9—100589
Sander, H.G. *see* Brandelik, R. 9—63491, 9—93441
Sander, K.F., Reed, G.A.L. Transmission and propagation of electromagnetic waves 9—50198
Sander, L. *see* Hehenkamp, T. 9—86789
Sander, L.M. *see* Bimberg, D. 9—69882
Sander, L.M. *see* Rose, J.H. 9—82530
Sander, O. *see* Minehart, R. 9—76032
Sander, O.R., Jameson, R.A., Patton, R.D. Recent improvements in beam diagnostic instrumentation 9—72153
Sander, O.R. *see* Nefkens, B.M.K. 9—85323
Sander, U., Bukow, H.H. Study of crystallographic transformation of carbon foils under ion irradiation 9—55794
Sandera, J., Cenek, M., Touskova, A. Some new possibilities of improving parameters of alkaline accumulators 9—70447
Sandera, J. *see* Calabek, M. 9—70446
Sandercock, J.R. *see* Bortolani, V. 9—78694
Sanderichin, A. *see* Yaniv, Z. 9—69614
Sanders, B.R. *see* Dwyer, H.A. 9—64794
Sanders, C.L., Mahaffey, J.A. Carcinogenicity of inhaled air-oxidized $^{239}PuO_2$ in rats 9—66492
Sanders, C.O., Slemmons, D.B. Recent crustal movements in the Central Sierra Nevada-Walker Lane region of California—Nevada. III. The Olinghouse fault zone 9—79840
Sanders, D.B. *see* Solomon, P.M. 9—101183
Sanders, D.J., Kwun, H., Hikata, A., Elbaum, C. Athermal processes in the plastic deformation of BCC ^{4}He 9—56017
Sanders, G. *see* Floyd, R. 9—72157
Sanders, G. *see* van Dyck, O.B. 9—71994
Sanders, G.H. *see* Anderson, K.J. 9—67612
Sanders, G.H. *see* Branson, J.G. 9—89211
Sanders, G.H. *see* Hogan, G.E. 9—63552
Sanders, G.H. *see* Newman, C.B. 9—63553
Sanders, I.L., Kryder, M.H. Dynamics of 1 μm bubbles in ion-implanted contiguous disk structures 9—78474
Sanders, R. *see* Bertsche, A. 9—72005
Sanders, R.A., Konecny, R.S. 30 μA beam toroid 9—68072
Sanders, R.C. *see* Camp, A.L. 9—67930
Sanders, R.C. *see* Mueller, G.E. 9—49729
Sanders, R.H. *see* Tubbs, A.D. 9—71112
Sanders, S.M. Isolation and characterization of individual plutonium-bearing particles in atmospheric effluents from a nuclear processing plant 9—63757
Sanders, T.G., Adrian, D.D. Sampling frequency for river quality monitoring 9—53380
Sanders, T.G. *see* Brazil, L.E. 9—52971
Sanders, T.W. *see* Williams, D.R. 9—87910
Sanders, V., Madan, S., Chow, W., Scully, M. Properties of a Zeeman multioscillator ring laser gyro 9—72604
Sanders, V.E. Polarization characteristics of an anisotropic ring laser 9—59726
Sanders, V.E. *see* Anderson, D.Z. 9—59742
Sanders, W.R. *see* Levine, A. 9—64442
Sanderson, A.C. *see* Wall, C., III 9—92216
Sanderson, G.K. *see* Bunch, P.C. 9—74752
Sanderson, J.G. Reconstruction of fuel pin bundles by a maximum entropy method 9—63883
Sanderson, J.J. *see* Gary, S.P. 9—90400
Sanderson, N.E. *see* Bhowmik, R.K. 9—93649
Sandesara, N.D. *see* Crabtree, G.W. 9—65363
Sandford, B.P. *see* Bernstein, L.S. 9—92589
Sandford, S. *see* Paciotti, M. 9—79629
Sandhas, W. *see* Alt, E.O. 9—75935, 9—75936
Sandhas, W. *see* Perne, R. 9—71794
Sandhu, H.S. *see* Watton, A. 9—73839
Sandhu, N., Jameson, G.J. An experimental study of choked foam flows in a convergent-divergent nozzle 9—64750
Sandhu, T.S., Rustgi, M.L. Deformed nuclei in the Lipkin-Nogami approach 9—59006
Sandhu, T.S. *see* Rustgi, M.L. 9—89287
Sandiford, D.J. *see* Bagley, M. 9—51347
Sandiford, D.J. *see* Parpia, J.M. 9—51357
Sandig, R. *see* Einfeldt, J. 9—86534, 9—86535
Sanditov, D.S. Method of calculating the volume of fluctuation microcavities in silicate glasses 9—65000
Sanditov, D.S., Tsydypov, Sh.B. Viscosity and free volume of inorganic glasses 9—94916
Sandler, B. *see* Beretvas, A. 9—89179
Sandler, B. *see* Jonckheere, A. 9—63527
Sandler, B. *see* Ratner, L.G. 9—67608
Sandler, B.H. *see* King, R.W.P. 9—89830, 9—92482
Sandler, B.Z., Slonim, A., Slonim, M., Tslaf, A., Weinberg, M. A method for measuring small displacement 9—77032
Sandler, H. *see* Ghista, D.N. 9—53179
Sandler, H. *see* Ray, G. 9—96601
Sandler, H. *see* Shimizu, M. 9—92282
Sandler, L.M. *see* Popov, V.P. 9—61746
Sandler, M.S. *see* Aleksandrovich, G.Ye. 9—81640
Sandler, S.I. *see* Kesler, M.G. 9—95184
Sandler, S.I. *see* Narten, A.H. 9—99053
Sandler, V.S. *see* Fridlyander, I-N-. 9—52135
Sandlin, G.D. *see* Bartoe, J.-D.F. 9—53794
Sandlin, G.D. *see* Jordan, C. 9—53795
Sandlin, L.L. *see* Williams, W.D. 9—89451
Sandmann, W. *see* Weber, J. 9—60573, 9—73391
Sandner, W. *see* Bohm, R. 9—63589
Sandner, W. *see* Witthuhn, W. 9—51895
Sando, K.M., Erickson, G.J., Binning, R.C., Jr. Extended pairwise additivity: interactions of degenerate atoms with rare-gas atoms 9—89728
Sando, M., Tanemura, S., Fujii, A., Noguchi, T. The testing procedures of thermal performance of solar collector at Solar Research Lab., GIRI 9—62066
Sandoe, E. *see* Gymoese, E. 9—70663

Sandoli, M., De Rosa, A., Inglima, G., Perillo, E., Rosato, E., Spadaccini, G. ASPIS: A suitable code for prequilibrium spectrum analysis 9—68174

Sandoli, M. *see* de Rosa, A. 9—63652

Sandomirskii, M.M. Effect of copper on the mechanical properties of steels of different classes 9—79012

Sandomirskii, V.B. *see* Sablikov, V.A. 9—73588

Sandomirskii, V.B. *see* Volkov, V.A. 9—99598

Sandor, T., Sridhar, B., Paulin, S. Remote densitometric analysis of stenotic lesions 9—83900

Sandorff, P.E., Tajima, Y.A. The experimental determination of moisture distribution in carbon/epoxy laminates 9—65252

Sandorfi, A.M. *see* Litherland, A.E. 9—72193

Sandorfy, C. *see* Olivato, P.R. 9—50037

Sandoval, A. *see* Wolf, K.L. 9—63693

Sandoval, H.F.R. *see* Gallardo, M. 9—81448

Sandoval, H.F.Ranea *see* Ranea Sandoval, H.F.

Sandoval, R.P. Resonator configuration for the suppression of relaxation oscillations in a long-pulsed ND:YAG laser 9—72599

Sandquist, G.M., Smith, L.M., Kolff, W.J., Bifano, N., Romine, J. The development and in vivo evaluation of an integrated electrically powered mechanical blood pump 9—53285

Sandreczki, T. *see* Brown, I.M. 9—78523

Sandri, S. *see* Vivalda, E. 9—64438

Sandstrom, H. *see* Lazier, J. 9—79880

Sanduleak, N., MacConnell, D.J., Philip, A.G.D. The planetary nebula systems of the Magellanic Clouds 9—58405

Sandulescu, A. *see* Magda, M.T. 9—67803

Sandulescu, A. *see* Poenaru, D.N. 9—93566

Sandulescu, A. *see* Ponenaru, D.N. 9—93565

Sanduloviciu, M. *see* Alexandroaiei, D. 9—90487

Sandy, F. Combining series sections weighting with withdrawal weighting in surface acoustic wave transducers 9—81666

Sane, A.Y., Cooper, A.R., Abou-El-Leil, M. Mottled patterns in glass plates with nonuniform temper 9—61750

Sane, K.V., Saxena, R.P., Srivastava, P.K. On the summation of the Brillouin-Wigner type perturbation series 9—81149

Sanecki, J.E. *see* Johnson, D.L. 9—67824

Sanelli, C. *see* Bassetti, M. 9—72066

Sanesi, M. *see* Cingolani, A. 9—60507

Sanfirov, Yu.Z. *see* Averkin, A.A. 9—73438, 9—73536

Sanford, K.K. *see* Gantt, R. 9—96615

Sanford, L. Solar energy. II. A place in the sun 9—96425

Sanford, L. Solar energy. I. A place in the sun 9—100482

Sanford, P.W. Observations of compact X-ray sources 9—58443

Sanford, P.W. *see* Branduardi, G. 9—71157

Sanford, P.W. *see* Lamb, P. 9—84869

Sanford, R.J., Dally, J.W. A general method for determining mixed-mode stress intensity factors from isochromatic fringe patterns 9—77030

Sanford, R.J. *see* Dally, J.W. 9—55339

Sang Ho Ahn *see* Dong Nyung Lee 9—91606

Sang Hoon Lee, Kwan Sik Chun, Young Ku Yoon Sorption and migration studies of fission products for ground waste disposal 9—54523

Sang Yu Woon *see* Woon Sang Yu

Sangal, S.S. *see* Srivastava, K.S. 9—91534

Sangameswar Rao, K. *see* Soin, R.S. 9—62052

Sangaya, M., Korde, M.S., Navaneeth, G.N. A technique to evaluate meteoric contribution to LF propagation 9—84514

Sanger, P.A., Marancik, W., Mayer, E., Adam, E., Gregory, E. Developments in large internally cooled high field superconductors 9—54144

Sangiorgi, R. *see* Passerone, A. 9—74132

Sangster, D.F. *see* Quickenden, T.I. 9—89738

Sangwal, K., Patel, T.C., Kotak, M.D. Chemical etchants to reveal old and fresh dislocations in MgO crystals 9—65088

Sangwal, K., Patel, T.C., Kotak, M.D. On the kinetics and mechanism of dissolution of MgO crystals 9—79136

Sangwal, K. *see* Urusovskaya, A.A. 9—95051

Sanh Le *see* Geisler, C.D. 9—70554

Sanhueza, J.E., Tapia, O., Laidlaw, W.G., Trsic, M. On the application of the variational principle to a type of nonlinear 'Schrodinger equation' 9—63065

Sani, M. *see* Bergamini, P.G. 9—76254

Sanifirov, Yu.Z. *see* Averkin, A.A. 9—73516

Sanikidze, D.G. *see* Karchava, T.A. 9—90842

Sanin, A.L. *see* Rykov, V.A. 9—55500

Sanin, V.M. *see* Get'man, V.A. 9—63487, 9—89170

Sanina, V.A. *see* Manenkov, A.A. 9—65507

Sanjeevaiah, B. *see* Ranganathaiah, C. 9—72285

Sanjurjo, J.A., Porto, S.P.S., Silberman, E. Measurement of the A_1-modes reflectivity of $BaTiO_3$ 9—65875

Sank, V.J. *see* Brooks, R.A. 9—66527

Sankala, V.K. *see* Puri, G.G. 9—62024

Sankar, C., Sivasankar, V.S., Whippey, P.W. F_x centres in cesium halides 9—82204

Sankar, S.G. *see* Fish, G.E. 9—78327

Sankar, S.G. *see* Gupta, N. 9—82822

Sankar, S.G. *see* Martis, R.J.J. 9—51814

Sankar, S.G. *see* Obermyer, R. 9—78342

Sankaranarayanan, S., Paranjpe, P.A. Application of turbopack in solar energy systems 9—62021

Sankey, O.F., Fedders, P.A. Correlation functions for simple hopping in a face-centred-cubic lattice 9—95202

San'ko, N.F. *see* Moroz, V.I. 9—66949

San'ko, V.A. *see* Strekalov, P.V. 9—52512

Sankovich, D.P. *see* Kurbatov, A.M. 9—85070

Sann, H. *see* Berlanger, M. 9—67636

Sann, H. *see* Lynen, U. 9—72202

Sanna, G. Momentum transmission of a diaphragmed magnetic spectrometer. I. Analysis and definitions 9—67366

Sanna, G., Donnettie, M. Momentum transmission of a diaphragmed magnetic spectrometer. II. First-order calculations 9—67367

Sannigrahi, A.B. *see* Niyogi, B.G. 9—89596

Sannikov, B.P. *see* Laptev, V.D. 9—81119

Sannikov, D.G. Phenomenological theory of phase transitions in Rochelle salt 9—69790

Sannikov, D.G. Lifshits points for bidimensional representations 9—93086

Sannikov, D.G. *see* Lyubimov, V.N. 9—90860

Sano, H., Tachiya, M. Partially diffusion-controlled recombination 9—100409

Sano, H. *see* Ikuta, S. 9—76341

Sano, K. *see* Aoyagi, Y. 9—76847

Sano, K. *see* Tamaoki, T. 9—97854

Sano, M., Sawada, Y. Optical and acoustical investigations of critical fluctuation and critical slowing for the convectional instability 9—77075

Sano, T., Yokoyama, H. Continuous plant for the production of polyester and analysis of reaction in polycondensation stage 9—100361

Sano, T. *see* Ohmichi, T. 9—73301

Sano, Y., Yokoyama, M., Shirota, Y., Mikawa, H. Singlet excitation energy migration in the glassy and single crystalline states of 1,3-diphenyl-5-(p-chlorophenyl)-2-pyrazoline 9—95831

Sanokawa, K. *see* Seki, M. 9—81990

Sansonetti, J.E., Furdyna, J.K. Microwave propagation in semiconductor powders: the Rayleigh limit 9—78126

Sansonetti, J.E., Mullin, D.P., Dixon, J.R., Furdyna, J.K. Electron paramagnetic resonance in powered semiconductors and semimetals 9—99749

Sansores, L.E. *see* Taguena-Martinez, J. 9—56554, 9—73728, 9—95562

Sant, Y. *see* Druyan, L.M. 9—88397

Santaga, P. *see* Marshall, R.E. 9—84343

Santago, P. *see* Meadows, D.N. 9—80590

Santamaria, J., Gea, M., Bescos, J. Optical pseudocolouring through contrast reversal filtering 9—81378

Santamaria, J., Lombardero, M. Theory of binary mixtures in the quasichemical approximation. II. Excess functions 9—68992

Santamaria, J. *see* Le Montreer, J.P. 9—72681

Santamaria, J. *see* Lombardero, M. 9—68991

Santamaria, T.Poblan *see* Poblan Santamaria, T.

Santamarina, J. SU(4) Yang-Mills field solution 9—71584

Santamato, E. *see* Lavenda, B.H. 9—97304

Santana, O. *see* Moreno-Diaz, R. 9—53108

Santangelo, R. *see* Balestri, L. 9—58015

Santarato, G. *see* Iliceto, V. 9—80041

Santarelli, V. Intrinisc angular momentum of light 9—58483

Santen, J.A.van *see* van Santen, J.A.

Santen, R.A.van *see* van Santen, R.A.

Santen, R.A.Van *see* Van Santen, R.A.

Santhanam, A. *see* Swaminadham, M. 9—81824

Santhanam, A.T., Gupta, T.K., Carlson, W.G. Microstructural evaluation of multicomponent ZnO ceramics 9—55750

Santhanam, A.T. *see* Gavaler, J.R. 9—56099

Santhanam, A.T. *see* Willertz, L.E. 9—100258

Santhanam, I. *see* Chakrabarty, S. 9—67555

Santhanam, K.S.V. *see* Vaz, F. 9—88046

Santhanam, V.C. *see* Gupta, C.L. 9—70460

Santiago, M.de *see* de Santiago, M.

Santilli, R.M. Isotopic breaking of gauge symmetry 9—97517

Santimateo, D. *see* Quintella, H.M. 9—53261

Santin, P. *see* Crivellari, L. 9—58267, 9—62758

Santin, P. *see* Pasian, F. 9—58270

Santin, P. *see* Pucillo, M. 9—58256, 9—58258, 9—62756, 9—62757

Santinelli, A. *see* Granzini, R. 9—59217

Santini, M. *see* Brushci, L. 9—55959

Santis, P.De *see* De Santis, P.

Santner, J.S., Eylong, D. Fatigue behavior and failure mechanisms of modified 7075 aluminum alloys 9—100252

Santo, R. *see* Gordon, J.G., II 9—76836

Santo, R. *see* Lohner, H. 9—93642

Santomauro, L., Bacci, P., Longhetto, A., Anfossi, D., Richiardone, R. Experimental evaluation of diffusion parameters on a local scale by means of a no-lift balloons 9—70853

Santon, F. *see* Gensane, M. 9—81632

Santoni, C. *see* Jonker, M. 9—93399

Santonico, R. *see* Angelini, C. 9—67548

Santonico, R. *see* Conversi, M. 9—54744

Santonico, R. *see* Esposito, B. 9—63489

Santonico, R. *see* Read, A.L. 9—49510

Santoro, A., Roth, R.S., Minor, D. Neutron powder diffraction study of tantalum tungstate, Ta_2WO_8 9—55706

Santoro, G. *see* Bortolani, V. 9—78694

Santoro, R.T., Lillie, R.A., Alsmiller, R.G., Jr., Barnes, J.M. Two- and three-dimensional neutronics calculations for the Tokamak fusion test reactor neutral beam injectors 9—59253

Santoro, R.T., Lillie, R.A., Alsmiller, R.G., Jr., Barnes, J.M. Two- and three-dimensional neutronics analyses of the TFTR neutral-beam injectors 9—59261

Santoro, R.T. *see* Seki, Y. 9—67951

Santoro, R.T. *see* Uckan, N.A. 9—76120

Santoro, V. *see* Armenante, M. 9—54997

Santos, A.dos *see* dos Santos, A.

Santos, E. *see* Blanco, R. 9—75373

Santos, F.C. *see* Kodama, T. 9—85226

Santos, M.B.C. *see* Filho, J.B. 9—58989, 9—58992, 9—63561

Santos, N.O. *see* Som, M.M. 9—71303

Santos, P.Marques dos *see* Marques dos Santos, P.

Santos, P.Marques Dos *see* Marques Dos Santos, P.

Santos, P.S., Temperini, M.L.A., Sala, O. The antiresonance Raman effect of the RuO_4^{2-} ion 9—50019

Santos M. do Carmo A. *see* M. do Carmo A. Santos

Santry, D.C. *see* Cohen, E.J. 9—93562

Santucci, S. *see* Giordano, M. 9—94871

Santus, R. *see* Gresset, C. 9—87855

Sanuki, H. *see* Watanabe, T. 9—90392

Sanuki, H. *see* Weiland, J. 9—77364, 9—98903

Sanwald, W. Superconductivity: energy transport without loss 9—60955

Sanyal, N.K., Srivastava, S.L., Goel, R.K. Vibrational spectra of 3-fluoror-4-chloroaniline 9—81198

Sanyal, N.K. *see* Lal, H.B. 9—56224

Sanygin, V.P. *see* Izotov, A.D. 9—60302

Sanz, J., Stone, W.E.E. NMR study of micas. II. Distribution of Fe^{2+}, F^-, and OH^- in the octahedral sheet of phlogopites 9—82183

Sanz, J.L. *see* Ibanez, J. 9—71683

Sanzone, M. *see* Capitani, G.P. 9—72034

Sanzyo, M. *see* Satow, T. 9—51578

Sao Gen-jin *see* Chao Bo-lin 9—80188

Saos, J.P.Le *see* Le Saos, J.P.

Sapareto, S.A., Raaphorst, G.P., Dewey, W.C. Cell killing and the sequencing of hyperthermia and radiation 9—100673

Sapareto, S.A. *see* Raaphorst, G.P. 9—74727

Sapelkin, N.V. *see* Antonov, A.S. 9—72558

Sapershtein, E.E., Tolokonnikov, S.V. On the 0^- levels of the ^{16}O nucleus 9—75840

Saperstein, E.E., Starodubskii, V.E. Elastic and inelastic scattering of fast protons and electrons from nuclei and self-consistent calculations of nuclear densities 9—80928

Saperstein, E.E. *see* Fayans, S.A. 9—97660

Saperstein, W.A. *see* Garner, C.M. 9—87141

Sapezhinskii, I.I., Dontsova, Ye.G. Intensification of X-ray induced chemiluminescence from solutions of serum albumin by the addition of dyes 9—79470

Sapezhinskii, I.I. *see* Naidan, D. 9—53044

Sapieha, S., Wertheimer, M.R., Yelon, A. A simple method for breakdown voltage measurements in thin films 9—87388

Sapir, J.L. *see* Cobb, D.D. 9—85600, 9—85611

Sapiro, V.B. *see* Semenov, V.M. 9—87732

Sapogin, V.G. *see* Davydovskii, V.Ya. 9—55505

Sapola, V.J. *see* Gimbutis, G.I. 9—98711

Saporetti, F., Fabrri, F., Guidotti, R. Investigation of giant E3 resonances by (N, γ) reactions 9—67727

Saporetti, F. *see* Rigaud, F. 9—93617

Sapoval, B. *see* Gourier, D. 9—99778

Sapoval, B. *see* Leloup, J.Y. 9—51473

Sapozhnikov, A.N. *see* Kashaev, A.A. 9—60345

Sapozhnikov, M.G. *see* Falomkin, I.V. 9—85376

Sapozhnikov, V.K. *see* Gangardt, V.A. 9—65136

Sapozhnikov, V.K. *see* Vouk, Yu.V. 9—94178

Sapozhnikova, A.B. *see* Frantsevich, I.N. 9—70019

Sapozhnikova, V.A. *see* Antipov, A.B. 9—66383

Sapp, W.W. *see* Leitch, M.J. 9—85451

Sappa, N.N. *see* Lavrent'ev, O.A. 9—90447

Sapper, H., Lohmann, W. Stacking interaction of nucleobases: NMR investigations. III. Molecular aspects of the solvent dependence 9—62170

Sapre, A.K. *see* Thakur, R.K. 9—97095

Sapriel, J., Boudou, A., Perigaud, A. Study of the phase transition of benzil by simultaneous Raman-scattering and domain-structure investigations 9—60504

Sapronova, Z.N. *see* Chaporova, I.N. 9—79007

Sapse, A.-M. *see* Hecht, C.E. 9—69239

Saptsin, V.M. *see* Kazanskii, A.G. 9—82629

Sarada, T., Granata, R.D., Foley, R.T. Properties of trifluoromethanesulfonic acid monohydrate pertinent to its use as a fuel cell electrolyte 9—61969

Sarada Gopinathan *see* Pandit, S.K. 9—79239

Saraev, Yu.V. *see* Uglov, F.G. 9—57811

Saraeva, I.M. *see* Telesnin, R.V. 9—99735

Sarah, N., Schubert, K. Crystal structure of Pd_5Bi_2 9—51053

Sarai, A. Energy-gap and temperature dependence of electron and excitation transfer in biological systems 9—62187
Sara'kin, A.I. *see* Apokin, V.D. 9—67615
Saralidze, Z.K. Radiation creep rate as a function of point defect formation rate and of temperature 9—69187
Saralidze, Z.K. Radiational growth due to diffusional anisotropy 9—71897
Saralidze, Z.K. *see* Vladimirov, V.I. 9—73166
Sarama, P.K. *see* Ramakrishna, K. 9—55388
Saran, T., Paul, I.B., Chatterjee, D.S., Ramachandran, V., Mukherjee, P.N. Pore structure of silica gel 9—52786
Saranchuk, E.F. Study of some ways for diminishing the starting tension of winding and unwinding motion picture film 9—58815
Sarantsev, V.V. *see* Kravtsov, A.V. 9—76026
Saraph, V.R., Vasudeva Rao, B., Panikar, J.T. Stability of parallel flows by the finite element method 9—81843
Sararu, A. *see* Balea, E. 9—63520
Saraswat, K.C. *see* Reif, R. 9—99228, 9—99229
Saraswat, R.S. *see* Kumar Jain, A. 9—65715
Saray, I. Demonstration of ferromagnetic domains with the transmission electron microscope 9—56565
Sarazin, C.L., Rybicki, G.B., Flannery, B.P. An asymptotic limit to optical pumping in a opaque region 9—70947
Sarazin, C.L. *see* Flannery, B.P. 9—53871
Sarazin, G. *see* Michard, G. 9—74913
Sarbach, S. *see* Fisher, M.E. 9—78392
Sarbei, O.G. *see* Danil'chenko, B.A. 9—99273
Sarber, W.K. *see* Natelson, M. 9—67931
Sarbey, O.G. *see* Asche, M. 9—51596
Sarbu, C. *see* Birjega, M.I. 9—60657, 9—77965, 9—82496
Sardarov, S.S., Alibekov, B.I. Determination of periodic variations of helium concentration in natural gas 9—62608
Sardyko, V.I. Control of the emission spectrum of a ring laser by magnetic-field-induced phase anisotropy of the active medium 9—94264
Sare, E.J. *see* Angell, C.A. 9—51239
Sare, I.R., Honeycombe, R.W.K. Microstructural effects of splat cooling a high-speed steel 9—61624
Sare, J.M. *see* Angell, C.A. 9—51239
Sargautis, A.J., Dagys, R.S. Direct exchange between $3D^N$ ions 9—69668
Sargent, A.I. *see* Koppenaal, K. 9—67072
Sargent, C.P. *see* Bertozzi, W. 9—68129
Sargent, C.P. *see* Hynes, M.V. 9—63658
Sargent, C.P. *see* Leitch, M.J. 9—85451
Sargent, C.P. *see* Lichtenstadt, J. 9—93490
Sargent, C.P. *see* Miska, H. 9—63583
Sargent, G.A. *see* Conrad, H. 9—66142
Sargent, G.E.G. *see* Orme, G.R. 9—84222, 9—84224
Sargent, L.B., Jr. On the fundamental nature of metal-metal adhesion 9—52616
Sargent, T., III, Stauffer, H. Whole-body counting of retention of ^{67}Cu, ^{32}P and ^{51}Cr in man 9—62378
Sargent, W.L.W., Young, P.J., Boksenberg, A., Carswell, R.F., Whelan, J.A.J. A high-resolution study of the absorption spectra of the QSOs Q0002—422 and Q0453—423 9—62925
Sargent, W.L.W. *see* Arp, H. 9—62899
Sargent, W.L.W. *see* Kent, S.M. 9—71107
Sargent, W.L.W. *see* Kunth, D. 9—58417, 9—75274
Sargent, W.L.W. *see* Young, P.J. 9—53928
Sargsyan, M.P. *see* Veinger, A.I. 9—91135
Sari, S.O., Huber, E.D. Study of oxide interlayers formed reactively at a silver-electrolyte boundary 9—69856
Sari, S.O. *see* Huber, E.D. 9—58804
Sarid, D. High efficiency intput-output prism waveguide coupler: an analysis 9—98468
Saridzhanov, K.A., Yuzbekov, R.A. The axially symmetric stress state of the uniformly rotating disk of elastic-visco-plastic material 9—50611
Sarig, S., Eidelman, N., Glasner, A., Epstein, J.A. The effect of supersaturation on the crystal characteristics of potassium chloride 9—52101
Sarig, S., Leci, C.L., Eidelman, N. Agglomeration of potassium chloride crystals from supersaturated aqueous solutions 9—90580
Saringer, J.H. *see* James, D.F. 9—60029
Saringyulyan, R.S. *see* Lor'yan, S.G. 9—65487
Saris, F.W. *see* Van Der Veen, J.F. 9—61483
Saris, F.W. *see* Wiggers, L.W. 9—86824
Sar'ivanov, L.A. *see* Rashev, Ts.V. 9—86889
Sarjeant, W.J. *see* Willis, C. 9—50905
Sarkany, J. *see* Solymosi, F. 9—70369
Sarkar, A.D. *see* Clarke, J. 9—96156
Sarkar, A.D. *see* Figgis, D.L. 9—52392
Sarkar, C.K., Chattopadhyay, D. High frequency mobility of polar semiconductors in a longitudinal quantizing magnetic field 9—51619
Sarkar, C.K., Chattopadhyay, D. Longitudinal magneto-Seebeck coefficient in a polar semiconductor in quantizing magnetic fields 9—56250
Sarkar, C.K., Chattopadhyay, D. Oscillatory electron-diffusion thermopower of degenerate semiconductors under magnetic quantization 9—91088
Sarkar, C.K., Chattopadhyay, D. The effect of electron spin on plasma frequency of a narrow-gap semiconductor in quantizing magnetic fields 9—95436
Sarkar, P.C., Singh, G.C. Molecular constants of some trihalides of group IIIA belonging to D_{3h} system 9—54992
Sarkar, P.C., Singh, G.C. Lattice thermal conductivity of NaF at low temperatures 9—90834
Sarkar, P.K., Prasad, M.A. Prediction of statistical error and optimization of biased Monte Carlo transport calculations 9—58654
Sarkar, P.K. *see* Ghosh, S.N. 9—53641
Sarkar, R.L., Chatterjee, S. Electronic structure and optical properties of AlP, AlAs, and AlSb 9—99479
Sarkar, S. *see* Biswas, S. 9—80154
Sarkar, S.K., Bhattacharya, A.B., Sen, A.K. Some studies on VLF atmospherics over Calcutta 9—88550
Sarkar, S.K., Das, S.K., Roy, D. Phonon dispersion in alkali metals and cross-over in lithium 9—60445
Sarkar, S.K., Das, S.K., Roy, D. Three-body interaction and lattice dynamics of Mo and Au 9—99280
Sarkar, S.K. *see* Basuray, A. 9—72507
Sarkar, S.K. *see* Bhattacharya, A.B. 9—70842
Sarkar, S.K. *see* Dasgupta, M.K. 9—88636
Sarkar, S.K. *see* Daskaviraj, S.K. 9—96764
Sarkar, S.K. *see* Ghoshal, S.K. 9—54899
Sarkisov, P.D. *see* Pavlushkin, N.M. 9—60280
Sarkisov, S.E. *see* Kaminskii, A.A. 9—50303, 9—91466
Sarkisov, V.Kh. *see* Avakyan, E.M. 9—69806
Sarkisov, Yu.A. *see* Sokhranov, N.N. 9—62625
Sarkisova, L.G. *see* Marutyan, N.A. 9—67616
Sarkissian, A.V. *see* Papoyan, V.V. 9—96906
Sarkissian, B.V.B. Resonance and relaxation effects in solid-solution alloys 9—82865
Sarkisyan, A.S. *see* Avakyan, V.V. 9—49564
Sarkisyan, A.Ts. *see* Vardanyan, R.L. 9—77496
Sarkisyan, E.A. *see* Kirakosyan, A.A. 9—91397
Sarkisyan, N.Z. *see* Dzhotyan, A.P. 9—78011
Sarkisyan, R.Ts. *see* Avakyan, R.O. 9—59051
Sarkisyan, S.T. *see* Gulgazaryan, K.A. 9—97373
Sarkisyan, V.S. *see* Berigin, N.N. 9—77237
Sarkusyan, A.A. *see* Grigor'ev, Yu.M. 9—100432
Sarlet, W. On the transition between second-order and first-order systems within the context of the inverse problem of Newtonian mechanics 9—53968
Sarlet, W. Asymptotic convergence of averaging methods. Comparative study of different proofs and results 9—97188
Sarlos, G. *see* Arndt, E. 9—97758
Sarma Polarisation characteristics of Amici roof prism 9—72647
Sarma, A.V., Subrahmanyam, T.V.S., Subba Rao, K. Ultrasonic study of binary mixtures 9—95081
Sarma, A.V.S.S.S.R., Kutty, T.G.G. Color photography in photoelasticity 9—72865
Sarma, B.K. *see* Bastuscheck, C.M. 9—63219
Sarma, C.R., Dinesha, K.V. Spin-free configuration-interaction study of molecules using single-parameter alternant molecular orbitals 9—85887
Sarma, D.D. *see* Rao, C.N.R. 9—78839
Sarma, H.N. *see* Karami, H. 9—75789
Sarma, K.S. *see* Rama Rao, Y.V. 9—98653
Sarma, K.S. *see* Shanker, N.B. 9—57936
Sarma, K.S. *see* Thajuddin, M. 9—64557
Sarma, K.V. *see* Paul, H.S. 9—51910
Sarma, N. *see* Jain, A.K. 9—63681
Sarma, N. *see* Ramaswamy, C.R. 9—54391
Sarma, N.H. *see* Binnie, D.M. 9—54343
Sarma, N.V.L.S., Bhaskar Roo, P. An analytical method for predicting the temperature distribution in an irradiated fuel pin bundle 9—89472
Sarma, P.R., Sharma, A.K., Tripathi, K.C. A constant velocity Mossbauer spectrometer free of long-term instrumental and radioactive decay drifts in the count rate 9—93866
Sarma, P.R. *see* Tripathi, K.C. 9—65776
Sarma, P.V.B.A.S. *see* Ramachandra Rao, B.S. 9—72802
Sarma, V.V.S. *see* Dante, H.M. 9—64435, 9—68504
Sarmah, S.K. Observation of higher seismicity associated with lower premonsoon rainfall in North-East India 9—79742
Sarmiento, G., Uhlherr, P.H.T. Batch sedimentation of red mud suspensions in an inclined tube 9—64743
Sarmiento, G.Sanchez *see* Sanchez Sarmiento, G.
Sarna, C.S. *see* Stark, H. 9—81366, 9—92373
Sarna, R.K., Bahadur, B., Bhide, V.G. Refractive indices, density and order parameter of two liquid crystals HBT and OBT 9—55657
Sarna, S.P., Ali, S.M.J. Stress distribution around holes in wedges 9—94566
Sarode, P.R., Ramasesha, S., Madhusudan, W.H., Rao, C.N.R. Relation between effective atomic charge and chemical shifts in X-ray absorption spectra of transition-metal compounds 9—78788
Sarode, P.R. *see* Madhusudan, W.H. 9—56885
Saroyan, R.A. *see* Linford, G.J. 9—81436
Sarracino, J.S. *see* Carrington, R.L. 9—76257
Sarrak, V.I., Filippov, G.A. Brittleness of martensite 9—57104
Sarrak, V.I. *see* Konoplev, A.M. 9—61698
Sarrak, V.I. *see* Zabil'skii, V.V. 9—66085, 9—100176
Sarrazin, T. *see* Vanderschaeve, G. 9—79027
Sartakov, B.G. *see* Averin, V.G. 9—89896
Sarti, D. *see* Oualid, J. 9—78163
Sarti-Fantoni, P. *see* Donati, D. 9—83019
Sartorelli, G. *see* Basile, M. 9—76275
Sartori, G. Discrete symmetries, natural flavor conservation and weak mixing angles 9—49438
Sartori, G. *see* Barone, L.M. 9—80835
Sartori, S.M. *see* Barone, L.M. 9—80835
Sartorius, R., Jost, D. The fluorocarbon ozone problem 9—96826
Sartwell, B.D., Campbell, A.B., III, Covino, B.S., Jr., Driscoll, T.J. Applications of ion implantation to metallic corrosion 9—52447
Saruev, G.A. *see* Kalinin, B.N. 9—68123
Saruwatari, M., Nawata, K. Semiconductor laser to single-mode fiber coupler 9—76807
Sarver, M.D., Staroba, J.E. Corneal edema with contact lenses under closed-eye conditions 9—96553
Sarychev, A.K., Vinogradoff, A.P. Percolation in anisotropic systems and structure of the infinite cluster 9—93063
Sarychev, A.P. Optical depth of the CO molecular layer on the Sun and the rotational temperature 9—96988
Sarzhevskii, A.M. *see* But'ko, A.I. 9—85989
Sarzhevskii, A.M. *see* Gaisenok, V.A. 9—93978
Sarzhevskii, A.M. *see* Koyava, V.T. 9—87505
Sarzynski, A. *see* Kaliski, S. 9—50884
Sarzynski, J. *see* Ryba-Romanowski, W. 9—87476
Sasa, P., Cronenberg, A., Stevenson, M.G. A consideration of fuel motion potential due to volatilization of metallic fission product inclusions 9—49746
Sasa, T. *see* Akiyama, T. 9—81018
Sasa, Y. *see* Uda, M. 9—59392
Sasada, T. One-dimensional ϕ^4 system in an external field 9—63136
Sasada, T. *see* Honda, T. 9—51294, 9—69010, 9—77796, 9—99341, 9—99342
Sasada, Y., Niide, Y., Takano, M., Satoh, T. Microwave spectrum of 3-bromopropene in the excited torsional states 9—63988
Sasagase, M. *see* Tagishi, Y. 9—67740
Sasagawa, F. *see* Natsume, Y. 9—78505
Sasai, Y., Yamazoe, Y., Okuyama, M., Nishino, T., Hamakawa, Y. Observation of deep impurity levels in $In_{0.85}Ga_{0.15}As_{0.39}P_{0.61}$ 9—87058
Sasakawa, T. Antisymmetrized four-body wave function and coexistence of single particle and cluster structures 9—54399
Sasakawa, T. Some phenomena near nuclear surfaces 9—75931
Sasakawa, T., Sawada, T. ^3H bound state for the Reid soft-core potential: exact calculation by a perturbational approach 9—63602
Sasakawa, T., Sawada, T. Perturbation approach to the ^3He bound state with the Reid soft-core potential 9—67675
Sasaki, A., Hirose, T., Kishi, S., Fukuda, K. Inline Fraunhofer holography using N_2 laser as a light source 9—76635
Sasaki, A., Ishibashi, T. Liquid-crystal light deflector 9—59814
Sasaki, A. *see* Maruyama, K. 9—63484
Sasaki, A. *see* Takagi, T. 9—49337
Sasaki, E., Kamakura, M., Konno, T. Fatigue properties of multiple notched specimens of structural materials 9—61729
Sasaki, F. *see* Honjou, N. 9—72361
Sasaki, F. *see* Noro, T. 9—72421
Sasaki, F. *see* Tatewaki, H. 9—81158
Sasaki, H., Hoppin, F.G., Jr., Takishima, T. Peribronchial pressure in excised dog lungs 9—83823
Sasaki, H. *see* Hashimoto, T. 9—61922
Sasaki, H. *see* Hirao, Y. 9—72117
Sasaki, H. *see* Kitajima, T. 9—62702
Sasaki, H. *see* Kusanagi, H. 9—82854
Sasaki, K., Sato, T. A bispectral synthesizer 9—50513
Sasaki, K., Shinohara, T., Watanabe, H. Internal conversion study on the contact charge density of ^{57}Fe impurity atoms in Au metal 9—56630
Sasaki, K. *see* Kodaira, J. 9—93428
Sasaki, K. *see* Okoshi, T. 9—55242
Sasaki, K. *see* Sakami, H. 9—90575
Sasaki, K. *see* Sato, T. 9—68499
Sasaki, M., Hoshi, A., Kameda, A., Shiratori, H., Tarutani, K. LMFBR systems and components for 'JOYO' 9—93796
Sasaki, M. *see* Kohsaka, M. 9—88165, 9—88166
Sasaki, R. Geometrization of soliton equations 9—75358
Sasaki, R. Soliton equations and pseudospherical surfaces 9—75688
Sasaki, R. Pseudopotentials for the general AKNS system 9—97243
Sasaki, R. Exact classical solutions of the coupled system of O(5) gauge fields with massless scalar fields in Euclidean space 9—97499
Sasaki, R. *see* Shiga, M. 9—83302

Sasaki, S., Takiguchi, Y., Kamata, M., Uematsu, I. Thermal motion of α-helical molecules in highly crystalline poly(γ-methyl L-glutamate) films 9—64133
Sasaki, S. *see* Iura, T. 9—99648
Sasaki, S. *see* Sugahara, R. 9—93454
Sasaki, S. *see* Takeuchi, Y. 9—99159
Sasaki, T., Chikazumi, S. Magnetic properties of Fe_3Pt Invar alloy 9—78365
Sasaki, T., Kitamura, E., Kosakai, T., Koike, K. Sealed type stationary battery using catalyst plug 9—83586
Sasaki, T. *see* Abe, T. 9—95929
Sasaki, T. *see* Hatafuku, H. 9—65695
Sasaki, T. *see* Ibaraki, Y. 9—100185
Sasaki, T. *see* Yamada, K. 9—81457
Sasaki, T. *see* Yamanaka, C. 9—82070
Sasaki, W., Ikehata, S., Kobayashi, N., Kobayashi, S. Metal non-metal transition in phosphorus doped silicon 9—95335
Sasaki, W. *see* Kobayashi, S. 9—56453, 9—73511
Sasaki, W. *see* Ootuka, Y. 9—65502, 9—95428
Sasaki, Y., Fujino, Y., Hakuno, M. Effects of topographical features on earthquake-induced damage. A numerical study 9—70752
Sasaki, Y., Nishina, Y. Magnetoluminescence in layer compound GaSe 9—61345
Sasaki, Y. *see* Amano, M. 9—100542
Sasaki, Y. *see* Fujino, Y. 9—70753
Sasaki, Y. *see* Imai, H. 9—51420
Sasakura, H. *see* Nagai, O. 9—65742
Sasamori, A. *see* Seko, A. 9—76695
Sasamoto, N., Takeuchi, K. An improvement of the PALLAS discrete-ordinates transport code 9—76052
Sasamoto, T. *see* Maeda, E. 9—74279
Sasamoto, T. *see* Sata, T. 9—99308
Sasane, A., Smith, J.A.S. ^{14}N quadrupole resonance in carbonatotetramminecobalt(III) bromide 9—51882
Sasanuma, M. *see* Masuko, H. 9—64016
Sasanuma, T. *see* Hynes, M.V. 9—63658
Sasanuma, T. *see* Miska, H. 9—63583
Sasao, N. *see* Cooper, P.S. 9—58540
Sasao, N. *see* Prescott, C.Y. 9—75776
Sasayama, S. *see* Eiho, S. 9—83927
Sasayama, T. *see* Ohmichi, T. 9—73301
Sashikata, J. *see* Ishihara, N. 9—85860
Sashin, D. *see* Fong, C.P. 9—88182
Sasidharan, K. *see* Hanumath Sastri, J. 9—101007
Sasmal, B. *see* Terao, N. 9—52216
Sasorov, P.V. *see* Meyerson, B.I. 9—62681
Sasov, V.N. *see* Magdich, L.N. 9—72683
Sasovskaya, I.I., Knyazev, Yu.V. Optical properties of an FeCo alloy 9—56814
Sasovskaya, I.I. *see* Prekul, A.F. 9—65876
Sass, J.K., Lewerenz, H.J., Neff, H. Identification of surface optical photoemission (div $\vec{A} \neq 0$) from silver: the significance of high index faces 9—100024
Sass, J.K. *see* Lewerenz, H.J. 9—74390
Sass, S.L. *see* Carter, C.B. 9—82241
Sass, S.L. *see* Gaudig, W. 9—90672
Sass, S.L. *see* Guan, D.Y. 9—82238
Sassen, K. The continuous-impactor-replicator for laboratory cloud composition analysis 9—53544
Sassen, K. Iridescence in an aircraft contrail 9—96797
Sassen, K. Angular scattering and rainbow formation in pendant drops 9—96816
Sasser, D.W. *see* Chapman, L.D. 9—85674
Sasseville, R. *see* Asano, M. 9—94001
Sasso, G.G., Daetwyler, K. Vapour deposition of thick niobium layers by photoresistant stripping 9—83135
Sastre, C.A. *see* Shroy, R.E. 9—52803
Sastri, J.H. Diurnal behaviour of midlatitude F-region parameters in summer 9—84570
Sastri, J.H., Murthy, B.S. On the occurrence of AQDs at Kodaikanal 9—53304
Sastri, J.Hanumath *see* Hanumath Sastri, J.
Sastri, M.V.C., Subba Rao, G.V. Direct conversion of solar energy to H_2 fuel through photoelectrolysis of water 9—62014
Sastri, M.V.C. *see* Ramadass, N. 9—86748
Sastri, N.S., Arora, B.R., Rao, D.R.K. Annual progression of geomagnetic solar and lunar daily variations at Alibag 9—84091
Sastri, N.S. *see* Jain, A.R. 9—66889
Sastri, V.M.K. *see* Prasada Rao, C.V. 9—57492
Sastroamidjojo, M.S.A., Lubis, W. Flux-redistribution in the focal region of a planar Fresnel ring mirror 9—68426
Sastry, B.A., Asadullah, S.M., Ponticelli, G., Massacesi, M. ESR studies on some five coordinate copper (II) complexes in solutions 9—64020
Sastry, B.A. *see* Chary, M.N. 9—65892
Sastry, D.H., Shastry, C.V. Cottrell-Stokes law during high temperature deformation of α-iron 9—83274
Sastry, D.L. *see* Lakshminarayana, S. 9—80900
Sastry, D.L. *see* Srinivasa Rao, M. 9—49609
Sastry, G.S. *see* Mouli, V.C. 9—82861
Sastry, G.Sivarama *see* Sivarama Sastry, G.
Sastry, G.V.S., Suryanarayana, C. An electron diffraction study of a metastable Al_2Pd phase 9—51054
Sastry, K.S., Alladin, S.M. A classification of galactic collisions for galaxies of unequal dimensions 9—84850
Sastry, K.S. *see* Narayana, M.L. 9—57144
Sastry, K.V.L.N. *see* Coxon, J.A. 9—63985
Sastry, P.Subramanya *see* Subramanya Sastry, P.
Sastry, T.P. *see* Mehta, G.N. 9—79180
Sastry, V.S.Suryanarayana *see* Suryanarayana Sastry, V.S.
Sastry, V.U.K., Bhadram, C.V.V. Hydromagnetic convective heat transfer in vertical pipes 9—60068
Sastry, V.U.K., Rama Mohan Rao, V. Numerical study of the effect of viscous dissipation on the combined convective flow through a circular pipe 9—68803
Sastry, V.U.K., Rama Mohan Rao, V. Micropolar fluid flow due to an oscillating plane subject to rotation 9—98763
Sastry, V.V.S.S. *see* Chakrabarti, A. 9—98265
Sastry, Y.V.S.R. *see* Sachdeva, R.C. 9—74505
Sata, T., Sasamoto, T., Lee, H.L., Maeda, E. Vaporization processes from magnesia materials 9—99308
Sata, T. *see* Maeda, E. 9—74279
Sata, T. *see* Takase, M. 9—74431
Satake, M. *see* Cowin, S.C. 9—59923
Satapathy, P.K., Parhi, H. A transversely isotropic composite with a penny-shaped crack 9—98660
Satarov, V.I. *see* Nadezhdin, V.S. 9—59067
Satarov, V.V., Garf, L.M., Grafov, V.S., Matrosov, V.A., Shmidt, A.M. General-purpose electrometric set for scientific research 9—75546
Satchler, G.R. The optical potential for ^9Be scattering: another anomaly 9—59087
Satchler, G.R. *see* Fulmer, C.B. 9—93657
Satchler, G.R. *see* Stokstad, R.G. 9—93656
Satdarova, F.F. *see* Shtremel, M.A. 9—65114
Sater, B.L., Goradia, C., Rogers, W., Borton, D. A cost effective total energy system using a faceted mirror sunlight cencentrator and high intensity solar cells 9—62010
Sathe, A.P. *see* Gupta, K.C. 9—62122
Sather, D. *see* Knightly, G.H. 9—72835
Sathyamoorthy, M. Nonlinear vibration of rectangular plates 9—64579
Sathyamoorthy, M. Effects of large amplitude shear and rotatory inertia on vibration of rectangular plates 9—81764
Sathyanarayana, S., Venugopalan, S. Nickel-cadmium cell of improved performance with MnO_2 doped positive electrodes 9—96439
Sathyanarayana, S., Venugopalan, S., Gopikanth, M.L. Impedance parameters and the state-of-charge. I. Nickel-cadmium battery 9—57423
Sathyanarayana, S. *see* Gopikanth, M.L. 9—96436
Satija, S.K., Wang, C.H. Comment on 'Brillouin scattering studies of orientationally disordered sodium cyanide and potassium cyanide single crystals' 9—65886
Sato, A., Kon, K., Tsujikawa, S., Hisamatsu, Y. Effects of aging and misorientation on intergranular corrosion of Inconel alloy 600 9—79158
Sato, A., Masuda, K. Orientation dependence of screw dislocation motion in b.c.c. transition metals 9—51109
Sato, A. *see* Horibe, M. 9—58917
Sato, A. *see* Nakamura, H. 9—49705
Sato, A. *see* Tachimori, S. 9—97881
Sato, C., Nishizawa, K., Kojima, K. Calcium-dependent process in reduction of cell surface charge after X-irradiation 9—92293
Sato, F. Distance estimate for the galactic supernova remnant G46.8—0.3 9—84833
Sato, G. *see* Takeda, H. 9—83990
Sato, H. Resonant-pulse propagation method for line-shape parameters analysis 9—55168
Sato, H. Photoelectric evaluation of a photovoltaic detector for a Gaussian incident pulse 9—63306
Sato, H. Nonlinear vibrations of stepped beams 9—64566
Sato, H. Mean free path of S-wave under the Kanto district of Japan 9—79748
Sato, H. Radiation efficiency from rectangular wall required to estimate sound transmission through walls 9—81634
Sato, H. Sondheimer oscillation in aluminium single crystals 9—87085
Sato, H. Examination of stabilization of long period superlattices in alloys 9—95348
Sato, H., Hirotsu, Y., Kuwamoto, H. Microsyntactic intergrowth in long period compounds 9—99149
Sato, H., Kakimi, T. Research on active faults in the metropolitan area [Japan] 9—62471
Sato, H., Shimizu, K., Yonemitsu, K. Magnetoresistance oscillations in aluminum near the [001] axis 9—56197
Sato, H., Utsunomiya, T., Suzuki, Y. Theoretical consideration on a reflection type electrically controllable diffraction grating: Effects of electrode configuration on voltage-dependence of diffraction pattern 9—94347
Sato, H. *see* Endo, K. 9—72046
Sato, H. *see* Hamada, K. 9—62456
Sato, H. *see* Hirotsu, Y. 9—94946
Sato, H. *see* Imai, K. 9—97706
Sato, H. *see* Koike, F. 9—81265
Sato, H. *see* Kubo, T. 9—72071
Sato, H. *see* Saito, M. 9—84819
Sato, J., Sato, K., Aramaki, S. An application of in-situ gamma-ray radiometry to the Asama Volcano 9—66824
Sato, J. *see* Sato, K. 9—66696, 9—70813
Sato, K. A microcomputer-aided data-processor for magnetic susceptibility measurement 9—63283
Sato, K. Spin orientation effects of shallow electrons induced by magnetization in transition metal surfaces 9—65881
Sato, K. Microscopic observation on evaporating crystal surfaces of stearic acid in a vacuum 9—77740
Sato, K. Forced vibration analysis of a composite rectangular membrane consisting of strips 9—81784
Sato, K. Weak decay mechanism of charmed mesons 9—93405
Sato, K., Aoki, M. Photoluminescent properties of ZnS grown from tellurium solution 9—52005
Sato, K., Aramaki, S., Sato, J. Distribution of gamma radioactivity in the Asama Volcano 9—66696
Sato, K., Iwabuchi, S., Kobayashi, M., Yokota, I. TO phonon-helicon coupling in polar semiconductors 9—73539
Sato, K., Kikuchi, I., Yamashita, Y., Norimoto, Y. Unusual Balmer lines in the spectrum of the M-type giant HD 139216 9—80310
Sato, K., Kouchi, H., Okada, M. Microscopic observation of cleaved surface of stearic acid crystal 9—95248
Sato, K., Sugawara, T. Nuclear spin relaxation and atomic motion of ^3He adsorbed on Grafoil 9—51369
Sato, K., Takasakahashi, H., Hosoya, Y., Sato, J. Distribution of underground-water and soil-air radon concentrations around the Asama Volcano. Observations in 1977 9—70813
Sato, K., Tanabe, T., Sekiguchi, M., Fujita, M., Yamazaki, T., Sakurada, Y., Honma, T., Yamazaki, N., Ohshiro, Y., Hirao, Y. Status of the INS 176 cm sector focusing cyclotron 9—54648
Sato, K. *see* Honda, K. 9—54339
Sato, K. *see* Kotera, N. 9—99594
Sato, K. *see* Maezawa, K. 9—91025
Sato, K. *see* Ohta, I. 9—49905
Sato, K. *see* Ono, K. 9—79502
Sato, K. *see* Saito, S. 9—56002
Sato, K. *see* Sato, J. 9—66824
Sato, K. *see* Tanaka, I. 9—57324
Sato, K. *see* Toi, K. 9—86565
Sato, K. *see* Tsuji, H. 9—94810
Sato, K. *see* Washiyama, M. 9—65993
Sato, K. *see* Yamamoto, T. 9—54749, 9—81136
Sato, M. Derivation of possible framework structures formed from parallel four- and eight-membered rings 9—73113
Sato, M. Reverberations and synthesis of a neural network 9—74634
Sato, M., Abe, K. Acoustic phonon dispersion in $NiTe_2$ 9—95098
Sato, M., Hayashi, K., Niimi, H., Moritake, K., Okumura, A., Handa, H. Axial mechanical properties of arterial walls and their anisotropy 9—83833
Sato, M., Kato, Y., Tsutiya, K. Effects of crystal orientation on the flow mechanism in cutting aluminum single crystal 9—100300
Sato, M., Matsuoka, K. Soft X-ray spectrum measurement of JIPP T-II plasma 9—55554
Sato, M., Miwa, T., Jimbo, M. Studies on holonomic quantum fields. X 9—67193
Sato, M., Miwa, T., Jimbo, M. Studies on holonomic quantum fields. XI 9—75690
Sato, M., Miwa, T., Jimbo, M. Studies on holonomic quantum fields. XII 9—80472
Sato, M. *see* Mutoh, T. 9—90425
Sato, M. *see* Rispin, A.S. 9—78061
Sato, M. *see* Shima, M. 9—90519
Sato, M. *see* Tagishi, Y. 9—67740
Sato, N., Sakamoto, S. Undervoltage breakdown between parallel plates in air 9—60099
Sato, R. *see* Chiba, J. 9—86112, 9—86113
Sato, R. *see* Masaki, S. 9—100603
Sato, S. Quenching of fluorescence in terbium chelate solutions by voltage application 9—87498
Sato, S. Liquid-crystal lens-cells with variable focal length 9—94320
Sato, S., Akutsu, F., Takemura, Y. Electronic sector-scanning cross-sectional echocardiograph, model SSH-10A 9—57732
Sato, S., Awaji, H., Kawamata, K., Kon, J. Resistance and fracture toughness against thermal shock of several varieties of graphite 9—91868
Sato, S., Itasaka, Y. Quenching of fluorescence in europium β-diketone chelate solutions and its application to display devices 9—87497
Sato, S., Kikuchi, T., Ishida, M.R. In situ hybridization of cytosol- and chloroplast-ribosomal RNA with isolated nuclei in Euglena gracilis: an autoradiographic study with ^{125}I 9—66457
Sato, S., Kleppa, O.J. Thermochemistry of liquid alloys of transition metals. I. The systems Mn-Cu and Mn-Sn 9—56962

Sato, S., Uranishi, M. On a biological system with random parameters 9—74637
Sato, S. *see* Awaji, H. 9—66153
Sato, S. *see* Kawarai, T. 9—87797
Sato, S. *see* Matsuhisa, H. 9—90070
Sato, S. *see* Ogata, H. 9—58710
Sato, S. *see* Oguchi, H. 9—76661
Sato, S. *see* Tsunashima, S. 9—83471
Sato, T. FM pulse sound holographic imaging 9—55270
Sato, T. Airmasses over Asia in winter 9—66768
Sato, T., Hayashi, T. Externally driven magnetic reconnection and a powerful magnetic energy converter 9—68949
Sato, T., Iguchi, M. Underwater imaging system using multi-frequency ultrasonic holography 9—98556
Sato, T., Sasaki, K., Uemura, K. Super-resolution imaging using a sequential estimation of a hologram in an extended area from data obtained in a limited area 9—68499
Sato, T. *see* Chikazawa, S. 9—91233
Sato, T. *see* Chikazwa, S. 9—87228
Sato, T. *see* Endoh, A. 9—98337
Sato, T. *see* Ikeda, C. 9—90058
Sato, T. *see* Ikeda, O. 9—68473
Sato, T. *see* Katsumata, K. 9—73748
Sato, T. *see* Kawata, H. 9—51130
Sato, T. *see* Kobayashi, M. 9—65678
Sato, T. *see* Miyako, Y. 9—56546
Sato, T. *see* Prescott, C.Y. 9—75776
Sato, T. *see* Saito, S. 9—56002
Sato, T. *see* Sakamoto, I. 9—87086
Sato, T. *see* Sakurai, T. 9—77627
Sato, T. *see* Sasaki, K. 9—50513
Sato, T. *see* Sueishi, T. 9—66616
Sato, T. *see* Sugahara, R. 9—93453, 9—93454
Sato, T. *see* Watanabe, S. 9—59679
Sato, Y. Influence of crystallinity on the dielectric γ-dispersion in polyethylenes 9—87384
Sato, Y., Akimoto, S. Hydrostatic compression of four corundum-type compounds: α-Al_2O_3, V_2O_3, Cr_2O_3, and α-Fe_2O_3 9—99269
Sato, Y., Moore, J.H. Electron capture in N^{2+}-He and N^{2+}-Ne collisions 9—59558
Sato, Y., Rujita, H. Shape measurement and description of curved objects 9—55077
Sato, Y. *see* Fumuro, F. 9—62705
Sato, Y. *see* Ogawa, H. 9—54649
Sato, Y. *see* Shima, A. 9—68791
Sato, Y. *see* Sugimoto, H. 9—58991
Satofuka, N., Iwatani, M. A four-step iterative finite-difference method for hyperbolic systems in conservation-law form 9—77185
Satoh, A. *see* Ohgo, K. 9—61801
Satoh, J. *see* Osaka, T. 9—99441
Satoh, K. New beam position monitor by detecting wall currents 9—58675
Satoh, K. New wall current beam position monitor 9—72150
Satoh, K. *see* Shimizu, S. 9—83263
Satoh, K. *see* Takayanagi, S. 9—51744
Satoh, M. *see* Iwai, A. 9—100981
Satoh, S. *see* Igaki, K. 9—99505
Satoh, T. *see* Sasada, Y. 9—63988
Satoko, C. *see* Kitaura, K. 9—93920
Satomura, Y., Kirimoto, T., Matshuhara, M., Kumagai, N. Mode dispersion and its minimization in multimode optical fibers with polynomial refractive-index profile 9—50408
Satooka, S. *see* Hoshino, K. 9—97468
Satori, G. *see* Gyeney, L. 9—100768
Satori, T., Kuromori, K.-I. Recent development in electromagnetic flow meters 9—98836
Satou, M. *see* Mori, K. 9—92244
Satou, M. *see* Suzuki, T. 9—51922
Satow, T., Uemura, O., Sanzyo, M. The electrical conductivity of bismuth chalcogenides in the liquid state 9—51578
Satow, T. *see* Asmai, N. 9—76135
Satow, T. *see* Uemura, O. 9—77485
Satpathy, R.K. *see* Behera, B. 9—75885, 9—93658
Satsuk, V.V. *see* Dorman, L.I. 9—84604
Satsuma, J., Ablowitz, M.J. Two-dimensional lumps in nonlinear dispersive systems 9—92955
Satsuma, J., Ablowitz, M.J., Kodama, Y. On an internal wave equation describing a stratified fluid with finite depth 9—97217
Satsuma, J. *see* Yajima, N. 9—93076
Sattarov, D.K. *see* Bagaev, S.A. 9—98492
Sattarov, D.K. *see* Pletneva, N.I. 9—81555
Sattelle, D.B., Green, D.J., Langley, K.H. Subcellular motions in *Nitella flexilis* studied by photon correlation spectroscopy 9—66465
Satter, M.A. *see* Ahmadi, G. 9—68471
Satterthwaite, C.B. *see* Mueller, M.H. 9—99101
Satterthwaite, C.B. *see* Standley, R.W. 9—99651
Sattikulov, M., Lemanov, V.V., Smirnov, I.A., Shul'man, S.G. Laser generation of ultrasound using a phase transition in a SmS film 9—90734
Sattler, J.P., Riessler, W.A., Worchesky, T.L. Diode laser spectra of the C-O stretch band of gaseous methyl alcohol 9—59449
Sattler, W.W., Saur, E.J. High field experiments on pressure effects for type-II superconductors 9—61006
Satunkin, G.A., Tatarchenko, V.A., Tseitlin, E.M. Relation between the growth angle and shape of the lateral surface of a growing crystal 9—94936
Satwindar Singh Sadha Comments about Yang's analysis on droplets evaporating from a solid surface 9—59909
Satya Murthy, N.S. *see* Chopra, V. 9—63240, 9—75557
Satyabala, S.P., Mallikarjun Rao, S.P. The application of the Bauer-Sette theory to toluene-xylene liquid mixtures 9—77682
Satyamurthy, P., Marwah, R.K., Venkatramani, N., Rohatgi, V.K. Estimation of error in steady-state temperature measurement due to conduction along the thermocouple leads 9—85136
Satyan, V., Parikh, J.C. Unitary group decomposition of Hamiltonian operators. I. Structure and sizes in the Hartree-Fock basis 9—80889
Satyanarayana, M.V., Wallace, W.E., Craig, R.S. Effects of substitution of chromium and nickel on the magnetic properties of Er_2Co_{17} and Sm_2Co_{17} 9—78363
Satyanarayana Murthy, K. *see* Ranga Prasad, T. 9—69242
Satyavathi, N., Padma, V.A., Kumar, S.P., Rajeswar Rao, N. Raman intensity analysis of barium titanate 9—95740
Satz, H. Critical behavior of hadronic matter: critical-point exponents 9—58944
Satz, H. Statistical concepts in hadron physics 9—58945
Satz, H. Dimensionality in the statistical bootstrap model 9—97606
Satz, H. *see* Celik, T. 9—75889
Sau, J. *see* Waroquier, M. 9—63601
Sau, R., Hudson, J.B. Oxidation of carbon on Ni (110) 9—79291
Sau Lan Wu *see* Brandelik, R. 9—63491
Saub, K. *see* Marohnic, Z. 9—73488
Saucedo, E. *see* Chambouleyron, I. 9—72639
Sauder, T., Certier, M., Stebe, B. Excitons bound to neutral donor impurities in CuCl 9—56816
Saudraix, J. *see* Givernaud, A. 9—58982, 9—75801
Sauer, G.W. *see* Movaghar, B. 9—60778
Sauer, J., Zurawski, B. Molecular and electronic structure of disiloxane. An ab initio MO study 9—97972
Sauer, K. *see* Auer, G. 9—77391
Sauer, K. *see* Friesner, R. 9—87305
Sauer, M.C., Jr. *see* Jonah, C.D. 9—79263
Sauer, P.U. Nuclear charge asymmetry in the A=3 nuclei 9—71808
Sauer, P.U. *see* Dreissigacker, K. 9—84996
Sauer, P.U. *see* Hajduk, C. 9—75858
Sauer, P.U. *see* Hajduk, Ch. 9—67673
Sauer, R., Schmid, W., Weber, J., Rehbein, U. Multiple bound excitons in GaP 9—95837
Sauer, R. *see* Wagner, J. 9—91491
Sauers, I. *see* Sondergaard, N.A. 9—98214
Sauli, F. *see* Breskin, A. 9—49904
Sauli, F. *see* Charpak, G. 9—72195, 9—93871
Saulnier, J.C. *see* Viano, J.B. 9—93652
Saumagne, P. *see* Le Narvor, A. 9—87827
Saunders, B. The Mead electrophotographic evaluator 9—93244
Saunders, B.J. *see* Bourquin, M. 9—71768
Saunders, D.A. *see* Waterhouse, R.B. 9—87733
Saunders, G.A. *see* Mohamad, I.J. 9—60874
Saunders, J.C. *see* Relkin, E.M. 9—88088
Saunders, K.D. *see* Beardsley, R.C. 9—77217
Saunders, M.J. Torsion effects on fractured fiber ends 9—76802
Saunders, V.I. Spectral absorption of AgCl 9—73963
Saunders, V.R. *see* Wilson, S. 9—81161
Saunders, W.D., Robinson, E., Cronn, D.R., Ramussen, R.A., Pierotti, D. F-11 and N_2O in the North American troposphere and lower stratosphere 9—79430
Saunin, S.A. *see* Gavrilenko, V.I. 9—78018
Saupe, A. Critical analysis of the cluster integral approach to the nematic state 9—86708
Saupe, A. *see* Photinos, P.J. 9—94883
Saur, E.J. *see* Sattler, W.W. 9—61006
Saur, J.M. *see* Robin, M.G. 9—97789
Saural, J. Concerning 'the Star of Bethlehem' 9—84923
Saurel, J.M., Roig, J. Properties of Fabry-Perot interferential filters illuminated in oblique incidence 9—81545
Saurwein, J.J. *see* Wallroth, C.F. 9—67907
Sausen, E. *see* Holland-Moritz, K. 9—87434, 9—87435
Saussure, G.de *see* de Saussure, G.
Sautenkov, V.A. *see* Velichanskii, V.L. 9—68396
Sauter, E.A. A CW coherent UV-source using the Nd:YAG laser with two-stage internal SHG in coupled resonators 9—98438
Sauter, E.G. Improvement on the WKB method using an algebraic formalism 9—75383
Sauter, V.T. *see* Ahlman, R.S. 9—67991, 9—72012
Sauthoff, N. *see* Eubank, H. 9—82074
Sauthoff, N.R., Von Goeler, S. Techniques for the reconstruction of two-dimensional images for projections 9—90453
Sauthoff, N.R. *see* Bitter, M. 9—82098
Sauthoff, N.R. *see* Hill, K.W. 9—68956
Sauthoff, N.R. *see* Suckewer, S. 9—77400
Sautiev, N.D. *see* Akopyan, A.R. 9—58693
Sautriot, D., Romano, J.C., Laborde, P., Daumas, R. Ionic exchanges at the water-sediment interface in the Norwegian Sea and Intertropical Atlantic 9—62523
Sauvage, G. *see* Bourquin, M. 9—71768
Sauvage, M. *see* Malaval, G. 9—97761
Sauvage, M. *see* Vial, B. 9—97780
Sauvageau, P. *see* Olivato, P.R. 9—50037
Sauvageot, H. *see* Henrion, X. 9—88418
Saux, M. *see* Vlasse, M. 9—90618
Savage, A., Bolton, J.G. New optical identifications from the fourteenth part of the Parkes 2700 MHz survey: Declinations −4° to −15°, Right Ascensions 10^h to 15^h 9—75289
Savage, A., Bolton, J.G. Optically selected QSOs in two 25 square degree fields 02^h00^m,−50° 00′ and 22^h04^m,−18° 55′ 9—88761
Savage, A. *see* Bolton, J.G. 9—75121
Savage, B.D., de Boer, K.S. Observational evidence for a hot gaseous galactic corona 9—67097
Savage, C. *see* Niki, H. 9—66785
Savage, C.M. *see* Su, F. 9—93994
Savage, G.J., Kesavan, H.K. The graph-theoretic field model. I. Modelling and formulations 9—67165
Savage, G.J. *see* Madan, V.K. 9—68345
Savage, H. *see* Mitchell, M.A. 9—73790
Savage, H.T., Abbundi, R., Clark, A.E., McMasters, O.D. Permeability, magnetomechanical coupling and magnetostriction in grain-oriented rare earth-iron alloys 9—78491
Savage, J.A. *see* Allinson, D.L. 9—65523
Savage, J.A. *see* Marsh, K.J. 9—98450
Savage, J.C., Prescott, W.H. Geodetic control and the 1927 Lompoc, California earthquake 9—84126
Savage, J.C., Prescott, W.H., Lisowski, M., King, N. Strain in southern California: measured uniaxial north-south regional contraction 9—74883
Savage, J.C., Prescott, W.H., Lisowski, M., King, N. Deformation across the Salton Trough, California, 1973-1977 9—84079
Savage, J.C., Walsh, J.B. Gravitational energy and faulting 9—84121
Savage, S.B. Gravity flow of cohesionless granular materials in chutes and channels 9—64753
Savage, W.F. *see* Baeslack, W.A., III 9—91834
Savage, W.U. *see* Page, W.D. 9—88295
Savanin, S.Yu. *see* Pilipetskii, N.F. 9—86207
Savannis, S. *see* Cross, J.D. 9—90346
Savard, J.-Y., Busca, G., Rovea, S., Desaintfuscien, M., Petit, P. Effects of coherently excited Zeeman transitions on a hydrogen maser hyperfine transition 9—72544
Savard, P., Roberge, F.A., Guardo, R. Recovery of the equivalent dipole from surface potential distributions in the presence of noise 9—70671
Savarenskii, E.F. *see* Kendzera, A.V. 9—96743
Savarenskiy, Ye.F. The evolution of Soviet seismology during the last 60 years (1917-1977) 9—84142
Savaria, P. *see* Kunstatter, G. 9—88775
Savastenko, V.A. *see* Sheleg, A.U. 9—99154
Savatinova, I., Anachkova, E. Effect of ordering on the OH Raman bands of $K_4Fe(CN)_6.3H_2O$ 9—51959
Savchenko, A.K. *see* Grodnenskii, I.M. 9—91174
Savchenko, A.Ya. *see* Ignat'ev, A.O. 9—63021
Savchenko, B.A. *see* Barta, C. 9—99337
Savchenko, I.A. *see* Zaytsev, A.A. 9—82118
Savchenko, M.A., Moshchinskii, B.V., Stefanovich, A.V. Theory of phase transformations in ferromagnets 9—65671
Savchenko, M.A., Stefanovich, A.V. The high temperature superconducting phase in rare earth metal compounds 9—78255
Savchenko, M.A., Stefanovich, A.V., Khabakhpashev, M.A. Fluctuations and spin waves in ferroelectric antiferromagnetics in strong magnetic fields 9—82773
Savchenko, M.A. *see* Sobolev, V.P. 9—69216
Savchenko, M.M. *see* Prinzler, H. 9—64905
Savchenko, N.I. *see* Borodachev, N.M. 9—66165
Savchenko, N.M., Gorban', A.N., Man'ko, V.K. On mechanism of nonequilibrium charge carrier generation with hydrogen atom recombination on a semiconductor surface 9—91126
Savchenko, N.M., Gorban', A.N., Savchenko, N.V. Electrical conductivity and chemomagnetic effect at hydrogen atom recombination on the germanium surface 9—91125
Savchenko, N.V. *see* Savchenko, N.M. 9—91125
Savchenko, O.Ya. Estimates of the eigenvalues of the Schrodinger equation for a system of interacting particles. II 9—71292
Savchenko, R.T. *see* Golubnichii, P.I. 9—84617
Savchenko, T.A. Stability of motion of a gyroscope with contactless suspension under angular vibrations of the foundations 9—80420
Savchenko, V.P., Kozhevnikov, N.I. Convection on the Sun 9—58316

Savchenko, Yu.N., Fedorenko, N.S. Regulation of bottom flow during the motion of a body with a peripheral annular jet of incompressible liquid 9—77204

Savchenkov, V.I. *see* Bolotnikova, T.N. 9—85995

Savchin, V.P., Stakhira, I.M. 'Three-dimensionalization' of transport effects in a layer In_4Se_3 crystal 9—73514

Savchuk, A.I. *see* Kitsa, M.S. 9—87459

Savedoff, M.P. *see* Richardson, M.B. 9—58317

Savel'ev, A.M. *see* Finkel, V.M. 9—51116, 9—100239

Savel'ev, A.S. *see* Andrianov, D.G. 9—73672

Savel'ev, G.I. *see* Barsov, S.G. 9—87370

Saveliev, G.I. *see* Gordeev, V.A. 9—56675

Saveliev, M.V. *see* Leznov, A.N. 9—58877, 9—71599

Savelli, M., Bougnot, J. Problems of the Cu_2S/CdS cell 9—74522

Savelli, S. *see* Bolondi, G. 9—74841

Savel'yev, S.M. *see* Novozhilov, V.I. 9—62648

Savel'yev, V.G. *see* Mineyev, Yu.V. 9—62693

Savenko, B.N. *see* Balagurov, A.M. 9—51923

Savenko, I.A. *see* Basilova, R.N. 9—88522

Savenko, I.A. *see* Blokh, G.M. 9—53695

Savenko, I.A. *see* Kuzhevskii, B.M. 9—62695, 9—80128

Savenko, I.A. *see* Mineev, Yu.V. 9—84620

Savenko, I.A. *see* Mineyev, Yu.V. 9—62693

Savenko, I.A. *see* Volodichev, N.N. 9—62694

Savenko, V.S. Potassium determination in sea water using a selective membrane electrode 9—53368

Savenkova, G.E. *see* Didkovskaya, O.S. 9—52140

Savenkova, I.A. *see* Gorskaya, N.V. 9—53028

Saver, R.O. *see* Milner, W.T. 9—93900

Savery, C.W. *see* Larson, D.C. 9—62070

Savich, N.A. *see* Ivanov-Kholodny, G.S. 9—96939

Savich, V.A. *see* Azarkh, S.L. 9—62778

Savilonis, B.J. Regional electroaerosol deposition in the lung 9—83842

Savilonis, B.J., Lee, J.S. Particle deposition in a charged aerosol flowing through a conducting tube 9—98792

Savin, I.A. *see* Birulev, V.K. 9—67547

Savin, I.A. *see* Klein, M. 9—85259

Savin, N.I. *see* Budov, V.M. 9—97785

Savin, N.I. *see* Kazachkovskii, O.D. 9—97803

Savin, O. *see* Honciuc, M. 9—64988

Savin, O. *see* Motoc, C. 9—90539

Savin, V.I. *see* Andrievskii, R.A. 9—77640

Savin, V.V. *see* Kudryashov, V.P. 9—94257

Savineau, M. *see* Gourdon, J. 9—97864

Savinell, R.F., Liu, C.C., Galasco, R.T., Chiang, S.H., Coetzee, J.F. Discharge characteristics of a soluble iron-titanium battery system 9—92070

Savino, E.J. *see* Monti, A.M. 9—60353

Savino, E.J. *see* Tome, C.N. 9—65071

Savinov, S.Yu. *see* Ochkin, V.N. 9—55558

Savinov, V.P. *see* Morichev, I.E. 9—64296

Savinova, N.G. *see* Khomutova, L.A. 9—76738

Savintsev, P.P., Khokhlov, V.A., Smirnov, M.V. Thermal conductivity of molten binary mixtures of the chlorides of cesium, barium, and lanthanum 9—86931

Savistskii, O.G. *see* Dorin, V.A. 9—91110

Savit, R. *see* Einhorn, M.B. 9—49398

Savithry, T., Rao, D.V.K., Murty, A.A.N., Rao, P.T. Rotational analysis of a few bands of the ultraviolet system of GeO 9—81210

Savitskas, R. *see* Abaravichyute, V. 9—86840

Savitskaya, Ya.S. *see* Sheftal', R.N. 9—78905

Savitskii, A.V., Levin, B.Ya., Gorshkova, I.A., Shmukk, G.N. Thread strength in a microplastic 9—61670

Savitskii, E.M., Burkhanov, G.S., Kirillova, V.M. Interaction between tungsten and molybdenum and carbon, oxygen and nitrogen in cast state 9—70114

Savitskii, E.M., Bychkova, M.I., Kanikovskii, V.B. Influence of plastic strain on thermal expansion of niobium 9—65220

Savitskii, E.M., Ivanova, K.N., Revyakin, A.V., Efimov, Yu.V. Formation of nonmetallic inclusions in refractory metals quenched from liquid state 9—57007

Savitskii, E.M. *see* Gorina, N.B. 9—61873

Savitskii, V.G. *see* Sredin, V.G. 9—74012

Savitsky, E.M., Burhanov, G.S., Kirillowa, V.M. The interaction of carbon, nitrogen, and oxygen with cast tungsten and molybdenum. II. Reaction, changes in properties, and purifying 9—52277

Savkin, A.N. *see* Gur'ev, A.V. 9—52349, 9—66157

Savkin, V.G. *see* Belyi, V.A. 9—78688

Savo, B. *see* Costabile, G. 9—56428

Savoia, M. *see* Bergia, S. 9—71189

Savol, A.M. *see* Fong, C.P. 9—88182

Savonije, G.J. *see* Pringle, J.E. 9—67031

Savornin, J.L., Bouchet, J.M., Furet, J.L., Jover, P., Sala, A. An integrated numerical protection system (SPIN) [nuclear power station] 9—76097

Savostin, S.A. *see* Bachurina, L.G. 9—52812

Savost'yanova, N.A. *see* Fialkov, A.S. 9—91600

Savoy, C.A. *see* Abud, M. 9—71774

Savoy, C.A. *see* Anastaze, G. 9—67528

Savoy-Navarro, A. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292

Savoy-Navarro, A. *see* De Rujula, A. 9—80818

Savoy-Navarro, A. *see* Groot, J.G.H. 9—93395

Savoy-Navarro, A. *see* Jonker, M. 9—93399

Savrasov, A.N. *see* Alekseeva, M.I. 9—49268

Savrasov, Yu.S. Two-position orbit-determination problems 9—88573

Savukinas, A.Yu. Theory of the one-electron atom in a strong light field 9—63946

Savukinas, A.Yu., Kulagin, N.A. Dependence of the coefficients for radial integrals of the energy of electrostatic interaction of atomic electrons on the shell occupation number 9—63906

Savukinas, A.Yu. *see* Bogdanovich, P.O. 9—63911

Savukynas, A., Sadziuviene, S.D., Glembotskii, I.I. Energies of two- and three-electron Auger-transitions in atoms and ions of the third period with vacancies in the 2p-shell 9—63972

Savushkin, L.N. Relativistic self-consistent nuclear model 9—97654

Savvakin, G.I., Shraiber, A.A. Heating of particles inside the front of a detonation wave 9—68749

Savvateeva, L.M. *see* Grum-Grzhimailo, O.S. 9—60279, 9—60282

Savvidi, G.K. *see* Baseyan, G.Z. 9—71641

Savvin, Yu.N. *see* Grinchenko, Yu.A. 9—69734

Savvov, R.V. *see* Gus'kov, Yu.K. 9—54978

Savyalov, V.V. *see* Zhukov, V.A. 9—95416

Saw, E.L. *see* Yap, C.T. 9—75923

Sawa, G., Arakawa, K., Nagao, M., Ieda, M. Conditions for complete self-healing breakdown in glow discharge polymerized styrene films 9—91374

Sawa, G. *see* Nakamura, S. 9—65790, 9—69513, 9—99622

Sawa, S., Hayashi, T. Light beam propagation through lens-like media with off-axis complex permittivity 9—81562

Sawachi, Y. *see* Moriyama, S. 9—57561

Sawada, A. Phase transition in $(NH_4)_2SO_4$-type crystals 9—65811

Sawada, A., Kikugawa, T., Ishibashi, Y. Pressure-induced ferroelectricity in $Ca_2Ba(C_2H_5CO_2)_6$ (DBP) 9—51920

Sawada, A. *see* Hoshizaki, H. 9—91382

Sawada, A. *see* Ishibashi, Y. 9—91393

Sawada, K. *see* Sakawa, M. 9—57993

Sawada, M. *see* Sanada, J. 9—71836, 9—71857

Sawada, M. *see* Shimozuru, D. 9—70773

Sawada, R. *see* Terao, K. 9—77180, 9—100381

Sawada, S. Rb_2ZnCl_4 group ferroelectrics 9—78636

Sawada, S., Nakamura, K. Theory of surface rumpling in rock-salt structured ionic crystals 9—51402

Sawada, S. *see* Mashiyama, H. 9—78633

Sawada, S. *see* Shimzu, H. 9—65186

Sawada, T., Hasegawa, H. Interface state band between GaAs and its anodic native oxide 9—60930

Sawada, T. *see* Alderliesten, C. 9—76005

Sawada, T. *see* Iwasaki, T. 9—61888

Sawada, T. *see* Sasakawa, T. 9—63602, 9—67675

Sawada, Y. *see* Ohta, S. 9—51366, 9—65283, 9—77858

Sawada, Y. *see* Sano, M. 9—77075

Sawada, Y. *see* Suemitsu, M. 9—60591

Sawada, Y. *see* Suzuki, Y. 9—50191

Sawaguchi, E. $PbZrO_3$ [antiferroelectricity] 9—65803

Sawaguchi, E. *see* Fujishita, H. 9—55712

Sawaguchi, E. *see* Goto, Y. 9—65472

Sawai, T. *see* Ogura, H. 9—69156

Sawai, Ta. *see* Ogura, H. 9—69156

Sawamoto, A., Hayashi, Y., Ohtani, N. Accelerated deformation of carbon steels due to hydrogen absorption 9—70121

Sawamura, S. *see* Nakamura, S. 9—74792

Sawan, M.E., Zaki, G.M., Temraz, H.M. ECCS analysis with decay-heat generation and inlet subcooling 9—89434

Sawan, Y., Wakim, F., El-gabaly, M., Prasad, R. Electrical and photoconductive properties of the As_2-Se_3-Bi_x system 9—51574

Sawan, Y. *see* El-Gabaly, M. 9—56259

Sawan, Y. *see* Wakim, F.G. 9—61985

Sawaoka, A. *see* Kondo, K. 9—65476

Sawaoka, A. *see* Sugiura, H. 9—95594

Sawaragi, Y., Ikeda, S., Nakayama, H., Tanino, T., Okumura, C. An interactive optimization method for a water resource problem with multiple objectives 9—57516

Sawaragi, Y., Soeda, T., Yoshimura, T., Ohe, S., Chujo, Y., Ishihara, H. Statistical prediction of air pollution levels based on Kalman filtering method 9—57535

Sawaragi, Y., Tanino, T., Inoue, K., Nakayama, H., Matsumoto, K. Graph-matrix method in environmental assessment 9—57502

Sawaragi, Y. *see* Nagata, M. 9—53399

Sawaragi, Y. *see* Nakamori, Y. 9—83680

Sawaragi, Y. *see* Sakawa, M. 9—57993

Sawaragi, Y., Akashi, H. *(editor)* Environmental Systems Planning, Design and Control 9—52962

Sawata, S. *see* Sakuta, K. 9—79376, 9—96485

Sawata, S. *see* Tanaka, T. 9—62108, 9—77058, 9—79377

Sawata, S. *see* Tani, T. 9—57441, 9—79375, 9—79380, 9—79381

Sawatari, T., Zipin, R.B. Optical profile transducer 9—58765

Sawatari, T., Zipin, R.B. Optical profile transducer 9—85124

Sawatari, T. *see* Keating, P.N. 9—64403

Sawatzky, G.A. *see* Huizinga, S. 9—82803

Sawatzky, G.A. *see* Ingalls, R. 9—87354

Sawaya, S. *see* Masumoto, H. 9—70104, 9—77679, 9—100206

Sawayanagi, K. *see* Filho, J.B. 9—58989, 9—58992, 9—63561

Sawchuk, A.A. *see* Armand, A. 9—76868

Sawczuk, A. *see* Murakami, S. 9—68591

Sawford, B.L., Manins, P.C. An inexpensive sequential sampler for gas tracer studies 9—83686

Sawi, M.El *see* El Sawi, M.

Sawicki, A. *see* Wilde, P. 9—98613

Sawyer, D. *see* Lu, P.K. 9—92757

Sawyer, R.F. Pion propagation and production in nuclear matter 9—80893

Sawyer, R.F., Soni, A. Transport of neutrinos in hot neutron-star matter 9—75238

Sawyer, W.H. *see* Nagle, D.E. 9—63500

Sax, M. *see* Furey, W., Jr. 9—99168

Sax, R.I., Garvey, D.M., Parungo, F.P. Characteristics of AgI pyrotechnic nucleant used in NOAA's Florida Area Cumulus Experiment 9—100919

Sax, R.I., Thomas, J., Bonebrake, M., Hallett, J. Ice evolution within seeded and nonseeded Florida cumuli 9—100920

Saxena, , A.N. *see* Hage-Ali, M. 9—56046

Saxena, A.K. Quantitative test for concave aspheric surfaces using a Babinet compensator 9—98512

Saxena, A.K., Nigam, K.D.P. On RTD for laminar flow in helical coils 9—68806

Saxena, A.K. *see* Pandya, T.P. 9—49277

Saxena, K.K. *see* Bishnoi, O.P. 9—96792, 9—100902

Saxena, P.K. *see* Pillai, P.K.C. 9—62079

Saxena, R., Agarwal, G.S. AC Stark effect and fluorescence using modulated laser beams. I. Effect of laser fluctuations and arbitrary relaxation parameters 9—72273

Saxena, R.N., Esteves, V.A.P., Zawislak, F.C. Directional correlations of gamma transitions in ^{105}Rh 9—80897

Saxena, R.N., Pandey, S.L., Sooraj Singh Structure and dielectric measurements of thin films of Bi_2O_3 9—78622

Saxena, R.P. *see* Sane, K.V. 9—81149

Saxena, R.R., Bragg, R.H. Kinetics of graphitization in glassy carbon 9—52246

Saxena, R.R. *see* Hyder, S.B. 9—69987

Saxena, S.C. Heat transfer from a bank of immersed horizontal smooth tubes in a fluidized bed 9—77241

Saxena, T.K. *see* Mathur, P.C. 9—99544

Saxena, U., Srivastava, O.N. Electron microscope studies of phase transformation in erbium oxide films 9—77741

Saxena, U., Srivastava, O.N. On the SRO characteristic and its effect on the electrical behavior of nonstoichiometric erbium oxide thin films 9—99435

Saxena, U.C., Laird, A.D.K. Heat transfer from a cylinder oscillating in a cross-flow 9—55386

Saxl, I. *see* Prochazka, K. 9—77604

Saxon, D.H. *see* Brandelik, R. 9—63491, 9—93441

Saxon, R.P. *see* Kirby, K. 9—94045

Saxov, S. *see* Balling, N. 9—74489

Saxton, W.O. *see* Arnot, N.R. 9—76610

Saxton, W.O. *see* Cosslett, V.E. 9—97475

Sayag, J. *see* Lyneis, C.M. 9—68078

Sayakhov, R.Sh. *see* Polivanov, Yu.N. 9—69844

Saydam, A.S., Duckworth, K. Comparison of some electrode arrays for their IP and apparent resistivity responses over a sheet like target 9—58107

Sayed, A.M. *see* Henaish, B.A. 9—76293

Sayed, W.A. *see* Qadir, A. 9—67213

Sayed, Y.A. *see* Amein, W.H. 9—50866

Sayed Ali, M.el *see* el Sayed Ali, M.

Sayeg, J.A. *see* Christensen, R.C. 9—70651

Sayer, M., Mansingh, A. Ohmic contacts and dielectric relaxation in transition metal phosphzte glasses 9—65795

Sayer, M., Prasad, E. Electrical noise in semiconducting oxide glasses 9—91109

Sayer, M. *see* Mansingh, A. 9—91044

Sayer, M. *see* Prasad, E. 9—78142

Sayer, R.O. *see* Ball, J.B. 9—68015

Sayer, R.O. *see* Knudsen, H. 9—54957

Sayers, C.M. The vibration frequency of an atom at the surface of a tight binding metal 9—51412

Sayetat, F. *see* Gignoux, D. 9—61096

Sayigh, A.A.M. A comparison among various flat plate collectors with honeycomb structures 9—62046

Sayigh, A.A.M. Effect of dust on flat plate collectors 9—62054

Saykally, R.J., Evenson, K.M. Observation of pure rotational transitions in the HBr^+ molecular ion by laser magnetic resonance 9—89695

Saykally, R.J., Evenson, K.M. Laser magnetic resonance measurement of the 2^3P_2-2^3P_1 splitting in atomic oxygen 9—98010

Sayko, A.P. *see* Nagibarov, V.R. 9—50273

Saylor, C.P. Refractometry of fluids in microscopic tubes 9—49273

Saylor, J.H., Miller, G.S. Lake Huron winter circulation 9—84309

Sayre, J.A., Swanson, S.R., Boyd, R.H. The effect of pressure on the volume and the dielectric relaxation of linear polyethylene 9—61302

Sazhin, A.I. *see* Antonov, V.A. 9—62732

Sazhin, A.N. *see* Barabanov, V.N. 9—66161

Sazhin, B.I. *see* Shuvaev, V.P. 9—69775

Sazhin, M.V. Error of radioisotopic thickness gauges due to fluctuation of the source-detector spacing 9—67251

Sazhin, M.V. *see* Stroikovskii, A.K. 9—71411

Sazhin, S.G., Evlampiev, A.I., Makarov, Yu.N. Automation of airtightness inspection with the aid of a halogen leak detector 9—52595

Sazhin, S.G., Fadeev, M.A., Taranenko, E.V., Yurchenko, A.I., Chernushenko, E.T. An automatic mass-spectrometer system for monitoring vacuum-tightness in components with unclosed cavities 9—52592

Sazhin, S.G. *see* Levina, L.E. 9—52588

Sazhin, S.S., Vershinina, N.I. Estimation of the large-scale electric field of the magnetosphere from the frequency drift of bursts of VLF radiation 9—92639

Sazhin, V.I. Vertical pattern of field intensity on a one-hop path 9—58156

Sazhin, V.I. *see* Agaryshev, A.I. 9—53619

Sazhina, G.P. *see* Varkovitskaya, A.Ya. 9—80147

Sazonov, I.A. Flexural-mode concentrators 9—90072

Sazonova, L.V. *see* Glushkova, V.B. 9—82186

Sazykina, O.N. *see* Bryk, M.T. 9—95990

Sbar, N.L. *see* Feinstein, L.G. 9—74304

Sberveglieri, G. *see* Paorici, C. 9—52095

Sberveglieri, G. *see* Romeo, N. 9—51460

Sbitnev, V.I. Transfer of spikes in statistical neuronal ensembles. IVa. Posing of problem in the diffusion approximation 9—57631

Sbitnev, V.V. *see* Kabkov, G.Ya. 9—80584

Sborovskii, A.K. *see* Ekel'chik, V.S. 9—61642

Scacco, A. *see* Casalboni, M. 9—78745

Scaddan, R.J. *see* Parry, G. 9—100948

Scadron, M.D. *see* Barrett, B.R. 9—75865

Scadron, M.D. *see* Jones, H.F. 9—80799

Scaggs, E.R. *see* Rogiers, J. 9—69686

Scaglioni, G. *see* Bertagnoli, L. 9—62313

Scaiano, J.C. *see* Encinas, M.V. 9—61878

Scalabrin, A., Evenson, K.M. Additional CW FIR laser lines from optically pumped CH_2F_2 9—94219

Scalabrin, G. *see* Lazzarin, R. 9—62134

Scalapino, D.J. *see* Cardy, J.L. 9—60593

Scale, T.J., Eggen, D.T. A simulation of GCFR cladding motion in cocurrent flow 9—85614

Scaller, E. A delta-two-stream approximation in radiative flux calculations 9—96811

Scalo, J.M. *see* Casse, M. 9—88743

Scaltriti, F., Zappala, V. Photoelectric photometry and rotation periods of the asteroids 26 Proserpina, 194 Prokne, 287 Nephthys, and 554 Peraga 9—84727

Scamans, G.M. Discontinuous propagation of stress corrosion cracks in Al-Zn-Mg alloys 9—57158

Scamans, G.M., Swann, P.R. High voltage electron metallography of stress corrosion cracking of austenitic stainless steels 9—52425

Scandale, W. *see* Kissler, K.H. 9—72137

Scanio, J.J.G. *see* Frampton, P.H. 9—85264

Scanlon, J. *see* Halbert, T.R. 9—65066

Scanlon, J.C. *see* Chianelli, R.R. 9—100394

Scanlon, K., Laux, L., Overend, J. The determination of absolute infrared intensities with a Fourier transform spectrometer 9—93993

Scannapieco, A.J., Brysk, H. Illumination and energy deposition in a multibeam laser-fusion system 9—98429

Scansetti, F. *see* Cavallotti, P. 9—70151

Scantlebury, J.D. *see* Ashworth, V. 9—96181

Scantlen, M. *see* Iltis, R. 9—49239

Scaperoth, D.D. *see* Haddad, A.G. 9—88105

Scappini, F. *see* Caminati, W. 9—59442

Scappini, F. *see* Dal Borgo, A. 9—59438

Scaramuzza, L. *see* Gastaldi, L. 9—99141

Scarano, G. *see* Loizzo, P. 9—63754

Scarborough, J.C. Gas-turbine HTGR. A technology assessment 9—54490

Scarella, F. Electronic thermometer with adjustable alarm setting 9—63209

Scarf, F.L., Gurnett, D.A., Kurth, W.S., Poynter, R.L. Plasma wave turbulence at Jupiter's bow shock 9—96954

Scarf, F.L. *see* Grunett, D.A. 9—84733

Scarf, F.L. *see* Gurnett, D.A. 9—58199, 9—92709

Scarf, F.L. *see* Kurth, W.S. 9—96878

Scarf, F.L. *see* Taylor, W.W.L. 9—70979

Scarfe, C.D. *see* Hans, E.M. 9—53852

Scarfone, L.M., Chlipala, J.D. Theoretical estimates of the sheet resistance of Gaussian n-type ion-implanted layers in semiconductors: phosphorus in silicon 9—87103

Scarfone, L.M. *see* Richardson, L.M. 9—60836, 9—78105

Scaria, K.K. *see* Bappu, M.K.V. 9—53825

Scaringe, R.P., Ibers, J.A. Application of the matrix method to the calculation of diffuse scattering in linearly disordered crystals 9—99023

Scaringe, R.P. *see* Ammlung, R.L. 9—99363

Scarl, D. *see* Blake, G.D. 9—76670

Scarpace, F.L. Densitometry on multi-emulsion imagery 9—53555

Scarpelli, P.T. *see* Della Corte, M. 9—53180

Scarpetta, G. *see* De Filippo, S. 9—54249

Scarrot, S.M. *see* Warren-Smith, R.F. 9—53893

Scarrott, S.M. *see* Warren-Smith, R.F. 9—67030

Scarsi, G. *see* Boccotti, P. 9—100839

Scattergood, R.O. *see* Bacon, D.J. 9—60365, 9—73162

Scattergood, R.O. *see* Nolfi, F.V., Jr. 9—60401

Scaturro, L. *see* Overskei, D.O. 9—60173

Scaturro, L.S. *see* Schuss, J.J. 9—82078

Sceats, M.G., Rice, S.A. The intramolecular potential of water molecules engaged in hydrogen bonding from analysis of the overtone spectrum of ice I 9—93972

Sceats, M.G., Stavola, M., Rice, S.A. A zeroth order random network model of liquid water 9—68993

Sceats, M.G., Stavola, M., Rice, S.A. On the role of Fermi resonance in the spectrum of water in its condensed phases 9—93973

Schaab, H., Groten, E. Comparison of geocentric origins of global systems from uniformly distributed data 9—57839

Schaack, G. *see* Ahrens, K. 9—65159

Schaad, L.J. *see* Hess, B.A., Jr. 9—76346

Schaaf, R. *see* Christopher, R.J. 9—93123

Schaber, G.G. *see* Masursky, H. 9—92696

Schaber, H., Doezema, R.E. Far-infrared spin-flip resonance in PbTe 9—82979

Schaber, H. *see* Doezema, R.E. 9—73906

Schacher, G.E. *see* Davidson, K.L. 9—79918

Schachner, E., Shani, J., Atlan, H. Comparative values of ^{99m}Tc-phytate and ^{99m}Tc-sulfur colloids as scanning agents in splenomegaly 9—62342

Schachner, H. *see* Lux, B. 9—74297

Schack, R.P. *see* Perkins, J. 9—96238

Schad, H., Baur, G., Meier, G. Elastic constants and diamagnetic anisotropy of p-disubstituted phenylcyclohexanes (PCH) 9—65639

Schade, D. *see* Wohnlich, M. 9—66689

Schade, H. Work functions and sublimation entropies of the elements 9—56283

Schader, J. *see* Garten, R.P.H. 9—52802

Schadow, E., Steiner, R. Interfacial instability in liquid-liquid mass transfer under high pressure 9—94601

Schaechter, D.B. *see* Breakwell, J.V. 9—62426

Schaefer, A.R. Reflectance and external quantum efficiency change of a silicon photodiode after surface cleaning 9—93212

Schaefer, A.R., Geist, J. Spatial uniformity of quantum efficiency of a silicon photovoltaic detector 9—75593

Schaefer, B. *see* Abt, H.A. 9—71033

Schaefer, H.E. *see* Decker, W. 9—55920

Schaefer, H.F. *see* Bender, C.F. 9—89624

Schaefer, H.F. *see* Handy, N.C. 9—85908

Schaefer, H.F., III *see* Brooks, B.R. 9—76324

Schaefer, H.F., III *see* Goddard, J.D. 9—79271, 9—98004

Schaefer, H.F., III *see* Hood, D.M. 9—89601

Schaefer, H.R. *see* Brefeld, W. 9—63826, 9—68002

Schaefer, J.C., Chabay, I. Generation of enhanced coherent anti-Stokes Raman spectroscopy signals in liquid-filled waveguides 9—89961

Schaefer, R.J. *see* Ayers, J.D. 9—65101

Schaefer, R.R. *see* Wagner, H.H. 9—77629

Schaefer, R.W. Calculations of steam worth in a GCFR lattice 9—80991

Schaefer, R.W. *see* Beck, C.L. 9—67834

Schaefer, S., Arditti, M., Stankus, K., Frost, D., Ganz, W., Vas, R. A device for the simulation of cardiac arrhythmias 9—100755

Schaefer, S.C., Gokcen, N.A. Thermodynamic properties of liquid Al-Ni and Al-Si systems 9—91619

Schaeffer, D. *see* Golubitsky, M. 9—72828

Schaeffer, H.A., Mecha, J., Steinmann, J. Mobility of sodium ions in silica glass of different OH content 9—99359

Schaeffer, M. *see* Armenise, N. 9—67533

Schaeffer, R. Semi-classical description of heavy ion scattering 9—71867

Schaeffer, R. *see* Shlomo, S. 9—54403

Schaer, C. *see* Mansouri, F. 9—63117

Schaetzing, R. *see* Davidov, D. 9—73297

Schaetzing, R. *see* Litster, J.D. 9—95129

Schafer, B. Coupled ropes as a model for studying oscillations in high voltage transmission cables 9—90173

Schafer, D. *see* Zierold, K. 9—100798

Schafer, G. Cryopumps for application in science and technology 9—63252

Schafer, G. *see* Knof, J. 9—83886

Schafer, H.J. *see* Pieper, H. 9—72614

Schafer, J. *see* Hansmann, I. 9—79607

Schafer, K. Recent thrusting in the Appalachians 9—79836

Schafer, L., Klemm, A. Pair and triplet distribution functions of molten KCl from an MD-simulation 9—90520

Schafer, L., Witten, T.A., Jr. A critical ratio in the excluded volume problem 9—64136

Schafer, L. *see* Houghton, A. 9—75438

Schafer, L. *see* Sellers, H.L. 9—68181

Schafer, R.W. An overview of speech synthesis technology 9—90095

Schafer, R.W. *see* Leach, W.M., Jr. 9—59901

Schafer, R.W. *see* Rabiner, L.R. 9—72767

Schaffar, M. Direct measurements of the correlation between axial in-jet velocity fluctuations and far field noise near the axis of a cold jet 9—81629

Schaffer, E.J. *see* Horovitz, L.J. 9—96584

Schaffer, M.J., Bourque, R.F., Chung-Lih Hsieh, Waltz, R.E., Yamagishi, T. A calculation of linear magnetic liner fusion reactor performance 9—50885

Schaffer, R.E. *see* Gevins, A.S. 9—100591

Schaffhauser, A.C. *see* Harasyn, D.E. 9—100186

Schaffman, M.J., Silver, M. Cluster approach to simulating hopping in random media 9—73510

Schafir, R.L. Bondi's vector, and the Seliger and Whitham variational principle for matter fields 9—93013

Schagen, P. X-ray image intensifiers: Design and future possibilities 9—74756

Schaible, P.M., Schwartz, G.C. Preferential lateral chemical etching in reactive ion etching of aluminum and aluminum alloys 9—83371

Schaible, P.M. *see* Schwartz, G.C. 9—83351

Schaich, W.L. Theory of the driving force of electromigration: weak-charge solutions 9—55917

Schaich, W.L. Theory of photoemission: independent particle model 9—61496

Schaik, F.J.van *see* van Schaik, F.J.

Schainbaum, J. *see* Winicov, H. 9—52628

Schalk, T. *see* del Papa, C. 9—49528

Schallenberg, B. *see* Hausmann, A. 9—87312

Schaller, B.G.A. Solar energy in Southern Africa 9—57383

Schaller, H.-J. On the extremely high thermodynamic stability of Pd-Th alloys 9—55903

Schaller, H.-J. Magnetic properties and lattice parameters of platinum solid solutions 9—87236

Schaller, H.-J. A thermodynamic analysis of the Pt-Au miscibility gap 9—91629

Schaller, K. *see* Jakubowicz, H. 9—97763

Schaller, K. *see* Vial, B. 9—97780

Schallwich, D., Reinhardt, M. Planetary systems in the formation stage 9—53832

Schalow, G. *see* Miledi, R. 9—83751

Schamaun, R. *see* Liska, D. 9—76160

Schamel, H. Irreversible ponderomotive effects in a plasma 9—60105

Schamps, J. *see* Fournier, J. 9—89699

Schamps, J. *see* Pinchemel, B. 9—98115

Schamps, J. *see* Robbe, J.M. 9—59369

Schanda, J. *see* Dezsi, Gy. 9—88996

Schanz, G., Muller, V., Unterhorst, E.J. Nuclear-acoustic-resonance determination of the core polarization contribution to the Knight shift and hyperfine fields in single-crystal tantalum 9—51868

Schapink, F.W., Erlings, J.G. A note on electron diffraction from near-coincidence twist boundaries 9—90675

Schapink, F.W. *see* Erlings, J.G. 9—65100, 9—95297

Schapira, J.P. *see* Laurent, H. 9—68127

Schapiro, T.M. *see* Meshikowski, S.M. 9—70097

Schappert, G.T. *see* Benjamin, R.F. 9—54593

Schardt, A.W., Birmingham, T.J. Discrepancy in proton flux extrapolation along field lines in the middle Jovian magnetosphere 9—53763

Schardt, A.W. *see* Goertz, C.K. 9—84731

Schardt, A.W. *see* McDonald, F.B. 9—101111

Schardt, A.W. *see* Northrop, T.G. 9—53762

Schardt, D., Kirchner, R., Klepper, O., Reisdorf, W., Roeckl, E., Tidemand-Petersson, P., Ewan, G.T., Hagberg, E., Jonson, B., Mattsson, S., Nyman, G. Alpha decay studies of tellurium, iodine, xenon and cesium isotopes 9—93567

Schardt, D. *see* Ewan, G.T. 9—71820

Scharenberg, R.P. *see* Gaidos, J.A. 9—85440

Scharer, J.E. *see* Smith, D.K. 9—73007

Scharfenberg, P. CNDO/2 for iodine-containing molecules 9—94103

Scharl, P. *see* Weckesser, W.D. 9—62338

Scharlach, W.W.G., Woolf, N.J. Maser activity and hydrogen emission in long-period variable stars 9—88685

Scharlemann, E.T. *see* Arons, J. 9—92790

Scharmann, A. *see* Hofstaetter, A. 9—99957

Scharnberg, K., Fay, D., Schopohl, N. Analysis of proximity effects between spin singlet and spin triplet superconductors 9—56407

Scharnhorst, K.P. *see* Gaunaurd, G. 9—50476

Scharre, D.L. *see* Abrams, G.S. 9—89149, 9—89174

Scharre, D.L. *see* Piccolo, M. 9—93439

Scharre, D.L. *see* Rapidis, P.A. 9—75780
Schartner, K.-H. *see* Bhattacharya, R.S. 9—56906
Schastlivtsev, V.M. *see* Mirzaev, D.A. 9—70063
Schatt, W. *see* Busse, H. 9—91602
Schatten, K.H. A Great Red Spot dependence on solar activity 9—101110
Schatten, K.H. *see* Mullan, D.J. 9—75196
Schattner, R. The center of mass in general relativity 9—85017
Schattner, R. The uniqueness of the center of mass in general relativity 9—85018
Schatz, G. *see* Bekk, K. 9—72436
Schatz, G. *see* Heubes, P. 9—56629
Schatz, G. *see* Shroy, R.E. 9—54381
Schatz, G.C. How symmetric stretch excitation in a triatomic molecule can be more efficient than asymmetric stretch excitation in enhancing reaction rates in atom plus triatom reactions 9—91927
Schatz, G.C., Kupperman, A., Choi, B.H., Poe, R.T., Tang, K.T. Comment on 'Theory of collisions between an atom and a diatomic molecule in the body-fixed coordinate system' [and reply to comment] 9—64070
Schatz, G.C. *see* King, F.W. 9—51421, 9—81262
Schatz, G.C. *see* Vila, C.L. 9—61855
Schatz, P.N. *see* Mowery, R.L. 9—68248
Schatzel, K. *see* Vehrenkamp, R. 9—50828
Schatzler, H.P. Basic aspects on the use of elastic and inelastic scattered gamma radiation for the determination of binary systems with effective atomic numbers of less than 10 9—87897
Schaub, B., Schuster, H.G. Equation of motion and nonlinear response for a dipolar uniaxial ferromagnet near the critical point 9—99717
Schauf, C.L., Bullock, J.O. Modifications of sodium channel gating in Myxicola giant axons by deuterium oxide, temperature, and internal cations 9—88072
Schaumann, C.M., Stanford, C.A., Thomason, R.S. Diversion path analysis at Savannah River Plant [nuclear facility] 9—85739
Schaumburg, H. Lithographical techniques for large scale integrated circuits. II 9—71547
Schawlow, A.I. *see* Goldsmith, J.E.M. 9—89656
Schawlow, A.L. Laser spectroscopy of atoms and molecules 9—55002
Schawlow, A.L. *see* Carlson, N.W. 9—76472
Schawlow, A.L. *see* Goldsmith, J.E.M. 9—80696
Schawlow, A.L. *see* Hansch, T.W. 9—72267
Schawlow, A.L. *see* Lawler, J.E. 9—50169
Schcherbakov, V.P. *see* Maksimov, S.P. 9—63249
Schechter, D.E. *see* Menon, M.M. 9—76238
Schechter, D.E. *see* Stirling, W.L. 9—68117
Schechter, J. *see* Kalogeropoulos, T. 9—93406
Schechter, J. *see* Kandaswamy, J. 9—67481
Schechter, M. Completeness of wave operators in two Hilbert spaces 9—75376
Schechter, P.L., Gunn, J.E. Observations of the internal dynamics of 12 elliptical galaxies 9—53902
Schechter, P.L. *see* Kirshner, R.P. 9—88731
Schechter, R.S. *see* Addison, J.V. 9—95245
Schechter, R.S. *see* Morgan, D.E. 9—85741
Scheck, F. *see* Dey, W. 9—98252
Scheck, F. *see* Wullschleger, A. 9—97699
Scheele, M. *see* Enderlein, R. 9—82950
Scheeline, A., Hosch, J.W., Coleman, D.M., Walters, J.P. Versatile mirror mount for stable optical instrumentation 9—80690
Scheeline, A., Walters, J.P. Investigation of bipolar oscillatory spark discharges 9—73050
Scheer, J.J. *see* Visser, J. 9—80634
Scheerer, J. *see* Daniel, H. 9—68014
Scheerlinck, D. *see* Wegener, W. 9—78361
Scheerschmidt, K., Carl, S. Application of Riemann's integration method to diffraction problems in Bloch wave representation 9—50959
Scheerschmidt, K. *see* Carl, S. 9—50960
Scheetz, R.A. *see* Lee, R.C. 9—89532
Scheffler, M. *see* Bradshaw, A.M. 9—77904
Scheffler, T.B., Malherbe, J.B. Complex energy eigenvalues of a zero-range atom in a uniform electric field 9—72227
Scheib, U. *see* Schneider, S. 9—89284
Scheiba, M. *see* Bratter, P. 9—96018
Scheiber, H., Jr. *see* Leu, Y.-T. 9—100047
Scheibner, B.A., Meadows, M.R., Mockler, R.C., O'Sullivan, W.J. Critical phenomena in fluid films: scaling crossover and law of corresponding states 9—90787
Scheibner, B.A. *see* Meadows, M.R. 9—90788
Scheibner, E.J. *see* Johnson, R.W. 9—74529
Scheibner, H. *see* Musa, G. 9—89646
Scheid, M.P. *see* Goldstein, G. 9—84058
Scheid, W. *see* Hahn, D. 9—89256
Scheid, W. *see* Heinz, U. 9—93538
Scheid, W. *see* Maruhn-Rezwani, V. 9—89774
Scheid, W. *see* Park, J.Y. 9—89325
Scheid, W. *see* Terlecki, G. 9—97730
Scheidecker, J.P. *see* Benettin, G. 9—80562
Scheidegger, A.E. *see* Kohlbeck, F. 9—96754
Scheidel, J. *see* Bonsor, D.H. 9—51013
Scheiding, W. *see* Wessels, G. 9—83866
Scheidt, H. *see* Boiziau, C. 9—77977
Scheidt, H. *see* Conrad, M. 9—95877
Scheidt, H. *see* Denninger, G. 9—54197
Scheidt, H. *see* Dose, V. 9—54237, 9—56886
Schein, L.B., Cressman, P.J., Cross, L.E. Electrostatic measurements of unusually large secondary pyroelectricity in partially clamped $LiNbO_3$ 9—82927
Schein, L.B., Cressman, P.J., Cross, L.E. Electrostatic measurements of tertiary pyroelectricity in partially clamped $LiNbO_3$ 9—82928
Schein, L.B., McGhie, A.R. Electric field independent mobilities in molecular crystals 9—51645
Scheinbeim, J., Nakafuku, C., Newman, B.A., Pae, K.D. High-pressure crystallization of poly(vinylidene fluoride) 9—90568
Scheiner, P. *see* Kerker, M. 9—92009
Scheinpflug, M. Wake measurements on a ship model in the wind tunnel 9—60085
Scheirich, L. *see* Rusin, V. 9—66985
Scheiterer, E. *see* Leeb, W.R. 9—72669
Scheithe, W. *see* Kotzler, J. 9—87322
Scheiwe, M.W., Schwindke, P. Improvements of the deepfreezing of biological cell suspensions by automatic detection of the thermal history of the sample 9—88215
Schek, I., Jortner, J. Multiphoton resonances of an anharmonic molecule 9—54927
Schek, I., Jortner, J. Random coupling model for multiphoton photofragmentation of large molecules 9—68281
Schek, I., Jortner, J., Sage, M.L. Intensities of high-energy molecular C-H vibrational overtones 9—76404
Schek, I., Sage, M.L., Jortner, J. Validity of the rotating wave approximation for high-order molecular multiphoton processes 9—59518
Schelev, M.Ya. *see* Hamal, K. 9—49314
Schelin, H.R. *see* Wylie, W.R. 9—85856
Schell, B.A. Seismotectonic microzoning for earthquake risk reduction 9—88290
Schell, M.C. *see* Deye, J.A. 9—88196
Schellart, N.A.M., Riemslag, F.C.C., Spekreijse, H. Center-surround organisation and interactions in receptive fields of goldfish tectal units 9—79538
Schellekens, A.N. Subtraction scheme dependence of QCD predictions 9—49450
Schelleng, J.H. *see* Forester, D.W. 9—61141
Schellhase, R. *see* Ruppersberg, G.H. 9—100954
Schellhase, R. *see* von Redwitz, H. 9—53523
Schellinger, D. *see* Raptopoulos, V. 9—88210
Schelten, J., Schmatz, W. Molecular conformation of polypropylene in the molten and crystalline states 9—51012
Schelten, J. *see* Ballard, D.G.H. 9—94922
Schemel, J.H. *see* Naylor, T.D. 9—59241
Schemenauer, R.S., Curry, M.J. Ice particle/water droplet discrimination with an optical ice particle counter 9—100973
Schempp, W.V. *see* Pilcher, C.B. 9—53758
Schenck, A. The importance of the muon spin rotation (μSR) technique in low temperature physics 9—65782
Schenck, A. *see* Camani, M. 9—56663, 9—56692, 9—56699, 9—57279
Schenck, A. *see* Castro, M. 9—55005
Schenck, A. *see* Keller, J. 9—56657
Schenk, A. *see* Camania, M. 9—56656
Schenk, E. *see* Morris, T.W. 9—84067
Schenk, H. *see* Forkel, W. 9—56437
Schenk, H. *see* Van Der Putten, N. 9—51034
Schenk, H.J., Bauer, H.J., Baranowski, B. Formation and decomposition of the hydride phase in Ni-Mn alloys in high-pressure gaseous hydrogen followed by magnetic measurements 9—56953
Schenk, H.J. *see* Koglin, E. 9—73939
Schenk, J. *see* Frebel, M. 9—87642
Schenkova, Z. *see* Prochazkova, D. 9—84173
Schenkova, Z. *see* Radu, C. 9—84168
Schenter, R.E. *see* Davis, B.R. 9—67791
Schepelin, A.P. *see* Zhdan, P.A. 9—91994
Schepman, A.M.H., Van Der Voort, J.A.P., Kramer, J., Mellema, J.E. Getting started with a scanning transmission electron microscope coupled to a small computer 9—54235
Schepper, W. *see* Beck, D. 9—86047
Scheraga, H.A. *see* Dunfield, L.G. 9—50174
Scheraga, H.A. *see* Nemenoff, R.A. 9—50103, 9—54933, 9—54934
Scheraga, H.A. *see* Snir, J. 9—50102, 9—54935
Scherbakov, G.V. *see* Gordeev, V.A. 9—56675
Scherbedinskii, G.V., Akimov, V.K., Ushakov, O.I. Method of determining interdiffusion coefficients in ternary metal systems 9—95221
Scherber, W. *see* Steinheil, E. 9—95896
Scherer, C. *see* Gusmao, M.A. 9—61030
Scherer, G. *see* Lee, W.-Y. 9—100286
Scherer, J.R., Snyder, R.G., Krause, S.J. Resolution of crystal split fundamentals of polyethylene by Raman difference spectroscopy 9—95373
Scherer, W. *see* Gerwin, H. 9—93713
Scherf, G., Gunther, M., Bauer, G. Supplementary units for the new JENA-made two-coordinate measuring microscopes 9—75588
Scheringer, C. Symmetry restrictions on the components of the second-order tensors in the cubic crystal system: correction of an error in International Tables for X-ray Crystallography (1974) 9—73120
Scheringer, C. Anharmonic contributions to dynamic electron densities caused by large librations of molecules 9—97971
Scheringer, C., Fadini, A. On the contributions of the internal modes of molecules to the Debye-Waller factors. II. Theoretical considerations 9—73263
Scheringer, C. *see* Dietrich, H. 9—55730
Scheringer, C. *see* Ishii, M. 9—73264
Scheringer, C. *see* Kutoglu, A. 9—50922
Scherk, J. *see* Cremmer, E. 9—67212
Scherk, L.R. An improved value for the electron affinity of the negative hydrogen ion 9—54986
Scherm, R., Stirling, W.G., Hilton, P.A. The roton lifetime in ^{3}He-^{4}He mixtures 9—56011
Scherm, R., Wagner, V. Some applications of a horizontally curved analyser crystal 9—50412
Scherm, R. *see* Hilton, P.A. 9—55998
Scherm, R. *see* Magerl, A. 9—60453
Scherm, R. *see* Svensson, E.C. 9—55973
Schermann, J.P. *see* Astruc, J.P. 9—72433
Scherpelz, R.I. *see* Bierman, S.R. 9—59162
Scherr, C.W. From snowballs to ICBM's 9—58465
Scherr, C.W. Two-electron atoms. The Kinoshita expansion 9—59351
Scherr, C.W. The monkey and the hunter 9—75306
Scherr, C.W. Comment on 'Relative velocities and the runner' 9—84904
Scherrer, P.H. *see* Duvall, T.L., Jr. 9—66978
Scherrer, P.H. *see* Wilcox, J.M. 9—74936
Schertz, W. *see* Ozakcay, L. 9—62102
Scherzer, B.M.U. *see* Behrisch, R. 9—56901
Scherzer, B.M.U. *see* Risch, M.R. 9—73226
Scherzer, R. *see* Hunger, W. 9—76299
Scherzer, R. *see* Simon, M. 9—66891
Schettino, V., Salvi, P.R. The internal vibration of the hydrogen chloride crystal: electrostatic interactions and infrared bandshape 9—91417
Schettino, V. *see* Castellucci, E. 9—51211
Schettino, V. *see* Salvi, P.R. 9—87427
Schetzina, J.F. Photoconductivity in relaxation semiconductors including certain amorphous materials 9—73541
Scheuerpflug, W. *see* Moennich, E. 9—85683
Scheunemann, H.-U. *see* Illenberger, E. 9—50141
Scheunemann, K. *see* Kuhs, W.F. 9—60300
Scheunert, M. Generalized Lie algebras 9—58898
Schewe, P. *see* Bleser, E. 9—68089
Schewe, P. *see* McInturff, A.D. 9—68088
Schianchi, G. *see* Paracchini, C. 9—56865
Schiavon, P. *see* Fidecaro, G. 9—85343
Schiavone, J.A. Dissociative excitation of CO_2 by electron impact: translational spectroscopy of O** fragments 9—54979
Schiavone, J.A., Tarr, S.M., Freund, R.S. High-Rydberg atomic fragments from electron-impact dissociation of molecules 9—68324
Schiavone, J.A., Tarr, S.M., Freund, R.S. Electron-impact excitation of the rare-gas atoms to high-Rydberg states 9—89790
Schiavulli, L., Selleri, F. Further consequences of Einstein locality 9—67173
Schiby, B. *see* Bourquin, M. 9—71768
Schich, M. *see* Nienhuis, B. 9—99706
Schicht, I.M. *see* de Graaf, P. 9—70611
Schick, M. *see* Dash, J.G. 9—99390
Schick, M. *see* Domany, E. 9—60628
Schick, M. *see* Hilhorst, H.J. 9—73749
Schick, R. A seismotectonic study of the 1908 Messina earthquake 9—84177
Schick, W.C., Jr., Emert, C.J., Shure, K., Natelson, M. Detection of thermal shield motion using ex-core neutron detectors 9—59220
Schickfus, M.V., Golding, B., Arnold, W., Hunklinger, S. Coherent electric echoes in fused silica glass 9—61300
Schidlowski, M., Appel, W.U., Eichmann, R., Junge, C.E. Carbon isotope geochemistry of the 3.7M10^9-yr-old Isua sediments, West Greenland: implications for the Archaean carbon and oxygen cycles 9—84262
Schidlowski, M. *see* Monster, J. 9—92537
Schiebel, U. *see* Ellsworth, L.D. 9—50123
Schiebel, U. *see* Miethe, K. 9—83085
Schieber, M. *see* Balog, M. 9—100055
Schieber, M.M. *see* Whited, R.C. 9—68156
Schieck, H.P.G. *see* Latzel, G. 9—75946
Schiek, O. *see* Gruner, W. 9—54167
Schieman, D.R.J. *see* Shannon, W.E. 9—66837
Schiemenz, P., Clement, H., Frick, R., Graw, G., Seichert, N. The tensor analyzing power A_{xz} for elastic scattering of 20.2 MeV deuterons from ^{4}He 9—85450
Schier, H., Rosenfeldt, H. Transmission of high-density optical information by means of a kinematic-optical projection method 9—72678
Schierholz, G. *see* Ali, A. 9—49459
Schiermeier, F.A. *see* Pietrowicz, J.A. 9—70864
Schiestel, R. *see* Gosse, J. 9—86333
Schiestel, R.S. *see* Launder, B.E. 9—50763
Schieve, J.B. *see* Sostre, S. 9—88173
Schieve, W.C. *see* Bulsara, A.R. 9—50279, 9—76657
Schieve, W.C. *see* Gragg, R.F. 9—76652
Schieve, W.C. *see* Horwitz, L.P. 9—63126
Schiferl, D. Pseudopotential crystal-structure stability calculations on black phosphorous as a function of pressure 9—60503

Schiff, H. *see* Phillips, D.S. 9—67170
Schiff, H.I. *see* Davidson, J.A. 9—53494
Schiffer, F.H., III *see* Dufour, R.J. 9—53907
Schiffer, J.P. *see* Braid, T.H. 9—60414
Schiffer, L.M. The cytokinetic basis for the design of efficacious radiotherapy protocols 9—88124
Schiffer, R., Thielheim, K.O. Light scattering by dielectric needles and disks 9—76591
Schifferdecker, M. *see* Nimtz, G. 9—50989
Schiffner, G., Wittmann, J., Leeb, W.R., Krammer, H. Reciprocity of birefringent single-mode fibers for optical gyros 9—81513
Schiffner, G. *see* Leeb, W.R. 9—72669
Schifreen, R.S., Miller, C.S., Carr, P.W. High sensitivity, continuous flow thermochemical analyzer 9—92022
Schigolev, N.D. *see* Alkhazov, G.D. 9—75957
Schijve, J. Four lectures on fatigue crack growth 9—50653
Schikora, D. *see* Berger, H. 9—65206
Schild, H. *see* Nussbaumer, H. 9—71089
Schild, R.E. *see* Garrison, R.F. 9—88709
Schildknecht, D. *see* De Groot, E.H. 9—89096
Schildknecht, D. *see* Gounaris, G.J. 9—63405
Schildknecht, M., Miller, J.A., Meier, G.E.A. The influence of suction on the structure of turbulence in fully developed pipe flow 9—50799
Schilizzi, T.R., van Ardenne, A., Miley, G.K., Baud, B., Baath, L., Ronnang, B.O., Paulinv-Toth, I.I.K. High resolution observations of the compact central component in the giant radio source 3C 236 9—92878
Schillaci, M.E. *see* Brown, J.A. 9—56685
Schillaci, M.E. *see* Heffner, R.H. 9—56686
Schillaci, M.E. *see* Kohn, S. 9—56695
Schillaci, M.E. *see* Leon, M. 9—76534
Schiller, A. Three-jet production in large-$p_\perp$ reactions 9—93373
Schiller, G. Short-term and long-term fluctuations of hydro [electric] generation 9—87961
Schiller, N. *see* Bates, H.E. 9—61330
Schiller, W., Sellger, R., Christoph, V. Force-correlation function method applied to the Hall coefficient of paramagnetic transition metals 9—91028
Schiller, W. *see* Richter, J. 9—56185
Schilling, A.H. Socioeconomic impacts of nuclear waste repositories: an environmental decision problem 9—49715
Schilling, D. *see* Korn, D. 9—61081, 9—69655
Schilling, G. *see* Eubank, H. 9—82074
Schilling, G. *see* Strachan, J.D. 9—68954
Schilling, H. Minimisation of relaxation drag of slim profiles in nearly solidified subsonic flow 9—81916
Schilling, H. *see* Camani, M. 9—56663, 9—56692, 9—56699, 9—57279
Schilling, H. *see* Camania, M. 9—56656
Schilling, H. *see* Castro, M. 9—56658
Schilling, H. *see* Flossdorf, J. 9—71443
Schilling, H.-B. *see* Andelfinger, C. 9—76162
Schilling, H.-D. Technological state and chances of fluidized-bed firing for the generation of heat and power from coal 9—92050
Schilling, J. *see* Fasol, G. 9—56352
Schilling, J.-G. *see* Rowe, E.C. 9—57900
Schilling, J.H., Comins, N.R., Hengstberger, M.M.E. Combined element depth profiling with the IMMA and the SEM based on wedge shaped craters 9—74481
Schilling, J.S. Pressure as a parameter in the study of dilute magnetic alloys 9—99676
Schilling, K.D. *see* Andrejtscheff, W. 9—97680
Schilling, M.L.M. *see* Roth, H.D. 9—89688
Schilling, R. The calculation of developed flows in rotating channels having rectangular cross-section 9—86516
Schilling, R. *see* Bader, H.P. 9—73662
Schilling, R. *see* Billing, H. 9—101076
Schimmel, A., Kaspersen, F.M., Lidner, L. Cyclotron production of $^{123}Xe(\rightarrow^{123}I$ and ^{127}Xe using CH_2I_2 as target material 9—79651
Schimmel, D.G. Defect etch for ⟨100⟩ silicon evaluation 9—90657
Schimmel, P.R. *see* Gamble, R.C. 9—92169
Schimmerling, W. *see* Wefel, J.P. 9—54442
Schindl, K. Simultaneous dynamic compensation of stopbands and multipurpose location of correction lenses in the CERN PS booster 9—76191
Schindler, K. Theories of tail structures 9—80099
Schindler, K. *see* Staupendahl, G. 9—50345
Schindler, M.E., Crooker, P.P. Polarization of the scattered light in the isotropic phase of a cholesteric liquid crystal 9—78691
Schindler, R. *see* Frank, W. 9—65126
Schindler, R.H. *see* Abrams, G.S. 9—89149, 9—89174
Schindler, R.H. *see* Rapidis, P.A. 9—75780
Schindler, S.M. *see* Koga, R. 9—101063
Schindlmayr, R. *see* Schlipf, J. 9—99193
Schinke, R., Lester, W.A., Jr. Trajectory study of $O+H_2$ reactions on fitted ab initio surfaces. I. Triplet case 9—74358
Schinke, R. *see* Luntz, A.C. 9—83446
Schinkel, C.J. *see* Elenbaas, R.A. 9—78411
Schinker, M.G. *see* Doll, W. 9—83298
Schinkinger, W., Trentin, R. Video systems for complex presentation assignments 9—67265
Schintlmeister, W. *see* Packer, O. 9—95966
Schinzel, D. *see* Apel', V.D. 9—89194
Schinzel, D. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195
Schinzel, D. *see* Giboni, K.L. 9—89204
Schinzel, D. *see* Tran, M.T. 9—93665
Schippel, E. The importance of added metals on the sublimation behaviour of Ni-Cr alloys in vacuum 9—90775
Schipper, P.E. *see* Norden, B. 9—81196
Schiraldi, A., Pezzati, E., Chiodelli, G. Phase diagram and point defect parameters of the system CsBr-TlBr 9—96017
Schirber, J.E., Morosin, B. 'Compressibility collapse' transition in ReO_3 9—65188
Schirber, J.E., Switendick, A.C., Gordon, W.L. Volume dependence of the electronic structure of Cu_2Mg 9—65366
Schirber, J.E. *see* Morosin, B. 9—99262
Schirmer, J. *see* Domcke, W. 9—56913, 9—64041, 9—76522
Schirmer, O. *see* Goetzberger, A. 9—61945
Schirmer, O.F. X-ray photovoltaic effect in undoped $LiNbO_3$ and its correlation with ESR 9—82639
Schisler, I.P., Beck, J.V. Estimation of thermal parameters from transient temperature measurements containing correlated ARIMA errors 9—76938
Schivell, J. *see* Eubank, H. 9—82074
Schjelderup, J.R. *see* de Haan, H.J. 9—68502
Schjoldager, J., Sivertsen, B., Hanssen, J.E. On the occurrence of photochemical oxidants at high latitudes 9—74567
Schkol'nikova, L.M. *see* Chudinova, N.N. 9—79235
Schlag, E.W. *see* Knoth, I. 9—89724
Schlag, E.W. *see* Selzle, H.L. 9—50059
Schlager, B., Asbell, S.O., Baker, A.S., Sklaroff, D.M., Seydel, H.G., Ostrum, B.J. The use of computerized tomography scanning in treatment planning for bladder carcinoma 9—88159
Schlaikjer, C.R., Goebel, F., Marincic, N. Discharge reaction mechanisms in $Li/SOCl_2$ cells 9—100504
Schlapbach, L. *see* Busch, G. 9—77872
Schlapbach, L. *see* Camani, M. 9—56699
Schlatter, D. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Schlatter, D. *see* Groot, J.G.H. 9—93395
Schlegel, A., Alvarado, S.F., Wachter, P. Optical properties of magnetite (Fe_3O_4) 9—51977
Schlegel, A., Wachter, P., Ackermann, K.P., Liard, M., Guntherodt, H.-J. Optical properties of metallic glasses 9—87464
Schlegel, A. *see* Zvara, M. 9—99903
Schlegel, H.B. *see* Kost, D. 9—89608
Schlegel, K. *see* Fritsch, P. 9—57229
Schleich, D. *see* Venien, J.P. 9—95402
Schleicher, B.R. *see* Powell, H.T. 9—68389
Schlein, P. *see* Bromberg, C. 9—54438, 9—89199, 9—89200
Schlein, P. *see* Erhan, S. 9—49550, 9—89206
Schlein, P. *see* Lockman, W. 9—89205
Schleker, W., Fleischhauer, J. A CNDO/2-INDO-study of the mechanism of the thermal dimerization of dimethylketene 9—54771
Schlenk, K.W. Amorphous metals—metals with the structure of glass 9—51813
Schlenk, K.W. Electromechanical transducers. A link between electronics and mechanics 9—80708
Schlenker, C., Buder, R., Nguyen, V.D., Dumas, J., Friederich, A., Kaplan, D., Sol, N. Magnetic susceptibility of $Na_xV_2O_5$-β 9—78337
Schlenker, C. *see* Dumas, J. 9—82791
Schlenker, J.L., Pluth, J.J., Smith, J.V. Positions of cations and molecules in zeolites with the mordenite-type framework. VIII. Dehydrated sodium-exchanged mordenite 9—90617
Schlenker, R.A., Kotek, T.J. Effect of arm orientation on bone mineral mass and bone width measured using the Cameron-Sorenson technique 9—62345
Schlepuitz, F.W. *see* Navon, I. 9—85543
Schleputz, F.W. *see* Engfer, R. 9—85497
Schleputz, F.W. *see* Navon, I. 9—63705
Schlesinger, A. Vibration isolation in the presence of Coulomb friction 9—81768
Schlesinger, D.H. *see* Goldstein, G. 9—84058
Schlesinger, D.M., Brent, R.L. Effects of X irradiation during preimplantation stages of gestation on cell viability and embryo survival in the mouse 9—88137
Schlesinger, R.E. Nonlinear eddy-viscosity turbulence parameterization in anelastic three-dimensional flow. Some mathematical aspects 9—88414
Schlesinger, S.P. *see* Gilgenbach, R.M. 9—64163, 9—68946
Schlesinger, Y. *see* Yeshurun, Y. 9—51884
Schlett, V. *see* Hehenkamp, T. 9—60552
Schleusener, J. The study of noble gas molecule interactions by means of measurement of total and rotation-resolved differential scattering cross-sections 9—89732
Schleusener, J. *see* Aziz, R.A. 9—68292
Schley, R. *see* Glock, G. 9—67894
Schlicht, B. *see* Nimtz, G. 9—65498
Schlichting, J. Molybdenum disilicide as a modern component high temperature bonded material 9—74295
Schlichting, J. High temperature oxidation of disilicides in the system $MoSi_2$-$TiSi_2$ 9—83341
Schlichting, J., Hofmann, S. Investigation of the SiO_2 coating on the oxidation of $MoSi_2$ using Auger electron spectroscopy 9—74298
Schlichting, J., Kriegesmann, J. Oxidation behaviour of hot-pressed silicon carbide 9—96161
Schlick, P. *see* Schulze, D. 9—72169
Schlie, L.A. *see* Benedict, R.P. 9—64027
Schlie, L.A. *see* Hamil, R.A. 9—55119
Schlieper, H. *see* Tillmann, W. 9—50823, 9—53262
Schlimmer, M. Formulation for mechanical behaviour by time dependant stress relations 9—76987
Schlinger, W.G. *see* Robin, A.M. 9—52869
Schlipf, J. Energetics for dislocation motion in a Peierls potential 9—99192
Schlipf, J., Schindlmayr, R. Kinetics for thermally activated dislocation motion in periodic potentials 9—99193
Schlippe, W.von *see* von Schlippe, W.
Schliwa, M. *see* Brandelik, R. 9—63491, 9—93441
Schloerb, F.P., Irvine, W.M., Robinson, S.E. A search for millimeter-wave emission from HCN, CO, and CH_3CN in Comet Bradfield (1978c) 9—75157
Schloerb, F.P., Muhleman, D.O., Berge, G.L. Interferometric observations of Saturn and its rings at a wavelength of 3.71 cm 9—96962
Schloerb, F.P., Muhleman, D.O., Berge, G.L. An aperture synthesis study of Saturn and its rings at 3.71-cm wavelength 9—96963
Schloesing-Moller, C. *see* Cauchois, Y. 9—75905
Schloesser, J. *see* Arndt, E. 9—97758
Schlogl, F. Small fluctuations in a steady non-equilibrium state 9—49187
Schlogl, F. Stochastic laws and thermodynamic inequality conditions in nonequilibrium 9—75482
Schlosberg, W.H. *see* Cohen, J.B. 9—68977
Schlosser, D.W. *see* Brillante, A. 9—91461
Schlosser, E. *see* Goebel, E.O. 9—98356
Schlosser, G., Uyttendaele, P. Recycling of plutonium in light-water reactors. II. Prospective commercial recycling 9—71935
Schlosser, M.J. *see* Celnik, J. 9—59225
Schlosser, P. *see* Miller, D. 9—49353
Schlosser, W., van Paradijs, J. UBV photometry of SMC X-2 9—67116
Schlossman, D. *see* Bjuro, T. 9—70692
Schlottmann, P. Some properties of Wolff's model of a magnetic impurity in a metal 9—61052
Schlottmann, P. Simple results for the susceptibility of a spin-1/2 Kondo system 9—65646
Schlottmann, P. Short-range-order model for mixed-valence systems 9—78049
Schlottmann, P. A local mixed valence model 9—99513
Schlottmann, P., Gerhardts, R. Interacting electron gas in a strong magnetic field. II. Solution of the Schulz-Keiter model 9—90981
Schlottmann, P. *see* Gerhardts, R. 9—90980
Schlottmann, P. *see* Sakurai, A. 9—60770
Schluderberg, D.C. *see* Sze, D.K. 9—85799
Schlunegger, U.P., Hirter, P. Detection of fragment genesis in the mass spectrometer. IV. Peptide sequencing by DADI-MS 9—57573
Schlup, W.A. Characteristic resulting from the Werthamer equation at finite temperatures and capacitance 9—56427
Schluter, H. *see* Bohm, G. 9—60194
Schluter, M., Rowe, J.E., Weeks, S.P., Christman, S.B. Chemisorption of Cl in surface vacancies on Si(111) 1×1 9—77910
Schluter, M. *see* Baraff, G.A. 9—78043
Schluter, M. *see* Kane, E.O. 9—82554
Schluter, M. *see* Lanzl, F. 9—76648, 9—86139
Schlutter, H. *see* Armstrong, T.A. 9—85344
Schmadel, L.D., Schubart, J., Schuster, H.-E., West, R.M. A survey for high-inclination minor planets 9—75156
Schmahl, E.J., Orrall, F.Q. Evidence for continuum absorption above the quiet Sun transition region 9—92738
Schmailzl, U., Capitelli, M. Nonequilibrium dissociation of CO induced by electron-vibration and IR-laser pumping 9—86016
Schmalz, T.G., Stechel, E.B., Light, J.C. Time independent quantum theory of electron transfer collisions using a nonorthogonal basis and R-matrix propagation 9—89769
Schmalz, T.G. *see* Light, J.C. 9—59534
Schmalz, T.G. *see* Stechel, E.B. 9—91909
Schmalzried, H., Reye, H. The role of phase boundaries in heterogeneous solid state reactions. III. An experimental study with Ag_2S 9—83179
Schmalzried, H. *see* Langanke, B. 9—77785
Schmatjko, K.J., Wolfrum, J. Reaction of flash photolytically produced $CN(X^2\Sigma^+, v)$ radicals with $O(^3P)$ atoms 9—66289
Schmatz, W. Disordered structures. [Neutron diffraction] 9—60228
Schmatz, W. *see* Loewenhaupt, M. 9—61058
Schmatz, W. *see* Schelten, J. 9—51012

Schmaus, D., Abel, F., Bruneaux, M., Cohen, C., L'Hoir, A., Della Mea, G., Drigo, A.V., Lo Russo, S., Bentini, G.G. Multiple scattering of MeV light ions through thin amorphous anodic SiO_2 layers formed on silicon single crystals 9—86828
Schmeckenbecher, A.F. *see* Bratter, R.L. 9—96244
Schmeckenbecher, A.F. *see* Harvilchuck, J.M. 9—79187
Schmeider, R.W. Pressure dependence of gas breakdown by combined laser and microwave fields 9—55446
Schmeltekopf, A.L. *see* Davidson, J.A. 9—53494
Schmeltekopf, A.L. *see* McFarland, M. 9—100893
Schmelzbach, P.A., Konig, V., Gruebler, W., Burgi, H.R., Jenny, B., Seiler, F., Heidenreich, G., Roser, H., Reichart, W. Investigation of the p-d elastic scattering with polarized protons and deuterons 9—71830
Schmelzbach, P.A., Ohlsen, G.G., Jarmie, N., Haglund, R.H., Jr., Brown, R.E. The scattering of polarized deuterons on ^{3}He between 10 and 17 MeV 9—75966
Schmelzbach, P.A. *see* Burgi, H.R. 9—67756
Schmelzbach, P.A. *see* Gruebler, W. 9—71858, 9—75953
Schmelzbach, P.A. *see* Jenny, B. 9—76006, 9—85443
Schmelzbach, P.A. *see* White, R.E. 9—63653, 9—71833
Schmelzer, G. Some examples of contactless temperature measurement, using the infrared camera 9—58685
Schmelzer, N. *see* Einfeldt, J. 9—86534, 9—86535
Schmetzer, K. The Alexandrite effect in solids 9—51924
Schmialek, P., Zapf, B., Baisch, F., Geyer, A., Miosga, V., Nundel, M. An automatic counter for autoradiographed cells in Petri dishes 9—70723
Schmid, A. Superconductors out of thermal equilibrium 9—65589
Schmid, A., Schon, G. Generation of branch imbalance by the interaction between supercurrent and thermal gradient 9—99657
Schmid, A. *see* Kelly, P. 9—95708
Schmid, D. *see* Auweter, H. 9—83032
Schmid, E. *see* Bauchinger, M. 9—92294
Schmid, E.W., Kircher, R. Separable interaction of composite particles with inclusion of the Pauli principle 9—85389
Schmid, G.E. *see* Brandeis, C. 9—77618
Schmid, H., Tippman, H. Gas phase synthesis of epitaxial layers of nickel-chlorine boracite on chromium-chlorine boracite 9—60650
Schmid, H. *see* Depmeier, W. 9—52091
Schmid, H. *see* Korner, A. 9—51108
Schmid, H. *see* Phillipp, F. 9—99244
Schmid, J.J., Felber, N., Rickli, A. Glass fibre branch couplers for an optical data bus 9—89999
Schmid, K.W., Grummer, F. Variational equations for the solution of the Hartree-Fock problem with angular momentum projection before the variation 9—93537
Schmid, K.W. *see* Grummer, F. 9—93481
Schmid, N. Design of a fixed frequency delta resonator with positive gradient radial voltage distribution 9—54685
Schmid, N. *see* Lanz, P. 9—54684
Schmid, P. *see* Blietschau, J. 9—93396
Schmid, P.E. *see* Bent, R.B. 9—58174
Schmid, R., Tschebull, W., Gutmann, V. Formation kinetics of tetrachlorocobaltate in miscellaneous solvents. V. Kinetic examination in nonaqueous systems and determination of change of temperature 9—70300
Schmid, S.M. *see* Casey, M. 9—83230
Schmid, W., Umlauf, E., Bredl, C.D., Steglich, F. Superconducting properties of (La, Nd)Sn_3 alloys 9—60958
Schmid, W. *see* Bredl, C.D. 9—60973
Schmid, W. *see* Federer, B. 9—84542
Schmid, W. *see* Sauer, R. 9—95837
Schmid, W. *see* Umlauf, E. 9—78254
Schmid, W. *see* Waldvogel, A. 9—79951
Schmid-Schoenbein, G.W., Fung, Y.C. Forced perturbation of respiratory system. I. The traditional model 9—83815
Schmid-Schoenbein, G.W., Fung, Y.C. Forced perturbation of respiratory system. II. A continuum mechanics analysis 9—100640
Schmid-Schonbein, H. *see* Abts, L. 9—84068
Schmid-Schonbein, H. *see* Fischer, T.M. 9—74711
Schmidlin, F.J. *see* Kao, S.K. 9—84439
Schmidt, B.G., Stewart, J.M. The scalar wave equation in a Schwarzschild space-time 9—93010
Schmidt, B.G. *see* Christodoulou, D. 9—93002
Schmidt, C. Simple method to measure the thermal conductivity of technical superconductors, e.g., NbTi 9—58682
Schmidt, C.W., Curtis, C.D. A 50-mA negative hydrogen-ion source 9—72172
Schmidt, C.W. *see* Curtis, C.D. 9—71989
Schmidt, D.P. Acoustic flow measurement in wide rivers 9—72975
Schmidt, D.S. Literal solution for Hill's lunar problem 9—66909
Schmidt, D.W. *see* Borner, H. 9—63237, 9—73355
Schmidt, E. Influence of nuclear data uncertainties on results when recycling actinides other than fuel 9—85711
Schmidt, E. *see* Cametti, J. 9—85701
Schmidt, E. *see* Hage, W. 9—85700
Schmidt, E. *see* Lukes, F. 9—83537
Schmidt, E.G., Taylor, D.J. The calculation of $H\beta'$ indices. I. The calibration and instrumental considerations 9—96923
Schmidt, E.V. *see* Fryer, T.B. 9—74736
Schmidt, F.A. *see* Fagaly, R.L. 9—60966
Schmidt, F.A. *see* Weinstock, H. 9—60792
Schmidt, F.W., Szego, J. Transient response of a hollow cylindrical-cross-section solid sensible heat: storage unit—single fluid 9—55313
Schmidt, F.W. *see* Szego, J. 9—55316
Schmidt, G., Hirose, A. Comments on the paper 'On energy of non-resonantly growing plasma waves' by A. Hirose [and reply] 9—60155
Schmidt, G. *see* Backenstoss, G. 9—76035
Schmidt, G. *see* Czechowsky, P. 9—84370
Schmidt, G. *see* Eubank, H. 9—82074
Schmidt, G. *see* Vianden, R. 9—99520
Schmidt, G.D. The effect of phosphor decay on time-modulated measurements made with image-tube systems 9—88602
Schmidt, G.K. *see* Holste, C. 9—96095
Schmidt, H., Mann, E. Theory of anisotropic electron-phonon interaction in copper. I. Electron-phonon matrix elements 9—78022
Schmidt, H., Mann, E. Anisotropy of the electron-phonon interaction in copper. II. Scattering and transport properties 9—91037
Schmidt, H. *see* Blaser, G. 9—56894
Schmidt, H.J. *see* Barwinkel, K. 9—99457
Schmidt, H.-L., Winkler, F.J., Latzko, E., Wirth, E. ^{13}C-kinetic isotope effects in photosynthetic carboxylation reactions and δ^{13}C-values of plant material 9—57566
Schmidt, H.U. *see* Agena, M. 9—54675
Schmidt, H.U. *see* Meyer, F. 9—75170
Schmidt, I. *see* Fernandez-Pacheco, A. 9—54340
Schmidt, I. *see* Pollakowski, G. 9—83482
Schmidt, J. *see* van 't Hof, C.A. 9—87334
Schmidt, J. *see* Verbeek, P.J.F. 9—59374
Schmidt, J. *see* Witzel, A. 9—88754
Schmidt, J.T. Quality control of inspection materials—what does it take today? 9—66229
Schmidt, K. *see* Kohler, P. 9—78305
Schmidt, K.E., Pandharipande, V.R. New variational wave function for liquid ^{3}He 9—77855
Schmidt, K.H. *see* Hartwig, S. 9—49621
Schmidt, K.J. *see* Page, R.J. 9—49763
Schmidt, L.D. *see* Flytzani-Stephanopoulos, M. 9—70371
Schmidt, L.-P., Hofmann, H. A method for the determination of the complex dielectric constant of thin foils in the millimeter-wave region 9—58755
Schmidt, M. About 13 years of records of the condensation nuclei concentration in Southwest Germany 9—84422
Schmidt, M., Specht, H., Fabian, P. Aerosol measurements at the Algarve coast of Portugal 9—58062
Schmidt, M. *see* Boggess, A. 9—71149
Schmidt, M.C. *see* Lockwood, D.J. 9—69826
Schmidt, M.G. *see* Bernreuther, W. 9—85296
Schmidt, M.P., Blatt, S.R., Campbell, M.K., Grannan, D.M., Lauterbach, M.J., Kasha, H., Adair, R.K., Morse, W.M., Leipuner, L.B., Larsen, R.C. Limits on CP-invariance violation in $K_{\mu 3}$ decays 9—89146
Schmidt, P.C., Weiss, A., Das, T.P. Effect of crystal fields and self-consistency on dipole and quadrupole polarizabilities of closed-shell ions 9—87072
Schmidt, P.F., Riley, J.E., Jr., McMillan, D.J. Parametric neutron activation analysis of samples generating complex γ-ray spectra 9—92016
Schmidt, P.H. *see* Bachmann, K.J. 9—73411
Schmidt, P.H. *see* Dunifer, G.L. 9—77986
Schmidt, P.H. *see* Rowell, J.M. 9—60954
Schmidt, P.W. *see* Morris, W.A. 9—66618
Schmidt, R., Reif, R. Angular momentum dissipation in DIC within a classical friction model 9—93644
Schmidt, R. *see* Dehne, H.C. 9—63839
Schmidt, R. *see* Toneev, V.D. 9—80954
Schmidt, R.D. *see* Kurth, D.I. 9—88013
Schmidt, R.M. A viscoelastic wave propagation model for tungsten at near-melt conditions (3000K) 9—77002
Schmidt, S., Ortoleva, P. Multiple chemical waves induced by applied electric field 9—92047
Schmidt, U. The solubility of carbon monoxide and hydrogen in water and sea-water at partial pressures of about 10^{-5} atmospheres 9—100870
Schmidt, U. *see* Fabian, P. 9—84384
Schmidt, V.A. *see* Cain, B. 9—70743
Schmidt, W., Deubner, F.-L., Mehltretter, J.P. On the center to limb variation of the granular brightness fluctuations 9—66971
Schmidt, W., Heimann, W. The beneficial effect of performing on the creep characteristics at room temperature of an austenitic steel under compressive and tensile stress—a hitherto unknown result of the Bauschinger effect 9—96103
Schmidt, W. *see* Durrant, C.J. 9—66980
Schmidt, W. *see* Schollhorn, R. 9—99158
Schmidt, W.F., Jungblut, H. Ion mobility and recombination in compressed sulphur hexafluoride 9—60098
Schmidt, W.F. *see* Doldissen, W. 9—91115
Schmidt, W.F. *see* Rabe, J.G. 9—91368
Schmidt, W.K.H. γ and X-rays form the zodiacal dust 9—53771
Schmidt, W.K.H. *see* Arens, J.F. 9—58249
Schmidt-Bocking, H. *see* Hagmann, S. 9—72390
Schmidt-Bocking, H. *see* Volpp, J. 9—63947
Schmidt-Ott, W.-D. *see* Kantus, R. 9—76002
Schmidt-Parzefall, W. *see* Hofmann, W. 9—76273
Schmidtke, H.-H. *see* Kupka, H. 9—78735
Schmidtmann, E., Wirths, D. Influence of the test frequency on the crack growth behaviour of the high-tensile steel 33 NiCrMo 145 under pulsating tensile stress in different test media 9—66194
Schmiedekamp, A., Gray, T.J., Doyle, B.L., Shiebel, U. Target and projectile cross sections for F ions on Ti, V, Cr, Fe, and Co: 1.7 MeV/amu 9—81269
Schmiedekamp, C. *see* Gardner, R.K. 9—78794
Schmiedekamp, C. *see* Tawara, H. 9—76379
Schmieder, B. Waves in the low solar chromosphere 9—62804
Schmieder, H., Goldacker, H. Newly developed electrochemical processes for aqueous reprocessing of power reactor fuel 9—85718
Schmit, J., Sidhu, S.S., Good, R.H., Jr. Polarization effects in the penetration of a barrier with a magnetic field applied; relativistic corrections 9—78852
Schmit, L.A., Jr. *see* Rosen, A. 9—90159
Schmitt, A. Contactless measurement of thickness and surface layer density with radioisotopes 9—71414
Schmitt, A. Transport coefficients and scaling laws for flexible polymers in the dilute regime 9—82372
Schmitt, A. *see* Malin, K. 9—77302
Schmitt, Ch. *see* Simon, G.G. 9—93418
Schmitt, D. Contribution of the conduction electrons to the crystalline electric field. I. Direct coulombic part 9—91005
Schmitt, D. Contribution of the conduction electrons to the crystalline electric field. II. Exchange coulombic part 9—95376
Schmitt, D. *see* Givord, D. 9—99684
Schmitt, D. *see* Levy, P.M. 9—61583
Schmitt, D. *see* Morin, P. 9—99674
Schmitt, F.M. *see* Read, A.L. 9—49510
Schmitt, G. *see* Malzer, H. 9—79789
Schmitt, H. Mathematical-physical considerations regarding the production of metal powders for powder metallurgy. I 9—95970
Schmitt, H. *see* Fischer, Th. 9—75782
Schmitt, H. *see* Hurster, W. 9—67571, 9—75784
Schmitt, H. *see* Kleinschmidt, M. 9—75785
Schmitt, H. *see* Tran, M.T. 9—93665
Schmitt, I. *see* Fabricius, K. 9—63350
Schmitt, K.F., Friehe, C.A., Gibson, C.H. Sea surface stress measurements 9—66701
Schmitt, N.M. *see* Gattis, J.L. 9—88175
Schmitt, P. Pulse compression with surface acoustic wave components 9—81639
Schmitt, R.C. *see* Domanus, H.M. 9—59143
Schmitt, R.P. *see* Mathews, G.J. 9—54455
Schmitt, R.W., Lambert, R.B. The effects of rotation on salt fingers 9—50767
Schmitt, R.W., Jr. The growth rate of supercritical salt fingers 9—88358
Schmitt-Thomas, K.-G. *see* Zechmeister, H. 9—66073
Schmittroth, F. A method for data evaluation with lognormal distributions 9—93902
Schmittroth, F., Rawlins, J.A. Dosimeter-based adjustments of fast-neutron spectra 9—54611
Schmitz, B., Jakubith, M., Lehmann, G. A simple and convenient EPR standard for determination of g-factors and spin concentrations 9—80658
Schmitz, B., Lehmann, G. Luminescence of Fe^{3+} in $AlPO_4$ 9—69873
Schmitz, D. *see* Brandelik, R. 9—63491, 9—93441
Schmitz, F. *see* Ulmschneider, P. 9—62825
Schmitz, J.A. *see* McKenzie, J.M. 9—85679
Schmitz, J.E. *see* Hagan, D.E. 9—79855
Schmitz, K.S. Quasielastic light scattering by biopolymers. Center-of-mass motion of DNA in the presence of a sinusoidal electric field 9—62186
Schmitz, N. *see* Blietschau, J. 9—93396
Schmitz, R. *see* Frese, H. 9—72083
Schmitz, T. *see* Hojvat, C. 9—67971
Schmitz, W. *see* Neels, H. 9—65995
Schmitz-Feuerhake, I. *see* Helmers, H. 9—92351
Schmocker, U. *see* Gmuer, K. 9—67836
Schmocker, U. *see* McCombie, C. 9—81037
Schmor, P.W. *see* Beveridge, J.L. 9—63848, 9—72059
Schmor, P.W. *see* Blackmore, E.W. 9—54699, 9—54710, 9—72060

Schmorak, M.R. Nuclear data sheets for A=200 9−71778
Schmudgen, K. Positive cones in enveloping algebras 9−54280
Schmugge, K. *see* Geil, W. 9−100030
Schmugge, T. Remote sensing of surface soil moisture 9−70896
Schmuser, P. *see* Brandelik, R. 9−63491, 9−93441
Schmutz, L.E. Coordinate converter aligns piezoelectric positioner 9−63199
Schmutz, L.E., Dresselhaus, G., Dresselhaus, M.S. Raman scattering in magnetic europium telluride 9−61375
Schmutz, M. Explicit representation of a single para-Bose operator 9−85064
Schmutzer, E. Electromagnetic quantities in the comoving frame of a conducting sphere, rotating in a uniform external magnetic field (cosmic approximation) 9−53714
Schmutzer, E. Electromagnetic field of a rotating permanently magnetized sphere in the inertial and the comoving frames of reference 9−71316
Schmutzer, E. Investigation on the influence of the global magnetic field of the Earth on the motion of the solid core (declination, westward drift, northward drift etc.) 9−84104
Schmutzler, R.W. *see* Edeling, M. 9−91050
Schnabel, W. *see* Lindenau, D. 9−66314
Schnable, G.L. *see* Kern, W. 9−87581
Schnack, D., Killeen, J. Non-linear saturation of the tearing mode in a reversed field pinch 9−73028
Schnapper, A., Papuchon, M., Puech, C. Optical bistability using an integrated two arm interferometer 9−76883
Schnapper, C. *see* Hofmann, A. 9−58718
Schnatterly, S.E. *see* Slusky, S.E.G. 9−95359
Schneeberger, B. *see* Laeri, F. 9−59646
Schneeberger, M., Szeless, A. Computer programs for the in-core fuel management of power reactors 9−71914
Schneeberger, T.J., Linsky, J.L., McClintock, W., Worden, S.P. Chromospheric emission lines in the red spectrum of AD Leonis. II. Physical conditions in flares 9−92773
Schneegans, M. *see* Read, A.L. 9−49510
Schneeweiss, O. *see* Mager, S. 9−56520
Schneeweiss, O. *see* Suwalski, J. 9−91328
Schneid, E.J. Airborne phoswich detector systems 9−53576
Schneider, A. *see* Greenspan, E. 9−85791
Schneider, B.I., Walker, R.B. The coupled channel R-matrix propagation method 9−54273
Schneider, B.I. *see* LeDourneuf, M. 9−72228
Schneider, D. *see* Bruch, R. 9−59414
Schneider, D.P. *see* Young, P. 9−71066
Schneider, E.M. *see* Isett, L.C. 9−56207
Schneider, E.W., Glascock, M.D., Walters, W.B., Meyer, R.A. Radioactive decay of 1.7-h ^{149}Nd to levels of transitional ^{149}Pm 9−63628
Schneider, F. *see* Gerhardt, H. 9−93504
Schneider, F. *see* Jonker, M. 9−93399
Schneider, G. How unexpectedly do earthquakes occur? 9−66644
Schneider, G. The earthquake in the Swabian Jura of 16 November 1911 and present concepts of seismotectonics 9−84176
Schneider, G.C. *see* Krusche, A. 9−72074
Schneider, G.E. *see* Finlay, B.L. 9−74656
Schneider, G.M. *see* Konrad, R. 9−55872
Schneider, G.M. *see* Spratte, W. 9−55873
Schneider, H. Thermal expansion of andalusite 9−90801
Schneider, H., Schulz, B. On the determination of free carbon in phases of the boron-carbon system 9−87907
Schneider, H. *see* Apel', V.D. 9−89194
Schneider, H. *see* Apel, W.D. 9−54361, 9−58978, 9−75800, 9−89195, 9−93464
Schneider, H. *see* Engel, H. 9−63631
Schneider, H. *see* Joye, B. 9−86584
Schneider, H.A. *see* Becherer, H. 9−52094
Schneider, H.R. *see* Ormrod, J.H. 9−54657
Schneider, J. Some aspects of cosmology in the 80s 9−97112
Schneider, J., Robertson, S. Feedback-stabilized fractional fringe laser interferometer for plasma density measurements 9−75582
Schneider, J., Springmann, B., Zaveta, K., Wenzel, G., Kohler, E. Magnetic after-effect in amorphous Fe-Co based alloys 9−61189
Schneider, J. *see* Frey, F. 9−51252
Schneider, J. *see* Kaufmann, U. 9−73806
Schneider, J. *see* Steiner, P. 9−65980
Schneider, J. *see* Vanderriest, C. 9−88759
Schneider, J.D. *see* Armstrong, D.D. 9−67969, 9−76220
Schneider, K. OTS solar array 9−96470
Schneider, K. Development and testing of the ULP solar array 9−96473
Schneider, K. *see* von Bassewitz, H. 9−52940
Schneider, K.J., Jenkins, C.E. Analysis of the decommissioning of a nuclear fuel reprocessing plant 9−49821
Schneider, M.F. *see* Kovacs, L. 9−66453
Schneider, R., Richter, A., Schwierczinski, A., Spamer, E., Titze, O. High resolution inelastic electron scattering on ^{28}Si at low momentum transfer and isovector M1 strength in ^{28}Si 9−75847
Schneider, R. *see* Beigang, R. 9−89673
Schneider, R. *see* Burkhalter, P. 9−55457
Schneider, R.E., Whipple, R.C. Effect of subcooled critical flow discharge model on hydrodynamic loads during a LOCA 9−49733
Schneider, R.G., DeBoo, R.V. Predicting extrusion properties of plastics [for cables] 9−90204
Schneider, S., Eyrich, W., Hofmann, A., Scheib, U., Vogler, F. Reaction ^{114}Cd(p,p′) by use of polarized protons and proton-γ angular correlations 9−89284
Schneider, S.H., Washington, W.M., Chervin, R.M. Cloudiness as a climatic feedback mechanism: Effects on cloud amounts of prescribed global and regional surface temperature changes in the NCAR GCM 9−88467
Schneider, S.H. *see* Thompson, S.L. 9−80005
Schneider, T., Stoll, E. Optic-mode second sound 9−73366
Schneider, T., Stoll, E. Nonlinear lattice dynamics: molecular dynamics studies 9−77713
Schneider, T., Stoll, E. The sine-Gordon chain: mass diffusion 9−85102
Schneider, T. *see* Stoll, E. 9−58509, 9−63054, 9−78429
Schneider, T. *(editor)* Solitons and Condensed Matter Physics 9−75364
Schneider, T., de Koning, H.W., Brasser, L.J. *(editor)* Air Pollution Reference Measurement Methods and Systems 9−79444
Schneider, U. *see* Ernst, H. 9−93506
Schneider, W., Thomas, H. Constant modulus alloys for mechanical oscillators 9−61641
Schneider, W. *see* Braune, W. 9−78127
Schneider, W. *see* Herziger, G. 9−60201
Schneider, W. *see* Reif, W. 9−91656
Schneider, W.J., Edwards, D., Jr. Trace impurity analyzer 9−70388
Schneider, Z. *see* Sudol, M. 9−52328
Schneider-Muntau, H.-J. *see* Picoche, J.C. 9−71495
Schneiderman, A.M., Karo, D.P. Imaging in the presence of random wave aberrations 9−76607
Schneiderman, A.M. *see* Karo, D.P. 9−53730
Schneiders, N.J. *see* Glaze, S.A. 9−70650
Schnell, C., Grewe, H.G. Electron microscopical studies of orientation relationships on large angle grain boundaries formed during cold work of copper single crystals 9−90678
Schnell, R.C. *see* Pueschel, R.F. 9−74570
Schnell, W. Design study of a large electron-positron colliding beam machine-LEP 9−67999
Schnepel, G.H., Neubacher, H. The formation and reaction of methyl radicals produced by direct photolysis of aqueous solutions of N-acetyl substituted aliphatic amino acids at 77K 9−96622
Schnepp, O. *see* Fuke, K. 9−50056
Schneps, J. *see* De Clercq, C. 9−89188
Schneps, S.E. *see* Finlay, B.L. 9−74656
Schnering, H.G.von *see* von Schnering, H.G.
Schnerr, G. Experimental study of the bow wave distance for an infinitely thin plate in an ultrasonic flow 9−81920
Schnetzer, S. *see* Lemaire, M.-C. 9−80952
Schnidler, R.N. *see* Schumacher, R. 9−50143
Schnieder, J. *see* Jantz, W. 9−99696
Schniewind, J.F. *see* Cornelisse, J.W. 9−92647
Schnittler, C. The influence of a spatial trap distribution on the SCLC characteristic of insulating films and related problems of trap analysis 9−56343
Schnittler, C. *see* Braunsburger, S. 9−61863
Schnitzer, H.J. Quantum chromodynamics and the spin-dependent quark-antiquark forces 9−49476
Schnitzer, H.J. *see* Grisaru, M.T. 9−97562
Schnitzer, H.J. *see* Poggio, E.C. 9−49475
Schnitzspan, H. On the plane deformation of an incompressible material reinforced with non-extensible fibres 9−87702
Schnizer, B. *see* Ledinegg, E. 9−68927, 9−84565
Schnopper, H.W. *see* Markert, T.H. 9−80243
Schnupp, L. *see* Billing, H. 9−101076
Schnur, G.F.O. *see* de Vaucouleurs, G. 9−53835
Schnur, J.M. *see* Schoen, P.E. 9−71532, 9−87429
Schnuriger, J.-C. *see* Brunet, P. 9−72052
Schobbert, H. *see* Fodor, I. 9−85430
Schober, A. Lorentz-covariant formulation of a quantum theory on projective planes 9−58577
Schober, H.R. *see* Lottner, V. 9−55852
Schober, P. *see* Eder, G. 9−76042
Schober, P. *see* Preisinger, K. 9−75980
Schober, P. *see* Ratel, G. 9−75981
Schober, T. The iron-titanium-hydrogen system: a transmission electron microscope (TEM) study 9−58850
Schoch, B. *see* Jennewein, P. 9−93607
Schoch, B. *see* Paras, N. 9−63659
Schock, H.W. *see* Pfisterer, F. 9−61987
Schock, H.-W., Arndt, W., Bilger, G., Hewig, G.H., Pfisterer, F., Bloss, W.H. A pilot line for the production of large area Cu_xS-CdS solar cells 9−61994
Schodel, J.P. Hydrogen. A safety risk? 9−74552
Schoeberl, M.R. Stratospheric warmings: observations and theory 9−74944
Schoeberl, M.R., Strobel, D.F. The response of the zonally averaged circulation to stratospheric ozone reductions 9−53461
Schoeck, G. The volume change in internal stress fields 9−90138
Schoeller, W.W. Energy partitioning theory for open shell systems at an INDO level 9−68192
Schoeller, W.W. On the origin of the rotational barrier in trimethylene 9−81170
Schoemaker, D. *see* Van Steen, F. 9−61215
Schoembs, R. *see* Haefner, R. 9−88669
Schoen, N.C., Orlov, G., McDonald, R.J. Excitation functions for radioactive isotopes produced by proton bombardment of Fe, Co, and W in the energy range from 10 to 60 MeV 9−89305
Schoen, P.E., Priest, R.G., Sheridan, J.P., Schnur, J.M. Pressure induced changes in liquid alkane chain conformation 9−87429
Schoen, P.E., Schnur, J.M. Fabry-Perot prefilter for Raman spectroscopy 9−71532
Schoen, R., Furman, D. Determining installed costs of the SAGE system 9−57447
Schoen, R. *see* Aknin, J.P. 9−68001
Schoenberg, K.F., Kunkel, W.B. General plasma characteristics of a Berkeley multifilament ion source 9−94807
Schoenes, J. Exchange and superlattice band splittings in europium chalcogenides; a magneto-optical study in high magnetic fields 9−61342
Schoenes, J., Kaldis, E., Thoni, W., Wachter, P. Optical, magnetic and magneto-optical properties of an insulating, amorphous magnet: $Eu_{0.14}Si_{0.31}O_{0.55}$ 9−61344
Schoenfelder, W. *see* Strzelecka, H. 9−73498
Schoenmackers, J. *see* Richter, H.A. 9−83818
Schoepe, W. *see* Engelhardt, M. 9−77849
Schoepe, W. *see* Kokko, J. 9−55995
Schoepe, W. *see* Leiderer, P. 9−65285
Schoepf, K.F., Harms, A.A. Characteristics of a beam-driven deuterium-fueled fusion-fission reactor system 9−81081
Schoeps, D. *see* Arnold, K. 9−62474
Schoeters, E. Contributions to the study of static nuclear moments by means of nuclear orientation 9−80872
Schoeters, E., Geenen, J., Nuytten, C., Vanneste, L., Cogneau, M. Nuclear polarization and nuclear magnetic resonance of ^{123}I and ^{125}I 9−75836
Schoffa, G., Kienle, F.A.N. Image processing in surface isopotential and gradient maps 9−70670
Schoffel, E. Absolute characteristics of the W UMa systems V525 Arae 9−58373
Schofield, P. Coherent inelastic scattering in inhomogeneous media 9−50957
Schofield, P. The statistical theory of surface tension 9−51392
Schoiberg, D. *see* Luck, W.A.P. 9−65847
Schoijet, M. Possibilities of new materials for solar photovoltaic cells 9−57434
Scholer, M., Hovestadt, D., Hartmann, G., Blake, J.B., Fennell, J.F., Gloeckler, G. Low-altitude measurements of precipitating protons, alpha particles and heavy ions during the geomagnetic storm on March 26-27, 1976 9−53667
Scholer, M. *see* Ipavich, F.M. 9−58198
Scholer, M. *see* Morfill, G. 9−75067
Scholer, M. *see* Morfill, G.E. 9−101033
Scholl, E., Landsberg, P.T. Semiconductor models for first and second order non-equilibrium phase transitions 9−51520
Schollhorn, R., Arndt, R., Kubny, A. Formation and reactions of hydrated layered chromium sulfides $A_x(H_2O)_y[CrS_2]$ 9−91961
Schollhorn, R., Kumpers, M., Lerf, A., Umlauf, E., Schmidt, W. Structure and superconductivity of ternary chalcogenides $Cu_xMo_6S_8$ prepared by topotactic electrode reactions 9−99158
Schollhorn, R., Zagefka, H.D., Butz, T., Lerf, A. Ionic bonding model of the pyridine intercalation compounds of layered transition metal dichalcogenides 9−65052
Schollhorn, R. *see* Lerf, A. 9−87180
Schollhorn, R. *see* Riekel, C. 9−73150
Schollhorn, R. *see* Roder, U. 9−65744
Schollmeier, W. *see* Nolte, E. 9−72004
Scholte, Th.G. *see* Ball, W. 9−52843
Scholten, O. *see* Saha, A. 9−85474
Scholtz, M.T., Brouckaert, C.J. Modeling of stable air flow over a complex region 9−53466
Scholz, G. The binary nature of the Ap star 53 Cam 9−80320
Scholz, G.A., Datars, W.R., Chartier, D., Gillespie, R. Thermoelectric power of $Hg_{2.86}AsF_6$ 9−65465
Scholz, H. *see* Kurtze, G. 9−61424
Scholz, H.-G. *see* Grellmann, K.H. 9−51998
Scholz, J. *see* Afanas'ev, V.A. 9−89400
Scholz, R. *see* Schule, W. 9−82377
Schomaker, D. *see* Kondo, Y. 9−73932
Schomaker, V., Marsh, R.E. Some comments on refinement in a space group of unnecessarily low symmetry 9−90582

Schomann, H. On statistical dependence between instantaneous values of speech signals represented as analytic signal 9—94409
Schomberg, H. Reconstruction of spatial resistivity distribution of conducting objects from external resistance measurements 9—80648
Schomer, P.D. *see* DeVor, R.E. 9—98542
Schommer, R.A. *see* Mochnacki, S.W. 9—92780
Schon, G., Ambegaokar, V. Collective modes and nonequilibrium effects in current-carrying superconductors 9—69626
Schon, G., Tremblay, A.-M. Nonequilibrium superconducting states with two coexisting energy gaps 9—51724
Schon, G. *see* Schmid, A. 9—99657
Schon, J.P. *see* Morel, R. 9—64664
Schon, J.P. *see* Rey, C. 9—68687
Schonauer, H. BEAMSCOPE—a novel device for measuring emittances and betatron amplitude distributions 9—72145
Schonbach, K. *see* Herziger, G. 9—60201
Schonbucher, A. *see* Brotz, W. 9—52662
Schonfeld, B., Ehrhart, P. Investigation of electron-irradiated zinc by diffuse X-ray scattering. II. Interstitial clustering during thermal annealing 9—73214
Schonfeld, B. *see* Ehrhart, P. 9—73213
Schonfelder, V. *see* Gumplinger, P. 9—80223
Schonhammer, K. On the Kisliuk model for adsorption and desorption kinetics 9—73409
Schonhammer, K. *see* Brenig, W. 9—90861
Schonhense, G. *see* Heinzmann, U. 9—72289
Schonhofer, F., Grass, F. Electrophoretic ion focusing. Inorganic ions in kieselgel thin layers 9—57334
Schonken, P., Marchal, G., Coenen, Y., Baert, A.L. Body and gonad doses in computer tomography of the trunk 9—66559
Schonwald, B. Determination of vertical temperature profiles for the atmospheric boundary layer by ground-based microwave radiometry 9—79915
Schoof, H. *see* Stumpe, E. 9—95041
Schooley, J.F. Superconductive fixed points for temperatures above 0.5K 9—63221
Schooley, L.C. *see* Nahrstedt, D.A. 9—81375
Schoonman, J. *see* Halff, A.F. 9—51305, 9—55927
Schoonman, J. *see* Wapenaar, K.E.D. 9—99356
Schootbrugge, G.A.van de *see* van de Schootbrugge, G.A.
Schopen, T.J. *see* Schwartz, G.C. 9—91816
Schopke, R., John, W., Mrosan, E. XPS core line asymmetries in the muffin-tin approximation 9—69953
Schopohl, N. *see* Scharnberg, K. 9—56407
Schopohl, N. *see* Tewordt, L. 9—51344
Schopohl, R. *see* Grunewald, G. 9—69443
Schoppe, G., Schutt, W., Unger, R. PARMOQUANT. A new automated measuring microscope of VEB Carl Zeiss JENA for research and routine work 9—79700
Schoppe, G., Schutt, W., Unger, R. Test results obtained with the PARMOQUANT electrophoretic measuring microscope 9—79701
Schoppen, G. *see* Metz, W. 9—52634
Schopper, E. Monocrystal silver halide nuclear track detectors: a reference listing 9—72196
Schopper, G. *see* Zeger, J. 9—89391
Schor, R., Serrallach, E.N. Theoretical studies of the translational diffusion coefficient of charged macromolecules applied to bovine serum albumin 9—70510
Schorder, G. *see* Kissler, K.H. 9—72137
Schori, T.R., Johnson, D.L. Inter-Industry Noise Study. Another look 9—83801
Schorn, R.A. *see* Young, A.T. 9—75130
Schorn, R.A.J., Young, A.T., Young, L.D.G. High-dispersion spectroscopic observations of Venus near superior conjunction. III. The carbon dioxide band at 8689 Å 9—75129
Schorr, W., Duschner, H., Starke, K. The generation of radiolysis gases from low- and medium-level radioactive waste solidification products 9—85626
Schotanus, D.J. *see* Gurtu, A. 9—49517
Schott, F., Stommel, H. Beta spirals and absolute velocities in different oceans 9—66702
Schott, H.J. *see* Marx, D. 9—76241
Schott, J.R. *see* Piech, K.R. 9—53376
Schott, R. *see* Gallardo, L. 9—75320
Schott, W. *see* Daniel, H. 9—68014
Schotte, K.D. *see* Behncke, J. 9—55629
Schouten, F.C., Gijzeman, O.L.J., Bootsma, G.A. Interaction of methane with Ni(111) and Ni(100); diffusion of carbon into nickel through the (100) surface; an AES-LEED study 9—99418
Schouten, J.C., Takeda, K., Kopinga, K. Bond impurity effect in the low-dimensional magnetic system $(CH_3)_3NHCoCl_3.2H_2O$ 9—61146
Schouten, M. *see* Brick, D. 9—58980
Schowalter, L.H. *see* Klein, M.W. 9—65682
Schowalter, L.J. *see* Shukla, P. 9—78387
Schowalter, W.R. Some consequences of suspension models for nonviscometric flows 9—60022
Schowalter, W.R. *see* Ching-Feng Chang 9—60037
Schra, L. *see* Wanhill, R.J.H. 9—70219
Schrader, E.L., Rosendahl, B.R., Furbish, W.J. Picrites from the East Pacific Rise 9—79810
Schramm, B., Gehrmann, R. Second virial coefficients of nitrogen at very low temperatures 9—90754
Schramm, D.N. *see* Steigman, G. 9—84667
Schramm, D.N. *see* Turner, M.S. 9—62938, 9—101061
Schrank, G. *see* Orwig, L. 9—71178
Schratter, J. *see* Allen, A.R. 9—56026
Schrauzer, G.N., Guth, T.D. Desert sand photoreduces molecular nitrogen 9—83483
Schrawer, R. Energy and economical considerations concerning the vapor cooled shield theory about the system liquefier-cryogenic vessel 9—58739
Schrawyer, L.R. *see* Fischer, J.W. 9—58846
Schreckenbach, K. *see* Pinston, J.A. 9—63590
Schreckenbach, K. *see* Smith, G.J. 9—93515
Schreckhise, R.G. *see* Hinds, W.T. 9—57821
Schreiber, H., Jr. *see* Bachmann, K.J. 9—73411
Schreiber, H.J. *see* Lohmann, W. 9—75790
Schreiber, H.J. *see* Otter, G. 9—85338
Schreiber, J. Commutator and anticommutator Green functions in the theory of disordered spin system 9—51792
Schreiber, P.W. *see* Switzer, G.L. 9—85964
Schreiber, R. *see* Aksenow, W.I. 9—62646
Schreiber, R. *see* Ewart, F.T. 9—49689
Schreiber, T.P. Coordinated surface analysis with scanning electron microscopy, electron probe microanalysis, and electron spectroscopy 9—96381
Schreier, E. *see* Giacconi, R. 9—70941
Schreiner, A.F. *see* Duncan, W.M. 9—91465
Schreiner, C. Non-simultaneous loudness-reduction and the influence on the pulsation threshold 9—79560
Schreiner, P. *see* Barish, S.J. 9—71742
Schreiner, W.H. *see* Kunzler, J.V. 9—91020
Schreir, S. *see* Polnaszek, C.F. 9—79455
Schreiter, U., Kleinstuck, K., Tobisch, J., Hotzsch, K., Klimanek, P., Mucklich, A., Hennig, K. Neutron-diffraction analysis of texture and its development in steels with a micro-duplex structure 9—91692
Schrepp, W., Dreizler, H. A contribution to the Stark-spectroscopy at low microwave frequencies 9—81305
Schrepp, W. *see* Dreizler, H. 9—58764
Schreuder, H.W. *see* Dermois, O.C. 9—54650
Schreuder, H.W. *see* Vader, R.J. 9—54688
Schreurs, J.W.H., Davis, D.H. EPR spectrum of Sb^{4+} in a silicate glass 9—87317
Schrey, H., Klingshirn, C. Ground and excited states of the biexciton and the M-band luminescence in highly excited ZnO 9—78744
Schrey, H., Lyssenko, V.G., Klingshirn, C. Angle- and polarization dependences of the two-photon Raman scattering via biexcitons in CdS 9—87446
Schreyer, H.L., Fedock, J.J. Orthogonal base functions and consistent diagonal mass matrices for two-dimensional elements 9—90125
Schriber, S.O., Swenson, D.A. A single-cavity double-frequency buncher 9—68076
Schriber, S.O. *see* Hutcheon, R.M. 9—70618
Schriber, S.O. *see* Potter, J.M. 9—72170
Schrieder, G. *see* Wastyn, P. 9—59084
Schrieffer, J.R. *see* Su, W.P. 9—76540
Schriempf, J.T. *see* McKay, J.A. 9—69915, 9—86595, 9—98942
Schriempf, J.T. *see* Towle, L.C. 9—89955
Schriver, A. *see* Maillard, D. 9—89667, 9—93996
Schroader, K. *see* Wrede, D. 9—53250
Schrobilgen, G.J. *see* de Waard, H. 9—65772
Schrock, V. *see* Chi-Kou Fan 9—89429
Schrock, V.E. Development of a revised ANS standard on decay heat from fission products 9—49742
Schroder, A. Flow measurement engineering—a survey. I. Flow measuring. Classic methods 9—77317
Schroder, A. Flow measurement engineering—a survey 9—82019
Schroder, A. Flow measurement engineering—a survey. II. Flowmeters 9—98843
Schroder, B., Wagner, V., Lehner, N., Geick, R. Spin wave analysis of the two-dimensional Heisenberg atiferromagnets Rb_2MnCl_4 and $(CH_3NH_3)_2MnCl_4$ 9—61237
Schroder, B. *see* Andersson, G. 9—76311
Schroder, B. *see* Otter, G. 9—85338
Schroder, D.K., White, M.H. Characterization of current transport in MNOS structures with complementary tunneling emitter bipolar transistors 9—91146
Schroder, E. *see* Gutowski, H. 9—85719
Schroder, E. *see* Hausler, K.G. 9—96393
Schroder, E. *see* Hausler, K.-G. 9—57223
Schroder, G. *see* Haake, F. 9—76651
Schroder, H. *see* Faessler, M.A. 9—93664
Schroder, H. *see* Morl, K. 9—91517
Schroder, R. *see* Ritter, H. 9—80336
Schroder, U. *see* Atzmuller, H. 9—73441
Schroder, U. *see* Strauch, D. 9—77705
Schroder, W. Auroral frequency in the 17th and 18th centuries and the 'Maunder minimum' 9—66856
Schroder, W.U. *see* Breuer, H. 9—76020
Schroder, W.U. *see* Hilscher, D. 9—93591, 9—93653
Schroeder, H. *see* Braski, D.N. 9—55796, 9—87684
Schroeder, K. *see* Bender, O. 9—73868
Schroeder, K. *see* Kehr, K.W. 9—60558
Schroeder, L.S. Streamer chambers—their use for nuclear science experiments 9—72194
Schroeder, L.S. *see* Van Bibber, K. 9—97723
Schroeder, L.W. *see* Mathew, M. 9—60332
Schroeder, M.R. Binaural dissimilarity and optimum ceilings for concert halls: more lateral sound diffusion 9—68489
Schroeder, M.R. Integrated-impulse method measuring sound decay without using impulses 9—94406
Schroeder, P.A. *see* Axan, B.M. 9—78081
Schroeder, P.A. *see* Baibich, M.N. 9—99535
Schroeder, P.A. *see* Khoshenevisan, M. 9—73497
Schroeder, P.A. *see* Pratt, W.P., Jr. 9—69500
Schroeder, P.A. *see* Blatt, F.J. *(editor)* 9—65433
Schroeer, D., Kuo, Ch.S., Lambe, R.L. Isomer shift of Eu^{2+} in fluorites 9—56649
Schroefel, J. *see* Ctyroky, J. 9—90003
Schroepfer, G.J., Jr. *see* Hodge, L.A. 9—79474
Schroer, B., Truong, T.T. Z_2 duality algebra in D=2 quantum field theory 9—75685
Schroer, B., Truong, T.T., Weisz, P. Supersymmetric Ising field theory 9—71614
Schroer, B. *see* Belvedere, L.V. 9—71605
Schroer, B. *see* Hortacsu, M. 9—71613
Schroer, R. *see* Grigoleit, H.-G. 9—79583
Schroeter, J.P., Kim, D.M., Kobayashi, R. Experimental investigation of gravitationally induced effects in dynamic critical-point theories 9—82035
Schroll, P. *see* Kreutz, E.W. 9—87160
Schrope, F. *see* Hoffmann, H. 9—56578
Schroppel, F. *see* Memming, R. 9—52675
Schroter, O. *see* Carius, W. 9—80701, 9—85967
Schroter, W. Influence of dislocations on the Hall effect in silicon and germanium 9—82611
Schroter, W., Brion, H.G., Siethoff, H. Self-diffusion and dynamical recovery in silicon at high temperatures 9—69284
Schroter, W. *see* Freyhardt, H.C. 9—56373
Schroter, W. *see* Weyer, G. 9—51891
Schrott, A., Stein, V. Mathematical methods for the solution of antenna and scattering problems of complicated structures 9—76559
Schroy, C.B. *see* Todd, P. 9—62307
Schryber, M. *see* Lanz, P. 9—54684
Schryber, U. *see* Olivo, M. 9—67975
Schryver, F.C.De *see* De Schryver, F.C.
Schtscherbakow, J.W., Balaschow, M.M., Salaskin, K.A., Sokolow-Borodkin, J.S. Investigation of biaxial deformation of vulcanised rubber 9—70129
Schubart, J. *see* Schmadel, L.D. 9—75156
Schubert, C. EL Pilar fault zone, northeastern Venezuela: brief review 9—79775
Schubert, F., Dittmar, G., Forbrig, B. Homogeneous manufacture of $Cd_xHg_{1-x}Te$-bars, the basic material for IR photoconductive cells 9—65997
Schubert, F. *see* Forbrig, B. 9—93213
Schubert, G., Cassen, P., Young, R.E. Subsolidus convective cooling histories of terrestrial planets 9—66939
Schubert, G., Straus, J.M. Steam-water counterflow in porous media 9—79879
Schubert, G., Straus, J.M. Three-dimensional and multicellular steady and unsteady convection in fluid-saturated porous media at high Rayleigh numbers 9—94615
Schubert, G. *see* Del Genio, A.D. 9—74933
Schubert, G. *see* Hood, L.L. 9—101039
Schubert, G. *see* Straus, J.M. 9—55373
Schubert, H. Principles of agglomeration 9—100442
Schubert, K. *see* Alasafi, K.M. 9—86742
Schubert, K. *see* Bhatt, Y.C. 9—77556
Schubert, K. *see* Ellner, M. 9—99119
Schubert, K. *see* Mayer, H.W. 9—94963
Schubert, K. *see* Sarah, N. 9—51053
Schubert, K.R. *see* Hofmann, W. 9—76273
Schubert, M., Susse, K.E., Vogel, W. Influence of chaotic pump radiation with finite bandwidth on the intensity correlation of resonance fluorescence radiation 9—98019
Schubert, M., Wiederhold, G. On the two-photon lasing process in a degenerate system 9—86156
Schubert, M., Wilhelmi, B. Change of the statistical properties of light by multiphoton absorbers with intermediate resonances 9—86208
Schubert, M. *see* Bergmann, J. 9—50358
Schubert, P.C. *see* Brooks, J.S. 9—51335, 9—77852
Schubert, S.A. *see* Seymour, M.D. 9—57990
Schubert, W.H. *see* Albrecht, B.A. 9—88432
Schuch, R. *see* Volpp, J. 9—63947
Schuchardt, J.M., Stratigos, J.A., Gagliano, J.A., Gallentine, D.O., King, J.L. Dual frequency multi-channel millimeter wave radiometers for high altitude observation of atmospheric water vapor 9—80061
Schuchman, J. *see* Blumberg, L. 9—68031
Schuchman, J. *see* Galayda, J. 9—67973

Schuchman, J.C., Godel, J.B., Jordan, W., Oversluizen, T. Vacuum system for National Synchrotron Light Source 9—81106
Schuchman, J.C. *see* Krinsky, S. 9—68023
Schucker, T. The first cohomology group with coefficients in the adjoint representation for Lie-algebras related to a pair of manifolds 9—53965
Schue, F. *see* Bernier, P. 9—82859
Schueren, A.van der *see* van der Schueren, A.
Schuermeyer, F.L. *see* Grant, J.T. 9—83345
Schuessler, H.A., Holder, C.H., Jr. Investigation of the production of singly charged ions in a RF quadrupole ion trap 9—98224
Schuessler, H.A. *see* Dabkiewicz, P. 9—49576
Schuett, A.W. *see* Jacobson, G. 9—84332
Schuette, W.H., Lees, D.E., Bull, J.M., Tipton, H., Young Duk Dim, Whang-Peng, J., Smith, R., Bynum, G. Feedback control of esophageal temperature during whole body hyperthermia 9—92423
Schuh, B. Kondo-Lattice: Kondo-effect? 9—78312
Schuh, D.J. Development of in-plant radiation monitoring standards 9—59276
Schuh-moreno, J.F. Variable random nerve nets 9—53083
Schuhl, C. *see* Argan, P. 9—85453, 9—85454, 9—89291
Schuiling, R.D., Kreulen, R. Are thermal domes heated by CO_2-rich fluids from the mantle? 9—66659
Schujko, A. *see* Kim, K.M. 9—91582
Schule, R., Stafast, H., Bethge, K. Charge-state distributions and the population of X-ray emitting states 9—68311
Schule, W., Scholz, R. Properties of vacancies and divacancies in FCC metals 9—82377
Schuler, G. *see* Beer, A. 9—49920
Schuler, K.P. Polarized electron-polarized proton scattering experiments at SLAC 9—63483
Schuler, K.P. *see* Alguard, M.J. 9—76242
Schuler, K.P. *see* Cooper, P.S. 9—58540
Schuler, K.P. *see* Prescott, C.Y. 9—75776
Schuler, K.W. Lateral-deformation gage for rock-mechanics testing 9—57163
Schulke, L. *see* Dahmen, H.D. 9—97554
Schulkin, M., Garrison, G.R., Wen, T. Acostic variability due to layered finestructure in the Arctic 9—90060
Schuller, B. *see* Eversheim, P.D. 9—54705
Schuller, B. *see* Gorgen, R. 9—59078
Schuller, H.-J. Damage investigations on metallic materials. II 9—70265
Schuller, H.-J. Damage investigation on metallic materials. I 9—74330
Schuller, I., Falco, C.M., Hilliard, J., Ketterson, J., Thaler, B., Lacoe, R., Dee, R. Transport properties of the compositionally modulated alloy Cu/Ni 9—95515
Schuller, I. *see* Dahlberg, E.D. 9—87202
Schuller, I. *see* Donovan-Vojtovic, B.F. 9—82721
Schuller, I.K. *see* Falco, C.M. 9—56419
Schuller, K.-H., Jager, H. The chemistry and properties of feldspar and their effects in porcelain 9—90758
Schuller, K.-H. *see* Muller, W. 9—100053
Schuller, K.-H. *see* Radler, K. 9—90908
Schulman, J.M., Lee, W.S. Further theoretical studies of the spin-spin coupling constant of HD. Coupled Hartree-Fock calculations of the paramagnetic orbital term and new calculations of the Fermi-contact term 9—89689
Schulman, J.N., McGill, T.C. The CdTe/HgTe superlattice: proposal for a new infrared material 9—72634
Schulman, J.N., McGill, T.C. Electronic properties of the AlAs-GaAs (001) interface and superlattice 9—95485
Schulman, L.S. Metastability in the two-dimensional Ising model 9—58648
Schulmeister, L.F. *see* Law, C.C. 9—74244
Schulson, E.M. The ordering and disordering of solid solutions under irradiation 9—87626
Schulson, E.M., Carpenter, G.J.C., Howe, L.M. Irradiation swelling of Zr_3Al 9—65123
Schult, O.W.B. *see* Peng, J.C. 9—63694
Schult, W., Hippler, H.P., Isselstein, F. Determination of mould filling and crust detachment from ingots by means of ultrasound 9—66252
Schulte, C.W., Campbell, J.L. Positron trapping in cobalt and trapping threshold temperature correlations 9—74016
Schulte, C.W. *see* Campbell, J.L. 9—74015
Schulte, K.-W. *see* Dietrich, H. 9—55730
Schulte, R. *see* Barnham, K.W.J. 9—85293
Schulte, R. *see* Blietschau, J. 9—93396
Schulte, W.M., Hagedoorn, H.L. Accelerated particles in an AVF cyclotron with a one or a two dee system 9—54700
Schulte, W.M., Hagedoorn, H.L. The definition and the use of the central position phase in cyclotrons 9—54714
Schulte, W.M., Hagedoorn, H.L., Corsten, C.J.A. A method to obtain single turn extraction for a large phase width in cyclotrons 9—54715
Schulte, W.M. *see* van Heusden, G.C.L. 9—54689
Schulten, K., Epstein, I.R. Recombination of radical pairs in high magnetic fields: A path integral—Monte Carlo treatment 9—87861
Schulten, K. *see* Knapp, E.-W. 9—98123
Schulten, K. *see* Tavan, P. 9—81159, 9—81199
Schulten, R. *see* Teuchert, E. 9—63799, 9—85643
Schulten, Z., Anderson, D.G.M., Gordon, R.G. An algorithm for the evaluation of the complex Airy functions 9—58562
Schultes, K. Investigations on the temperature coefficient and on the short time-dynamics of the pebble bed high temperature reactor PNP-3000 9—63781
Schultheis, H., Schultheis, R. Energy dissipation in $^{235}U(n_{th},f)$ 9—89338
Schultheis, H. *see* Lichtner, P.C. 9—93535, 9—93536
Schultheis, R. *see* Lichtner, P.C. 9—93535, 9—93536
Schultheis, R. *see* Schultheis, H. 9—89338
Schultheiss, P.M. Locating a passive source with array measurements A summary of results 9—64410
Schultz, A., Siegel, A. Analysis of the BaBr $C^2\Pi_{1/2,3/2}$-$X^2\Sigma^+$ transition up to high ($v \simeq 74$) vibrational quantum states by laser-induced fluorescence 9—98072
Schultz, A.B., Warwick, D.N., Berkson, M.H., Nachemson, A.L. Mechanical properties of human lumbar spin motion segments. I. Responses in flexion, extension, lateral bending, and torsion 9—96596
Schultz, A.B. *see* Berkson, M.H. 9—96597
Schultz, A.J. *see* Broach, R.W. 9—89801
Schultz, A.J. *see* Williams, J.M. 9—94968
Schultz, A.J. *see* Wood, D.J. 9—69504
Schultz, D., Greenspan, D. Improved solution of steady, viscous, incompressible flow between two rotating spheres 9—81892
Schultz, D. *see* Jalenak, W.A. 9—83491
Schultz, D.H., Shah, V.L. Numerical solution of laminar recirculating flow between shrouded rotating disks 9—64667
Schultz, F.A. Stoichiometry and formation constant determination by linear sweep voltammetry [teaching] 9—84916
Schultz, G., Tremmel, J., Hargittai, I., Berecz, I., Bohatka, S., Kagramanov, N.D., Maltsev, A.K., Nefedov, O.M. Combined electron diffraction/mass-spectrometric investigation of the molecular structure of germanium dichloride 9—89783
Schultz, G. *see* Domenicano, A. 9—59573
Schultz, G.V. *see* Nguyen-Q-Rieu 9—71043
Schultz, H. *see* Fuss, J. 9—55783
Schultz, J. *see* Synek, M. 9—50302, 9—65418
Schultz, J.A., McLean, W., Pedersen, L., Jarnagin, R.C. H_2O on Li_n clusters: A theoretical study 9—76541
Schultz, J.A. *see* McLean, W. 9—69359
Schultz, J.M. *see* Petermann, J. 9—52308
Schultz, K. *see* Brogli, R. 9—85792
Schultz, K.R. *see* Bender, D.J. 9—76124
Schultz, L., Bormann, R. Superconductivity in filamentary CuNb composites produced by powder metallurgy 9—56477
Schultz, L.K. *see* Bossi, E. 9—76834
Schultz, N.B. *see* West, C.M. 9—76149
Schultz, P. *see* De Clercq, C. 9—89188
Schultz, P.C. *see* Friebele, E.J. 9—50419
Schultz, P.F. *see* Parker, E.F. 9—72054
Schultz, P.F. *see* Ratner, L.G. 9—67608
Schultz, S. Current status of microwave thermography for medical applications 9—66503
Schultz Von Dratzig, A. *see* Brandelik, R. 9—63491, 9—93441
Schultze, B. Strongly irregular boundary value problems 9—63000
Schultze, D. *see* Kaminskii, A.A. 9—91466
Schultze, J.W. The electrosorption valency of and the partial charge transfer coefficient 9—96334
Schulz, B. *see* Nikolopoulos, P. 9—65223
Schulz, B. *see* Schneider, H. 9—87907
Schulz, C.J. *see* Eliezer, Z. 9—61743
Schulz, E. *see* Adams, R. 9—49359
Schulz, F. *see* Assmus, K.H. 9—54694
Schulz, H. *see* Apel, W. 9—85071
Schulz, H. *see* Courths, R. 9—52082
Schulz, H. *see* Denner, W. 9—51249
Schulz, H. *see* Koester, D. 9—88655
Schulz, H.J. *see* Andrieux, A. 9—78084, 9—91034
Schulz, H.-J. *see* Buhmann, D. 9—83027
Schulz, M. Jupiter's radiation belts 9—58296
Schulz, M.J. *see* Deal, B.E. 9—65110
Schulz, N. *see* Toulenmonde, M. 9—58998
Schulz, P.A. *see* Sudbo, A.S. 9—76476
Schulz, R.J., Nath, R. On the constancy in composition of polystyrene and polymethylmethacrylate plastics 9—60286
Schulz, S. *see* Gunther, W. 9—76263
Schulz, W. The effect of freely moveable foreign particles on the breakdown in an electric field 9—86625
Schulz, W. Erratic breakdown in air due to floating particles 9—94830
Schulz, W. Measurement of force and strain 9—98673
Schulz, W.W. Decontamination of Hanford Plutonium Reclamation Facility salt waste solution 9—49820
Schulz-DuBois, E.O. *see* Vehrenkamp, R. 9—50828
Schulz-Walz, H. Long term thermal stability of UP resins [urea phenolic resin] 9—91943
Schulze, D., Hornung, A., Schlick, P. Progress in electronic frequency control of superconducting helix resonators 9—72169
Schulze, D. *see* Citron, A. 9—72006
Schulze, D. *see* Krell, A. 9—61726
Schulze, G.E.W. The linear polycrystal and its statistics of grain-lengths 9—86872
Schulze, H. Radioactive waste—a problem for the 3rd millennium 9—54565
Schulze, H., Schumann, G. Determination of diffusion coefficients in nematic MBBA by the method of mass transport 9—51291
Schulze, K. Purification, alloying and analysis of refractory metals 9—56940
Schulze, K. *see* Niinikoski, T.O. 9—56684
Schulze, K.-R. On the dielectric response of solids. II. Local field effects in the phonon-induced density change of a semiconductor 9—51510
Schulze, R. *see* Camani, M. 9—57279
Schulze, R. *see* Camania, M. 9—56656
Schulze, W. *see* Abe, H. 9—90865
Schulze, W. *see* Roach, F. 9—57446
Schulze, W.A., Biggers, J.V. Piezoelectric properties of $Pb_5Ge_3O_{11}$ bonded PZT composites 9—78629
Schulze, W.A. *see* Biggers, J.V. 9—87595
Schulze-Kadelbach, R. *see* Potente, H. 9—81833
Schumacher, A. *see* Ecker, G. 9—73055
Schumacher, B.-J. *see* Comsa, G. 9—86993
Schumacher, E. *see* Herrmann, A. 9—50031, 9—54995
Schumacher, G. Hypostoichiometric results on the behaviour of fast reactor oxide fuel rods 9—49800
Schumacher, G. *see* Bernard, L. 9—61299, 9—78616
Schumacher, G. *see* Hebral, B. 9—55999
Schumacher, M. *see* Rullhusen, P. 9—67741
Schumacher, P.M. *see* Spicer, C.W. 9—92105
Schumacher, R., Sprunken, H.-R., Christodoulides, A.A., Schnidler, R.N. Studies by the electron cyclotron resonance technique. XIII. Electron scavenging properties of the molecules CCl_3F, CCl_2F_2, $CCIF_3$, and CF_4 9—50143
Schumacher, R.I. *see* Cordeiro-Stone, M. 9—88117
Schumacher, R.T. Self-sustained oscillations of the bowed string 9—98567
Schumacher, U. *see* Andelfinger, C. 9—76162
Schuman, R.P. Which fuel cycle produces the least alpha-active waste? 9—59209
Schumann, B., Tempel, A., Kuhn, G., Neumann, H., Van Nam, N., Hansel, T. Structural and electrical properties of $CuGaSe_2$ thin films on GaAs substrates 9—65564
Schumann, B. *see* Neumann, H. 9—65565, 9—95296
Schumann, B. *see* Tempel, A. 9—90913
Schumann, G. *see* Hollander, W. 9—79306
Schumann, G. *see* Schulze, H. 9—51291
Schumann, R. *see* Zipser, L. 9—97396
Schumann, S. *see* Elston, S.B. 9—50124
Schumann, W., Dubas, M. Holographic interferometry with the possibility of modifying the fringes during reconstruction 9—86140
Schunk, R.W. *see* Conrad, J.R. 9—66857
Schunk, R.W. *see* Demars, H.G. 9—77339
Schunk, R.W. *see* St.-Maurice, J.-P. 9—101018
Schuocker, D., Reif, W. Anodic contraction of vacuum arc at high currents 9—73057
Schuocker, D., Reif, W., Lagger, H. Theoretical description of discharge plasma and calculation of maximum output intensity of He-Ne waveguide lasers as a function of discharge tube radius 9—55110
Schupmann, R.G. *see* Williamson, D.L. 9—56646
Schur, T.P. *see* Forgac, J.M. 9—64517
Schurch, S., Goerke, J., Clements, J.A. Direct determination of volume- and time-dependence of alveolar surface tension in excised lungs 9—92257
Schurer, P.J., Morrish, A.H. Long and short range exchange interactions in ferromagnetic amorphous iron alloys 9—56526
Schuricht, V. Fusion reactors and the environment 9—54599
Schurman, D.J. *see* Seering, W.P. 9—92271
Schurmann, B. Simple model calculations within a microscopic transport theory of deeply inelastic heavy ion collisions 9—71870
Schurmann, J., Ott, R., Reinhardt, E.R. Automated cell image analysing system for cancer prescreening 9—83892
Schurmann, J. *see* Schwarzmann, P.W. 9—88225
Schurmann, S.R., Arnett, W.D., Falk, S.W. Type II supernovae: nonstandard candles as extragalactic distance indicators 9—62856
Schurr, J.M. *see* Allison, S.A. 9—50172
Schurr, J.M. *see* Bruckner, A.P. 9—79599
Schurr, J.M. *see* Thomas, J.C. 9—75621
Schurz, J., Ribitsch, V., Rainer, F. Rheological examination of synovia and synovia models 9—79584
Schuss, J.J., Farifax, S., Kusse, B., Parker, R.R., Porkolab, M., Gwinn, D., Hutchinson, I., Marmar, E.S., Overskei, D., Pappas, D., Scaturro, L.S., Wolfe, S. Lower-hybrid-wave heating in the Alcator-A Tokamak 9—82078

Schuss, Z., Matkowsky, B.J. The exit problem: a new approach to diffusion across potential barriers 9—80527

Schuss, Z. *see* Eliezer, S. 9—50874

Schussler, F., Blachot, J., Monnand, E., Fogelberg, B., Feenstra, S.H., van Klinken, J., Jung, G., Wunsch, K.D. Nuclear spectroscopy of neutron-rich A=143 nuclei 9—59039

Schussler, H.-H. Inductive flowmeter for unsymmetrical velocity profile and hydraulic conveying 9—77318

Schuster, E. *see* Neeb, K.H. 9—49710, 9—59228

Schuster, G. *see* Slemr, F. 9—53406

Schuster, G.B. *see* Mitchell, D.J. 9—54902

Schuster, G.J. *see* Michalsky, J.J. 9—92819

Schuster, H.E., Surdej, A., Surdej, J. Photoelectric observations of two unusual asteroids: 1978 CA and 1978 DA 9—101106

Schuster, H.-E. *see* Schmadel, L.D. 9—75156

Schuster, H.G. Absence of long-range order in certain random systems 9—63162

Schuster, H.G. *see* Hornreich, R.M. 9—99716

Schuster, H.G. *see* Schaub, B. 9—99717

Schuster, J.R., Russell, J.L., Jr., Eggers, G.H. Design, construction, and testing of a fixed mirror solar concentrator field 9—52903

Schuster, P. *see* Lukovits, I. 9—59342

Schuster, P. *see* Neumann, M. 9—77470

Schuster, W. *see* Bittner, G. 9—54735, 9—67591

Schuster, W.J. Thirteen-color photometry of subdwarf stars. I. Observations, sensitivity of the indices, and evolutionary effects 9—92767

Schutow, F.A. *see* Berlin, A.A. 9—56951

Schutt, W. *see* Schoppe, G. 9—79700, 9—79701

Schutte, A. *see* Fischer, W. 9—97819

Schutte, L., Colsmann, G., Reuter, B. Crystallographic, electronic and magnetic properties of the $Li[Mn_2]O_4$ spinels 9—60324

Schutz, D.F. ^{222}Rn and ^{210}Pb measurement for uranium prospecting 9—53573

Schutz, R. *see* Assmus, K.H. 9—54694

Schutz, R.J., Testardi, L.R. Thin-film Mo-Si interaction 9—77836

Schutz, W. The prediction of fatigue life in the crack initiation and propagation stages—A state of the art survey 9—68596

Schutz, Y. *see* Vivien, J.P. 9—85408

Schuurbiers, J.C.H. *see* Reiber, J.H.C. 9—70629

Schuurman, H.J., de Ligny, C.L. Physical models of radioimmunoassay applied to the calculation of the detection limit 9—79318

Schuurmans, C.J.E., van den Dool, H.M., Wisse, H.H. Air pollution and world climate 9—70838

Schuurmans, C.J.E. *see* van den Dool, H.M. 9—74949

Schuurmans, M.F.H., Polder, D. Superfluorescence and amplified spontaneous emission: a unified theory 9—85933

Schuurmans, M.F.H. *see* Polder, D. 9—55096

Schwab, C. *see* Goltzene, A. 9—56614, 9—99754

Schwab, C.R. *see* Sackett, W.M. 9—88369

Schwabe, D. *see* Hofstaetter, A. 9—99957

Schwabe, K., Leye, W., Steinhauer, H. Automatic control of HCl and SO_2 contents of the air by electrochemical methods 9—96491

Schwaha, K. *see* Bertel, E. 9—69361

Schwaha, K. *see* Prior, K.A. 9—99402

Schwaigerer, W., Hahne, E. Comparative outdoor measurements on flat-plate solar collectors in a metropolitan area in Western Germany 9—62048

Schwalbe, K.-H. Some properties of stable crack growth 9—68648

Schwalbe, L.A., Morris, R.A. Some modifications to an X-ray fluorescence spectrum deconvolution technique 9—74453

Schwall, R.E. *see* Shen, S.S. 9—60978

Schwalm, U., Toennies, J.P. Determination of the Van der Waals potential of H-HCl, -HBr and -HI from resolved orbiting resonance maxima in very low energy scattering 9—54937

Schwamb, D.H. Pressure shifts of the 3.51 μm line in xenon 9—76669

Schwan, H.P. *see* Kritikos, H.N. 9—100578

Schwan, H.P. *see* Takashima, S. 9—79603, 9—100665

Schwan, L. *see* Bill, H. 9—82567

Schwan, L.O., Geigle, W., Paus, H. Optical and EPR investigations of a new hydrogen center in potassium chloride 9—99920

Schwan, L.O. *see* Ikeya, M. 9—51521

Schwank, J.R. *see* Shahriary, I. 9—78159

Schwanke, H. *see* Besserdich, H. 9—99340

Schwanner, I. *see* Backenstoss, G. 9—76035

Schwarberg, A. *see* Iltis, R. 9—49239

Schwarcz, H.P. *see* Latham, A.G. 9—84107

Schwarcz, H.P. *see* Yuch-Ning Shieh 9—62496

Schwarting, W. *see* Bonzel, H.P. 9—99404

Schwartz, A.J. *see* Goldburg, W.I. 9—82346

Schwartz, B. *see* Roberge, R. 9—60997

Schwartz, B. *see* Schwartz, G.P. 9—77928

Schwartz, B.B. *see* Flukiger, R. 9—61005, 9—78279

Schwartz, C. *see* Vidali, G. 9—99429

Schwartz, D.A. *see* Bradt, H.V. 9—62929

Schwartz, D.A. *see* Fabbiano, G. 9—67109

Schwartz, D.A. *see* Griffiths, R.E. 9—62907, 9—92864

Schwartz, D.A. *see* Johnston, M.D. 9—62933

Schwartz, D.A. *see* Schwarz, J. 9—97090

Schwartz, D.P., Cluff, L.S., Donnelly, T.W. Quaternary faulting along the Caribbean-North American plate boundary in Central America 9—79804

Schwartz, D.P. *see* Packer, D.R. 9—88284

Schwartz, E.A. *see* Bader, C.R. 9—92220

Schwartz, G., Pratt, C., Candy, M.P. Comet Russell (1979d) 9—71002

Schwartz, G. *see* Shao, C.-Y. 9—80272

Schwartz, G.C., Rothman, L.B., Schopen, T.J. Competitive mechanisms in reactive ion etching in a CF_4 plasma 9—91816

Schwartz, G.C., Schaible, P.M. Reactive ion etching of silicon 9—83351

Schwartz, G.C. *see* Schaible, P.M. 9—83371

Schwartz, G.P., Griffiths, J.E., DiStefano, D., Gualtieri, G.J., Schwartz, B. Arsenic incorporation in native oxides of GaAs grown thermally under arsenic trioxide vapor 9—77928

Schwartz, I., Mintz, M.H., Hadari, Z. Dry recovery of ceramic uranium dioxide waste material 9—63787

Schwartz, J.H. Axonal transport: components, mechanisms, and specificity 9—96551

Schwartz, J.H. *see* Sherbany, A.A. 9—83755

Schwartz, J.-L. Influence of a constant magnetic field on nervous tissues. II. Voltage-clamp studies 9—57679

Schwartz, M. Upper bounds on the transition temperature of classical NN ferromagnetic systems for general n and d 9—61122

Schwartz, M. Velocity of sound in a dense, hard-sphere Bose liquid 9—69308

Schwartz, M. Relation between quenched and annealed random ferromagnetic systems 9—82794

Schwartz, M., Colville, M.J. Proton magnetic resonance investigation of hydrogen bonding in aqueous polyalcohols 9—78545

Schwartz, M. *see* Kuc, R.B. 9—57702

Schwartz, M. *see* Moradi-Araghi, A. 9—85968

Schwartz, M. *see* Ozkaplan, H. 9—78230

Schwartz, M. *see* Vicharelli, P.A. 9—76437

Schwartz, M.D., de Cristofaro, D. Review and evaluation of range-gated, pulsed, echo-Doppler 9—96642

Schwartz, M.H., Andres, R.P. Theoretical and experimental study of heavy species velocity in a low density supersonic freejet 9—94754

Schwartz, N., Beran, M.J. Scattering in an anisotropic random medium: numerical calculations 9—81587

Schwartz, P. *see* Lynch, D.K. 9—62583

Schwartz, R., Klovstad, J., Makhoul, J., Klatt, D., Zue, V. Diphone synthesis for phonetic vocoding 9—64440

Schwartz, R. *see* Berouti, M. 9—64415

Schwartz, R.J. Idealizations and approximations in physics 9—67137

Schwartz, R.N. *see* Pudzianowski, A.T. 9—91976

Schwartz, S.E. *see* Forrest, J. 9—83658

Schwartz, T. *see* Beck, J. 9—62265

Schwartz-Porsche, D. *see* Stephan, G. 9—96624

Schwartzenburg, D., Burnham, R. The grand adventure 9—62710

Schwartzman, H. *see* Lukasiewicz, M. 9—83981

Schwarz, A.S. The partition function of a degenerate functional 9—67458

Schwarz, A.S. *see* Belavin, A.A. 9—58878

Schwarz, A.S. *see* Fateev, V.A. 9—71610

Schwarz, A.S. *see* Romanov, V.N. 9—97521

Schwarz, E. *see* Braun, W. 9—74060

Schwarz, E. *see* Corfu, R. 9—85538

Schwarz, E. *see* Lunke, C. 9—85537

Schwarz, E. *see* Piffaretti, J. 9—85511

Schwarz, E. *see* Preedom, B.M. 9—97677

Schwarz, E. *see* Waldhelm, W. 9—50818

Schwarz, F. *see* Kolbig, K.S. 9—85013

Schwarz, G. *see* Kowalsky, W.P. 9—49358

Schwarz, G. *see* Szechter, A. 9—66493, 9—92304

Schwarz, H. Are 'beats' of electron waves at optical frequencies a potential for free-electron lasers? 9—55106

Schwarz, H.D., Weaver, J.N. The RF reference line for PEP 9—68050

Schwarz, J. Highly concentrating monopulse aerials for the meteorological satellite reception in the S-band 9—92628

Schwarz, J., Briel, U., Fabbiano, G., Griffiths, R.E., Schwartz, D.A., Doxsey, R.E., Johnston, M.D., McKee, J.D., Mushotzky, R.F. X-ray locations and sizes of clusters of galaxies observed with the HEAO 1 scanning modulation collimator 9—97090

Schwarz, J. *see* Fabbiano, G. 9—67109

Schwarz, J. *see* Griffiths, R.E. 9—62907, 9—92864

Schwarz, J. *see* Johnston, M.D. 9—62933

Schwarz, J.H. *see* Cremmer, E. 9—67212

Schwarz, K., Herzig, P. The sensitivity of partially filled f bands to configuration and relativistic effects, with particular respect to UC 9—78002

Schwarz, K., Herzig, P. Madelung energy and Watson sphere model for Li_3N 9—99112

Schwarz, K., Neckel, A. Comments on 'Significant differences between Hartree-Fock and local-exchange energy bands for TiO' 9—77979

Schwarz, K., Zingl, H.F.K., Mathelitsch, L. Relativistic parametrization of separable potentials for πN channels 9—63518

Schwarz, K., Zingl, H.F.K., Mathelitsch, L. Nucleon-nucleon phase shifts calculated using the Blankenbecler-Sugar equation 9—67580

Schwarz, K.W. Studies on superfluid turbulence 9—65274

Schwarz, M. *see* Adam, E. 9—54567

Schwarz, P. *see* Fischer, R. 9—71835

Schwarz, P. *see* Klages, H.O. 9—75965

Schwarz, R. *see* Dreizler, H. 9—58764

Schwarz, R. *see* Moreno Gonzalez, A. 9—66139

Schwarz, S.A., Helms, C.R. Model of ion knock-on mixing with application to Si-SiO_2 interface studies 9—83081

Schwarz, S.A., Helms, C.R. A statistical model of sputtering 9—100003

Schwarz, S.E. *see* Tien-Lai Hwang 9—75594

Schwarz, S.E. *see* Tsang, D.W. 9—82660

Schwarz, W.H. *see* Powell, R.L. 9—94576

Schwarz, W.H.E. *see* Bruch, R. 9—59414

Schwarz, W.H.E. *see* Friedrich, H. 9—76444

Schwarz, W.H.E. *see* Hafner, P. 9—97963

Schwarz, W.M. *see* Anderson, R.N. 9—79784

Schwarz, W.M. *see* DeLong, S.E. 9—88321

Schwarz, Z., Kossel, H. Sequencing of the 3'-terminal region of a 16S rRNA gene from Zea mays chloroplast reveals homology with E. coli 16S rRNA 9—70518

Schwarzbeck, K., Bangert, E., Ortenberg, M.V. Impurity states in zero-gap semiconductors 9—60758

Schwarzblat, M. An equation-of-state of xenon at high temperatures and pressures 9—67860

Schwarzenbach, D., Ngo Thong The use of electric field gradient calculations in charge density refinements. I. Hirshfeld-type deformation functions and the calculations of electric field gradients by Fourier series 9—73479

Schwarzenbach, D. *see* Ngo Thong 9—73480

Schwarzer, K. Radio-nuclide transport in soil 9—74556

Schwarzer, N. *see* Monig, F.J. 9—92004

Schwarzl, S. Temperature measurements on thin vapour-deposited films 9—49227

Schwarzl, S. *see* Kryder, M.N. 9—82843

Schwarzmann, E. *see* Jones, P.G. 9—69074

Schwarzmann, P.W., Reinhardt, E.R., Erhardt, R., Schurmann, J., Ott, R. Classification of microscopic cell images by features extracted with statistical methods 9—88225

Schwarzmeier, J.L. Variational nature of eigenvalue problems with a parameter 9—77338

Schwarzschild, B.M. *see* Biswas, N.N. 9—63556

Schwebel, R. The accuracy of the PK-1 precision comparator 9—97359

Schweda, H.S. *see* Dohnt, G. 9—94040

Schweickert, H. *see* Assmus, K.H. 9—54694

Schweickert, H. *see* Bechtold, V. 9—68012

Schweickert, H. *see* Kneis, W. 9—54709

Schweig, A. *see* Dietrich, H. 9—55730

Schweig, H. *see* Merges, V. 9—62099

Schweiger, A., Rudin, M., Gunthard, H.H. Multiplet structure in ENDOR spectra as a consequence of non-crossing energy levels 9—72341

Schweiger, F. Research work on flow measurement by the Winter-Kennedy method 9—68864

Schweiger, G., Becker, M. Investigation of shock-shock interaction in hypersonic flow 9—94673

Schweikert, E.A. *see* Friedli, C. 9—63854

Schweiss, P., Renker, B., Suck, J.-B. Phonon density of states of molybdenum chalcogenides 9—51714

Schweitzer, D.G. *see* Shroy, R.E. 9—52803

Schweitzer, G.K. *see* Bowling, R.A. 9—64046, 9—72357

Schweitzer, J.W. *see* Beeken, R.B. 9—87245

Schweitzer, L. *see* Bachus, R. 9—61216

Schweitzer, S. An 'average' weather year on Israel's coastal plain 9—80003

Schweitzer, S. A possible 'average' weather year on Israel's coastal plain for solar [heating] system simulations 9—84444

Schweitzer, T.W., Fitzgerald, J.W., Bowden, J.A., Lynne-Davies, P. Spectral analysis of human inspiratory diaphragmatic electromyograms 9—88071

Schweizer, F. Anamorphic magnification of grating spectrographs—a reminder 9—66927

Schweizer, J. *see* Barbara, B. 9—78331

Schweizer, J. *see* Boucher, B. 9—73682, 9—73683

Schweizer, J. *see* Boucherle, J.X. 9—99032

Schweizer, J. *see* Fuess, H. 9—78326

Schweizer, J. *see* Givord, D. 9—78329

Schweizer, M., Straumann, N. Poincare gauge theory of gravitation and the binary pulsar 1913+16 9—75434

Schweizer, R., Washburn, S., Meyer, H. The NMR spectrum of ortho-H_2 in diluted solid ortho-para mixtures 9—60600

Schweizer, T.C., Doering, R.R., Thornton, S.T., Dennis, L.C., Cordell, K.R., Parks, R.L. Nuclear fragment production from 720-MeV alpha-induced reactions 9—54426

Schwela, D., Junker, A. Derivation of air quality standards on the basis of risk considerations 9—79429

Schwellinger, P. Reply to discussion of 'Mechanism of ductile intergranular fracture' 9—79110
Schwellinger, P. *see* Zogg, H. 9—78963
Schwendemann, B. *see* Decker, W. 9—55920
Schwenk, F.C. *see* Helmick, H.H. 9—49829
Schwenn, R. *see* Gurnett, D.A. 9—53700, 9—80182
Schwenn, R. *see* Rosenbauer, H. 9—58216
Schwer, L.E. *see* Florence, A.L. 9—57914
Schwerdtfeger, C.F. *see* Graber, N. 9—78729
Schwerdtfeger, C.F. *see* Thompson, R.C. 9—82767
Schwerdtfeger, C.F. *see* Wagner, H.J. 9—78306
Schwerdtfeger, K. *see* Keller, H. 9—60532
Schwerdtner, W.M. Natural indicators of solid-body rotation in deformed rocks 9—79842
Schwettman, H.A. *see* Lyneis, C.M. 9—68078, 9—72065
Schwettman, H.A. *see* Vetter, A.M. 9—68017
Schwetz, K.A. Hexagonal boron nitride. I. Survey of production, properties and uses 9—74120
Schwetz, K.A. Hexagonal boron nitride. II. A new production technique from CaB_6 9—74121
Schwid, H. *see* Geisler, C.D. 9—70554
Schwider, J. Superposition fringes as a measuring tool in optical testing 9—86267
Schwierczinski, A. *see* Schneider, R. 9—75847
Schwierz, K.P. Approximations for 'Goertler functions' 9—86401
Schwiezer, T.C. *see* Cordell, K.R. 9—75815
Schwimmer, A. *see* Caneschi, I. 9—93356
Schwindke, P. *see* Scheiwe, M.W. 9—88215
Schwinger, J. Introduction to source theory with applications to high energy physics 9—49409
Schwinger, J. Multispinor basis of Fermi-Bose transformations 9—75676
Schwitters, R. The PEP program 9—97919
Schwitters, R.F. Fundamental particles with charm 9—54345
Schwitters, R.F. Experimental review of beam polarization in high energy e^+e^- storage rings 9—63837
Schwitters, R.F. *see* Abrams, G.S. 9—89149, 9—89174
Schwitters, R.F. *see* Johnson, J.R. 9—63838
Schwitz, W. *see* Deslattes, R.D. 9—76378
Schwob, J.L. *see* Zigler, A. 9—55550
Schwob, P. *see* Roulet, M.E. 9—99989
Schwochau, K. *see* Koglin, E. 9—73939
Schwuttke, G.H. *see* Kappert, H.F. 9—65493
Schyndel, A.Van *see* Van Schyndel, A.
Sciama, D.W. Cosmological implications of the 3K background 9—97117
Sciaraffa, D. *see* Shvartz, E. 9—100576
Sciascio, N.Di *see* Di Sciascio, N.
Scibano, A. *see* Apel, W.D. 9—54361
Scibona, G. *see* Avanzini, P.G. 9—97793
Sciesinska, E. Far infrared study of solid cyclohexanol 9—56785
Scifres, D.R., Streifer, W., Burnham, R.D. High-power coupled-multiple-stripe phase-locked injection laser 9—50307
Scifres, D.R., Stutius, W. Semiconductor laser with integral light intensity detector 9—89917
Scifres, D.R. *see* Burnham, R.D. 9—95943
Sciulli, F. An experimenter's history of neutral currents 9—89097
Sciuto, S. *see* Marinucci, T. 9—89058
Sciuto, S. *see* Olive, D. 9—71642
Sciver, S.W.Van *see* Van Sciver, S.W.
Sckopke, N. *see* Bame, S.J. 9—58197
Sckopke, N. *see* Paschmann, G. 9—58209
Sclater, J.G., Crowe, J. A heat flow survey of Anomaly 13 on the Reykjanes Ridge: a critical test of the relation between heat flow and age 9—79768
Scoberg, J.A. *see* Hastings, I.J. 9—74184, 9—93808
Scobey, R.P., Chalupa, L.M., Hammon, R.W. Suppression of maintained activity of retinal ganglion cells 9—79537
Scoboria, P., Crow, J.E., Mihalisin, T. Resistive behavior and intermediate valence effects in $La_{1-x}Ce_xPd_3$ and $CePd_{3-x}Rh_x$ 9—78068
Sconza, A. *see* Bonetti, S. 9—49509
Sconza, A. *see* Pohl, M. 9—49507
Scoseria, J.P. Cupless anemometer has diode wind-sensor 9—96832
Scotoni, I. *see* Lo Russo, S. 9—74261
Scott, A. *see* Baker, F.T. 9—63689, 9—97721
Scott, A.C. Josephson transmission line oscillators 9—87211
Scott, A.M. *see* Cooke, M.H. 9—61666
Scott, B.A. *see* Torrance, J.B. 9—61399
Scott, B.C. Parameterization of sulfate removal by precipitation 9—53472
Scott, B.C., Laulainen, N.S. On the concentration of sulfate in precipitation 9—100915
Scott, B.R. Hazard-function method of resolving radiation dose-response curves 9—66556
Scott, D., Lyons, D.Y. Homogeneous sensitivity of human peripheral blood lymphocytes to radiated-induced chromosone damage 9—53197
Scott, D.K. *see* Ortiz, M.E. 9—67769
Scott, D.K. *see* Shotter, A.C. 9—89275
Scott, D.K. *see* Van Bibber, K. 9—97723
Scott, D.M. *see* Kane, G.L. 9—85308
Scott, D.S. *see* Johnson, W.R. 9—92456
Scott, D.S. *see* Reilly, L.G. 9—52618
Scott, E.J.Van *see* Van Scott, E.J.
Scott, E.R.D. *see* Reed, S.J.B. 9—58304
Scott, G.B. The optical absorption and magneto-optic spectra of $Y_3Fe_5O_{12}$ 9—99860
Scott, G.W. *see* Anderson, R.W., Jr. 9—89683
Scott, H. *see* Hand, L. 9—75979
Scott, H.E., Pipes, J.G., Roux, J.A., Weller, C.S., Opal, C.B. Plume radiation measurements in a space simulation chamber [rocket engines] 9—97437
Scott, J.C. Static properties of spin-1/2 Ising and classical Heisenberg magnetic chains with alternating exchange 9—82737
Scott, J.C. *see* Benjamin, T.B. 9—68732
Scott, J.C. *see* Stahlbush, R.E. 9—73723
Scott, J.F. Spin-flip plus phonon scattering 9—73907
Scott, J.F. Phase transitions in $BaMnF_4$ 9—78378
Scott, J.F., Habbal, F., Nicola, J.H., Toms, D.J., Nakashima, S. Magnetic field dependence of electronic Raman scattering from ZnTe:Li and ZnTe:As 9—73928
Scott, J.F. *see* Crighton, D.G. 9—76905
Scott, J.F. *see* Toms, D.J. 9—61380
Scott, J.F. *see* Zvirgzds, J.A. 9—56795
Scott, J.H. *see* Burns, R.D., III 9—97840
Scott, J.H. *see* Mast, P.K. 9—49699
Scott, L. *see* Armstrong, T.A. 9—85344
Scott, L.M. *see* West, C.M. 9—76149
Scott, M.D. *see* Bird, J.D. 9—74442
Scott, M.J. Doppler ultrasonic flowmeters 9—50817
Scott, M.L., Johnston, G.T. Calorimetric measurement of absorption vs. temperature in a gold film 9—98423
Scott, P. *see* Helmberger, D.V. 9—57864
Scott, P.B. *see* Loree, T.R. 9—59755
Scott, P.M. Corrosion fatigue in pressure vessel steels for light water reactors 9—79169
Scott, R.A. *see* Dooley, D.M. 9—92125
Scott, R.B. *see* Bachinski, S.W. 9—74864
Scott, R.N. Education and certification of biomedical engineers in Canada 9—80389
Scott, S.M., Hamilton, W.D., Hungerford, P., Warner, D.D., Jung, G., Wunsch, K.D., Pfeiffer, B. The onset of deformation in the neutron-rich Ba isotopes 9—93499
Scott, T.A. *see* Fukushima, E. 9—99777
Scott, T.A. *see* Karickhoff, S.W. 9—83651
Scott, T.E. Elastic and mechanical properties 9—70132
Scott, T.W., Albrecht, A.C. Electric fields in sandwich cells by electroabsorption and electroreflection: the Al/tetracene/nesatron cell 9—65548
Scott, T.W., Keh-Chang Chu, Venugopalan, M. ESR studies of trapped free radicals and polymer deposition in xylene plasmas 9—83455
Scott, T.W., Keh-Chang Chu, Venugopalan, M. ESR signal of polymer film formed in xylene plasma 9—99750
Scott, T.W., Twarowski, A.J., Albrecht, A.C. Multiphoton ionization of liquid benzene: the ionization mechanism 9—98162
Scott, W. Infrared photoconductivity of shallow impurities in GaP 9—56257
Scott, W., Hager, R.J. Solution growth of indium-doped silicon 9—100040
Scott, W.D., Cattell, F.C.R. Vapor pressure of ammonium sulfates 9—81708
Scott, W.D. *see* Cattell, F.C.R. 9—58050
Scott, W.G. *see* Barnham, K.W.J. 9—85293
Scott, W.G. *see* Blietschau, J. 9—93396
Scott, W.H. *see* Gritzner, M.L. 9—59314
Scott, W.H., Jr. *see* Wilson, H.L. 9—63713
Scott, W.P. *see* Maheshwari, P.N. 9—96665
Scott, W.R. *see* Zeiss, G.D. 9—72249
Scotti, A. *see* Reatto, L. 9—73375
Scotti, V.G. A compact, portable irradiated fuel inspection stand 9—67912
Scourfield, M.W.J. *see* Woods, A.C. 9—62673
Scovenna, M. Ispra: when research is no longer science fiction 9—97770
Scoville, J.J., Simon, R.H. Gas-cooled breeder reactor program in the USA 9—97759
Scoville, N.Z., Hall, D.N.B., Kleinmann, S.G., Ridgway, S.T. Detection of CO band emission in the Becklin-Neugebauer object 9—101184
Scoville, N.Z., Wannier, P.G. Molecular cloud structure from 2-cm formaldehyde and 2.6-mm carbon monoxide lines 9—80341
Scoville, N.Z. *see* Bally, J. 9—53864
Scoville, N.Z. *see* Phillips, T.G. 9—92827
Scoville, N.Z. *see* Solomon, P.M. 9—101183
Scranton, R.A. The heteroepitaxy of InP on substrates of CdS using InI_3 as the transport agent 9—56083
Scribano, A. *see* Apel', V.D. 9—89194
Scribano, A. *see* Apel, W.D. 9—58978, 9—75800, 9—89195, 9—93464
Scrimaglio, R. *see* Balestra, F. 9—76041, 9—85427, 9—85437, 9—85495, 9—85513, 9—85517
Scrimaglio, R. *see* Capitani, G.P. 9—72034
Scrimshire, D.A. A revised model of gas transport in human lungs 9—100643
Scriven, L.E. *see* Carey, B.S. 9—51391
Scriven, L.E. *see* Talmon, Y. 9—71573
Scriven, L.E. *see* Winterfeld, P.H. 9—51390
Scrivener, O., Berner, C., Cressely, R., Hocquart, R., Sellin, R., Vlachos, N.S. Dynamical behaviour of drag-reducing polymer solutions 9—60034
Scrocco, M. Satellite structure in the X-ray photoelectron spectra of CuO and Cu_2O 9—56908
Scrosati, B., Voso, M.A., Lazzari, M. A cyclable copper solid-state cell based on intercalation electrodes 9—100511
Scrosati, B. *see* Bonino, F. 9—52918
Scruby, C.B. *see* Wadley, H.N.G. 9—83241
Scudder, J.D., Olbert, S. A theory of local and global processes which affect solar wind electrons. I. The origin of typical 1 AU velocity distribution functions—steady state theory 9—101041
Scudder, J.D. *see* Ogilvie, K.W. 9—58200
Scudieri, F. Cylindrically aligned liquid crystals: an interferometric analysis 9—73897
Scudieri, F., Ferrari, A., Fedtchouk, A. Light modulation with nematic-liquid-crystal mechanical excitation. Response times 9—73094
Scudieri, F., Ferrari, A., Gunduz, E. Ultrasound instabilities in smectic A 9—86695
Scudieri, F., Ferrari, A., Gunduz, E. Optical response by sheared liquid crystal near T_{A-N} 9—94895
Scudieri, F., Papa, T., Sette, D., Bertolotti, M. Acoustic emission in liquid crystals 9—55654
Scudieri, F., Papa, T., Sette, D., Bertolotti, M., Sturla, E. Acoustic emission at transitions in liquid crystals 9—95137
Sculfort, J.L. Electrochemical properties of single crystal ZnTe electrodes non-intentionally doped 9—96326
Sculfort, J.L., Baticle, A.M. Junction impedance between a polycrystalline $Ga_xIn_{1-x}P$ alloy electrode and an aqueous electrolyte 9—87153
Sculfort, J.L. *see* Baticle, A.M. 9—91138
Scully, J.C. *see* Kermani, M. 9—91830, 9—96183
Scully, J.C. *see* Majumdar, P. 9—91833
Scully, M. *see* Bonifacio, R. 9—51723
Scully, M. *see* Rogovin, D. 9—65606
Scully, M. *see* Sanders, V. 9—72604
Scully, M.O. General-relativistic treatment of the gravitational coupling between laser beams 9—85023
Scully, M.O. *see* Al-Abawi, H. 9—94204
Scully, M.O. *see* Anderson, D.Z. 9—59742
Scully, M.O. *see* Meystre, P. 9—55105
Scurlock, R.G., Stevens, F.A., Utton, D.B. The zero mechanical work thermal pump in the high speed rotating frame and its associated instabilities 9—58717
Scurlock, R.G., Utton, D.B. Experimental observations on the boundary between coexisting ^{4}He I and ^{4}He II 9—51334
Scurlock, R.G., Utton, D.B. A modified correlation for heat transfer by natural convection to liquid helium in the high speed rotation frame 9—58720
Scurlock, R.G. *see* Islam, M.S. 9—59986
Scurr, J. *see* Pepper, M.G. 9—57801
Sczaniecki, P.B., Kedzia, K., Hoser, A. EPR investigations of Mn^{2+} ions in $Zn(NH_3)_4](ClO_4)_2$ and the detection of structural transition 9—87308
Sdobnov, V.E. *see* Pakhomov, N.I. 9—84611
Se H. Oh *see* Cavendish, J.C. 9—96357
Seabaugh, A.C., Mattauch, R.J. Controlled in situ etchback for LPE GaAs 9—83114
Seabaugh, P.W. *see* Fellers, C.L. 9—75532
Seaborg, G.T. *see* Williams, K.E. 9—67716
Seabuagh, P.W., White, L.S. Effectiveness of multiple closure equations in an application of the controllable unit approach (CUA) to analyzing safeguards measurement systems 9—85746
Seager, C.H., Ginley, D.S. Passivation of grain boundaries in polycrystalline silicon 9—56158
Seager, C.H., Pike, G.E., Ginley, D.S. Direct measurement of electron emission from defect states at silicon grain boundaries 9—91559
Seager, C.H. *see* Pike, G.E. 9—82597
Seah, M.P., Dench, W.A. Quantitative electron spectroscopy of surfaces: a standard data base for electron inelastic mean free paths in solids 9—92041
Seah, M.P., Spencer, P.J., Hondros, E.D. Additive remedy for temper brittleness 9—61721
Seal, A.K. *see* Ray, R.K. 9—74170
Seal, M. *see* Burgemeister, E.A. 9—73353
Seale, W. *see* Mariscotti, M.A.J. 9—54380
Sealy, B.J., Badawi, M.H., Kular, S.S., Stephens, K.G. Laser annealing of ion implanted GaAs 9—73195
Sealy, B.J. *see* Badawi, M.H. 9—79131
Sealy, B.J. *see* Emerson, N.G. 9—99499
Sealy, B.J. *see* Kular, S.S. 9—79127
Seaman, C. *see* Piomelli, S. 9—92190
Seamons, L.O. *see* Otts, J.V. 9—62113
Seaquist, E.R., Garrison, R.F., Gregory, P.C., Taylor, A.R., Crane, P.C. Radio and optical observations of SS 433 9—88661
Seaquist, E.R. *see* Davis, L.E. 9—71035
Searcy, A.W. *see* Bertrand, G. 9—52646
Searer, M. *see* Langley, K.H. 9—66365
Searle, C.L., Zachary Jacobson, J., Rayment, S.G. Stop consonant discrimination based on human audition 9—50528

Searle, C.L. *see* Kimberley, B.P. 9—55286
Searle, C.W., Maartense, I. Characterization of domain-wall nucleation sites in $SmCo_5$ single crystals 9—56563
Searle, C.W. *see* Maartense, I. 9—56584
Searle, C.W. *see* Mier, M.G. 9—78462
Searle, R.C. *see* Laughton, A.S. 9—88338
Searle, T.M., Nashashibi, T.S., Austin, I.G., Devonshire, R., Lockwood, G. Radiative and non-radiative tunnelling in glow-discharge and sputtered amorphous silicon 9—83026
Searle, T.M. *see* Austin, I.G. 9—61419
Sears, R.D. *see* Roche, A.E. 9—58232
Sears, T.J. *see* Brown, J.M. 9—63976, 9—76429
Sears, V.F., Woods, A.D.B., Svensson, E.C., Martel, P. Effective pair potential in liquid ^4He at T=4.2K 9—50980
Sears, V.F. *see* Dolling, G. 9—77533
Sears, W.M., Klein, M.L., Morrison, J.A. Polytypism and the vibrational properties of PbI_2 9—69211
Sears, W.M., Morrison, J.A. Low temperature thermal properties of PbI_2 9—95178
Seaton, M.J. Extinction of NGC 7027 9—67082
Seaton, M.J. Interstellar extinction in the UV 9—67083
Seaver, M. *see* Lin, H.-M. 9—81257
Seaver, M. *see* Parmenter, C.S. 9—86034
Sebastian, H.M., Simnick, J.J., Lin, H.M., Chao, K.C. Gas-liquid equilibria in mixtures of hydrogen and thianaphthene 9—65177
Sebastian, K.H. External interaction of a weakly bound composite system of charged particles with the quantized radiation field 9—68332
Sebastian, K.J., Yun, D. Lie algebra of the Poincare group and the relativistic centre-of-mass variables of a composite system 9—71245
Sebastian, L., Weiser, G. Electric field modulated spectra of polydiacetylene single crystal (PTS) 9—78653
Sebastiani, F. *see* Conversi, M. 9—54744
Sebastiani, F. *see* Esposito, B. 9—63489
Sebenne, C.A. *see* Guichar, G.M. 9—91122
Sebesta, F. *see* Petenyi, V. 9—89372
Sebesta, F. *see* Stubna, M. 9—89374
Sebestyen, T. *see* Mojzes, I. 9—95495
Sebkova, J., Beranek, M. The surface tension of Al-Si alloys 9—77865
Sebkova, J., Beranek, M., Halamkova, P. Thermodynamic properties of liquid Al-Mg-Si alloys 9—91626
Sebor, M. A DC pointer-type V-A ohmmeter 9—97405
Sebyakin, Yu.N. *see* Devdariani, A.Z. 9—49969, 9—94075
Secades, I.de Benito *see* de Benito Secades, I.
Sechi-Zorn, B. *see* Esposito, B. 9—63489
Sechkin, V.A. *see* Volovov, V.I. 9—86284
Sechler, E.E., Babcock, C.D., Spencer, H.H. Are measurements of geometric imperfections of plates and shells useful? [and reply] 9—81713
Sechrist, C.F., Jr. *see* Richter, E.S. 9—58138, 9—74934
Secomb, T.W., Rosenblat, S. Torsional oscillations of a non-Newtonian fluid with a free surface 9—94682
Secrest, A., Wissler, E.H. An unbiased, minimum variance, linear estimator for determining perfusion rates from heat clearance data 9—92283
Secrest, D., Lin, C.S. On the rotational energy sudden approximation in vibrationally inelastic collisions 9—68303
Secroun, C. *see* Barbe, A. 9—64001, 9—84371
Secroun, C. *see* Marche, P. 9—66764
Seda, J. *see* Prouza, Z. 9—68113
Sedahmed, G.H. Mass transfer behaviour of gas-evolving particulate-bed electrode 9—57243
Sedahmed, G.H., El-Abd, M.Z., Mansour, I.A.S., Ahmed, A.M., Wragg, A.A. The role of natural convection mass transfer in the kinetics of electropolishing of horizontal surfaces 9—57143
Seddon, E.A. *see* Doran, M. 9—68194
Seddon, K.R. *see* Anderson, S. 9—91964
Seddon, K.R. *see* Doran, M. 9—68194
Sedea, R. *see* Channell, J.E.T. 9—66613
Sedelnikov, A.I. *see* Preobrazhenskii, N.G. 9—97442
Sedel'nikov, T.Kh. Motion of a pulsating bubble near a plane boundary between an ideal incompressible liquid and a viscous incompressible liquid 9—94707
Sederel, W. *see* Uralil, F. 9—66096
Sedgebeer, J. *see* Brandelik, R. 9—93441
Sedgeley, D. *see* Jassby, D.L. 9—50898
Sedgwick, H.A. *see* Holtzman, J.D. 9—53104
Sedlacek, J. *see* Petenyi, V. 9—89372
Sedlacek, J. *see* Stubna, M. 9—89374
Sedlacek, M. *see* Huf-Desoyer, G. 9—73959
Sedlak, J. *see* Boos, E.G. 9—89203
Sedlmayr, E. *see* Gail, H.-P. 9—80342, 9—88719
Sedmak, G. *see* Crivellari, L. 9—62758
Sedmak, G. *see* Pasian, F. 9—58268, 9—58269, 9—58270
Sedmak, G. *see* Pucillo, M. 9—58256, 9—62757
Sedmak, G. *see* Rodono', M. 9—62751, 9—80317
Sedmak, G. *see* Stalio, R. 9—101146
Sedov, B.M. *see* Alekseev, V.N. 9—64237
Sedov, L.I., Yoselevich, V.A., Pilipenko, V.N. Friction and heat transfer in turbulent wall flows of liquids with polymeric additives 9—98802
Sedov, L.V. *see* Lyamshev, L.M. 9—91403
Sedov, N.N. *see* Nepijko, S.A. 9—95518
Sedov, V.E. *see* Ashirov, T.K. 9—51529
Sedov, V.K. *see* Golubev, L.I. 9—71921
Sedov, Yu.A. *see* Dekhtyar, I.Ya. 9—99970
Sedov, Yu.B. *see* Novikov, E.A. 9—98736
Sedova, G.L. Nonlinear waves and strong discontinuities in ferromagnets 9—81330
Sedrakyan, A.G. *see* Asatryan, H.M. 9—75748
Sedrakyan, D.M. *see* Avetisyan, G.K. 9—55039
Sedrakyan, R.G. *see* Dargis, A.Yu. 9—65496
Sedunov, E.V. Practical applications of unbiased regression experimental designs 9—97184
Sedykh, N.K. *see* Shchetinin, A.A. 9—67386
Seeber, B. *see* Chevrel, R. 9—65056
Seeber, B. *see* Decroux, M. 9—56460
Seeber, G., Wissel, H. Experience with the Zeiss PK-1 precision comparator in evaluating astrometric plates 9—97360
Seebrunner, H. *see* Giboni, K.L. 9—89204
Seedhom, B.B. *see* Ellis, M.I. 9—74698
Seeds, M.A. Stellar evolution 9—58318
Seefeld, K.P. *see* Hofmann, J. 9—52006
Seeger, A. Positive muons as probes for defects in crystals 9—56700
Seeger, A. Positive muons as light isotopes of hydrogen 9—82907
Seeger, A. *see* Decker, W. 9—55920
Seeger, A. *see* Frank, W. 9—65126
Seeger, A. *see* Gladisch, M. 9—56446
Seeger, A. *see* Herlach, D. 9—56701
Seeger, A. *see* Metz, H. 9—56693
Seeger, T. *see* Fuhring, H. 9—50650
Seegmiller, H.L., Marvin, J.G., Levy, L.L., Jr. Steady and unsteady transonic flow 9—59999
Seehra, M.S., Seehra, S.S. Temperature dependence of the band gap of FeS_2 9—95758
Seehra, M.S., Silinsky, P. Non-stoichiometry and temperature-dependent magnetic susceptibility of CoO 9—82768
Seehra, S.S. *see* Seehra, M.S. 9—95758
Seel, M., Ladik, J. Quaternionic molecular orbital approach to electron correlation 9—59327
Seelen, W.V. *see* Wessels, G. 9—83866
Seelentag, W.W., Fox, R.A., Barish, R.J., Boag, J.W. Ionography on thick dielectric sheets: some development artefacts 9—57759
Seelentag, W.W., Panzer, W. Stripping of X-ray bremsstrahlung spectra up to 300 kV_p on a desk type computer 9—83846
Seeley, G.W., Roehrig, H., Nudelman, S., Frost, M.M., Capp, M.P. Psychophysical evaluation of video system compared to film 9—74751
Seeley, M.W. *see* Ridley, A.P. 9—79799
Seelig, F.F. Synthesis and properties of a new kind of one-dimensional conductors. II. Extended Huckel calculations on the energy band structure 9—90941
Seelig, F.F. *see* Hanack, M. 9—90940
Seelig, J. *see* Brown, M.F. 9—79485
Seelig, R.P., Stueber, R.J. High-temperature-resistant coatings for superalloys 9—57138
Seeliger, E. Long-term ECG recording with the Siretape C 9—92407
Seeliger, R. *see* Reinhart, K.F. 9—87328
Seely, J.F. Density-sensitive dielectronic satellite lines in microballoon neon spectra 9—72270
Seeman, V. *see* Egemberdiev, Zh. 9—65076
Seemuller, W.W., Robertson, K.D. A noncontact velocimeter using sensing arrays 9—58677
Seemuth, D.P., Hall, J.L., Robertson, K.A., Huber, C.O. A student constructed potentiometric electrode and semi-auto titrator system 9—84918
Seepolt, R. *see* Eickelpasch, N. 9—59229
Seergeev, M.A. *see* Bugrov, E.A. 9—71413
Seering, W.P., Piziali, R.L., Nagel, D.A., Schurman, D.J. Measuring the primary and coupled loads transmitted by the various ligaments of the human knee 9—92271
Seethanen, D. *see* Laty, P. 9—91556
Seetharaman, M. *see* Mathews, P.M. 9—67207
Seetharaman, S., Staffansson, L.-I. Discussion of 'electrochemical determination of the free energy of formation of SnO_2' 9—82360
Seetharamu, K.N., Baliga, B.V. Liquid solar collector 9—62097
Seetharamu, K.N. *see* Ramakrishna, K. 9—55388
Seferov, A.S. *see* Manenkov, A.A. 9—87047
Sefidvash, F. A nuclear power reactor concept for Iran 9—93809
Seftor, C. *see* Sadler, M.E. 9—85328
Segal, A. On the numerical solution of the Stokes equations using the finite element method 9—92947
Segal, I.E. *see* Jakobsen, H.P. 9—80374
Segal', V.M. *see* Starodubtsev, Yu.N. 9—91709
Segall, A. *see* Johnson, T.L. 9—100764
Segall, R.L. *see* Cowley, R.R. 9—60382
Segalov, Z., Goren, Y., Carmel, Y., Eylon, S. Self-focusing of an intense relativistic electron beam in a conical diode 9—89840
Segar, A.J. *see* De Clercq, C. 9—89188
Segawa, Y. *see* Kobayashi, T. 9—78752
Segeda, N.I., Chernyuk, S.L., Shirochenkov, A.N. Instrument for measuring the nonlinearity of a volt-ampere characteristic curve 9—67341
Segel, A.W.L. CANDU fuel behaviour under transient conditions 9—71930
Segel, R.E. *see* Bowles, T. 9—93663
Segel, R.E. *see* Geesaman, D.F. 9—85541
Segel, R.E. *see* Olmer, C. 9—93667
Segel, S.L., Brown, R.J.C. Nuclear quadrupole coupling in ND_4ReO_4 and ND_4IO_4 9—65756
Segers, L., Fontana, A., Winand, R. Densities and molar volumes of mixtures of the molten oxides of the $CaO-SiO_2$-MnO system 9—51183
Segers, L., Fontana, A., Winand, R. Electrical conductivities of mixtures of the molten silicates of the $CaO-SiO_2$-MnO system 9—51287
Seggern, D.H.von *see* von Seggern, D.H.
Seggern, H.von *see* von Seggern, H.
Seggewiss, W. *see* Kam-Ching Leung 9—97027
Seggewiss, W. *see* Moffat, A.F.J. 9—92778
Segi, K. *see* Imai, H. 9—50295
Seglar, P. *see* Canivell, V. 9—63143
Segler, G. *see* Morikawa, Y. 9—50782
Seglie, E.A., Petersen, J.F., Ascuitto, R.J. Model for an effective Q value for heavy-ion-induced transfer reactions 9—63692
Segmuller, A. Small-angle interferences of X-rays reflected from periodic and near-periodic multilayers 9—94846
Segmuller, A. *see* Chin-An Chang 9—77942
Segmuller, A. *see* Murakami, M. 9—90918
Segnitz, W. *see* Kneis, W. 9—54709
Segre, G., Weldon, A. Natural suppression of strong P- and T-invariance violations and calculable mixing angles in SU(2)⊗U(1) 9—54278
Segre, G., Weldon, H.A. Natural flavor conservation and the absence of radiatively induced Cabibbo angles 9—97581
Segre, G., Weldon, H.A., Weyers, J. Mass hierarchies and a formula for the Cabibbo angle in $SU(2)_L \times U(1)$ 9—63420
Segre, S.E. *see* Ascoli-Bartoli, U. 9—60170
Segre de Giambiagi, M., Giambiagi, M. Two simple symmetry-dependent rules in conjugated systems 9—89592
Segui, Y., Ai, B., Bagnol, C., Pistre, J., Danto, Y., Barriere, A.S. Metal electrode diffusion into polymer films 9—77821
Seguin, F.H. *see* Petrasso, R.D. 9—75194
Seguin, M.K. Paleomagnetism of Cambrian volcanites in the Quebec Appalachians 9—62429
Seguin, M.K. Palaeomagnetism of the Shabogamo gabbro, New Quebec and Labrador, Canada: a second study 9—84092
Seguin, M.K., Laurent, R. Magnetic signatures of ophiolitic and continental margin pillow lavas from the Quebec Appalachians 9—79813
Segundo, J.P. *see* Vibert, J.F. 9—92242, 9—100636
Segundo, T.San *see* San Segundo, T.
Segur, H. *see* Ablowitz, M.J. 9—72902, 9—75356
Sehgal, B.R., Yang, C.S. Preliminary physics design of a pressurized heavy-water reactor 9—67837
Sehgal, B.R. *see* Naser, J.A. 9—59156
Sehgal, C., Steer, R.P., Sutherland, R.G., Verrall, R.E. Sonoluminescence of argon saturated alkali metal salt solutions as a probe of acoustic cavitation 9—60437
Sehgal, H.K. *see* Sharma, N.C. 9—90915
Sehgal, L.M. *see* Sakakibara, S. 9—54292
Sehgal, L.R. *see* Roccaforte, P. 9—74815
Sehmel, G.A. *see* Slinn, W.G.N. 9—62544
Sehnert, M. *see* Ullman, A.Z. 9—89497
Sehra, J.S. *see* Sen, A.K. 9—67258, 9—84577, 9—101001
Seiber, B.A. *see* Sher, A. 9—78182
Seiberl, W. The transformation of gravitational and magnetic fields in the area of the Eastern Alps 9—70735
Seiberl, W., Franke, A., Gutdeutsch, R., Steinhauser, P. Correlation between magnetic and gravimetric data in the East Alpine area 9—53327
Seiberling, W.E., Chen, C.F., Roemer, L.E. Microprocessor control of the blood flow plethysmograph 9—62402
Seibl, J. *see* Mandli, H. 9—89036
Seibold, H.W., Zelles, L., Ernst, D.E.W. Tube growth stimulation of pine pollen by low doses of irradiation. Dose rate, reproducibility and comparison between UV-light and ionizing rays 9—100677
Seichert, N. *see* Schiemenz, P. 9—85450
Seid-Rzaeva, S.M. *see* Gashimzade, F.M. 9—51563
Seidel, B.R. *see* Einziger, R.E. 9—67863
Seidel, D.B., Wait, J.R. Radio transmission in anelliptical tunnel with a contained axial conductor 9—55030
Seidel, G. *see* Gergory, B. 9—65357
Seidel, K. *see* Metz, H.J. 9—59644
Seidel, W. *see* Kloppel, K.D. 9—89038
Seidemann, D. $^{40}Ar/^{39}Ar$ studies of deep-sea igneous rocks 9—53325
Seiden, A. *see* del Papa, C. 9—49528
Seiden, J., Jamet, J.-P. EPR frequency in spin-glass 9—61198
Seiden, P.E. *see* Torrance, J.B. 9—61399

Seiders, B.A.B., Luken, W.L., Blickensderfer, R.P., Jordan, K.D. Theoretical study of the anions of BeF_2 and MgF_2 9—72253
Seiders, B.A.B., Luken, W.L., Jordan, K.D. Binding of an electron to a molecular dipole: BeF_2^- 9—49944
Seidl, A.A. *see* Ammosov, V. 9—71737
Seidl, A.A. *see* Berge, J.P. 9—71741
Seidl, A.A. *see* Efremenko, V.I. 9—75763
Seidl, E. *see* Weber, H.W. 9—56472
Seidl, M. *see* Steinheil, E. 9—95896
Seidler, B. *see* Frank, K. 9—67592
Seidler, W.A. *see* Carlile, R.N. 9—90412
Seidman, D.N. On the point-defect annealing mechanism for stage III recovery in irradiated or quenched tungsten 9—60403
Seidman, D.N. *see* Ching-Yeu Wei 9—73224
Seidman, D.N. *see* Wagner, A. 9—67437, 9—78971
Seidov, Yu.M. *see* Abdullaev, M.N. 9—51647
Seidov, Z.F., Kuzakhmedov, R.Kh. New solutions of the Lane-Emden equation 9—96994
Seidov, Z.F., Seidova, P.I. A polytrope of index three 9—62819
Seidov, Z.F. *see* Bugaev, E.V. 9—93605
Seidova, P.I. *see* Seidov, Z.F. 9—62819
Seidowski, E. *see* Ledovskoi, V.P. 9—91180
Seielstad, G.A. *see* Cohen, M.H. 9—92882
Seifert, B.C. El Salvador copper mine big scale solar collector plant project 9—74503
Seifert, F. *see* Stocker, H. 9—50544
Seifert, G. *see* Muller, C. 9—51480
Seifert, R. *see* Van de Wiel, H.J. 9—88038
Seifert, W. *see* Butter, E. 9—90909
Seifritz, W. Comments on neutron-induced fission in a compressed DT-Pu plasma 9—71946
Seikai, S., Kashima, N., Uchida, N. Design of multimode optical fibers 9—55233
Seikai, S., Kashima, N., Uchida, N. Multimode optical fibers design 9—59820
Seikai, S. *see* Hirai, M. 9—59854
Seikai, S. *see* Kato, Y. 9—76820
Seikai, S. *see* Kitayama, K.-I. 9—81536
Seikai, S. *see* Ogai, M. 9—50471
Seikmann, J. The profile curve of a cylindrical capillary surface 9—81983
Seilentkhal, M.I. Surface photo-EMF in a degenerate semiconductor 9—69580
Seiler, D.G., Hanes, L.K., Goodwin, M.W., Stephens, A.E. Shubnikov-de Haas effect studies on optically heated electrons in n-InSb 9—73529
Seiler, D.G. *see* Stephens, A.E. 9—51602
Seiler, E. *see* Brydges, D. 9—67465
Seiler, E. *see* Garber, W.-D. 9—80739
Seiler, F. *see* Conzett, H.E. 9—89314
Seiler, F. *see* Schmelzbach, P.A. 9—71830
Seiler, P., Dunitz, J.D. A new interpretation of the disordered crystal structure of ferrocene 9—65063
Seiler, R. *see* Avron, J.E. 9—63396
Seiler, W. *see* Fabian, P. 9—84384
Seiler, W. *see* Slemr, F. 9—53406
Seim, O.S., Wendte, J.C., Feldman, E.E. Creep specimen container and EBR-II irradiation subassembly design 9—54479
Seiner, J.A. Microvoids as pigments. A review 9—52617
Seinfeld, J.H. *see* Koda, M. 9—49178
Seinfeld, J.H. *see* Stelson, A.W. 9—88389
Seip, H.M. *see* Gether, J. 9—83656
Seiranian, K.B. *see* Sobolev, B.P. 9—61570
Seireg, A. *see* Arvikar, R. 9—92272
Seitov, Kh.S. *see* Karpushin, A.G. 9—81707
Seitova, T.A. *see* Samsonidze, T.G. 9—70515
Seitter, W.C. *see* Duerbeck, H.W. 9—71042
Seitz, D. *see* Kim, K.C. 9—68227
Seitz, G. Light reflectance by the compound eye of the green lacewing (Crysopa vulgaris Schneid., Planipennia) 9—96554
Seitz, M.G., Rickert, P.G., Fried, S., Friedman, A.M., Steindler, M.J. Migratory properties of some nuclear waste elements in geologic media 9—67893
Seitzer, P., Ianna, P.A., Levinson, F. Astrometric observations of satellites of the outer planets. II. The Saturnian system during 1978 9—75149
Seitzer, P., Smith, G., Ross, B. Novalike object in Centaurus 9—75220
Seitzer, P., Tuohy, I.R., Mason, K.O., Middleditch, J., Nelson, J. 2S 1822-371 9—92894
Seitzer, P.O. *see* Thuan, T.X. 9—92846, 9—92851
Seizew, M.R., Kuhl, A.L., Blankenship, V.D. The role of viscosity of solids in microparticle cratering 9—66255
Sek, G. Simple recorder of digital measurement results 9—88598
Sek, S. *see* Walczak, W. 9—75500
Sek Choi Val *see* Choi Val Sek
Sekanina, Z. Relative motions of fragments of the split comets. III. A test of splitting and comets with suspected multiple nuclei 9—66961
Sekanov, Yu.P., Levina, N.S., Popova, L.N., Batalin, M.Yu. Analysis of errors in measuring grain moisture content by means of capacitive hygrometers 9—75538
Sekhar, Y.Ravi *see* Ravi Sekhar, Y.
Sekhon, G.S., Shishodia, K.S., Sharma, P.C. A numerical method for analysis of bounded metalworking processes 9—83212
Sekhon, S.S., Kamal, R. Mossbauer spectra in x $PbO.(1-x)\ B_2O_3$ doped with Fe_2O_3 9—87338
Sekhon, S.S. *see* Gupta, R.G. 9—78509
Seki, H., Koukitu, A. Thermodynamic calculation for the quaternary alloy composition of vapor-grown $In_{1-x}Ga_xAs_yP_{1-y}$ 9—99094
Seki, H. *see* Koukitu, A. 9—95526
Seki, J. *see* Yamamoto, T. 9—97007
Seki, K., Inokuchi, H. Photoelectron spectrum of l-tyrptophan in the gas phase 9—86004
Seki, K., Kamiya, T., Yanai, H. Analysis of gain-guiding DH semiconductor lasers: effect of transverse carrier diffusion 9—55139
Seki, K., Kamiya, T., Yanai, H., Yano, M. The phase shift of the light output in sinusoidally modulated semiconductor lasers 9—98365
Seki, M., Kaji, I., Kito, M. Structure of force-free magnetic fields in equilibrium of toroidal plasma in high β Tokamak 9—82086
Seki, M., Kawamura, H., Sanokawa, K. Natural convection of mercury in a magnetic field parallel to the gravity 9—81990
Seki, M., Ueki, A., Kobayashi, K. 0.8-μm band optical isolator for fiber-optic communication 9—50424
Seki, M. *see* Kobayashi, K. 9—50423
Seki, N., Fukusako, S., Inaba, H. Heat transfer in a cavity packed with fibrous glass 9—55317
Seki, N., Fukusako, S., Torikoshi, K. Experimental study on the effect of orientation of heating circular plate on film boiling heat transfer for fluorocarbon refrigerant R-11 9—55380
Seki, N., Sugawara, M., Fukusako, S. Radiative melting of ice layer adhering to a vertical surface 9—76956
Seki, N., Sugawara, M., Fukusako, S. Back-melting of a horizontal cloudy ice layer with radiative heating 9—76961
Seki, R. *see* Arima, A. 9—85549
Seki, S. Electron-magnon interactions in itinerant ferromagnets 9—99673
Seki, S., Ouchi, K., Hisa, I., Ito, A. Radioactivity leach tests under high hydrostatic pressure on full size monolithic cement packages of LWR wastes for sea dumping 9—63761
Seki, S., Tachiki, M., Matsumoto, H., Umezawa, H. Ward-Takahashi identifies in itinerant electron ferromagnetism. I. Zero temperature case 9—73669
Seki, S. *see* Kudo, H. 9—99330
Seki, S. *see* Sanada, J. 9—71836, 9—71857
Seki, Y., Santoro, R.T., Oblow, E.M., Lucius, J.L. Macroscopic cross-section sensitivity study for the TNS integral experiments 9—67951
Seki, Y. *see* Kajiyama, K. 9—78166
Seki, Y. *see* Kamejima, T. 9—82213
Seki, Y. *see* Sako, K. 9—76126
Seki Ryoichi *see* Ryoichi Seki
Sekiguchi, M. *see* Sato, K. 9—54648
Sekiguchi, T. *see* Ando, M. 9—81342
Sekiguchi, T. *see* Tsuji, H. 9—94810
Sekikawa, Y. *see* Bando, Y. 9—69060, 9—73137
Sekine, H., Mura, T. Weakening of an elastic solid by a periodic array of penny-shaped cracks 9—68658
Sekine, H., Mura, T. A dislocation dipole in an anisotropic medium 9—99195
Sekine, H. *see* Sutoh, T. 9—88921
Sekine, S. Variations on the luminance and the color-temperature of the clear sky in Rayleigh atmosphere 9—92594
Sekine, T., Baba, H. The isomeric cross-section ratio in double neutron capture of ^{93}Nb 9—49623
Sekine, T., Baba, H. Yields of ^{66}Ni and ^{57}Ni in the irradiation of nickel with reactor neutrons 9—49624
Sekioka, T. *see* Matsuki, S. 9—67777
Sekita, M. *see* Kato, K. 9—99140
Sekita, M. *see* Minami, F. 9—83104
Sekiya, M. The generalized dual loop expansion of $U(N_c)$ gauge theory 9—93385
Sekiya, T., Okuda, H. Flux growth of Cr_2O_3 crystals from a $K_2Cr_2O_7$-K_2CrO_4-$K_2B_4O_7$ mixture 9—100037
Sekiya, T., Saito, M. A simplified automatic classifying system for human chromosomes 9—84062
Sekiya, T., Saito, M., Ikeda, K. A simple chromosome-classifying system based on banding technique 9—84060
Sekiya, T. *see* Komano, Y. 9—80971
Sekiya, T. *see* Tanaka, K. 9—68544
Sekiyama, M. On the generator which is involved in the casing of flow turbine 9—88001
Seko, A., Sasamori, A. Fiber laser plate 9—76695
Seko, M. *see* Hikita, H. 9—95190
Seko, T., Narita, H., Azakami, T. Field intensity distribution of reconstructed image for a point object in long wavelength hologram 9—55093
Sekoguchi, K., Fukano, T., Ishida, K., Ousaka, A. Two-phase flow measurements with orifice-couple in horizontal pipe line. I. Various compositions of orfices for orifice-couple and appropriate area ratio of opening 9—94744
Sekundov, A.N. *see* Abramovich, G.N. 9—98770
Sekundov, A.N. *see* Rasshchupkin, V.I. 9—77118
Selak, S. Earthquake phenomena as cosmological manifestation 9—57856
Selander, W.N. Explicit formulas for the computation of friction factors in turbulent pipe flow 9—98812
Selander, W.N., Wong, P.Y. Acoustic analysis of hydrodynamic oscillations in the Gentilly-1 steam mains 9—97771
Selariu, M. *see* Garlea, I. 9—63862
Selbach, H., Kanert, O., Wolf, D. NMR investigation of the diffusion and conduction properties of the semiconductor tellurium. I. Electronic properties 9—78547
Selby, D.L. *see* Loyd, D.L. 9—80992
Selby, J.E.A., Reed, R.A. Atmospheric background and smoke stack measurements and modeling in the 3.8-5.5 μm region 9—66797
Selby, M.J., Wade, R., Magro, C.S. Speckle interferometry in the near-infrared 9—53734
Selby, M.J. *see* Blackwell, D.E. 9—92682
Selby, M.J. *see* Phillips, J.P. 9—53828
Selcho, H.S. LOFT LOCE fuel module structural response 9—89439
Selcuk, M.K. Analysis, development and testing of a fixed tilt solar collector employing reversible vee-trough reflectors and vacuum tube receivers 9—100539
Selden, G.F. *see* Coppa, A.P. 9—75673
Selenew, J.W. *see* Woskressenski, W.A. 9—100106
Seleznev, L.I. Distribution of heterophase fluctuations in two-component stable systems 9—80563
Seleznev, L.I. Formation of condensed phase in turbulent flows 9—81853
Seleznev, L.N., Portnov, G.G. Chord winding of composite-tape disks 9—87679
Seleznev, S.A. *see* Petrov, A.G. 9—53051
Seleznev, V.A., Isaev, E.I., Surguchev, A.N., Kolesnik, L.V., Sidorova, T.Ya. Determination of heterogeneity and prediction of mechanical properties of steel 9—52516
Seleznev, V.A. *see* Azatyan, T.S. 9—100377
Seleznev, V.A. *see* Vereshchagin, I.K. 9—95848
Seleznev, V.N. *see* Pudonin, F.A. 9—56931
Selezneva, E.S. Organization of studies of background air pollution characteristics 9—57531
Selezneva, E.S. Washing out by precipitation and balance of sulphur in the atmosphere of an industrial region 9—100898
Selezneva, N.V. *see* Anokhina, Z.V. 9—67409
Selezneva, V.A. *see* Afanas'eva, V.L. 9—76898
Selezov, I.T., Eliseev, A.N., Kuchugura, A.K., Tsyganov, N.K. Numerical solution of a problem of the hydroelastic opening of a shell in a fluid flow 9—50592
Selezov, I.T., Kornilov, I.E. A method used in the theory of a profile with a jet flap 9—77201
Selezov, I.T. *see* Novak, I.L. 9—77220
Self, A.G. *see* Cowlam, N. 9—73697
Self, S.A. *see* Holve, D. 9—75489, 9—75490
Selfridge, A.R. *see* Desilets, C.S. 9—57194
Selfridge, A.R. *see* Kino, G.S. 9—77033
Selgrade, J.F. Mathematical analysis of a cellular control process with positive feedback 9—66460
Selig, R.F. *see* Nash, R.J. 9—79134
Seliger, J. *see* Kind, R. 9—99313
Seliger, R.L., Ward, J.W., Wang, V., Kubena, R.L. A high-intensity scanning ion probe with submicrometer spot size 9—54225
Seliger, R.L. *see* Vahrenkamp, R.P. 9—68069
Seligman, T.H. *see* Moshinsky, M. 9—58563, 9—92965
Seligman, T.H. *see* Nemes, M.C. 9—67736
Seligson, J., Baumeister, P. Buried diffraction gratings: a phenomenological theory 9—50374
Selikova, N.I. *see* Didkovskaya, O.S. 9—87392
Selikowitz, S.N. *see* Gerhard, G.C. 9—83882
Selim, M.M. *see* El-Shobaky, G.A. 9—65506
Selim, M.M. *see* Youssef, A.M. 9—90887
Selin, A.A. *see* Batyrev, N.I. 9—52132, 9—95948
Selin, E. *see* Standzenieks, P. 9—100471
Selin, V.V. *see* Bletskan, N.I. 9—78867
Seling, T.V. *see* Benvenuti, P. 9—71048
Selinger, B.K. *see* Watkins, A.R. 9—79298
Selitser, S.I. *see* Moiseeva, I.V. 9—78997
Selitskii, Yu.A. Particularity nuclear fission in region of radium and actinium 9—49641
Selivanov, A.S., Naraeva, M.K., Panfilov, A.S., Sinelnikova, I.F., Chemodanov, V.P. Televising of Venus cloudy layer 9—53747
Selivanov, L.V. *see* Kondrashov, G.N. 9—70897
Selivanov, V.I. *see* Grebinnik, V.G. 9—56667, 9—56694, 9—87369
Selivanov, V.I. *see* Gurevich, I.I. 9—56676, 9—91332
Seliverstov, N.M. *see* Gromov, V.E. 9—52532
Seliverstov, V.A. *see* Barnik, M.I. 9—55803
Seliverstov, V.P. *see* Gurylev, V.V. 9—70239
Selke, W., Fisher, M.E. Monte Carlo study of the spatially modulated phase in an Ising model 9—95598
Selke, W. *see* Hornreich, R.M. 9—99716
Selkin, A.V. *see* Ivchenko, E.L. 9—78647
Selkirk, E.B. *see* Norton, P.R. 9—65322, 9—77905
Sell, G.R. Bifurcation of higher dimensional tori 9—67143
Sella, C. *see* Mosseri, R. 9—64996
Sellberg, B. *see* Hagg, G. 9—50942
Sellden, B. *see* Bakken, V. 9—63549

Selle, J.E., Angelini, P., Rainey, R.H., Federer, J.I., Olsen, A.R. Technical consideration of the use of nuclear fuel spikants for proliferation deterrence 9—93716
Selleri, F. *see* Schiavulli, L. 9—67173
Sellers, A.F. *see* Drost, C.J. 9—83872
Sellers, H.L., Schafer, L. Ab initio equilibrium structures of unionized amino acids: alanine 9—68181
Sellger, R. *see* Schiller, W. 9—91028
Sellin, R. *see* Scrivener, O. 9—60034
Sellinschegg, D. *see* Moennich, E. 9—85683
Sellmyer, D.J. *see* Gerber, J.A. 9—73693
Sellmyer, D.J. *see* Gruzalski, G.R. 9—73486, 9—95574, 9—95575
Sellmyer, D.J. *see* Hillenius, S.J. 9—82756
Selloni, A. *see* Car, R. 9—60759
Selloni, A. *see* Casula, F. 9—60901
Sellschop, J.P.F. Recent searches for superheavy elements in nature 9—79845
Sellwood, J.A., James, R.A. Angular momentum redistribution by spiral waves in computer models of disc galaxies 9—53909
Seloudoux, R., Soussen-Jacob, J., Vincent-Geisse, J. Infrared study of the rotational diffusion of allene in carbon sulfide 9—87426
Selov, W., Kononenko, W., Wilsker, B. Fluorescent-wave-shifters and scintillators for calorimeters 9—59303
Selov, Yu.B. *see* Novikov, E.A. 9—77132
Selove, W. *see* Dris, M. 9—49491
Sel'skii, Yu.S. Membrane connection of the cylindrical shell of a vessel with the bottom 9—86341
Seltz, R. *see* Stoquert, J.P. 9—93637
Seltzer, M.S. *see* Clauer, A.H. 9—66113
Seltzer, S.M. *see* Yin, L.I. 9—58250
Selva, J.P. *see* Resch, F.J. 9—84389
Selvadurai, A.P.S. An approximate analysis of an internally loaded elastic plate containing an infinite row of closely spaced parallel cracks 9—68644
Selvaggi, G. *see* Cutts, D. 9—85346
Selvam, A.M., Ramachandra Murty, A.S., Ramana Murty, Bh.V. A numerical technique for simulation of cloud seeding experiments 9—84519
Selvelli, P.L. *see* Cassatella, A. 9—62837
Selvelli, P.L. *see* Faraggiana, R. 9—88698
Selvelli, P.L. *see* Hack, M. 9—71071
Selway, P.R. *see* Kirkby, P.A. 9—94245
Selway, P.R. *see* Thrush, E.J. 9—50293
Selwyn, L. *see* Sanctuary, B.C. 9—64017
Selyakov, V.I. *see* Vargin, A.N. 9—86046
Selytuin, A.E. Strength of protective membranes with circular slits 9—87730
Selzer, L.A., Eguchi, R.T., Hasselman, T.K. Seismic risk evaluation of southern California coastal region 9—84184
Selzer, R.H. *see* Castleman, K.R. 9—92357
Selzle, H.L., Lins, S.H., Schlag, E.W. Application of the collision-complex model to collision-induced intersystem crossing and collisional magnetic quenching of polyatomic molecules 9—50059
Selzle, H.L., Shlag, E.W. Absolute wavelength scan of a laser with microprocessor control 9—94248
Semack, M.G. *see* Abram, I.I. 9—86852
Semack, M.G. *see* Kohl, J.E. 9—51875
Semak, D.G. *see* Turyanitsa, I.I. 9—59781, 9—67415
Semakin, E.V. *see* Gromov, V.E. 9—52532
Semakin, I.G. Vibrational instability of stationary convection of a non-Newtonian fluid 9—94683
Semashko, N.A. *see* Novikov, I.I. 9—51282
Semba, H. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Semchenko, D.P. *see* Nikolaev, A.V. 9—100282
Semchuk, A.Yu., Shenderovskii, V.A. Raman scattering of waves at fluctuations in non-equilibrium semiconductor plasma 9—94299
Semeluk, G.P., Singh, J., Unger, I. The luminescence properties of 2-isopropoxyphenyl-N-methyl carbamate 9—61426
Semenchev, A.F. *see* Surowiak, Z. 9—69794, 9—69795
Semenchinskii, S.G. *see* Pudalov, V.M. 9—88986
Semenchinsky, S.G. *see* Pudalov, V.M. 9—63284
Semenchuk, G.G. *see* Andronenko, L.N. 9—59103
Semenenko, A.I. Theory of ellipsometer measuring zones 9—54171
Semenenko, A.I. Invariants of ellipsometry 9—63295
Semenenko, A.I. Ellipsometry invariants and optical adjustments 9—63296
Semenenko, A.I. *see* Mardezhov, A.S. 9—99453
Semenenko, I.N. *see* Pirogov, Yu.A. 9—83164
Semenenko, K.N., Kravchenko, O.V., Kravchenko, S.E., Polyakova, V.B., Lobkovskii, E.B. Synthesis and structure of scandium borohydride ditetrahydrofuranate 9—51068
Semenenko, K.N. *see* Burnasheva, V.V. 9—100434
Semenenko, L.V. *see* Algazin, Yu.B. 9—65823
Semenenko, L.V. *see* Mardezhov, A.S. 9—99453
Semenikhin, N.M., Zholkovskii, E.K., Bychko, V.A. Dipolophoresis and electrophoresis of a spherical colloidal particle in the presence of a linear grating of cylinders 9—57234
Semenko, N.G., Silin, A.V. Reference materials state service 9—96259
Semenov, A.G. *see* Ankilov, A.N. 9—67455, 9—93270
Semenov, A.N. *see* Gusev, A.A. 9—57871
Semenov, A.P., Volkov, A.V. An automatic X-ray apparatus for monitoring cylindrical articles of small diameter 9—70280
Semenov, A.P. *see* Voronin, N.A. 9—52522
Semenov, A.S. *see* Bessonov, Yu.L. 9—98408
Semenov, A.S. *see* Mironov, Yu.M. 9—50297
Semenov, A.T. *see* Grigor'eva, E.E. 9—59831
Semenov, B.D. *see* Chechko, V.N. 9—52503
Semenov, B.G. *see* Yatsenko, S.P. 9—52163, 9—78932
Semenov, E.P. *see* Kiseleva, K.A. 9—52051
Semenov, G.A., Nikolaev, E.N., Ovchinnikov, K.V. Mass-spectrometric investigation of the gas phase upon PbO-Re_2O_7 9—96354
Semenov, G.A. *see* Stolyarova, V.L. 9—65180
Semenov, L.N., Prokhnich, V.P., Reznichenko, V.A. A machine for investigating the fatigue life of welded structures 9—52566
Semenov, M.V. *see* Brandt, N.B. 9—82752
Semenov, N.N. *see* Gorskii, V.V. 9—100315
Semenov, P.M. *see* Vorzobova, N.D. 9—72536
Semenov, R.I. *see* Eriksonas, K.M. 9—63955, 9—98237
Semenov, R.N. Certain experimental data on the relation between the characteristics of the sea surface and radar returns from it at near-vertical sighting angles 9—57969
Semenov, S.P. *see* Vlasov, N.G. 9—59659
Semenov, S.V. Impact parameters of hadron inelastic interactions at high energies 9—93463
Semenov, V.A. *see* Bershev, E.N. 9—72451, 9—83515
Semenov, V.I. *see* Gangardt, V.A. 9—65136
Semenov, V.K. *see* Gavrilov, N.M. 9—62637
Semenov, V.K. *see* Kandyba, P.E. 9—56400
Semenov, V.K. *see* Vasil'chenko, V.G. 9—97942
Semenov, V.M., Sapiro, V.B. The effect of chromium on the hot cracking resistance of weld metal in the electroslag welding of a CrNiMoV steel 9—87732
Semenov, V.M. *see* Gridnev, K.A. 9—80948
Semenov, V.N., Berman, I.S. Biogeographic aspects of the distribution and dynamics of water masses off the South American coast 9—53363
Semenov, V.N., Frolov, A.A. Crystal growth forms and interface structure 9—61515
Semenov, V.S. *see* Zaika, N.I. 9—67800, 9—80949
Semenov, V.V. *see* Burakov, V.S. 9—90467
Semenov, V.Yu. *see* Krotevich, N.F. 9—53350
Semenov, Yu.G. Quadrupole relaxation transitions of paramagnetic centers due to exchange scattering of carriers 9—73803
Semenov-Ezhov, I.E. Effect of elastic constants on interference fit 9—77031
Semenov-Ezhov, I.E. Simulating contact potentials in compression couplings 9—78156
Semenov-Tyan-Shanskii, M.A. *see* Izergin, A.G. 9—93296
Semenova, A.I., Tsimmerman, S.S. New form of the Tait equation 9—86867
Semenova, E.V. *see* Sil'vestrovich, S.I. 9—60876
Semenova, O.I. *see* Repinskii, S.M. 9—87833
Sementsov, A.F. *see* Chernyshenko, V.Ya. 9—88963
Sementsov, D.I., Morozov, A.M. Magnetooptic interaction of light with ferromagnetic helical structures 9—65843
Sementsov, D.I., Morozov, A.M. Diffraction of light by cylindrical magnetic domains 9—73908
Semenyuk, V.F. *see* Gromov, S.N. 9—60143
Semenyushkin, I.N. *see* Baldin, A.M. 9—72125
Semenza, P. *see* Gatti, E. 9—76274
Semenzato, R. *see* Ipser, J.R. 9—53860
Semerdjiew, S., Tuleschkow, N., Sgurewa, I. Strength properties of thermoplastic foams 9—100219
Semevskii, R.B. *see* Stavrov, K.G. 9—97334
Semiatin, S.L., Piehler, H.R. Deformation of sandwich sheet materials in uniaxial tension 9—57061
Semiatin, S.L., Piehler, H.R. Formability of sandwich sheet materials in plane strain compression and rolling 9—57062
Semibalamut, V.M. *see* Baklanov, E.V. 9—50274
Semibalamut, V.M. *see* Barashev, V.A. 9—94295
Semichev, A.Ya. *see* Bedretdinov, Z.M. 9—55585
Semikolenova, N.A., Nesmelova, I.M., Khabarov, E.N. Investigation of the impurity interaction mechanism in indium arsenide 9—69412
Semikov, G.T. *see* Andreev, A.M. 9—77276
Semilentov, S.A. *see* Baranova, R.V. 9—51066
Semiletov, S.A., Kazhdaev, M.A., Rabadanov, R.A., Ataev, B.M., Shaikov, D.A., Adukov, A.D., Abduev, A.Kh. Relation between the electrical and photoluminescence properties of epitaxial layers of ZnO and their deposition conditions 9—95530
Semiletov, S.A. *see* Khodyrev, Yu.P. 9—55724, 9—65062
Semiletov, S.A. *see* Shaikhov, D.A. 9—56339
Semin, G.K. *see* Ikhenov, D.A. 9—78559
Semin, G.K. *see* Lyubimov, V.S. 9—78561
Semin, S.I. *see* Gel'fgat, Yu.M. 9—90320
Semina, L.A. *see* Gonchar, N.A. 9—92129
Seminara, G. On Rayleigh's criterion for slowly varying flows 9—59966
Seminara, G. The centrifugal instability of a Stokes layer: asymmetric disturbances 9—98686
Seminoshenko, V.P., Sobolev, V., Yatsenko, A.A. Nonequilibrium states of magnons in ferromagnet under nonresonance alternating magnetic field 9—87248
Seminozhenko, V.P. Non-equilibrium properties of superconductors under tunnelling injection 9—56415
Seminozhenko, V.P., Yatsenko, A.A. Phonon fluorescence of metal films and semiconductors stimulated by intense laser radiation 9—87504
Seminozhenko, V.P. *see* Kirichenko, I.K. 9—91194
Semionov, S.G. The localisation of molecular orbitals using the standard density matrix method 9—93911
Semisalov, A.S. *see* Nemirovskii, Yu.V. 9—90152
Semjonov, V.M. *see* Gridnev, K.A. 9—97715
Semkin, V.N. *see* Berlin, A.A. 9—65461
Semkin, V.N. *see* Khursandova, S.M. 9—99885
Semkow, A.M., Rosmus, P., Bock, H., Botschwina, P. Valence and core ionization energies for SiH_4, H_3SiCl and H_3CCl from SCF and PNO-CEPA calculations 9—85890
Semkow, T. *see* Zmijewska, W. 9—57828
Semmingsen, D. *see* Samara, G.A. 9—95700
Semmingsen, D. *see* Samuelsen, E.J. 9—82330
Semmlow, J., Wetzel, P. Dynamic contributions of the components of binocular vergence 9—79550
Semochkin, P.N. *see* Mtskeradze, G.Sh. 9—50254
Semprini, E. *see* Gianturco, F.A. 9—72252
Semrad, D. *see* Lasinger, M. 9—59289
Semura, J.S. *see* Sinha, D.N. 9—81709
Semyanistyi, A.V. *see* Logginov, A.S. 9—59733
Semyannikov, A.A. *see* Yatsenko, S.P. 9—78932
Semyashova, L.M. *see* Boguslavskii, V.A. 9—76543
Sen, A. *see* Karney, C.F.F. 9—64857, 9—75371
Sen, A.C., Bera, S.C., Chowdhury, M. Faraday rotation of rare earth crystal 9—91409
Sen, A.K. Feedback control of a class of plasma instabilities 9—50853
Sen, A.K. A phenomenological theory of drift wave type plasma turbulence 9—73011
Sen, A.K. State feedback for control of multimode plasma instabilities 9—77357
Sen, A.K. The GYROLITE: is it unstable? 9—92649
Sen, A.K., Saha, B., Saha, S.K., Trehan, S.K., Sehra, J.S., Ghosh, R.N. Standardisation and calibration of various equipment by the use of standard frequency transmissions 9—67258
Sen, A.K., Saha, B., Sehra, J.S., Trehan, S.K. Effect of meteor trail ionization on ionospheric propagation of radio signals 9—101001
Sen, A.K., Sehra, J.S., Trehan, S.K., Saha, S.K. Stability of standard transmissions propagated through transionospheric paths 9—84577
Sen, A.K. *see* Bhattacharya, A.B. 9—70842
Sen, A.K. *see* Sarkar, S.K. 9—88550
Sen, D. *see* Balchandani, M.K. 9—54094
Sen, D. *see* Dandwate, V.D. 9—68380
Sen, J. Some properties of magnetic circuits in electromagnetic flowmeters for special use 9—68861
Sen, K.D. Isolectronic changes in the behaviour of nonrelativistic electron density near the nucleus in free ions 9—54768
Sen, K.D. The total Hartree-Fock energy-eigenvalue sum relationship in atoms 9—59338
Sen, K.D. An approximate density equation for isoelectronic changes in atoms 9—72222
Sen, K.D. Variation of core-electron contributions to Mossbauer isomer shift with ionic size 9—73866
Sen, K.D. Isoelectronic energy changes in atomic systems. Two very simple relationships 9—76340
Sen, K.D. Effect of ionic size on the Koopmans' ionization potentials in positive ions 9—85892
Sen, K.D. Orbital binding energies within the statistical exchange approximation: Ne and Ar isoelectronic series 9—85895
Sen, K.D. Slater transition-state calculations of shake-up energies in Ne, Ar, and Kr 9—89651
Sen, N.V. *see* Wolf, K.L. 9—63693
Sen, P.K. *see* Guha, S. 9—56254, 9—65521, 9—82617, 9—99570
Sen, R.N. *see* Rabinovitch, A. 9—97310
Sen, S.C. *see* Sharan, V.B. 9—73976, 9—87473, 9—95834
Sen, S.K. *see* Dutt, M.B. 9—77825
Sen, S.N. Fifty years of Raman spectroscopy 9—49003
Sen, S.N. Interstellar matter 9—53900
Sen, S.N., Ghosh, A.K. Dielectric constant of polar liquids in magnetic field 9—78606
Sen, S.N., Jana, D.C. Momentum transfer collision cross section for slow electrons in magnetic field from radiofrequency conductivity measurements 9—82030
Sen, S.N. *see* Ghosh, A. 9—66360
Sen, S.P. *see* Sengupta, G. 9—56072
Sen Gupta, H.M. *see* Awal, N.A. 9—80908
Sen Gupta, M. *see* Talukdar, B. 9—49105

Sen Gupta, N.D. Eigenvalues and eigenvectors of the exchange interaction Hamiltonian of Heisenberg 9—78289
Sen Gupta, S.P. *see* Nandi, R.K. 9—65335
Sen Gupta, S.P. *see* Pal, S.K. 9—77775
Sen-Hui Chen *see* Chen Sen-Hui
Sena, G. *see* Colombino, A. 9—63711
Sena, L.A., Ryazantseva, O.L. Intermediate-pressure glow discharge in neon 9—55604
Senashenko, V.S. *see* Nikolaev, V.S. 9—54960
Senashenko, V.S. *see* Safronova, J.I. 9—54818
Senashenko, V.S. *see* Safronova, U.I. 9—49993, 9—76368
Senateur, J.P. *see* Beille, J. 9—61120
Senateur, J.P. *see* Madar, R. 9—60499
Senatorov, V.N., Shumilov, O.I., Popov, G.V. Numerical simulation of magnetospheric plasma convection 9—62679
Senatorov, Yu.M. *see* Abil'siitov, G. 9—94254
Senatorova, N.P., Ryzhikov, B.D., Levshin, L.V., Blazhin, V.D. Concentration-dependent effects in the luminescence spectra of organic compounds 9—54885
Senatorova, N.R. *see* Ryzhikov, B.D. 9—64032
Senatorova, O.G. *see* Fridlyander, I.N. 9—83238
Senba, K. *see* Kawai, E. 9—49546, 9—67565
Senbetu, L., Chia-Wei Woo Structure of negative ion in normal liquid ^{3}He 9—86953
Senbetu, L., Woo, C.W. Surface tension and density profile of liquid ^{3}He 9—55997
Sencaj, R.W., Aunon, J.I., McGillem, C.D. Discrimination among visual stimuli by classification of their single evoked potentials 9—92414
Sencaj, R.W. *see* Aunon, J.I. 9—53268
Senchenkov, A.S. Effects of the interaction between radiation and a disintegrating vitreous material 9—94740
Senchenkov, I.K., Karnaukhov, V.G. On the theory of integro-differential type media 9—49040
Senchishin, V.G. *see* Biteman, V.B. 9—95825
Senda, K., Kasai, K., Hamaguchi, C. Repopulation and anisotropy of hot electron in N-type silicon at 77K 9—82600
Senda, K., Shimomae, K., Kasai, K., Hamaguchi, C. Magnetophonon resonance and Fourier analysis in n-GaAs 9—91080
Senda, M. *see* Matsumoto, T. 9—50974
Senda, T., Ichiryu, M., Aibara, M. Effect of impact velocity on fracture surface of mild steel 9—96118
Sendai, S. *see* Yamamoto, H. 9—95989
Sendall, D.M. Minicomputer software for high-energy physics experiments 9—89575
Sendecki, S., Barwinski, B. Photoelectric method of determining fast variations of the work function 9—91561
Senderowicz, D. *see* Dalrymple, M. 9—64428
Senecal, J.A. *see* Tatarczuk, J.R. 9—70620
Senemaud, C., Costa Lima, M.T. K X-ray spectra of amorphous and crystalline silicon 9—87525
Senent, F. *see* Dalmases, F. 9—92399, 9—100549
Senesac, S.L. *see* Baldwin, J.A., Jr. 9—51804
Senft, J.P. *see* Starzak, M.E. 9—62229
Senftle, F.E., Tanner, A.B. Coal analysis by neutron-capture gamma-ray measurement in boreholes 9—52853
Senftle, F.E. *see* Tanner, A.B. 9—53571
Sengers, I. *see* Philipott, J. 9—86010
Sengers, J.M.H.Levelt *see* Levelt Sengers, J.M.H.
Sengers, J.V., Levelt Sengers, J.M.H. Critical phenomena in classical fluids 9—60479
Sengers, J.V., Moldover, M.R. Critical phenomena experiments in space? 9—67278
Sengers, J.V. *see* Basu, R.S. 9—77799
Sengers, J.V. *see* Chang, R.F. 9—55893
Sengers, J.V. *see* Moldover, M.R. 9—58667
Sengoku, S. *see* Ohasa, K. 9—64906
Sengor, A.M.Celal *see* Celal Sengor, A.M.
Sengupta, A.K., Adhikari, S.K., Dasgupta, H.S. Oxofluorotitanates 9—99872
Sengupta, A.K. *see* Dasmahapatra, B.K. 9—59038
Sengupta, G., Ahluwalia, H.S., Banerjee, S., Sen, S.P. Chemisorption of water vapor on zinc oxide 9—56072
Sengupta, P.K., Arya, N.S., Goyal, D.P., Misra, J.N., Mozumder, A., Singh, S., Aggarwal, M.M., Mittra, I.S., Singh, J.B., Sood, P.M. Study of rapidity-gap correlations in 400-GeV/c p-N interactions 9—93471
Sengupta, P.K., Goyal, D.P., Mozumder, A., Singh, S. Azimuthal asymmetry in 400 GeV/c p-N interactions 9—63547
Sengupta, P.K. *see* Mitra, A.K. 9—77670
Sengupta, P.K. *see* Mozumder, A. 9—93469
Sengupta, P.R., Acharya, D. The influence of gravity on the propagation of waves in a thermo-elastic layer 9—94544
Sengupta, P.R., Chakrabarti, J. Some problems of micropolar theory of elasticity. I. Lamb's problem—line load suddenly applied on a micropolar elastic half space 9—98614
Sengupta, P.R. *see* Acharya, D.P. 9—94527
Sengupta, P.R. *see* Bhattacharyya, S. 9—62445
Sengupta, S. *see* Chakrabarti, S.K. 9—77698
Sengupta, S. *see* Ghosh, S. 9—99276
Sengupta, S. *see* Mehta, S.K. 9—87501
SenGupta, S.N. *see* Guharay, S.K. 9—98894
Sengupta, S.S. Probabilities in quantum theory and probability theory 9—97223
Sengupta, U.K. *see* Gerlach, U.H. 9—71322
Senior, M. *see* Champion, J.V. 9—92012
Senitzky, I.R. Semiclassical radiation theory within a quantum-mechanical framework 9—75705
Senitzky, I.R. *see* Agmon, D. 9—63145
Senjanovic, G. Spontaneous breakdown of parity in a class of gauge theories 9—75681
Senjanovic, G. *see* Mohapatra, R.N. 9—63371, 9—75697
Senjanovic, P. *see* Green, M.B. 9—58875
Senjanovic, P. *see* Pak, N.K. 9—67504, 9—93339
Senk, J., Gregor, J. High-temperature arc heating of gas 9—68958
Senkan, S.M. *see* Machbitz, M. 9—85596
Senkevich, A.A. *see* Pasternak, V.E. 9—82022
Sen'kov, O.N. *see* Kuz'min, S.L. 9—91735
Sen'kov, O.N. *see* Likhachev, V.A. 9—83257
Sen'kov, O.N. *see* Myshlyaev, M.M. 9—77603, 9—90670
Senkov, P. *see* Belogurov, V. 9—67819
Senmoto, S. *see* Bigi, F. 9—90031
Senn, A. *see* Eber, N. 9—58737
Senner, A.E. *see* Birulev, V.K. 9—67547
Sennhauser, U. *see* Engfer, R. 9—85497
Sennitskii, V.L. Liquid flow around a self-propelled body 9—86399
Seno, M. *see* Iwamoto, K. 9—83441, 9—83442
Seno, Y. *see* Irisawa, J. 9—86598
Seno, Y. *see* Murase, H. 9—55544
Senokosov, E.A., Usatyi, A.N. Residual conductivity of zinc telluride films 9—91173
Senokosov, E.A. *see* Dudenkov, A.V. 9—78708
Senoo, M. *see* Enomoto, S. 9—75491
Senopal'nikov, V.M. *see* Golovanov, A.L. 9—52192
Sens, A.F.C. *see* Boeschoten, F. 9—90493
Sens, J.C. *see* Jostlein, H. 9—89310
Senseny, P.E., Lindberg, H.E., Kennedy, T.C. A machine for static and dynamic triaxial testing 9—83407
Senterfit, R.M. *see* Hoover, D.B. 9—84097
Sentman, D.D. *see* Kurth, W.S. 9—84590
Sentman, D.D. *see* Thomsen, M.F. 9—75143
Sentschilo, J.Ja. *see* Berlin, A.A. 9—56951
Senturk, N.H. *see* Robinson, D.B. 9—95149
Senulis, F. *see* Baubinas, R. 9—65408
Senulis, F.D. *see* Baubinas, R.V. 9—56267
Senuma, N. *see* Itoh, K. 9—92309
Senyei, Zs. *see* Karger-Kocsis, J. 9—66154
Seo, K., Okawa, M., Sugamoto, A. Dual transformation in non-Abelian gauge theories 9—85234
Seo, K. *see* Kobayashi, H. 9—88291
Seo, K. *see* Shima, E. 9—66654
Seo, T., Hayashi, T. Angular correlations for γ-γ cascades in ^{147}Pm 9—63624
Seo, T., Hayashi, T., Miyatake, Y., Aoki, K. Energy levels and γ-ray transitions in ^{147}Pm 9—67655
Seo, T., Shinohara, K., Kumada, K. Transmission electron microscopy observations of recrystallization process in austenitic heat resisting steel 9—52269
Seong Yun Kim *see* Chang Hyun Chung 9—76060
Seong Yun Kim *see* Soo Hyun Shu 9—54468
Seoudi, B., Doyennette, L., Margottin-Maclou, M., Chakroun, A., Hentry, L. Temperature dependence of vibration-vibration energy transfer in HBr-CO_2 and HBr-N_2O systems 9—59539
Seplyarskii, B.S. *see* Aldushin, A.P. 9—79222
Sepold, L.K. *see* Cook, T.F. 9—89443
Sepp, W.-D. *see* Hartung, H. 9—72269
Seppala, L.G. Lens design and the ghost focus problem in fusion lasers 9—86247
Seppanen, S. Image intensifier tomofluorography. Experimental evaluation and clinical potentialities 9—62331
Seppi, E. *see* Alvarez, R. 9—66540
Septoff, M. *see* Brunton, L.J. 9—52981
Sepucha, R. *see* Breaux, H. 9—94303
Sepucha, R.C. *(editor)* Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol.142. Optical Properties of the Atmosphere 9—66794
Sepulchre, M.O. *see* Spassky, N. 9—66438
Sequeira, R., Kelkar, D. Geochemical implications of summer monsoonal rainwater composition over India 9—53473
Serafimov, K., Gogoshev, M., Gogosheva, Ts. Models of the nighttime vertical distribution of the λ 6300 Å emission 9—53602
Serafini, A., Poilblanc, R., Labarre, J.-F., Barthelat, J.-C. Non-empirical pseudopotentials (PSIB-MOL algorithm) for molecular calculations: the $Rh_2Cl_2(CO)_4$ complex 9—76335
Serago, C. *see* Gur, D. 9—59285
Seraj-ud Doulah, M. A diffusion model to explain the increase of reaction rate in ultrasonic cavitation 9—96312
Seraphin, B.O. Spectrally selective surfaces and their impact on photothermal solar energy conversion 9—74519
Seraphin, B.O. Chemical vapor deposition of spectrally selective surfaces for high-temperature photothermal conversion 9—79400
Seraphin, B.O. Chemical vapor deposition of spectrally selective surfaces for high temperature photothermal conversion 9—79403
Seraphin, B.O. *see* Carver, G.E. 9—52119
Seraphin, B.O. *see* Janai, M. 9—52035
Seraphin, B.O. *(editor)* Solar energy conversion. Solid-state physics aspects 9—74518
Serapinas, L.D., Shalkauskas, Yu.S. Plasma radiation and some problems in spectral analysis 9—55475
Serapinas, P.D. *see* Kaulakis, B.P. 9—85938
Seravkina, N.K. *see* Orlov, L.N. 9—55158
Serban, T. *see* Nasta, L. 9—90542
Serbin, V.I. *see* Baksht, F.G. 9—77430, 9—77431
Serbinov, I.A. *see* Kalafati, Yu.D. 9—73549
Sercely, R.R., Peterson, R.J., Smith, P.A. The proton shell closure at ^{14}C 9—80871
Serdobova, L.I., Voronov, V.S. Analysis of rocks on a DFS-36 quantometer with analysis of measurement results on an ES-1020 electronic computer 9—70392
Serduchenko, J.N. *see* Hamal, K. 9—49314
Serdykin, F.V., Belobragin, Yu.A., Sergeev, N.N., Sotov, I.N., Nikiforov, A.V. Influence of electrical parameters of diamond electrochemical cutting on the creep strength of titanium alloy VTZ-1 9—96081
Serdyuk, N.P. *see* Shapovalov, V.I. 9—52153
Serdyuk, V.A. *see* Grinberg, N.M. 9—87728, 9—91796, 9—91800
Serdyuk, V.V., Chebanenko, A.P., Chemeresyuk, G.G. Mechanism of current flow in the MSM-structure on the ZnSe:Al single crystals base 9—78208
Serdyukov, V.M. *see* Evsyukov, F.F. 9—66247
Serebov, V.N., Eikhvald, A.I., Mokhin-Blinov, O.V. Formation of the channel in a pulsed discharge in argon at medium pressures 9—64945
Serebrennikov, V.A. *see* Kuznetsov, A.N. 9—69743
Serebrennikov, V.L. *see* Krasnikov, V.S. 9—56712
Serebrennikov, V.V. *see* Cherkasova, T.G. 9—83346
Serebrenyi, G.A. *see* D'yachenko, V.V. 9—55482
Serebrenyi, G.A. *see* Gladkovskii, I.P. 9—98927
Serebriyskiy, Ya.M. *see* Bokser, V.D. 9—77165
Serebrov, A.P. *see* Altarev, I.S. 9—67551, 9—75775
Serebryakov, B.Ye. *see* Nikitin, M.A. 9—62649
Serebryakov, V.A. *see* Kryzhanovskii, V.I. 9—76861
Serebryakov, V.A. *see* Mak, A.M. 9—89971
Serebryakov, V.A. *see* Papernyi, S.B. 9—59837
Serebryakov, V.V. *see* Basharova, V.N. 9—90297
Serebryakov, V.V. *see* Polyakov, V.L. 9—88375
Serebryakova, N.A. *see* Aleksandrov, V.N. 9—95451
Serebryakova, T.I. *see* Samsonov, G.V. 9—94985
Sereda, B.P. *see* Berg, N.A. 9—87428
Sereda, B.P. *see* Leont'eva, I.A. 9—100116
Sereda, G.E. *see* Dubasov, B.G. 9—71489
Sereda, N.N. *see* Gavrilenko, A.P. 9—70016
Sereda, Yu.P., Svechkarev, I.V. Magnetic susceptibility of the ω-phase of Cd-Hg alloys 9—87231
Seredenko, E.V. *see* Burtsev, V.A. 9—64887, 9—72475
Seredkina, F.I. *see* Presnyakov, A.A. 9—87790
Seredkina, N.G. *see* Kostyukov, V.V. 9—100899
Serednyakov, A.V. *see* Popov, V.N. 9—95230
Seregin, A.G. *see* Levin, B.M. 9—97350
Seregin, E.I., Zaitsev, B.L. Calculation and experimental determination of corrections for diffraction in the pulse mode 9—52568
Seregin, P.P., Nasredinov, F.S., Seregina, L.N., Vasil'ev, L.N., Kostikov, Yu.P., Turaev, E.Yu. Electron spectra of crystalline and vitreous As_2S_3, As_2Se_3, As_2Te_3, AsSI, AsSeI, and $As_4Te_5I_2$ 9—65979
Seregina, L.N. *see* Bakhtiyarov, A.Sh. 9—87636
Seregina, L.N. *see* Seregin, P.P. 9—65979
Seregina, N.G. *see* Dorman, L.I. 9—84604
Serego, S.Di *see* Di Serego, S.
Serego-Alighieri, S.Di *see* Di Serego-Alighieri, S.
Sereni, J.G., Huber, T.E., Luengo, C.A. Low temperature specific heat of Th-Gd spin glass 9—51795
Serenkov, V.I. *see* Fursova, K.S. 9—52295
Serensen, S.V., Zaitsev, G.P. Dual character of failure of reinforced-plastic components subject to short-term tensioning 9—61725
Sereny, A., Castelli, V. Numerical solution of reynolds equation with slip boundary conditions for cases of large bearing number (Λ>300) 9—90197
Sereryanyi, G.Z. *see* Mishina, L.V. 9—59965
Seres, Z. Boyle-Mariotte's rule to measure internal gas volume of devices and other elements 9—49196
Seres, Z. *see* Albrecht, D. 9—75985
Serezhechkina, Yu.N. *see* Korshak, V.V. 9—57307
Serezhnikova, E.V. *see* Artemov, V.M. 9—52659
Sergeenkov, S.I. *see* Vinogradov, G.V. 9—50690
Sergeenkova, E.A. *see* Dashuk, P.N. 9—55600
Sergeev, A.A. *see* Dremin, M.M. 9—98949
Sergeev, A.B. *see* Bessonov, Yu.L. 9—98408
Sergeev, A.I., Naidich, V.I., Bunto, T.V. Investigation of the kinetics of development of ascites tumors by the proton magnetic relaxation method 9—70578
Sergeev, A.M. *see* Markov, G.A. 9—77375
Sergeev, A.V. *see* Dorman, L.I. 9—84606
Sergeev, A.V. *see* Dvornikov, V.M. 9—80139
Sergeev, F.M. *see* Biryukov, Yu.A. 9—89332
Sergeev, G.I. *see* Moskalev, V.A. 9—97915
Sergeev, I.A. *see* Aleksandrov, E. 9—93166

Sergeev, L.V. *see* Kompalova, L.A. 9—72729
Sergeev, M.A. *see* Kuznetsov, G.M. 9—63206
Sergeev, N.A., Falaleev, O.V., Lundin, A.G. Use of moments of NMR spectra to investigate crystals 9—60239
Sergeev, N.A., Falaleev, O.V., Lundin, A.G. Calculation of the second moments of the NMR spectra of heteronuclear spin systems 9—73836
Sergeev, N.N. *see* Serdykin, F.V. 9—96081
Sergeev, P.A. *see* Gan, M.A. 9—76616
Sergeev, V.A. *see* Bakumenko, O.D. 9—97869
Sergeev, V.M., Leonyuk, N.I. Capture centres in yttrium-aluminium borate crystals 9—65935
Sergeev, V.M., Leonyuk, N.I., Belov, N.V. Thermoluminescence analysis of yttrium-aluminum borate crystals 9—87514
Sergeev, V.N. *see* Shapochkin, B.A. 9—52118
Sergeev, V.N. *see* Zakharov, B.G. 9—80858
Sergeev, V.O. *see* Adam, J. 9—93556
Sergeev, V.O. *see* Grigor'ev, E.P. 9—93520
Sergeev, V.V. *see* Kononenko, A.S. 9—52397, 9—82819, 9—95977
Sergeev, V.V. *see* Zamoshkina, N.P. 9—49260
Sergeev, Yu.A. *see* Gupalo, Yu.P. 9—68798
Sergeeva, G.G. *see* Bakai, A.S. 9—69727
Sergeeva, L.M. *see* Andreev, A.M. 9—77276
Sergeeva, L.M. *see* Kiparisov, S.S. 9—100267
Sergeeva, L.V. *see* Gol'dshtein, Ya.E. 9—83270
Sergeeva, N.A. *see* Krynin, L.I. 9—81581
Sergeeva, N.M. *see* Gol'tsman, F.M. 9—74857
Sergeeva, T.K., Sorokin, A.N. Procedure for cleaning strongly oxidized breakdown surfaces for investigation under electron microscope 9—70242
Sergeeva, V.M. *see* Abdikamalov, B.A. 9—95333
Sergeeva, V.M. *see* Shubin, V.I. 9—83162
Sergent, A.M., Merz, J.L., Logan, R.A. Loss measurement in p-type GaAs dielectric waveguides using Raman scattering 9—81539
Sergent, M. *see* Chevrel, R. 9—65056, 9—73619
Sergeyenko, E.S. *see* Alemasov, V.Ye. 9—94700
Sergeyev, P.A., Sintsov, V.N. Test of holographic method of measuring two-dimensional transfer functions of objectives 9—50253
Sergeyev, V.L., Veselov, V.P. Heat exchange between a blunt body and a high-temperature gas jet with varying parameters 9—77103
Sergiampeitri, F. *see* Apel, W.D. 9—89195
Sergiampietri, F. *see* Apel', V.D. 9—89194
Sergiampietri, F. *see* Apel, W.D. 9—54361, 9—75800, 9—93464
Sergiampietri, H.M. *see* Apel, W.D. 9—58978
Sergienko, E.K. *see* Larin, Ye.A. 9—88453
Sergienko, V.F. *see* Konorova, E.A. 9—77630
Sergienko, V.I., Ignatieva, L.N., Bogdan, S.F. Temperature dependence of integrated intensity bands in IR-absorption spectra of $(NH_4)_2AF_6$ complexes 9—73946
Sergienko, V.I., Ignatieva, L.N., Gordienko, P.S., Eiberman, M.F., Bogdan, S.F. Temperature dependence of integrated intensities of vibrational bands in M_2GeF_6 IR-absorption spectra 9—73945
Sergienko, V.I., Ignatieva, L.N., Mirochnik, A.G. Outer-sphere interaction in hexafluorocomplexes of elements of group IV with cations of alkali metals and ammonium 9—73944
Sergin, V.Ya. Numerical modeling of the glaciers-ocean-atmosphere global system 9—84469
Sergolle, H. *see* Hubert, P. 9—63577
Sergolle, H. *see* Roulet, C. 9—75854
Sergushin, N.P. *see* Domashevskaya, E.P. 9—64044, 9—99984
Sergveev, A.B. *see* Mironov, Yu.M. 9—50297
Series, G.W. *see* Hansch, T.W. 9—72267
Serikov, A.A., Khomenko, Yu.M. The reabsorption mechanism of the donor-acceptor energy transfer 9—78041
Serikov, I.N. *see* Artemov, K.P. 9—63688
Serikov, M.I., Ivanov, V.P., Emel'yanov, Yu.A., Zaitsev, A.I., Pruchkin, V.A. Effect of vibration and current pulses on the shaping of powder mixtures 9—95973
Serikov, V.K. *see* Derban, V.I. 9—81706
Serikov, V.V. *see* Shur, Ya.S. 9—70176
Serikova, G.N. *see* Lisitsyn, V.M. 9—65079
Serimaa, O.T. *see* Minogin, V.G. 9—98045
Serinko, R.J. *see* Herman, R.M. 9—69011
Serio, M. *see* Bassetti, M. 9—68081, 9—72066
Serita, Y. Effect of hydrogen charging on nodularizing efficiency of rare earth alloy used in treating cast iron 9—91714
Serkiz, A.V. *see* Zorii, V.I. 9—49228
Serkowski, K. *see* McLean, I.S. 9—97008
Serkowski, S., Pawlowski, S. Refractory materials on the basis of corundum and graphite 9—70137
Serlemitsos, P. *see* Rothschild, R. 9—58248
Serlemitsos, P.J. *see* Giacconi, R. 9—70941
Serlemitsos, P.J. *see* Marshall, F.E. 9—71153
Serlemitsos, P.J. *see* Mushotzky, R.F. 9—101196
Serlemitsos, P.J. *see* Pravdo, S.H. 9—92889
Serlemitsos, P.J. *see* Rose, L.A. 9—92890
Serlin, V. *see* Adler, R.J. 9—71990
Sermage, B., Fishman, G. Resonant Brillouin scattering of polaritons in ZnSe: Heavy and light excitons 9—99898
Sermage, B., Voos, M. Exciton energy at 300K in direct-gap semiconductors from luminescence reabsorption 9—78728
Serna, J. *see* Pareja, R. 9—60384
Sernas, V. Heat transfer correlation for subcooled water films on horizontal tubes 9—77114
Serne, R.J. *see* Burkholder, H.C. 9—49714
Sernelius, B., Berggren, K.-F. Origin of negative magnetoresistance in heavily doped n-type silicon and germanium 9—95423
Sernetz, F. *see* Lerf, A. 9—87180
Sernetz, M., Hannibal-Friedrich, O., Chun, M. Determination of radial concentration gradients in oxirane-acrylic beads by microinterferometry and microfluorometry 9—100799
Seroka, J. *see* Dusza, J.J. 9—68849
Seroka, M. *see* Calusinski, B. 9—71472
Serot, B.D. Semileptonic weak and electromagnetic interactions with nuclei: parity violations in electron scattering and abnormal-parity admixtures in nuclear states 9—75977
Serot, B.D. A relativistic nuclear field theory with π and ρ mesons 9—93527
Serov, A.Ya., Sychev, B.S. Measurement of energy spectra of secondary protons behind thick lead absorber during irradiation with 635-MeV protons 9—97708
Serov, O.B., Smolovich, A.M., Sobolev, G.A. Reduction of resolving power requirements of photographic materials used in obtaining reflection holograms 9—59658
Serov, R.V. *see* Amosov, A.A. 9—89976
Serov, R.V. *see* Brodov, M.E. 9—98427
Serov, R.V. *see* Vlasov, D.V. 9—64265, 9—86224
Serov, Yu.L., Yavor, I.P. Anomalous-dispersion methods for the analysis of spatially inhomogeneous objects 9—63303
Serov, Yu.L. *see* Mishin, D.I. 9—82014
Serozhiamp'etri, F. *see* Apel', V.D. 9—67609
Serpa, D.P. *see* Flynn, C.R. 9—59224
Serpe, J. *see* Beckers, J. 9—85239
Serra, A. The dB in audio frequency 9—54092
Serra, A. Observed and calculated wavelength-dependence of visual depth-of-field: a discrepancy 9—62240
Serra, A. An infrared presence detector 9—67389
Serra, A., Mascia, C. Color discrimination of 57 congenital color defectives under different illuminants 9—79544
Serra, A., Mascia, C., Dessy, C., Casti, R. Congenital color defectives across young Sardinian population 9—62255
Serra, A., Simonelli, C. Study of parameters which affect relative variance of the distribution function of events detected in pulse measuring systems 9—63880
Serra, A., Simonelli, C., Tarin, U. Dependence of temporal distribution function of detected events from BF_3 detector aging 9—63872
Serra, A. *see* Rotondi, E. 9—63879
Serra, E.C.B.de *see* de Serra, E.C.B.
Serra, G., Boisse, P., Gispert, R., Wijnbergen, J., Ryter, C., Puget, J.L. Far infrared diffuse emission from the galactic plane. II. The longitude profile 9—88742
Serra, R. *see* Mazzanti, P. 9—49524
Serra-Mestres, F. *see* Aymerich-Humet, X. 9—51656
Serrallach, E.N. *see* Schor, R. 9—70510
Serrano, C. *see* Baglin, J. 9—99376
Serratrice, G. *see* Delpuech, J.-J. 9—65749
Serre, Ch. *see* Baribaud, G. 9—72209
Serreta, A.B. New units in radiology 9—62365
Serruys, M. Passage of chemical energy to work or to electrical energy 9—52954
Sersic, J.L., Calderon, J.H. Annular structures in barred galaxies 9—75271
Servant, C. *see* Politi, A. 9—66217
Servant, Y. Magnitude and the microwave Faraday effect related to conduction electron spin resonance of lithium 9—99855
Server, W.L. Compliance correction for determining load-line energies for compact fracture toughness specimens 9—57186
Server, W.L., Wullaert, R.A. The use of small specimen strength ratio for measuring fracture toughness 9—70143
Servoin, J.L., Gervais, F. Soft vibrational mode in $LiNbO_3$ and $LiTaO_3$ 9—87407
Servoin, J.L. *see* Luspin, Y. 9—95750
Servranckx, R.V., Brown, K.L. Chromatic corrections for large storage rings 9—72106
Sery, G.E., Chanin, L.M. AC cataphoresis measurements 9—60096
Serykh, G.M. *see* Pozdnyak, N.Z. 9—61533
Seryshev, S.A. *see* Afanas'ev, M.L. 9—69287
Seryugin, A.L. *see* Martynov, I.S. 9—85202
Serzhant, A.A. *see* Voevodin, V.P. 9—70221
Sesay, L.J. *see* Barnes, J.C. 9—51081, 9—51082
Seshadri, K.S. *see* Petrakis, L. 9—72449
Seshadri, S.R. Effect of periodic surface corrugation on the propagation of Rayleigh waves 9—50484
Seshadri, V., Kenkre, V.M. Time-dependent effective rates for molecular processes 9—63928
Seshadri, V. *see* Bulsara, A.R. 9—85079
Seshadri, V. *see* Sharma, R.S. 9—77189
Seshadri, V. *see* West, B.J. 9—85078
Seshagiri Rao, S.V. *see* Bhimasankaram, V.L.S. 9—58106
Seshagiri Rao, T. *see* Ramana Murthy, S. 9—87301
Seshagiri Rao, V. *see* Lakshminarayana, S. 9—80900
Seshagiri Rao, V. *see* Srinivasa Rao, M. 9—49609
Seshan, K. Observations on the development of secondary defects in heavily damaged ion-implanted (100) and (111) silicon 9—51166
Seskin, E.P. *see* Lave, L.B. 9—97177
Sesol, N.Q. *see* Mazarakis, M.G. 9—72133
Sessa, M. *see* Alberi, G. 9—63509
Sessa, M. *see* Barone, L.M. 9—80835
Sesselmann, R. *see* Goetz, J. 9—94327
Sesselmann, W., Kotthaus, J.P. Spectroscopic determination of the energy gaps in the inversion layer band structure on vicinal planes of Si (001) 9—82658
Sessions, M. *see* Patzert, W.C. 9—84517
Sessions, M.H. *see* Knox, R.A. 9—88482
Sessler, G.M., West, J.E. Population and temperature shift of TSC peaks of electron-beam-charged Teflon FEP 9—82914
Sessler, G.M. *see* Gross, B. 9—69616
Sessoms, A.L., Goodman, M.S., Holcomb, L., Sadowski, E.S., Strominger, A., Eisenstein, B., Holloway, L.E., Wroblicka, W.T., Wright, S.C., Kephart, R.D. The segmented calorimeter: A study of hadron shower structure 9—63870
Sestak, J. *see* Simsova, J. 9—51575
Sestili, I. *see* Amaldi, E. 9—71771
Seta, K. *see* Naito, K. 9—67302
Seth, A., Baerends, E.J. Compton profiles of aqueous solutions of LiCl 9—78783
Seth, A., Singru, R.M. Positron wavefunction in TiC 9—99512
Seth, A.K. *see* Mathur, S.S. 9—62148
Seth, A.K. *see* Sodha, M.S. 9—59980
Seth, K.K. *see* Balestri, B. 9—75794, 9—85530
Seth, K.K. *see* Ray, L. 9—63669
Seth, S. *see* Gmuer, K. 9—67836
Seth, S. *see* McCombie, C. 9—81037
Sethi, B. *see* Bhattacharyya, P. 9—67713
Sethi, B.R., Mathur, P.C., Woods, J. Galvanomagnetic and thermopower studies in heavily compensated zinc selenide crystals 9—51600
Sethi, B.R. *see* Mathur, P.C. 9—65490, 9—78098, 9—91079, 9—99548
Sethi, P.K., Udawat, M.P., Kasliwal, S.C., Chandra, R. Vulcanized rubber foot for lower limb amputees 9—74791
Sethi, R.S. Electrocoating from molten salts 9—83394
Sethia, G., Chandra, H., Deshpande, M.R., Rastogi, R.G. A numerical model for low-latitude ionospheric TEC 9—88531
Sethia, G., Chandra, H., Deshpande, M.R., Rastogi, R.G. Faraday rotation measurements at Ootacamund 9—88533
Sethia, G., Chandra, H., Rastogi, R.G. TEC from group delay measurements near magnetic equator (Ootacamund) 9—101006
Sethia, G. *see* Jain, A.R. 9—84576, 9—88539
Sethia, G. *see* Rastogi, R.G. 9—75028
Sethian, J.D., Meger, R.A., Spector, D.N., Mahaffey, R.A. Collective ion acceleration produced by injecting a rotating relativistic electron beam into neutral hydrogen 9—76167
Sethian, J.D., Robson, A.E. The use of relativistic electron beams to create magnetically confined plasmas inside imploding liners 9—60175
Sethna, P.P., Williams, D. Optical constants of alcohols in the infrared 9—91421
Sethu Raman, S., Tuthill, W.A. Response characteristics of a new bidirectional vane 9—66814
Sethu Raman, S., Tuthill, W.A., McNeil, J. Instrumentation and data acquisition system for an air-sea interaction buoy 9—66813
Sethuraman, J., Sirohi, R.S. Use of conformal transformation in Fraunhofer diffraction 9—76585
Sethuraman, J., Sirohi, R.S. Dispersion relations in Fraunhofer diffraction 9—81356
Sethuraman, R. *see* Papa, F.F. 9—92215
Sethuraman, S., Brown, R.M., Raynor, G.S., Tuthill, W.A. Calibration and use of a sailplane variometer to measure vertical velocity fluctuations 9—88480
Seto, M. *see* Yamakawa, H. 9—79733
Setoguchi, M. Crystal growth of γ_{II}-Li_2ZnSiO_4 by flux method 9—95917
Setrajcic, J. *see* Stojanovic, S.D. 9—56131
Setser, D.W. *see* Kolts, J.H. 9—100344
Setser, D.W. *see* Tamagake, K. 9—100345
Setser, D.W. *see* Velazco, J.E. 9—63953
Sette, D. *see* Scudieri, F. 9—55654, 9—95137
Setti, G., Woltjer, L. Quasar number counts and the X-ray background 9—75294
Settle, M., Head, J.W., III. The role of rim slumping in the modification of lunar impact craters 9—84689
Settles, R. *see* Blietschau, J. 9—93396
Setton, A., Setton, R. AIDED, a program for the automatic indexing of epitaxic derivatives; application to the graphite lamellar compounds 9—50927
Setton, R. *see* Setton, A. 9—50927

Setty, C.S.G.K. *see* Aggarwal, K.M. 9—80079, 9—98857
Seung Hong Hong *see* Hong Seung Hong
Seung-Am Cho Thermal vibration amplitude of atoms and fusion behavior of metals 9—69218
Seung-Am Cho, Puerta, M. Effect of Ti on sinterability of 70% Al_2O_3-30% Cr cermets 9—61552
Seuret, D. *see* Romeo, N. 9—95483
Seurin, P. *see* Guillon, D. 9—55659
Seuron, P., Solladie, G. Determination of the cholesteric screw sense by the droplet method 9—90544
Sevast'yanov, R.M., Zykov, N.A. Transfer coefficients of monatomic gases in the temperature range 100-3000K 9—82021
Sevc, J. *see* Kunz, E. 9—79605
Sevchenko, A.N. *see* Dvornikov, S.S. 9—70522, 9—89706
Sevchenko, A.N. *see* Koyava, V.T. 9—87505
Sevchenko, A.N. *see* Pyatosin, V.E. 9—85988
Sevchenko, A.N. *see* Volod'ko, L.V. 9—85185
Sever, R. *see* Angelini, C. 9—67548
Severac, C. *see* Politi, A. 9—66217
Severdenko, V.P. *see* Vereshchagin, M.N. 9—96046
Severin, C.S., Chen, C.W., Stassis, C. Neutron-diffraction study of the magnetic structure of MnPt alloys 9—91210
Severin, F. *see* Henry, A. 9—72391
Severin, P.J. Isotope separation by chemical vapour deposition and related processes 9—50148
Severin, P.J. Calorimetric measurements of weakly absorbing materials: theory 9—76773
Severin, P.J. Calorimetric measurement of the coefficients of absorption of optical glass and optical fibres 9—76774
Severne, G. *see* Parisot, J.-P. 9—62877
Severyanina, E.N. *see* Dakhtyar, I.Ya. 9—91527
Severyn, J., Parker, J. Fiber optics in Shiva 9—85804
Sevillano, J.Gil *see* Gil Sevillano, J.
Sevost'yanov, M.A., Tomashpol'skii, Yu.Ya. Epitaxial vacuum condensates of $BaTiO_3$ 9—95290
Sevost'yanov, M.A. *see* Tomashpol'skii, Yu.Ya. 9—66391, 9—74069
Sevruk, A.I. *see* Ibraev, G.K. 9—94509
Sevruk, B.B., Gusak, N.A. Calculation of distortions of the controlling field in deflectors with cylindrical electrodes 9—98493
Sevsek, F. *see* Hanzel, D. 9—56627, 9—56628, 9—78591
Seward, B.R. Modification of a Unilab VLF oscillator [teaching] 9—62977
Seward, F. *see* Giacconi, R. 9—70941
Seward, T.P., III *see* Borrelli, N.F. 9—61331
Sewell, G.L. Stability, equilibrium and metastability 9—54070
Sewell, J.E. *see* Popplewell, N. 9—55264
Sewerynski, M. On invariant amplitudes for the vector meson photoproduction off nucleons 9—63488
Sexl, R. Space-time-matter. New considerations of the theory of relativity 9—58615
Sexton, A. *see* Psaltis, D. 9—72517
Sexton, B.A. Vibrational spectrum of carbon monoxide chemisorbed on a copper (100) surface 9—69347
Sexton, B.A. The structure of acetate species on copper (100) 9—98232
Seya, K. *see* Okajima, S. 9—60527
Seyb, S.M. *see* Hammond, S.R. 9—88243
Seybert, A.F., Crocker, M.J. The effect on input cross-spectra on the estimation of frequency response in certain multiple-input systems 9—55261
Seybold, P.G. *see* Meyers, M.L. 9—61429
Seydel, H.G. *see* Schlager, B. 9—88159
Seydel, U., Kitzel, W. Thermal volume expansion of liquid Ti, V, Mo, Pd, and W 9—90802
Seyfarth, H. *see* Van den Cruyce, J.M. 9—93491
Seyfarth, H. *see* Wust, N. 9—54439
Seyfert, H. *see* Barnham, K.W.J. 9—85293
Seyfert, H.H. *see* Blietschau, J. 9—93396
Seyfert, P. *see* Bon Mardion, G. 9—60574
Seyfert, P. *see* Mardion, G.B. 9—60565
Seylaz, J., Pinard, E., Dittmar, A., Birer, A. Measurement of blood flow, tissue pO_2 and tissue pCO_2 continuously and simultaneously in the same structure of the brain 9—57829
Seylaz, J. *see* Meric, P. 9—83912
Seyler, R.G., Weller, H.R. Angular distribution theory for particle-capture-γ reactions 9—93571
Seymour, B.R., Mortell, M.P. Second order hyperbolic equations with small nonlinearities 9—49063
Seymour, B.R. *see* Mortell, M.P. 9—72948
Seymour, M.D., Schubert, S.A., Clayton, J.W., Fernando, Q. Variations in the acid content of rain water in the course of a single precipitation 9—57990
Seyranian, A.P. Homogeneous functionals and structural optimization problems 9—98619
Seyzeriat, Y. *see* Pasteur, J. 9—86300
Seze, L.de *see* de Seze, L.
Sezgin, E. Pole-dominance model for nonleptonic charm decays 9—63475
Seznec, R., Zinn-Justin, J. Summation of divergent series by order dependent mappings: application to the anharmonic oscillator and critical exponents in field theory 9—88819
Sforza, P.M., Stasi, W. Wind power distribution, control, and conversion in vortex augmentors 9—83554
Sgamellotti, A. *see* Clark, D.T. 9—89604, 9—97982
Sgurewa, I. *see* Semerdjiew, S. 9—100219
Sha, W.T., Soo, S.L. On the effect of P nabla α term in multiphase mechanics 9—90314
Sha, W.T. *see* Domanus, H.M. 9—59143
Sha, W.T. *see* Lin, E.I.H. 9—59142, 9—71887, 9—90213
Shaaban, H.I. *see* Hammad, F.H. 9—65200
Sha'afi, R.I. *see* Naccache, P.H. 9—88095
Shabaev, Sh.Kh. Improving the accuracy of on-off temperature regulators 9—75527
Shabalin, V.N., Fridman, L.N., Radchenko, V.G., Tov, G.M. Influence of chemical composition of bimetal on magnitude of residual stresses 9—74183
Shaban, A.M., Stewart, N.M., Macmahon, T.D. Relative intensities of gamma transitions in the decay of ^{56}Co 9—97930
Shabanin, V.V. *see* Vol'berg, Yu.L. 9—70248
Shabanov, M.F. *see* Dudinov, V.N. 9—96925
Shabanov, V.F. *see* Averyanov, E.M. 9—77518, 9—86711, 9—94898
Shabanov, V.F. *see* Avery'yanov, E.M. 9—94902
Shabanov, V.F. *see* Podoprigora, V.G. 9—65863
Shabanova, I.M. *see* Betenekova, T.A. 9—69416
Shabanova, O.S. *see* Storozhenko, V.A. 9—79206
Shabanova, O.S. *see* Vavilov, V.O. 9—91897
Shabanova, T.V. *see* Kardashev, N.S. 9—62862
Shabanskiy, V.P. *see* Baurov, Yu.A. 9—53662
Shabashov, V.A. *see* Sagaradze, V.V. 9—52197, 9—52210, 9—66050
Shabashov, V.A. *see* Zemtsova, N.D. 9—69669
Shabashov, V.I. *see* Asinovskii, E.I. 9—89884
Shabashov, V.I. *see* Pakhomov, E.P. 9—55571
Shabel'nikov, L.G. Diffractometry of structural transitions in single crystals 9—52483
Shabel'nikova, A.E. *see* Likhtenshteyn, V.Kh. 9—91554
Shabel'skii, Yu.M. *see* Petrov, Yu.V. 9—80943
Shabel'skii, Yu.M. *see* Vaisenberg, A.O. 9—75987
Shablii, I.Yu. *see* Romanenko, O.L. 9—91098
Shablov, V.A. *see* Komarov, V.V. 9—85012
Shablov, V.L. *see* Komarov, V.V. 9—75379, 9—75869
Shablovskii, O.V. *see* Cherkasov, V.G. 9—75493
Shablya, A.V. *see* Krasheninnikov, A.A. 9—87486
Shablygin, M.V. *see* Pakhomov, P.M. 9—57220
Shabrov, A.A. Influence of the thickness of a finite rigid baffle on the directivity of a concentric piston radiator 9—64373
Shabunina, G.G. *see* Eliseev, A.A. 9—78940
Shaburov, V.A. *see* Krutov, G.A. 9—60711
Shachnev, A.G. *see* Melamedov, A.M. 9—87793
Shack, R.V., Hopkins, G.W. The Shack interferometer 9—54182
Shackleford, W. *see* Berg, J.O. 9—81259
Shackleton, N.J. *see* Heusser, L.E. 9—80008
Shackleton, N.J. *see* Streeter, S.S. 9—92548
Shacklette, L.W. *see* Ivory, D.M. 9—91031
Shadchin, E.A. *see* Mashkevich, V.S. 9—69472
Shadek, J.G. *see* Berzinsh, V.A. 9—83187
Shadi Lal Malhotra *see* Trung Dong Khong 9—77045
Shadoan, D.J. *see* Barone, J.B. 9—62579
Shadov, A.A. *see* Dorman, L.I. 9—84605
Shadrake, L.G., Guiu, F. Elastic line energies and line tensions of dislocations in polyethylene crystals 9—90656
Shadrin, E.B. *see* Pevtsov, A.B. 9—65929
Shadrina, N.Kh. Shear flows of a thixotropic fluid 9—90288
Shadzhyuvene, S.D. *see* Bogdanovich, P.O. 9—54781
Shaeffer, D.L. Modeling Dresden-Monticello data for ^{131}I transport from pasture to milk 9—88203
Shaeffer, D.L., Hoffman, F.O. Uncertainties in radiological assessments—a statistical analysis of radioiodine transport via the pasture-cow-milk pathway 9—83950
Shaevitz, M.H. *see* Barish, B.C. 9—63536
Shaevitz, M.H. *see* Brown, K.W. 9—80855
Shaevitz, M.H. *see* Dishaw, J.P. 9—85473
Shafeev, M.N. Solution of a plane Stefan problem for a half-space by the method of degenerate hypergeometric transformations 9—86332
Shafer, D. Design with two-axis aspheric surfaces 9—86245
Shafer, E.Yu. *see* Bertaux, J.L. 9—80180
Shafer, G.V. *see* Kuz'min, A.I. 9—84602
Shafer, M.W., Perry, P. Preparation and properties of fluorozirconate glasses containing divalent europium 9—91633
Shafer, M.W. *see* Burns, G. 9—99880
Shafer, M.W. *see* Mook, H.A. 9—60771
Shafer, R.B. *see* Bianco, J.A. 9—79633
Shafer, R.E. *see* Clark, A.R. 9—75779
Shafer, V.Yu. *see* Nikolaev, V.S. 9—54960
Shafer, Yu.G. *see* Kesil'man, E.Sh. 9—80082
Shaffer, B.W. *see* Levitsky, M. 9—72817
Shaffer, C.F. *see* MacDonald, D.B. 9—55281
Shaffer, D.B. *see* Geldzahler, B.J. 9—88758
Shaffer, L.H. Viscosity stabilized solar ponds 9—62094
Shaffer, R.W. *see* Elliott, R.D. 9—53468
Shaffer, W.H. *see* Fox, K. 9—98185
Shafi, Q., Wetterich, C. Gauge hierarchies and the unification mass 9—80782
Shafizade, R.B., Ivanova, I.V., Kazinets, M.M. Investigation of the phase formation conditions in the Cu-S system in thin film 9—56078
Shafranov, V.D. *see* Glagolev, V.M. 9—98864
Shafranov, V.D. *see* Kadomtsev, B.B. 9—49090
Shafrin, E.G., Murday, J.S. Auger compositional analysis of ball bearing steels reacted with tricresyl phosphate 9—52413
Shafroth, S.M. *see* Doyle, B.L. 9—68214
Shafroth, S.M. *see* Kodre, A.F. 9—61466
Shagal, A.M. *see* Zverev, V.A. 9—72658
Shagalov, A.G. Non-linear acoustic waves in a plasma 9—55491
Shagalov, M.D., Orizhuk, A.G. Polarized electroluminescence in GaN 9—91502
Shagalova, D.Ya. *see* Lifshits, E.B. 9—67418
Shaginyan, A.A. Structural changes in micelles and model phospholipid membranes 9—66451
Shaginyan, V.R. *see* Starodubskii, V.E. 9—80941
Shagov, P.N. *see* Kovtun, V.V. 9—76666
Shah, A.H. *see* Cohen, H. 9—50633
Shah, A.M. *see* Khulbe, C.P. 9—52866
Shah, D.M. *see* Notis, M.R. 9—51815
Shah, G.A. Numerical methods for Mie theory of scattering by a sphere 9—50225
Shah, G.M. Aperture effects on atmospheric turbidity measurements 9—84483
Shah, H.S., Mehta, R.V., Bhagat, J.B., Bhagat, D.M., Vaidya, D.B. Polarization characteristics of oriented non-spherical particles 9—81362
Shah, J., Bosch, M.A. Band-to-band luminescence in amorphous solids: implications for the nature of electronic band states 9—61432
Shah, J. *see* Fork, R.L. 9—87439
Shah, J. *see* Leheny, R.F. 9—99583
Shah, J.S., Beckett, A. A preliminary evaluation of moist environment ambient temperature scanning electron microscopy 9—100797
Shah, J.S., Jayson, M.I.V., Hampson, W.G.J. Mechanical implications of crimping in collagen fibres of human spinal ligaments 9—100646
Shah, K.T. A general theory of conservation laws, their violation, and spontaneous phenomena 9—54275
Shah, M.A. *see* Rahim, C.A. 9—91023
Shah, P.N. *see* Yaws, C.L. 9—65218
Shah, R.K. Heat transfer and fluid flow analysis of interrupted-wall channels, with application to heat exchangers 9—81883
Shah, S.K. *see* Klootwijk, C. 9—88241
Shah, S.M., Bhagwat, A.M., Soman, S.D. Makrofol as a high exposure gamma ray dosimeter 9—63815
Shah, S.M. *see* Wasan, D.T. 9—61840
Shah, S.S., Deshmukh, D.D. Temperature dependence of phonon-magnon bound state 9—78349
Shah, T.P. *see* Baker, R.D. 9—89182
Shah, T.P. *see* Brown, R.M. 9—71761
Shah, V.L. *see* Schultz, D.H. 9—64667
Shah, V.N., Bohm, G.J., Nahavandi, A.N. Modal superposition method for computationally economical nonlinear structural analysis 9—81004
Shahabi, I. *see* Sherbini, S.S. 9—93876
Shahabi, S. Photoelectron angular distribution of the 3s-subshell of atomic aluminum 9—76397
Shahabuddin, M.A.M., Buja-Bijunas, L., Stott, W.R., Waddington, J.C. Use of $^{30}Si(p,\alpha)^{27}Al$ analyzing power 9—54427
Shaham, J. *see* Amitai-Milchgrub, A. 9—71057, 9—88678, 9—101152
Shaham, J. *see* Dekel, A. 9—62905
Shaham, J. *see* Leibowitz, E.M. 9—67023
Shaham, J. *see* Mazeh, T. 9—88699
Shaham, M., Barak, J., El-Hanany, U., Warren, W.W., Jr. Critical nuclear relaxation in cobalt metal 9—56622
Shaham, M., El-Hanany, U. A homogeneous very high-temperature minifurnace 9—49235
Shahein, H.I., Ahmed, A.S. On the modelling of the heart conduction system 9—83741
Shahin, F. Models for pre-compound nuclear emission 9—71829
Shahinian, P. *see* Sadananda, K. 9—52340, 9—52361, 9—61731
Shahinpoor, M., Ahmadi, G. Universal stability of thermo-Cosserat fluid motions 9—50705
Shahinpoor, M., Balakrishnan, R. Large amplitude oscillations of thick hyperelastic cylindrical shells 9—64560
Shahriary, I., Schwank, J.R., Allen, F.G. Energy loss and escape depth of hot electrons from shallow p-n junctions in silicon 9—78159
Shai, I. *see* Lanxner, M. 9—52952
Shaiblin, O.N. *see* Kupriichuk, P.F. 9—64512
Shaikh, A.W. *see* Ray, J. 9—61056
Shaikhov, D.A., Rabadanov, R.A., Semiletov, S.A., Efendiev, A.Z. Dependence of the electrical properties of ZnO epitaxial films on the growth conditions and substrate orientation 9—56339
Shaikina, O.I. *see* Rezer, B.I. 9—82507
Shaikov, D.A. *see* Kazhlaev, M.A. 9—99924

Shaikov, D.A. *see* Semiletov, S.A. 9—95530
Shair, F.H. *see* Lamb, B.K. 9—62545, 9—62546
Shakal, A.F., Toksoz, M.N. Analysis of source and medium effects on strong motion observations 9—88299
Shakaryan, E.S., Shmulevich, M.I., Abdullaeva, A.G. Refractometry of absorbent media 9—67377
Shakaryan, G.G. *see* Pogosyan, Ya.M. 9—99736
Shaked, H., Aldred, A.T., Dwight, A.E. A study of the magnetic susceptibility of $R_3Au_3Sb_4$ (R=Tb, Ho, Er, Tm) 9—51742
Shaked, H., Pinto, H., Felner, I. A commensurate-incommensurate modulated magnetic structure: $TbFe_4Al_8$ 9—95576
Shaked, H. *see* Atzmony, U. 9—99707
Shaked, H. *see* Melamud, M. 9—78319
Shaked, H. *see* Shamir, N. 9—78059
Shakeshaft, R. Reply to 'Comment on the asymmetry in the cusp of the differential cross section for charge capture to the continuum' 9—94083
Shakeshaft, R., Spruch, L. Mechanisms for charge transfer (or for the capture of any light particle) at asymptotically high impact velocities 9—97700
Shakeshaft, R. *see* Spruch, L. 9—54965
Shakespeare, N.W. *see* Unsworth, M.H. 9—84458
Shakhbazov, Sh.D., Rzaev, P.F. Thermodynamic analysis of water thermolysis in a solar furnace to obtain hydrogen 9—83625
Shakhbazyan, Yu.L. *see* Kir'yan, V.V. 9—88652
Shakhmatova, L.P. *see* Orlov, B.I. 9—86103
Shakhmuratov, R.N. Parametric resonance in the laser 9—76656
Shakhnazarov, A.A. *see* Grigoryan, S.S. 9—79586
Shakhnazarov, Yu.V., Taft, V.I. Resistance to crack propagation and abrasive wear of high-carbon steels 9—83330
Shakhov, B.A. *see* Dorman, L.I. 9—53682
Shakhov, V.G. *see* Volov, V.T. 9—86445
Shakhova, N.A. *see* Litvak, A.G. 9—98914
Shakhovskaya, L.I., Lemesheva, T.A., Kryazhev, Yu.G. Influence of structure of aqueous polymer solutions on the Toms effect 9—81929
Shakhovsky, A.M. *see* Bogach, P.G. 9—96512
Shakhovtsov, V.I. *see* Antonenko, R.S. 9—51613
Shakhovtsov, V.I. *see* Zaitsevskii, I.L. 9—91140
Shakht, N.A., Kalinichenko, O.A. Results of photographic observations of Mars with the Pulkovo double short-focus astrograph during 1973-1974 9—96944
Shakhtakhtinskii, M.G. *see* Musaev, A.A. 9—56248
Shakhtin, D.M. *see* Abramenkov, A.D. 9—82362
Shakhverdov, T.A., Tibilov, S.S., Turaeva, E.N., Ergashev, R. Photophysics of fluorescein dyes associated with metals: rate constants for energy transport to Yb^{3+} 9—54897
Shakin, C.M. Pion-nucleus elastic scattering 9—85545
Shakin, C.M. *see* Celenza, L.S. 9—89306
Shakov, K.P. *see* Bobkov, A.F. 9—67433
Shakura, N.I. *see* Bochkarev, N.G. 9—58450, 9—92806
Shakya, G.R. *see* Bachmann, A. 9—62137
Shalabutov, Yu.K. *see* Kazakova, L.A. 9—91479
Shalaby, A.H. *see* Jones, S.E. 9—81737
Shalaev, A.M. Radiation defects—localised deformation of the electronic state in metallic crystals 9—87061
Shalaev, A.M. An observation on the work of P. Vaida in the paper 'Dependence of the threshold energy displacement in metals on the energy of bombarding particles 9—90698
Shalaev, A.M. *see* Dekhtyar, M.I. 9—60608
Shalaev, B.N. *see* Korzhenevskii, A.I. 9—86879
Shalaev, E.A. *see* Dmitriev, V.G. 9—64261, 9—94255
Shalaev, S.P. *see* Antonov, A.N. 9—68775
Shalaev, V.M. *see* Popov, A.K. 9—94280
Shalagin, A.M. *see* Gel'mukhanov, F.Kh. 9—77335, 9—98047
Shalagina, E.V. *see* Baradzei, L.T. 9—80159
Shalaginov, V.V. *see* Shub, D.M. 9—61875
Shalayev, V.I. *see* Zakharchenko, V.M. 9—77298
Shalimova, A.V. *see* Safonov, E.V. 9—90590
Shalimova, K.V., Karetnikov, I.A., Mironneko, L.S. Exciton cathode luminescence of eptiaxial gallium nitride layers 9—65933
Shalitin, D., Tikochinsky, Y. Transformation between the normal and antinormal expansions of boson operators 9—97295
Shalkauskas, Yu.S. Estimation of radial temperature distribution and determination of relative chemical composition in the plasma of a low-voltage pulse discharge 9—50845
Shalkauskas, Yu.S. *see* Serapinas, L.D. 9—55475
Shallis, M.J. *see* Blackwell, D.E. 9—92682
Shalloway, D. Renormalization group and infrared behavior of quantum chromodynamics 9—58931
Shal'man, E.Yu. *see* Gurevich, Yu.G. 9—77060
Shalom, A., Gerratt, J. Factorisation of the S matrix in molecular collision problems 9—72380
Shaltiel, D. *see* Didisheim, J.-J. 9—73334
Shaltiel, D. *see* Jacob, I. 9—86980
Shalumov, B.Z. *see* Zhukova, L.A. 9—78664
Shalvoy, R.B., Reucroft, P.J. Characterization of a sulfur-resistant methanation catalyst by XPS 9—83506
Shalyapin, P.M. *see* Plotkin, L.G. 9—61671
Shalyapina, G.M. *see* Zaitov, F.A. 9—95213
Shalygin, A.N. *see* Chetkin, M.V. 9—99725
Shalygin, V.A. *see* Vorob'ev, L.E. 9—65830
Sham, L.J., Nakayama, M. Effective-mass approximation in the presence of an interface 9—99629
Sham, L.J. *see* Hanke, W. 9—87046
Sham, T.K., Perlman, M.L., Watson, R.E. Electronic behavior in alloys: gold-non-transition-metal intermetallics 9—60695
Shamaev, P.P., Grigor'ev, A.P., Tarasov, V.V. Hydrothermal installation with an internal heater for pressures up to 10 kbar 9—67333
Shamah, A.M. *see* Smith, B.A. 9—60289
Shamah, I., Flynn, G. Laser catalyzed translational to vibrational energy conversion in CH_3F-O_2 mixtures 9—72396
Shamai, S. *see* Pasternak, M. 9—58853
Shamakhov, B.F. Low-resolution high-pressure mass spectrometer 9—87906
Shamala, N. *see* Nagaraj, R. 9—81311
Shamaly, A. *see* Kobayashi, M. 9—54264
Shamansurov, I. *see* Baiburina, S.G. 9—80156, 9—80170
Shamatov, U.N. *see* Krinchik, G.S. 9—69707
Shambon, Zh. *see* Kuznetsov, A.V. 9—80371
Shambroom, W.D. *see* Loomis, W.A. 9—71757
Shamfarov, Ya.L. *see* Smirnova, T.A. 9—94202
Shamiev, F.G., Habib-Zade, S.M. On optimal design of shells loaded by opposite sets of loads 9—50586
Shamilova, A.Sh. *see* Batuner, Yu.D. 9—49324
Shamin, P.A. *see* Chaplygin, V.I. 9—87771
Shamir, J. *see* Gafni, G. 9—61524
Shamir, N., Shaked, H. Crystalline electric field transition in DyD_2 9—78059
Shamko, V.V., Ivanov, A.V. Numerical investigation of hydrodynamic phenomena induced by an underwater spark 9—77323
Shamma, S.E., Martinez-Sanchez, M., Louis, J.F. Electric effects in Window-Frame MHD generators with non-uniform velocity and conductivity in the transverse plane 9—68960
Shamonya, V.G. *see* Nepijko, S.A. 9—95518
Shamov, V.P. *see* Al-Haddad, S.A. 9—71927
Shamrai, K.P. *see* Davydova, T.A. 9—90405
Shams El Din, A.M. *see* Abd El Kader, J.M. 9—96180
Shams El Din, A.M. *see* Abd El Wahab, F.M. 9—52426
Shamsuddin *see* Kleppa, O.J. 9—99334
Shamu, R.E. *see* Haouat, G. 9—89230
Shamukov, N.A. *see* Vladimirtsev, Yu.V. 9—73893
Shamuratov, Kh.A. *see* Saidov, M.S. 9—51667
Shamuratova, Kh.A. *see* Saidov, M.S. 9—73582
Shamuzafarova, G.Sh. *see* Kirgizbaev, R.A. 9—95222
Shan, Y. *see* Chuu, D.S. 9—63593
Shanahan, W.R., Faehl, R.J., Godfrey, B.B. A computational study of one aspect of autoresonant acceleration 9—72022
Shanahan, W.R. *see* Faehl, R.J. 9—72017
Shanahan, W.R. *see* Thode, L.E. 9—59625
Shanbhag, P.V., Shashidhar, M.A., Suryanarayana Rao, K. Near ultraviolet absorption spectra of some bromoxylenes 9—81209
Shand, M.L., Chance, R.R., Silbey, R. Two-photon dispersion in conjugated polymers 9—86094
Shanda, J., Czibula, Gy., Dezsi, Gy., Szonyi, L. Error sources of illuminance meters 9—88995
Shandarin, S.F. *see* Doroshkevich, A.G. 9—97086
Shandil, R.G. *see* Banerjee, M.B. 9—55311, 9—55312, 9—77128, 9—77286
Shaner, J.W. *see* Trainor, R.J. 9—55823
Shaner, W.W., Duff, W.S. Solar thermal electric power systems: comparison of line focus collectors 9—70435
Shang Yi Ch'en *see* Shih Yuan Wang 9—89643
Shang-Fang Tsai, Londergan, J.T. Direct-reaction calculation of immediate-energy proton radiative capture on ^{11}B 9—89281
Shang-keng Ma Alternative approach to the dynamic renormalization group 9—75471
Shang-Wu Qian *see* Qian Shang-Wu
Shang-xin Fu *see* Fu Shang-xin
Shang-yi Wang *see* Wang Shang-yi
Shani, J. *see* Schachner, E. 9—62342
Shanian, B.D., Kalabuchova, E.N. Crystal field constants calculation in the spin-Hamiltonian for Eu^{2+} in alkali-halide crystals 9—51537
Shanin, G.I. Infrared spectroscopy of RW Aurigae with a contact-type image tube 9—92768
Shanin, V.I. *see* Kudryavtsev, V.A. 9—81578
Shanina, B.D. Nature of negative ENDOR and the possibility of describing it by the Bloch transport equations 9—95678
Shanina, B.D. *see* Bratus', V.Ya. 9—73807
Shanina, B.D. *see* Kalabukhova, E.N. 9—99768
Shanina, B.D. *see* Konchits, A.A. 9—78572
Shank, C.V. *see* Fork, R.L. 9—87439
Shank, C.V. *see* Leheny, R.F. 9—99583
Shankar, D. *see* Kar, S. 9—61979
Shankar, N.J. *see* Dattatri, J. 9—100850
Shankar, P.Mohana *see* Mohana Shankar, P.
Shankar, R., Jain, S.K. Formation of shock waves in dissociating gases 9—60004
Shankar, V. Calculation of diffusion coefficients of organic vapours from short and longtime sorption data 9—77831
Shankar Pureswaran, K.S. *see* Swaminadham, M. 9—81824
Shankara, T.S. *see* Nandi, K.K. 9—71242
Shanker, J., Agrawal, G.G., Singh, R.P. The Clausius-Mossotti and Mott-Littleton theories of the static dielectric constant of alkali halide crystals 9—82910
Shanker, J., Jain, V.C. Analysis of the crystal binding of alkali hydrides 9—65030
Shanker, J., Jain, V.C. Dielectric behaviour of alkaline earth oxides and sulphides 9—91343
Shanker, J. *see* Jain, V.C. 9—82176
Shanker, J. *see* Sharma, J.C. 9—95701
Shanker, J. *see* Singh, R.P. 9—77668
Shanker, N.B., Sarma, K.S., Ratnam, M.V. Consolidation due to shear loads distributed over a rectangular area 9—57936
Shanker, V. *see* Ghosh, P.K. 9—61214, 9—78759
Shankland, J.P., Nixon, G.L. Training simulator for advanced gas-cooled reactor (AGR) shutdown sequence equipment 9—89461
Shankland, T.J., Nitsan, U., Duba, A.G. Optical absorption and radiative heat transport in olivine at high temperature 9—79818
Shanklin, R.V. Considerations for MHD power generation development 9—52944
Shanks, H.R. *see* Benner, R.E. 9—61388
Shanley, P.E. *see* Fonseca, A.C. 9—49068, 9—63083
Shanmugam, K.S. *see* Hoyer, E. 9—74586
Shanmugam, P. *see* Rajendran, T. 9—57325
Shanmugasundaram, E.R.B. *see* Damodaran, C. 9—53292
Shanmugasundaram, V. *see* Reddy, N.M. 9—76664, 9—76665
Shannon, F.T. *see* Unsworth, A. 9—74696
Shannon, G.F. A myoelectrically-controlled prosthesis with sensory feedback 9—57815
Shannon, G.F. Sensory feedback for artificial limbs 9—84012
Shannon, J.M. A majority-carrier camel diode 9—95471
Shannon, M.D., Eades, J.A. Bend-contour patterns from buckled specimens 9—99040
Shannon, R.D., Berzins, T. Ionic conductivity in low carnegieite compositions based on $NaAlSiO_4$ 9—65245
Shannon, S.R. *see* Abrams, G.S. 9—89174
Shannon, T.E., Steiner, D. The ORNL fusion power demonstration study 9—71969
Shannon, T.E. *see* Roberst, M. 9—71959
Shannon, W.E., Halliday, R.J., Lombardo, F., Schieman, D.R.J. Canadian seismograph operations—1977 9—66837
Shanshaev, O.Ts. *see* Vinokurov, V.A. 9—77017
Shanshal, M. *see* Al-Khuzzaii, S. 9—91948
Shanskii, I.I. *see* Prikhotko, A.F. 9—72313
Shanthi, E., Pandya, D.K., Chopra, K.L. Transparent conducting coatings for solar cells 9—61992
Shanti, M., Roobol, M.J. A late Proterozoic ophiolite complex at Jabal Ess in northern Saudi Arabia 9—70799
Shao, C.-Y. Comet Torres (1979e) 9—75161
Shao, C.-Y. Comet Torres (1979e) 9—84749
Shao, C.-Y., Schwartz, G. Periodic Comet Holmes (1979f) 9—80272
Shao, C.-Y. *see* Bortle, J. 9—101120
Shao, C.-Y. *see* Giclas, H.L. 9—101118
Shao, J., Machlin, E.S. Pair potential model evaluation of σ-α lattice stability 9—60305
Shao, J., Machlin, E.S. Multicomponent phase diagrams applicable to austenitic stainless steels at 600 and 650°C 9—78937
Shao Ping-huang, Wang Jin-tong Phase transition dynamic of graphite to diamond under shock wave loading 9—82337
Shao Yong-fu *see* Zhou Bing-lin 9—91072
Shao-hua Li *see* Li Shao-hua
Shao-kang Pu *see* Pu Shao-kang
Shao-lin Xu *see* Xu Shao-lin
Shao-ming Wu *see* Wu Shao-ming
Shao-Mu Ma, Lin, S.H., Eyring, H. Hysteresis effects of C^1H_4 and C^2H_4 in the regions of the solid-phase transitions 9—99316
Shao-Tang Sun, Day, E.P., Ho, J.T. Temperature dependence of calcium-induced fusion of sonicated phosphatidylserine vesicles 9—92172
Shao-you Jiang *see* Jiang Shao-you
Shapar, A.V. *see* Sidorov, G.I. 9—97737
Shaparenko, I.I. *see* Kauzhens, I.K. 9—55265
Shaparenko, I.I. *see* Pipars, Ya.Ya. 9—53986
Shaparenko, V.V. *see* Unesikhin, N.E. 9—88962
Shaparev, Yu.V. *see* Ogurtsov, I.Ya. 9—72322
Shapira, A. *see* Brandelik, R. 9—63491, 9—93441
Shapira, A. *see* Eisenberg, Y. 9—54367, 9—75804
Shapira, D., Dayras, R., Ford, J.L.C., Jr., Gomez Del Campo, J., Snell, A.H., Stelson, P.H., Stokstad, R.G. A gas cell target for studying fusion and damped collisions of light nuclei 9—76250
Shapira, D. *see* Cordell, K.R. 9—75815
Shapira, D. *see* Gomez del Campo, J. 9—71873

Shapira, Y., Grunbaum, E. An UHV system for in situ preparation and analysis of thin films and surfaces 9−69986
Shapira, Y., Oliveira, N.F., Jr., Chang, T.S. Virtual bicritical point in $CsMnF_3$ 9−61128
Shapira, Y. *see* Lichtman, D. 9−51424
Shapira, Y. *see* Oliveira, N.F., Jr. 9−78370
Shapira, Y. *see* Yacovitch, R.D. 9−78492
Shapiro, A.M. *see* Brick, D. 9−58980
Shapiro, B. Real-space renormalisation in the percolation problem 9−93059
Shapiro, B., Weiser, K. Role of ionic screening in hopping conduction in closely compensated semiconductors 9−65488
Shapiro, B. *see* Lipkin, L. 9−70711
Shapiro, B.I. *see* Kharitonova, A.I. 9−58826
Shapiro, B.L. *see* Sweney, L.R. 9−84034
Shapiro, B.S. Effect of the interplanetary magnetic field on the mid-latitude nighttime ionosphere 9−58151
Shapiro, B.S. *see* Chernyshev, O.V. 9−53616
Shapiro, B.Ya. *see* Nabutovskii, V.M. 9−69627
Shapiro, D.A. *see* Smirnov, G.I. 9−86567
Shapiro, E.L. Improved sensitivity for TDP-2 thermoluminescent radiation-monitoring instrument 9−89504
Shapiro, G. *see* Fancher, D. 9−68148
Shapiro, G. *see* Jonckheere, A. 9−63527
Shapiro, G.I. Suppression of the attachment instability in a glow discharge by a rotating electric field 9−64954
Shapiro, I.I., Campbell, D.B., DeCampli, W.M. Nonresonance rotation of Venus? 9−66944
Shapiro, I.I. *see* Clark, T.A. 9−88920
Shapiro, I.I. *see* Cotton, W.D. 9−53922
Shapiro, I.I. *see* Counselman, C.C., III 9−100805
Shapiro, I.S. *see* Bogdanova, L.N. 9−93476
Shapiro, I.Ya. *see* Plyusnin, I.I. 9−93124
Shapiro, L.L., Shustarev, D.Yu. Correction of nonlinear modulation distortion in an acoustooptic television system 9−55237
Shapiro, M., Balint-Kurti, G.G. A new method for the exact calculation of vibrational-rotational energy levels of triatomic molecules 9−93974
Shapiro, M., Kaplan, H. On the theory of $H+OH(^2\Pi)$ collisions and interstellar OH maser action 9−101186
Shapiro, M., Zeiri, Y. Semiempirical potential surfaces for the alkali hydrogen-halide reactions 9−74362
Shapiro, M.F. *see* Ezerskii, A.B. 9−55363
Shapiro, M.H. *see* Larson, R.E. 9−58041
Shapiro, M.M. *see* Legge, J.C. 9−80573
Shapiro, M.S., Kurgaev, E.F. Turbulent coagulation of polydisperse systems with allowance for the force interaction of the particles 9−57297
Shapiro, N.B. *see* Mikhailova, E.N. 9−100859
Shapiro, N.L., Liu, Y. Improvement of fuel utilization for once-through PWR cycles 9−85636
Shapiro, N.L. *see* Garel, K.C. 9−89387
Shapiro, N.L. *see* Hellens, R.L. 9−54482
Shapiro, N.L. *see* Matzie, R.A. 9−85595
Shapiro, R., Stolov, H.L. A search for a solar influence on the skill of weather forecasts 9−88420
Shapiro, S. *see* Vavra, J. 9−76262
Shapiro, S.L. *see* Biermann, P. 9−62908
Shapiro, S.L. *see* Saenz, R.A. 9−53802
Shapiro, S.M. *see* Cox, D.E. 9−87259
Shapiro, S.M. *see* Gurewitz, E. 9−78330
Shapiro, S.M. *see* Kjems, J.K. 9−65196
Shapiro, S.M. *see* Pouget, J.P. 9−61313, 9−69208
Shapiro, S.M. *see* Salamon, M.B. 9−96025
Shapiro, V.A., Abdullabekov, K.N. Observations of geomagnetic field variations during the Gazli earthquake of May 17, 1976 9−57859
Shapiro, V.D. *see* Degtyarev, L.M. 9−68922
Shapiro, V.E., Loginov, V.M. The effective potential in a rapidly oscillating irregular field 9−75457
Shapiro, V.V. *see* Bron, R.Ya. 9−91487
Shapiro, V.V. *see* Verdyan, A.I. 9−87457
Shapiro, Yu.Ye., Vikotrov, A.V., Barsukov, L.I., Bergel'son, L.D. Binding sites for ferricyanide ions on the surface of the lectithin lipsomes 9−79481
Shapirovskaya, N.Ya. Variability of extragalactic decimeter radio sources 9−62924
Shapka, V.Kh., Ivanov, B.M., Sheberstov, V.I. Selectivity of development of small aggregates of silver halide microscrystals in a photographic layer 9−58832
Shapley, R., Victor, J.D. The contrast gain control of the cat retina 9−79536
Shapochkin, B.A., Sergeev, V.N. Distribution of the silicon monoxide condensate from an extended source 9−52118
Shaposhnikov, A.G. *see* Aref'ev, K.P. 9−51530
Shaposhnikov, I.G. *see* Kjuntsel, I.A. 9−78564
Shaposhnikov, M.E. *see* Ignatiev, A.Y. 9−71620
Shaposhnikov, N.G., Mogutnov, B.M., Edneral, A.F. Influence of cobalt on the solubility of the Laves phase Fe_2Mo in maraging steels 9−100145
Shaposhnikov, N.G. *see* Itkin, V.P. 9−52514
Shaposhnikov, V.E. *see* Zheleznyakov, V.V. 9−53765, 9−75090
Shaposhnikov, Yu.N. Laser speckle applied in research on vibrational characteristics 9−94569
Shaposhnikova, N.Yu. *see* Strakhov, V.N. 9−84536
Shapov, V.S. *see* Kudryavtsev, V.A. 9−81578
Shapovalov, G.K. *see* Khon'kin, A.D. 9−98751
Shapovalov, V.I., Serdyuk, N.P. On phase diagram of the nickel−hydrogen and cobalt−hydrogen system 9−52153
Shapovalov, V.I. *see* Avaeva, I.G. 9−78489
Shapovalov, V.P. *see* Baidak, N.P. 9−52459
Shapovalov, V.V. Ionic conductivity of VO_2 9−51299
Shapovalova, L.A. *see* Dorman, L.I. 9−84606
Shapovalova, L.D. *see* Chernyi, Yu.F. 9−52235
Shappir, J. *see* Kriegler, R.J. 9−56279
Shappirio, J.R. *see* Bergner, R.L. 9−82825
shaqi Peng *see* Peng shaqi
Sharaf, M.A. General integral transform of the exponential integrals 9−88577
Sharaf, M.A. *see* Ismail, M. 9−85486
Sharaf, N.A. *see* Ahmed, A.A. 9−87470
Sharafutdinov, R.G. *see* Karelov, N.V. 9−86481
Sharafutdinov, R.G. *see* Zarvin, A.E. 9−86468
Sharafutdinov, V.F. *see* Kosterin, A.V. 9−90291
Sharagina, Z.I., Ivanov, S.K. Construction of an information theory of measurement systems 9−93088
Sharai, A.V. *see* Chernyshova, S.P. 9−52497
Sharan, P. Star-product representation of path integrals 9−97253
Sharan, R. *see* Thampuran, M.K.V.V. 9−62004
Sharan, S., Hertz-Lazarowitz, R., Reiner, T. Television for changing teacher behaviour 9−80388
Sharan, S.G. *see* Sharon, M. 9−62016
Sharan, V.B., Srivastwa, D.N.S., Sen, S.C. Dimer absorption bands in KCl+TlCl mixed phosphor 9−73976
Sharan, V.B., Srivastwa, D.N.S., Sen, S.C. Absorption spectra of RbCl:Tl 9−87473
Sharan, V.B., Srivastwa, D.N.S., Sen, S.C. On the origin of the 375 nm emission band in KCl:Tl 9−95834
Sharan, V.K. Characteristics of turbulence generators in combination with barriers and/or roughness 9−94598
Sharanevch, L.N., Zhurakovs'kii, E.A., Kirichok, P.P. Effect of indium additives on electron-ionic structure of manganese-zinc ferrites 9−52046
Sharanevich, L.N., Zhurakovs'kii, E.A., Kirichok, E.A. Thin structure of X-ray $K\beta_4$- and $L\alpha_{1,2}$-emission bands of iron in manganese-zinc ferrites 9−78790
Sharanov, G.N. New problems facing the Gosstandart territorial agencies 9−93092
Sharapov, N.I. *see* Takibaev, Zh.S. 9−49560
Sharapova, K.M. *see* Nechaev, Yu.R. 9−83357
Sharaskin, A.Ya. *see* Sun, S.-S. 9−88316
Sharborough, F.W. *see* Stockard, J.J. 9−88079
Sharcoff, J. *see* Lukasiewicz, M. 9−83981
Sharf, D.J. *see* Ohde, R.N. 9−86307
Sharf, E.M. *see* Mukhamedyrov, R.D. 9−49200
Sharfin, W., Johnson, K.E., Wharton, L., Levy, D.H. Energy distribution in the photodissociation products of Van der Waals molecules: iodine-helium complexes 9−100410
Sharif-Zade, V.B. *see* Baiburina, S.G. 9−80156, 9−80170
Sharifullin, S.N. *see* Dautov, G.Yu. 9−69992
Sharimanov, Yu.G. *see* Mrevlishvili, G.M. 9−62167, 9−79451
Sharipov, Sh.M. *see* Krinchik, G.S. 9−87465
Sharivker, S.Yu. *see* Astakhov, E.A. 9−70195
Sharkey, J. *see* Dooley, D.M. 9−79621
Sharkhatunyan, R.O. *see* Nalbandyan, A.G. 9−95725
Sharkhov, A.S. *see* Trukhanov, E.M. 9−86650
Sharkina, E.V. *see* Budennaya, L.D. 9−95488, 9−100120
Sharkov, A.V. *see* Kryukov, P.G. 9−57581, 9−64056, 9−64283
Sharkov, V.F. *see* Grigo'yan, G.M. 9−64216
Sharkov, Ye.A. On the use of radio thermal microwave systems for studying the thermal interaction in the boundary layer between ocean and atmosphere 9−84546
Sharkykin, N.K. *see* Braude, S.Ya. 9−97091
Sharma, A., Goyal, I.C. Tapered parabolic-index fiber waveguide 9−76803
Sharma, A., Khular, E., Thyagarajan, K., Ghatak, A.K. Coupling of two parallel multimode parabolic index waveguides: an exact analysis in the weakly guiding approximation 9−90013
Sharma, A. *see* Singh, H.B. 9−55462
Sharma, A.B., Halme, S.J. Frequency response of optical fibres using a combination time-frequency domain technique 9−76809
Sharma, A.K., Kaur, R., Verma, H.R., Trehan, P.N., Suri, K.K. Level structure of ^{124}Te 9−54387
Sharma, A.K., Verma, H.R., Singh, N., Trehan, P.N. Study of ^{131}Ba decay 9−85400
Sharma, A.K. *see* Sarma, P.R. 9−93866
Sharma, A.K. *see* Sharma, R.P. 9−51218
Sharma, A.K. *see* Verma, H.R. 9−85401
Sharma, A.P. *see* Singh, M. 9−80714
Sharma, A.P. *see* Yadav, J.S. 9−76290
Sharma, B.B. Application of finite discrete transform on M/M/S queueing system 9−67144
Sharma, B.B. Bending frequency of a rotating cantilever beam including the effect of resisting media 9−68637
Sharma, B.D. *see* Mantl, S. 9−83054
Sharma, B.K., Chandrashekar, M.A., Kumar, S. Rigid sphere model and evaluation of surface tension of liquids 9−56040
Sharma, B.R. *see* Singh, P.P. 9−87865
Sharma, C.B. Vibration characteristics of thin circular cylinders 9−86376
Sharma, C.L. *see* Dube, S.N. 9−50798
Sharma, C.S., Matsunaga, M., Nakagawa, T., Takeuchi, E., Kojima, Y. Friction and wear of sintered cast iron products 9−91806
Sharma, D. *see* Mishra, M.M. 9−99923
Sharma, D.K., Yip, R.W. Superbroadening of single 1.06 μm picosecond pulses in H_2O and D_2O: On the concurrence of dielectric breakdown and superbroadening 9−86223
Sharma, D.K. *see* Gupta, D.K. 9−99801
Sharma, D.P. *see* Rao, U.R. 9−84638
Sharma, G.P. *see* Gusdal, M.I. 9−54695
Sharma, H.G., Prakash, A. Flow of a second order fluid in a curved annulus 9−72915
Sharma, H.S. *see* Gupta, M. 9−86431
Sharma, J. *see* Ernst, M.H. 9−50694
Sharma, J.C., Shanker, J. Theory of strain derivatives of electronic and static dielectric constants of alkali halides and alkaline-earth fluorides 9−95701
Sharma, J.K., Khan, D.C. Magnetization density of Fe^{++} in $KFeF_3$ and $RbFeF_3$ 9−78313
Sharma, J.K. *see* Sodha, M.S. 9−77386
Sharma, J.P. *see* Awasthy, K.L. 9−87738
Sharma, K.C. *see* Barma, M. 9−56562
Sharma, K.C. *see* Sharma, R.C. 9−72869
Sharma, K.C.Nath *see* Nath Sharma, K.C.
Sharma, K.D. *see* Gupta, B.M. 9−49012
Sharma, K.K., Singh, M. Variation of beta-ray backscattering with target thickness 9−78801
Sharma, K.S., Kachhava, C.M. A linear potential and phonons in sodium 9−82293
Sharma, L.K. *see* Kulkarni, S.V. 9−63398
Sharma, L.K. *see* Raghuwanshi, S.S. 9−54931, 9−88821
Sharma, M.K., Jain, S.P., Srivastava, S.N. Role of mixed emulsifiers in emulsion stability 9−74424
Sharma, M.L. *see* Klootwijk, C. 9−88241
Sharma, M.N. *see* Misra, C.K. 9−91347
Sharma, N.C., Kainthla, R.C., Pandya, D.K., Chopra, K.L. Electroless deposition of semiconductor films 9−95952
Sharma, N.C., Pandya, D.K., Sehgal, H.K., Chopra, K.L. Electroless deposition of epitaxial $Pb_{1-x}Hg_xS$ films 9−90915
Sharma, N.K., Williams, W.S. Interface between chemically vapor deposited titanium carbide and cemented carbide substrate 9−77927
Sharma, O.P. *see* Goyal, S.C. 9−61335
Sharma, O.P. *see* Mathur, P.C. 9−65490, 9−78098, 9−91079, 9−99548
Sharma, P.C. *see* Sekhon, G.S. 9−83212
Sharma, P.K., Awasthi, R.K. Noncentral force model for the lattice dynamics of cubic models 9−69209
Sharma, P.K., Knuth, E.L., Young, W.S. Vibrational relaxations in freejet flows of C_3H_8, n-C_4H_{10}, and binary mixtures of CO_2 9−98760
Sharma, P.R., Varshney, B.S. On the Mikic-Rohsenow pool boiling correlation 9−55324
Sharma, R. *see* Paul, R.C. 9−57239
Sharma, R.C., Chang, Y.A. Thermodynamics and phase relationships of transition metal-sulfur systems. III. Thermodynamic properties of the Fe-S liquid phase and the calculation of the Fe-S phase diagram 9−56966
Sharma, R.C., Sharma, K.C. Rayleigh-Taylor instability of two viscoelastic superposed fluids 9−72869
Sharma, R.C. *see* Bhatia, K. 9−51288
Sharma, R.C. *see* Chandra, P. 9−60860
Sharma, R.C. *see* Sharma, R.R. 9−77394
Sharma, R.G. *see* Dubey, R.K. 9−68760, 9−90331
Sharma, R.M., Nigam, S.K., Singh, R.L., Agrawal, S.P. Average anisotropy characteristics of high energy cosmic ray particles approaching solar minimum 9−84607
Sharma, R.P., Sharma, A.K., Sharma, S., Sinha, H.P. Phonon dispersion in Be 9−51218
Sharma, R.P. *see* Mathur, P.C. 9−99548
Sharma, R.P. *see* Mathur, S.S. 9−62148
Sharma, R.P. *see* Sodha, M.S. 9−50865, 9−55495, 9−60149, 9−68959, 9−77384, 9−77387, 9−77390, 9−86566, 9−94799
Sharma, R.P. *see* Sodha Govind, M.S. 9−55511
Sharma, R.P. *see* Umesh, G. 9−64872
Sharma, R.R. General expressions for reducing the Slater-Koster linear combination of atomic orbitals integrals to the two-center approximation 9−68187
Sharma, R.R., Sharma, R.C. Nonlinear mixing of microwaves in a plasma-filled waveguide 9−77394
Sharma, R.R., Tripathi, V.K. Stimulated Brillouin scattering of laser radiation in a piezoelectric semiconductor 9−95793

Sharma, R.R. *see* Sodha, M.S. 9—99571
Sharma, R.R. *see* Tewari, D.P. 9—55512, 9—77389
Sharma, R.S. Structural modification of chrysotile asbestos fibres in drag reduction 9—68786
Sharma, R.S. Unsteady flow of an elastic-viscous fluid past an infinite porous plate 9—68794
Sharma, R.S., Seshadri, V., Malhotra, R.C. Parameters affecting the onset of drag reduction in polymeric solution 9—77189
Sharma, R.S. *see* Joshi, B.K. 9—77249
Sharma, S. *see* Perez, C.A. 9—100745
Sharma, S. *see* Ray, A.K. 9—98734
Sharma, S. *see* Sharma, R.P. 9—51218
Sharma, S.C. Stereo and orthogonal options of the Artronix PC-12 implant dosimetry program 9—62371
Sharma, S.C., McNutt, J.D. Positronium yields in gaseous N_2 and N_2-Ne mixtures at 77K 9—98254
Sharma, S.C. *see* McNutt, J.D. 9—94092
Sharma, S.D., Mehrotra, K., Agrawal, V.K. Growth and polytypism in vapor-grown mixed cadmium halide crystals 9—69044
Sharma, S.D. *see* Goel, R.K. 9—68232, 9—89665
Sharma, S.D. *see* McMahan, M.A. 9—59441
Sharma, S.K., Kaw, P.K. Acoustoelectric absorption in semiconductors with energy-dependent relaxation time 9—56268
Sharma, S.K., Spitz, J. Hole growth in thin silver films 9—65345
Sharma, S.K., Virgo, D., Kushiro, I. Relationship between density, viscosity and structure of GeO_2 melts at low and high pressures 9—87431
Sharma, S.K. *see* Banerjee, H. 9—49424
Sharma, S.K. *see* Daftari, I.K. 9—89302
Sharma, S.K. *see* Debi, S. 9—57304, 9—72495
Sharma, S.K. *see* Kapoor, R.K. 9—92573
Sharma, S.M. *see* Shukla, A.K. 9—84764
Sharma, S.N. *see* Goel, R.K. 9—68232, 9—89665
Sharma, S.P. Atmospheric corrosion of silver, copper, and nickel-environmental test 9—66205
Sharma, S.P., Thomas, J.H., III, Bader, F.E. Development of a gentle accelerated corrosion test 9—61814
Sharma, S.P. *see* Thomas, J.H, III. 9—91848
Sharma, T. *see* McAdams, R.E. 9—85498
Sharma, T. *see* Otteson, O.H. 9—85519
Sharma, V.D. A note on the growth and decay of weak MGD discontinuities 9—86519
Sharma, V.D., Ram, R. On the propagation of a cylindrical MHD blast wave 9—98815
Sharma, V.P. Flow and heat transfer due to small torsional oscillations of a disk about a constant mean 9—68691
Sharma, Y.K. Electrical conduction of hot carriers in single-injection solid-state diodes with exponential trap distribution 9—99556
Sharman, J.K., Khan, D.C. Electronic dielectric constant of III-V semiconductors 9—65398
Sharman, P. *see* Batty, C.J. 9—98253
Sharman, P. *see* Davies, J.D. 9—55008, 9—86088
Sharman, S.C. *see* McNutt, J.D. 9—94091
Sharnopol'skaya, E.T. *see* Zablotskaya, N.S. 9—98594
Sharon, M. Electrical conduction in deuterated hydrogen bonded crystals 9—55926
Sharon, M., Pradhananga, R., Prasad, B., Bholagir, A. An inexpensive zone melting furnace for purification and crystal growth 9—52110
Sharon, M., Sharan, S.G., Prasad, B.M., Bholagir, A.P., Pradhananga, R.R. Saur vidyut kosh—the solar cell 9—62016
Sharov, A.M. *see* Bukatova, I.L. 9—55239
Sharov, A.S., Lyutyi, V.M., Esipov, V.F. Photoelectric photometry of star clusters in M31. III 9—62879
Sharov, E.M., Arkhipov, V.V. Automatic adjustment of fast-scanning Fourier spectrometer 9—80705
Sharov, V.A. *see* Lunkin, B.V. 9—88909
Sharov, V.G. Integral method of calculating a turbulent boundary layer in a uniform gas stream 9—72890
Sharov, V.K. *see* Vydrin, V.N. 9—100195
Sharova, N.G. *see* Tikhomolova, K.N. 9—70373
Sharovarov, G.A., Bernatskaya, A.M., Myshkin, V.A., Nitei, N.V., Michipor, V.V. Emergency cooling of a reactor with coolant dissociation 9—59157
Sharoyan, E.G. *see* Samuelyan, A.A. 9—95638
Sharp, D.H. *see* Bender, C.M. 9—58880, 9—89063
Sharp, D.J. Corrosion inhibition in sputter-deposited thin-film systems using an intermediary layer of palladium 9—79155
Sharp, D.J. *see* Mattox, D.M. 9—86968
Sharp, J.H. *see* Loutfy, R.O. 9—100527
Sharp, J.V. The use of steel and concrete in the construction of North Sea oil production platforms 9—78985
Sharp, L.R. *see* Chiu, Y.T. 9—84557
Sharp, N.A. Practical estimation of the angular covariance function 9—62920
Sharp, P.F. *see* Houston, A.S. 9—53233
Sharp, R.C. *see* Tsao, J.Y. 9—89928
Sharp, R.D., Johnson, R.G., Shelley, E.G. Energetic particle measurements from within ionospheric structures responsible for auroral acceleration processes 9—53644
Sharp, R.D. *see* Lennartsson, W. 9—84589
Sharp, W.E., Rees, M.H., Stewart, A.I. Coordinated rocket and satellite measurements of an auroral event. II. The rocket observations and analysis 9—75011
Sharp, W.E. *see* Shyn, T.W. 9—59585
Sharp, W.M. *see* Mynick, H.E. 9—90440
Sharpe, B. *see* Nickel, B.G. 9—93052
Sharpe, B.M. *see* Paris, R. 9—85618
Sharpe, M.R. *see* Lee, C.A. 9—88351
Sharpe, P.J.H. *see* DeMichele, D.W. 9—62209
Sharpe, P.R. An on-line data reduction system for photon correlation laser anemometry 9—60080
Sharpe, R.S. Current limitations of non-destructive testing in engineering 9—74326
Sharpe, W.N., Jr. *see* Chandawanich, N. 9—79063
Sharpey-Schafer, J.F. *see* Behbehani, A.H. 9—67621, 9—80896
Sharpey-Schafer, J.F. *see* Haas, B. 9—71783
Sharpey-Schafer, J.F. *see* Rammo, N.R.F. 9—59318
Sharpless, R.L. *see* Black, G. 9—64038, 9—81264, 9—83477
Sharvina, K.N. *see* Kolesov, G.Ya. 9—62675
Sharyi, V.M. *see* Kostyshin, M.T. 9—69512
Sharykin, N.K. *see* Braude, S.Ya. 9—97092
Shashi Mohan, A.L. *see* Palanna, O.G. 9—51576
Shashidara Prasad, J. *see* Narayana Achar, B. 9—94988
Shashidhar, M.A. *see* Shanbhag, P.V. 9—81209
Shashidhar, R., Venkatesh, G. High pressure studies on 4'-n-alkyl-4-cyanobiphenyls 9—95138
Shashidhar, R. *see* Chandrasekhar, S. 9—86699
Shashidhara Prasad, J. *see* Shivaprakash, N.C. 9—77590, 9—82195
Shashimohan, A.L. *see* Palanna, O.G. 9—78094
Shashin, M.Ya., Shokov, N.A. Evaluating fatigue damage in electrical copper from frequency change of natural vibrations 9—52498
Shashkov, D.P. Influence of high pressure on properties of molybdenum alloy MLT after nitriding 9—57137
Shashkov, Yu.M. *see* Gavrilov, K.I. 9—94977
Shashlov, B.A. *see* Lozhkin, B.T. 9—67416
Shashmin, V.K. *see* Korobko, V.I. 9—94722
Shaskol'skaya, M.P., Ch'ang Hai-Kuin, Katrich, M.D. Mechanical properties and plastic deformation of KDP, DKDP, ADP, and RDP crystals 9—79035
Shaskol'skaya, M.P. *see* Airapetov, A.Sh. 9—96030
Shaskol'skaya, M.P. *see* Dudnikova, V.B. 9—96008
Shastri, K. *see* Baltay, C. 9—75770
Shastry, B.S. Momentum dependence of effective Coulomb interaction in the magnetism of nickel 9—78298
Shastry, B.S. Phase transition in the two-dimensional disordered x-y model 9—82789
Shastry, B.S., Shenoy, S.R. Time dependent Ginzburg-Landau equations in spin glasses 9—61161
Shastry, C.V. *see* Sastry, D.H. 9—83274
Shastry, S. *see* Emigh, R.A. 9—63573
Shastry, S.S., Shinde, S.S. High-exposure ultraviolet response and sensitisation of $CaSO_4$:Dy 9—91506
Shastry, S.S. *see* Shinde, S.S. 9—85814
Shataev, V.G. Numerical integration of equations of theory of thin-wall beams with deformable contour 9—94500
Shatalin, S.V. *see* Veselov, D.V. 9—64204
Shatalov, B.N. *see* Merzhanov, A.G. 9—68664
Shatalov, G.E. *see* Golovin, I.N. 9—76123
Shatalov, G.E. *see* Gornostaev, B.D. 9—76130
Shatalov, G.E. *see* Velikhov, E.P. 9—71954, 9—76122
Shatashvili, L.Kh. *see* Naskidashvili, B.D. 9—53681, 9—80146
Shatiev, S.A. *see* Akimov, Yu.K. 9—49525
Shatkovskii, E. *see* Matulis, A. 9—69520
Shatnii, A.N. *see* Sokolov, S.N. 9—97540
Shatov, V.A. *see* Gracheva, G.G. 9—55240
Shatov, Yu.S. *see* Dorofeev, Yu.G. 9—77827
Shatrov, A.D. Losses in a multimodal double-layer fiber with random axial bends 9—90025
Shatrov, A.D. *see* Grigoryants, V.V. 9—76855
Shatrov, A.D. *see* Potapov, V.T. 9—81550
Shatskaya, L.S., Kosov, A.V., Skorikov, V.M. Selective etching of bismuth germanate in nonaqueous solutions of bromine 9—77601
Shatsova, S.A. *see* Rabinovich, L.V. 9—52388
Shatwell, R.A., McClure, D.S. A study of 3d→4s transitions by modulation spectroscopy 9—56768
Shatynski, S.R., Hirth, J.P., Rapp, R.A. Solid state displacement reactions between selected metals and sulfides 9—77841
Shau-Jin Chang An example of quantum tunneling in molecular physics 9—63894
Shau-Jin Chang *see* Bitar, K.M. 9—49399
Shaub, W.M., Lemont, S., Harvey, A.B. Interpretation coherent anti-Stokes Raman spectroscopy (CARS) spectral profiles 9—83523
Shaulov, A., Bell, M.I., Smith, W.A. Direct measurement of pyroelectric figures of merit of proper and improper ferroelectrics 9—95711
Shaulov, S.B. *see* Baiburina, S.G. 9—80156, 9—80170
Shautsukov, A.G. *see* Betuganov, M.A. 9—55771
Shavaiko, S.N. *see* Dorogov, V.N. 9—63189
Shavaliev, M.Sh. *see* Rudyak, V.Ya. 9—81924
Shave, A.J. *see* Baker, R.D. 9—89182
Shave, A.J. *see* Brown, R.M. 9—71761
Shaver, P.A., McGee, R.X., Pottasch, S.R. Cool gaseous nebulae 9—88726
Shaver, P.A. *see* Churchwell, E. 9—101193
Shaver, P.A. *see* Goss, W.M. 9—84839
Shaver, P.A. *see* van Gorkom, J.H. 9—75260
Shavishvili, T.M., Kiliptari, I.G. Distribution of hyperfine fields and magnetic perturbation in cobalt alloys with 3d transition metals 9—61263
Shavishvili, T.M., Meskhishvili, A.I., Andriadze, T.D. Magnetic properties of compounds (Ti,Zr,Hf)Mn_2 and $Co_3Mn_3Si_2$ 9—65655
Shavitt, I. The utilization of Abelian point group symmetry in the graphical unitary group approach to the calculation of correlated electronic wavefunctions 9—68193
Shavitt, I. *see* Bartlett, R.J. 9—85921
Shaviv, G. *see* Livio, M. 9—71097
Shavlovski, M. *see* Avdeichikov, V.V. 9—97711
Shavlovskii, E.N. *see* Epik, A.P. 9—52443
Shavrin, S.V. *see* Gorbachev, V.A. 9—68569
Shaw, A., Fisher, J., Hughes, D.W. A flow and volume calibrator for respiratory measuring equipment 9—96687
Shaw, A. *see* Cunningham, A.D. 9—57797
Shaw, B.H. Continuous tissue pressure monitor 9—100762
Shaw, B.R. Parametric interpolation of digitized log segments 9—62507
Shaw, C.B., Jr. *see* Gnanamuthu, D.S. 9—70198
Shaw, C.G., Fain, S.C., Jr. Condensation and compression of argon monolayers on graphite 9—65316
Shaw, C.G., Fain, S.C., Jr. Condensation and compression of argon monolayers on graphite 9—77906
Shaw, D.B. *(editor)* Meteorology Over the Tropical Oceans 9—88458
Shaw, D.F. Crime prevention measures 9—100465
Shaw, D.M. *see* Jackson, M.R. 9—84252
Shaw, D.T., Rajendran, N. Application of acoustic agglomerators for emergency use in liquid-metal fast breeder reactor plants 9—54525
Shaw, D.W. Morphology analysis in localized crystal growth and dissolution 9—99089
Shaw, E.A.G. Hearing protector attenuation: a perspective view 9—81619
Shaw, G. *see* Randa, J. 9—89126
Shaw, G.E. Inversion of optical scattering and spectral extinction measurements to recover aerosol size spectra 9—62578
Shaw, G.E. Sky brightness during the 26 February 1979 eclipse 9—92588
Shaw, G.L. *see* Faroughy, D. 9—63478
Shaw, H.J. *see* Chen, W.H. 9—57198, 9—57199
Shaw, J. Rapid changes in the magnitude of the archaeomagnetic field 9—74830
Shaw, J.B. *see* Elliott, R.A. 9—58809
Shaw, J.H. *see* Lin, C.L. 9—100461, 9—100462
Shaw, J.H. *see* Su, F. 9—93994
Shaw, L.L. Suppression of aerodynamically induced cavity pressure oscillations 9—98523
Shaw, M.J. Excimer lasers 9—59684
Shaw, M.P. *see* Frye, R.C. 9—99609
Shaw, P.B. *see* Young, E. 9—56143
Shaw, P.T., Watts, D.R., Rossby, H.T. On the estimation of oceanic wind speed and stress from ambient noise measurements 9—74963
Shaw, R.A. Getting at the source. Reducing radiation fields 9—59184
Shaw, R.H., Ward, D.P., Aylor, D.E. Frequency of occurrence of fast gusts of wind inside a corn canopy 9—100917
Shaw, R.H. *see* Takle, E.S. 9—92062
Shaw, R.L. Supernovae: a new selection effect 9—80328
Shaw, R.R. *see* Grunett, D.A. 9—84733
Shaw, S.J. *see* Gledhill, R.A. 9—70293
Shaw, T.M., Krivanek, O.L., Thomas, G. Glass-free grain boundaries in BeSiN ceramics 9—90671
Shaw, T.M., Thomas, G. Transmission electron microscopy: direct observation of crystal structure in refractory ceramics 9—60339
Shaw, T.M. *see* Krivanek, O.L. 9—90895
Shawhan, S.D. *see* Cronyn, W.M. 9—58214
Shawl, S.J. *see* Martin, P.G. 9—92835
Shay, D. Spin-s tachyons and the propagation of tachyon waves. I. Spin-s tachyons 9—58890
Shay, D., Miller, K.L. Spin-s tachyons and propagation of tachyon waves. II. Propagation of tachyon waves 9—58891
Shay, J.L., Beni, G. Anodic iridium oxide films; a new electrochromic 9—99851
Shaya, E.J. *see* Jenkins, E.B. 9—92818
Shayeb, H.A.El *see* El Shayeb, H.A.
Shchagin, A.V. *see* Tomosov, A.P. 9—49617

Shchagina, L.V., Grinfel'dt, A.E., Lev, A.A. Interaction of countercurrent cation fluxes in gramicidin channels passing through bilayer lipid membranes 9—70528
Shchanov, M.F. Effect of pressure on the shift of zero-phonon lines of organic impurity crystals 9—95824
Shchavelev, O.S., Babkina, V.A. A system for calculating optical and thermooptical properties of phosphate glasses from their chemical composition 9—65826
Shchavelev, O.S., Plutalova, N.Yu. Dependence of thermooptical constant Q of silicate and phosphate glasses on their chemical composition 9—99861
Shchavelev, O.S. *see* Mik'kin, V.M. 9—76776
Shchayenko, V.V. *see* Vinogradov, Ye.A. 9—93168
Shcheblykin, Yu.V. *see* Mylnikov, G.D. 9—86182
Shchedrina, L.V. *see* Itskovskii, M.A. 9—87401
Shchedrov, V.B. *see* Ivanov, V.A. 9—97885
Shcheglov, D.A. The influence of MHD activity on the behaviour of impurities in a Tokamak 9—98866
Shcheglov, D.A. *see* Berlizov, A.B. 9—55545
Shcheglov, V.A. *see* Gavrikov, V.F. 9—64217
Shcheglov, V.A. *see* Oraevskii, A.N. 9—55125
Shcheglov, V.A. *see* Virnik, Ya.Z. 9—94265
Shcheglov, V.B. *see* Bokhan, P.A. 9—64213
Shchegolev, E.A., Polyakov, V.V. Computation of equations of state of metals 9—90753
Shchegolev, G.M. The energy efficiency of thermoelectric generators with permeable thermoelements 9—66414
Shchegolev, G.M., Khvostenko, A.S., Orlov, V.V. Acceleration of liquids by intermittent (pulsed) vaporization 9—94701
Shchegolev, S.Yu. *see* Khlebtsov, N.G. 9—64180
Shchegoleva, N.N. *see* Shur, Ya.S. 9—70176
Shchegoleva, T.M. *see* Starikova, Z.A. 9—60350
Shchegol'kova, L.A. *see* Gavrilov, K.I. 9—94977
Shchekin, I.E. Effect of surfactant on bubble motion close to a solid wall 9—81954
Shchekin, M.N. *see* Sholpo, L.Ye. 9—62490
Shchekolov, A.N. *see* Babin, A.A. 9—72629
Shchelkotunov, V.A. *see* Tret'yakov, Yu.D. 9—86905
Shchelokov, A.N. *see* Babin, A.A. 9—64281
Shchelokova, N.B. *see* Korableva, A.A. 9—66345
Shchemelev, V.N. *see* Kruglov, M.V. 9—69960
Shchennikov, V.V. *see* Byrkin, A.P. 9—50749
Shchepankovski, T. *see* Avdeichikov, V.V. 9—97711
Shchepanskii, Ya.S. *see* Ivashchenko, R.K. 9—91664
Shchepetkin, Yu.A. *see* Vouk, Yu.V. 9—94178
Shchepetkin, Yu.A. *see* Vovk, Yu.V. 9—94179
Shchepkin, D.N. *see* Kolomiitsova, T.D. 9—98128
Shchepkin, M.G. *see* Kobzarev, I.Yu. 9—67514, 9—93380
Shcherbach, T.A. *see* Dudkin, K.N. 9—57646
Shcherbachenko, R.I. *see* Eselson, B.N. 9—51330
Shcherbakov, A.G. Ca II infrared triplet in the spectra of UV Ceti stars 9—88691
Shcherbakov, A.I. *see* Krivusha, Yu.V. 9—52164
Shcherbakov, A.M. The volume distribution of lunar density. I 9—70972
Shcherbakov, E.A. *see* Bozhevol'nyi, S.I. 9—98511
Shcherbakov, G.V. *see* Barsov, S.G. 9—87370
Shcherbakov, G.V. *see* Baturin, V.N. 9—85477
Shcherbakov, I.A. *see* Arapova, E.Y. 9—52021
Shcherbakov, V.D. *see* Dautov, G.Yu. 9—69992
Shcherbakov, V.N. *see* Ivanov, A.P. 9—54178
Shcherbakov, V.P., Shcherbakova, V.V. Susceptibility of interacting superparamagnetic grains 9—99733
Shcherbakov, Yu.A. *see* Balestra, F. 9—76041, 9—85427, 9—85495, 9—85513, 9—85517
Shcherbakov, Yu.A. *see* Falomkin, I.V. 9—85376
Shcherbakova, E.V. *see* Ermolenko, A.S. 9—99728
Shcherbakova, L.E. *see* Maslov, V.P. 9—72732, 9—79133
Shcherbakova, L.G., Lyashenko, L.P., Raevskii, A.V. Dislocation mechanism of diffusion processes in the systems TiO_2-M_2O_3 (M is Al, Sc, Y, or Er) 9—77837
Shcherbakova, L.G. *see* Glushkova, V.B. 9—52188
Shcherbakova, M.Ya., Nadolinnyi, V.A., Sobolev, E.V. The N3 center in natural diamonds, from ESR data 9—51842
Shcherbakova, N.I., Ivleva, E.E. Indexing claws for professional motion picture cameras 9—49325
Shcherbakova, T.N. *see* Zhiglinskii, A.G. 9—52828
Shcherbakova, T.V., Fokina, I.L., Ivanov, N.N. Data interpretation of an acoustic wave log 9—84539
Shcherbakova, V.M. *see* Popova, N.N. 9—87786
Shcherbakova, V.V. *see* Shcherbakov, V.P. 9—99733
Shcherban', A.N., Chernyak, V.P., Braicheva, N.A., Kireev, V.A., Mats'kovaya, A.G. Theoretical basis for calculating the parameters of the microclimate in underground railway tunnels 9—68548
Shcherban', A.N., Zolotarenko, Yu.P., Chernyak, V.P. Heat transfer in polymeric and disperse systems. Heat transfer in forced convection in Bingham fluids 9—68762
Shcherbanina, G.B. *see* Pogorelov, V.I. 9—64724
Shcherbedinskii, G.V. *see* Alekseev, V.I. 9—52160
Shcherbina, E.I. *see* Dmitrieva, A.K. 9—51569
Shcherbina, G.P. *see* Kharitinych, N.E. 9—70272
Shcherbina-Samoilova, I.S. Cosmic rays of solar origin 9—66893
Shcherbina-Samoilova, M.B. *see* Gaidukov, Yu.P. 9—91164
Shcherbinin, O.N. *see* D'yachenko, V.V. 9—55482
Shcherbinin, O.N. *see* Gladkovskii, I.P. 9—98927
Shcherbinin, V.E. *see* Shur, M.L. 9—91895
Shcherbinskii, V.G., Belyi, V.E., Urman, N.S. Ultrasonic inspection with the use of new measuring scales 9—52567
Shcherbinskii, V.G., Samorodskii, V.N., Blyumen, A.L., Samsonov, V.D., Zorin, A.M., Maksimov, I.I., Nikolaev, G.A., Fridlendr, L.M. Automatic measuring instrument for the echo-signal amplitude of an ultrasonic flaw detector 9—79212
Shcherbinskii, V.G. *see* Gurvich, A.K. 9—87768
Shchesno, L.P., Eremenko, A.S., Taraban, A.I. Effect of heat treatment in vacuum on the corrosion resistance of Cr-Ni-Mo steels 9—87754
Shchetanov, B.V., Gorobets, B.R., Chernyak, A.I., Kondratenko, A.V. Determination of the diameter of filamentary silicon carbide crystals by the X-ray extinction method 9—97343
Shchetanov, B.V., Prilepskii, V.N., Chernyak, A.I. Strength of ceramics reinforced with high-strength fibers 9—87723
Shchetinin, A.A., Drozhzhin, A.I., Sedykh, N.K., Novokreshchenova, E.P. Photoconverters based on silicon-crystal whiskers 9—67386
Shchetinina, N.V. *see* Pankratov, N.A. 9—71529
Shchetnikov, A.E. *see* Zvereva, V.I. 9—51812
Shcheveleva, G.M. Electron-probe microanalysis of filamentary silicon crystals 9—77538
Shchiglovskii, K.B., Aksel'rod, V.S. Measuring instruments for the parameters of an electrostatic field and their calibration 9—75551
Shchipakin, O.L. *see* Gornostaev, B.D. 9—76130
Shchipunov, Yu.A. Stabilization of bilayer lipid membranes by polymer resins 9—57288
Shchuka, T.I. *see* Andreyeva, L.A. 9—62634
Shchukin, A.V. The turbulent boundary layer on a curvilinear surface 9—81861
Shchukin, A.V. *see* Lokai, V.I. 9—81878
Shchukin, E.B. *see* Polukarova, Z.M. 9—57201
Shchukin, E.D., Pertsov, N.V. Rebinder effect in mechanical working of solid bodies 9—56992
Shchukin, E.D. *see* Geguzin, Ya.E. 9—65109
Shchukin, E.D. *see* Matvienko, V.N. 9—55813
Shchukin, E.D. *see* Vaganov, V.P. 9—65332
Shchukin, E.M. Automatic device for simultaneous photography of lunar craters with stars through the window of a special shutter 9—92675
Shchukin, E.R. *see* Yalamov, Yu.I. 9—57298, 9—72787
Shchukin, V.A. *see* Mingazov, B.G. 9—81996
Shchukin, V.A. *see* Prokhorov, S.O. 9—52570
Shchukin, V.K. Heat transfer inside a rotating rectangular cavity 9—81899
Shchukin, V.K., Khalatov, A.A., Kozhevnikov, A.V., Letyagin, V.G. Flow and heat transfer in the inlet zone of a tube with injection into swirled flow 9—98717
Shchukin, V.K., Koval'nogov, N.N., Filin, V.A., Mironov, A.I. Heat transfer between a flow containing condensed liquid particles and a wall on which a solid surface layer of condensate forms 9—86426
Shchukin, V.K., Mironov, A.I., Filin, V.A., Koval'nogov, N.N. Correlation of experimental data on two-phase-flow heat transfer in convergent part of a nozzle 9—81958
Shchukin, V.K., Olimpiev, V.V. Local heat transfer from a disk rotating in a jacket in the presence of a transitional boundary layer 9—94608
Shchukin, V.P. *see* Titov, A.M. 9—88561
Shchupak, V.I. *see* Besedovskii, R.Z. 9—72585
Shchur, L.N. *see* Zakharov, V.E. 9—89068
Shchuraleva, Z.V. *see* Chistov, S.F. 9—81310
Shchurov, A.F., Fridman, Yu.B., Sysoev, A.N. Creep of a cellular polymer in the vitreous state 9—96092
Shchus, A.F. *see* Rikovska, J. 9—59031
Shchutskii, V.I., Sidorov, A.I., Sitchikhin, Yu.V. Unified equivalent circuit of the resistance of the human body 9—53295
Shchyogolev, S.Yu. *see* Khlebtsov, N.G. 9—72496
Shchyogolev, V.A. *see* Verkin, B.I. 9—58732
Shdanov, A.V. *see* Borodin, V.A. 9—61513
She, C.Y. Individual particle scattering and single-burst digital correlation for remote atmospheric wind measurements 9—100980
She, C.Y. *see* Bartlett, K.G. 9—62609
Shea, M.F. *see* Cline, D.B. 9—68004, 9—68005
Shea, T. *see* Hough, G. 9—85678
Sheard, F.W., Bowley, R.M. Dynamical interaction of negative ions with superfluid ^{4}He 9—55954
Sheard, F.W. *see* Challis, L.J. 9—60441
Sheard, S. *see* Yates, J.T., Jr. 9—57292
Shearer, D.N. *see* Farber, E.A. 9—62129
Shearer, J., Kleitman, D.J. Probabilities of independent choices being ordered 9—75325
Sheats, J.R., McConnell, H.M. A photochemical technique for measuring lateral diffusion of spin-labeled phospholipids in membranes 9—100583
Shebalin, J.V. Flat Earth upward continuation 9—84078
Shebalina, T.Yu. *see* Nikonov, A.A. 9—92505
Shebatinov, M.P. *see* Maslov, L.I. 9—52370
Shebeko, S.M., Koltunov, M.A., Morgunov, B.I. Vibration of a viscoelastic cylinder with an elastic shell subjected to random forces 9—59941
Sheberstov, V.I. *see* Ivanov, B.M. 9—70378
Sheberstov, V.I. *see* Shapka, V.Kh. 9—58832
Sheberstov, V.I. *see* Sidnin, A.I. 9—100417
Sheboul, M.I. *see* Ekardt, W. 9—60717
Shechter, H., Suzanne, J., Dash, J.G. Diffusion and melting of absorbed monolayers by Mossbauer spectroscopy 9—61270
Sheedy, J.E., Saladin, J.J. Association of symptoms with measures of oculomotor deficiencies 9—96556
Sheedy, J.E. *see* Saladin, J.J. 9—96563
Sheehan, J. *see* Batchelor, K. 9—72086
Sheel, S. *see* Mahalanabis, A.K. 9—79998
Sheeley, N.R., Jr. *see* Harvey, J.W. 9—58312
Sheelhouse, W. *see* Johns, O.T. 9—57799
Sheem, S.K., Giallorenzi, T.G. Single-mode fiber-optical power divider: encapsulated etching technique 9—50433
Sheem, S.K., Giallorenzi, T.G. Single-mode fiber multiterminal star directional coupler 9—98473
Sheets, H.A., Bell, K.J. Ocean thermal energy conversion—a program overview 9—92066
Shefer, L.A., Ezhov, V.G. Effect of the character of the structure of random processes on life 9—66160
Shefer, R.E., Bekefi, G. Stark broadening induced by the intense electric field of a pulsed relativistic magnetron 9—89635
Shefer, R.E., Lazarus, A.J., Bridge, H.S. A reexamination of plasma measurements from the Mariner 5 Venus encounter 9—80258
Shefer, R.E. *see* Bekefi, G. 9—98439
Shefner, J.M., Levine, M.W. An analysis of receptor inputs to and spatial distribution of ganglion cell on and off processes 9—100606
Sheftal', R.N., Nikitin, K.V., Savitskaya, Ya.S., Ormont, A.B. Problem of making single-crystal films of complex ferroelectric semiconductors of the type $A^{V}B^{VI}C^{VII}$ 9—78905
Sheftel', E.N. *see* Grigorovich, V.K. 9—56983
Shegeda, A.N. *see* Kurkin, N.N. 9—68419
Shei, S.-S. Non-perturbative effects in e^+e^- annihilation in quantum chromodynamics 9—89173
Shei-Kung Shi *see* Campbell, C.T. 9—79294
Sheih, C.M. A puff pollutant dispersion model with wind shear and dynamic plume rise 9—57996
Sheih, C.M., Finnigan, J.J., Bradley, E.F., Mulhearn, P.J. Experimental determination of probe-length requirements for studies of the turbulent wakes behind a cylinder 9—68688
Sheih, C.M., Mulhearn, P.J., Bradley, E.F., Finnigan, J.J. Pollutant transfer across the cavity region behind a two-dimensional fence 9—70476
Sheikh, N. *see* Rawer, K. 9—58173
Sheikh, N.M. *see* Bilitza, D. 9—101020
Sheikhet, E.G. *see* Trainin, A.L. 9—95019
Sheikholeslam, M. *see* Forbes, L. 9—73595
Sheiko, L.M., Miroshnichenko, F.D., Chervonev, L.S. Influence of plane stress state on the distribution of spontaneous magnetisation in a triaxial ferromagnet 9—61071
Sheiko, L.M. *see* Zolotarevskii, I.V. 9—82850
Sheiko, V.I. *see* Lyk'yanov, V.F. 9—91794
Sheiman, J. Gluon operator coefficients in electroproduction 9—58926
Sheiman, J. *see* Georgi, H. 9—89163
Sheina, G.G., Radchenko, E.D., Blagoi, Yu.P., Verkin, B.I. Charge-transfer complexes of nucleic acid bases 9—70507
Sheinerman, S.A. *see* Amus, M.Ya. 9—59413
Sheinerman, S.A. *see* Amus'ya, M.Ya. 9—50140
Sheinin, S.S., Jap, B.K. On the validity of assuming symmetrical Laue diffraction conditions in calculations of diffraction contrast 9—50961
Sheinis, E.G. *see* Velichko, G.V. 9—89023
Sheinkman, A.G., Petrov, V.A., Kozyrev, V.D. Features of operating calculations of permissible power for channel reactors at Beloyarskaya Atomic Electric Power Plant 9—80984
Sheinkman, M.K. *see* Bobyl', A.V. 9—95828
Sheinkman, M.K. *see* Kudykina, T.A. 9—78114
Sheinkman, M.K. *see* Ostapenko, S.S. 9—73981
Sheinkman, M.K. *see* Vorob'ev, Yu.V. 9—51594
Sheinkman, V.A. *see* Vaisenberg, A.O. 9—75987
Sheinman, I. Forced vibration of a curved beam with viscous damping 9—50622
Sheino, I.N. *see* Khokhlov, V.F. 9—59104
Sheino, I.N. *see* Khokhlov, V.G. 9—71928
Shek, M.L. *see* Weissman, D.L. 9—78833
Sheka, D.I. *see* Sidenko, T.S. 9—69803
Sheka, E.F. *see* Krivenko, T.A. 9—51956
Sheka, E.F. *see* Meletov, K.P. 9—56838
Shekalov, B.I. *see* Chashnikov, D.I. 9—52229
Shekeljan, V.I. *see* Berge, J.P. 9—71741
Shekhar, M.C., Dayanand, C., Nagabhooshanam, M., Babu, V.H. I-V characteristics of sandwiched Al-MoO_3-Al structures 9—91156
Shekhtam, V.L. *see* Malyshev, V.A. 9—69890
Shekhter, R.I. *see* Sidorenko, A.S. 9—56459
Shekhter, Yu.L. *see* Kuleshov, V.A. 9—55370

Shekhter, Yu.L. *see* Petukhov, B.S. 9—86427
Shekhtman, G.A. A technique for horizontal stacking of records in vertical seismic profiling 9—62619
Shekhtman, I.A. *see* Budker, G.I. 9—72176
Shekhtman, V.Sh. *see* Abdikamalov, B.A. 9—69245
Shekhtman, V.Sh. *see* Shmyt'ko, I.M. 9—61315
Shekk, Yu.B., Kovalenko, N.P., Alfimov, M.V. Conformational isomerism and the luminescence spectra of 'nonrigid' organic molecules 9—85991
Shekshеyev, E.M. *see* Kayushin, L.P. 9—92183
Shelaev, I.A. *see* Aksenov, V.G. 9—54224
Shelaev, I.A. *see* Baldin, A.M. 9—72125
Shelby, J.E. Helium migration in alkali germanate glasses 9—51308
Shelby, J.E. Radiation effects in hydrogen-impregnated vitreous silica 9—87874
Shelby, J.E., Mattern, P.L., Ottesen, D.K. Radiation-induced isotope exchange in vitreous silica 9—99240
Shelby, R.M., Macfarlane, R.M. Population hole-burning using a triplet reservoir: $S_1 \leftarrow S_0$ transition of zinc porphin in n-octane 9—87491
Shel'deshov, N.V., Gnusin, N.P., Zabolotskii, V.I. Equipment for an all-round electrochemical investigation of ion-exchange membranes 9—91970
Sheldon, E. The structure and physics of neutron stars 9—67046
Sheldon, E. Black-hole phenomena 9—71064
Sheldon, P. *see* Kazmerski, L.L. 9—83603
Sheldon, R.L. *see* Hjeresen, D.L. 9—100634
Sheldrick, G.M. *see* Jones, P.G. 9—69074
Sheleg, A.U., Savastenko, V.A. Root-mean-square dynamic displacements of atoms and structure amplitudes of indium nitride 9—99154
Shelekhin, Yu.L. *see* D'yakonov, M.N. 9—69418
Shelekhov, A.L. *see* Golovashkin, A.I. 9—87421
Shelemin, E.B. *see* Granovskii, A.B. 9—64344
Shelepin, L.A. *see* Karasev, V.P. 9—58903, 9—75700
Shelepin, L.A. *see* Potekhin, V.K. 9—86129
Shelest, A.E. *see* Pavlov, I.M. 9—87707
Shelestov, V.M. *see* Gimanov, V.P. 9—53288
Shelimanov, V.A. *see* Borovs'kii, V.P. 9—50695
Shelimova, L.E. *see* Abrikosov, N.Kh. 9—52177
Shelimova, L.E. *see* Karpinskii, O.G. 9—51250
Sheline, R.K. *see* Bagnell, R.D. 9—89237
Sheline, R.K. *see* Mann, L.G. 9—54378
Sheline, R.K. *see* Tanaka, Y. 9—59000
Shelkov, G.A. *see* Vertogradov, A.S. 9—68131
Shelkov, G.A. *see* Vertogradov, L.S. 9—68166
Shelkovenko, A.N. *see* Barinov, N.U. 9—54356
Shelkovnikov, Yu.K. *see* Gos'kov, P.I. 9—67261, 9—71425
Shell, G.S. An electronic thermometer 9—80615
Shellard, I.J. Acoustic paramagnetic resonance spectra of Cr^{2+} MgO and CaO 9—87313
Shellard, I.J. *see* Bates, C.A. 9—99756
Shelley, E.G. Heavy ions in the magnetosphere 9—80104
Shelley, E.G. *see* Lennartsson, W. 9—84589
Shelley, E.G. *see* Sharp, R.D. 9—53644
Shelly, H.Stanton *see* Stanton Shelly, H.
Shelonin, E.A. *see* Fistul', V.I. 9—65143
Shelton, J.C. *see* Gyorgy, E.M. 9—78345
Shelton, R.D., Morrissey, J.A. Electronic detector for conducting particles and fibrils 9—62164
Shelton, R.N. *see* Azevedo, L.J. 9—56380
Shelton, R.N. *see* Lynn, J.W. 9—78321
Shelton, R.N. *see* McCallum, R.W. 9—51720
Shelus, P.J. *see* Mulholland, J.D. 9—62789, 9—75139
Shelykh, A.I. *see* Kulikova, I.N. 9—99909
Shelykh, A.I. *see* Stepanova, M.I. 9—85160
Shelykh, A.I. *see* Zhuze, V.P. 9—69859
Shem Jue-lian *see* Jue-lian Shem
Shemansky, D.E., Sandel, B.R., Broadfoot, A.L. Voyager observations of the interstellar medium in the 500- to 1700-Å spectral region 9—53878
Shemansky, D.E., Sandel, B.R., Broadfoot, A.L. Voyager spectral observations of the Cygnus Loop nebula, 600-1700 Å 9—92816
Shembel', B.K. *see* Balbekov, V.I. 9—63829
Shembel', E.M. *see* Ksenzhek, O.S. 9—61870
Shemchuk, E.S. *see* Nasibov, A.S. 9—59743
Shemer Lev *see* Lev Shemer
Shemetov, V.V. *see* Vorob'ev, V.V. 9—94305
Shem'i-Zade, A.E. Biotropicity of geomagnetic perturbations as a consequence of the rise in the specific radioactivity of air induced by them (posing of problem) 9—96621
Shem'i-zade, V.E. *see* Kenzhaev, K. 9—68294
Shemonaev, G.P., Makhan'kov, V.I., Sidorenko, I.S. A floating level indicator for liquid helium 9—67305
Shemshura, V.E. *see* Agafonov, E.A. 9—100866
Shemyakov, A.A. *see* Kovtun, N.M. 9—95580
Shen, L.N., Estle, T.L. An investigation of the nature of the Jahn-Teller effect for Ni^{3+} in Al_2O_3 by electron paramagnetic resonance 9—82564
Shen, L.N., Estle, T.L. The effects of applied stress on the electron paramagnetic resonance spectra of Ni^{3+} in Al_2O_3 9—82862
Shen, M. *see* Soong, D. 9—96062
Shen, P. Supersonic flow over a deep cavity for a laser application 9—98748
Shen, P. *see* Gentry, J.W. 9—90354
Shen, P.I-Wu *see* I-Wu Shen, P.
Shen, S. *see* Parekh, L.P. 9—64404
Shen, S.F. *see* Hieber, C.A. 9—77038
Shen, S.S., Schwall, R.E. Transient loss analysis and measurements on normal conductors and composite superconductors 9—60978
Shen, S.Y. *see* Bhattacharya, S. 9—55828, 9—55829
Shen, T.M. *see* Richards, P.L. 9—56395
Shen, T.T., Chen, M., Lauber, J. Incineration of toxic chemical wastes 9—57496
Shen, W.C.C. *see* Grody, N.C. 9—100906
Shen, Y.R. *see* Bischofberger, T. 9—54183
Shen, Y.R. *see* Inoue, K. 9—82323
Shen, Y.R. *see* Jacobson, A.G. 9—59754
Shen, Y.R. *see* Oudar, J.-L. 9—75605
Shen, Y.R. *see* Sudbo, A.S. 9—76476
Shen Bao-Gen *see* Guo Hoi-Qun 9—51830
Shen Jian-ping *see* Li Guang-lie 9—80956
Shen Liang-Chao, Tze Ti-Shen, Chiang Chao Chi A photoelectric light curve of the eclipsing binary CG Virginis and its solution 9—53857
Shen Nai-cheng Precise measurements of the fundamental physical constants—its significance in physical science and metrology 9—75487
Shen Nai-cheng, An Chia-luan, Wu Yao-hsiang, Sun I-min, Shih Han-chien Performance investigation of iodine saturated absorption stabilized He-Ne lasers 9—59717
Shen Qi-xing, Huang Tao The pseudoscalar gluon and the hadron structure 9—75745
Shen Wen-da *see* Xu Zhi-zhan 9—63807
Shen Xue-chu Energy states of semiconductors under high pressure 9—56128
Shen-Maw Lin *see* Barker, J.R. 9—63952
Shenberg, C. *see* Boazi, M. 9—52975
Shenderov, E.L. *see* Kheifets, E.I. 9—64464
Shenderov, E.L. *see* Ryzhei, Yu.E. 9—90102
Shenderovich, A.L. *see* Aksenov, I.D. 9—61556
Shenderovskaya, O.Ya. *see* Zavoiskaya, I.N. 9—96738
Shenderovskii, V.A., Gorley, P.N. Warm electron conductivity in lead chalcogenides 9—91066
Shenderovskii, V.A. *see* Semchuk, A.Yu. 9—94299
Sheng, H. *see* Stanley, D.J. 9—70782
Sheng, S.J. *see* Carmichael, I.C. 9—72348
Sheng, T.T. *see* Celler, G.K. 9—73183
Sheng, T.T. *see* Dishman, J.M. 9—78191
Sheng, T.T. *see* Poate, J.M. 9—70365
Sheng, T.T. *see* Rozgonyi, G.A. 9—74027
Sheng, T.T. *see* Tsaur, B.Y. 9—90682
Sheng, Y.P., Lick, W. The transport and resuspension of sediments in a shallow lake 9—70816
Sheng Dai Lo *see* Lo Sheng Dai
Sheng Guo-Ying *see* Feng De-Yi 9—62435
Sheng Kang-lung *see* Li Ming-chien 9—61925
Sheng-kang Lin *see* Lin Sheng-kang
Sheng-tien Yang *see* Yang Sheng-tien
Shenitzer, A. *(translator)* A simple non-Euclidean geometry and its physical basis 9—62989
Shenker, S.H. *see* Fradkin, E. 9—85231
Shenkin, P. *see* Hecht, C.E. 9—69239
Shenoi, B.A. *see* Roy, S. 9—52466
Shenoy, A.S., Boyack, B.E. Development and validation of systems simulation methods for the GCFR 9—54486
Shenoy, G.K., Dunlap, B.D. Characteristics of Mossbauer transitions 9—87364
Shenoy, G.K., Dunlap, B.D. Energy equivalents of one mm/sec 9—87365
Shenoy, G.K., Dunlap, B.D. Mossbauer source preparation 9—87366
Shenoy, G.K., Dunlap, B.D. Constants in isomer shift expressions 9—87367
Shenoy, G.K., Dunlap, B.D., Fradin, F.Y., Kimball, C.W., Potzel, W., Probst, F., Kalvius, G.M. Magnetic interactions in ternary superconductors 9—73613
Shenoy, G.K., Wagner, F.E., Kalvius, G.M. The measurement of isomer shifts 9—87349
Shenoy, G.K. *see* Dunlap, B.D. 9—56651
Shenoy, G.K. *see* Friedt, J.M. 9—78578, 9—95692
Shenoy, G.K. *see* Kalvius, G.M. 9—85409, 9—85410
Shenoy, G.K. *see* Kimball, C.W. 9—56650
Shenoy, G.K. *see* Ruby, S.L. 9—87360
Shenoy, G.K. *see* Viccaro, P.J. 9—78579
Shenoy, G.K., Wagner, F.E. *(editor)* Mossbauer isomer shifts 9—87346
Shenoy, R.K., Ramakrishna, J., Jeffrey, K.R. A simple and inexpensive two channel boxcar integrator [for pulsed NMR spectrometer] 9—80657
Shenoy, S.K., Mockel, A.J. Invariant imbedding equations in general geometries: Numerical solution in spherical geometry 9—76050
Shenoy, S.R. *see* Biswas, A.C. 9—55986
Shenoy, S.R. *see* Shastry, B.S. 9—61161
Shenoy, S.U. *see* Nigaguna, B.T. 9—62083
Shepard, H.K. *see* Harrington, B.J. 9—59029
Shepard, J. *see* Bartlett, D.F. 9—97549
Shepard, J.R., Anderson, R.E., Kraushaar, J.J., Ristinen, R.A., Comfort, J.R., King, N.S.P., Bacher, A., Jacobs, W.W. The (p,t) reaction on ^{12}C, ^{54}Fe and ^{208}Pb at 80 MeV 9—67656
Shepard, J.R. *see* Boudrie, R.L. 9—85540
Shepard, K.W. Initial operation of the Argonne superconducting heavy-ion linac 9—67985
Shepard, N.F., Jr., Sanchez, L.E. The application of photovoltaic roof shingles to residential and commercial buildings 9—52907
Shepel', L.G. *see* Kovalenko, V.F. 9—56858
Shepelev, A.G., Ledenev, O.P., Filimonov, G.D. On the anomalous penetration of sound along electron trajectories in magnetic field in pure gallium 9—87191
Shepelev, A.V. Calculation of the temperature distribution and the focal length of the thermooptic lenses in a solid-state laser 9—72575
Shepelev, Yu.F. *see* Smolin, Yu.I. 9—94978, 9—94996
Shepelevich, L.G. *see* Gurbatov, S.N. 9—94389
Shepelevich, V.V., Bokut', B.V. Absorptive optically active crystal between crossed polarizers 9—61329
Shepelevich, V.V., Chikova, T.S. Singular directions in absorbing optically active crystals 9—78646
Shepel'skii, G.A. *see* Gasan-zade, S.G. 9—69553, 9—78137, 9—78138
Shepel'skii, N.V., Buzunov, G.A. An equation for the granule-size distribution in centrifugally atomized aluminium melts 9—100080
Shepelyakovskii, K.Z. *see* Lobozov, V.P. 9—96153
Shepertycki, T. *see* Morton, B.C. 9—70633
Shephard, W.D. *see* Biswas, N.N. 9—63556
Shephard, W.D. *see* Polychronakos, V.A. 9—49539
Shepherd, D.A. *see* Aldridge, E.E. 9—83421
Shepherd, F.R. *see* Feenstra, R.M. 9—73605
Shepherd, G.G. *see* Bunn, F.E. 9—75012
Shepherd, I.E. A silt-salinity-depth profiling instrument 9—88493
Shepherd, I.W. *see* Adshead, A. 9—91457
Shepherd, O. *see* Zehnpfennig, T.F. 9—75576
Shepilov, I.A. *see* Skidan, B.S. 9—100103
Shepitinovskii, G.V. *see* Deryagin, B.V. 9—69320, 9—94503
Sheplev, V.S., Luss, D. Steady state multiplicity of fluidized bed reactors. The solid-circulation model 9—86524
Shepley, L.C. *see* Rosenbaum, M. 9—58607
Shepolut, D.V. *see* Vouk, Yu.V. 9—94178
Shepp, L.A. *see* Maydan, D. 9—66544
Sheppard, C.J.R., Wilson, T. Effect of spherical aberration on the imaging properties of scanning optical microscopes 9—58783
Sheppard, C.J.R. *see* Almeida, J.B. 9—72723
Sheppard, C.J.R. *see* Cooke, D.J. 9—81385
Sheppard, C.J.R. *see* Solymar, L. 9—72532
Sheppard, C.J.R. *see* Wilson, T. 9—97430
Sheppard, D.M. *see* Hurster, W. 9—67571
Sheppard, H.M. *see* Behbehani, A.H. 9—67621
Sheppard, H.M. *see* Rammo, N.R.F. 9—59318
Sheppard, J.C. *see* Campbell, M.J. 9—58012
Sheppard, J.C. *see* Rothbart, G.B. 9—59784
Sheppard, N. *see* Kember, D. 9—67399
Sheppard, R.J. *see* Szwarnowski, S. 9—93164
Sheppard, T., Tutcher, M.G., Flower, H.M. Development of recovered dislocation substructures during plastic flow 9—83273
Shepstone, B.J. Diagnostic visualization 9—79612
Sheptun, V.I. *see* Apatovskii, L.E. 9—68710
Sher, A., Miller, W.E., Tsuo, Y.H., Moriarty, J.A., Crouch, R.K., Seiber, B.A. LaF_3 insulators for MIS structures 9—78182
Sher, A. *see* Chen, A.-B. 9—73435
Sher, A.A., Odin, I.N., Novoselova, A.V. Interaction in the system Sn-Bi-Se 9—87622
Sher, E.S. *see* Volkov, V.V. 9—99740
Sher, M.A. *see* Mahanthappa, K.T. 9—67470, 9—97559
Shera, E.B. *see* Yamazaki, Y. 9—64123
Sherbany, A.A., Ambron, R.T., Schwartz, J.H. Membrane glycolipids: regional synthesis and axonal transport in a single identified neuron of Aplysia californica 9—83755
Sherbini, S.S., Shahabi, I. Investigation of the response of NaI(Tl) scintillation detectors using an X-ray monochromator 9—93876
Sherbinskii, V.G. *see* Ermolov, I.N. 9—96269
Sherbourne, A.N. *see* Haydl, H.M. 9—64505
Sherby, O.D. *see* Sunada, H. 9—57012
Shercliff, J.A. Thermoelectric magnetohydrodynamics 9—50806
Shercliff, J.A. Two-dimensional plasma equilibria 9—60167
Shercliff, J.A. Thermoelectric magnetohydrodynamics in closed containers 9—64787
Shercliff, J.A. *see* Hancox, R. 9—71976
Sherden, D.J. *see* Cooper, P.S. 9—58540
Sherden, D.J. *see* Prescott, C.Y. 9—75776
Sheree Chen, Morris, J.W., Khachaturyan, A.G. The computer simulation of the formation of 'tweed' and modulated structures in decomposition reactions 9—96029
Sheremet'ev, A.K. Error of calculation of composition in nondestructive analysis of nuclear fuel 9—71939
Sherenkovskaya, G.P. *see* Kozdoba, L.A. 9—68553
Sherenkovskii, Yu.V. *see* Prokopov, V.G. 9—64484
Sherer, E.N. *see* Atenelashvili, M.I. 9—84626
Shereshev, A.B. *see* Ploshai, L.L. 9—76745
Shereshev, A.B. *see* Torochkov, V.Yu. 9—72694
Sheretov, E.P. Quadrupole mass spectrometer with hyperboloid electrodes (theory) 9—54214
Sheretov, E.P. Localization of charged particles in a quadrupole mass spectrometer 9—67424

Sheretov, E.P., Tuzhilkin, N.K., Kolotilin, B.I., Safonov, M.P., Samodurov, V.F. Analysis of a novel three-dimensional quadrupole mass spectrometer with ion injection 9—58842
Sheridan, J.C. *see* Kowalczewski, J.J. 9—57389
Sheridan, J.P. *see* Schoen, P.E. 9—87429
Sheridan, J.R., Vidmar, R.J. Excitation of Balmer alpha and Lyman alpha emissions in collisions of 1.87- to 24.6-keV hydrogen atoms with N_2 and O_2 9—68309
Sheridan, K.V., Jackson, B.V., McLean, D.J., Dulk, G.A. Radio observations of a massive, slow-moving ejection of coronal material 9—53796
Sheridan, N. *see* Ahmad, I. 9—62145
Sherif, H.S. Low-energy $p+^3He$ elastic scattering and the optical potential 9—63672
Sherif, H.S., Leung, S.W., Thomas, A.W., Brookfield, G. The $(p,n\pi^+)$ reaction and the $NN\pi$ vertex 9—59066
Sherle, A.I. *see* Berlin, A.A. 9—65461
Sherle, A.I. *see* Khursandova, S.M. 9—99885
Sherlock, R.A. *see* Rackham, S.J. 9—70716
Sherman, A. On the classification of resonant secondary radiation of excitons 9—52018
Sherman, A. Photovoltaic activities at RCA 9—74524
Sherman, A.B. *see* Dobrovol'skii, A.A. 9—60615
Sherman, A.M. Application of fatigue life prediction techniques to materials substitution 9—61820
Sherman, A.M., Davies, R.G. Fatigue of a dual-phase steel 9—100253
Sherman, A.V. *see* Hizhnyakov, V.V. 9—60724
Sherman, C. *see* Cohen, H.A. 9—84633
Sherman, C.H. *see* Sung-Hwan Ko 9—90069
Sherman, E.S., Thomas, E.L. Scanning microdiffraction of polymers 9—55620
Sherman, I.S. *see* Strauss, M.G. 9—83915
Sherman, J. *see* Hoffman, R.C. 9—54581
Sherman, J.D., Allison, P.W. A study of 90° bending magnet for H^- beams 9—68090
Sherman, J.D. *see* Bagnell, R.D. 9—89237
Sherman, N.K. *see* Hutcheon, R.M. 9—70618
Sherman, R. *see* Minehart, R. 9—76032
Sherman, R.D., Silk, J. Cosmic far-ultraviolet background radiation: probe of a dense hot intergalactic medium 9—92897
Sherman, R.H. *see* Anderson, J.L. 9—85783
Sherman, R.H. *see* Bartlit, J.R. 9—93833
Sherman, S.G. *see* Gorshkov, V.G. 9—93959
Sherman, S.G. *see* Kravtsov, A.V. 9—76026
Sherman, W.F. *see* Lewis, S. 9—73937
Shermanzon, E.M. *see* Gal'per, A.M. 9—80133
Shermergor, T.D. *see* Malevich, V.L. 9—51633, 9—64294
Shermergor, T.D. *see* Usov, A.A. 9—86844
Sherr, R. *see* Brown, B.A. 9—67668
Sherr, T.S., Smith, G.D., Wirfs, L.F. Future approaches to material control and accounting 9—85619
Sherrell, P.L., Crellin, D.A. Susceptibilities and order parameters of nematic liquid crystals 9—86709
Sherrill, M.D., Bhushan, M. Cylindrical Josephson tunneling 9—65608
Shershakova, I.N. *see* Bol'sheva, Yu.N. 9—52017
Shershel', V.A. *see* Levinzon, D.I. 9—87682
Shershnev, G.A. *see* Ivanov, V.P. 9—93252
Shershnev, V.A. *see* Pestov, S.S. 9—96005
Sherstkov, Yu.A. *see* Gorlov, A.D. 9—51852, 9—69720
Sherstkov, Yu.A. *see* Vazhenin, V.A. 9—95639
Sherstneva, T.N. *see* Berezhnoi, A.A. 9—81554
Sherstyuk, A.I., Yakovleva, N.S. Possibility of excluding the continuous spectrum when calculating the electronic states of the hydrogen molecular ion. IV. Raman scattering 9—50027
Sherwell, R.J. Measurements of effective sea reflectivity and attenuation due to rain at 81 GHz 9—80001
Sherwin, J.-A. *see* Fletcher, R.C. 9—53345
Sherwood, A.C. *see* Jarvis, O.N. 9—86826
Sherwood, C.H., Price, F.P., Stein, R.S. Effect of shear on the crystallization kinetics of poly(ethylene oxide) and poly(ε-caprolactone) melts 9—69021
Sherwood, P.M.A., McFeely, F.R., Kowalczyk, S.P., Shirley, D.A. d-Orbital directed photoemission from manganese fluoride single crystals using AlK_α radiation 9—95901
Sherwood, R.C. *see* Chien, C.L. 9—95693
Sherwood, R.D. *see* Baker, R.T.K. 9—83502
Sherwood, T.R. *see* Boltezar, E. 9—67972
Sherwood, W.G., Trzaskoma, W.P. Advances in ocean engineering aspects of ocean thermal energy conversion 9—83616
Sheshadri, B.S. Microscopic characteristics of copper electrodeposits obtained under the influence of asymmetric alternating current 9—70003
Sheshadri, S., Waldron, M.B. A pattern recognition approach to compare natural and synthesized speech 9—64430
Sheshukov, A.N. *see* Sidnin, A.I. 9—100417
Shestachenko, L.S. *see* Anders, E.E. 9—90794
Shestakov, A.F. Spectra of Li-like multiply charged ions: a theoretical study 9—98015
Shestakov, A.I. A hybrid vortex-ADI solution for flows of low viscosity 9—68718
Shestakov, I.V. *see* Burtsev, V.A. 9—55597, 9—64950
Shestakova, G.M. *see* Koroleva, L.I. 9—91078
Shesternina, Z.N. Harmonic oscillations of annular wing in steady ideal fluid flow 9—94552
Shestiperov, V.A. Determination of the required uniformity of an electric field in the bulk of a biological field on thawing out in a microwave field 9—83852
Shestopal, L.F. *see* Troshchenko, V.T. 9—66164, 9—87726
Shestopalov, I.P. *see* Kuzhevskii, B.M. 9—62695, 9—80128
Shestopalov, V.P. *see* Andrenko, S.D. 9—86114
Shestopalov, V.P. *see* Koshparenok, V.N. 9—72468
Shestopalov, V.P. *see* Masalov, S.S. 9—72467
Shestopalov, V.P. *see* Tuchkin, Yu.A. 9—84936
Shestopalov, V.P. *see* Vinogradov, S.S. 9—84968
Shestopalov, V.P. *see* Vyazmitinov, I.A. 9—94126
Shestopalov, Yu.N. *see* Maksimov, I.A. 9—70334
Shestopalova, S.A. *see* Medvedev, A.I. 9—75906, 9—75908
Shestoperov, V.Ya. *see* Somogy, A. 9—80173
Shestov, S.A. *see* Tananaev, I.V. 9—78942
Shetter, M.T., Abreu, V.J. Radiation effects on the transmission of various optical glasses and epoxies 9—64297
Shettle, E.P. *see* McClatchey, R.A. 9—53519
Shetty, D.K., Gordon, R.S. Stress-relaxation technique for deformation studies in four-point bend tests: application to polycrystalline ceramics at elevated temperatures 9—100200
Shetty, D.K., Virkar, A.V., Harward, M.B. Crack front shape corrections for crack velocities in double torsion specimens 9—91778
Shetty, D.K. *see* Singh, J.P. 9—79081
Shetye, M. *see* Geisler, F.H. 9—62395
Shevakin, A.F. *see* Andrianov, D.G. 9—51880
Shevakin, Yu.F. *see* Apollonov, V.V. 9—72603
Shevandin, V.S., Aristov, A.V., Snegov, M.I., Cherkasov, A.S. Difference between the highly excited states of rhodamine 6G produced by direct and stepwise absorption of light quanta 9—64055
Shevandin, V.S. *see* Aristov, A.V. 9—78738
Shevchenko, A.D. *see* Pan, V.M. 9—65525, 9—69491, 9—95320
Shevchenko, A.E. *see* Krasovitskii, B.M. 9—85992
Shevchenko, A.L. *see* Popel', O.S. 9—90410
Shevchenko, A.S. *see* Andrievskii, R.A. 9—77640, 9—77641
Shevchenko, E.B. *see* Amatuni, A.N. 9—82361
Shevchenko, E.G. *see* Bogatov, A.P. 9—76713
Shevchenko, E.G. *see* Dolginov, L.M. 9—65545
Shevchenko, L.V. *see* Kondratyuk, L.A. 9—54353
Shevchenko, N.A. *see* Silant'ev, V.I. 9—90858
Shevchenko, N.B. *see* Turik, A.V. 9—56711, 9—69798, 9—99817
Shevchenko, N.G. *see* Buki, A.Yu. 9—80927
Shevchenko, N.N. *see* Nikolin, B.I. 9—91649
Shevchenko, O.V., Lopato, L.M., Stegnii, A.I., Maister, I.M., Dvernyakov, V.S., Pasichnii, V.V. Liuidus of the HfO_2-TiO_2, ZrO_2-TiO_2 and HfO_2-Eu_2O_3 systems 9—96007
Shevchenko, O.V. *see* Stegnii, A.I. 9—77725
Shevchenko, S.A. *see* Kolyubakin, A.I. 9—99568
Shevchenko, S.A. *see* Osip'yan, Yu.A. 9—78128, 9—91092
Shevchenko, S.M. *see* Blaivas, B.I. 9—70256
Shevchenko, V. *see* Ammosov, V. 9—71737
Shevchenko, V.G. *see* Berge, J.P. 9—71741
Shevchenko, V.G. *see* Efremenko, V.I. 9—75763
Shevchenko, V.G. *see* Goryachev, V.I. 9—89516
Shevchenko, V.I. *see* Degtyarev, L.M. 9—68922
Shevchenko, V.I. *see* Dekhtyar, I.Ya. 9—91528
Shevchenko, V.R. *see* Breev, V.V. 9—64727
Shevchenko, V.V., Yashchishin, I.N., Gaidash, T.S. A rapid method of measuring water resistance of glass products 9—61812
Shevchenko, V.Ya. *see* Bokii, G.B. 9—60304
Shevchenko, V.Ya. *see* Danilenko, G.N. 9—77767
Shevchenko, V.Ya. *see* Marenkin, S.F. 9—51268
Shevchenko, Yu.I. *see* Zhilinskii, A.P. 9—77444
Shevchenko, Ya.M. *see* Voskanyan, A.A. 9—73513
Shevchenko, Yu.P. *see* Meng, V.V. 9—83282
Shevchik, N.J., Fischer, D.A. High pass photocathode X-ray ionization chamber for surface EXAFS 9—68164
Shevchik, N.J. *see* Prasad, S.K. 9—100151
Shevchik, T.I. *see* Korennaya, L.N. 9—94171
Shevchuk, B.A. *see* Lavrent'ev, O.A. 9—90447
Shevchuk, S.S., Pushenko, E.I., Sotskaya, N.F. The early stages of stress removal in hydrostatically extruded copper 9—83215
Shevchuk, Yu.R. Approximate calculation of a cavity allowing for surface tension and force of gravity 9—86475
Shevchuk, Yu.R. *see* Buivol, V.N. 9—64719
Shevel, S.G. *see* Brodin, M.S. 9—98442
Shevelenko, V.D. Study of the dynamic properties of pulse spectra 9—97335
Shevelev, Yu.G. *see* Nasel'skii, P.D. 9—88695
Shevelko, V.P., Vinogradov, A.V. Static dipole polarizability of atoms and ions in the Thomas-Fermi model 9—49965
Shevell, S.K. The dual role of chromatic backgrounds in color perception 9—53126
Sheverev, V.A. *see* Devdariani, A.Z. 9—64097
Shevnin, A.D. *see* Sizova, L.Z. 9—53655
Shev'rev, A.A., Muradyan, L.A., Simonov, V.I. Deformation electron density in the organic paramagnetic $C_{13}H_{17}N_2O_2$ 9—90637
Shevtsov, I.V. *see* Merkulov, V.A. 9—75598
Shevtsov, M.A., Fomin, V.M. Electric furnaces for heat treatment used abroad 9—49233
Shevyakina, V.N. *see* Batuner, Yu.D. 9—49324
Shewbridge, J.F. *see* Van Swam, L.F.P. 9—61607
Shewchun, J., Dubow, J., Wilmsen, C.W., Singh, R., Burk, D., Wager, J.F. The operation of the semiconductor-insulator-semiconductor solar cell: Experiment 9—83596
Shewchun, J. *see* Chapman, G.H. 9—78000
Shewchun, J. *see* DuBow, J.B. 9—61980
Shewchun, J. *see* El-Sherbiny, M. 9—63993
Shewchun, J. *see* Gouin, F. 9—86181
Shewchun, J. *see* Loferski, J.J. 9—56866
Shewchun, J. *see* Rajkanan, K. 9—61972
Shewchun, J. *see* Reid, J. 9—96497
Shewchun, J. *see* Singh, R. 9—79394
Shewmon, P.G. *see* Christman, T. 9—61740, 9—96157
Shewmon, P.G. *see* Pishko, R. 9—100076
Shi Chang-He Magnetohydrodynamic instability of a nonhomogeneous plasma laminar stream 9—73002
Shi Chen *see* Chen Shi
Shi Guang-cheng *see* Yang Ben-you 9—96732
Shi Longpei Green's function theory of the ferroelectric phase transition in KDP type crystals 9—56740
Shi Longpei, Xu Yuhuan The electric polarization of the rotational domains in a ferroelectrics 9—56747
Shi Shei-Kung *see* Shei-Kung Shi
Shi Shu-min *see* Chao Bo-lin 9—80188
Shi Ting-Jun *see* Tang Di-Sheng 9—52175
Shi Xiang-Jun *see* Su Zong-Di 9—49616
Shi Yi-jin, He Yin Investigation of non-linear Schrodinger equation soliton solution 9—92987
Shi-Chen Wang *see* Stein, S. 9—96741
Shi-Chien Lin, Hamasaki, M., Yii-Der Chuang The dispersion and spheroidization treatment of δ zirconium hydride and its effect on corrosion resistance 9—76072
Shi-Chien Lin, Hamasaki, M., Yii-Der Chuang The effect of dispersion and spheroidization treatment of δ zirconium hydrides on the mechanical properties of Zircaloy 9—76073
Shi-da Liu *see* Liu Shi-da
Shi-Fen Wu *see* Wu Shi-Fen
Shi-fu Zhao *see* Zhao Shi-fu
Shi-Hui Ye *see* Ye Shi-Hui
Shi-Jie Gu *see* Gu Shi-Jie
Shi-jie Liu *see* Liu Shi-jie
Shi-Ling Ding *see* Ding Shi-Ling
Shi-shu Wu *see* Wu Shi-shu
Shi-Yang Jiang *see* Jiang Shi-Yang
Shi-yu Luo *see* Luo Shi-yu
Shiang-Ho Cheng *see* Hermann, R.B. 9—84130
Shiavi, R. *see* Johns, O.T. 9—57799
Shiavi, R. *see* Townsend, M.A. 9—53175
Shiaw-Horng Chung, Houck, P.W. Application of microprocessors to continuous heart rate monitoring of high risk infants 9—62401
Shiba, H. The nonregistered-registered phase transition of rare gas monolayers adsorbed on graphite 9—77894
Shiba, H. *see* Okwamoto, Y. 9—65170
Shiba, K., Kitamura, J. Calibration of gas flowmeters 9—72970
Shiba, K., Tozawa, T. A viscometer of the lifting liquid type. III 9—82005
Shiba, M. *see* Tasaka, K. 9—81028
Shibaev, V.P. *see* Chupov, V.V. 9—55644
Shibaev, V.P. *see* Freidzon, Ya.S. 9—55665
Shibaeva, R.P., Kaminskii, V.F. Structure of conducting complexes based on cation-radicals. II. Crystal and molecular structure of the 2:1 complex of tetraselenotetracene and chlorine, $TSeT_2^+.Cl^-$ 9—94992
Shibaeva, R.P., Kaminskii, V.K. Structure of conducting complexes based on cation-radicals. I. The crystals and molecular structure of the 2:3 complex of tetrathiotetracene and iodine, $TTT_2^+.I_3^-$ 9—51096
Shibanov, Yu.A. The Faraday effect and polarization of the optical emission of magnetic white dwarfs 9—97002
Shibanov, Yu.A. *see* Belyaevskii, A.I. 9—84597
Shibanov, Yu.A. *see* Pavlov, G.G. 9—77392, 9—89089
Shibanov, Yu.D. *see* Godovskii, Yu.K. 9—55895
Shibanova, L.N., Lepinskikh, B.M., Vostryakov, A.A. Transport characteristics of FeS-MnS, FeS-MnO, and FeS-Cr_2O_3 melts 9—95198
Shibasaki, K., Ishiguro, M., Enome, S. Solar Radio Data Acquisition and Communication System (SORDACS) of Toyokawa Observatory 9—101074
Shibasaki, K., Ishiguro, M., Enome, S., Takayanagi, T., Torii, C. Sudden decrease of microwave solar radio emission 9—101134
Shibasaki, K. *see* Ishiguro, M. 9—101066
Shibata, A. *see* Fukehara, S. 9—97707
Shibata, E. *see* Finley, D.A. 9—49625, 9—49626

Shibata, F., Asou, M. Critical phenomena in the two-dimensional random Ising system. I 9—56543

Shibata, F., Hashitsume, N. Statistical mechanical theory of non-equilibrium systems 9—75481

Shibata, F., Hashitsume, N. Master equations for coupled systems 9—85060

Shibata, F. *see* Asou, M. 9—56544

Shibata, H. *see* Kobayashi, H. 9—88291

Shibata, J. *see* Katayama, I. 9—83499

Shibata, K. *see* Kohsaka, M. 9—88165

Shibata, K. *see* Miyazaki, S. 9—61645

Shibata, M. *see* Akashi, M. 9—63562

Shibata, M. *see* Minakata, M. 9—86254

Shibata, M. *see* Ono, K. 9—83419

Shibata, N., Jinguji, K., Kawachi, M., Edahiro, T. Nondestructive structure measurement of optical-fiber preforms with photoelastic effect 9—86255

Shibata, S. *see* Ishimaru, H. 9—72078, 9—72079

Shibata, S. *see* Iura, T. 9—99648

Shibata, S. *see* Kubo, T. 9—72071

Shibata, S. *see* Mitachi, S. 9—59853

Shibata, S. *see* Nakagawa, H. 9—72080

Shibata, S. *see* Takahashi, S. 9—50390

Shibata, T. Development of rare earth-cobalt permanent magnets and study of generating mechanism of high coercive force 9—100269

Shibata, T., Iizuka, H., Kohyama, S., Gibbons, J.F. Resistivity changes in laser-annealed polycrystalline silicon during thermal annealing 9—91163

Shibata, T. *see* Filho, J.B. 9—58989, 9—58992, 9—63561

Shibata, T. *see* Kobayashi, K. 9—80976

Shibata, T. *see* Motohashi, Y. 9—90714

Shibata, T. *see* Okuyama, F. 9—95302

Shibata, T. *see* Sakai, H. 9—93641

Shibata, T.A., Imazato, J., Yamazaki, T., Brown, B.A. Decay of the 1^+ isomer in ^{24}Al 9—85414

Shibata, Y., Sakurai, T. Theoretical concentration of solar radiation by a parabolic cylinder at oblique incidence. I. Flat target 9—52881

Shibata, Y., Sakurai, T. Theoretical concentration of solar radiation by a parabolic cylinder at oblique incidence. II. Cylindrical target 9—52882

Shibata, Y., Sakurai, T. On the optimum direction of a parabolic cylindrical solar concentrator 9—52883

Shibata, Y., Yonenaga, H., Ozaki, N. Development of a computer program for performance analysis of gas centrifuge cascade 9—85805

Shibata, Y. *see* Suzuki, N. 9—99603

Shibatomi, A. *see* Kitahara, K. 9—99576

Shibatomi, A. *see* Ozeki, M. 9—95360, 9—95818

Shibayama, K. *see* Yamanouchi, K. 9—72772, 9—98573

Shibayama, S. *see* Okuda, N. 9—100738

Shibib, M.A., Lindholm, F.A., Fossum, J.G. Auger recombination in heavily doped shallow-emitter silicon p-n-junction solar cells diodes, and transistors 9—96445

Shibib, M.A. *see* Fossum, J.G. 9—100520

Shibib, M.Ayman *see* Ayman Shibib, M.

Shibin, A.V. *see* Kochetov, I.V. 9—59670

Shibue, K. *see* Osamura, K. 9—50999

Shibukawa, A. Neutral density filters by co-evaporated Ag and SiO_2 films for near IR radiation 9—72673

Shibutani, M. *see* Machida, M. 9—83140

Shibuya, E.H. *see* Filho, J.B. 9—58989, 9—58992, 9—63561

Shibuya, H. *see* Fuchi, H. 9—59299, 9—80112, 9—85299

Shibuya, I., Koyano, N., Iwata, Y. Why and how we measure accurate critical scattering of neutrons or X-rays? 9—55609

Shibuya, I. *see* Iwata, Y. 9—56739

Shibuya, I. *see* Otsuka, K. 9—60308

Shibuya, N. *see* Itoh, K. 9—92309

Shibuya, S. The property of frozen-in magnetic phenomena. I 9—82052

Shibuya, T. Relation between non-relativistic binding energies of a neutral atom and isoelectronic ions 9—59334

Shibuya, T. An elastic contact problem of a half-space indented by a truncated conical stamp 9—98672

Shibuya, T. *see* Hara, T. 9—72806, 9—72807

Shibuya, T. *see* Koizumi, T. 9—83305

Shich-rhu Hu *see* Hu Shich-rhu

Shida, K. *see* Yatsu, K. 9—94806

Shida, Y. *see* Nolte, E. 9—72004

Shiebel, U. *see* Schmiedekamp, A. 9—81269

Shieh, K.C. *see* Lin, C.H. 9—87746

Shieh, L.J. *see* Marziano, G.L. 9—88394

Shieh, R.C. Eigensolutions for coupled thermoelastic vibrations of Timoshenko beams 9—64577

Shieh Yuch-Ning *see* Yuch-Ning Shieh

Shiek, C.F. *see* Fong, C.P. 9—88182

Shield, P.D. *see* Allison, W.W.M. 9—76258

Shields, G.A. *see* Ferland, G.J. 9—101214

Shields, J.A., Jr. Irradiation-swelling-induced bow in fast reactor subassemblies 9—93724

Shien-Pu Tang *see* Wicke, B.G. 9—100385

Shier, D.B. *see* Das-Gupta, D.K. 9—90572

Shier, W.G. *see* Lu, M.S. 9—89442

Shiffers, L.A. *see* Brumberg, I.E. 9—57818

Shiffman, C.A. *see* Duchardt, D. 9—56202

Shiflet, G.J. *see* Bennett, B.W. 9—60477

Shiflett, R.C. Continuous stochastic measures and Markov operators 9—97303

Shifman, M.A. *see* Vainshtein, A.I. 9—71718

Shifrin, E.G. *see* Kolosov, V.V. 9—81846

Shifrin, K.S. *see* Perelman, A.Ya. 9—98287

Shifrin, K.S. *see* Zayats, V.A. 9—87423

Shiga, M., Muraoka, Y., Nakamura, Y. Invar effects of Laves phase intermetallic compounds 9—56592

Shiga, M., Sasaki, R., Hataya, F., Kuriyama, M. Effects of cyclic load and temperature on creep crack growth rate in 2024 aluminium alloy 9—83302

Shiga, M. *see* Muraoka, Y. 9—65221, 9—91322

Shiga, M. *see* Nakamura, Y. 9—91278

Shiga, M. *see* Sumiyama, K. 9—56597, 9—82855

Shigaev, O.E. *see* Bychenkov, V.S. 9—80964

Shigarev, A.S., Dmitrieva, L.P. Nitriding in magnetic field 9—57153

Shigayev, Yu.G. *see* Rokityanskiy, L.I. 9—62432

Shige, N. *see* Kajimura, T. 9—50313

Shigeishi, R.A. The heat capacity of metals. A physical chemistry experiment 9—84915

Shigematsu, T., Kachi, S., Sumiyama, K., Nakamura, Y. Mossbauer effect of fine-powdered $Fe_{76}Pt_{24}$ Invar alloy 9—56634

Shigematsu, T. *see* Matsui, M. 9—92027

Shigematsu, Y., Yamada, M., Fuwa, M. Latency measurement of the color coded S-potentials in the carp retina 9—53097

Shigematsu, Y. *see* Inque, T. 9—74759

Shigematsu, Y. *see* Yamada, M. 9—66471

Shigemitsu, J. *see* Elitzur, S. 9—85232

Shigemitsu, J. *see* Kogut, J.B. 9—89108

Shigemoto, K. Field strength method and Gribov ambiguity in two dimensional non-Abelian gauge theory 9—49371

Shigemoto, K. On the gauge-fixing problem 9—97493

Shigemoto, K. *see* Saito, T. 9—54321, 9—89121

Shigenari, T. *see* Takagi, Y. 9—91427

Shigesawa, H. *see* Tsuji, M. 9—55163, 9—72600

Shigeta, J. Surface temperature of glass substrate heated through Ga 9—97390

Shigeta, J. *see* Kotera, N. 9—99594

Shigeta, N. *see* Irisawa, J. 9—86598

Shigi, T. *see* Fujii, Y. 9—56001

Shigi, T. *see* Yamamoto, J. 9—58733

Shigorin, D.N. *see* Betin, O.I. 9—85983

Shigorin, D.N. *see* Gastilovich, E.A. 9—85971

Shigorin, D.N. *see* Strokach, N.S. 9—63980

Shigorin, V.D. *see* Musikhin, L.A. 9—95020

Shih, H.D. *see* Jona, F. 9—77875

Shih, I. *see* Nimtz, G. 9—50989

Shih, S.-K., Peyerimhoff, S.D., Buenker, R.J. Large atomic orbital basis SCF and MRD-CI calculations for rearrangements of the PH_5 molecule 9—94106

Shih Da-Yuan *see* Da-Yuan Shih

Shih Han-chien *see* Shen Nai-cheng 9—59717

Shih Yi Wang, Gupta, A.B. Effect of pulse ultrasound on nucleic acid components 9—53186

Shih Yu Mung *see* Yu Mung Shih

Shih Yuan Wang, Shang Yi Ch'en Pressure effects of He and Xe on the resonance line on strontium 9—89643

Shih-Liang Chao, R. *see* Miller, P.J. 9—61363

Shih-Lin Chang Direct observation of two-dimensional lattice mismatch parallel to the interfacial boundary between the LPE $Ga_{0.65}Al_{0.35}As$ layer and the GaAs substrate 9—51439

Shih-Lin Chang The number of permitted modes of propagation in N-beam dynamical diffraction of X-rays 9—73059

Shih-ping Liu *see* Liu Shih-ping

Shihab-Eldin, A. *see* Malik, M.A.S. 9—57371

Shiiki, K., Watanabe, T., Kudo, M. Magnetic instability of $(Fe_{0.06}Co_{0.94})$-B amorphous alloy system 9—99729

Shijie Wu *see* Wu Shijie

Shikanov, A.S. *see* Andrew, N.E. 9—55532

Shikanov, A.S. *see* Basov, N.G. 9—86587

Shikhobalov, L.S. *see* Volkov, A.E. 9—82236

Shikida, M. *see* Nakayama, H. 9—66148

Shikin, G.N. *see* Bronnikov, K.A. 9—54290

Shikin, V.B. Parametric excitation of electrons at the liquid helium surface in a magnetic field 9—51389

Shikina, I.S. *see* Kulikovskii, A.G. 9—64630

Shiktorov, N. *see* Oginskas, A. 9—65549

Shikun Yang *see* Yang Shikun

Shileika, A.Yu. *see* Ambrazyavichyus, G.A. 9—65834

Shileika, A.Yu. *see* Irzhikyavichyus, A.E. 9—56767

Shileikis, V.V. *see* Burneikis, Yu.P. 9—92555

Shilin, A.A. *see* Zakirov, L.B. 9—92476

Shilin, O.V. *see* Zaients, S.L. 9—81089

Shilo, A.F. *see* Stepanchuk, V.F. 9—59992

Shilo, I. *see* Ben-Dor, L. 9—77572

Shiloach, Y. *see* Varkony, T.H. 9—81294

Shiloh, J. *see* Abbott, S. 9—76229

Shiloh, J. *see* Burkhalter, P.G. 9—94816

Shilov, A.A. *see* Efimkov, V.F. 9—98445

Shilov, A.F. *see* Karikh, E.D. 9—95826

Shilov, S.E. *see* Dolgopolov, V.V. 9—100235

Shilov, V.E. *see* Vedyaev, A.V. 9—91408

Shilov, V.M. *see* Afanas'ev, G.N. 9—76014

Shilov, V.N. *see* Simonov, I.N. 9—61912

Shil'shtein, S.Sh. *see* Irodova, A.V. 9—65061

Shil'shtein, S.Sh. *see* Somenkov, V.A. 9—69246

Shilton, M.G. *see* Howe, A.T. 9—77809

Shilyaev, B.A., Slabospitskii, R.P., Yamnitskii, V.A., Timoshevskii, G.F., Kozina, G.P., L'vov, A.N., Migalenya, V.Ya. Modeling point defects of radiation damage to materials by protons, neutrons, and heavy ions 9—90703

Shilyayev, A.A. *see* Bautin, A.V. 9—81472

Shim, I., Dahl, J.P., Johansen, H. Ab initio Hartree-Fock and configuration-interaction treatment of the interaction between two nickel atoms 9—59535

Shima, A., Sato, Y. The collapse of a bubble attached to a solid wall 9—68791

Shima, A. *see* Tomita, Y. 9—98794

Shima, E. Seismic microzoning map of Tokyo 9—88282

Shima, E., Yanagisawa, M., Kudo, K., Yoshii, T., Seo, K., Kuroha, K. On the base rock of Tokyo. III. Observations of seismic waves generated from the 4th and 5th Yumenoshima explosions 9—66654

Shima, K. Canonical quantization of a nonlinearly realized supersymmetric theory 9—97283

Shima, K. Si(Li) detector efficiency for 0.7-6 keV X-ray energy region 9—97928

Shima, M. The abundances of titanium, zirconium and hafnium in stony meteorites 9—92731

Shima, M., Ogawa, E., Sato, M. Conformational behaviour of (styrene-p-chlorostyrene) triblock copolymers in dilute solutions. II. Temperature dependence of conformational behaviour in a selective solvent 9—90519

Shima, M. *see* Nishikawa, K. 9—77478

Shimada, I. Gibbsian Distribution on the Lorenz attractor 9—97331

Shimada, I., Nagashima, T. A numerical approach to ergodic problem of dissipative dynamical systems 9—88878

Shimada, J., Yamakawa, H. First-order perturbation calculations of intrinsic viscosities of flexible linear and ring polymers with excluded volume: comments on the papers of Fujita et al 9—55914

Shimada, J. *see* Yamakawa, H. 9—99891

Shimada, M., Koizumi, M., Takano, M., Nakanishi, N., Graham, E.K. Elastic behaviour of polycrystalline $BaVS_3$ in the temperature range 40K to 350K 9—60498

Shimada, M., Ogawa, N., Koizumi, M., Dachille, F., Roy, R. Crystallization and sintering of amorphous Si_3N_4 under pressure 9—87596

Shimada, M. *see* Gomay, Y. 9—85768

Shimada, M. *see* Maeno, M. 9—98984

Shimada, M. *see* Noda, Y. 9—78590

Shimada, M. *see* Taguchi, H. 9—95587

Shimada, O. *see* Sugiyama, T. 9—73201

Shimada, S., Kodaira, K., Matsushita, T., Ichijo, K., Maeda, R. Effect of CdO additive on sintering of $LiNbO_3$ 9—83157

Shimada, S., Matsumoto, T., Ito, T., Matsushita, S., Washio, K., Minemura, K. 100 km optical-fibre transmission system at 1.32 μm using high-power CW Nd-YAG laser 9—94331

Shimada, S. *see* Ito, S. 9—87571

Shimada, T., Katayama, Y., Komatsubara, K.F. Compositional and structural properties of amorphous Si_xC_{1-x}:H alloys prepared by reactive sputtering 9—99077

Shimada, Y., Kojima, H. Magnetic properties and thermal stability of Fe-B amorphous films 9—78446

Shimakage, K. *see* Ejima, T. 9—77662

Shimakawa, K. *see* Nitta, S. 9—65946

Shimamorl, H. *see* Fessender, R.W. 9—74467

Shimamoto, S. Development of superconducting magnet for fusion Tokamak 9—73026

Shimamoto, Y. *see* Tanaka, Y. 9—98821

Shimamura, I. *see* Koike, F. 9—81265

Shimamura, S., Matsuno, K., Noguchi, Y., Tsutsui, Y. Study of flywheel energy storage system for electric utilities 9—96486

Shimamura, S. *see* Hoshino, K. 9—99297

Shimamura, T. *see* Arai, O. 9—87542

Shimamura, T. *see* Nagasawa, H. 9—84755

Shimamura, T. *see* Niizeki, H. 9—84302

Shimanouchi, T. *see* Morino, Y. 9—49192

Shimanskii, A.A. *see* Maksyutenko, B.P. 9—71899

Shimanskii, Yu.I. *see* Bulavin, L.A. 9—65179

Shimanskii, Yu.I. *see* Dolinskii, A.A. 9—68561

Shimanuki, S. *see* Inomata, K. 9—69695

Shimasaki, H., Privett, O.S., Keane, W.F. Degenerative and age-related changes in the X-irradiated kidney of the rat 9—57723

Shimazaki, O. *see* Nakajima, H. 9—86312

Shimazaki, T., Shimizu, M. The seasonal variation of ozone density in the Martian atmosphere 9—70984

Shimazu, Y. Locked rotor accident analysis in a molten salt breeder reactor 9—54521

Shimazu, Y. Environmental assessment—management system for local developmental project 9—57503

Shimbo, M., Ochi, M., Konishi, Y. Fatigue behavior of epoxide resin cured with aliphatic dicarboxylic acids 9—79092
Shimbo, T. *see* Tomita, Y. 9—60035
Shimchuk, G.G. *see* Lomanov, M.F. 9—100752
Shimizu, A. *see* Higuchi, J. 9—51847
Shimizu, A. *see* Miura, I. 9—54663, 9—54686, 9—68013
Shimizu, H., Koyama, N., Ishida, Y. Grain boundary effusion of solute to the surface of textured Cu-Ni alloys 9—90680
Shimizu, H., Koyama, N., Ishida, Y. The effect of texture on the sputtering erosion of stainless steel sheet by Ar^+ 9—91856
Shimizu, H., Yamada, H., Yasuda, N., Fujimoto, S. Effect of hydrostatic pressure on the ferroelectric phase transition in NH_4IO_3 9—51917
Shimizu, H., Yamada, K. Energy-trapping for backward-wave-mode thickness-vibrations by controlling piezoelectric reaction 9—56728
Shimizu, H. *see* Arimoto, S. 9—53400
Shimizu, H. *see* Christmann, K. 9—77958
Shimizu, H. *see* Fujimoto, S. 9—65787
Shimizu, H. *see* Imai, K. 9—97706
Shimizu, H. *see* Sugino, T. 9—50310, 9—98357
Shimizu, H. *see* Watanabe, H. 9—51911
Shimizu, H. *see* Yasuda, N. 9—99815, 9—99832
Shimizu, I., Shizukuishi, M., Inoue, E. Solid-state electrochromic device consisting of amorphous WO_3 and Cr_2O_3 9—90009
Shimizu, I. *see* Hirayama, T. 9—80292
Shimizu, K., Nakatani, T., Honma, K., Takahashi, S. Measurement of blood flow in the fish using laser Doppler velocimeter 9—84052
Shimizu, K., Nisida, Y., Narita, Si. Lattice dielectric constant of p-PbTe in the far-infrared region 9—78605
Shimizu, K. *see* Amemiya, H. 9—64907
Shimizu, K. *see* Kurosawa, M. 9—97702
Shimizu, K. *see* Ogasawara, M. 9—78709
Shimizu, K. *see* Otsuka, K. 9—60308, 9—74149
Shimizu, K. *see* Sakamoto, Y. 9—65255
Shimizu, K. *see* Sato, H. 9—56197
Shimizu, K. *see* Tamura, H. 9—83763
Shimizu, M. Origin of the anomalies and thermodynamic aspects in iron-nickel Invar alloys 9—56560
Shimizu, M. Carbon suboxide and the genetic code 9—83690
Shimizu, M., Ghista, D.N., Perkash, I. Analysis toward a noninvasive determination of bladder pressure from micturition rate and urethral size 9—92370
Shimizu, M., Okamura, S. Pointing analysis of the 105 cm Schmidt telescope 9—101068
Shimizu, M., Sandler, H., Ghista, D.N. Biomechanical experimental model to demonstrate the importance of the abdominal pressure (due to the splanchnic organs) surrounding the inferior vena cava on the venous pressure and blood volume distribution in recumbent and 90° head-down tilt position 9—92282
Shimizu, M. *see* Inoue, J. 9—65659
Shimizu, M. *see* Katto, Y. 9—81891
Shimizu, M. *see* Shimazaki, T. 9—70984
Shimizu, M. *see* Yamada, H. 9—56493, 9—87247
Shimizu, M. *see* Yasui, M. 9—82764
Shimizu, N., Katsukawa, H., Miyauchi, M., Kosaki, M., Horii, K. The space charge behavior and luminescence phenomena in polymers at 77K 9—99947
Shimizu, N., Tsuchiya, H. Single-mode optical fiber connectors 9—81557
Shimizu, N. *see* Tsuchiya, H. 9—90022
Shimizu, R. Comment on 'Evaluation of concentration-depth profiles by sputtering in SIMS and AES' by S. Hofmann 9—56891
Shimizu, R. *see* Kang, S.T. 9—95886
Shimizu, R. *see* Suk Tai Kang 9—83089
Shimizu, S., Ikemoto, Y. Thermal fatigue life of welded austenitic (SUS 316) ferritic (2.25 Cr-1 Mo) transition joints 9—83307
Shimizu, S., Satoh, K., Matsuda, S., Murase, H., Fujioka, J. Creep properties of heat-resistant superalloys for nuclear plants in helium 9—83263
Shimizu, S. *see* Ezawa, N. 9—79378
Shimizu, S. *see* Katano, R. 9—75524
Shimizu, S. *see* Ljubicic, A. 9—63633
Shimizu, S. *see* Mukoyama, T. 9—89791
Shimizu, S. *see* Narusawa, T. 9—83136
Shimizu, S. *see* Tanaka, T. 9—77058
Shimizu, T. A periodic solution of the Lorenz equation in the high Rayleigh number limit 9—68681
Shimizu, T. Analytic form of the simplest limit cycle in the Lorenz model 9—86405
Shimizu, T., Hori, M., Hashimoto, K., Yanagida, H. Synthesis of anatase fibers from potassium titanate fibers under hydrothermal leaching 9—56949
Shimizu, T., Kumeda, M., Ishikawa, M. Effects of alloying chalcogen atoms into amorphous germanium films 9—78101
Shimizu, T., Mims, W.B., Peisach, J., Davis, J.L. Analysis of the electron spin echo decay envelope for Nd^{3+}:ATP complexes 9—54871
Shimizu, T., Negishi, R., Ishii, N. Chemical bond approach to the electronic structure of amorphous semiconductors 9—65374
Shimizu, T. *see* Kato, I. 9—55111
Shimizu, T. *see* Matsushima, F. 9—68243
Shimizu, T. *see* Watanabe, I. 9—51695
Shimizu, Y., Terazaki, A. Attenuation and velocity of surface waves on a piezoelectric substrate coated with admittance films 9—98540
Shimizu, Y. *see* Kato, K. 9—54788
Shimizu, Y. *see* Yamamoto, T. 9—57721
Shimmin, A.F. *see* Charsley, P. 9—57096
Shimoda, A., Kohso, Y., Hikida, T., Ichimura, T., Mori, Y. Collision-induced decomposition of excited p-dichlorobenzene 9—79270
Shimoda, K. Invention of masers and lasers 9—81403
Shimoda, K. *see* Hamada, F. 9—73042
Shimoda, M. *see* Hirai, M. 9—59854
Shimoda, T. *see* Frohlich, H. 9—67767
Shimoda, T. *see* Ishihara, M. 9—80951
Shimokawa, H., Ohashi, A., Ueda, M. Conduction currents in silicone liquid films 9—91062
Shimokawa, Y., Miyama, H. Studies on electron-crosslinkable polymers. I. Electron- and photosensitivity of N-allyloxymethyl-polyamide 9—91951
Shimomae, K. *see* Senda, K. 9—91080
Shimomura, K., Ogawa, K., Oba, M., Kotera, Y. Formation and phase transition of cobalt molybdate in cobalt oxide-molybdenum trioxide-alumina system 9—61569
Shimomura, K. *see* Shin, S. 9—78675
Shimomura, O. Compensation of natural birefringence of DKDP electro-optic shutter by β-$LiIO_3$ single crystal 9—55247
Shimomura, O. *see* Ohsaka, T. 9—61384
Shimomura, O. *see* Takemura, K. 9—65192
Shimomura, T. *see* Iwao, N. 9—61682
Shimomura, Y. Impurity control in Tokamak 9—82085
Shimomura, Y., Tanaka, K., Okada, M., Kino, T. Trapping of interstitials on impurities in electron-irradiated metals 9—99242
Shimomura, Y. *see* Ohasa, K. 9—64906
Shimon, L.L. *see* Goldoviskii, V.D. 9—68319
Shimonis, V.M. *see* Nyamira, M.A. 9—90256
Shimonis, V.M. *see* Vilyamas, Yu.V. 9—94620
Shimony, A. Proposed neutron interferometer test of some nonlinear variants of wave mechanics 9—92984
Shimotani, T., Yamatomi, J., Yamaguchi, U. On the measurement of anisotropic elastic constants of rock-like materials by uni-axial compression test 9—79822
Shimotomai, M., Hasiguti, R.R. Formation of rows of prismatic dislocation loops due to precipitations in an aluminum-lithium alloy 9—52220
Shimoyama, H. *see* Ohshita, A. 9—71566
Shimoyamada, H., Abe, K., Furumura, T., Tanaka, I. Chart data processing equipment [pollution monitoring] 9—100555
Shimozi, H. *see* Tokuyama, A. 9—96782
Shimozuru, D. Joint geophysical and geochemical observation of the Asama Volcano in 1977 9—70771
Shimozuru, D., Gyoda, N., Koyama, E., Miyazaki, T., Sawada, M., Osada, N., Hagiwara, M., Takeda, T. The 1976 steam explosion of the Kusatsu-shirane Volcano and the outline of the joint geophysical observation 9—70773
Shimozuru, D. *see* Kagiyama, T. 9—70760
Shimozuru, D. *see* Tajima, H. 9—70733
Shimulis, V.I. *see* Starkovskii, N.I. 9—85148
Shimulite, E. *see* Bartashevich, Z. 9—56337
Shimura, M. *see* Harada, T. 9—79727
Shimzu, H., Abe, N., Yasuda, N., Fujimoto, S., Sawada, S., Shiroishi, Y. Differential thermal analysis using a Ge-Ag thermocouple under hydrostatic pressure: phase behavior of $\{N(CH_3)_4\}_2MnCl_4$ 9—65186
Shin, H.K. Temperature dependence of vibration-vibration energy exchange probabilities among highly excited levels: $CO(v-1)+CO(1) \rightarrow CO(v)+CO(0)$ 9—76490
Shin, K., Hayashida, Y., Shiroya, S., Hyodo, T. Calculation of response function of NE-213 organic liquid scintillator for gamma-rays 9—97926
Shin, K., Uwamino, Y., Yoshida, M., Hyodo, T., Nakamura, T. Penetration of secondary neutrons and photons from a graphite assembly exposed to 52-MeV protons 9—76152
Shin, K.G. A stochastic approach to the quantitative analysis of cell kinetics using microfluorometric DNA data 9—83723
Shin, K.J. *see* Kapral, R. 9—91908
Shin, S., Arakawa, H., Hatakeyama, Y., Ogawa, K., Shimomura, K. Absorption of NO in the lattice of an oxygen-deficient perovskite $SrFeO_{3-x}$ and the infrared spectroscopic study of the system NO-$SrFeO_{3-x}$ 9—78675
Shin, S. *see* Mitani, T. 9—91513
Shin, S.Y. *see* Cho, S.H. 9—72652
Shin, Y.M. *see* Uegaki, J. 9—80922
Shin Hyun-Dong *see* Hyun-Dong Shin
Shin Hyun-Joon *see* Hyun-Joon Shin
Shin Min-Kyo *see* Min-Kyo Shin
Shinada, S. *see* Mikoshiba, S. 9—56841
Shinagawa, H., Kawamura, Y. Analysis of Knudsen flow through periodically constricted pores 9—72911
Shinbrot, M. *see* Reeder, J. 9—72901
Shinde, S.S., Shastry, S.S. Relative thermoluminescence response of $CaSO_4$:Dy to alpha and gamma rays 9—85814
Shinde, S.S. *see* Shastry, S.S. 9—91506
Shindell, D.M., Magagnosc, C., Purich, D.L. Teaching with an interactive reaction kinetics simulator 9—48992
Shindich, V.L. *see* Antonenko, R.S. 9—51613
Shindo, I., Kimura, S., Kitamura, K. Growth of Mg_2TiO_4 single crystals by the floating zone method 9—78873
Shindo, I. *see* Moriyoshi, Y. 9—69049
Shindo, K. Self-consistent pseudopotential calculation of the band structure and the crystal energy of As 9—90954
Shindo, M. *see* Ogawa, Y. 9—67849
Shindo, M. *see* Osada, Y. 9—69970
Shindo, Y. Diffraction of transient horizontal shear waves by a running crack 9—68652
Shindo, Y. *see* Yamazaki, I. 9—89008
Shinev, Kh.D., Kutsarova, Yu.Kh. Analysis of microwave systems for phase measurements 9—88975
Shing-fang Han *see* Han Shing-fang
Shing-Yah Wang *see* Bourassa, R.R. 9—65448
Shingal, R., Srivastava, B.B. Eikonal approximation calculations of e-H and e-He scattering using an energy-dependent polarization potential 9—81278
Shingal, R. *see* Dhal, S.S. 9—72420, 9—89780
Shingu, P.H. *see* Osamura, K. 9—50999
Shinjo, M. *see* Kurokawa, J. 9—94628
Shinkoda, T., Kumagai, K., Asayama, K. Effect of spin fluctuations on the specific heat in βMn metal and alloys 9—82788
Shinn, D.B. *see* Griscom, D.L. 9—82876
Shinn, E.A. *see* Emiliana, C. 9—62524
Shinn, W.A. *see* Johnson, C.E. 9—54509
Shinoda, M. A special hydraulic lifting system for the Hida Observatory 9—96914
Shinoda, T. *see* Fujii, T. 9—73767, 9—78435
Shinoda, Y., Kawakami, T. Evaluation of GaAs/AlGaAs double-heterostructure wafers and lasers by X-ray topography 9—50312
Shinoda, Y., Yamaguchi, M. Plasma anodization of oxygen-sputtered GaAs surfaces 9—66176
Shinogi, M. *see* Takeuchi, T. 9—66435
Shinohara, A., Hara, M. Large deflection of a circular C-shaped spring 9—50582
Shinohara, I. *see* Kamiya, T. 9—91032
Shinohara, I. *see* Mizoguchi, K. 9—83456
Shinohara, K. *see* Seo, T. 9—52269
Shinohara, K. *see* Yoshikawa, M. 9—77926
Shinohara, T. *see* Sasaki, K. 9—56630
Shinoki, F. *see* Ohhata, Y. 9—91515
Shinopoulos, G. *see* Boivin, W.S. 9—70644
Shinozaki, K., Morita, T., Chiba, A. Excluded volume effect and transitional phenomenon in dilute polymer solution. Viscometric study 9—77795
Shinozaki, K. *see* Uematsu, K. 9—78100
Shinozaki, S.S. *see* Feldkamp, L.A. 9—69937
Shinozuka, T., Tanaka, Y., Sugiyama, K. Absolute cross sections for the $^6Li(p, ^3He)^4He$ reaction at energies below 1 MeV 9—93618
Shinsaka, K. *see* Namba, H. 9—73557
Shinskii, M.D. *see* Kardashev, N.S. 9—62862
Shintani, A., Takano, Y., Minagawa, S., Maki, M. X-ray diffraction topography and crystal characterization of GaN epitaxial layers for light-emitting diodes 9—65336
Shintani, T. *see* Utsumi, A. 9—50467
Shinto, H., Saito, Y., Ayada, M., Kato, K. Recovery strain of sheet metals during unloading in the tension test and its application to roll-forming 9—100182
Shintsel', D. *see* Apel', V.D. 9—67609
Shioi, Y., Iwasaki, T. Determination of wave propagation velocities in subsurface soil layers 9—62460
Shiokawa, H. *see* Kono, A. 9—79653
Shiokawa, J. *see* Arakawa, T. 9—66350, 9—83017
Shiokawa, J. *see* Sakai, T. 9—87239, 9—91230
Shiokawa, S., Adachi, H., Imoto, S. Discrete variational $X\alpha$ calculations of $ThAl_4$, UAl_4, $NpAl_4$ and $PuAl_4$ clusters 9—82519
Shiokawa, T. *see* Tamaki, Y. 9—63949
Shiomi, S., Iwata, S., Uchiyama, S., Fujii, T. Dynamic behavior of bubble domains at low drive field 9—51828
Shiomi, S. *see* Fujii, T. 9—73767, 9—78435
Shiomi, S. *see* Iwata, S. 9—78465
Shiono, K. *see* Yamamizu, F. 9—62457
Shiono, N., Yashiro, T. Surface state formation during long-term bias-temperature stress aging of thin SiO_2-Si interfaces 9—78193
Shionoya, S. *see* Saito, H. 9—71541
Shionoya, S. *see* Tanaka, S. 9—93890
Shiosaki, T. New techniques to deposit ZnO crystalline films 9—74098
Shiosaki, T., Ohnishi, S., Kawabata, A. Optical properties of single-crystalline ZnO film smoothly chemical-vapor deposited on intermediately sputtered thin ZnO film on sapphire 9—86269

Shiosaki, T. *see* Adachi, M. 9—98488
Shiosaki, T. *see* Fukuda, S. 9—50353, 9—91401
Shiota, F. *see* Iguchi, I. 9—56417
Shiota, I., Wantanabe, O. Compatibility studies between pyrolytic carbon and nickel 9—57010
Shiota, I., Watanabe, O. High-temperature compatibility of pyrolytic carbon with nickel-copper alloys 9—65261
Shiota, S., Nishijima, S., Hayashiuchi, Y., Odaka, T. A note on neutron irradiation effects on transition temperature of A-15 superconducting materials 9—82707
Shioya, M. *see* Funabashi, M. 9—57541
Shioya, M. *see* Masui, S. 9—57547
Shioyama, T., Ogawa, S., Takiguchi, K., Yotsuya, T. Pressure dependence of the electrical properties of TaN thin films 9—78241
Shioyama, T., Ogawa, S., Yamanaka, K. Electrical properties and structures of tantalum thin films deposited by bias ion beam sputtering 9—82692
Shiozaki, M. *see* Sakai, T. 9—83337
Shiozaki, Y. *see* Fujishita, H. 9—55712
Shiozawa, K. *see* Hiroh, A. 9—52986
Shiozawa, K. *see* Nasu, S. 9—49683
Shiozawa, K. *see* Okamoto, S. 9—52987, 9—57528
Shiozawa, K. *see* Saeki, Y. 9—83732
Shiozawa, T. *see* Goto, H. 9—55047
Shipatov, E.T. *see* Vedrinskii, R.V. 9—99258
Shipilov, A.F. *see* Donin, V.I. 9—89937
Shipilov, V.I. *see* Pevtsov, V.V. 9—71983
Shipilova, L.A. *see* Gnesin, G.G. 9—69510
Shipiro, B. A real-space renormalization group approach for the self-avoiding random walk 9—63167
Shipley, J.P. Decision analysis for dynamic accounting of nuclear material 9—81049
Shipley, J.P. Efficient analysis of dynamic materials accounting data 9—85684
Shipley, J.P. *see* Dayem, H.A. 9—85738
Shipley, J.P. *see* Hakkila, E.A. 9—85755
Shipley, W.U. *see* Ling, C.C. 9—100746
Shipp, T., Doherty, E.T., Morrissey, P. Predicting vocal frequency from selected physiologic measures 9—94413
Shipp, T. *see* Izdebski, K. 9—96583
Shippy, D.J. *see* Fairweather, G. 9—58533
Shippy, D.J. *see* Rizzo, F.J. 9—75344
Shipsey, E.J. Approximation method for molecular collisions in the turning point region 9—72373
Shipton, M.S. Manual audiometry: a comparison of two methods 9—66477
Shipton, M.S. *see* Robinson, D.W. 9—88091
Shipulo, G.P. *see* Lyamshev, M.L. 9—95084
Shipunov, M.N. *see* Goman, V.G. 9—60043
Shir, C.C., Henry, G.R. Dynamics of micromagnetic structures under applied in-plane magnetic fields 9—56580
Shir, C.C., Lin, Y.S. Micro-magnetic structures of planar charged walls 9—78478
Shir, C.C., Lin, Y.S. Critical curves for determining magnetization directions in implanted garnet films 9—91263
Shir, C.C. *see* Marziano, G.L. 9—88394
Shirachi, D., Liu, J., Lee, M., Jang, J., Wong, J., Stark, L. Accommodation dynamics. I. Range nonlinearity 9—83770
Shirafuji, J. *see* Ueda, Z. 9—98554
Shirafuji, J. *see* Yasuda, K. 9—72621
Shirafuji, T. *see* Hayashi, K. 9—85022
Shirai, H. *see* Hayashi, S. 9—83457
Shirai, K., Gomi, T., Honda, M. Detection of nasal sounds using model of production processes 9—81656
Shirai, K., Tokuhiro, I. Seismic data processing for the detection of wave onsets 9—80059
Shirai, K. *see* Niwa, M. 9—79319
Shirai, M. Electrical discharge through a sheet of paper and an application to transcribing printed letters 9—75634
Shirai, N. Non-contact vehicle speed measurement using spatial filter 9—75504
Shirai, S. *see* Mikoshiba, S. 9—56841
Shirai, T., Nakai, Y. Energy dependence of the ionization of highly excited atoms by collision with excited atoms 9—59548
Shirai, T., Nakai, Y., Nakamura, H. Ionization collisions between hydrogen and hydrogenlike atoms at high energies 9—94072
Shirai, T., Nakamura, H., Nakai, Y. Effect of excitation transfer in the ionization collisions between two excited hydrogen atoms 9—81272
Shirai, T. *see* Akashi, M. 9—63562
Shirai, T. *see* Matsuura, A. 9—50789
Shiraishi, H., Furuya, K., Watanabe, R. Change in solute oxygen level and loss of ductility of niobium during oxidation in imperfect vacuum conditions 9—52452
Shiraishi, H. *see* Ogawa, M. 9—95646
Shiraishi, K. Blanket structural material selection and development for Tokamak fusion reactors 9—97901
Shiraishi, L.M. *see* Crawford, B.W. 9—89404
Shiraishi, T. *see* Kimura, H. 9—60405
Shiraishi, Y. *see* Tsu, Y. 9—60438
Shiraiwa, T. Foreword for the minor special issue on X-ray study on deformation and fracture solid 9—66117
Shirakawa, H. *see* Yamabe, T. 9—56123
Shirakawa, K., Ido, H. Magnetic transition of intermetallic compounds $Mn_2Sb_{(1-x)}Bi_x$ ($0 \leq x \leq 0.175$) with Cu_2Sb type structure 9—78375
Shirakawa, K., Masumoto, T. The strain gauge factor and electrical properties in nonmagnetic amorphous Cu-Ag-P alloys 9—79130
Shiraki, M. Monthly mean lunar daily geomagnetic variations at Kakioka, Memambetsu and Kanoya, Japan, 1958-1973 9—96739
Shiraki, Y., Nakashima, H. Photoluminescence observation of donor pairs in silicon 9—52014
Shiraki, Y. *see* Katayama, Y. 9—78179
Shirakura, T. Recurrence and synchronism of magnetic bubble propagation 9—56579
Shirane, G. *see* Birgeneau, R.J. 9—78390
Shirane, G. *see* Endoh, Y. 9—61140
Shirane, G. *see* Heilmann, I.U. 9—91223, 9—95103
Shirane, G. *see* Majkrzak, C.F. 9—99685
Shirane, G. *see* Pouget, J.P. 9—69208
Shirane, G. *see* Thomlinson, W. 9—78320
Shirane, G. *see* Youngblood, R. 9—95100
Shirasaki, H., Makimoto, T. Gaussian curvature of the slowness surface for piezoelectric surface waves on a cubic crystal 9—77887
Shirasaki, S. *see* Moriyoshi, Y. 9—69049
Shirasuna, Y., Okubo, T. Tempered martensite embrittlement and crack initiation behavior in low alloy steel 9—66149
Shiratori, E. *see* Hattori, T. 9—74198
Shiratori, E. *see* Ide, R. 9—74232
Shiratori, E. *see* Ikegami, K. 9—74339
Shiratori, H. *see* Sasaki, M. 9—93796
Shiratori, K. *see* Kunugi, T. 9—69805
Shiratori, T. A precise determination of the argon triple point by means of thermal analysis 9—95123
Shirazi, Z.H. *see* Stojanov, C. 9—70410
Shire, P.R. *see* McCall, T.B. 9—85657
Shirk, J.S. *see* Crescenzi, F. 9—75620
Shirke, J.S. *see* Parakash, S. 9—84637
Shirkey, R.C., Miller, A. Cloud modeling: The question of isothermality 9—58076
Shirkin, A.S., Yusupov, D.B. The coefficient of conversion of principal radiation into higher harmonics in strongly inhomogeneous, nonlinear materials 9—81488
Shirkot, K.S., Singh, S. Unsteady combined free and forced convection effects on the flow in a horizontal channel 9—60061
Shirkov, A.K. *see* Demishev, A.G. 9—88960
Shirkov, A.V. *see* Galaev, A.A. 9—95249
Shirkov, D.V. *see* Kazakov, D.I. 9—97525
Shirkovskii, V.P. *see* Veprev, A.G. 9—90943
Shirland, F.A. The structure of the Cu_2S layer of Cu_2S/CdS thin-film solar cells 9—95282
Shirley, C.G., Fisher, R.M. Atomic mean-square displacement and the critical-voltage effect in cubic solid solutions 9—60236
Shirley, D.A. Many-electron and final-state effects: beyond the one-electron picture 9—61498
Shirley, D.A. *see* Denley, D. 9—69903
Shirley, D.A. *see* Mills, K.A. 9—83105
Shirley, D.A. *see* Poliakoff, E.D. 9—98130
Shirley, D.A. *see* Sherwood, P.M.A. 9—95901
Shirley, D.A. *see* Thornton, G. 9—86009
Shirley, D.A. *see* Wehner, P.S. 9—95316
Shirley, D.J. *see* Tucholke, B.E. 9—57866
Shirley, G.W., Brogli, R.H. HTGR near-breeder cycles 9—59139
Shirley, G.W. *see* Robinson, A.H. 9—89414
Shirochenkov, A.N. *see* Segeda, N.I. 9—67341
Shiroishi, Y. *see* Mashiyama, H. 9—78633
Shiroishi, Y. *see* Shimzu, H. 9—65186
Shirokanov, A.D. *see* Ageev, V.A. 9—94817
Shirokov, M.I. Signal velocity in quantum electrodynamics 9—71670
Shirokova, L.B. *see* Storozhuk, I.P. 9—55915
Shirokova, Ye.I. Changes in the focal mechanisms and their relation to 'revived' faults in the Middle and Near East 9—62450
Shirota, Y. *see* Sano, Y. 9—95831
Shirotani, I. *see* Fujii, G. 9—87090
Shirotani, I. *see* Kawamura, H. 9—60830
Shiroya, S. *see* Nishina, K. 9—63733
Shiroya, S. *see* Shin, K. 9—97926
Shiroya, S. *see* Takeuchi, H. 9—54469
Shirts, R.B., Gordon, R.G. Improved approximate analytic charge distributions for abrupt p-n junctions 9—78161
Shirvaitis, A.I., Veteikis, V.-I.I., Valitskas, V.V. Microstructure and X-ray conductivity of polycrystalline cadmium sulfide 9—56336
Shirvinskaya, A.K., Popova, V.F. Influence of isomorphous substitution Si/Ge on phase relations in the system $CaO\text{-}SiO_2/GeO_2\text{-}H_2O$ 9—52180
Shiryaev, F.Z. *see* Balbekov, V.I. 9—63829
Shiryaev, V.I. *see* Makovskii, A.A. 9—97781
Shiryaev, V.V. *see* Vavilov, V.O. 9—91897
Shiryaeva, N.M. *see* Kostik, G.E. 9—68824
Shiryagina, G.I. *see* Bogomolov, K.S. 9—68370
Shirzev, V.I. *see* Kazachkovskii, O.D. 9—97803
Shishaev, A.V. *see* Beterov, I.M. 9—94260
Shishatskaya, L.P., Lisitsin, V.M. On methods of removing radiation coloration from hydrogen lamp windows 9—72698
Shishedzhiev, B.K. *see* Petkov, V.I. 9—68822
Shishido, M., Naito, K. A study on picture improvement for side looking sonar. I 9—84516
Shishido, T. The crystallization of $Gd_2O_3\text{-}Al_2O_3$ glasses 9—50998
Shishido, T. *see* Yajima, S. 9—74122
Shishikin, A.I. *see* Kotlyarevskii, V.A. 9—70792
Shishkanova, Z.V. *see* Timoshenko, N.N. 9—87770
Shishkhanov, T.S. *see* Manokhin, A.I. 9—100090
Shishkin, A.A. *see* Pyatov, V.N. 9—64830
Shishkin, B.B. *see* Gostev, A.V. 9—93258
Shishkin, E.A. *see* Borisov, Yu.S. 9—95988
Shishkin, L.A. Magnetoelastic oscillations in ferroliquids 9—94639
Shishkin, M.N. *see* Kuznetsov, A.N. 9—80611
Shishko, A.Ya. *see* Birzvalk, Yu.A. 9—77283
Shishkov, A.A. *see* Andreev, A.K. 9—91262
Shishkov, A.G. *see* Il'icheva, E.N. 9—65702
Shishkov, L.K. *see* Alekseev, P.N. 9—97751, 9—97752
Shishkov, P.O. *see* Bulatov, E.D. 9—50023
Shishkov, V.F. *see* Markov, V.B. 9—59656
Shishlov, Yu.V., Nenashev, V.A. Electrophoretic mobility of bimolecular lipid membranes 9—79479
Shishlovskaya, G.A. *see* Kisel', N.G. 9—51067
Shishmentseva, E.V. *see* Evdokimov, T.F. 9—95735
Shishmintsev, V.F. *see* Bogatov, A.A. 9—61651
Shishodia, K.S. *see* Sekhon, G.S. 9—83212
Shishov, E.V., Roganov, P.S., Belov, V.M., Afanas'ev, V.N. Experimental study of turbulence energy balance components in the section of a retarded turbulent boundary layer 9—86415
Shishov, V.I. Frequency correlation of scintillations of focused radiation 9—94153
Shishov, V.I. *see* Chashey, I.V. 9—53693
Shishov, V.I. *see* Ozerno, L.M. 9—58427
Shishova, T.A. *see* Aleksakhin, I.S. 9—63942
Shisklo, P.M. *see* Gruzinskii, V.V. 9—54891
Shitikova, K.V. *see* Zhivopistsev, F.A. 9—75958
Shitov, V.G. *see* Bobrov, S.T. 9—98321
Shitov, V.M. *see* Rozhitskii, N.N. 9—57250
Shitov, Yu.P. *see* Bruk, Yu.M. 9—62863
Shitov, Yu.P. *see* Izvekova, V.A. 9—75233
Shitov, Yu.P. *see* Kardashev, N.S. 9—62862
Shitova, E.V. *see* Verbovetskii, A.A. 9—76639
Shitzer, A., Chato, J.C. Analytical solutions to the problem of transient heat transfer in living tissue 9—62197
Shitzer, A., Kalmanoviz, D., Zvirin, Y., Grossman, G. Experiments with a flat plate solar water heating system in thermosyphonic flow 9—70464
Shiu, K., Jones, B.G. Thermal radiation transfer through LMFBR deck insulation 9—59147
Shiue, C.C., Sah, C.T. New mobility-measurement technique on inverted semiconductor surfaces near the conduction threshold 9—69602
Shivakumar, G.K. *see* Patel, A.R. 9—52103
Shivakumar, K.N. *see* Warburton, G.B. 9—81789
Shivamoggi, B.K. Nonlinear stability of surface waves in electrohydrodynamics 9—50810
Shivamoggi, B.K. Nonlinear theory of Taylor instability of superposed fluids for wavenumbers near the linear cut-off value 9—55355
Shivamoggi, B.K. Comment on 'High-frequency subsonic flow past a pulsating thin airfoil' 9—59998
Shivamoggi, B.K., Uberoi, M.S. Convection of a weakly ionized plasma in a strong magnetic field: non-axisymmetric waves 9—90397
Shivaprakash, N.C., Rajalakshmi, P.K., Shashidhara Prasad, J. Crystallographic data for the mesogenic material cholesteryl benzoate 9—77590
Shivaprakash, N.C., Rajalakshmi, P.K., Shashidhara Prasad, J. Molecular packing coefficients of the homologous series cholesteryl alkanoates 9—82195
Shivaprakash, N.C. *see* Rajalakshmi, P.K. 9—60347
Shivarova, A. *see* Atanassov, V. 9—64862
Shively, F. *see* Minehart, R. 9—76032
Shiver, W.S. *see* Haney, R.L. 9—79852
Shivpuri, R.K., Gupt, C. Cluster production in proton-nucleon interactions at 22.8 GeV/c 9—63550
Shivpuri, R.K. *see* Gupt, C. 9—63566, 9—101038
Shivrin, O.N. *see* Malinenko, I.A. 9—95048
Shiwalkar, B.D. *see* Dixit, D.K. 9—62076
Shiyan, L.T. Effect of a constant magnetic field on the growth, development, and output of agricultural plants 9—83811
Shiyanovskii, V.I. *see* Zhmudskii, A.Z. 9—91538
Shizgal, B. *see* Lindenfeld, M.J. 9—80264, 9—86545
Shizuka, H., Tsutsumi, K., Takeuchi, H., Tanaka, I. Direct measurement of proton dissociation in the excited state of protonated 1-aminopyrene with picosecond pulses 9—50164
Shizukuishi, M. *see* Shimizu, I. 9—90009
Shkarofsky, I.P. Heat conduction and magnetic field induction in the presence of cold- and hot-electron Maxwellian distributions 9—60109
Shkarofsky, I.P. Dependence of rain attenuation and cross-polarization on drop size distribution 9—84373
Shkhalakhov, G.Sh. *see* Dorman, L.I. 9—84605

Shkirman, S.F., Solov'ev, K.N., Arabei, S.M., Egorova, G.D. Anisotropy in the emission and absorption of light by porphin and chlorine molecules in Shpol'skii matrices 9—85994
Shklover, L.P. *see* Chudinova, N.N. 9—79235
Shklovskii, B.I. *see* Baranovskii, S.D. 9—51465
Shklovskii, B.I. *see* Efros, A.L. 9—69461
Shklovskii, I.S. The nature of type I supernovae 9—58367
Shklovskii, N.Ye. *see* Liberman, Ye.A. 9—53075
Shklovsky, I.S. Is Cassiopeia A a black hole? 9—75244
Shklyaev, A.A. *see* Olshanetsky, B.Z. 9—60611
Shklyar, F.R. *see* Malikov, G.K. 9—72960
Shklyareoskii, I.N. *see* Miloslavskii, V.K. 9—99906
Shklyarevskii, O.I. *see* Verkin, B.I. 9—60457
Shklyarevskii, I.N., Khramtsova, V.I. Achromatic interference polarizers 9—55222
Shklyarevskii, I.N., Khramtsova, V.I. Dependence of the number of secondary reflection maxima from quarterwave multilayers on the refractive indices of the bounding media 9—64331
Shkoba, B.V. *see* Mauskop, E.M. 9—67428
Shkoba, V.B., Zapesochnyi, I.P., Zavilonulo, A.I. Time-of-flight method for determining energy in a nozzle-formed molecular beam 9—64122
Shkodrov, V.G., Ivanova, V.G. Seasonal variations in atmospheric density 9—53423
Shkodrov, V.G. *see* Nestorov, G.T. 9—66766
Shkol'nik, S.M. *see* Dyuzhev, G.A. 9—64953
Shkol'nik, V.S. *see* Yurchenko, D.S. 9—97868
Shkol'nikov, E.V. Some problems in kinetics of nonisothermal crystallization of melts and glasses 9—94914
Shkol'nikov, E.V. *see* Potselueva, L.N. 9—64998
Shkol'nikov, E.V. *see* Smirnov, V.D. 9—65526
Shkol'nikova, S.I. *see* Dubinin, E.M. 9—101119
Shkolnikova, S.I. *see* Podgorny, I.M. 9—62793
Shkolnki, K.D. *see* Borovoi, A.A. 9—80822
Shkul'kov, A.V. *see* Vainer, V.S. 9—69716
Shkunov, V.V. *see* Blashchuk, V.N. 9—86217
Shkunov, V.V. *see* Zel'dovich, B.Ya. 9—89966
Shkuropatov, A.Ya., Kurbanov, K.B., Stolovitskii, Yu.M., Yevstigneyev, V.B. Photochemical and photoelectric properties of the components of photosynthetic apparatus. III. Heat-stimulated conductivity in the lamellar system chlorophyll a-n-chloranil 9—53043
Shkurpelov, A.A., Zinchenko, V.F., Levin, B.A. The reconstruction of a neutron spectrum with a priori information 9—59105
Shkurpelov, A.A. *see* Subbotin, V.I. 9—71886
Shkurskii, B.I. Shaping the fields of view of optical correlation instruments 9—72688
Shkurupii, V.G. *see* Nazarov, Yu.F. 9—87678
Shkuryakova, S.N. *see* Yur'ev, B.P. 9—70014
Shkutov, V.D. Semi-automatic measuring machine for photographic plates taken with the photographic vertical circle 9—96920
Shkvar, A.Ya. A study of flow in a plane diffuser using a laser Doppler anemometer 9—86477
Shkvarunets, T.I. *see* Erkhim, V.A. 9—100216
Shlag, E.W. *see* Selzle, H.L. 9—94248
Shlanta, A. *see* Rust, W.D. 9—62558
Shlapak, A.N., Beloborodova, E.A., Batalin, G.I. Thermodynamic properties of liquid solutions of the system Ge-Mn 9—95165
Shlenkin, V.I. *see* Kurkin, I.N. 9—99767
Shlepnev, I.O. *see* Gorskii, V.V. 9—100315
Shlesberg, S.G. *see* Birger, B.I. 9—62476
Shlesinger, M.F. Electron scavenging in glasses 9—74401
Shlesinger, M.F. *see* Landman, U. 9—93066, 9—93067
Shlevin, H.H. *see* Fay, F.S. 9—88064
Shleyfer, V.A. *see* Andreyevskiy, A.A. 9—90242
Shlichta, P.J. *see* Chen, P.S. 9—74074
Shlien, D.J., Boxman, R.L. Temperature field measurement of an axisymmetric laminar plume 9—59984
Shlien, D.J., Brosh, A. Velocity field measurements of a laminar thermal 9—68674
Shlien, D.J. *see* Bobrovsky, B.Z. 9—59990
Shlifer, G., Klein, W., Reynolds, P.J., Stanley, H.E. Large-cell renormalisation group for the backbone problem in percolation 9—69481
Shlishevskii, V.B. *see* Bukhonin, Yu.S. 9—54193
Shlomchak, G.G. Simulating processes of hot rolling steels while preserving criteria of similarity 9—52266
Shlomchak, G.G., Kutsai, V.G., Fen', G.A. Device for instantaneous load release in mechanical tests 9—52524
Shlomo, S., Barrett, B.R., Weidenmuller, H.A. Microscopic calculation of the form factors for nucleon transfer in deeply inelastic collisions 9—89265
Shlomo, S., Schaeffer, R. The difference between neutron and proton radii in the Ca isotopes 9—54403
Shlyagin, M.G. *see* Petrov, M.P. 9—99770
Shlyakhov, N.A. *see* Akhiezer, A.I. 9—89285
Shlyakhov, N.A. *see* Berezhnoi, Yu.A. 9—75943
Shlyakhov, V.I. *see* Khamrakulov, T.K. 9—53537
Shlyakhter, E.M. Color correction of illumination while underwater filming 9—75645
Shlyamin, E.A. *see* Sorokina, A.V. 9—97744
Shlyapin, A.D. *see* Livshits, B.G. 9—87668
Shlyapnikov, G.V., Shmatov, I.P. Potential curves and electronic phototransitions of the F_2 molecule 9—63935
Shlyapnikov, G.V., Shmatov, I.P. Oscillatory structure of the absorption spectrum of colliding atoms 9—64093
Shlyapnikov, G.V. *see* Ostroukhova, I.I. 9—54850, 9—98212
Shlyapnikov, G.V. *see* Smirnov, B.M. 9—80028
Shlyuger, I.S. *see* Vyaznikov, V.V. 9—53624
Shmaenok, L.A. *see* Amus, M.Ya. 9—59413
Shmakov, V.A. Effect of the interaction between an inclusion and the edge dislocation elastic stress field on the kinetics of change of its shape 9—86815
Shmal'gauzen, V.I. *see* Gordienko, V.M. 9—99271
Shmal'ko, A.V. *see* Bykovskii, Yu.A. 9—64361, 9—90028
Shmarin, P.L. *see* Zaika, N.I. 9—67800, 9—80949
Shmartsev, Yu.V. *see* Belyaev, V.A. 9—74001
Shmatko, M.N. *see* Gol'dshtein, Ya.E. 9—83270
Shmatkova, A.A. Dynamic contact problems arising from the motion of a punch at the boundary of a visco-elastic space 9—81819
Shmatov, I.P. *see* Shlyapnikov, G.V. 9—63935, 9—64093
Shmatov, V.T. Dislocations in an elastically nonlinear medium. III 9—51106
Shmatov, V.T. *see* Kiselev, V.V. 9—51107
Shmelev, A.K. *see* Erokhin, A.I. 9—76762
Shmelev, A.N., Ilyunin, V.G., Murogov, V.M. Improving the characteristics of liquid-metal fast breeders using a magnetic field 9—71885
Shmelev, A.N., Yurova, L.N., Kevrolev, V.V., Murogov, V.M. Estimation of the steady-state isotopic composition of plutonium in a model of an exponentially growing nuclear power industry 9—59166
Shmelev, G.M. Theory of cyclotron resonance in semiconductors 9—73817
Shmelev, G.M., Chaikovskii, I.A., Nguen Kuang Bau High-frequency conductivity of semiconductors with superlattice 9—69542
Shmelev, G.M., Tsurkan, G.I. Mobility of carriers in n-type ZnSe 9—91051
Shmelev, Yu.S. *see* Belai, G.E. 9—52814
Shmid, M. *see* Engler, G. 9—67718
Shmidt, A.M. *see* Satarov, V.V. 9—75546
Shmidt, V.V. *see* Dukhovyi, I.S. 9—69643
Shmidt, V.V. *see* Kopezkii, Ch.V. 9—61016
Shmikk, D.V. *see* Mamyrin, B.A. 9—75652
Shmonin, V.L. *see* Varyukin, V.V. 9—80963
Shmuel Einav *see* Lev Shemer 9—77314
Shmukin, A.A., Lazuchenkov, N.M. Use of splines in the solution of inverse boundary problems of heat conduction 9—90112
Shmukk, G.N. *see* Savitskii, A.V. 9—61670
Shmulevich, M.I. *see* Shakaryan, E.S. 9—67377
Shmurak, S.Z. *see* Bredikhin, S.I. 9—56860
Shmyt'ko, I.M., Shekhtman, V.Sh., Ivanov, V.I., Khasanov, S.M. Oscillatory mode of the ferroelectric phase transition in proustite under continuous illumination 9—61315
Shmyt'ko, I.M. *see* Abdikamalov, B.A. 9—69245
Shmyt'ko, I.M. *see* Pronina, L.N. 9—70083
Shnaider, Kh. *see* Apel', V.D. 9—67609
Shneerson, G.A. *see* Zaients, S.L. 9—81089
Shneider, V.E. *see* Belosludov, V.R. 9—93074
Shneider, V.E. *see* Vlasova, A.A. 9—73889
Shneiderman, A.Sh. Deformation rate during tensile testing 9—70115
Shneyer, V.S. *see* Trofimov, I.L. 9—62480
Shnider, S. *see* Harnad, J. 9—63342
Shnidman, R. *see* Chien, C.L. 9—60411
Shnip, A.I. *see* Kolpashchikov, V.L. 9—90114
Shnitser, P.I. *see* Magdich, L.N. 9—72683
Shnygin, Yu.N. *see* Azarkh, S.L. 9—62778
Shnyrev, P.D. Equipment for parameter studies on transducers 9—50555
Shnyreva, L.A. *see* Biryukov, A.V. 9—80074
Shnyrkov, V.I. *see* Chetaev, M.P. 9—67362
Shnyrkov, V.I. *see* Tarasenko, G.I. 9—67361
Shobbrook, R.R., Faulkner, D.J. New observations of the beat Cepheid U Trianguli Australis 9—53833
Shobbrook, R.R. *see* Gascoigne, S.C.B. 9—53912
Shober, R.A. Improvements to a nodal method for LWR transient analysis 9—59131
Shochet, M.J., Linsay, P., Grosso-Pilcher, C., Frisch, H.J., DeVoe, R., Cronin, J.W., Moffett, D.R. Measurement of the decay rate for the process $K^0_L \to \mu^+\mu^-$ 08 9—63474
Shoda, K. Isospin effect in photoproton reaction on heavy nuclei 9—80926
Shodai, N. *see* Nagino, Y. 9—54470
Shoeb, M., Mujib, F., Usmani, Q.N., Khan, M.Z.R. Weakly spin-dependent effective ΔN potentials 9—85395
Shoeb, M. *see* Mujib, F. 9—85394
Shoemaker, E.M. The ultimate load interaction surface 9—76989
Shoemaker, E.M. *see* Cook, A.F. 9—92701
Shoemaker, E.M. *see* Smith, B.A. 9—92700
Shoemaker, F.C. *see* Clark, A.R. 9—75779
Shoemaker, G.L. *see* Buerger, M.J. 9—58099
Shoenberg, D. Magnetic oscillations, Fermi surfaces and high magnetic fields 9—73423
Shohet, J.L. Transport in toroidal stellarators and torsatrons 9—90381
Shohet, J.L. *see* Fairbanks, E.S. 9—73035
Shohet, J.L. *see* Probert, P. 9—50875
Shoidin, S.A. *see* Soskin, S.I. 9—55085
Shoidina, N.S. *see* Chentsov, N.N. 9—90120
Shoji, H. *see* Higashi, A. 9—79890
Shoji, T. *see* Matoba, T. 9—50890
Shoker, I., Gizon, J., Gizon, A. Band of negative-parity levels of ^{133}Nd based on the $h_{11/2}$ state 9—75813
Shokov, N.A. *see* Shashin, M.Ya. 9—52498
Sholeen, C. *see* Castano, F. 9—86049
Sholin, G.V. *see* Ivanov, M.I. 9—93861
Sholin, G.V. *see* Legasov, V.A. 9—91947
Sholkina, M.V., Migal', V.P., Rvachev, A.L. Low-frequency photofluctuations in a zinc selenide single crystal with wurtzite-sphalerite boundaries 9—69560
Sholkovitz, E.R. *see* Curtis, W.F. 9—84313
Sholokhov, V.A., Morozov, P.A. Device for calibrating radiation-pyrometer systems 9—80623
Sholokhov, V.A. *see* Morozov, P.A. 9—80614
Sholpo, L.Ye., Shchekin, M.N. The study of composition and structure of ferromagnetic components from the coercive spectra of rock specimens 9—62490
Shomakhmadov, A.M. *see* Baiburina, S.G. 9—80156, 9—80170
Shomina, E.V. *see* Zhizhin, G.N. 9—68441
Shomot, A. *see* Alkhazov, G.D. 9—75883
Shondin, Yu.G. Fourier expansion associated with the Lorentz group in the space of functions with support outside the light cone 9—71246
Shone, K.B. A notable heavy rainfall over west Cornwall 9—100935
Shono, Y. Electron spin resonance study of electron-irradiated ZnS crystals containing stacking faults 9—91293
Shooter, J.A. *see* Hawker, K.E. 9—59860
Shopenberg, Zh.M. *see* Somogy, A. 9—80173
Shor, A. *see* Lonsdale, P. 9—84212
Shore, B.W. *see* Cook, R.J. 9—94200
Shore, G.M. *see* Drummond, I.T. 9—49396
Shore, H.B. *see* Rose, J.H. 9—82530
Shore, R.A. *see* McCall, R.C. 9—49868
Shore, S.N., Adelman, S.J. An application of the Barnes-Evans relation to the peculiar A stars: a clue to their atmospheric structure and evolutionary status 9—67011
Shorin, B.F. *see* Baiburina, S.G. 9—80170
Shorin, V.F. *see* Baiburina, S.G. 9—80156
Shorokhova, V.S. *see* Grekhov, I.V. 9—73581
Shorr, B.F., Dzhamai, V.V., Dikman, G.I., Pochuev, V.P. Calculation of the required level of turbine blade cooling 9—64487
Shorshorov, M.Kh., Ustinov, L.M., Zirlin, A.M., Olefirenko, V.I., Vinogradov, L.V. Brittle interface layers and the tensile strength of metal matrix-fibre composites 9—79039
Shorshorov, M.Kh., Vinogradov, L.V., Ustinov, L.M. Calculating coefficient of stress intensity for crack being propagated perpendicular to interface between dissimilar materials 9—55340
Shorshorov, M.Kh. *see* Rykalin, N.N. 9—56955
Short, M.D., Dowsett, D.J., Heaf, P.J.D., Pavia, D., Thomson, M.L. A comparison between monodisperse Tc-99m-labeled aerosol particles and Kr-81m for the assessment of lung function 9—100716
Short, N.R. *see* Mackowiak, J. 9—96199
Shorten, F.J. NBS reactor. Summary of activities July 1977 to June 1978 9—85761
Shortridge, R.G. *see* Hsu, D.S.Y. 9—61853
Shorygin, A.P., Danielyan, G.L. Numerical simulation of electrochemical processes with free convection 9—52681
Shosa, D.W. *see* Williams, S.H. 9—49352
Shoshiashvili, S.S. *see* Abesalashvili, L.N. 9—80856
Shossev, G. *see* Manikatov, Ya. 9—100087
Shostak, S.L., Strong, R.L. Transient absorption following flash photodissociation of halogens in rare gases 9—61879
Shotes, V.L. *see* Dunn, B. 9—100515
Shotov, A.P. *see* Dureev, D.M. 9—89909
Shotov, A.P. *see* Gureev, D.M. 9—52016, 9—83033
Shotov, A.P. *see* Kucherenko, I.V. 9—51474
Shotov, A.P. *see* Vedeneeva, G.V. 9—64252
Shotter, A.C., Gelbke, C.K., Awes, T.C., Back, B.B., Mahoney, J., Symons, T.J.M., Scott, D.K. Observation of isoscalar giant-resonance structure in the fission of ^{238}U following inelastic scattering of ^{6}Li 9—89275
Shotter, A.C. *see* Flowers, A.G. 9—85459
Shotter, A.C. *see* McGeorge, J.C. 9—93672
Shotwell, R.L. *see* Dye, D.L. 9—85681
Shou-hsi Chen *see* Chen Shou-hsi
Shou-Li Peng *see* Peng Shou-Li
Shou-Peng Yu *see* Yu Shou-Peng
Shou-sheng Yan *see* Yan Shou-sheng
Shou-shi Qian *see* Qian Shou-shi
Shou-yu Chen *see* Chen Shou-yu
Shoucri, M.M. Interaction of a relativistic electron beam with surface waves 9—60153
Shoucri, M.M. Numerical solution of the two-dimensional Vlasov equation 9—73032

Shoukhtin, A.M., Fedotov, G.A. Impulsive production of thallium and manganese vapours 9—90491
Shoukri, M., Judd, R.L. On the influence of surface conditions in nucleate boiling—the concept of bubble flux density 9—55379
Shoup, J.F. *see* Mason, C.A. 9—92412
Shovskii, V.A. *see* Kazimirov, V.P. 9—77493
Showell, H.J. *see* Naccache, P.H. 9—88095
Shoya, M. Drying shrinkage of concrete due to wind action 9—61838
Shpak, E.V., Ivanova, L.P. Beam envelopes in certain electron-optical systems 9—64168
Shpak, I.V., Solomin, A.V. Effect of the refractive index of the medium on the splitting of the eigenfrequencies of a rotating ring cavity 9—98414
Shpak, L.P. *see* Gladskoi, V.M. 9—55596
Shpak, M.T. *see* Danileiko, M.V. 9—59672
Shpak, M.T. *see* Gnatovskii, A.V. 9—50327, 9—89950
Shpak, M.T. *see* Il'chishin, I.P. 9—89931
Shpak, M.T. *see* Mel'nik, V.I. 9—87479
Shpak, M.T. *see* Ostapenko, N.I. 9—78703
Shpak, M.T. *see* Smirnova, T.N. 9—64004
Shpakov, A.A. Mechanism of oxidative phosphorylation. V. Conditions promoting the control by adenosine diphosphate of the respiration of brain mitochondria 9—53068
Shpakovskiy, V.A. *see* Ornatskiy, A.P. 9—81971
Shpanov, A.P. *see* Surkov, Yu.A. 9—62767
Shpeizman, V.V., Zhoga, L.V., Vinogradov, O.P. Fatigue failure of zinc single crystals at low temperatures 9—61697
Shpeizman, V.V. *see* Smirnov, B.I. 9—100228
Shpeizman, V.V. *see* Zhoga, L.V. 9—69110
Shpengler, K. *see* Bagaeva, G.G. 9—75644
Shpenik, O.B., Zapesochnyi, I.P., Kontrosh, E.E., Nepiipov, E.I., Romanyuk, N.I., Sovter, V.V. Negative ion formation and postcollision interaction in collisions between magnesium atoms and electrons 9—54974
Shpenzer, N.P., Smorgon, O.A., Kustovskaya, I.I., Talmud, S.L. Colloidal dissolution of partly soluble liquids in water 9—66358
Shpigel', A.S. *see* Gabovich, A.M. 9—65578
Shpigel'man, E.S., Ivenskii, S.N. The UNT-74 apparatus for checking low-temperature total-radiation pyrometers 9—67387
Shpil'rain, E.E., Kagan, D.N., Barkhatow, L.S., Koroleva, V.V., Coutures, J.P., Foex, M. Investigation of fusion and phase transition enthalpies of Y_2O_3 and Sc_2O_3 9—99299
Shpil'rain, E.E., Kagan, D.N., Barkhatov, L.S., Zhmakin, L.I. Specific electric resistance of beryllium oxide in the molten state 9—82366
Shpil'rain, E.E., Kagan, D.N., Krechetova, G.A. The specific heat of liquid metal coolants based on binary systems with components Na, K, Cs 9—86902
Shpinar, L.I. *see* Antonenko, R.S. 9—51613
Shpindler, S.S. *see* Kopytov, N.N. 9—57177
Shpiner, M.M. *see* Gavrev, V.S. 9—70276
Shpin'kov, N.I. *see* Telesnin, R.V. 9—99735
Shpirko, G.N. *see* Suslikov, L.M. 9—65862
Shprenk, A.P. *see* Manoilo, A.M. 9—90355
Shraiber, A.A. *see* Savvakin, G.I. 9—68749
Shramenko, B.I. *see* Grishaev, I.A. 9—91522
Shramko, O.V. *see* Kuprievich, V.A. 9—59370
Shredchikov, L.K. Use of electromechanical feedback in low frequency geophones 9—62618
Shreffler, J.H. Detection of centripetal heat-island circulations from tower data in St. Louis 9—66753
Shreve, D.C. *see* Sperling, S.M. 9—62627
Shri, S. *see* Kondal Rao, N. 9—49806
Shridhar, M., Baraniecki, M. Accuracy of speaker verification via orthogonal parameters for noisy speech 9—64432
Shridhar, M., Stevens, M.F. Analysis of ECG data for data compression 9—100766
Shrivastava, A.K. *see* Mishra, C.B. 9—94484
Shrivastava, B.D., Landge, P.R. Lα and Lβ satellites of the heavy rare earths 9—52045
Shrivastava, K.N. Radiation in parallel pumping-ferromagnets 9—51861
Shrivastava, K.N. Radiation problem of parallel pumping in antiferromagnets 9—51934
Shrivastava, K.N. Numerical solution of the summation process in spin-lattice relaxation 9—61200
Shrivastava, K.N. Mossbauer charge density in $^{129}I^-$ 9—61275
Shrivastava, K.N. Photon-photon bound state in a magnetic medium 9—61458
Shrivastava, K.N. Magnon-photon interaction in antiferromagnets 9—69662
Shrivastava, K.N. Null points in the zero-field splitting of magnetic impurity levels 9—87066
Shrivastava, K.N. *see* Bansal, C. 9—78064
Shrivastava, K.N. *see* Srinivasan, V. 9—69221
Shrivastava, K.N. *see* Suguna, A. 9—61086
Shrivastava, P.N., Summers, R.E., Samulski, T., Baird, L. Output factors and scatter ratios 9—83944
Shrivastava, R. *see* Marshak, A.H. 9—87150
Shrivastava, R.K. On total reflection at the interface between relatively moving media 9—55032
Shrivastava, R.L. *see* Srivastava, K.S. 9—74020, 9—83057, 9—91534, 9—99985
Shrivastava, R.S. *see* Agarwal, B.K. 9—91022
Shrivastava, S.C. Inelastic buckling of plates including shear effects 9—76984
Shrivastava, S.K., Ranade, J.D., Srivastava, A.P. Metal contact effect on the persistent internal polarization in pure and doped polystyrene 9—78617
Shrivastava, U.C. On the third order elastic constants of AgCl-AgBr mixed system 9—90713
Shrivastava, V.K., Qureshi, M.S., Bhatnagar, C.S. Thermally stimulated discharge current in sulphur magneto-electrets 9—91341
Shriver, D.F. *see* Ammlung, R.L. 9—99363
Shrock, R.E., Treiman, S.B. $K^0 \rightleftarrows \bar{K}^0$ transition amplitude in the MIT bag model 9—63450
Shrock, R.E., Treiman, S.B., Wang, L.L. Bounds on quark mixing angles in the standard six-quark model 9—71686
Shrock, R.E. *see* Albright, C.H. 9—67535, 9—71751
Shrout, T.R. *see* Biggers, J.V. 9—87595
Shroy, R.E., Gaigalas, A.K., Schatz, G., Fossan, D.B. High-spin states in odd-mass $^{113-119}$Sb: ΔJ=1 bands on $9/2^+$ proton-hole states 9—54381
Shroy, R.E., Soo, P., Sastre, C.A., Schweitzer, D.G., Kraner, H.W., Jones, K.W. Measurements of impurity migration in graphite at high temperatures using a proton microprobe 9—52803
Shstopal, Yu.T., Belashov, A.S., Golubyatnikov, M.I., Martynov, V.K. Wear-test friction machine 9—52526
Shtaerman, E.Ya. *see* Tolpygo, K.B. 9—65379
Shtan', A.F. *see* Voitsenya, V.S. 9—98887
Shtandel', S.K. Semiautomatic apparatus for pressure shaping optical component banks 9—72731
Shtan'ko, A.E. *see* Bogomolov, A.S. 9—54096
Shtan'ko, V.F. *see* Lisitsyn, V.M. 9—65079
Shtanov, V.I. *see* Mityagin, Yu.A. 9—69848
Shtatland, B.S. Mathematical model of a random acoustic field 9—50495
Shtauberg, I.F. *see* Murzinov, V.I. 9—52815
Shtein, M.S. *see* Anisimov, M.P. 9—65293
Shteinberg, M.M. *see* Mirzaev, D.A. 9—70063
Shteinberg, M.M. *see* Morozov, O.P. 9—91644
Shteingol'd, Ye.Sh. *see* Shumakov, V.I. 9—53079
Shteingol'ts, Z.I. *see* Zakharchenya, B.P. 9—68414, 9—71531
Shteingrad, Z.A. The Einstein-Maxwell system of equations and the gauge of the electromagnetic field four-vector 9—88864
Shteinshraiber, V.Ya. *see* Alieva, L.N. 9—95777
Shteinshraiber, V.Ya. *see* Belen'kii, G.L. 9—69849
Shteinshriaiber, V.Ya. *see* Gashimzade, F.M. 9—51563
Shtemanetyan, G.E. *see* Atenelashvili, M.I. 9—84626
Shtemenko, L.S. The application of holography to study of shock waves 9—77181
Shtemler, Yu.M. Stable nonlinear waves in a Poiseuille flow 9—90263
Shtennikov, Yu.V., Orlov, A.B., Ivanov, V.I. Investigation of the effectiveness of estimates of the parameters of the electron density profile from VLF propagation data 9—53614
Shtennikova, I.N. *see* Tsvetkov, V.N. 9—55643
Shtepa, N.I. Longitudinal focusing of streams of uncharged spherical particles by electric fields in vacuum 9—64165
Shtern, D.M. *see* Kozlov, E.V. 9—51051
Shtern, E.N., Krutiev, V.A., Gordeeva, N.P., Kioseva, M.E., Kuznetsova, M.P. Comparative tests of different methods of determining nitrogen oxides in flue gases 9—53014
Shtern, M.B. *see* Martynova, I.F. 9—68604
Shtern, V.N. *see* Gol'dshtik, M.A. 9—86407, 9—98699
Shtern, V.N. *see* Lifshits, A.M. 9—90220
Shtilikha, M.V. *see* Pavlova, E.F. 9—60919
Shtilman, L. *see* Rubinstein, I. 9—96365
Shtil'man, M.I. *see* Aleksandrova, T.A. 9—60260
Shtoier, M. *see* Apel', V.D. 9—67609
Shtranikh, I.N. *see* Benetskii, B.A. 9—75952
Shtranikh, I.V. *see* Benetskii, B.A. 9—75990
Shtremel, M.A., Vinderlikh, B., Satdarova, F.F. Segregation of impurities on dislocations in substitutional solutions 9—65114
Shtrikman, H. *see* Tamari, N. 9—78860, 9—95949
Shtrikman, S. *see* Atzmony, U. 9—99707
Shtrikman, S. *see* Hornreich, R.M. 9—73758
Shtrikman, S. *see* Perlmutter, P. 9—87886
Shtrykov, V.K. *see* Efimov, A.I. 9—88560
Shtrykov, V.K. *see* Kolosov, M.A. 9—80295
Shturbin, A.V. *see* Vorob'ev, L.E. 9—65830
Shtutman, M.N. *see* Velyus, L.M. 9—52824
Shtykan, M.D. Accuracy of exposure setting of a programmed camera 9—75639
Shtykov, N.M. *see* Barnik, M.I. 9—55803
Shtykov, N.M. *see* Blinov, L.M. 9—91380
Shtyrkov, E.I. Formation of interferograms in a resonant medium by nonoverlapping pulses of coherent light 9—64191
Shtyrya, A.S., Eliseev, B.N. On the contribution of free radiation to the thermal condition of semitransparent high-temperature constructional materials 9—59914
Shu Ji-zu *see* Li Hua-yu 9—72964
Shu Soo Hyun *see* Soo Hyun Shu
Shu-Cheng Yu, Smith, D.K., Austerman, S.B. The crystal structures and the phase transformation of Zn-Li silicates 9—65036
Shu-De Huang *see* Huang Shu-De
Shu-fen Fu *see* Fu Shu-fen
Shu-fen Tsung *see* Tsung Shu-fen
Shu-min Shi *see* Shi Shu-min
Shu-Song Zhao *see* Zhao Shu-Song
Shu-yao Wu *see* Wu Shu-yao
Shu-Yuan Chu *see* Beavis, D. 9—97599
Shu-yuen Chang *see* Chang Shu-yuen
Shub, D.M., Chemodanov, A.N., Shalaginov, V.V. Electrochemical and corrosion behavior of a Co_3O_4 film anode in perchloric acid 9—61875
Shub, L. *see* Hager, G.D. 9—81449
Shuba, Yu.A. *see* Tymkul, V.M. 9—81365
Shubadeeva, L.P. *see* Nemchinov, I.V. 9—68412
Shubaly, M.R. High current DC ion source development at CRNL 9—76223
Shubaly, M.R. *see* Hepburn, J.D. 9—93846
Shubin, G., Chen, S. Gasdynamic modeling and computational accuracy 9—72872
Shubin, L.E. *see* Blagov, M.I. 9—76303
Shubin, R.P. Modern heat-treatment technology 9—96048
Shubin, V.E. *see* Kravchenko, A.B. 9—58794, 9—63308
Shubin, V.I., Sergeeva, V.M., Murashova, M.V., Poddubnyi, I.M., Simonov, K.V., Bugaev, N.F. Spinel-bonded magnesite refractories with reduced thermal conductivity 9—83162
Shubin, V.V. *see* Andreyeva, N.Ye. 9—79468
Shubin, V.V. *see* Kataev, G.I. 9—91723
Shubina, V.V. *see* Kuklev, V.P. 9—89936
Shubova, R.S. *see* Bezrodnyi, V.G. 9—88452
Shuder, J.M., MacAlpine, G.M. A photoionization model analysis of QSO ultraviolet emission lines 9—71148
Shuey, R.T. *see* Klein, J.D. 9—53337, 9—53338
Shugaenko, V.K. *see* Vorontsov, N.M. 9—78994
Shugaev, F.V. *see* Ibragim, M.A. 9—94650
Shugaev, F.V. *see* Piskareva, M.V. 9—64696
Shugard, M. *see* Tully, J.C. 9—99411
Shugarov, S.Yu. *see* Lyutyi, V.M. 9—58360, 9—101224
Shui Lai *see* Wolford, D.J. 9—95840
Shui Wang *see* Wang Shui
Shui-Yin Lo *see* Kovacs, E. 9—71631, 9—85227
Shukalov, I.B. *see* Demidov, A.M. 9—89268
Shukeilo, I.A. Variable charge heavy ion synchrotron theory 9—72124
Shukeilo, I.A. *see* Balbekov, V.I. 9—63829
Shukeilo, I.A. *see* Baldin, A.M. 9—72125
Shukhman, V.A. *see* Krasnov, Yu.K. 9—56379, 9—56470
Shukhtin, A.M., Fedotov, G.A., Mishakov, V.G. Production of free copper atoms from nitrate vapor 9—79244
Shukhtin, A.M., Fedotov, G.A., Mishakov, V.G. Impulsive production of copper vapours 9—90492
Shukhtin, A.M., Plekhotkin, G.A., Mishakov, V.G. Observation of the dissociation of the WCl_6 molecule in a pulsed discharge and measurement of the relative oscillator strengths of W I lines 9—63962
Shukla, A.K., Shukla, J.P., Sharma, S.M., Singh, R.L., Agrawal, S.P. Solar activity effects on cosmic ray intensity and geomagnetic field variation 9—84764
Shukla, J.P. *see* Shukla, A.K. 9—84764
Shukla, K.P., Singh, S., Singh, Y. Equilibrium properties of simple molecular fluids 9—64976
Shukla, M.M. *see* Bonelli, E. 9—86853
Shukla, M.M. *see* Cavalheiro, R. 9—51217
Shukla, P., Schowalter, L.J., Klein, M.W. Random spin system in the Bethe-Peierls-Weiss approximation 9—78387
Shukla, P. *see* Klein, M.W. 9—65682
Shukla, P.K., Tagare, S.G. Scattering of ordinary electromagnetic waves by ion cyclotron waves in the ionosphere 9—70916
Shukla, P.K. *see* Bujarbarua, S. 9—98898
Shukla, R.C. *see* Whitmore, M.D. 9—95537
Shukla, R.P. *see* Kudchadker, A.P. 9—77736
Shukla, R.P. *see* Murty, M.V.R.K. 9—54174, 9—81549
Shukla, R.P. *see* Yakhmi, J.V. 9—90537
Shukla, S.D. *see* Nigam, K.K. 9—73328
Shukla, V.K. *see* Mishra, U.C. 9—92106
Shulaev, N.S. *see* Grigor'ev, V.P. 9—55046, 9—55540
Shulekin, A.F. *see* Grekhov, I.V. 9—95487
Shulepov, V.I. *see* Kut'enkov, V.A. 9—66201
Shulepov, Yu.V. *see* Aksenenko, E.V. 9—88892
Shuler, K. *see* Oesterreicher, H. 9—91997
Shuler, K.E. *see* Bulsara, A.R. 9—85079
Shuler, K.E. *see* West, B.J. 9—85078
Shul'ga, A.M., Sinyakov, G.N., Gurinovich, G.P. Intermediate products of the reaction of reduction of the porphyrins and their structure 9—53019
Shul'ga, A.M. *see* Gladkov, L.L. 9—64010
Shul'ga, N.A. Surface thermoelastic waves in the regular layered half space 9—50625
Shulga, N.F. *see* Akhiezer, A.I. 9—61459
Shul'ga, N.F. *see* Fomin, S.P. 9—99256

Shul'ga, V.G. *see* Maslyuk, V.T. 9—87051
Shulga, V.I. On a property of the continuum planar potential [channelling theory] 9—51177
Shulga, V.M. *see* Korolev, V.D. 9—78519
Shul'ga, V.M. *see* Kraev, O.A. 9—71452
Shul'gin, B.V. *see* Betenekova, T.A. 9—69416
Shul'gin, B.V. *see* Kadoshnikova, N.V. 9—91488
Shul'gin, V.I. *see* Likhter, V.A. 9—86521
Shul'gin, V.V., Popov, D.N., Fedotov, V.A., Andreev, A.B. Respirator based on jet-flow vortex-type components 9—79683
Shul'ginov, B.S. Problem of determining the degree of stress-cycle asymmetry 9—90187
Shul'govich, G.I. *see* Gorev, V.S. 9—68146
Shulik, S. *see* Cain, B. 9—70743
Shulika, V.V. *see* Startseva, I.E. 9—51772
Shull, C.G. *see* Zeilinger, A. 9—73071
Shull, J.M. Self-consistent spherical accretion onto compact X-ray sources 9—53936
Shull, J.M. Dynamical effects on binary X-ray sources in dense stellar clusters 9—97098
Shul'man, E.P., Baikov, V.I. Entrainment of a viscoplastic fluid by a moving surface 9—72916
Shul'man, G.A. Quantum theory of magnetism for superdense stars 9—92753
Shul'man, M.G. *see* Rokityanskiy, L.I. 9—62432
Shulman, S. *see* Johnson, M.W. 9—92874
Shul'man, S.G. *see* Grachev, A.I. 9—94192
Shul'man, S.G. *see* Sattikulov, M. 9—90734
Shul'man, Z.P., Baykov, V.I., Zal'tsgendler, E.A. Heat and mass transfer in free convection of non-Newtonian fluid 9—68765
Shul'man, Z.P., Kordonskiy, V.I., Novichenok, L.N., Kunevich, T.V., Demchuk, S.A., Bukovich, I.V. Effect of the magnetic field on convective heat transfer and thermophysical properties of ferromagnetic suspensions 9—77264
Shul'man, Z.P., Korobko, Ye.V., Matsepuro, A.D., Khusid, B.M. Influence of the electroviscous effect on heat transfer in the channel between coaxial cylinders 9—77100
Shul'man, Z.P. *see* Demchuk, S.A. 9—81988
Shul'pina, I.L. *see* Petrashen', P.V. 9—86647
Shulten, K. *see* Orlandi, G. 9—79473
Shultin, A.A. *see* Abolin'sh, Ya.Ya. 9—99887
Shultis, J.K., Faw, F.E., Roseberry, M., Nason, R., Clifford, C.E., Yoon, W. A benchmark gamma-ray skyshine experiment. Measurements and calculations 9—59274
Shul'ts, M.M. *see* Filippov, V.K. 9—95173
Shul'ts, V.V., Tiunov, V.V. Natural form of wear in body rotating in viscous abrasive medium 9—79114
Shultz, M.J. *see* Black, J.G. 9—61884
Shultz, P.C. Progress in optical waveguide processes and materials 9—50459
Shulyak, R.S. *see* Fedoruk, R.M. 9—52505
Shulze, K.-D. *see* Engel, H. 9—63631
Shul'zhenko, A.A. *see* Vishnevskii, A.S. 9—69550
Shul'zhenko, Ye.N. *see* Al'ferov, N.S. 9—77221
Shum, Y. *see* Hu, C. 9—99623
Shumacher, G. *see* Lewis, J.E. 9—60519
Shumakov, V.I., Shteingol'd, Ye.Sh., Izakov, V.Ya., Itkin, G.P., Kramarenko, V.N., Yasnikov, G.P. Modelling of the contractility of the atria and ventricles of heart muscle. I. Modelling of single contractions 9—53079
Shuman, M.E. *see* Brennen, W. 9—87876
Shuman, M.S., Michael, L.C. Reversibility of copper in dilute aqueous carbonate and its significance to anodic stripping voltammetry of copper in natural waters 9—74446
Shumate, M.S. *see* Kavaya, M.J. 9—94325
Shumate, P.W. *see* Karr, M.A. 9—64241
Shumeiko, N.M. On approximate calculation of electromagnetic corrections to deep-inelastic lN scattering 9—67558
Shumeiko, N.M. *see* Bardin, D.Yu. 9—49526
Shumilkin, N.S. *see* Mozhaev, A.P. 9—52141
Shumilov, M.A., Bondar', V.I., Sokolov, K.N., Kaloshina, Yu.P., Muzalev, V.D., Boriskina, N.I. Effect of chemical composition on the strength of steel 18 Gps 9—57081
Shumilov, O.I. *see* Senatorov, V.N. 9—62679
Shumilova, G.I. *see* Materova, E.A. 9—91972, 9—96337
Shumilova, N.A. *see* Kudryavtseva, Z.I. 9—61871
Shumovskii, A.S. *see* Meleshko, A.N. 9—65807
Shumskii, M.G. *see* Gavrilov, K.I. 9—94977
Shumskii, M.P. *see* Galkin, Yu.S. 9—88948
Shun-xuan Zheng *see* Zheng Shun-xuan
Shunyakov, V.T. Proton in a uniform magnetic field and a quantized electromagnetic wave field 9—49433
Shuo-Hung, K. *see* Ting-Chang, H. 9—63376
Shuohong Guo *see* Guo Shuohong
Shupe, M.A. A composite model of leptons and quarks 9—93354
Shupe, M.A., Milburn, R.H., Quinn, D.J., Rutherfoord, J.P., Stottlemyer, A.R., Hertzbach, S.S., Kofler, R.R., Lomanno, F.D., Rabin, M.S.Z., Deutsch, M., White, M.M., Galik, R.S., Siemann, R.H. Neutral-pion photoproduction and proton Compton scattering at large angles 9—63485
Shur, D.M., Bishutin, G.A., Gel'miza, V.I. Determination of the J integral under elastic-plastic strain conditions 9—64515
Shur, E.A. Structure and contact-fatigue strength of steel 9—100254
Shur, M.L., Shcherbinin, V.E. Field of a strongly elongated elliptical cylinder in a nonlinear medium 9—91895
Shur, V.L. *see* Lyubimov, V.V. 9—63300
Shur, Ya.S., Belozerov, E.V., Maikov, V.G., Serikov, V.V., Yurchikov, E.E., Kleinerman, N.M., Lapina, T.P., Shchegoleva, N.N., Magat, L.M. Influence of plastic deformation on the structure and magnetic properties of Fe-Cr-Co alloys 9—70176
Shur, Ya.S., Glazer, A.A., Gass, V.G., Puzanova, T.Z. Magnetic-reversal processes in magnetically uniaxial highly anisotropic ferromagnets 9—87286
Shur, Ya.S. *see* Luzhinskaya, M.G. 9—99720
Shur, Ya.S. *see* Startseva, I.E. 9—51772
Shur, Ya.S. *see* Tiunov, V.F. 9—51801
Shur, Ya.Sh. *see* Apollonov, V.V. 9—72603
Shuraleva, E.I. *see* Belova, N.S. 9—52022
Shuravenko, N.A. *see* Skripov, V.P. 9—86491
Shurbelev, P.A. *see* Golod, I.S. 9—89027
Shure, K., Wallace, O.J., Connor, J.C. Comparison of calculations and measurements of fission product decay heat for uranium-235 and plutonium-239 for cooling times $>5\times10^4$ s 9—76083
Shure, K. *see* Schick, W.C., Jr. 9—59220
Shurin, A.K. *see* Barabash, O.M. 9—51262
Shurin, A.K. *see* Dmitrieva, G.P. 9—52171
Shurin, Ya.I. *see* Mirinskii, D.S. 9—93159
Shurinov, A.I. *see* Kestenboim, Kh.S. 9—90281
Shurshakova, T.N. *see* Virgil'ev, Yu.S. 9—95053
Shurvell, H.F., Cameron, T.E., Baker, D.B., Daunt, S.J. The i.r. rotation-vibration band contours of 1,3,5-trifluorobenzene 9—76430
Shurvell, H.F. *see* Hall, J.R. 9—91433
Shusha, V.V. *see* Lugakov, P.F. 9—90701
Shushkova, V.B. *see* Chasovitin, Yu.K. 9—62652
Shushlebina, N.Ya. *see* Gavrilov, K.I. 9—94977
Shustarev, D.Yu. *see* Shapiro, L.L. 9—55237
Shuster, L.M. *see* Ishchuk, V.L. 9—61828
Shusterov, B.G., Salyukov, Yu.L., Statnikov, A.K. X-ray locator for transthoracic punch biopsy 9—92331
Shustorovich, E. Perturbation theory, 3-orbital-4-electron and 4-orbital-4-electron bonding, and the inductive effect in tetrahedral compounds 9—98000
Shustov, A.V. *see* Prokopenko, V.S. 9—59071
Shustov, V.B. *see* Litvin, A.K. 9—70252
Shustov, V.I. *see* Amarantova, I.I. 9—81918
Shuter, E. *see* Keys, W.S. 9—79767
Shutilov, V.A. *see* Charnaya, E.V. 9—95674
Shutilov, V.A. *see* Komashnya, V.L. 9—69746
Shutkin, A.E. *see* Kozyrev, V.S. 9—74875
Shutov, B.M. *see* Vakulenko, O.V. 9—78721
Shutov, K.G. *see* Volossov, A.A. 9—58816
Shutov, S.D. *see* Arkhipov, V.I. 9—95418
Shutov, S.D. *see* Iovu, M.A. 9—73589
Shutov, V.A. *see* Grigoryan, G.V. 9—70285, 9—79203
Shutova, S.S. *see* Boyarskaya, Yu.S. 9—51114
Shutt, R.P. Cloud chambers: expansion and diffusion 9—72192
Shuttleworth, D. The application of ESCA to structure and bonding in polymer surfaces with particular reference to glow discharge polymerization 9—57344
Shuttleworth, D. *see* Clark, D.T. 9—74468
Shuvaev, M.A. *see* Alkhazov, G.D. 9—80938
Shuvaev, V.P., Turyshev, B.I., Sazhin, B.I. Applicability of the theory of space-charge-limited currents to ion injection into polymeric dielectrics 9—69775
Shuvalov, L.A. *see* Balagurov, A.M. 9—51923
Shuvalov, L.A. *see* Blinc, R. 9—78635
Shuvalov, L.A. *see* Dmitriev, V.P. 9—56800
Shuvalov, L.A. *see* Gladkii, V.V. 9—73887
Shuvalov, L.A. *see* Gladkin, V.V. 9—65808
Shuvalov, L.A. *see* Ivanov, N.R. 9—55887
Shuvalov, L.A. *see* Kessenikh, G.G. 9—95077
Shuvalov, P.S. *see* Akopdzhanov, G.A. 9—59305
Shuvalov, R.S. *see* Apel', V.D. 9—67609, 9—89194
Shuvalov, R.S. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Shuvalov, V.A. Accuracy of computation of ion density during flow of a rarefied plasma around bodies 9—50849
Shuvalov, V.V. *see* Voronin, E.S. 9—59761
Shvab, S.A. *see* Murashko, R.E. 9—100098
Shvachka, A.B. *see* Katyshev, Yu.V. 9—98735
Shvaiko, N.Yu. On two bifurcation forms of the deformation process in an elastoplastic solid under combined loading 9—98628
Shvaishtein, Kh.S. *see* Anokhina, Z.V. 9—67409
Shvangiradze, R.R. *see* Vysokova, I.L. 9—94838
Shvarev, K.M., Gushcin, V.S., Baum, B.A. Effect of temperature on the optical properties of iron 9—87412
Shvarts, D. *see* Goldstein, M. 9—59272
Shvarts, K.K. *see* Augustov, P.A. 9—56759
Shvarts, K.K. *see* Augustovs, P.A. 9—56766
Shvarts, K.K. *see* Ozols, A.O. 9—55086
Shvarts, V.M., Zenina, V.V. Methods of determining a three dimensional light scattering function for an undeveloped emulsion layer 9—97460
Shvarts, Yu.M. *see* Berdnichenko, P.E. 9—73578
Shvarts, Yu.M. *see* Mitin, V.V. 9—51697, 9—91171
Shvartsburg, A.B. Non-linear geometrical optics in the theory of evolution of waves in a plasma 9—73008
Shvartsburg, A.B. The temperature anomaly of the resonant high-frequency dissipation of electromagnetic waves in plasma 9—73016
Shvartsman, B.B. *see* Bayukov, Yu.D. 9—49538
Shvartsman, L.A., Emel'yanenko, L.P., Ul'yanov, V.I. Influence of alloying elements on solubility of phosphorus in solid iron 9—69248
Shvartsman, L.A. *see* Chistyakov, Yu.I. 9—52461
Shvartsman, Sh.M. *see* Gavrilov, S.P. 9—49434, 9—54288
Shvartsman, S.Ya. *see* Apatovskii, L.E. 9—68710
Shvartz, E., Bhattacharya, A., Sperinde, S.J., Brock, P.J., Sciaraffa, D., Van Beaumont, W. Sweating responses during heat acclimation and moderate conditioning 9—100576
Shvedkov, E.I. *see* Glazov, V.M. 9—95038
Shvedkov, Yu.A. *see* Smushkovich, B.L. 9—57172
Shvedov, E.V. *see* Postnikov, V.S. 9—74092
Shvedova, A.A. *see* Kagan, V.Ye. 9—53086
Shveikin, G.P. *see* Buzuev, G.V. 9—78534
Shveikin, G.P. *see* Gubanov, V.A. 9—60710
Shveikin, G.P. *see* Pavlov, I.E. 9—55906
Shvenchyanas, P.P. *see* Babezha, A.V. 9—94618
Shvets, A.E. *see* Mishnev, A.F. 9—90496
Shvets, A.I. *see* Koval', M.A. 9—90277
Shvets, I.T., Repukhov, V.M., Bogachuk-Kozachuk, K.A. Efficiency of film cooling of a rotating surface 9—98718
Shvets, R.N., Dasyuk, Ya.I. Optimal management of diffusion treatment of a viscoelastic cylinder in terms of acceptable concentration-dependent stresses 9—94510
Shvets, T.M. *see* Galkina, O.S. 9—69699
Shvets, Yu.I., Vishnevskii, V.K. Calculation of the boundary layer for liquids, the thermophysical properties of which are significantly temperature-dependent 9—64661
Shvetsov, I.K. *see* Kosyakov, V.N. 9—59187
Shvetsova, G.A. *see* Kiparisov, S.S. 9—100267
Shvidkii, V.A. *see* Maslov, V.P. 9—79133
Shvidler, M.I. *see* Indel'man, P.V. 9—68800
Shvorneva, L.I. *see* Fedorova, R.A. 9—61757
Shvydchenko, A.G. *see* Gorev, V.S. 9—68146
Shwedyk, E., Dunfield, V.A. Sampling rate for myoelectric processors 9—96713
Shwedyk, E., Dunfield, V.A. Dynamic error performance of the human operator 9—96714
Shwedyk, E. *see* Dunfield, V. 9—53283
Shwedyk, E. *see* Dunfield, V.A. 9—96712
Shwedyk, E. *see* Fleisher, S.M. 9—100763
Shyam, R., Baur, G., Rosel, F., Trautmann, D. (α,^{3}He) breakup reaction on nuclei and the neutron momentum distribution in the α particle 9—54445
Shyam, R. *see* Mehra, R.M. 9—51603, 9—65524, 9—95406
Shyn, T.W., Sharp, W.E. Doubly differential cross sections of secondary electrons ejected from gases by electron impact: 50-300 eV on helium 9—59585
Shyuler, I. *see* Baldin, B.Yu. 9—68140
Si, D.T. Resolution of Fredholm equations with kernels $K(z\text{-}z_0)$ by operational calculus 9—88794
Si Khyb Li *see* Li Si Khyb
Si-Cheng Wu *see* Wu Si-Cheng
Siambis, J.G. High current beam stability in linear accelerators 9—72001
Siambis, J.G. m=1 cyclotron-mode klystron instability 9—73005
Siambis, J.G. Adiabatic equations of state for intense relativistic particle beams 9—77399
Siart, O. *see* Chestnut, R. 9—89533
Sibarova, I.A. *see* Zavadskii, E.A. 9—87256
Sibbitt, W.L., Dodson, J.G., Tester, J.W. Thermal conductivity of crystalline rocks associated with energy extraction from hot dry rock geothermal systems 9—70790
Sibel'din, N.N. *see* Kavetskaya, I.V. 9—99488
Sibgatullin, E.S. *see* Teregulov, I.G. 9—94498
Sibilia, C. *see* Bertolotti, M. 9—55104
Sibille, F. *see* Chelli, A. 9—101079
Sibley, W.A., Martin, J.J., Wintersgill, M.C., Brown, J.D. The effect of radiation on the OH infrared absorption of quartz crystals 9—99913
Sibley, W.A. *see* Iverson, M.V. 9—83016
Sibson, R.H. Radiant flux as a guide to relative seismic efficiency 9—66646
Sicha, M. Measurement of the electron energy distribution function in flame plasma at atmospheric pressure 9—60190
Sichel, E.K. *see* Gittleman, J.I. 9—56876
Siciliano, E.R. *see* Giebink, D.R. 9—85286
Siciliano, E.R. *see* Kowalski, K.L. 9—67778
Sick, I. The structure of ^{3}He and elastic electron scattering 9—71848
Sick, I. Lepton scattering 9—80929
Sick, I. *see* Kiebele, U. 9—85483
Sick, I. *see* Platchkov, S.K. 9—93541
Sickafus, E.N., Kukla, C. Linearized secondary-electron cascades from the surface of metals. III. Line-shape synthesis 9—74035

Sicuranza, G.L. An interactive system for computer reduction and display of two-dimensional data 9—58257
Sicuranza, G.L. *see* Malagnini, M.L. 9—58266
Siddans, A.W.B. *see* Casey, M. 9—83230
Siddiqi, F.A., Beg, M.N., Prakash, P. Studies with model membrances. XXII. Evaluation of thermodynamic parameters and testing of theories of membrane and bi-ionic potential based on nonequilibrium thermodynamics 9—92168
Siddiqi, F.A. *see* Beg, M.N. 9—57294
Siddiqi, M.I.A. *see* Gopinathan, K.K. 9—83005
Siddiqui, S.H. Studies of electrical properties of microchannel plates during and after high-temperature vacuum bakeout 9—97935
Siddon, T.E. *see* Rackl, R. 9—72742
Siddons, D.P. *see* Rodrigues, A.R.D. 9—49213
Sidel'nikova, Z.I. *see* Kossova, N.F. 9—55221
Sideman, S. *see* Moulem-Maron, D. 9—72947
Sidenko, T.S., Sheka, D.I. Absorption coefficient of light in partially disordered cubic semiconductors 9—69803
Sider, F.M., Matzie, R.A. Plutonium fuel cycles in the spectral shift control reactor 9—89386
Sider, F.M. *see* Garel, K.C. 9—89387
Sidhanta, S. On the pion absorption by the deuteron 9—89181
Sidhu, D.P. *see* Mohapatra, R.N. 9—89095
Sidhu, D.P. *see* Richard, J.-M. 9—63421
Sidhu, K.S. *see* Singh, P.P. 9—87865
Sidhu, S.S. *see* Schmit, J. 9—78852
Sidis, V. *see* Olsen, J.O. 9—68314
Sidis, V. *see* Pradel, P. 9—54964
Sidko, A.F., Filimonov, V.S., Sidko, F.Y., Rubtsov, I.D. A field double-beam differential spectrophotometer 9—49269
Sidko, F.Y. *see* Sidko, A.F. 9—49269
Sidko, F.Ya. *see* Lopatin, V.N. 9—74608
Sidlichovsky, M. Note on the shift of the center of libration of geosynchronous satellites 9—84649
Sidman, R.L. *see* Noebels, J.L. 9—83736
Sidnin, A.I., Sheshukov, A.N., Sheberstov, V.I. Evaluation of stationary potential, oxidation current density of developing substances on silver, and the charge sign of silver particles during photographic development 9—100417
Sidokhin, E.F. *see* Kushnir, I.P. 9—50938
Sidonskii, O.B. *see* Vasenin, I.M. 9—86400
Sidor, I.A. *see* Kozhina, I.I. 9—95188
Sidorenko, A.I. *see* Azarkh, S.L. 9—62778
Sidorenko, A.I. *see* Ivanov-Kholodny, G.S. 9—96939
Sidorenko, A.S., Minenko, E.V., Fogel, N.Ya., Shekhter, R.I., Kulik, I.O. Critical field anisotropy in inhomogeneous superconducting films 9—56459
Sidorenko, A.S. *see* Fogel, N.Ya. 9—56363, 9—95546
Sidorenko, E.M. *see* Abil'siitov, G. 9—94254
Sidorenko, F.A. *see* Klyueva, I.B. 9—66174
Sidorenko, I.S. *see* Shemonaev, G.P. 9—67305
Sidorenko, M.V. *see* Dorf, V.A. 9—91902
Sidorenko, N.B. *see* Berezhnoi, A.A. 9—81554
Sidorenko, N.B. *see* Nikonov, O.V. 9—72690
Sidorenko, O.G., Fedorova, S.A. Formation of the structure of silicon—manganese cast irons during crystallization 9—83191
Sidorenko, R.A. *see* Rabinovich, S.V. 9—81580
Sidorenko, V.I. *see* Artamonov, V.V. 9—51966
Sidorenko, V.I. *see* Chalykh, A.E. 9—51432
Sidorenkov, N.S. An investigation of the role of the atmosphere in the excitation of multiyear variations in the Earth's rotation rate 9—96734
Sidorin, A.V. *see* Danileiko, Yu.K. 9—69548
Sidorin, K.K. *see* Abramov, V.N. 9—95329
Sidorin, K.K. *see* Zhuze, V.P. 9—69859
Sidorin, Ya.S. Bending of simply supported orthotropic elliptical plates. I. Bending in accordance with the 'straight normals' hypothesis 9—86354
Sidorin, Ya.S. Deflection of freely supported orthotropic elliptical plates. II. Taking the effect of interlayer shears on plate deflection into account 9—98622
Sidorin, Ya.S. *see* Gulev, I.A. 9—52537
Sidorov, A.A., Likhtenshtein, A.I., Gubanov, V.A. Ninety-degree exchange interactions of transition metal ions 9—69666
Sidorov, A.I. Altering the design of the anode of a plasma torch to increase the efficiency of deposition (to reduce gas consumption) 9—87750
Sidorov, A.I. *see* Shchutskii, V.I. 9—53295
Sidorov, A.N., Vinogradskii, A.G. Activation of vibrational transitions in metal phthalocyanines when intermolecular interactions are taking place 9—54857
Sidorov, A.N. *see* Andreev, S.I. 9—86634
Sidorov, E.E. *see* Yamshchikov, V.S. 9—70274
Sidorov, G.I., Dvukhsherstnov, V.G., Dulin, V.A., Kazanskii, Yu.A., Shapar, A.V. Measurement of ratios of ^{235}U and ^{239}Pu capture cross section to fission cross section in BFS critical assemblies 9—97737
Sidorov, N.K., Nedranets, Yu.I. Determination of the sizes and concentration of scattering centers in liquid crystals causing dynamic light scattering using the turbidity spectrum method 9—77509
Sidorov, N.K. *see* Eskin, V.A. 9—56786
Sidorov, S.K. *see* Dubinin, S.F. 9—94964
Sidorov, S.K. *see* Men'shikov, A.Z. 9—82759
Sidorov, S.V. *see* Anokhov, S.P. 9—49302
Sidorov, V.A. *see* Glechnikov, V.A. 9—84530
Sidorov, V.A. *see* Zhdanovich, G.M. 9—100081
Sidorov, V.M. *see* Bel'kov, A.A. 9—71763
Sidorov, V.M. *see* Ivanova, M.P. 9—59072
Sidorov, Yu.L. *see* Zhigalkin, A.K. 9—60211
Sidorova, M.P., Fridrikhsberg, D.A. Method for determining the adsorption potentials of ions at a solution-solid phase interface 9—56068
Sidorova, T.Ya. *see* Seleznev, V.A. 9—52516
Sidorovich, A.V., Mikhailova, N.V., Baklagina, Yu.G., Koton, M.M., Gusinskaya, V.A., Batrakova, T.V., Romashkova, K.A. Peculiarities in the thermomechanical behaviour of polyamidoimides regarding their molecular structure 9—57029
Sidorovich, V.A. *see* Nikolaev, V.S. 9—54960
Sidorovich, V.G. *see* Vorzobova, N.D. 9—72536
Sidorski, Z. *see* Radon, T. 9—73394
Sidoruk, A.M. *see* Tarasov, M.D. 9—91467
Sidyakin, V.G. *see* Podlasov, S.A. 9—90949
Sie, S.G. *see* van Engelen, P. 9—69749
Sie, S.H. *see* Bolotin, H.H. 9—63630
Sie Tan Hong *see* Hong Sie Tan
Siebe, A.E. Cost-effective QA options for operations [nuclear plants] 9—97863
Siebenand, J.F. *see* Medress, M.F. 9—64424
Siebenlist, U. RNA polymerase unwinds an 11-base pair segment of a phage T7 promoter 9—70512
Siebenthal, J.M.De *see* De Siebenthal, J.M.
Sieber, W., Haslam, C.G.T., Salter, C.J. Continuum observations of the supernova remnant CTA1 at 2695 MHz 9—62890
Siebert, H. *see* Nuber, B. 9—60311
Siebert, H.W. *see* Bourquin, M. 9—71768
Siebert, K. *see* Euler, K.-J. 9—69485
Siebrand, W., Zgeirski, M.Z. Theory of resonance Raman scattering by degenerate modes due to Renner-Teller interaction in porphyrins 9—59461
Siefert, G. Photovoltaic cells as fission product detectors 9—93873
Siefken, L.J. *see* Hanson, G.H. 9—89361
Siegbahn, E.M. Generalizations of the direct CI method based on the graphical unitary group approach. I. Single replacements from a complete CI root function of any spin, first order wave functions 9—81144
Siegel, A. *see* Schultz, A. 9—98072
Siegel, B., Eberlein, D., Rifkin, D., Davis, K.A. A time-dependent cyclodextrin induced perturbation of ionic equilibria across a carbohydrate membrane 9—96523
Siegel, B.M. *see* Kirkland, E.J. 9—71570
Siegel, E. Local moment and ferromagnetic state formation in dilute, degenerate d-electron alloys: ferromagnetic versus antiferromagnetic interactions 9—51748
Siegel, E. Mode-softened unified theory of disordered systems: liquids, glasses and powders 9—55637
Siegel, E. t-matrix theory of thermal and nonstoichiometric softening of transition metalloids: effect of vacancy concentration on the anion sublattice 9—86788
Siegel, E. Surface energy for brittle fracture from phonon frequencies in transition metal carbides and nitrides via calculation of Debye temperatures, force constants and infrared vibrational frequencies: relevance of mechanical properties to soft-mode induced superconductivity 9—86837
Siegel, E. d-bandwidth contraction upon metalloid formation: a resolution of the bonding controversy in transition metal carbides, nitrides and borides 9—87041
Siegel, E., Muller, K.A. Structure of transition-metal-oxygen-vacancy pair centers 9—60354
Siegel, H.M. *see* Ravindhran, K.S. 9—99030
Siegel, J.H. *see* Geisler, F.H. 9—62395
Siegel, M. *see* Olinger, M. 9—57703
Siegel, R. *see* Klein, R. 9—82442
Siegel, R.T. The concept of an Eastern Meson Facility 9—85839
Siegel, R.W. *see* Berger, A.S. 9—51142, 9—65217
Siegel, R.W. *see* Lam, N.Q. 9—60351
Siegel, R.W. *see* Smedskjaer, L.C. 9—91523
Siegel, V., Boros, L., Kirchner, H.H. On the TSEE-absorption maximum in lithium-doped BeO-ceramics 9—100028
Siegel, W. Supersymmetric dimensional regularization via dimensional reduction 9—67202
Siegel, W. Supergravity supergraphs 9—67203
Siegel, W. Gauge spinor superfield as scalar multiplet 9—85241
Siegel, W. Unextended superfields in extended supersymmetry 9—89076
Siegel, W., Ziegler, E., Kuhnel, G. A simple laboratory method for contacting of semiconductors for electrical measurements from low up to high temperatures 9—49215
Siegel, W. *see* Becherer, H. 9—52094
Siegel, W. *see* Kuhnel, G. 9—95419
Siegert, G. *see* Quade, U. 9—93872
Siegl, G. The Peierls phase transition 9—60806
Siegman, A.E. Simplified derivation of the Fokker-Planck equation 9—71188
Siegman, A.E. *see* Salcedo, J.R. 9—55215
Siegmann, A., Narkis, M., Puterman, M., Benedetto, A.T. Glassy polymer solutions: some morphology-property relationships 9—65007
Siegmann, A. *see* Narkis, M. 9—99082
Siegmann, E.R. *see* Henry, T.P. 9—49754, 9—85617
Siegmonn, E.R. *see* Henry, T.P. 9—49762
Siegrist, J. *see* Rapidis, P.A. 9—75780
Siegrist, J.L. *see* Abrams, G.S. 9—89149, 9—89174
Siegrist, P. *see* Badier, J. 9—93460
Siegrist, T. *see* Hulliger, F. 9—99700
Siegwarth, J.D. *see* Radebaugh, R. 9—80624
Sieh, K.E. Slip along the San Andreas fault associated with the great 1857 earthquake 9—66633
Sieh, K.E. Central California foreshocks of the great 1857 earthquake 9—84129
Sieh, K.E. *see* Agnew, D.C. 9—84128
Sieker, L. *see* Hanson, J.C. 9—73069
Siekman, J.G. Analysis of laser drilling and cutting results in Al_2O_3 and ferrites 9—70180
Siemankowski, R.F., Giambalvo, A., Dreizen, P. A new analytical procedure for two-dimensional electrophoresis of cellular proteins: comparison of protein compositions of parent strain and a K^+-accumulation mutant of E. coli 9—96528
Siemann, D.W., Hill, R.P., Bush, R.S., Chhabra, P. The in vivo radiation response of an experimental tumor: the effect of exposing tumor-bearing mice to a reduced oxygen environment prior to but not during irradiation 9—88127
Siemann, R., Cooper, B.R. Enhanced lattice-displacement effects on the crystal field and the anamolous magnetic anisotropy in cerium monopnictides 9—73477
Siemann, R., Cooper, B.R. Alternative modes of lattice distortion and the effects on magnetic transitions: behavior of CeBi 9—78325
Siemann, R. *see* Cooper, B.R. 9—78324
Siemann, R.H. *see* Shupe, M.A. 9—63485
Siemens, P.J., Rasmussen, J.O. Evidence for a blast wave from compressed nuclear matter 9—49592
Siemers, D., Nembach, E. Thermally activated domain-wall motion in ferromagnetic single crystals 9—95603
Siemiarczuk, T. *see* Braun, H. 9—58969
Siemiarczuk, T. *see* Faessler, M.A. 9—93664
Siemon, R.E. *see* Commisso, R.J. 9—82088
Siems, R. *see* Weyrich, K.-H. 9—77719
Siemsen, J.K., Waxman, A.D., Grebe, S.F. The use of gallium-67 in pulmonary disorders 9—57771
Siemssen, R.H. *see* Fortune, H.T. 9—93655
Siemssen, R.H. *see* Saha, A. 9—49584
Siemssen, R.H. *see* Siwek-Wilczynska, K. 9—71862
Siena, S.De *see* De Siena, S.
Sienicki, J.J., Abramson, P.B. Effects of recent modeling developments in LMFBR prompt burst calculations 9—49767
Sienicki, J.J., Abramson, P.B. The modeling and numerical methods of TWOPOOL 9—59195
Sienicki, J.J. *see* Abramson, P.B. 9—59196
Sienkiewicz, A. *see* Michaut, J.P. 9—95648
Sienkiwicz, J. *see* Czuchaj, E. 9—81254
Sienko, M.J. *see* Chang, A.T. 9—65504
Sienko, M.J. *see* Edwards, P.P. 9—87306
Sieradzan, A., Sieradzan, W., Rosinski, K. The Bloch theory and its application for the description of optical pumping and magnetic resonance in multilevel systems 9—59403
Sieradzan, W. *see* Sieradzan, A. 9—59403
Sieradzki, K., Ficalora, P. The dependence of the fracture toughness of 4340 steel on an external chlorine gas environment 9—100295
Sieranski, K., Szatkowski, J. Galvanomagnetic effects in a non-homogeneous semiconductor 9—91077
Siethoff, H. Self-diffusion in InSb 9—65249
Siethoff, H. Dynamical recovery and diffusion 9—82379
Siethoff, H. *see* Schroter, W. 9—69284
Sievers, A.J. Spectral selectivity of composite materials 9—74520
Sievers, A.J. *see* Chin, A.K. 9—61371
Sievers, A.J. *see* Craighead, H.G. 9—52037
Sievers, A.J. *see* Devaty, R.P. 9—69865
Sievers, A.J. *see* Trotter, D.M., Jr. 9—52956
Siewert, C.E. On establishing a two-term scattering law in the theory of radiative transfer 9—75479
Siewert, C.E., Phelps, J.S. On solutions of a transcendental equation basic to the theory of vibrating plates 9—53980
Siewert, C.E. *see* Devaux, C. 9—75096, 9—92592
Siffert, P. Something new in solar cells 9—66409
Siffert, P. *see* Bell, R.O. 9—69920, 9—74029
Siffert, P. *see* Hage-Ali, M. 9—56046
Siffert, P. *see* Ponpon, J.P. 9—61984, 9—99620
Sigaev, G.I. *see* Boev, S.G. 9—69526
Sigal, I.M. *see* Horwitz, L.P. 9—84985
Sigalov, V.M. *see* Kraft, O.E. 9—80907
Sigalov, Yu.M. *see* Koryagin, N.I. 9—96421

Sigaud, G., Hardouin, F., Achard, M.F. A possible polar smectic A-non-polar smectic A transition line in a binary system? 9—82324
Sigaud, G., Hardouin, F., Achard, M.F., Gasparoux, H. Anomalous transitional behaviour in mixtures of liquid crystals: a new transition of S_A-S_A type? 9—95132
Sigaud, G. *see* Hardouin, F. 9—60490, 9—69233, 9—94890, 9—95133
Sigaud, J. *see* Haouat, G. 9—89230
Sigel, G.H., Jr. *see* Fontanella, J. 9—65786
Sigel, G.H., Jr. *see* Stapelbroek, M. 9—65729
Sigel, R. *see* Maaswinkel, A.G.M. 9—73015
Sigg, H. *see* Eckstein, S.G. 9—55984
Siggia, E.D. Hydrodynamic stability of an evolving vortex ring in a counterflow 9—86944
Siggia, E.D. Late stages of spinodal decomposition in binary mixtures 9—99320
Sigillito, V.G. *see* Elcrat, A.R. 9—75351
Sigl, A.B., Corotis, R.B., Won, D.J. Run duration analysis of surface wind speeds for wind energy application 9—100916
Sigler, R.D. *see* Tarvin, J.A. 9—97417
Sigmon, T.W. *see* Gibbons, J.F. 9—73182, 9—90555
Sigmon, T.W. *see* Regolini, J.L. 9—60391, 9—73185, 9—99225
Sigmund, E. *see* Bill, H. 9—82567
Signorelli, A.J. *see* Baughman, R.H. 9—74052
Sigrist, M. *see* Gravier, P. 9—78781
Sigrist, M.W., Fuchs, F., Kneubuhl, F.K. Influence of the transverse mode structure on laser-induced acoustic waves 9—77683
Sigrist, M.W., Kneubuhl, F.K. Pressure saturation of laser-generated acoustic waves in liquids 9—60435
Sigurdsson, G. *see* Apel', V.D. 9—67609, 9—89194
Sigurdsson, G. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Sigurdsson, S. *see* Bjornsson, A. 9—84210
Sigvaldason, H. *see* Balzer, R. 9—60352
Siitari, D. *see* Alkire, R. 9—70337
Siivola, A. *see* Katajanheimo, R. 9—89231
Sijacki, Dj. *see* Ne'eman, Y. 9—93331
Sik Chun Kwan *see* Kwan Sik Chun
Sik Kim Heung *see* Heung Sik Kim
Sikanen, P. *see* Puumalainen, P. 9—88220
Sikdar, M.K. *see* Rudra, P. 9—91239
Sikic, B.I. *see* Magin, R.L. 9—83894
Sikivie, P., Weiss, N. Static sources in classical Yang-Mills theory 9—97513
Sikka, S.K. *see* Vohra, Y.K. 9—90952
Sikka, V.K. *see* Gray, R.J. 9—61816
Sikkens, M. Radiation heat losses in solar collectors with plastic covers 9—74538
Siklos, T. *see* Plakida, N.M. 9—51209
Siklos, T. *see* Stamenkovic, S. 9—55858, 9—73290
Sikora, A. *see* Makiej, B. 9—56468
Sikora, A.V., Voitsenja, T.I., Gritsyna, V.T., Uvarov, B.S. On mechanism of red thermoluminescence of Al_2O_3:Cr^{3+} crystals 9—56868
Sikora, B. *see* Eswaran, M.A. 9—89321
Sikora, D.I. *see* Aleksandrov, B.M. 9—63709
Sikora, I. *see* Bonnet, J.P. 9—61791
Sikora, J. *see* Krzeminski, S. 9—94448
Sikora, R., Krason, P., Gramz, M. Magnetic field synthesis at the mid-plane of a solenoid 9—94123
Sikorov, V.N., Degtyareva, V.F. Phase transformation in Ti-Nb alloys under the influence of shock waves 9—91641
Sikorski, J. Problem of the depth of the spectral line formation in solar atmosphere 9—88639
Sikri, A.K., Narchal, M.L. Second order two-spin cross-relaxation in 6% nickel fluosilicate and Ni-benzene 9—95632
Sikri, A.P. *see* Zukor, S.H. 9—87947
Siksin, V.V. *see* Apokin, V.D. 9—67615
Sil, N.C., Saha, B.C., Saha, H.P., Mandal, P. Rearrangement collisions in highly excited states of atomic hydrogen 9—59564
Sil, N.C. *see* Mandal, P. 9—89772
Sil, N.C. *see* Sinha, C. 9—59581, 9—64074
Silady, F.A. *see* Wakefield, D.J. 9—49735
Silaev, V.I. *see* Belyaeva, A.I. 9—73788
Silant'ev, N.A. Transfer of polarized radiation through rarefied magnetoactive plasma 9—92669
Silant'ev, V.I., Shevchenko, N.A., Melamed, B.Ya. Control of cleanness of the surfaces of monocrystals of tungsten by the method of spectroscopy of total current 9—90858
Silbar, R.R. *see* Kloet, W.M. 9—67590
Silber, D. *see* Dziewior, J. 9—99559
Silberberg, A. *see* Krindel, P. 9—90334
Silberberg, A. *see* Wolff, C. 9—90518
Silberberg, J.L., Walchle, R.L. A portable spectrometer/dosimeter for measuring low levels of neutron radiation 9—49869
Silberberg, Y., Levy, U. Modal treatment of an optical fiber with a modified hyperbolic secant index distribution 9—90010
Silberg, E., Zemel, A. Cadmium diffusion studies of PbTe and $Pb_{1-x}Sn_xTe$ crystals 9—69292
Silberman, E. *see* Sanjurjo, J.A. 9—65875
Silberman, M.L. *see* Slemmons, D.B. 9—79838
Silbermann, R. *see* von Ortenberg, M. 9—69724
Silbernagel, B.G. *see* Thompson, A.H. 9—73494
Silberstein, R.P., Safran, S.A., Dresselhaus, M.S. First- and second-order Raman scattering in EuSe near T_N 9—61374
Silberstein, R.P. *see* Safran, S.A. 9—61373
Silbert, M. *see* Harder, J.M. 9—65207
Silbert, M. *see* Perry, B.N. 9—77471
Silbey, R. *see* Blumen, A. 9—65916
Silbey, R. *see* Shand, M.L. 9—86094
Silbey, R. *see* van Himbergen, J.E. 9—95262
Sil'chuk, N.D. *see* Provornov, Yu.S. 9—59657
Silcox, J. *see* Leapman, R.D. 9—61478
Sild, O. The reorientation of the impurity molecule in crystal at phonon excitation 9—51019
Sil'd, O.I. *see* Freiberg, A.M. 9—95823
Silenok, A.S. *see* Ageev, V.P. 9—86616, 9—91540
Silenok, A.S. *see* Arzuov, M.I. 9—52052
Silevitch, M.B. *see* Ames, E.E. 9—88969
Silfhout, A.Van *see* Van Silfhout, A.
Silfvast, W.T., Szeto, L.H., Wood, O.R., II Recombination lasers in Nd and CO_2 laser-produced cadmium plasmas 9—94217
Silhavy, M. How many constitutive functions are necessary to determine a thermoelastic material? 9—94488
Silin, A.A. *see* Dukhovskoi, E.A. 9—87140
Silin, A.P. Metal-insulator transitions in layer dichalcogenides of transition metals (TiS_2, $TiSe_2$) 9—78009
Silin, A.P. *see* Andryushin, E.A. 9—95342
Silin, A.V. *see* Semenko, N.G. 9—96259
Silin, V.P. Spin waves in nontransition metals 9—82770
Silin, V.P., Uryupin, S.A. Possibility of experimental determination of the self-consistent film potential 9—69612
Silin, V.P. *see* Basov, N.G. 9—86587
Silin, V.P. *see* Krupnova, L.V. 9—55509
Silin, V.P. *see* Pustovalov, V.V. 9—60138
Silin, V.P. *see* Zverev, V.M. 9—91089
Silinskaya, E.G. *see* Yakup, A.V. 9—50601
Silinsky, P. *see* Seehra, M.S. 9—82768
Siljenberg, D.W., Olson, W.H. A high sensitivity blood pressure device with digital output 9—79675
Silk, J. *see* Binney, J. 9—71164
Silk, J. *see* Sherman, R.D. 9—92897
Silk, J. *see* White, S.D.M. 9—92899
Silk, M.G. The transfer of ultrasonic energy in the diffraction technique for crack sizing 9—83429
Silk, M.G., Bainton, K.F. The propagation in metal tubing of ultrasonic wave modes equivalence to Lamb waves 9—68459
Silker, W.B., Wogman, N.A., Thomas, C.W., Carr, D.B., Heasler, P.C. Measurement of radon diffusion and exhalation from uranium mill tailings piles 9—92109
Silko, P.P. To obtain maximum power in a reactor with discrete classical-like control 9—67920
Sill, W.R. *see* Tripp, A.C. 9—84095
Sill, W.R. *see* Ward, S.H. 9—84260
Sillesen, A.H. *see* Jorgensen, L.W. 9—50894
Sillitto, W. Fraunhofer diffraction at straight-edged apertures 9—76584
Sills, H.E. ELOCA fuel element behaviour during high-temperature transients 9—81043
Sills, H.E., Holt, R.A. NIRVANA, a high temperature creep model for Zircaloy fuel sheathing 9—87704
Sills, J.A. *see* Thompson, D.J. 9—100630
Sil'man, G.I., Zhukov, A.A. Heterogenization of ferrite in silicon cast irons 9—96125
Silman, S. The effects of aging on the stapedius reflex thresholds 9—100625
Silman, S. The acoustic reflex, aging, and the distortion product: a reply to Jerger [J. Acoust. Soc. Am. 66, 908 (1979)] 9—100628
Silman, S. *see* Gelfand, S.A. 9—86306
Sil'nitskaya, G.B. *see* Pakhomov, V.I. 9—99224
Silonov, V.M. *see* Katsenl'son, A.A. 9—69404
Silonov, V.M. *see* Katsnel'son, A.A. 9—69058
Silsbee, R.H., Janossy, A., Monod, P. Coupling between ferromagnetic and conduction-spin-resonance modes at a ferromagnetic normal-metal interface 9—78521
Silva, A.Ferreira da *see* Ferreira da Silva, A.
Silva, A.T.S.Ferreira Da *see* Ferreira Da Silva, A.T.S.
Silva, C.E.T.Concalves da *see* Concalves da Silva, C.E.T.
Silva, C.E.T.Goncalves da *see* Goncalves da Silva, C.E.T.
Silva, D.A. *see* Hammond, E.J. 9—100794
Silva, E. Rate constants studies of the dye-sensitized photoinactivation of lysozyme 9—79476
Silva, E. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Silva, E.C.da *see* da Silva, E.C.
Silva, E.Z.da *see* da Silva, E.Z.
Silva, E.Z.Da *see* Da Silva, E.Z.
Silva, J.H., Slobodnik, A.J., Jr., Kearns, W.J. A 2.2 GHz SAW delay line fabricated by direct optical projection 9—81667
Silva, J.H. *see* Slobodnik, A.J., Jr. 9—68493
Silva, L. *see* Kumar, R. 9—88474
Silva, M.R.M.Crespo da *see* Crespo da Silva, M.R.M.
Silva, N.R. *see* Taguena-Martinez, J. 9—95562
Silva, W.M.da, Jr. *see* da Silva, W.M., Jr.
Silva, X.A.da *see* da Silva, X.A.
Silva Campos, O. *see* Dombre, M. 9—91623
Silva Moreira, A.F. Nonequilibrium thermodynamics and quasielastic light scattering from crystals 9—61391
Silveira, A.da *see* da Silveira, A.
Silveira, R.da *see* da Silveira, R.
Silver, A.H. *see* Millea, M.F. 9—60910
Silver, A.H. *see* Suhl, H. 9—56423
Silver, C.A. *see* Glaser, E.R. 9—81623
Silver, D.M., Wilson, S., Bunge, C.F. Comparison within the algebraic approximation of configuration interaction and many-body perturbation theory for the Be ground state 9—68198
Silver, D.M. *see* Wilson, S. 9—59354, 9—59364, 9—85882
Silver, J., Ferrone, S. Structural polymorphism of human DR antigens 9—66441
Silver, J., Russell, W.A. Structural polymorphism of I-E subregion antigens determined by a gene in the H-2K to I-B genetic interval 9—66442
Silver, J.D. *see* Jelley, N.A. 9—89637
Silver, J.D. *see* Trabert, E. 9—59545
Silver, M. *see* Schaffman, M.J. 9—73510
Silver, R. Magnetic tape recording and reproduction 9—88934
Silver, R.S. Coupling and uncoupling in irreversible thermodynamics 9—58664
Silvera, I.F., Berkhout, P.J., van Aernsbergen, L.M. Frequency dependence of Raman-active phonons in solid HCP hydrogen on ortho-para concentration and temperature 9—73918
Silvera, I.F., Jochemsen, R. Orientational ordering in solid hydrogen: dependence of critical temperature and concentration on density 9—86725
Silvera, I.F. *see* Berkhout, P.J. 9—87432
Silvera, I.F. *see* Jochemsen, R. 9—56023, 9—56788, 9—91430
Silvera, I.F. *see* Walraven, J.T.M. 9—99911
Silverberg, E.C. *see* Bender, P.L. 9—79723
Silverberg, G.D. *see* Fryer, T.B. 9—74736
Silverberg, N. Sediments of the Rimouski shelf region, lower Saint Lawrence estuary 9—62530
Silverman, A. *see* Dixon, R. 9—89169
Silverman, A. *see* McShan, D.L. 9—62336
Silverman, B. *see* Sadler, M.E. 9—85328
Silverman, D. *see* Bander, M. 9—80826
Silverman, E. *see* Brundle, C.R. 9—82437
Silverman, J. *see* Oberg, C.L. 9—52868
Silverman, J.P. *see* Brick, D. 9—58980
Silverman, M. *see* Lumsden, C.J. 9—58462
Silverman, P.J. Superconducting fluctuation effects in amorphous-bismuth thin films in the presence of a perpendicular magnetic field 9—60980
Silverman, P.J. *see* Stensgaard, I. 9—82443
Silverman, S. *see* Chamberland, B.L. 9—90610
Silverman, S.M. *see* Tuan, T.F. 9—53603
Silverstein, F.E. *see* Gulacsik, C. 9—79598
Silverstone, H.J., Carroll, D.P., Metzger, R.M. Psuedo-eigenvalue equation for natural orbitals of two-electron systems and long range behavior 9—85886
Silverstone, H.J., Koch, P.M. Calculation of Stark effect energy shifts by Pade approximants of Rayleigh Schrodinger perturbation theory 9—98024
Silvester, R. *see* Hsu, J.R.C. 9—50741
Silveston, P.L. *see* Balakrishnan, A.R. 9—57489
Silvestre, J.-P. About some oxygen derivatives of rhenium VII: perrhenates of the actinides, molybdo- and tungstoperrhenates 9—69091
Silvestre-Brac, B. *see* Boisson, J.P. 9—80884
Silvestri, S.De *see* De Silvestri, S.
Sil'vestrov, B.G. *see* Bezdetnyi, N.M. 9—99843
Sil'vestrov, L.V. *see* Birulev, V.K. 9—67547
Sil'vestrov, S.V. *see* Dmitrevskii, N.N. 9—94429
Sil'vestrova, I.M., Obukhova, N.F., Atroshchenko, L.V., Sysoev, L.A., Pisarevskii, Yu.V. Piezoactivity of the system ZnS-MgS 9—95709
Sil'vestrova, I.M., Polkhovskaya, T.M., Pisarevskii, Yu.V. Variation of the elastic properties of gadolinium and terbium molybdate crystals with the mechanical load 9—55809
Sil'vestrovich, S.I., Semenova, E.V. Glass-crystal material in the RO-Al_2O_3-SiO_2-TiO_2 system with increased electrical conductivity 9—60876
Silvi, B. Molecular force field calculations by the MINDO/3 method 9—76408
Silyuk, V.F., Mal'ko, I.I., Lavrinovich, P.A., Naumenko, N.N., Korennoi, B.P. Improved effectiveness of differential circuits used to suppress low-frequency noise 9—52608
Sim, K.S. *see* Oeschler, H. 9—97720
Sim, R.G. *see* Kaplan, S. 9—59152
Simaitis, V. *see* Bross, A. 9—89517
Simak, V. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Simakina, E.G. *see* Rybakov, A.K. 9—96976
Simakov, I.G. *see* Bazarov, V.D. 9—86281
Simakov, V.S. *see* Gubaryenko, L.A. 9—74969
Siman, N.I. *see* Goryachev, Yu.M. 9—73568
Simanek, E. Effect of charging energy on transition temperature of granular superconductors 9—91181
Simanek, E., Yoksan, S. Spatial variations of order parameter near Anderson impurity in superconductors 9—60962

Simankova, L. Certain possibilities of measuring high resistivity semiconducting materials 9—80647

Simanovskii, A.A. *see* Upit, G.P. 9—49280

Simanovskii, G.P. *see* Saltanov, G.A. 9—77224

Simard-Normandin, M., Kronberg, P.P. New large-scale magnetic features of the Milky Way 9—58418

Simbel, M.H. *see* Abul-Magd, A.Y. 9—54449, 9—54451

Simchuk, R.N. *see* Kitsa, M.S. 9—87459

Simek, M. Some characteristics of the Geminid meteor shower 9—80277

Simenov, S.L. *see* Kushnir, I.P. 9—50938

Simeonov, G. *see* Slavchev, S.G. 9—55357

Simeonova, K. *see* Khadzhikov, L. 9—64536

Simha, R. *see* Jain, R.K. 9—64974, 9—73084

Simhony, M., Bass, M. Piezoelectric oscillations in PLZT pyroelectric detectors in response to short CO_2 laser pulses 9—61305

Simhony, M., Bass, M., Van Stryland, E.W., Tenescu, E.M., Levy, B. Fast response of PLZT pyroelectric detectors to megawatt CO_2 laser pulses 9—54187

Simic, M.M. *see* Vukanovic, V.M. 9—54196

Simion, V. *see* Abou-Leila, M.A.A. 9—85576

Simionescu, C. *see* Dumitrescu, S. 9—98256

Simionescu, C.L. Notes on a mathematical model in plasma physics 9—55503

Simister, D.N. *see* Ekstron, L.P. 9—59032

Simister, D.N. *see* Mustaffa, O.M. 9—85402

Simiu, E., Changery, M.J., Filliben, J.J. Extreme wind speeds at 129 stations in the contiguous United States 9—88457

Simizu, M. *see* Yamazaki, Y. 9—55411

Simizu, S. Phase transition of layered manganese compound: $Mn(NH_3)_2Ni(CN)_4C_{12}H_{10}$ 9—91234

Simkiavicius, V.J. *see* Gimbutis, G.I. 9—98711

Simkin, D., Martin, J.P., Dang, L.S., Kamishina, Y. Determination of excited state symmetry and g-value from the magnetic field dependence of the radiative decay time: $KI:In^+$ and $KI:Sn^{2+}$ 9—99922

Simkin, D.J. *see* Gannon, K.O. 9—82957

Simkin, E.S. *see* Bronshtein, D.Kh. 9—100260

Simkin, E.S. *see* Ishchuk, V.L. 9—61828

Simkin, J. *see* Newport, R.W. 9—63834

Simkins, T.E. *see* Bailey, C.D. 9—75327

Simkins, T.E. *see* Smith, C.V., Jr. 9—92927

Simkovich, G. *see* Darken, L.S. 9—77914

Simmers, D.A., Coney, J.E.R. A Reynolds analogy solution for the heat transfer characteristics of combined Taylor vortex and axial flows 9—59974

Simmers, D.A. *see* Coney, J.E.R. 9—77126

Simmich, O., Loffler, H. On the description of isothermal phase transformations in binary alloys 9—51234

Simmonds, J.G. Accurate nonlinear equations and a perturbation solution for the free vibrations of a circular elastic ring 9—64576

Simmonds, J.G. Surfaces with metric and curvature tensors that depend on one coordinate only are general helicoids 9—71252

Simmonds, J.R. *see* Linsley, G.S. 9—74554

Simmonds, P.E. *see* Martin, A.D. 9—99915

Simmonds, P.E. *see* Nakashima, S. 9—73978

Simmons, A. *see* Pratap, M. 9—63512

Simmons, A.H. *see* Bunch, P.C. 9—74752

Simmons, A.J. Tropical stratospheric waves 9—92585

Simmons, C.J. *see* Simmons, J.H. 9—78620

Simmons, G. *see* Hall, J. 9—84137

Simmons, G.L. Analysis of reactor cavity radiation streaming: some practical considerations 9—89363

Simmons, G.L. *see* Albert, T.E. 9—89367

Simmons, G.W., Vertes, A., Varsanyi, M.L., Leidheiser, H., Jr. Emission Mossbauer studies of anodically formed CoO_2 9—61268

Simmons, G.W. *see* Vertes, A. 9—61778

Simmons, H. *see* Collares-Pereira, M. 9—62105

Simmons, J.A. Perception of echo phase information in bat sonar 9—83800

Simmons, J.A., Brock Fenton, M., O'Farrell, M.J. Echolocation and pursuit of prey by bats 9—83807

Simmons, J.A. *see* Fengih, A.S. 9—62269

Simmons, J.E. *see* Bonner, B.E. 9—67572

Simmons, J.E. *see* Willard, H.B. 9—63502

Simmons, J.G. *see* Faraone, L. 9—95501

Simmons, J.G. *see* Habib, S.E-D. 9—60926

Simmons, J.H., Elterman, P.B., Simmons, C.J., Mohr, R.K. Dielectric relaxation in high-silica borosilicate glasses 9—78620

Simmons, J.H., Macedo, P.B., Barkatt, A., Litovitz, T.A. Fixation of radioactive waste in high silica glasses 9—49708

Simmons, J.H., Mohr, R.K., Tran, D.C., Macedo, P.B., Litovitz, T.A. Optical properties of waveguides made by a porous glass process 9—94375

Simmons, K.E. *see* Pang, K. 9—96958

Simmons, L.M., Jr. *see* Nielo, M.M. 9—84895

Simmons, L.M., Jr. *see* Nieto, M.M. 9—59434

Simmons, N.P.C. *see* Kroto, H.W. 9—93989

Simmons, R.G. *see* Keller, J.H. 9—87579

Simmons, R.O. *see* Gates, J.V. 9—56024, 9—73374

Simmons, V.P. *see* Mellen, R.H. 9—68466, 9—74914

Simnad, M. *see* Yang, L. 9—59171

Simnett, G.M. *see* Charlton, C.P. 9—80194

Simnick, J.J. *see* Sebastian, H.M. 9—65177

Simoes, I.M. A promising source of energy for the Portuguese area. Azores geothermic energy 9—79373

Simon, A., Ravez, J., Hagenmuller, P., Frit, B. Phase transitions in $Bi_{1-x}Te_xO_{3/2+x/2}$ ($0.33 \lesssim x \lesssim 0.50$) solid solutions 9—55886

Simon, A. *see* Denis, S. 9—91712

Simon, A. *see* Ulrich, R. 9—81524

Simon, A.J.B. Observations of complex radio sources in Abell clusters at 2.7 GHz 9—92881

Simon, B. New rigorous existence theorems for phase transitions in model systems 9—58649

Simon, B. The definition of molecular resonance curves by the method of exterior complex scaling 9—63903

Simon, B., Woermann, D. Changes of composition of the outer phases of a membrane system during hyperfiltration: obligatory deviation 9—92003

Simon, B. *see* Graffi, S. 9—68209

Simon, B. *see* Klaus, M. 9—75374

Simon, C. *see* Batallan, F. 9—95310

Simon, C.E., Foch, J.D., Jr. Numerical integration of the Burnett equations for shock structure in a Maxwell gas 9—94677

Simon, D. *see* Bell, M. 9—93413

Simon, D. *see* Tronc, M. 9—86077

Simon, G. Comment on 'Conditionally convergent series and a point charge between two parallel grounded planes' 9—71201

Simon, G.G., Borkowski, F., Schmitt, Ch., Walther, V.H., Arenhovel, H., Fabian, W. Inelastic electromagnetic form factors of the deuteron and exchange current effects 9—93418

Simon, G.W. *see* Meyer, F. 9—75170

Simon, H.J. *see* Plotz, G.A. 9—59694

Simon, J. Flow of a non homogeneous fluid with an initial density which vanishes 9—53983

Simon, J. *see* Guenin, M. 9—85238

Simon, J.M., Ratto, J.O., Comastri, S.A. Sine condition derivation via Fourier optics 9—98297

Simon, J.M. *see* Gil, M.A. 9—81526

Simon, J.M. *see* Simon, M.C. 9—72722

Simon, J.P. *see* Papon, A.M. 9—82244

Simon, M., Righini-Cohen, G., Joyce, R.R., Simon, T. A determination of the reddening of the H_2 emission from the Orion Molecular Cloud 9—71095

Simon, M., Scherzer, R., Enge, W. A two-zone propagation model applied to radioactive cosmic ray isotopes 9—66891

Simon, M. *see* Arens, J.F. 9—58249

Simon, M. *see* Aubert, M. 9—97762

Simon, M. *see* Gotz, J. 9—76869

Simon, M. *see* Simon, T. 9—62882

Simon, M.C., Simon, J.M., de Zenobi, E.L. Testing optical surfaces by the method of the caustic using a phase-strip as spatial filter 9—72722

Simon, N.R. Double mode pulsation as a resonance phenomenon 9—67015

Simon, P.C. *see* Vanlaethem-Meuree, N. 9—81208

Simon, R. *see* Hood, W.P., Jr. 9—70575

Simon, R.H. *see* Scoville, J.J. 9—97759

Simon, R.S. The uses and limitations of computerised X-ray tomography for medical diagnosis of the eye socket 9—100727

Simon, R.S. *see* Cohen, M.H. 9—92882

Simon, S.R. *see* Jelenc, P.C. 9—96517

Simon, T., Simon, M., Joyce, R.R. Bα line survey of compact infrared sources 9—62882

Simon, T. *see* Jako, C. 9—68034

Simon, T. *see* Simon, M. 9—71095

Simon, Y. *see* Mathieu, P. 9—55965

Simonaitis, R., Glavas, S., Heicklen, J. The reactions of CCl_2FO_2 with NO and NO_2 and the thermal decomposition of $CCl_2FO_2NO_2$ 9—74931

Simonaitis, R., Heicklen, J. The reactions of CCl_3O_2 with NO and NO_2 and the thermal decomposition of $CCl_3O_2NO_2$ 9—57256

Simonato, J. *see* Piriou, B. 9—69835

Simondet, F. *see* Laurence, G. 9—61754

Simonelli, C. *see* Rotondi, E. 9—63879

Simonelli, C. *see* Serra, A. 9—63872, 9—63880

Simonen, T.C. *see* Turner, W.C. 9—86589

Simonenko, A.N. *see* Galibina, I.V. 9—101124

Simonenko, A.P. *see* Povkh, I.L. 9—77101

Simonenko, L.S. *see* Gabovich, M.D. 9—55048

Simonetta, M. *see* Bianchi, R. 9—68972

Simonetta, M. *see* Cattania, M.G. 9—60636

Simonetta, M. *see* Filippini, G. 9—86966

Simonetta, M. *see* Tantardini, G.F. 9—85917

Simonetti, I. *see* Chierchia, S. 9—62394

Simonetti, J., McClure, D.S. Electron transfer bands of the divalent 3d transition series ions in LiCl 9—95810

Simoni, A. *see* Marmo, G. 9—49020, 9—63011

Simoni, B.De *see* De Simoni, B.

Simoni, R. *see* Marinangeli, A. 9—87866

Simonich, D.M., Clemesha, B.R., Kirchhoff, V.W.J.H. The mesospheric sodium layer at 23°S: nocturnal and seasonal variations 9—74932

Simonich, D.M. *see* Clemsha, B.R. 9—79964

Simonich, D.M. *see* Kirchhoff, W.V.J.H. 9—70905

Simonich, D.M. *see* Takahashi, H. 9—80067

Simonich, J.C., Bradshaw, P. Effect of free-stream turbulence on heat transfer through a turbulent boundary layer 9—55385

Simonik, D. Statistical thermometer 9—63208

Simonis, F., van der Leij, M., Hoogendoorn, C.J. Physics of doped tin dioxide films for spectral-selective surfaces 9—74013

Simonius, M. *see* Haeberli, W. 9—76251

Simonov, A.P. *see* Abakumov, G.A. 9—59696, 9—76442, 9—98353

Simonov, I.N., Shilov, V.N. Theory of low-frequency dielectric dispersion of a suspension of ideally polarizable spherical particles 9—61912

Simonov, K.V., Bocharov, L.D., Kononenko, G.V., Nechistykh, G.A. Structure and properties of fused periclase and periclase-chromite blocks produced from beneficiated starting materials 9—87600

Simonov, K.V. *see* Shubin, V.I. 9—83162

Simonov, M.A., Belokoneva, E.L., Belov, N.V. Refined crystal structure of synthetic cadmium pectolite $NaHCd_2(Si_3O_9)$ 9—86763

Simonov, M.A., Belov, N.V. Factors affecting the coordination numbers of cations as illustrated by cadmium compounds with XO_4 tetrahedral complexes 9—86768

Simonov, M.A. *see* Belokoneva, E.L. 9—86769

Simonov, M.A. *see* Biyushkin, V.N. 9—94998

Simonov, M.A. *see* Bondareva, O.S. 9—82192, 9—86765

Simonov, M.A. *see* Bukvetskii, B.V. 9—94979

Simonov, M.A. *see* Ivanov, Yu.A. 9—86771

Simonov, M.A. *see* Kazanskaya, E.V. 9—86764

Simonov, M.A. *see* Petrova, I.V. 9—86770

Simonov, M.A. *see* Sokolova, E.V. 9—86775

Simonov, M.A. *see* Sturua, G.I. 9—90628

Simonov, M.A. *see* Tarkhova, T.N. 9—51097

Simonov, V.D. *see* Pavlov, V.I. 9—71916

Simonov, V.E. *see* Birulev, V.K. 9—67547

Simonov, V.G. *see* Astrakhantsev, N.V. 9—98974

Simonov, V.I. *see* Bukvetskii, B.V. 9—94979

Simonov, V.I. *see* Molchanov, V.N. 9—94984

Simonov, V.I. *see* Shev'rev, A.A. 9—90637

Simonov, V.Ya. *see* Lavrov, B.P. 9—55576

Simonov, Yu.A., Tjon, J.A. Effects of annihilation on resonances in the NN system 9—58949

Simonov, Yu.A., Tjon, J.A. Soliton-soliton interaction in confining models 9—85272

Simonov, Yu.A. *see* Belyaev, V.B. 9—75749

Simonov, Yu.A. *see* Blokhintsev, L.D. 9—71664

Simonova, M.I. *see* Samokhvalov, A.A. 9—69715

Simons, A.L. *see* Auston, D.H. 9—69121, 9—78796

Simons, A.L. *see* Surko, C.M. 9—69918, 9—74023

Simons, J. *see* Banerjee, A. 9—85960

Simons, J. *see* Janousek, B.K. 9—98166

Simons, J. *see* McHale, J. 9—78700

Simons, J.P. Photodissociation of simple polyatomic molecules 9—52727

Simons, J.W. *see* Kolln, W.S. 9—87856

Simons, L. *see* Backenstoss, G. 9—76035

Simons, L.W. *see* Gardner, F.F. 9—53719

Simons, L.W.J. *see* Duldig, M.L. 9—53939

Simons, R.L., Kelly, H.P., Bruch, R. Decay rates of Li I $2s^22p$ and $1s2s^2$ 9—59376

Simons, S. On the entropy variation during the passage to radiative equilibrium 9—98599

Simons, S., Simpson, I.C., Williams, I.P. Segregation of the non-volatile compounds in turbulent protoplanets 9—62772

Simons, S., Williams, I.P. On the production of suprathermal grains by radiation pressure 9—58391

Simons, S. *see* Handbury, M.J. 9—88586

Simons, S. *see* Simpson, I.C. 9—53872

Simonsen, E. *see* Gegen, D. 9—84921

Simony, P.S. Pre-Carboniferous basement near Trail, British Columbia 9—84253

Simonyan, R.G. *see* Abramyan, Yu.A. 9—75597

Simoons, M.L., Vinke, R., Krebbers, T. Reproducibility of computer processed exercise electrocardiograms 9—70667

Simopoulou, E. *see* Blietschau, J. 9—93396

Simov, S., Kalitzova, M., Pashov, N., Mihailov, M. Influence of stimulated recrystallization on the crystal and electronic surface structure of thin CdS films 9—78151

Simov, S. *see* Vavrek, A. 9—99601

Simpkins, D.C. Hydrogen peroxide/sulphuric acid etching systems 9—96227

Simpkins, J.E., Colchin, R.J., Overbey, D.R. Residual gas analysis in the ISX-A Tokamak 9—82096

Simpkins, J.E. *see* Gomay, Y. 9—90438

Simpson, A.E. *see* Dyson, N.A. 9—53291

Simpson, C. *see* Gottstein, G. 9—91686

Simpson, C.J.S.M. *see* Allen, D.C. 9—89698

Simpson, C.J.S.M. *see* Foster, M.G. 9—72401

Simpson, E.M. *see* Robbins, W.P. 9—56102

Simpson, E.S.W., Slater, J.G., Parsons, B., Norton, I., Meinke, L. Mesozoic magnetic lineations in the Mozambique Basin 9−66608
Simpson, G.D. *see* Trolinger, J.D. 9−60078
Simpson, H.M., Pearson, J. Simple apparatus for measuring the dynamic shear modulus of cylindrical specimens 9−61827
Simpson, H.M. *see* Kerans, R.J. 9−95023
Simpson, I.C., Simons, S., Williams, I.P. Thermal coagulation of charged grains in dense clouds 9−53872
Simpson, I.C. *see* Simons, S. 9−62772
Simpson, J. *see* Rumble, E. 9−93731
Simpson, J.A. *see* Dietrich, W.F. 9−92740
Simpson, J.A. *see* Eraker, J.H. 9−101034
Simpson, J.A. *see* Garcia-Munoz, M. 9−101036
Simpson, J.H., Bowers, D. Shelf sea fronts' adjustments revealed by satellite IR imagery 9−92545
Simpson, L.D. *see* Holt, J.G. 9−100734
Simpson, M. Field-dependent susceptibility of a spin glass 9−73739
Simpson, M. *see* Gossett, B. 9−49739
Simpson, P.R., Brown, G.C., Plant, J., Ostle, D. Uranium mineralization and granite magmatism in the British Isles 9−84273
Simpson, R.A., Tyler, G.L., Brenkle, H.P., Sue, M. Viking bistatic radar observations of the Hellas basin on Mars: preliminary results 9−84723
Simpson, R.B. *see* Aly, S.L. 9−94738
Simpson, S.H.W., Chambers, B. Optimisation of backscatter using the concept of complex characteristic polarisations 9−100966
Simpson, T.L. *see* Thompson, J.E. 9−70604
Sims, G.D., Gladman, D.G. Influence of monitoring conditions on the stress wave emission data recorded during tensile testing of a GRP 9−87814
Sims, L.B. *see* Williams, I.H. 9−93977
Sims, R.W., Willcott, M.R., III, Inners, R.R. The use of static and dynamic physical property measurements to infer structural properties of associated liquids: acetic acid-water 9−70316
Simsa, Z. *see* Simsova, J. 9−51575
Simsova, J., Nevriva, M., Marysko, M., Tomas, I., Gornert, P. Preparation and properties of Co-substituted (001) YIG films with rectangular bubble domains 9−82848
Simsova, J., Simsa, Z., Sestak, J. Electrical and structural properties of $yMn_xFe_{3-x}O_4$)-(1-y)B_2O_3 glasses between 400 and 1000K 9−51575
Simulyte, E. *see* Dargys, A. 9−69613
Simulyte, E. *see* Zilionis, S. 9−70008
Simun, E.A., Karpovich, V.K., Val'kovskii, S.N., Nadgornyi, E.M. Production and properties of strengthened barium fluoride crystals 9−72638
Simunek, A. The selfconsistent pseudopotential method with Gaussian orbitals 9−90928
Simuni, L.M. 'Blocking' phenomenon in a rotating liquid 9−64668
Sin-Li Chen *see* Matsumura, S. 9−86612
Sinadinovski, G. *see* Ristov, M. 9−56331
Sinagra, E. *see* Barbaro, S. 9−74947
Sinai, J.J., Wu, S.Y. Dynamics of a one-dimensional mixed crystal 9−69217
Sinai, J.J., Wu, S.Y. Short-range order in a one-dimensional mixed crystal 9−95093
Sinai, Ya.G. *see* Khanin, K.M. 9−88886
Sinaiskii, B.N. *see* Pogrebnyak, A.D. 9−91769
Sinaiskii, E.G. *see* Lapiga, E.Ya. 9−66357
Sinanoglu, O., Lih-Syng Lee Finding the possible mechanisms for a given type of overall reaction. The case of the (A+B→C+D) overall reaction types 9−91914
Sinayko, Ye.I. *see* Volchkov, E.P. 9−77102
Since, J.J. *see* Massenet, O. 9−91214
Sinchenko, N.M. *see* Maksimovich, G.G. 9−52249
Sinclair, A.T. *see* Dermott, S.F. 9−96967
Sinclair, C.K. *see* Cooper, P.S. 9−58540
Sinclair, C.K. *see* Johnson, J.R. 9−63838
Sinclair, C.K. *see* Prescott, C.Y. 9−75776
Sinclair, D. *see* Ammosov, V. 9−71737
Sinclair, D. *see* Berge, J.P. 9−71741
Sinclair, D. *see* Efremenko, V.I. 9−75763
Sinclair, D. *see* Rose, H.J. 9−59040
Sinclair, D.C. *see* Hopkins, R.E. 9−84922
Sinclair, D.K. *see* Jones, D.R.T. 9−63426
Sinclair, F., Colella, R. Anomalies in the X-ray diffuse scattering from Cr-doped V_2O_3 at the high temperature metal-insulator transition 9−87042
Sinclair, F. *see* Farmer, W.S. 9−87039
Sinclair, G.B. The non-linear bending of a cantilever beam with shear and longitudinal deformations 9−72822
Sinclair, J.E. Epicentre solutions for point multipole sources in an elastic half-space 9−81798
Sinclair, R. Origin of stacking faults in NiTi martensite 9−96026
Sinclair, R. *see* Driver, J.H. 9−74160
Sinclair, R.N. *see* Daniel, M.F. 9−60654
Sinclair, R.N. *see* Mildner, D.F.R. 9−76219
Sinclair, T.J. *see* Creighton, J.A. 9−68234
Sinclair, T.J. *see* Curtis, J.E. 9−52927
Sinclair, W.R. *see* Bachmann, K.J. 9−73411
Sindoni, E. *see* Fontanesi, M. 9−63805
Sindoni, E. *see* Coppi, B. *(editor)* 9−98963
Sindoni, E. *see* Stringer, T. *(editor)* 9−98869
Sinelnikova, I.F. *see* Selivanov, A.S. 9−53747
Sinelnikova, L.G. *see* Gusev, A.A. 9−57871
Sinel'nikova, V.S. *see* Goryachev, Yu.M. 9−73568
Sineshchekov, O.A., Sineshchekov, V.A., Litvin, F.F. Photoinduced bioelectric reactions associated with the phototaxis of a unicellular flagellate alga 9−70579
Sineshchekov, V.A. *see* Sineshchekov, O.A. 9−70579
Sinfailam, A.L. *see* Berrington, K.A. 9−50136
Sinfelt, J.H. Structure of metal catalysts 9−95264
Sinfelt, J.H. *see* Lytle, F.W. 9−72256
Sinfelt, J.H. *see* Via, G.H. 9−91530
Sing Chin Pang, Genna, S. The effect of Compton scattered photons on emission computerized transaxial tomography 9−66530
Singa Rao, K. *see* Joseph, K.T. 9−72830
Singal, C.M. Efficiency of conventional silicon solar cells 9−62006
Singal, C.M. *see* Gupta, S.K. 9−82684
Singal, C.M. *see* Kapil, A.K. 9−76532, 9−78202
Singal, S.P., Dutta, H.N., Gera, B.S., Aggarwal, S.K. Analytical studies of sodar observations at Delhi 9−53428
Singaracharyulu, A.A.V.L.A. *see* Krishna Murthi, P.G. 9−56586
Singatullin, H.S. Construction of a Riemann space-time metric for given properties of motion of trial particles 9−85025
Singer, B. *see* Frydman, H. 9−93041
Singer, B.G., Harvey, S.J. Gas content and temperature effects in vibratory cavitation tests 9−61744
Singer, C.E. *see* Jassby, D.L. 9−50898
Singer, H.J. *see* Greenstadt, E.W. 9−53672
Singer, J. *see* Abramovich, H. 9−50629
Singer, J. *see* Prouza, Z. 9−68113
Singer, J.M. *see* Cashdollar, K.L. 9−79438
Singer, J.V.L. *see* Singer, K. 9−73082
Singer, K., Singer, J.V.L., Taylor, A.J. Molecular dynamics of liquids modelled by '2-Lennard-Jones centres' pair potentials. II. Translational and rotational autocorrelation functions 9−73082
Singer, K. *see* Romano, S. 9−77486
Singer, K.E. The application of Auger depth profiling to metal-semiconductor contacts 9−78177
Singer, K.E. *see* Nocerino, G. 9−77966, 9−78214
Singer, L.R. *see* Averback, R.S. 9−77654
Singer, L.S. The mesophase and high modulus carbon fibers from pitch 9−94867
Singer, L.S., Lewis, I.C. ESR study of the kinetics of carbonization 9−96045
Singer, L.S. *see* Bright, A.A. 9−78116
Singer, M. *see* Rajpoot, S. 9−67489
Singer, M.N. *see* Nelson, C.A., Jr. 9−63486
Singer, R. *see* Barish, S.J. 9−71742
Singer, R.M., Gillette, J.L., Mohr, D., Tokar, J.V. LMFBR transition to natural circulation from an initial isothermal state 9−85653
Singer, S.J. *see* Haigler, H. 9−92189
Singer, W. *see* Rauschecker, J.P. 9−74652
Singh, A. *see* Kao, C. 9−79594
Singh, A.K., Gaur, G.C.S., Chandra, K. Mossbauer studies of the iron ore band associated with the meta-acidic intrusive of Chamoli, Garhwal Himalaya 9−79821
Singh, A.K., Srivastava, O.N. On the occurrence of polytypism in gadolinium aluminide thin films 9−99446
Singh, A.K. *see* Gupta, R.K. 9−51225, 9−51274, 9−77710
Singh, A.K. *see* Ramani, G. 9−51556, 9−82592
Singh, A.K. *see* Singh, G.P. 9−85399
Singh, A.Kumar *see* Kumar Singh, A.
Singh, A.N. *see* Jha, R. 9−54834
Singh, A.V. *see* Mirza, S. 9−55335
Singh, B., Iafigliola, R., Sofia, K., Crawford, J.E., Lee, J.K.P. 0^+ excited states in $^{122,124,126,128}Xe$ 9−67649
Singh, B., Smith, C.W., Hughes, R. In vivo dielectric spectrometer 9−57743
Singh, B. *see* Mansingh, A. 9−91333
Singh, B. *see* Nath, J. 9−56713
Singh, B. *see* Taylor, H.W. 9−93558
Singh, B.C. *see* Chacko, V.P. 9−87330
Singh, B.M., Dhaliwal, R.S., Rokne, J. An axisymmetric external crack problem for an infinite medium with a cylindrical inclusion 9−72859
Singh, B.M. *see* Dubey, G.K. 9−72852
Singh, B.Mohan *see* Mohan Singh, B.
Singh, B.P., Hemkar, M.P. A lattice-dynamical model for FCC transition metals 9−51219
Singh, B.P. *see* Lal, K. 9−77455
Singh, B.P. *see* Pathak, L.P. 9−91016
Singh, B.P. *see* Rathore, I.V.S. 9−97676
Singh, B.R. *see* Frenzel, H. 9−91827
Singh, B.S., Dybbs, A. Non-isothermal liquid flow and heat transfer in sintered metallic porous media 9−86506
Singh, C.P. *see* Prasad, R. 9−89082
Singh, C.S., Ramanamurti, M.V., Singh, M.M. Mechanism of charge transfer during anodic oxidation of thiosulphate ions on germanium semiconductor-electrolyte interface 9−56304
Singh, D. *see* Massand, O.P. 9−100753
Singh, D.D., Rastogi, B.K. Crustal structure of the peninsular shield beneath Hyderabad (India) from the spectral characteristics of long-period P-waves 9−66667
Singh, D.D. *see* Rastogi, B.K. 9−66649
Singh, D.P., Joshi, Y.P. Directional dependence of boundary-scattering mean free path of phonons in germanium and silicon 9−73354
Singh, D.P. *see* Gupta, Y.P. 9−52111
Singh, D.P. *see* Prakash, R. 9−75036
Singh, D.P. *see* Sodha, M.S. 9−77387
Singh, D.P. *see* Tripathi, V.K. 9−91407
Singh, F. *see* Bawa, S.C. 9−62012
Singh, G., Bhatia, V.S. Charge composition of medium energy cosmic-ray nuclei from neon to iron 9−84608
Singh, G. *see* Daftari, I.K. 9−89302
Singh, G.C. *see* Sarkar, P.C. 9−54992, 9−90834
Singh, G.P., Mishra, R.K., Singh, A.K., Kumar, A. Weak gamma-ray transitions of 1.440 MeV and 1.460 MeV in the decay of ^{207}Bi 9−85399
Singh, G.P., Singh, S. Acoustic longitudinal mode coupling to the order parameter and its effect on the ferroelectric phase transition in RbH_2PO_4 9−51914
Singh, H.B., Ludwig, F.L., Johnson, W.B. Tropospheric ozone: concentrations and variabilities in clean remote atmospheres 9−62554
Singh, H.B., Sharma, A., Pathak, K.N. Sum rules and dynamical correlations in a classical one-component plasma 9−55462
Singh, I.J. *see* Johri, V.B. 9−88768
Singh, J., Adams, A.T. A nonrectangular patch model for scattering from surfaces 9−81332
Singh, J. *see* Jain, D.V.S. 9−57281
Singh, J. *see* Reimers, R. 9−68103
Singh, J. *see* Semeluk, G.P. 9−61426
Singh, J.B. *see* Sengupta, P.K. 9−93471
Singh, J.B. *see* Verma, B.G. 9−84664
Singh, J.N., Srivastava, R.C. Distribution function for electrons in radiative interaction with a magnetic field 9−60116
Singh, J.P., Singh, S.K., Srivastava, R.S., Singh, K. Current transport in MOS system on the basis of T-D emission theory 9−91149
Singh, J.P., Virkar, A.V., Shetty, D.K., Gordon, R.S. Strength-grain size relations in polycrystalline ceramics 9−79081
Singh, K., Mallik, A.K. Parametric instabilities of a periodically supported pipe conveying fluid 9−68627
Singh, K. *see* Bahuguna, R.D. 9−81373
Singh, K. *see* Gupta, A.K. 9−76609
Singh, K. *see* Singh, J.P. 9−91149
Singh, K.M. *see* Roy, S.K. 9−56633
Singh, K.P. *see* Islam, N. 9−77794
Singh, L.P. Quark mass differences, magnetic moments and radiative decay widths 9−71724
Singh, L.P. On the electromagnetic-mass splittings in 'beautiful' mesons 9−89152
Singh, L.S. *see* Roy, D.N. 9−98229
Singh, L.S. *see* Singh, N.P. 9−86061
Singh, M., Berggren, M.J., Gustafson, D.E., Dewanjee, M.K., Bahn, R.C., Ritman, E.L. Emission-computed tomography and its application to imaging of acute myocardial infarction in intact dogs using Tc-99m pyrophosphate 9−79638
Singh, M., Joshi, G.K., Vaishnava, P.P., Misra, S.N. Spectral study of ortho-phenanthroline and $\alpha\alpha'$-dipyridyl complexes of some lanthanide trifluoroacetates 9−98113
Singh, M., Rajvanshi, S.C. Heat transfer between two parallel porous disks 9−68708
Singh, M., Sharma, A.P. Response of photosensitive silver halide micro-crystals to multiple-charged particles 9−80714
Singh, M., Tolpadi, S. Anharmonic effects in alkali halide crystals 9−99290
Singh, M. *see* Ahmad, S. 9−83049
Singh, M. *see* Jain, A.R. 9−84576, 9−88539
Singh, M. *see* Salariya, K.S. 9−62120
Singh, M. *see* Sharma, K.K. 9−78801
Singh, M.M. *see* Tomozawa, M. 9−82922
Singh, M.M. *see* Singh, C.S. 9−56304
Singh, M.R., Balasubramanian, S. Dielectric screening in gallium phosphide 9−99497
Singh, N. *see* Sharma, A.K. 9−85400
Singh, N.B. *see* Gupta, Y.P. 9−52111
Singh, N.P., Singh, L.S. Electron capture from some inert gas and alkali-atom targets by incident protons 9−86061
Singh, O. *see* Curzon, A.E. 9−78221
Singh, O.P. *see* Chaturvedi, A.K. 9−90342
Singh, P., Bhattacharya, D.K. Application of GPDP to thermal boundary layer 9−50722
Singh, P., Bhattacharya, D.K. Variational method to forced convection heat transfer near forward stagnation point of a cylinder 9−98726
Singh, P., Jazayeri Naseri, M.A. Experimental investigation on solar house heating in Northern India 9−62152
Singh, P., Srivastava, K.K. Variational solution of heat convection in the channel flow with the help of GPDP 9−72886
Singh, P., Srivastava, K.K. Non-equilibrium theory of atmospheric transport over area-source 9−79924
Singh, P. *see* Mannan, K.D. 9−62151

Singh, P. *see* Rajeshwar, K. 9—52941
Singh, P.P., Sharma, B.R., Sidhu, K.S. Thermodynamics of chloroform and methanol mixtures 9—87865
Singh, P.P., Yadav, D.S. Quantitative softness values and structure of $Co[Ag(SeCN)_2]_2$ and its complexes 9—59459
Singh, P.P. *see* Karwowski, H.J. 9—76019
Singh, P.Paul *see* Paul Singh, P.
Singh, R., Bhar, T.N., Shewchun, J., Loferski, J.J. Effect of grain boundaries on the performance of polycrystalline tunnel MIS solar cells 9—79394
Singh, R., Datt, S.C. Space-charge-limited currents and thermoelectret state studies in sisal wax 9—51901
Singh, R., Dhindaw, B.K. Production of high purity silicon from rice husk for use in solar cells 9—62008
Singh, R., Laurence, R.L. Influence of slip velocity at a membrane surface on ultrafiltration performance. I. Channel flow system 9—60054
Singh, R., Laurence, R.L. Influence of slip velocity at a membrane surface on ultrafiltration performance. II. Tube flow system 9—60055
Singh, R., Saghal, P.N. Application of quasi-fixed arrays of adjustable focus reflectors in solar collectors 9—62106
Singh, R., Soedel, W. Mathematical modeling of multicylinder compressor discharge system interactions 9—80447
Singh, R. *see* Shewchun, J. 9—83596
Singh, R.K., Nirwal, V.S. A TSM study of lattice statics and dynamics of potassium chloride 9—82292
Singh, R.K. *see* Nigam, K.K. 9—73328
Singh, R.L., Woods, S.B. Critical scattering of electrons near the antiferromagnetic transition of TbSb 9—69505
Singh, R.L. *see* Nigam, S.K. 9—84622
Singh, R.L. *see* Sharma, R.M. 9—84607
Singh, R.L. *see* Shukla, A.K. 9—84764
Singh, R.N., Negi, J.G. A reinterpretation of the linear heat flow and heat production relationship for the exponential model of the heat production in the crust 9—66660
Singh, R.N., Routbort, J.L. Fracture and crack healing in (U,Pu)C 9—79080
Singh, R.N. *see* Misra, U.D. 9—68208
Singh, R.N. *see* Smart, B.G.D. 9—84511
Singh, R.N. *see* Thakur, K.P. 9—72439
Singh, R.P. A lattice dynamical study of potassium halide solids 9—55841
Singh, R.P. Cerenkov radiation from artificially injected electron beam into the ionosphere 9—84571
Singh, R.P., Shanker, J. Evaluation of third-order elastic constants and pressure dependence of second-order elastic constants of ionic crystals 9—77668
Singh, R.P. *see* Bhatia, A.L. 9—57719
Singh, R.P. *see* Mani, K.K. 9—77694
Singh, R.P. *see* Rao, R.S. 9—95317
Singh, R.P. *see* Shanker, J. 9—82910
Singh, R.S. *see* Murphy, K.P.N. 9—89345
Singh, R.S. *see* Parakash, S. 9—84637
Singh, R.V. *see* Cook, D.J. 9—52320
Singh, S. Geomagnetic activity and microearthquakes 9—66638
Singh, S., Bhattacharya, D.K. A note on the steady flow between a rotating disk and a stationary naturally permeable disk 9—72934
Singh, S., Dwivedi, K.S., Singh, S.K., Prakash, S. Acoustic and physicochemical studies of liquid mixtures 9—96347
Singh, S., Verma, G.S. Resonance scattering of phonons in inhomogeneously strained n-Ge 9—60455
Singh, S., Verma, G.S. Role of compensation in electron-phonon scattering in lightly doped semiconductors 9—60456
Singh, S., Verma, G.S. Magnetic field dependence of the 'chemical shift' and the donor-electron radius in the lightly doped n-type Ge 9—77847
Singh, S. *see* Annamalai, A. 9—76416
Singh, S. *see* Hayden, M.E. 9—68508
Singh, S. *see* Mozumder, A. 9—93469
Singh, S. *see* Pandey, S.N. 9—99335
Singh, S. *see* Sengupta, P.K. 9—63547, 9—93471
Singh, S. *see* Shirkot, K.S. 9—60061
Singh, S. *see* Shukla, K.P. 9—64976
Singh, S. *see* Singh, G.P. 9—51914
Singh, S. *see* Stocker, H.J. 9—81540
Singh, S. *see* Van Uitert, L.G. 9—49219
Singh, S.J., Pandey, S.M. Electronic absorption spectra of 2,4-dichlorobromobenzene in vapour phase 9—81211
Singh, S.K., Castro, E.R., Guzman, M.S. Magnetic anomaly of a circular lamina 9—88247
Singh, S.K., Mena, M., Monges, J. Secular variation of gravity in Mexico? 9—84074
Singh, S.K. *see* Singh, J.P. 9—91149
Singh, S.K. *see* Singh, S. 9—96347
Singh, S.N., Elliot, J.M. Free convection between horizontal concentric cylinders in a slightly-thermally stratified fluid 9—59972
Singh, S.N., Srivastava, M.K., Kumar, S. Electron impact excitation of hydrogenic ions in a modified Coulomb-Glauber approximation 9—81285
Singh, S.N. *see* Tayal, S.S. 9—81281
Singh, S.P. Low energy plasmon satellites in $K_{\beta 1,3}$ X-ray emission spectra of ^{23}V, ^{26}Fe and ^{28}Ni 9—65957
Singh, S.P. On the compressible flows around a circular cylinder and a sphere 9—77173
Singh, S.P. High energy plasmon satellite in X-ray $L_{2,3}$ emission spectrum of Si and Auger spectrum of Be 9—82538
Singh, S.P., Kuzmany, H. Amplification of Bleustein-Gulyaev waves in a piezoelectric coated with a semiconducting film 9—61309
Singh, S.P. *see* Rosen, J.M. 9—53445
Singh, S.Priyokumar *see* Priyokumar Singh, S.
Singh, S.R. *see* Rao, S.P. 9—52654
Singh, T. On some Brans-Dicke fields generated from Einstein's vacuum fields. II 9—71326
Singh, T., Yadav, R.B.S. Cylindrically symmetric self-gravitating fluids with pressure equal to energy density 9—58591
Singh, T.J., Verma, G.S. Three-phonon processes in solids 9—55857
Singh, T.P. *see* Khare, S.P. 9—86067
Singh, T.Y. *see* Rao, N.K. 9—76024
Singh, U.Chandra *see* Chandra Singh, U.
Singh, U.N. *see* Feigenbaum, P.S. 9—67752
Singh, U.N. *see* Jonsson, A. 9—80996
Singh, U.N. *see* Liou, H.I. 9—54435
Singh, V., Singhal, R.P. Secondary electrons in proton-induced polar cap aurora 9—53605
Singh, V. *see* Mennessier, G. 9—54348
Singh, V. *see* Raina, A.K. 9—75750
Singh, V. *see* Roy, S.M. 9—71276
Singh, V.B. Studies on the electrodeposition of ternary nickel-iron-tungsten alloys 9—66018
Singh, V.B. Electrodeposition of ternary nickel-iron-cadmium alloys 9—95950
Singh, V.P., Jha, M.K., Bola, M.S. A note on spherical shock waves in water 9—77183
Singh, Y. *see* Shukla, K.P. 9—64976
Singh, Y. *see* Swamy, K.N. 9—98861
Singh, Y.P. *see* Gupta, Y.P. 9—52111
Singh, Z., Prasad, R., Venugopal, V., Roy, K.N., Sood, D.D. Thermodynamics of the vaporisation of thorium tetrachloride 9—60492
Singh Bhanwar *see* Bhanwar Singh
Singh Birbal *see* Birbal Singh
Singh Daljit *see* Daljit Singh
Singh Gurmukh *see* Gurmukh Singh
Singh Namwar *see* Namwar Singh
Singh Narsingh Bahadur *see* Narsingh Bahadur Singh
Singh Nirbhay *see* Nirbhay Singh
Singh Parmpal *see* Parmpal Singh
Singh Sadha Satwindar *see* Satwindar Singh Sadha
Singh Soni, R. Entropy and information of comparison under generalized additivity and non-additivity 9—85105
Singh Sooraj *see* Sooraj Singh
Singh Sunita *see* Sunita Singh
Singh Surendra *see* Surendra Singh
Singhal, A.K., Rao, B.S.R. A note on an orthogonality relation for stress analysis in a multilayered laminated disc 9—98621
Singhal, K.P. Integral intensity of cosmic ray muons measured at a low latitude station 9—53690
Singhal, K.P. *see* Rastogi, R.G. 9—53633
Singhal, M.K. *see* Goyal, R.P. 9—90743
Singhal, N.C., Johns, M.W. Levels in ^{148}Tb excited by the ($^{6,7}Li$,xn) and (^{10}B,xn) reactions 9—49582
Singhal, R.P., Kelvin, D., Knight, E.A., Watt, A., Whitehead, R.R. Electromagnetic properties of the 0_1^+, 2_1^+, 4_1^+ states in ^{20}Ne, ^{24}Mg, ^{28}Si, ^{32}S 9—75900
Singhal, R.P. *see* Green, A.E.S. 9—98235
Singhal, R.P. *see* Singh, V. 9—53605
Singhal, S.P., Callaway, J. Electronic structure of a vacancy in aluminum 9—78044
Singhal, S.P. *see* Prasad, S.K. 9—100151
Singham, M.K. *see* Epstein, G.N. 9—85456
Singleton, D.L., Cvetanovic, R.J. Determination by the phase shift technique of the temperature dependence of the reactions of $O(^3P)$ with HCl, HBr, and HI 9—52627
Singleton, D.L. *see* Cvetanovic, R.J. 9—74346
Singleton, J.F., Hartley, N.E.W. Light element profiling using nuclear reaction analysis on tapered corrosion sections 9—92036
Singru, R.M. *see* Mantl, S. 9—61463
Singru, R.M. *see* Mijnarends, P.E. 9—95873
Singru, R.M. *see* Seth, A. 9—99512
Singwi, K.S. *see* Kirczenow, G. 9—63137, 9—69428
Sinha, A. *see* Prasad, M.K. 9—97503
Sinha, A.K., Chaudhuri, S.K. Application of frequency domain analysis to transient response of nuclear containment structures 9—93753
Sinha, A.K., Sinha, S.K. Quantum corrections to the equation of state of a fluid with a triangular-well potential 9—69222
Sinha, A.K. *see* Mahalanabis, A.K. 9—79998
Sinha, A.K. *see* Thakur, L. 9—65024
Sinha, A.P.B. *see* Gupta, M.P. 9—78585
Sinha, A.P.B. *see* Krishna Murthy, G.S.R. 9—83601
Sinha, B. A microscopic nucleus-nucleus optical potential 9—97688
Sinha, B.B. *see* Prasad, G. 9—80481
Sinha, B.K. Estimation of plasma temperature from recombination continuum 9—50887
Sinha, B.K., Gopi, N. On the scaling law of plasma temperature versus laser flux 9—90427
Sinha, B.K., Gopi, N., Goel, S.K. Experimental study of the variation of the plasma temperature with the laser flux 9—50895
Sinha, B.K., Stevens, D.S. Thickness-shear vibration of a bevled AT-cut quartz plate 9—90166
Sinha, B.K., Tiersten, H.F. Temperature derivatives of the fundamental elastic constants of quartz 9—55810
Sinha, B.K., Tiersten, H.F. On the temperature dependence of the velocity of surface waves in quartz 9—56062
Sinha, B.K., Tiersten, H.F. On the influence of a flexural biasing state on the velocity of piezoelectric surface waves 9—56730
Sinha, B.K., Tiersten, H.F. First temperature derivatives of the fundamental elastic constants of quartz 9—77667
Sinha, B.K., Tiersten, H.F. Zero temperature coefficient of delay for surface waves in quartz 9—86972
Sinha, B.K. *see* Tiersten, H.F. 9—55298, 9—55303
Sinha, C., Sil, N.C. First-order Coulomb exchange approximation and electron impact excitation of ground-state hydrogenic ions to an aribitrary s state 9—59581
Sinha, C., Sil, N.C. Charge transfer in proton-positive-ion collisions producing hydrogen atoms in any arbitrary p state 9—64074
Sinha, D.N., Brodie, L.C., Semura, J.S., Young, F.M. Premature transition to stable film boiling initiated by power transients in liquid nitrogen 9—81709
Sinha, H.P. *see* Sharma, R.P. 9—51218
Sinha, K. Centre to limb behaviour of molecular rotational temperatures 9—84758
Sinha, K.B. *see* Amrein, W.O. 9—80462
Sinha, K.B. *see* Emch, G.G. 9—88825
Sinha, K.K. *see* Kondal Rao, N. 9—49806
Sinha, K.N., Hwang, A.G., Mak, H.-B., Evans, H.C. A study of the $^{34}S(\alpha,\gamma)^{38}Ar$ reaction 9—71859
Sinha, K.P. A model for antiferromagnet to superconductor transition 9—82706
Sinha, M.P., Su, R.T., Riley, S.J. Photofragment spectroscopy and assignment of excited states of thallium iodide 9—64061
Sinha, N.K. Rheology of columnar-grained ice 9—57044
Sinha, P., Chatterjee, S. Optical properties of Be and Mg from APW band calculations 9—65817
Sinha, R.B.P. *see* Prasad, S.M. 9—65064
Sinha, R.K., Acharya, B.S., Mukherjee, M.L. Thermoluminescence from KCl:Ag and KCl:Pb using an IC amplifier 9—99955
Sinha, R.K. *see* Bhatnagar, S.S. 9—70118
Sinha, R.P. Survey of neutral hydrogen in the galactic center region 9—88722
Sinha, S., Bardsley, J.N., Lin, S.L. The mobility of He^+ ions in He 9—55447
Sinha, S.C., Chou, C.C. Approximate eigenvalues for systems with variable parameters 9—64551
Sinha, S.K. Quantum corrections to the second virial coefficient of a gas with a triangular-well potential 9—64818
Sinha, S.K. Magnetic structures and inelastic neutron scattering: metals, alloys and compounds 9—69654
Sinha, S.K. The uses of pulsed neutron sources for research in magnetism and other areas of condensed matter physics 9—76237
Sinha, S.K. *see* Barua, B.P. 9—99536
Sinha, S.K. *see* Chakrabarti, B.K. 9—99712
Sinha, S.K. *see* Lander, G.H. 9—78323
Sinha, S.K. *see* Moon, R.M. 9—73686
Sinha, S.K. *see* Prasad, J.N. 9—99555
Sinha, S.K. *see* Sinha, A.K. 9—69222
Sinha, S.K. *see* Sodha, M.S. 9—77390
Sinha, S.N., Dutt, R. Decay constants, smoothness and spin-zero charm mesons in broken chiral SU(4)×SU(4) symmetry 9—58900
Sinha, U.N. *see* Pichamuthu, J.P. 9—81408
Sinha, V. *see* Dev Verma, S. 9—83812
Sinha Roy, M.N. *see* Dodd, L.R. 9—76537
Sinharoy, S., Levenson, L.L., Day, D.E. Steam-enhanced calcium segregation in dense alumina 9—83352
Sinharoy, S. *see* Smith, M.A. 9—79293
Sinigaglia, D. *see* Cigada, A. 9—66200
Sinis, V.P. *see* Godik, E.E. 9—82631
Sinistri, C. *see* Margheritis, C. 9—82348
Sinito, A.M., Valencio, D.A., Vilas, J.F. Palaeomagnetism of a sequence of Upper Palaeozoic-Lower Mesozoic red beds from Argentina 9—84098
Sinitsa, L.N. Absorption spectrum of C_2H_2 in the neodymium-laser emission band 9—54855
Sinitsa, L.N. *see* Zuev, V.E. 9—66791
Sinitsa, S.P. *see* Ezhevskaya, T.B. 9—64303
Sinitsa, S.P. *see* Gritsenko, V.A. 9—56320
Sinitschkina, J.A. *see* Bartenew, G.M. 9—57105
Sinitsin, E.V. *see* Lukicheva, N.I. 9—67287
Sinitsina, N.A. *see* Novikova, M.B. 9—52234

Sinitskaya, V.F. *see* Mel'nik, P.I. 9—52446
Sinitsyn, A.M. Population and gain of a waveguide CO_2 laser 9—64200
Sinitsyn, A.M. *see* Grigor'yants, V.V. 9—94209
Sinitsyn, E.V. *see* Moskvin, A.S. 9—73710
Sinitsyn, G.V. *see* Karpushko, F.V. 9—49279, 9—89015
Sinitsyn, G.V. *see* Kazberuk, A.V. 9—89945
Sinitsyn, V.I. *see* Andrianov, A.M. 9—90490
Sinitsyna, N.I. *see* Volkova, G.A. 9—57577
Sink, D.A., Iwinski, E.M., Chapin, D.L., Gibson, G. The COAST code for the costing and sizing of D-T burning Tokamaks 9—76142
Sink, M.L., Bandrauk, A.D. A theoretical study of the $B'^2\Sigma^+$-$X^2\Sigma^+$ band system in MgH and MgD 9—93970
Sink, M.L., Bandrauk, A.D. Scattering theory of multipredissociation in the $A^2\Sigma^+$ state of OH 9—94046
Sinkevich, O.A. *see* Popel', O.S. 9—90410
Sinkevich, O.A. *see* Zubtsov, V.M. 9—86568
Sinkkonen, J. s-f model in magnetic semiconductors 9—95326
Sinkkonen, J. *see* Kuivalainen, P. 9—90976
Sinn, E. *see* O'Connor, C.J. 9—73717
Sinram, K. *see* Anders, B. 9—75967
Sinram, K. *see* Barber, D. 9—54289, 9—54346
Sinram, K. *see* Barber, D.P. 9—89175, 9—97631
Sinram, K. *see* Graubmann, S. 9—89317
Sinton, J.B., Ward, R.W., Watkins, J.S. Suppression of long-decay long-delay multiple reflections by predictive deconvolution 9—84133
Sintsov, V.N. *see* Sergeyev, P.A. 9—50253
Sinvani, M. *see* Zair, E. 9—56362
Sinvhal, A. *see* Khattri, K. 9—92503
Sinyakov, E.V., Dudnik, E.F., Stolpakova, T.M., Orlov, O.L. Domain structure, phase transition and dielectric properties of ferroelastics of the $NaFe(MoO_4)_2$ type 9—56748
Sinyakov, G.N. *see* Shul'ga, A.M. 9—53019
Sinyakov, G.N. *see* Timinskii, Yu.V. 9—57582
Sinyakov, I.V. *see* Fedorova, Zh.N. 9—52640
Sinyakov, I.V. *see* Nenasheva, S.N. 9—87618
Sinyakova, E.F. *see* Nenasheva, S.N. 9—87618
Sinyavskii, A.F. *see* Mikhailichenko, T.A. 9—87780
Sinyavskii, A.L. *see* Isakhanov, G.V. 9—90140, 9—98623
Sinyavskii, V.I. *see* Bashkirov, Sh.Sh. 9—91232
Siohan, F. *see* Arens, J.F. 9—58249
Siohan, F. *see* Goodman, J.A. 9—62697, 9—66897, 9—75065
Siohan, F. *see* Macfall, J.R. 9—49549, 9—62698
Siomos, K., White, J., Christophorou, L.G., Carter, J.G. Photoelectron injection in gases from thin metal films on quartz 9—68899
Sion, E.M., Acierno, M.J., Tomczyk, S. Hydrogen shell flashes in massive accreting white dwarfs 9—75203
Sion, E.M. *see* Liebert, J. 9—84788
Sionakides, G. *see* De Clercq, C. 9—89188
Sioshansi, P. *see* Guillaume, G. 9—67627
Siotis, I. *see* Karami, H. 9—75789
siou Li De *see* Li De siou
Siouffi, M. *see* Issartier, P. 9—79706
Siov, B.N. *see* Kaplan, A.A. 9—87776
Sipachev, G.F. *see* Georg, E.B. 9—68952
Sipavicius, C. *see* Zukauskas, A.A. 9—98712
Sipe, J.E. The ATR spectra of multipole surface plasmons 9—78149
Sipe, J.E. *see* Fukui, M. 9—95460
Sipkema, P. *see* Newman, D.L. 9—79581
Sipler, D.P., Biondi, M.A. Midlatitude F region neutral winds and temperatures during the geomagnetic storm of March 26, 1976 9—53594
Sipos, J.C. *see* Woyewoda, A.D. 9—74466
Sipos, S. *see* Macovei, D. 9—65057
Sips, V. *see* Crljen, Z. 9—55481
Sips, V. *see* Muratovic, H. 9—95354
Siqueira, M.L.de *see* de Siqueira, M.L.
Siqueira, M.L.De *see* De Siqueira, M.L.
Siragusa, G. *see* Bocchieri, P. 9—63081
Sirakura, Y. *see* Saito, S. 9—99060
Siratori, K. *see* Kita, E. 9—87302
Siraya, T.N., Etsina, A.L., Etsin, I.Sh. Random defects in the medium and the mirrors in a Fabry-Perot interferometer 9—54180
Sirazhet, Kh. *see* Aripov, G. 9—79358
Sirazhiddinov, N.A. *see* Arifov, P.A. 9—96057
Siraziev, A.I. *see* Samartsev, V.V. 9—73450
Sirbu, M. The determination of bulk alpha and beta radioactivity of natural substances. III 9—88346
Sircar, S.C. *see* Roy, S.K. 9—66177, 9—70210
Sirchin, V.K. *see* Danilin, B.S. 9—100050
Sirdeshmukh, L., Reddy, Y.R. Dielectric properties and effective ionic charge of calcium sulphide 9—65783
Sire, E.O. *see* Kohlmaier, G.H. 9—53414
Siregar, M.R.T., von Allmen, M., Luthy, W. Temperature dependence of optical absorption at λ-1.06 μm in amorphous and crystalline silicon 9—82939
Siregar, M.T. *see* von Allmen, M. 9—69913
Sirenko, A.F. *see* Aly, A.A. 9—87692
Sirenko, A.F. *see* Kas'yan, M.M. 9—87677
Sirenko, A.F. *see* Vorontsova, R.I. 9—65350
Sirenko, G.A. *see* Samsonik, A.L. 9—52296
Siri, A., Sissa, G., Vaccarone, R., Fernandez, P., Salvo, C. Low temperature measurements of thermal diffusivity in composite epoxies 9—58729
Siripant, S. Colorimetric analysis and evaluation of four-color reproduction by photomechanical means 9—75635
Sirisinha, K. *see* Cowen, W.F. 9—79418
Sirkin, H. *see* Quintana, G. 9—82903
Sirodzhev, N. *see* Khristiansen, G.V. 9—80166
Sirohi, B.S. *see* Biswas, D.K. 9—62089
Sirohi, R.S. *see* Sethuraman, J. 9—76585, 9—81356
Sirois, A. *see* Carignan, C. 9—71163
Sirota, A.I., Khlebtsov, N.G. Use of a two-phase Rc field for study of the electrooptical effect in disperse systems 9—55060
Sirota, M.I. *see* Burtseva, K.G. 9—82188
Sirota, M.I. *see* Ksenofontova, S.S. 9—60217
Sirota, N.N., Gumanskii, G.A., Nguen Nguen Khi, Trofimova, Zh.P. Investigation of the constitution of iron and nickel films with implanted carbon ions 9—82469
Sirota, N.N., Lomako, I.D. Temperature of magnetic reorientation in solid solutions of $Sm_xTb_{1-x}FeO_3$ 9—87263
Sirotenko, V. *see* Ammosov, V. 9—71737
Sirotenko, V.I. *see* Berge, J.P. 9—71741
Sirotenko, V.I. *see* Efremenko, V.I. 9—75763
Sirotin, Ya.D. *see* Kapanin, V.V. 9—65205
Sirotinin, E.I. *see* Chumanov, V.Ya. 9—83086
Sirotkin, A.M. *see* Kuz'minov, V.V. 9—97750
Sirugue, M. *see* Combe, P. 9—58627
Sirugue-Collin, M. *see* Combe, P. 9—58627
Sirutkaitis, R. *see* Averyanov, E.M. 9—77518
Sisakyan, I.N. *see* Bulatov, E.D. 9—50023
Siscoe, G.L. An historical footnote on the origin of 'aurora borealis' 9—58512
Siscoe, G.L. A Dst contribution to the equatorward shift of the aurora 9—75013
Siscoe, G.L. *see* Crooker, N.U. 9—62684
Siska, P.E. An improved scattering potential for $He^*(2^3S)+Ar$ 9—54938
Siskens, Th.J., van Weert, Ch.G., de Boer, W.P.H., Kox, A.J. Recent results in relativistic quantum kinetic theory 9—63140
Siskind, B. *see* Opelka, J.H. 9—72029
Siskind, E.J. *see* Barish, B.C. 9—63536
Siskind, E.J. *see* Brown, K.W. 9—80855
Siskind, E.J. *see* Dishaw, J.P. 9—85473
Sislian, J.P., Evans, J.S., Glass, I.I. Analysis of turbulent free-jet hydrogen-air diffusion flames with finite chemical reaction rates 9—81992
Sisodia, M.L. *see* Gupta, P.C. 9—82920
Sissa, G. *see* Siri, A. 9—58729
Sissakian, I.N. *see* Krivoshlykov, S.G. 9—94353
Sissakyan, A.N. *see* Mavrodiev, S.Shch. 9—80859
Sissons, J.B. The Loch Lomond Stadial in the British Isles 9—79887
Sistero, R. *see* Hernandez, C.A. 9—71069
Sisterson, D.L., Dirks, R.A. Structure of the daytime urban moisture field 9—57998
Sitchikhin, Yu.V. *see* Shchutskii, V.I. 9—53295
Sitenko, A.G. The Green function hierarchy and the three-body problem 9—75941
Sitenko, A.G. Nuclear reactions involving three particle systems 9—80904
Sitenok, N.A. *see* Klimenko, A.S. 9—94456
Sites, J.R. *see* Bradley, L.E. 9—78882
Sites, J.R. *see* Washburn, H.A. 9—95525
Sitharama Rao, T.L. *see* Jain, A.K. 9—62139
Sit'ko, S.P. Excitation of collective states of certain even-even nuclei in the lanthanoid region 9—75839
Sitnik, G.F. Brightness temperature and coefficient of continuous absorption in the solar atmosphere 9—96986
Sitnik, T.G. *see* Lozinskaya, T.A. 9—88728
Sitnikov, A.I. *see* Dyabin, Yu.P. 9—85158
Sitte, K. Effects of statistical post-acceleration on nuclear abundances of cosmic rays 9—96869
Sitte, P. Biomembranes. High protein concentration 9—83714
Siu Li, M., De Souza, M. Off-center Cu^+ in mixed crystals 9—65112
Sivachenko, S.D. *see* Britov, A.D. 9—75628
Sivaev, V.M. *see* Baranova, V.G. 9—58817
Sivak, I.O. *see* Ogorodnikov, V.A. 9—57048
Sivak, J. *see* Maples, C. 9—93901
Sivak, J. *see* Millodot, M. 9—100597
Sivalov, E.G. *see* Tarasevich, Yu.I. 9—65193
Sivan, V. Sacrificial anodes for cathodic protection in sea water: a review 9—57246
Sivan, V. *see* Roy, S. 9—52466
Sivaram, A. *see* Jagannath, H. 9—61415
Sivarama Sastry, G. *see* Narayana, M. 9—56605
Sivaramakrishnan, K.N. *see* Blumstein, A. 9—60269
Sivaramakrishnan, T.R. *see* Mukherjee, A.K. 9—100845
Sivaramakrishnan, V. *see* Vijayaraghavan, M.S. 9—51981
Sivaraman, K.R., Venkitachalam, P.P. Intensity fluctuations in the solar chromosphere 9—53793
Sivaraman, S. *see* Raman, Y. 9—52011
Sivaraman, S. *see* Soni, R.S. 9—99946
Sivasankar, V.S., Whippey, P.W. Thermoluminescence and optical absorption of X-ray irradiated $NaBrO_3$ 9—95858
Sivasankar, V.S. *see* Sankar, C. 9—82204
Sivasanker, V.S., Chitra, S., Radhakrishna, S. Electric field gradient at impurity sites in ionic crystals 9—78034
Sivashinsky, G.I. *see* Matkowsky, B.J. 9—72826
Sivchik, V.V., Zhbankov, R.G., Kulakov, V.A. Theoretical investigation of the vibration spectrum of cellulose triacetate 9—54836
Sivell, P.M. *see* Marwick, A.D. 9—77649
Sivers, D. High-P_T theory in a spin 9—63409
Sivers, D. *see* Babcock, J. 9—49472
Sivers, D. *see* Garrar, G.R. 9—89180
Sivers, D. *see* Hidaka, K. 9—49553
Sivertsen, B. *see* Schjoldager, J. 9—74567
Sivertsen, J.M. *see* Park, K.-O. 9—77778
Sivets, V.N., Mallin, U.R., Bukhvis, G.S., Safronov, A.A. Work of the laboratory for vibration and acoustic measurements 9—76925
Siviour, N.G. *see* Esdaile, J.D. 9—61564
Siviy, R. *see* Ghandhi, S.K. 9—91592
Sivokha, V.P. *see* Gyunter, V.E. 9—61652
Sivov, A.N. *see* Voytovich, N.N. 9—72684
Sivtsev, V.I., Spakauskas, V.V., Kychkin, I.S., Rudzikas, Z.B. Evaluation of the matrix elements of the energy operator in the case of complex electron configurations 9—63895
Sivtsov, A.V. *see* Chukhrov, F.V. 9—74892
Sivukha, N.I., Tkach, V.V., Zadnipryanyi, I.V. Cuvette for freezing biological preparations 9—92436
Siwecki, T. *see* Gorczyca, S. 9—95026
Siwek-Wilczynska, K., du Marchie van Voorthuysen, E.H., van Popta, J., Siemssen, R.H., Wilczynski, J. Incomplete fusion in $^{12}C+^{160}Gd$ collisions interpreted in terms of a generalized concept of critical angular momentum 9—71862
Siwoff, R., Pease, P.L. Saturation of intermittent monochromatic lights 9—53138
Six, P., Chauvet, G. Comparison of algorithms for the solution of secular equations in the vibrational analysis of biological molecules 9—100565
Six, P. *see* Thomas, Y. 9—77773
Sixel, P. *see* Deutschmann, M. 9—85345
Sixiong Chen *see* Chen Sixiong
Sixl, H. *see* Bubeck, C. 9—78522
Sixt, G., Ziegler, K.H., Fahrner, W.R. Properties of anodic oxide films on n-type GaAs, $GaAs_{0.6}P_{0.4}$ and GaP 9—61770
Sixt, G. *see* Kappert, H.F. 9—65493
Sizov, G.V. *see* Dorf, V.A. 9—91902
Sizov, I.V. *see* Kraft, O.E. 9—80907
Sizova, G.P. *see* Maksimov, S.P. 9—63249
Sizova, L.Z., Shevnin, A.D., Zolotukhina, N.A. Relation of pulsations of decreasing period to the field of D_{st} variations 9—53655
Sizova, N.L. *see* Govorkov, V.G. 9—82278
Sizova, R.M. *see* Dobatkin, V.I. 9—70053
Sizun, H., Waret, M. The tropopause gap: generation zone for mesoscale travelling ionospheric disturbances 9—84346
Sjoberg, O. *see* Backman, S.-O. 9—63616
Sjoberg, R.W. *see* Horn, B.K.P. 9—75568
Sjoblom, R.K. *see* Ahmad, I. 9—89224
Sjodin, T. Synchronization in special relativity and related theories 9—71243
Sjodin, T. *see* Ivert, P.-H. 9—84982
Sjogren, H. *see* Gabrielsson, A. 9—68536
Sjogren, W.L. Mars gravity: high-resolution results from Viking Orbiter 2 9—58291
Sjontoft, E. A straightforward deconvolution method for use in small computers 9—76321
Sjontoft, E. The determination of optimum accelerating factors for successive overrelaxation on an equidistant and non-equidistant rectangular net 9—92928
Sjoreen, T.P. *see* Pile, P.H. 9—63667
Sjostrand, F.S. Present efforts to improve specimen resolution for complex biological structures 9—74819
Sjostrand, N.G. *see* Protopopescu, V. 9—80549
Sjostrom, M. *see* Albano, C. 9—52796
Skachkov, M.M. *see* Maslov, V.P. 9—72732
Skachkov, M.P. *see* Deryabkin, V.N. 9—70535
Skadin, V.G. *see* Astakhov, E.A. 9—70195
Skagerstam, B.S. *see* Balachandran, A.P. 9—97508
Skagerstam, B.-S. Coherent-state representation of a charged relativistic boson field 9—71708
Skaggs, L.S. *see* Waterman, F.M. 9—81134
Skaggs, L.S. *see* Watermann, F.M. 9—59056
Skakala, L., Mates, P., Krenn, J. Calibration standards for interference microscopes 9—71522
Skakov, Yu.A. *see* Varli, K.V. 9—83239
Skala, E. *see* Dienstbier, Z. 9—57717
Skala, J. *see* Dobrovsky, L. 9—91782
Skala, L. *see* Kunne, L. 9—94949
Skalafuris, A.J. A survey of image compensation and restoration principles 9—58260
Skalak, F.M., Wang, C.Y. On the unsteady squeezing of a viscous fluid from a tube 9—90296
Skaldin, O.A. *see* Chuvyrov, A.N. 9—90551
Skalinski, T. Scientific activity of Stefan Pienkowski. On the 25th anniversary of his death 9—75311
Skalny, J. *see* Cernak, M. 9—64930
Skalozub, V.V. *see* Pochtman, Yu.M. 9—76966
Skalski, J. *see* Dudek, J. 9—97673

Skalski, S. *see* Niculescu, V. 9—65762
Skalsky, M. *see* Miler, M. 9—59842
Skande, P. *see* Abramson, N. 9—76631
Skard, J.A.J. *see* Albrow, M.G. 9—75805
Skarek, P. *see* Baribaud, G. 9—72209
Skarnulis, A.J. *see* Boyes, E.D. 9—86659
Skarp, K., Lagerwall, S.T., Stebler, B., McQueen, D. Flow alignment in cyanobiphenyl liquid crystals 9—50988
Skarsgard, H.M. *see* Al-Shiraida, Y.S. 9—73023
Skarzhinskii, V.D. *see* Dodonov, V.V. 9—85008
Skarzynski, E. Testing of symmetric models of the Universe 9—101229
Skatkin, V.M. *see* Zhernov, V.S. 9—76108
Skatkov, I.B. *see* Palatnik, L.S. 9—82593
Skavenski, A.A., Hansen, R.M., Steinman, R.M., Winterson, B.J. Quality of retinal image stabilization during small natural and artificial body rotations in man 9—100595
Skavlem, S. Information theory and statistical mechanics 9—80497
Skawinski, R., Lasowska, A. Investigations of permeability depending on wettability in porous media 9—98795
Skeath, P., Lindau, I., Pianetta, P., Chye, P.W., Su, C.Y., Spicer, W.E. Photoemission study of the interaction of Al with a GaAs(110) surface 9—100019
Skei, J., Paus, P.E. Surface metal enrichment and partitioning of metals in a dated sediment core from a Norwegian fjord 9—83641
Skelland, A.H.P., Huang, Y.-F. Continuous phase mass transfer during formation of drops from jets 9—90299
Skellern, D.J. *see* Milne, D.K. 9—84841
Skelton, W.H. *see* Bailey, D.M. 9—78933
Skema, R.K. *see* Drizius, M.-R.M. 9—90241
Skhirtladze, G.I., Yurchak, B.S. Measurements of horizontal eddy diffusivity in cumuli by radar method 9—88404
Skhtoryan, E.M. *see* Avakyan, R.O. 9—59051
Skiba, G.G., Fedotov, B.N. Method of calculating aerodynamic coefficients of some three-dimensional bodies with arbitrary cross section 9—68741
Skibo, M.D. *see* Hertzberg, R.W. 9—70160
Skibowski, M. *see* Aspnes, D.E. 9—78705
Skidan, B.S., Fomina, G.A., Shepilov, I.A. A study of the effect of processing factors on the properties of alumina-molybdenum cermets 9—100103
Skidan, S.A., Chapkovskiy, I.M. Choice of a rational package of geophysical techniques for structural mapping 9—62617
Skidmore, R., Follett, D.H. Maximum frequency follower for the processing of ultrasonic Doppler shift signals 9—62320
Skikne, M.I., Rendall, R.E.G., Webster, I. Loss of metallic ions from asbestos fibres in lung tissue 9—74825
Skikne, M.I. *see* Crawford, D. 9—74824
Skikne, M.I. *see* Rendall, R.E.G. 9—74585
Skillman, D.R. *see* Mallama, A.D. 9—67035
Skinde, J.S. *see* Romakniskna Rao, G. 9—96794
Skinner, D.P., Hedlicka, S.M., Matthews, A.D. Maximum entropy array processing 9—90087
Skinner, G.B. *see* Chi-Chang Chiang 9—92032
Skinner, G.B. *see* Lifshitz, A. 9—80698
Skinner, G.K. The galactic centre 9—58419
Skinner, G.K. Image processing techniques for the rotation modulation collimator experiment on Ariel 5 9—80236
Skinner, G.K. *see* Proctor, R.J. 9—66923
Skinner, H.B. Analysis of the oxygen supply to porous implants in bone 9—70707
Skinner, J.L., Wolynes, P.G. Derivation of Smoluchowski equations with corrections for Fokker-Planck and BGK collision models 9—80499
Skinner, T.E. *see* Medress, M.F. 9—64424
Skipetrov, E.P. *see* Brandt, N.B. 9—73533
Skjeggestad, O. *see* Armenise, N. 9—67533
Sklansky, J. *see* Lipkin, L. 9—70711
Sklarchuk, J.C. *see* Chreitzberg, A.M. 9—52922
Sklaroff, D.M. *see* Schlager, B. 9—88159
Sklenicka, V. Summer School: recovery and recrystallization 9—70081
Sklenicka, V. *see* Prochazka, K. 9—77604
Sklizkov, G.V. *see* Basov, N.G. 9—86587
Sklizkov, G.V. *see* Getts, K. 9—68953
Sklyanin, E.K. *see* Kulish, P.P. 9—61029
Sklyar, V.K. *see* Gorodetskii, D.A. 9—60659
Sklyar, V.K. *see* Gorodetsky, D.A. 9—90902
Sklyarenko, I.Ya. *see* Lukshin, V.V. 9—88407, 9—100547
Sklyarenko, S.K. *see* Elfimov, O.V. 9—68432, 9—75599
Sklyarenko, V.D. *see* Prokopenko, V.S. 9—59071
Sklyarov, A.E. *see* Leont'ev, Yu.A. 9—78954
Sklyuev, P.V. Steel 34KhN1M (handbook data) 9—78960
Skobelev, O.P. *see* Pshenichnikov, V.V. 9—80589
Skobelkin, V.N. *see* Rykov, V.A. 9—86465
Skoblo, V.Z. *see* Bunyatov, G.S. 9—60079
Skochenskii, A.A. *see* Khrebtov, A.P. 9—82954
Skocpol, W.J., Kadin, A.M., Tinkham, M. Measurement of potential differences in nonequilibrium superconductors 9—65592
Skocpol, W.J. *see* Octavio, M. 9—82717
Skogerboe, R.K. *see* Johnson, G.W. 9—100459
Skogman, R.A. *see* Moravec, T.J. 9—77944
Skok, V.F. *see* Vereshchagin, L.F. 9—65505
Skold, K. Quasielastic neutron scattering studies of metal hydrides 9—82383
Skolnick, M.L. *see* Van Workum, J. 9—59738, 9—59740
Skolnick, M.S., Bimberg, D. Band parameter determination in the layer compound 2H-PbI_2 9—95332
Skolnick, M.S. *see* Bimberg, D. 9—69882
Skominas, V.Yu. *see* Yagminas, A.I. 9—91851
Skopik, D.M., Murphy, J.J., II, Weller, H.R., Blue, R.A., Roberson, N.R., Wender, S.A., Tilley, D.R. Reactions $^{15}N(\gamma,d_0)^{13}C$ and $^{13}C(D,\gamma_0)^{15}N$ in the giant resonance region 9—93587
Skopik, D.M. *see* Uegaki, J. 9—80922
Skorbun, S.D. *see* Dudenkov, A.V. 9—78708
Skordeva, E.R. *see* Pavlov, S.K. 9—65941
Skoric, M.M. *see* Stanic, B.V. 9—98916
Skorik, A.I. *see* Mukhamedyrov, R.D. 9—49200
Skorikov, E.A. *see* Dorofeev, Yu.G. 9—77827
Skorikov, N.V. *see* Alekhin, L.A. 9—97898
Skorikov, N.V. *see* Bakumenko, O.D. 9—97869
Skorikov, N.V. *see* Yurchenko, D.S. 9—97868
Skorikov, V.A. *see* Bagratishvili, G.D. 9—60932
Skorikov, V.M. *see* Bykovskii, Yu.A. 9—69552
Skorikov, V.M. *see* Shatskaya, L.S. 9—77601
Skorikov, V.M. *see* Tarasova, L.S. 9—99201
Skorinin, J.V. *see* Garbar, I.I. 9—52393
Skornyakov, A.N. *see* Teterin, P.K. 9—52231
Skornyakov, G.P. *see* Konstantinov, V.L. 9—87458
Skorodumov, S.V. *see* Ulybin, S.A. 9—60536
Skorokhod, V.V. Mechanism of flow of material during sintering and superplasticity of polycrystalline materials 9—100072
Skorokhod, V.V., Solonin, S.M., Chernyshev, L.I. High-porosity tungsten-copper materials produced by liquid-phase sintering. I. Stabilization of porous structure and control of volume changes in the liquid-phase sintering of porous tungsten-copper materials 9—95974
Skorokhod, V.V. *see* Donskova, E.N. 9—100070
Skorokhod, V.V. *see* Panichkina, V.V. 9—61540
Skorokhodov, I.I. *see* Chistov, S.F. 9—81310
Skorokhodov, I.I. *see* Lavygin, I.A. 9—86830
Skorokhodov, I.I. *see* Vishnevskii, F.N. 9—52821
Skoropad, T.S. *see* Drobasheva, T.I. 9—52189
Skoropanov, Yu.S. *see* Popov, V.P. 9—74394
Skorov, D.M. *see* Balankin, S.A. 9—59165, 9—100069
Skorovodkin, N.V. *see* Aleksandrov, B.M. 9—71980
Skoryatina, E.A. *see* Dzhafarov, T.D. 9—56333
Skotnikov, A.I., Sverdlov, L.M. Solution of the inverse and direct mechanical anharmonic problems for isotope derivatives of the water molecule. New sets of spectroscopic parameters 9—63983
Skoulikidis, Th., Tsakopoulos, A. New 'automatic lightning conductor method of applying cathodic protection' to metallic and reinforced concrete constructions: use of atmospheric electricity. I. Laboratory and pre-pilot plant scale tests 9—52418
Skoulios, A. *see* Guillon, D. 9—55659
Skoulios, A. *see* Millaud, B. 9—77507
Skouras, L.D. *see* Kalfas, C.A. 9—97678
Skouras, L.D. *see* Mavromatis, H.A. 9—93530
Skov, D.D. *see* Huen, A. 9—61457
Skovoroda, A.A. *see* Zhil'tsov, V.A. 9—90383
Skovorodnikov, I.G., Kozyrin, A.K. A device for studying the motion of a liquid in a borehole 9—80051
Skovpen, Yu.I., Flambaum, V.V. Tensor polarizability of thallium 9—76525
Skovpen', Yu.I., Khriplovich, I.B. Weak neutral currents of new quarks in e^+e^- annihilation 9—93445
Skovpen, Yu.I. *see* Zhitnitskii, A.R. 9—49484, 9—54431
Skowron, L.M. *see* Peden, M.E. 9—70828
Skowronek, M., Alayli, Y. Effect of the momentum transfer on the Rayleigh scattering cross section 9—85969
Skowronek, M. *see* Vitel, Y. 9—77421
Skowronski, J.I. *see* Fleszynski, J. 9—91358
Skowronski, J.M. Liapunov type design of lumped system in conflict with environment 9—57498
Skraba, W.J., Arino, H., Kramer, H.H. A new $^{144}Ce/^{144}Pr$ radioisotope generator system 9—49885
Skrbic, Z.M. *see* Kozmidis, U.F. 9—56133
Skrebkova, E.D. *see* Klinkova, L.A. 9—52090
Skribano, A. *see* Apel', V.D. 9—67609
Skriganov, M.M. The high-energy asymptotic behavior of the potential scattering amplitude 9—75409
Skrinjar, M. *see* Stojanovic, S.D. 9—56131
Skrinjar, M.J. *see* Kozmidis, U.F. 9—56133
Skrinjar, M.J. *see* Maksimovic, R. 9—56132, 9—82528
Skrinskii, A.N. *see* Budker, G.I. 9—68118
Skrinskii, V.M. *see* Drozdov, V.A. 9—99968
Skrinsky, A.N. *see* Derbenev, Ya.S. 9—72127
Skripets, M.M. *see* Yashchishin, I.N. 9—61554
Skripin, G.V. *see* Gavril'ev, A.I. 9—80136
Skripko, G.A. *see* Makhanek, A.G. 9—83023
Skripnik, Yu.D. Influence of irradiation on the resistance of steel 0Kh16N15M3B to cyclic elastoplastic deformation 9—91767
Skripnik, Yu.D. *see* Kiselevskii, V.N. 9—91793
Skripov, V.P., Shuravenko, N.A., Isaev, O.A. Blocking of flow in short channels under conditions of shock boiling of a liquid 9—86491
Skriver, H. *see* Venema, W.J. 9—65365
Skriver, H.L., Lengkeek, H.P. Band structure and optical properties of ordered $AuCu_3$ 9—60696
Skriver, H.L. *see* Dunsworth, A.E. 9—69396
Skrlac, W. *see* James, D. 9—59716
Skrobis, K. *see* Blaszczak, E. 9—51763
Skrotzki, W. Minimum work-hardening rates for alkali halides 9—74175
Skrovanek, S.D., Bradt, R.C. Microhardness of a fine-grain-size Al_2O_3 9—79084
Skrypnik, A.I. Problem-oriented software for asymptotic methods of nonlinear mechanics 9—49028
Skrypnik, E.A., Karapetyan, G.O., Kosyakov, V.I. Thermochromism in polyvinyl alcohol films activated with salts $CoCl_2.6H_2O$, $LiCl.H_2O$ 9—91415
Skryshevskii, Yu.A. *see* Ostapenko, N.I. 9—87477
Skrzypczak, E. *see* Aksinenko, V. 9—97713
Skubal, A. *see* Prouza, Z. 9—68113
Skubenko, P.A. *see* Babii, P.I. 9—73969
Skubko, V.A. *see* Gasilin, V.V. 9—57173
Skubnevskaya, G.I., Bazhin, N.M., Lavrik, N.L., Sorokin, N.I. D_2CO fluorescence quenching by alien gases 9—50074
Skudnov, V.A. *see* Gagarin, Yu.A. 9—57078
Skuja, A. *see* Loomis, W.A. 9—71757
Skull, G. *see* Decuyper, J. 9—76106
Skull, G. *see* Josue, M. 9—76107
Skullerud, H.R., Forsth, L.R. Perturbation treatment of thermal motions in gaseous ion-transport theory 9—64820
Skul'skaya, L.I., Iorysh, Z.I., Marchak, I.I., Kozachok, V.I. Quantitative X-ray phase analysis of graphite 9—52820
Skulski, R. *see* Surowiak, Z. 9—69795
Skundin, A.M. *see* Gorina, N.B. 9—61873
Skupsky, S. *see* Yaakobi, B. 9—54598
Skura, J. *see* Givernaud, A. 9—75801
Skuridin, A.M. *see* Kurov, I.E. 9—60430
Skurin, L.I., Yurkin, A.V. Convective heat- and mass-transfer in hypersonic near wakes 9—98752
Skurin, L.I., Yurkov, A.V. Approximation calculation of parameters at the throat of a hypersonic wake 9—68743
Skurin, L.I. *see* Polyanskii, A.F. 9—86461
Skutova, M.S. *see* Danil'chik, L.N. 9—55749
Skvortsov, A.M., Gorbunov, A.A. The comparison between the 'computer' and real experiments on the adsorption of macromolecules at a plane surface 9—56077
Skvortsov, A.M., Gorbunov, A.A. Regularities in the chromatographic separation of block-copolymers on porous adsorbents 9—66392
Skvortsov, M.N. *see* Vasilenko, L.S. 9—68375
Skvortsov, V.G. *see* Zhdanov, G.S. 9—57269
Skvortsov, V.N. *see* Onishchenko, N.Ya. 9—52376
Skvortsov, V.V. *see* Nosachev, L.V. 9—77426
Skvortsov, Yu.S., Malamed, E.R., Zabelin, V.A., Bogomolov, V.I. UIM-29 general-purpose measuring microscope 9—71524
Skvortsov, Yu.S. *see* Malamed, E.R. 9—50404
Skwarcz, J. *see* Stepnaik, A. 9—61396
Slabospitskii, R.P. *see* Shilyaev, B.A. 9—90703
Slabospitskii, S.R. *see* Kartvelishvili, V.G. 9—85312
Slach, J. *see* Elfmark, J. 9—67851
Slack, L.H. *see* Burton, L.C. 9—74526
Slade, D. The global CO_2 problem, Department of Energy research objectives 9—88032
Slade, M.L., Zallen, R. Raman spectra of As_4S_4 polymorphs: structural implications for amorphous As_2S_3 films 9—61385
Slade, P.D., Fournier, G.R. Temporal evolution of the xenon laser pulse 9—76732
Slade, R.C.T., Halstead, T.K., McGeehin, P. Pulsed NMR study of hydronium β-alumina 9—87329
Sladek, R.J. Interpretation of lattice-parameter changes accompanying the electrical transition caused by alloying V_2O_3 into Ti_2O_3 9—60714
Sladek, R.J. *see* Claytor, T.N. 9—65145
Sladek, R.J. *see* Rimai, D.S. 9—73242, 9—86901
Sladen, F.M.E., Payne, D.N., Adams, M.J. Definitive profile-dispersion data for germania-doped silica fibres over an extended wavelength range 9—76828
Sladkevich, M.S. *see* Antonov, A.N. 9—94691
Sladkovic, R. *see* Reiter, R. 9—53412
Sladky, P., Pelant, I., Parma, L. Ultrasonic monitoring of suspension polymerization of vinyl chloride 9—70328
Slaelin, D.H. *see* Grody, N.C. 9—100906
Slager, C.J. *see* Reiber, J.H.C. 9—70629
Slaibi, S. *see* Al-Hiti, K. 9—79632
Slaidin', G.Ya. *see* Vosekalns, A.V. 9—70350
Slak, J. *see* Blinc, R. 9—65752, 9—78635
Slak, J. *see* Kind, R. 9—99313
Slakhorst, J. *see* van Alphen, L. 9—74314
Slakhorst, J.W.H.G. *see* Heller, H.W.F. 9—91722

Slakhorst, J.W.H.G. *see* Kneijnsberg, H.P. 9—90681
Slama, R. *see* Azancot, I. 9—70634
Slama, Z. Effect of traces of copper and iron on the photo oxidative ageing of poly phenylene oxide and its mixtures with impact resisting polystyrene 9—100191
Slanciauskas, A.A. *see* Drizius, M.-R. 9—94610
Slanciauskas, A.A. *see* Drizius, M.-R.M. 9—90241
Slanger, T., Black, G. The $O(^1S)$ airglow—new laboratory results 9—53604
Slanger, T.G., Black, G. Interactions of $O_2(b^1\Sigma_g^+)$ with $O(^3P)$ and O_3 9—70309
Slanger, T.G. *see* Black, G. 9—64038
Slanger, T.G. *see* Lee, L.C. 9—58009
Slanger, T.H. Metastable oxygen emission bands 9—64015
Slansky, S. *see* Dupoisot, H. 9—75601
Slansky, S. *see* Roosen, G. 9—76733
Slater, C.O. *see* Ingersoll, D.T. 9—54562
Slater, J. *see* Catterall, R. 9—78502
Slater, J.G. *see* Simpson, E.S.W. 9—66608
Slater, L.E., Burford, R.O. A comparison of long-baseline strain data and fault creep records obtained near Hollister, California 9—79776
Slatkine, M. *see* Perlmutter, P. 9—87886
Slattery, G.F., Richardson, H.K., Thomson, P. Microstructure of the weld region in seam-welded zirconium-$2^1/_2$ wt.% niobium tubing 9—61621
Slattery, P. *see* Biel, J. 9—89309
Slattery, P. *see* Chaney, D. 9—89308
Slattery, W.L. Protoplanetary core formation by rain-out of iron drops 9—66932
Slaughter, G.G. *see* Weigmann, H. 9—89278
Slaus, I. *see* Blommestijn, G.J.F. 9—75994, 9—76003
Slaus, I. *see* Karaoglan, E. 9—76011
Slaus, I. *see* Myers, L.T. 9—75999
Slaus, I. *see* Rivenburg, H.C. 9—76004
Slaus, I. *see* Stipcic, N. 9—97927
Slavatinskii, S.A. *see* Baiburina, S.G. 9—80156, 9—80170
Slavchev, S.G., Simeonov, G. The unsteady boundary layer on a spherical gas bubble 9—55357
Slavin, G.A., Khorosheva, V.B., Stolpner, E.A. On certain parameters of the process of dendritic solidification in welding 9—87625
Slavin, J.A., Holzer, R.F. The effect of erosion on the solar wind stand-off distance at Mercury 9—80251
Slavin, J.A. *see* Holzer, R.E. 9—101024
Slavin, S., Lawrence, D.M. An atomic absorption bibliography for July-December 1978 9—87888
Slavin, W., Manning, D.C. Reduction of matrix interferences for lead determination with the L'vov Platform and the graphite furnace 9—92020
Slavnov, A.A. Supersymmetric gauge theories and their possible applications to the weak and electromagnetic interactions 9—49419
Slavnov, D.A. *see* Il'in, V.A. 9—71648
Slavnova, T.D. *see* Peshkin, A.F. 9—54895
Slavov, V.I. *see* Pyatunin, G.A. 9—96274
Slavskii, Yu.I. *see* Drozd, M.S. 9—87773
Slavyanov, S.Yu. *see* Abramov, D.I. 9—63069
Slawny, J. Low-temperature expansion for lattice systems with many ground states 9—88887
Slawny, J. *see* Holsztynski, W. 9—56538
Slawson, P.R. *see* Raithby, G.D. 9—66751
Slawson, P.R. *see* Subbarao Maddukuri, C. 9—66750
Slayman, C.W. *see* Guedes, J.M.P. 9—82683
Slayton, R.E. *see* Turner, D.A. 9—57769
Slazenger, M. Noninvasive measurement of pulmonary blood flow 9—70685
Slebarski, A., Lawniczak, K., Auleytner, J. Soft X-ray emission spectra of aluminium and manganese from $Gd(Al_{1-x}Mn_x)_2$ intermetallic compounds 9—91537
Slechta, J. Self-consistent continued-fraction theory of the conductivity of disordered systems: linear (TTF-TCNQ salts, polymers, proteins) 9—69482
Sledkov, V.K. *see* Zabolotskii, A.A. 9—100312
Sledz, J. *see* Bernier, P. 9—82859
Slee, O.B. *see* Nelson, G.J. 9—53827
Sleeman, J. *see* Armenise, N. 9—67536, 9—93398
Sleeman, J.C. *see* Armenise, N. 9—93397
Sleep, N.H. *see* Stein, S. 9—96741
Sleeswyk, A.W. *see* Alsem, W.H.M. 9—78556
Sleeswyk, A.W. *see* James, M.R. 9—66094
Slegtenhorst, R.P., van Beelen, H. Analysis of an experiment on thermally driven flow of helium II in two coupled capillaries 9—86950
Sleigh, M.A. *see* Barlow, D.I. 9—74805
Sleipcevich, C.M. *see* Hathi, V.V. 9—61720
Slemmons, D.B., Bell, E.J., Van Wormer, D., Silberman, M.L. Recent crustal movements in the Sierra Nevada-Walker Lane region of California—Nevada. I. Rate and style of deformation 9—79838
Slemmons, D.B. *see* Bell, E.J. 9—79839
Slemmons, D.B. *see* Sanders, C.O. 9—79840
Slemr, F., Seiler, W., Schuster, G. Mercury in the troposphere 9—53406
Slepchenko, V.I. *see* Mataruev, V.N. 9—72943
Sleptsov, I.E. *see* D'yakonov, M.N. 9—80151
Sleptsov, S.E. *see* Volod'ko, L.V. 9—87489
Slepukhin, V.K. *see* Buzuev, G.V. 9—78534
Slesar, M. *see* Kurian, J. 9—70094
Slesarenko, A.P. Joint application of the small-parameter method, Laplace transforms, the R functions method and variational methods to nonlinear unsteady heat conduction problems 9—94451
Slesarev, I.S. *see* Kuz'minov, V.V. 9—59128, 9—97750
Slettebak, A. The Be stars 9—84809
Slettemoen, G.A. General analysis of fringe contrast in electronic speckle pattern interferometry 9—72506
Sletten, H. *see* Armenise, N. 9—67536, 9—93397
Slezak, V. *see* Gilar, O. 9—49873
Slice, R.T. *see* Somers, J. 9—89564
Slidders, W. *see* Brown, R.A. 9—74606
Sliemers, F.A. *see* Hassell, J.A. 9—96387
Slifkin, L.M. *see* Batra, A.P. 9—77830
Slifkin, L.M. *see* Horan, S.E. 9—51200, 9—66095
Slim, H.A. *see* Atkinson, D. 9—58911
Sliney, D.H. The development of laser exposure limits 9—66485
Sliney, H.E. *see* Fusaro, R.L. 9—52381
Sliney, J.G., Jr., Leung, K.M., Birnbaum, M., Tucker, A.W. Lifetimes of the $^4F_{3/2}$ state in Nd:YVO_4 9—87494
Slingerland, J. *see* van der Wal, P.B. 9—53722
Slinn, W.G.N., Hasse, L., Hicks, B.B., Hogan, A.W., Lal, D., Liss, P.S., Munnich, K.O., Sehmel, G.A., Vittori, O. Some aspects of the transfer of atmospheric trace constituents past the air-sea interface 9—62544
Slivinskii, A.P. *see* Belobrov, P.I. 9—85955
Slivinsky, V.W. *see* Auerbach, J.M. 9—98979
Slivka, V.Yu., Vysochanskii, Yu.M., Gurzan, M.I., Chepur, D.V. Soft mode, interaction of modes, and critical Rayleigh scattering of light in $Sn_2P_2S_6$ 9—99836
Slivka, V.Yu. *see* Golovach, I.I. 9—65901
Slivka, V.Yu. *see* Puga, P.P. 9—51964
Slivka, V.Yu. *see* Suslikov, L.M. 9—65862, 9—73951
Slivka, V.Yu. *see* Vysochanskii, Yu.M. 9—95778
Sliwa, K. *see* Deutschmann, M. 9—85345
Sloan, J.A. *see* Switkes, E. 9—53137
Sloane, A. *see* Marek, J. 9—63104
Slobodchikov, S.V. *see* Agaev, Ya. 9—91137
Slobodin, B.V. *see* Khodos, M.Ya. 9—99333
Slobodkina, F.A. Stability of subsonic gasdynamic flows 9—86451
Slobodkina, F.A. *see* Gonopol'skii, A.M. 9—64881
Slobodnik, A.J., Jr. Materials and their influence on performance [SAWD] 9—50522
Slobodnik, A.J., Jr., Fenstermacher, T.E., Kearns, W.J., Roberts, G.A., Silva, J.H., Noonan, J.P. SAW Butterworth contiguous filters at UHF 9—68493
Slobodnik, A.J., Jr., Szabo, T.L., Laker, K.R. Miniature surface-acoustic-wave filters 9—55282
Slobodnik, A.J., Jr. *see* Silva, J.H. 9—81667
Slobodrian, R.J. The interference of initial and final state amplitudes in p-d bremsstrahlung near the break-up threshold 9—67588
Slobodrian, R.J., Rioux, C., Pigeon, R. Direct production of $^3He^+(2S)$ ions with an rf ion source and nuclear polarization 9—59602
Slobodrian, R.J., Rioux, C., Pigeon, R. Polarized ^3He ion source for a CN Van de Graaff 9—68106
Slobodrian, R.J., Roy, R., Rioux, C., Pigeon, R., Dasgupta, S.S. Proton polarization in the $^{14}N(^3He,p)^{16}O$ reaction near 10 MeV and reaction 9—71861
Slobodrian, R.J. *see* Pigeon, R. 9—76012, 9—93639
Slobodyanik, V.V. *see* Faid'sh, A.N. 9—56830
Slobodyanyuk, V.A. *see* Gus'kov, Yu.K. 9—54978
Slobodyanyuk, V.S. *see* Desyatkov, G.A. 9—90478
Slobodyuk, E.A. *see* Berge, J.P. 9—71741
Slobodyuk, E.A. *see* Efremenko, V.I. 9—75763
Slobokyuk, E. *see* Ammosov, V. 9—71737
Slodzian, G. A transfer optic for microanalysis by secondary ion emission 9—58838
Slodzian, G. *see* Chaintreau, M. 9—58840
Slodzian, G. *see* Dennebouy, R. 9—58839
Sloman, A.W. *see* Ghiggino, K.P. 9—67390
Slomba, A.F. Interferometric measurement of large aperture infrared windows 9—85170
Slomba, A.F., Figoski, J.W. A coaxial interferometer with low mapping distortion 9—85175
Slominskii, Yu.L. *see* Przhonskaya, O.V. 9—87854, 9—89905
Slonczewski, J.C. Force momentum and topology of a moving magnetic domain 9—91264
Slonczewski, J.C., Malozemoff, A.P. Physics of domain walls in magnetic garnet films 9—99727
Slone, D.N. *see* Hill, D.G. 9—71744
Slonim, A. *see* Sandler, B.Z. 9—77032
Slonim, M. *see* Sandler, B.Z. 9—77032
Slonimskaya, I.N. *see* Svalov, G.G. 9—93174
Slonimskii, G.I. *see* Rogovina, L.Z. 9—65010
Slonimskii, G.L., Askadskii, A.A., Kazantseva, V.V. Mechanism of rupture of solid polymers 9—52372
Slonimskii, G.L. *see* Storozhuk, I.P. 9—55915
Slonimskii, G.L. *see* Vasil'ev, V.G. 9—54123
Slonimskii, G.L. *see* Vygodskii, Ya.S. 9—57231
Sloot, H.A.Van Der *see* Van Der Sloot, H.A.
Slovacek, R.E. *see* Block, R.C. 9—67794
Slovetskii, D.I. *see* Kurochkin, Yu.V. 9—86629
Slowikowska, I., Kozlowski, A., Gorzkowski, S. The rheooptical properties of cast urethane elastomers 9—70108
Slowinski, B., Tomaszewicz, A., Mulas, E., Chai, V. Multiple particle production in collisions of pions with xenon nuclei and the problem of the time of hadron formation 9—80957
Sluckin, T.J. Low-temperature mobility of positive ions in helium vapour 9—77333
Sluckin, T.J. *see* Banik, N.C. 9—82331
Sluckin, T.J. *see* Hopfinger, A.J. 9—87398
Sluijs, J.C.A.van der *see* van der Sluijs, J.C.A.
Sluijs, J.C.A.Van der *see* Van der Sluijs, J.C.A.
Sluijter, F.W., Rompa, H.W. Approximate solutions for a slab geometry problem based on Bremmer series concepts 9—64152
Sluman, T.J. *see* Reijnhart, R. 9—79425
Slupkowski, T. *see* Chomka, W. 9—96074
Slusarczuk, M.M. *see* Lagowski, J. 9—99575
Slusarczuk, M.M.G. *see* Lagowski, J. 9—82674
Slusarev, V.A., Strzhemechny, M.A., Burakhovich, I.A. Impurity interaction anisotropy and quantum diffusion of ^3He in solid ^4He 9—56028
Slusarev, V.A. *see* Antsygina, T.N. 9—65282
Slusarev, V.A. *see* Burakhovich, I.A. 9—82353
Slusher, R.E. *see* Auston, D.H. 9—69121
Slusher, R.E. *see* Surko, C.M. 9—69918, 9—74023
Slusky, S.E.G., Schnatterly, S.E., Gibbons, P.C. Core thresholds in alkali metals 9—95359
Slusser, G.J., Winograd, N. Surface segregation of PdAg alloys induced by ion bombardment 9—77885
Slutsker, Ya.Z. *see* Eremin, B.G. 9—75240
Slutskin, A.A., Kadigrobov, A.M. Electric domains in metals at low temperatures 9—65368
Slutskin, A.A. *see* Ginzburg, V.L. 9—91035
Slutskovskii, A.I., Galuzo, L.P., Spirin, V.V. Parameter selection for a digital automatic amplitude controller with preliminary smoothing 9—74985
Slutskovskii, A.I., Nikiforov, S.V., Pakhotin, A.D., Galuzo, L.P., Spirin, V.V., Remizov, V.Ya. Selection of filters and their operator parameters for instrumental realisation of digital band-pass filters 9—74984
Sluyters, J.H. *see* Pieterse, M.M.J. 9—61326
Sluyters-Rehbach, M. *see* Pieterse, M.M.J. 9—61326
Sly, K.N. *see* Milgram, M.S. 9—67812
Slyn'ko, E.I. *see* Slyn'ko, V.V. 9—61045
Slyn'ko, V.V., Kovalyuk, Z.D., Slyn'ko, E.I. Anisotropy of magnetic susceptibility and chemical bond in layer crystals of GaS-group 9—61045
Slyusarchuk, V.Yu. On bounded solutions of nonlinear almost periodic discrete systems 9—92931
Slyusarev, N.M. Floated density meter contactless electromagnetic transformer 9—54099
Smaardyk, J.E., Sutherland, H.J., Kent, L.A. Time-resolved penetration measurements of liquid sodium into limestone concrete 9—93787
Smagin, A.G. Vacancy attenuation of elastic waves in crystals at high temperature 9—86846
Smagin, A.G. Lattice attenuation of longitudinal sound in crystals at 1.8-6K 9—86847
Smagin, V.A., Ivanov, N.S., Zimukhov, V.P. Relaxation effects of the creep of domain boundaries of thin ferromagnetic films in pulse magnetic fields 9—82840
Smagorinsky, J. Topics in dynamical meteorology. X. Epilogue—a perspective of dynamical meteorology 9—100933
Smailagic, A. *see* Akdeniz, K.G. 9—67463
Smak, J. Ultrashortperiod binary systems 9—58381
Smakhtin, L.A. *see* Katargin, N.V. 9—52841
Smakovskii, Yu.B. *see* Adamovich, V.A. 9—64253
Small, A.M. *see* Tyler, R.S. 9—96565
Small, C.E., Smith, J.G. The microwave spectra of NSF_3 in vibrationally excited states 9—50009
Small, C.E., Smith, J.G., Whiffen, D.H. Millimeter wave-radio frequency double resonance; theory and application to NSF_3, a special case 9—50054
Small, D.J. *see* Hutton, S.P. 9—68848
Small, G.J. *see* Port, H. 9—65387
Small, G.W., Rasmussen, G.T., Isenhour, T.L. An infrared search system based on direct comparison of interferograms 9—100458
Small, M.B., Ghez, R. Growth and dissolution kinetics of III-V heterostructures formed by LPE 9—99439
Small, M.B. *see* Lynch, R.T., Jr. 9—50323
Smalley, M.V. *see* Bonsor, D.H. 9—51013
Smalley, R.E. *see* Tellinghuisen, J. 9—98140
Smallman, C.R. *see* Aronson, J.R. 9—95189
Smallwood, J. The Cauchy problem in general relativity. III. On locally imbedding a family of null hypersurfaces 9—49124
Smallwood, R.H. *see* Howlett, P.H. 9—83963
Smardzewski, R.R. *see* Tevault, D.E. 9—89669
Smarr, L. Numerical construction of space-time 9—93011
Smarr, L. *see* Eardley, D.M. 9—71321
Smart, A.E., Mayo, W.T., Jr. Applications of laser anemometry to high Reynolds number flows 9—60082

Smart, B.G.D., Singh, R.N., Isaac, A.K. Design and development of the magnetic cantilever extensometer 9—84511
Smart, M.L. *see* Wang, Y. 9—99135
Smart, R.S.C. *see* Cowley, R.R. 9—60382
Smart, W. *see* Ammosov, V. 9—71737
Smart, W. *see* Efremenko, V.I. 9—75763
Smart, W.M. *see* Curtis, C.D. 9—71989
Smathers, J. *see* Almond, P.R. 9—53244
Smathers, J.B. *see* Graves, R.G. 9—62347
Smatlak, D.L. *see* Moses, G.A. 9—85777
Smbatyan, Zh.E. *see* Bugaev, A.S. 9—51637
Smed, J. *see* Culkin, F. 9—79871
Smedley, J. *see* Taylor, D. 9—97788
Smedskjaer, L.C., Fluss, M.J., Chason, M.K., Legnini, D.G., Siegel, R.W. Positron annihilation in gold between 27K and 592K 9—91523
Smedt, H.De *see* De Smedt, H.
Smeenk, R.G. *see* Van Der Veen, J.F. 9—61483
Smejtek, P., Paulis-Illangasekare, M. Modification of ion transport in lipid bilayer membranes in the presence of 2,4-dichlorophenoxyacetic acid. I. Enhancement of cationic conductance and changes of the kinetics of nonactin-mediated transport of potassium 9—83709
Smejtek, P., Paulis-Illangasekare, M. Modification of ion transport in lipid bilayer membranes in the presence of 2,4-dichlorophenoxyacetic acid. II. Suppression of tetraphenylborate conductance and changes of interfacial potentials 9—83710
Smekhov, G.D., Fotiev, V.A. Investigation of kinetics of populations of excited argon levels in a recombining plasma 9—90376
Smelser, R.E. Evaluation of stress intensity factors for bimaterial bodies using numerical crack flank displacement data 9—50660
Smeltzer, R.K., Chen, C.C. Oxidized metal film dielectrics for III-V devices 9—61769
Smelyanskii, R.M., Tetushkin, V.M. A foam indicator for inspecting the airtightness of joints 9—52594
Smelyansky, V.V. *see* Belushkina, A.A. 9—63324
Smend, F. *see* Rullhusen, P. 9—67741
Smertin, V.M., Namgaladze, A.A. Comparison of the day and night effects of internal gravity waves in the F_2 region of the mid-latitude ionosphere 9—58150
Smet, D.J.De *see* De Smet, D.J.
Smetana, C. Stereo perception space in intensive stereophony 9—68491
Smetannikov, V.N. *see* Gornostaev, B.D. 9—76130
Smets, G. *see* Overbergh, N. 9—82166
Smeyer, Y.G. *see* Delgado-Barrio, G. 9—89745
Smeyers, P., Goossens, M. On the Lamb frequencies of a spherical gaseous star 9—66997
Smialowicz, R.J., Riddle, M.M., Brugnolotti, P.L., Sperrazza, J.M., Kinn, J.B. Evaluation of lymphocyte function in mice exposed to 2450 MHz (CW) microwaves 9—100667
Smialowski, M. Softening vs. hardening effects produced in iron by charging with high fugacity hydrogen 9—74172
Smialowski, M. *see* Flis, J. 9—100259
Smidt, J. *see* Emid, S. 9—73845
Smidt, J. *see* Wind, R.A. 9—61253
Smilanski, I., Erez, G., Kerman, A., Levin, L.A. High-power, high-pressure, discharge-heated copper vapor laser 9—81453
Smilanski, I. *see* Tenenbaum, J. 9—50284
Smilansky, U. *see* Pelte, D. 9—67772
Smilga, A.V. Exponentiation of leading logarithmic corrections to cross sections of colour jet production 9—63445
Smilga, A.V. Effects of spectator interaction in deep inelastic processes 9—93427
Smilga, V.P. *see* Zhigueleva, I.S. 9—96318
Smil'gyavichyus, V. *see* Birmontas, A. 9—89949
Smil'gyavichyus, V. *see* Daneiyus, R. 9—59765
Smirenkin, G.N. *see* Ignatyuk, A.V. 9—49586
Smirenkin, G.N. *see* Istekov, K.K. 9—54464
Smirenkin, G.N. *see* Kupriyanov, V.M. 9—97738
Smirenkin, G.N. *see* Zhuchko, V.E. 9—97739
Smirnitskaya, E.S. *see* Vorob'ev, L.E. 9—60844
Smirnitskii, V.A. *see* Vaisenberg, A.O. 9—75987
Smirnov, A.A. *see* Aksenov, V.G. 9—54224
Smirnov, A.A. *see* Geichenko, V.V. 9—77543
Smirnov, A.A. *see* Golubev, L.I. 9—71921
Smirnov, A.D., Kuz'menko, N.E., Kuzyakov, Yu.Ya. Franck-Condon factors and r-centroids for $D^2\Sigma$-$X^2\Sigma$ system of the AlO molecule 9—94037
Smirnov, A.I. *see* Fedorov, V.V. 9—59623
Smirnov, A.M. *see* Gryazev, V.M. 9—97865
Smirnov, A.P. *see* Gurevich, A.V. 9—98860
Smirnov, A.S. *see* Bertaux, J.L. 9—80180
Smirnov, A.S. *see* Zhilinskii, A.P. 9—55465, 9—64833, 9—77444
Smirnov, A.Yu. *see* Andreev, Yu.M. 9—71738
Smirnov, A.Yu. *see* Moskvin, A.S. 9—73710
Smirnov, B.I., Shpeizman, V.V., Ivanov, S.A., Mal'chuzhenko, K.V., Chudnova, R.S. Appearance of strong misorientation as a result of creep of LiF crystals 9—100228
Smirnov, B.I. *see* Samoilova, T.V. 9—65090
Smirnov, B.I. *see* Zimkin, I.N. 9—99212
Smirnov, B.M., Shlyapnikov, G.V. Transfer of infrared radiation in molecular bands of carbon dioxide and water vapor 9—80028
Smirnov, B.M. *see* Andreev, E.A. 9—64058
Smirnov, B.M. *see* Duman, E.L. 9—50130
Smirnov, B.M. *see* Evseev, A.V. 9—98218
Smirnov, B.M. *see* Kadomtsev, B.B. 9—49090
Smirnov, B.V. *see* Gres'kov, I.M. 9—69144
Smirnov, D.F., Troshin, A.S. On the possibility of observing negative time pair correlation of photons in nonlinear resonance fluorescence 9—59750
Smirnov, E.A. *see* Privalov, V.A. 9—98341
Smirnov, E.G. *see* Ivanova, V.S. 9—57164
Smirnov, E.I. *see* Korotkova, V.N. 9—61555
Smirnov, E.V., Belyakov, V.A. Theory of magnetic pendulum beats in Mossbauer scattering by magnetically ordered crystals 9—69760
Smirnov, E.V. *see* Apokin, V.D. 9—67615
Smirnov, G.I., Shapiro, D.A. Spectral line broadening due to Coulomb interaction 9—86567
Smirnov, G.I. *see* Alizade, V.V. 9—89333
Smirnov, G.I. *see* Rautian, S.G. 9—67391
Smirnov, I.A. *see* Grachev, A.I. 9—94192
Smirnov, I.A. *see* Kaminskii, V.V. 9—69417
Smirnov, I.A. *see* Sattikulov, M. 9—90734
Smirnov, I.A. *see* Weill, G. 9—87101
Smirnov, L.P., Chekalov, V.V. Slow rotation of a sphere in a confined volume of a dilute gas 9—77187
Smirnov, L.S. *see* Bagatyrev, V.A. 9—73573
Smirnov, L.S. *see* Dvurechensky, A.V. 9—69124
Smirnov, L.S. *see* Panov, V.I. 9—90646
Smirnov, L.S. *see* Safronov, L.N. 9—73998
Smirnov, M.G. *see* Basov, N.G. 9—94298
Smirnov, M.G. *see* Efimkov, V.F. 9—98445
Smirnov, M.V. *see* Savintsev, P.P. 9—86931
Smirnov, M.V. *see* Stepanov, V.P. 9—65294
Smirnov, N.A. *see* Abdivaliev, L. 9—93568
Smirnov, N.D. *see* Velchev, N.B. 9—73593
Smirnov, N.I., Karavaev, Yu.A. Allowance for the design and technological features of an electronically-tunable matched filter for the selection of composite signals 9—98538
Smirnov, S.O. On a certain contact problem of the theory of elasticity for a space with a spherical hollow 9—50669
Smirnov, V.A. Energy balance of electrons in a Hall accelerator 9—55456
Smirnov, V.A. Singularities of Feynman diagrams in the coordinate space 9—58884
Smirnov, V.A. *see* Anisimov, M.A. 9—77766
Smirnov, V.A. *see* Mazurenko, Yu.T. 9—50004, 9—54881
Smirnov, V.A. *see* Rozanov, N.N. 9—89977
Smirnov, V.B. *see* Bagaev, S.A. 9—54954, 9—98492
Smirnov, V.D. Evaluation of the errors of star trackers in optoelectronic direction finders 9—75075
Smirnov, V.D. Energy efficiency of primary information processing systems in optoelectronic devices functioning under low-contrast conditions 9—76617
Smirnov, V.D., Shkol'nikov, E.V., Ormont, B.F. Crystallization kinetics of vitreous Se doped with group IVB elements 9—65526
Smirnov, V.G. *see* Baturov, B.B. 9—76089
Smirnov, V.G. *see* Grasyuk, A.Z. 9—72596
Smirnov, V.I. *see* Flerov, G.N. 9—96781
Smirnov, V.I. *see* Klyuev, Yu.A. 9—92530
Smirnov, V.L. *see* Bykovskii, Yu.A. 9—64361, 9—90028
Smirnov, V.M. *see* Vinogradova, O.A. 9—71956
Smirnov, V.N. Reduction of the threshold for the optical breakdown in air near a solid 9—69924
Smirnov, V.N. *see* Dorofeev, V.G. 9—50360
Smirnov, V.N. *see* Krutyakova, V.P. 9—74032
Smirnov, V.P. *see* Ivanov, M.I. 9—93861
Smirnov, V.S., Novikov, V.P. Pulsed light source of high brightness based on a DKSSh-120 lamp with an adjustable slope of the flat top of the pulse 9—68422
Smirnov, V.S., Studenov, V.I. Effect of cavity thermooptical distortions on the energy characteristics of a rhodamine 5G laser with lamp excitation 9—55135
Smirnov, V.S., Tumaikin, A.M. Interaction of polarized unidirectional waves in a resonant medium situated in a longitudinal magnetic field 9—64278
Smirnov, V.S. *see* Kazantsev, A.P. 9—63969
Smirnov, V.S. *see* Rumyantseva, N.K. 9—98434
Smirnov, V.V. Analysis of the anamorphotic properties of hologram optical elements when astigmatism is present 9—98319
Smirnov, V.V. *see* Kozlov, D.N. 9—98109
Smirnov, Ya.B. *see* Kutas, R.I. 9—70766
Smirnov, Yu.F. *see* Neudatchin, V.G. 9—75874
Smirnov, Yu.I. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Smirnov, Yu.I. *see* Fedorov, N.F. 9—52139
Smirnova, A.V. *see* Urazova, V.A. 9—96051
Smirnova, E.A. *see* Demidov, B.A. 9—81099
Smirnova, E.I. *see* Vidro, G.I. 9—67376
Smirnova, E.V. *see* Urusovskaya, L.N. 9—65882
Smirnova, L.G. *see* Mel'nik, M.T. 9—83184
Smirnova, M.D. *see* Baiburina, S.G. 9—80156, 9—80170
Smirnova, N.I. *see* Pavluchenko, A.I. 9—86876
Smirnova, N.L., Zvezdinskaya, L.V., Belov, N.V. Laws of variation of coordination numbers of systems of polymorphic transitions of ternary compounds 9—86737
Smirnova, N.L. *see* Bokii, G.B. 9—60304
Smirnova, N.L. *see* Zvezdinskaya, L.V. 9—60303, 9—90591
Smirnova, O.I. *see* Sochava, I.V. 9—70526
Smirnova, O.V. *see* Naidenova, G.P. 9—57268
Smirnova, S.L. *see* Baldin, B.Yu. 9—68140
Smirnova, T.A., Stetsenko, A.I., Cherpak, N.T., Shamfarov, Ya.L., Aseev, G.G., Musatov, M.I. UHF amplifiers with active rods having a variable concentration of paramagnetic ions 9—94202
Smirnova, T.N., Tikhonov, E.A. Conical scattering of laser beams in active dye solutions 9—94294
Smirnova, T.N., Tikhonov, E.A., Shpak, M.T. Vibron structure in the 2-photon absorption spectra of solutions of organic dyes 9—64004
Smirnova, T.V. *see* Kardashev, N.S. 9—62862
Smirnova, V.V. Electric field in the disturbed zone behind a cylinder streamlined by a rarefied plasma 9—53623
Smirnovskaya, E.M., Perkalina, T.M., Cherkezyan, S.A. Magnetic anisotropy of trigonal ferrite $Ba_2Co_{1.75}Zn_{0.25}Fe_{12}O_{22}$ 9—73709
Smironov, G.I. *see* Alizade, V.V. 9—80845
Smit, C.C. *see* Knaap, M.H. 9—97792
Smit, E. *see* Reynhardt, E.C. 9—95652
Smit, J. On the photoelastic shear constants of cubic ionic crystals 9—86833
Smit, J. *see* Karsten, L.H. 9—85249
Smit, J. *see* Melmed, A.J. 9—49341
Smit, J.A.M. *see* Verslujis, C.W. 9—52767
Smit, J.G., Dachs, H., Lechner, R.E. Reorientational motion of the OH^- ion in cubic sodium hydroxide 9—51017
Smit, J.J., Mostafa, M., De Jongh, L.J. High-field magnetization study of the antiferromagnetic chain systems in $[(CH_3)_3NH]_3Mn_2X_7$ (X=Cl,Br) at 4.2K 9—61187
Smit, J.J., Nieuwenhuys, G.J., de Jongh, L.J. High-field magnetization of giant moment-spin glass PdMn alloys in pulsed fields up to 40 T 9—61143
Smit, J.J., Nieuwenhuys, G.J., de Jongh, L.J. Evidence for Mn clustering in dilute CuMn alloys from high-field (40 T) magnetization curves at 4.2K 9—78426
Smit, W.M.A., Bode, J.H.G., Van Straten, A.J. Transferability of dipole moment derivatives: a general method for the calculation of absolute rotational contributions 9—72297
Smit, W.M.A., Bruns, R.E. On the use of F and G sum rules as error indicators of experimental vibrational intensity data: the $CH_xD_{3-x}Br$ molecules [comment and reply] 9—72364
Smit, W.M.A. *see* Bode, J.H.G. 9—72296
Smith, A., Holt, R., Whalen, J. Neutron interaction with carbon-12 in the few-MeV region 9—59057
Smith, A. *see* Paciotti, M. 9—79629
Smith, A.B., Burilla, C.T. Hall-effect hysteresigraph for amorphous bubble-domain materials 9—73786
Smith, A.B. *see* Bekebrede, W.R. 9—82845
Smith, A.B. *see* Kestigian, M. 9—78458
Smith, A.C. *see* Briscoe, B.J. 9—50675
Smith, A.C.H. *see* Harrison, M.F.A. 9—81284
Smith, A.C.H. *see* Khakoo, M.A. 9—81282
Smith, A.G. *see* Bradt, H.V. 9—62929
Smith, A.G. *see* Roddick, J.C. 9—74872
Smith, A.G. *see* Thieman, J.R. 9—101112
Smith, A.J., Smith, I.D., Deeley, A.M., Bullough, K. A semi-automated whistler analyser 9—74975
Smith, A.J.S. *see* Anderson, K.J. 9—67612
Smith, A.J.S. *see* Branson, J.G. 9—89211
Smith, A.J.S. *see* Hogan, G.E. 9—63552
Smith, A.J.S. *see* Newman, C.B. 9—63553
Smith, A.L.S., Brooks, M. Radiation field induced perturbations in CO_2 laser plasmas. I. Current and pressure fluctuations 9—82079
Smith, A.L.S., Moffatt, S. Opto-galvanic stabilized CO_2 laser 9—89923
Smith, A.L.S. *see* Brooks, M. 9—82080
Smith, A.L.S. *see* Norris, B. 9—59709
Smith, A.M. Automated measurement of fibre polarisation properties 9—64352
Smith, A.M. Automated birefringence measurement system 9—93205
Smith, A.M. *see* Norman, S.R. 9—64318
Smith, A.M.O. *see* Wazzan, A.R. 9—81845
Smith, A.R. *see* Radin, J.R. 9—93625
Smith, A.R. *see* Somers, J. 9—89564
Smith, A.T. *see* Jeffreys, D.A. 9—100602
Smith, A.T. *see* Jones, D.P. 9—92326
Smith, A.V. *see* Guest, J.N. 9—68751
Smith, B.A. Some aspects of the design and construction of the cold crucible 9—66001
Smith, B.A., Cowlam, N., Shamah, A.M. The crystal growth and atomic structure of $As_2(Se,S)_3$ compounds 9—60289
Smith, B.A., Shoemaker, E.M., Kieffer, S.W., Cook, A.F., II The role of SO_2 in volcanism on Io 9—92700
Smith, B.A. *see* Cook, A.F. 9—92701
Smith, B.A. *see* Ingersoll, A.P. 9—92711

Smith, B.A. *see* McCauley, J.F. 9—92699
Smith, B.A. *see* Mitchell, J.L. 9—92712
Smith, B.J. *see* Cathey, W.T. 9—76805
Smith, B.J. *see* Stephen, J. 9—73180
Smith, B.L. *see* Kluger-Bell, B.M. 9—59010
Smith, B.T. *see* De Vreugd, C. 9—98186
Smith, C.F., Jr. *see* Burton, L.C. 9—74526
Smith, C.G. An eighteenth century rainfall record at Shirburn Castle, Oxfordshire 9—84419
Smith, C.H.Llewellyn *see* Llewellyn Smith, C.H.
Smith, C.L. *see* Drever, J.I. 9—62529
Smith, C.P. *see* Fields, J.N. 9—50564
Smith, C.V., Jr., Simkins, T.E. Comment on 'Unconstrained variational statements for initial and boundary-value problems' [and reply] 9—92927
Smith, C.W. *see* Carey, R.F. 9—55970
Smith, C.W. *see* Grindle, S.P. 9—95926
Smith, C.W. *see* Kagiafas, E.A. 9—91369
Smith, C.W. *see* Singh, B. 9—57743
Smith, D. Hindered rotation of the ammonium ion in $(NH_4)_2SnCl_6$ 9—98058
Smith, D. *see* Adams, N.G. 9—61845
Smith, D. *see* Baer, T. 9—66274
Smith, D. *see* Roden, M.F. 9—66668
Smith, D. *see* Yost, R.A. 9—67419
Smith, D.A. Application of field-ion microscopy to the study of grain boundary dislocations 9—73170
Smith, D.A. *see* Clark, W.A.T. 9—51117
Smith, D.A. *see* Crampton, S.B. 9—50155
Smith, D.A. *see* Parkinson, G.M. 9—69115
Smith, D.A. *see* Pond, R.C. 9—73173
Smith, D.A. *see* Vitek, V. 9—60383
Smith, D.B. *see* Dayem, H.A. 9—85738
Smith, D.B. *see* Hakkila, E.A. 9—85755
Smith, D.C. *see* Robertson, D.M. 9—57689
Smith, D.C.G., Crowe, D.S., Lennox, T.A., Lord, D.J., Smith, J.C., Hampshire, R. Measurements in PFR of importance to safety and reactor performance 9—97897
Smith, D.C.G., Gregory, C.V., Leet, G.O., Tait, D., Bagley, K.Q. DFR special experiments 9—97779
Smith, D.D., Zewail, A.H. Characterization of vibrational overtones and 'local' modes by emission spectroscopy 9—89682
Smith, D.E., Kolenkiewicz, R., Dunn, P.J., Torrence, M.H. The measurement of fault motion by satellite laser ranging [San Andreas fault] 9—79786
Smith, D.E. *see* Padilla, A., Jr. 9—49765
Smith, D.F., Lilliequist, C.G. Confinement of hot, hard X-ray producing electrons in solar flares 9—96982
Smith, D.F., Spicer, D.S. Plasma radiation diagnostics of the primary energy release region in solar flares 9—84777
Smith, D.F. *see* Arons, J. 9—53847
Smith, D.F. *see* Wampler, F.B. 9—64034
Smith, D.G. Simple C_p/C_v resonance apparatus suitable for the physics teaching laboratory 9—84885
Smith, D.H. *see* Djerassi, C. 9—50158
Smith, D.H. *see* Varkony, T.H. 9—81294
Smith, D.J. *see* Cosslett, V.E. 9—97475
Smith, D.J. *see* Jefferson, D.A. 9—100829
Smith, D.J. *see* Stobbs, W.M. 9—99039
Smith, D.K., Radebaugh, J.C., Scharer, J.E. Experimental investigation of a whistler parametric instability 9—73007
Smith, D.K. *see* Shu-Cheng Yu 9—65036
Smith, D.L. Nonstoichiometry and carrier concentration control in MBE of compound semiconductors 9—95941
Smith, D.L., Krazinski, J.A. First-wall/limiter design for a Tokamak experimental power reactor 9—85797
Smith, D.L., Nuckels, C.D., III, Jones, R.L., Cook, G.A. Distribution of heat flow and radioactive heat generation in northern Mexico 9—84198
Smith, D.L., Pickhardt, V.Y. Impurity dopant incorporation and diffusion during molecular beam epitaxial growth of IV-VI semiconductors 9—66012
Smith, D.L. *see* James, R.B. 9—65868
Smith, D.L. *see* Khalil, T.B. 9—81780
Smith, D.L. *see* McGilvery, D.C. 9—68280
Smith, D.L. *see* Osbourn, G.C. 9—69588
Smith, D.L. *see* Stacey, W.M., Jr. 9—71967
Smith, D.M. *see* Bhattacharyya, S.K. 9—81036
Smith, D.R., Quinn, J.A. The prediction of facilitation factors for reaction augmented membrane transport 9—91992
Smith, D.R. *see* Byers, C.C. 9—63742
Smith, D.R. *see* Davies, P.B. 9—54869
Smith, D.T. *see* Diehl, S.R. 9—79435
Smith, D.T. *see* Jackson, P.D. 9—53339
Smith, D.W., Johnson, P.E. Eclipse spectrophotometry of the Galilean satellites 9—96949
Smith, E. A criterion for plane strain cumulative fracture 9—60432
Smith, E. *see* Miller, A.K. 9—93729
Smith, E.A., Vonder Haar, T.H. Fourth generation display systems and the multiple platform problem 9—58229
Smith, E.B., Blecher, W.A., Giramonti, A.J. Modeling the champagne effect in compressed air energy storage 9—83638
Smith, E.B. *see* Crawford, F.W. 9—72381
Smith, E.B. *see* Giramonti, A.J. 9—88006
Smith, E.H. *see* Hillman, B.J. 9—53199
Smith, E.I., Hartnell, J.A. Crater size-shape profiles for the Moon and Mercury: terrain effects and interplanetary comparisons 9—66936
Smith, E.J., Wolfe, J.H. Fields and plasmas in the outer solar system 9—58213
Smith, E.J. *see* Gurnett, D.A. 9—58199
Smith, E.J. *see* Tsurutani, B.T. 9—101116
Smith, E.L., III, Bennett, M.J., Harwerth, S.R., Crawford, M.L.J. Binocularity in kittens reared with optically induced squint 9—79556
Smith, E.M. *see* Aronson, J.R. 9—95189
Smith, E.N., Bishop, D.J., Berthold, J.E., Reppy, J.D. Superfluid mass in very thin films of helium adsorbed on Vycor glass 9—51385
Smith, E.R. Boundary conditions for numerical simulation of fluids with dipolar interactions 9—60247
Smith, E.R. *see* Cummings, P.T. 9—99050, 9—99304
Smith, E.R. *see* Morriss, G.P. 9—90508
Smith, F.A. *see* Phillips, M.E. 9—97958
Smith, F.B., Hunt, R.D. The dispersion of sulphur pollutants over western Europe 9—70490
Smith, F.G. *see* Harding, G.A. 9—70960
Smith, F.G. *see* Lyne, A.G. 9—92793
Smith, F.J., Land, J.F., Begun, G.M. Isotopic exchange equilibrium for hydrogen and deuterium in liquid lithium 9—49845
Smith, F.M. Solar Cycle 21—progress and prospects 9—75181
Smith, F.T. The separating flow through a severely constricted symmetric tube 9—50697
Smith, F.T. Laminar flow of an incompressible fluid past a bluff body: the separation, reattachment, eddy properties and drag 9—59964
Smith, F.T. *see* Duck, P.W. 9—50711
Smith, F.W., Meyerson, B. Reactions of acetylene and ammonia with the Si(111) surface at high temperatures 9—100441
Smith, G., Hauss, E., Loendorf, W., Snowden, J., Brubaker, T. Analysis of interpolation methods for meteorological satellite images 9—58136
Smith, G., Whitcomb, M., Brubaker, T. Design of a satellite image data acquisition system 9—58098
Smith, G. *see* Gilvin, P.J. 9—76282
Smith, G. *see* Kallne, J. 9—85503
Smith, G. *see* Parsons, R.R. 9—55137
Smith, G. *see* Ravishankara, A.R. 9—52719
Smith, G. *see* Seitzer, P. 9—75220
Smith, G.A. *see* De Clercq, C. 9—89188
Smith, G.A. *see* Glenn, J.W. 9—72045
Smith, G.A. *see* Pratap, M. 9—63512
Smith, G.A. *see* Ward, C.P. 9—75803
Smith, G.B., Willrath, H. Calorimetric emissivities for solar-selective coatings on flat sheet 9—80621
Smith, G.D. *see* Adrain, R.S. 9—60083
Smith, G.D. *see* Sherr, T.S. 9—85619
Smith, G.H. *see* Hornung, H.G. 9—81923
Smith, G.I., Friedman, I., Klieforth, H., Hardcastle, K. Areal distribution of deuterium in eastern California precipitation 1968-1969 9—100918
Smith, G.J. The triplet-state charge-transfer reaction between p-nitroacetophenone and guanosine monophosphate: a possible mechanism for electron-affinic radiosensitization 9—92146
Smith, G.J., Casten, R.F., Stelts, M.L., Borner, H.G., Davidson, W.F., Schreckenbach, K. A low-spin test of the particle rotor model for unique-parity states in ^{109}Pd 9—93515
Smith, G.J. *see* Casten, R.F. 9—85369
Smith, G.J. *see* Cizewski, J.A. 9—75853
Smith, G.K., Butler, J.E., Lin, M.C. $OH(X^2\Pi,v=0)$ rotational energy distribution in the reaction of $O(^1D)+H_2$ 9—87829
Smith, G.P., Lee, L.C. Photodissociation spectroscopy of O_3^- and $O_3^-.H_2O$. 4170-4700 Å 9—98170
Smith, G.P. *see* Lee, L.C. 9—64060, 9—81243
Smith, G.R., Darlington, M.W., McCammond, D. Flexural anisotropy of glass-fibre-reinforced thermoplastics injection mouldings 9—61659
Smith, G.R., Loly, P.D. The great beer bottle experiment (acoustic wave velocity measurement) 9—71181
Smith, G.R. *see* Adams, G.S. 9—80915
Smith, G.R. *see* Anderson, R.E. 9—85502
Smith, G.R. *see* Boudrie, R.L. 9—85540
Smith, G.R. *see* Cottingame, W.B. 9—85535
Smith, G.R. *see* Mitchell, M.B. 9—68228
Smith, G.R. *see* Smith, P.A. 9—67630
Smith, G.R. *see* Wallace, L. 9—75141
Smith, G.S. The electric-field probe near a material interface with application to the probing of fields in biological bodies 9—53204
Smith, G.W. Crystal data for ammonium thiosulphate $(NH_4)_2S_2O_3$ 9—51074
Smith, G.W. Phase behavior of some linear polyphenyls 9—55869
Smith, H. *see* Andersen, N.H. 9—60790
Smith, H. *see* Anderson, N.H. 9—60813
Smith, H. *see* Cross, J.D. 9—88219
Smith, H. *see* Pethick, C.J. 9—56369, 9—73625, 9—95541
Smith, H. *see* Raie, R.M. 9—88218
Smith, H. *see* Thomas, L.H. 9—51292
Smith, H., Jr. The dependence of statistical results from N-body calculations on N 9—80339
Smith, H.A., Butler, D. Metal abundance of RR Lyrae stars in the globular cluster M4 9—58351
Smith, H.A. *see* Larson, H.P. 9—96946
Smith, H.A., Jr. Measuring Brewster's angle between classes 9—71202
Smith, H.E., Junkkarinen, V.T., Spinrad, H., Grueff, G., Vigotti, M. Spectrophotometry of three high-redshift radio galaxies: 3C 6.1, 3C 265, and 3C 352 9—92876
Smith, H.G., Wakabayashi, N., Crummett, W.P., Nicklow, R.M., Lander, G.H., Fisher, E.S. Observation of superstructure in α-U near 43K 9—95116
Smith, H.G. *see* Crummett, W.P. 9—95101
Smith, H.G. *see* Tsunoda, Y. 9—69212
Smith, H.I. Fabrication techniques for surface wave devices 9—50523
Smith, H.I. *see* Geis, M.W. 9—95277
Smith, H.S. *see* Hamilton, P.J. 9—62469
Smith, H.V., Jr. An improved sputter pig source (SPIGS) 9—76246
Smith, H.V., Jr. A modified Aarhus negative-ion source 9—81109
Smith, H.V., Jr., Allison, P.W. Measurements of the cesium flow from a surface-plasma H^- ion source 9—68098
Smith, H.V., Jr. *see* Liou, K.Y. 9—86786
Smith, I. Linear induction accelerators made from pulse-line cavities with external pulse injection 9—76180
Smith, I.C.P. *see* Polnaszek, C.F. 9—79455
Smith, I.D. *see* Smith, A.J. 9—74975
Smith, I.K. Teaching with discussion: a review 9—48984
Smith, I.O., Thorpe, W.R. Further comments on 'Mobile dislocations during stress relaxation in an Fe-0.056 wt.% Ti alloy' by K. Okazaki, Y. Aono and M. Kagawa 9—74193
Smith, I.O. *see* Povolo, F. 9—74205
Smith, I.O. *see* Thorpe, W.R. 9—64534, 9—74204
Smith, I.T. *see* Strassburger, J. 9—83525
Smith, I.W.M. *see* Anastasi, C. 9—66284
Smith, I.W.M. *see* Brown, R.D.H. 9—66290
Smith, J. Trimuon production by antineutrinos 9—85291
Smith, J., Albright, C.H. Like-sign dimuon production by neutrinos and antineutrinos 9—85290
Smith, J. *see* Albright, C.H. 9—63470
Smith, J. *see* Batchelor, K. 9—72086
Smith, J. *see* Kane, G.L. 9—63469
Smith, J. *see* Tsang, K.T. 9—94788
Smith, J.A.S. *see* Butcher, P.M. 9—54163
Smith, J.A.S. *see* Sasane, A. 9—51882
Smith, J.B., Jr. *see* Wilson, R.M. 9—62802
Smith, J.C. *see* Smith, D.C.G. 9—97897
Smith, J.E. *see* Kee, F.J. 9—89458
Smith, J.F. *see* Bailey, D.M. 9—78933
Smith, J.F. *see* Greiner, J.D. 9—90712
Smith, J.F. *see* Pountney, J.M. 9—82181
Smith, J.G. Millimeter wave spectra of $P^{35}Cl_3$ in vibrationally excited states 9—98080
Smith, J.G. *see* Mukherjee, S.D. 9—78153, 9—78176
Smith, J.G. *see* Small, C.E. 9—50009, 9—50054
Smith, J.H., Robinson, D.W. Pure rotational lasing in four electronic states of NH: Impulsive to adiabatic collisional pumping 9—86175
Smith, J.J., Winters, K.H., Bransden, B.H. Triple differential cross sections for the ionisation of atomic hydrogen by electron impact from 100 to 250 eV 9—59582
Smith, J.L. Far-field speckle and doppler shifts for rough laser-illuminated rotating cylinders 9—50216
Smith, J.L. RMS phase dependence of the number of random point sources on laser illuminated surfaces 9—59635
Smith, J.L., Huang, C.Y., Tsou, J.J., Ho, J.C. Magnetic anomaly in superconducting $TmRh_4B_4$ 9—78344
Smith, J.L. *see* Ho, J.C. 9—55888
Smith, J.L. *see* Kohn, S. 9—73696
Smith, J.L. *see* Matthias, B.T. 9—78248
Smith, J.L. *see* Stewart, G.R. 9—82356
Smith, J.L. *see* Wang, R.H. 9—56392
Smith, J.M. *see* Burghardt, A. 9—79282
Smith, J.N., Costa, M.D., Deckers, J.M. Chemical reaction in electric discharge. V. Reaction kinetics in a low frequency modulated discharge 9—90477
Smith, J.N., Jr. Angular effects in the sputtering of Cr^+ from stainless steel by 10 keV H_3^+ 9—52058
Smith, J.N., Jr. Surface cleanup and sputtered ion production: Observations with AES and SIMS 9—66209
Smith, J.N., Jr. *see* Meyer, C.H., Jr. 9—78808
Smith, J.R. Computers in sleep research 9—62377
Smith, J.R. *see* Eesley, G.L. 9—99882

Smith, J.R. *see* Ferrante, J. 9—73463
Smith, J.R. *see* Gopal, R. 9—89488
Smith, J.R. *see* Hershkowitz, N. 9—90378
Smith, J.R. *see* Ktonas, P.Y. 9—74771
Smith, J.V. *see* Schlenker, J.L. 9—90617
Smith, J.W. *see* Esmail, M.N. 9—50698
Smith, K. Ultra-cold neutrons for fundamental physics experiments 9—63858
Smith, K. *see* Pendlebury, J.M. 9—67359
Smith, K.A. *see* Beiting, E.J. 9—68271
Smith, K.A. *see* Vilker, V.L. 9—68836
Smith, K.C. *see* Chapman, J.D. 9—79609
Smith, K.C.A. *see* Cosslett, V.E. 9—97475
Smith, K.J., McDonald, W.I., Blakemore, W.F. Central remyelination restores secure conduction 9—83753
Smith, K.K., Kaufmann, K.J., Huppert, D., Gutman, M. Picosecond proton ejection: an ultrafast pH jump 9—83475
Smith, K.M. *see* La Mar, G..N. 9—92152
Smith, K.N. *see* El Haddad, M.H. 9—68655
Smith, L. *see* Laslett, L.J. 9—76224
Smith, L.E. *see* Amann, J.F. 9—89530
Smith, L.E. *see* Boudrie, R.L. 9—89563
Smith, L.E. *see* Boyer, K.G. 9—85539
Smith, L.G. *see* Voss, H.D. 9—62666
Smith, L.J. *see* Huber, M.C.E. 9—53896
Smith, L.L. *see* Krassner, J. 9—92762
Smith, L.M. *see* Sandquist, G.M. 9—53285
Smith, L.R. *see* Mantle, J.A. 9—70684
Smith, L.R. *see* Papapietro, S.E. 9—70637
Smith, L.V. *see* Gibson, F.H. 9—59292
Smith, M. *see* Kellen, P.F. 9—59727
Smith, M.A., Dominy, J.F. The dependence of macroturbulence on luminosity in early K-type stars 9—96997
Smith, M.A., Karp, A.H. Deep photospheric flows in τ Scorpii 9—58326
Smith, M.A., Sinharoy, S., Levenson, L.L. Thermal decomposition of nickel carbide: an Auger lineshape study 9—79293
Smith, M.C. Heat extraction from hot, dry, crustal rock 9—74491
Smith, M.C. *see* Adams, T. 9—92457
Smith, M.J.A. *see* Prytherch, D.R. 9—100777
Smith, M.K. *see* Andeen, C. 9—82924
Smith, N. *see* Brunner, T.A. 9—64029
Smith, N. *see* Pritchard, D.E. 9—54942
Smith, N. *see* Wainger, M. 9—98204
Smith, N.V. Angular dependent photoemission 9—61500
Smith, N.V. Photoemission spectra and band structures of d-band metals. VII. Extensions of the combined interpolation scheme 9—78844
Smith, N.V., Chiang, S. Photoemission spectra and band structures of d-band metals. VI. Spin polarization of bulk photoemission from ferromagnetic Ni 9—78843
Smith, P. On the construction of operators and bounding functionals for dual extremum principles 9—64791
Smith, P., Stewart, A.T. Effect of aqueous and hydrogen environments on fatigue crack growth in 2Ni-Cr-Mo-V rotor steel 9—79173
Smith, P. *see* Polvado, R. 9—63543
Smith, P.A., Emigh, R.A., DiGiacomo, N.J., Smith, G.R., Peterson, R.J. Population of intrinsic high spin states with the direct $^{116}Sn(\alpha,p)^{119}Sb$ reaction 9—67630
Smith, P.A. *see* Alford, W.P. 9—63574, 9—75852
Smith, P.A. *see* Anderson, R.E. 9—67733
Smith, P.A. *see* Sercely, R.R. 9—80871
Smith, P.L. *see* Wang, C.P. 9—72580
Smith, P.P.K. The identification of single-domain titanomagnetite particles by means of transmission electron microscopy 9—88342
Smith, P.R. An integrated set of computer programs for processing electron micrographs of biological structures 9—57835
Smith, P.R. *see* Auston, D.H. 9—69121
Smith, P.R. *see* Gregory, W.S. 9—81020
Smith, P.W. *see* Wood, O.R., II 9—81451
Smith, P.W., Jr. Statistical models of coupled dynamical systems and the transition from weak to strong coupling 9—50500
Smith, R. Buoyancy effects upon lateral dispersion in open-channel flow 9—50775
Smith, R. The influence of the Earth's rotation on mountain wave drag 9—88440
Smith, R., Amos, K. A comparison of effective two-nucleon interactions appropriate for use in analyses of inelastic nucleon scattering 9—93608
Smith, R. *see* De Clercq, C. 9—89188
Smith, R. *see* Peregrine, D.H. 9—92957
Smith, R. *see* Schuette, W.H. 9—92423
Smith, R.A. Elementary diagram calculations for helium 9—85382
Smith, R.A., Harris, R. An approach to noise control for petrochemical process plant expansions 9—68480
Smith, R.A., Mercer, D.M.A. Recent work on musical acoustics 9—76920
Smith, R.B. A measurement of mountain drag 9—53452
Smith, R.B. The folding of a strongly non-Newtonian layer 9—88349
Smith, R.B., Coupal, J., DeLand, F.H., Triplett, J.W. Pharmacokinetics of hepatobiliary imaging agents in rats 9—79637
Smith, R.B. *see* Ward, S.H. 9—84260
Smith, R.C. Measured characteristics of pulsed-neutron assaying of uranium ore deposits 9—53536
Smith, R.C., Rodriguez, R.G. Field measurements of delayed-neutron probe characteristics for uranium exploration 9—53568
Smith, R.D. *see* Iannucci, J.J. 9—57494
Smith, R.E. *see* Crowther, R.L. 9—67844
Smith, R.F. Micro/macro focus [oculars] 9—71521
Smith, R.G., Houge, J.C., Webster, J.G. Portable device for detection of petit mal epilepsy 9—83984
Smith, R.I. Cost and occupational radiation exposure estimates for decommissioning nuclear power plants 9—67903
Smith, R.J. *see* Wolstencroft, R.D. 9—66955
Smith, R.K., Leslie, L.M. A numerical study of tornadogenesis in a rotating thunderstorm 9—79970
Smith, R.K. *see* Leslie, L.M. 9—53442
Smith, R.L. *see* Brink, K.H. 9—79858
Smith, R.N. *see* Constantinescu, V.N. 9—94589
Smith, R.R., Cissel, D.W. Past and present role of fast breeder reactors in the United States of America 9—97890
Smith, R.S.U. Holocene offset and seismicity along the Panamint Valley fault zone, western Basin-and-Range province, California 9—79802
Smith, R.W. *see* Oudar, J.-L. 9—75605
Smith, R.W. *see* Vnuk, F. 9—52354
Smith, S. *see* Jarman, R.A. 9—66227
Smith, S.D. *see* Baker, B. 9—74973
Smith, S.D. *see* Henke, B.L. 9—74034
Smith, S.D. *see* Jones, E.P. 9—66761
Smith, S.D. *see* Kourkoumelis, C. 9—63555
Smith, S.D. *see* Lafferty, J.F. 9—92261
Smith, S.E. Spectroscopic observations of CH Cygni during the 1977-1978 outburst 9—75211
Smith, S.H. The modification of boundary layers by the imposition of an axial velocity within a rotating fluid 9—77133
Smith, S.H., Walker, P.J. The growth of $LaAlO_3$ crystals enriched in isotope ^{17}O 9—87573
Smith, S.H. *see* Broek, D. 9—50651
Smith, S.W., von Ramm, O.T., Haran, M.E., Thurstone, F.L. Angular response of piezoelectric elements in phased array ultrasound scanners 9—64471
Smith, T., Hesp, R. Measurement of ^{57}Co-labelled vitamin B_{12} using a liquid-scintillator whole-body counter 9—96648
Smith, T., Lindberg, G. Interpretation of ellipsometric data for transparent films on rough metal surfaces 9—88912
Smith, T.B. *see* Lamb, B.K. 9—62546
Smith, T.C. Silicon production applications of ion implantation 9—51124
Smith, T.F., Lee, H.Y. Radiant exchange for a fin and tube solar collector 9—76955
Smith, T.G. The influence of preferred crystallographic orientation on the through thickness strength of austenitic stainless steel 9—91771
Smith, T.I., Madey, J.M.J., Elias, L.R., Deacon, D.A.G. Reducing the sensitivity of a free-electron laser to electron energy 9—94246
Smith, T.I. *see* Lyneis, C.M. 9—72065
Smith, T.I. *see* Madey, J.M.J. 9—64193
Smith, T.L., Anderson, A.C. Effect of neutron irradiation on the low-temperature dielectric susceptibility of vitreous silica 9—73878
Smith, T.L., Anderson, A.C. Effect of heat treatment on the low-temperature thermal conductivities of vitreous silica and neutron-irradiated vitreous silica 9—90837
Smith, T.L. *see* Bhattacharyya, A. 9—65265
Smith, V.C. *see* Pokorny, J. 9—57657
Smith, V.J. *see* Bourquin, M. 9—71768
Smith, W.A. *see* Shaulov, A. 9—95711
Smith, W.E. *see* Morris, J.H. 9—66030
Smith, W.H. *see* Clark, A.R. 9—75779
Smith, W.H. *see* Gelfand, J. 9—94033
Smith, W.J. *see* Close, D.A. 9—85692
Smith, W.L., Platt, C.M.R. Comparison of satellite-deduced cloud heights with indications from radiosonde and ground-based laser measurements 9—88444
Smith, W.M. A stability analysis of the finite, uniformly rotating, gaseous disk 9—88732
Smith, W.M., Ideker, R.E., Harrison, L., Klein, G.J., Kasell, J., Wallace, A.G., Gallagher, J.J. Epicardial mapping of the onset of ventricular arrhythmias by digital computer 9—70672
Smith, W.M.R., Awojobi, A.O. Factors in the design of ultrasonic probes 9—68540
Smith, W.R. *see* Barnes, J.C. 9—51081
Smith, W.R. *see* Henderson, D. 9—60912
Smith, W.R. *see* Nezbeda, I. 9—50970, 9—72980
Smith, W.R., Jr. *see* Barnoski, M.K. 9—50445, 9—72720
Smith Jordan, L., Hardy, J.C., Morris, H.L. Performance of children with good and poor articulation on tasks of tongue placement 9—57670
Smith-Magowan, D., Goldberg, R.N. A bibliography of sources of experimental data leading to thermal properties of binary aqueous electrolyte solutions 9—100429
Smither, R.K. *see* Haas, B. 9—71783
Smithgall, D.H. On the control of the fiber drawing process 9—50468
Smithgall, D.H. Application of optimization theory to the control of the optical fiber drawing process 9—90039
Smithson, P.A., Baldwin, H. Wind chill in lowland Britain 9—66782
Smithson, T.L. *see* Duckett, J.A. 9—76427
Smits, A.J., Eaton, J.A., Bradshaw, P. The response of a turbulent boundary layer to lateral divergence 9—90236
Smits, A.J., Perry, A.E. Optimization of LDV geometry 9—64268
Smits, A.J., Young, S.T.B., Bradshaw, P. The effect of short regions of high surface curvature on turbulent boundary layers 9—90235
Smits, A.J. *see* Perry, A.E. 9—50825
Smits, R. Study of the relation between mixed aqueous-organic solvent structure, solvation, and the cation exchange behaviour of simple metal ions in these mixtures 9—83500
Smits, R.G. *see* Green, M.A. 9—54219
Smits, R.M.M., Prins, M. The electron energy distribution function in medium pressure inert gas discharges 9—50911
Smits, R.M.M., Prins, M. Model calculations on the positive column of a medium pressure inert gas discharge 9—50912
Smok, J.T. *see* Nash, J.M. *(editor)* 9—83635
Smokotin, E.M. *see* Petrakovskii, G.A. 9—87300
Smolarksi, A.Z. *see* Kielbasa, J. 9—68825
Smolarski, A.Z. *see* Kielbasa, J. 9—68879
Smolders, C.A. *see* Roesink, H.D.W. 9—89047
Smolders, J.W.T. *see* Aertsen, A.M.H.J. 9—66475
Smolej, V. *see* Pejovnik, S. 9—95959
Smolenskii, G.A. *see* Bokov, V.A. 9—61194
Smolentsev, V.I. Method of determining the stress-intensity coefficient at the moment of start of a crack 9—87711
Smolin, A.P. *see* Ermokhin, F.K. 9—87792
Smolin, L. *see* Dell, J. 9—58896
Smolin, Yu.I., Shepelev, Yu.F., Domanskii, A.I., Majling, J. A new type of phosphate radical P_5O_{16} in the $Na_3Mg_2P_5O_{16}$ crystal 9—94978
Smolin, Yu.I., Shepelev, Yu.F., Pomes, R., Hoebbel, D., Wieker, W. Determination of the crystal structure of tetramethylammonium silicate $8[N(CH_3)_4]Si_8O_{20}.64.8H_2O$ at t=—100°C 9—94996
Smolinski, A. Technical maturity of optical fibres 9—76857
Smolinski, J., Climenhaga, J.L., Funakawa, H., Fletcher, M. HR 8752=HD 217476 9—80308
Smolinsky, G., Flamm, D.L. The plasma oxidation of CF_4 in a tubular-alumina fast-flow reactor 9—96297
Smolka, F.M., Caudell, T.P. A non-contact method for surface profile measurement and angular deflection monitoring using a scanning laser beam 9—85125
Smolka, F.M. *see* Caudell, T.P. 9—74788
Smol'nikov, B.A. Motion of a solid body under the influence of orthogonal moments 9—80423
Smolovich, A.M. *see* Serov, O.B. 9—59658
Smol'skiy, B.M., Bogachev, V.S. Heat and mass transfer in the case of removal of the condensing component from binary gas mixtures by suction through the porous walls of the channel 9—98787
Smol'skiy, B.M., Chekhol'skiy, A.S. Investigation of heat and mass transfer in condensation of water vapor from moist air in curved channels 9—90251
Smoluchowski, R. The ring systems of Jupiter, Saturn and Uranus 9—84737
Smoluchrowski, R. Planetary rings 9—101096
Smolya, A.V. *see* Morozova, L.P. 9—61545
Smolyak, E.L. *see* Gorbachev, S.F. 9—93226
Smol'yakov, A.V. *see* Vdovin, A.V. 9—68685
Smolyakov, B.P., Khaimovich, E.P. Polarization echo and induction signals excited by pulses of various duration 9—61298
Smolyakov, B.P., Khaimovich, E.P. Microwave tunnel echo in glasses 9—65726
Smolyaninov, V.V. Theory of kinetic schemes. I. Integral method 9—53064
Smolyar, A.N. *see* Brodovoi, V.A. 9—73553, 9—95456
Smolyar, T.Ya. *see* Volkova, G.A. 9—64299, 9—94767
Smondyrev, M.A. Experimental testing of Weinberg-Salam model 9—97564
Smoot, B.J. *see* Kim, K. 9—49833
Smoot, F., Ragan, S., Burkett, A.R. A demonstration of the relationship between rate constants and equilibrium constants 9—58501
Smoot, L.D. *see* Tice, C.L. 9—50762
Smorgon, O.A. *see* Shpenzer, N.P. 9—66358
Smorodin, V.E. *see* Tovbin, M.V. 9—51395
Smorodin, Yu.A. *see* Baiburina, S.G. 9—80156, 9—80170
Smorodin, Yu.A. *see* Baradzei, L.T. 9—80159
Smorodinov, V.A. *see* Mirkotan, S.F. 9—53615, 9—75038

Smorodinskii, Ya.A. Universal generating function for Clebsch-Gordan (C-G) coefficients 9—67188
Smorodinskii, Ya.A. *see* Naida, O.N. 9—62944
Smotrakov, V.G., Raevskii, I.P., Malitskaya, M.A., Prokopalo, O.I., Tsikhotskii, E.S., Fesenko, E.G. Growth and investigation of bladed $KNbO_3$ crystals 9—100041
Smotrakov, V.G. *see* Zaitsev, S.M. 9—65060
Smrcek, A., Novakova, G. The dissolution kinetics of refractories in glass melt 9—70196
Smrcka, L., Streda, P., Svoboda, P. The Squid picovoltmeter operating in magnetic fields up to 3.2 T 9—58698
Smrcka, L. *see* Streda, P. 9—60855
Smriglio, F. *see* Nandy, K. 9—88658
Smulek, W., Bedarczyk, L., Goroncek, K. Potentiometric and mass spectrometric determination of uranium in the UO_2-Mg reactor fuel 9—97811
Smullin, L.D. *see* Bromberg, L. 9—77434, 9—77435
Smurugov, V.A. *see* Belyi, V.A. 9—78688
Smushkovich, B.L., Shvedkov, Yu.A., Bogatenin, V.N., Kubshinov, V.A. Automation of standard testing of sheet material for cupping 9—57172
Smy, P.R. *see* Clements, R.M. 9—63297
Smy, P.R. *see* Milinazzo, F. 9—77184
Smykov, I.T. *see* Frolov, N.S. 9—97353
Smyslov, E.F., Mirkin, L.I. Structural changes occurring in molybdenum powder subjected to the action of high-power pulses 9—70018
Smyth, K.C., Bentz, B.L., Bruhn, C.G., Harrison, W.W. The role of Penning ionization of the minor species in a neon hollow cathode discharge 9—86633
Smyth, M. Batteries applying the brakes [electric cars] 9—66405
Smyth, R.R. *see* Saari, D.P. 9—52949
Smyth, W.R., Marten, B.E., Ryan, A.B. A major Aphebian-Helikian unconformity within the Central Mineral Belt of Labrador: definition of new groups and metallogenic implications 9—84249
Smythe, D.L., Ralston, R.W., Stern, E. A SAW/CCD accumulating correlator 9—72757
Smythe, L.E. *see* Garnys, V.P. 9—79322
Smythe, R.C. *see* Tierstein, H.F. 9—81673
Smythe, W.D., Nelson, R.M., Nash, D.B. Spectral evidence for SO_2 frost or absorbate on Io's surface 9—92708
Snaith, J.E. *see* Higginson, G.R. 9—74697
Snakowska, A. Impedance of the unbaffled cylindrical pipe outlet for the plane wave incident at the outlet 9—55256
Snape, G.R. *see* Hill, D.G. 9—71744
Snapp, W.P. *see* Williams, J.J. 9—53220
Sneath, P.H.A. Numerical taxonomy and automated identification: some implications for geology 9—84494
Sneath, P.H.A. *see* Feltham, R.K.A. 9—70331
Sneddon, I.N. A note on the Boussinesq problem for a flat-ended cylinder with elliptical cross-section 9—68663
Sneddon, L. *see* Green, M.B. 9—73657
Sneden, C. *see* Grasdalen, G.L. 9—84796
Snegov, M.I. *see* Aristov, A.V. 9—56836
Snegov, M.I. *see* Shevandin, V.S. 9—64055
Snell, A.H. *see* Fulmer, C.B. 9—93657
Snell, A.H. *see* Gomez del Campo, J. 9—67771, 9—71873
Snell, A.H. *see* Shapira, D. 9—76250
Snell, A.H. *see* Stokstad, R.G. 9—93656
Snell, B. *see* Adams, R. 9—49359
Snellgrove, T.R. *see* Denning, R.G. 9—69853, 9—73476
Snelling, D.R. *see* Arnold, S.J. 9—76699
Snellman, H. *see* Bergstrom, L. 9—49522
Sneyd, A.D. Fluid flow induced by a rapidly alternating or rotating magnetic field 9—64785
Sneyers, R. The weather in 1977 [Belgium] 9—58049
Sneyers, R. Homogeneity and stability of meteorological elements at Uccle (Belgium) 9—74941
Sneyers, R. *see* Dupriez, G.L. 9—66723
Snezhkin, E.N. *see* Anitpov, S.V. 9—77381
Snezhko, L.I. *see* Kopylov, I.M. 9—97011
Snezhnoi, V.L. *see* Zolotarevskii, I.V. 9—82850, 9—97407
Sniatycki, J. On Hamiltonian dynamics of particles with gauge degrees of freedom 9—75330
Snider, D.M. The thermal-hydraulic phenomena resulting in early critical heat flux and rewet in the semiscale core 9—81005
Snider, D.R. *see* Papastamatiou, N.J. 9—93317
Snider, G.L. *see* Lucey, E.C. 9—88101
Snider, R.F. *see* Berman, D.H. 9—98850
Snidow, N.L. *see* Broadwater, R.P. 9—71931
Snieder, J. *see* Keizer, W.P.M.N. 9—80000
Snigirev, O.V. *see* Ivanov, Z.G. 9—60990
Snijder, J. *see* Lightenberg, H.C. 9—91143
Snijders, M.A.J. *see* Leckrone, D.S. 9—80313
Snir, J., Nemenoff, R.A., Scheraga, H.A. A revised empirical potential for conformational, intermolecular, and solvation studies. I. Evaluation of problem and description of model 9—50102
Snir, J., Nemenoff, R.A., Scheraga, H.A. A revised empirical potential for conformational, intermolecular, and solvation studies. V. Development and testing of parmeters for amides, amino acids, and peptides 9—54935
Snir, J. *see* Nemenoff, R.A. 9—50103, 9—54933, 9—54934
Snisar, V.A. *see* Mashkova, E.S. 9—87551
Snitko, O.V. *see* Antoshchuk, V.V. 9—73544
Snitko, O.V. *see* Milenin, V.V. 9—91124
Snoeck, M., Goldflam, S. Crustal structures of the Reykjanes Ridge at 63°N derived from seismic measurements 9—66661
Snook, I., van Megen, W. Structure of dense liquids at solid interfaces 9—65310
Snook, I. *see* Gaylor, K. 9—74427
Snopko, V.N. *see* Dlugunovich, V.A. 9—55911
Snover, K.A., Ikossi, P.G., Trainor, T.A. Observation of magnetic dipole strength in ^{16}O 9—80898
Snow, D.B. The recrystallization of commercially pure and doped tungsten wire drawn to high strain 9—100165
Snow, J.T. On inertial instability as related to the multiple-vortex phenomenon 9—53454
Snow, T.P., Jr., Peters, G.J., Mathieu, R.D. A survey of ultraviolet circumstellar absorption lines in the spectra of early Be and shell stars 9—62832
Snow, T.P., Jr. *see* Cash, W. 9—101160
Snowden, J. *see* Smith, G. 9—58136
Snowdon, C. *see* Redhead, R.G. 9—74787
Snowdon, K.J. A fundamental analysis of the validity of thermodynamic models of ionized and excited particle production during sputtering 9—52062
Snowdon, K.J., Andresen, B., Veje, E. An evaluation of the methods of determining excited state population distributions from sputtering sources 9—52063
Snowdon, K.J., Barber, C.H. Simple accelerator beam position monitor 9—89040
Snowdon, S. *see* Gannon, J.C. 9—72139
Snowdon, S.C. Stress analysis for warm iron superconducting dipoles 9—68041
Snrech, D. *see* Delisle, J.P. 9—97871
Snyder, A. *see* Barish, S.J. 9—71742
Snyder, A. *see* De Clercq, C. 9—89188
Snyder, A.W., Sammut, R.A. Dispersion in graded single-mode fibres 9—59810
Snyder, D.A. *see* Anderson, W.G. 9—49740
Snyder, D.B. *see* Larson, L.A. 9—78856
Snyder, H.D. *see* Jostlein, H. 9—89310
Snyder, J. *see* Jonckheere, A. 9—63527
Snyder, L.C., Weber, T.A. Deviations from bond additivity in Compton profiles: The relation to strain energy in hydrocarbons 9—81240
Snyder, L.R. *see* Karger, B.L. 9—74449
Snyder, R.G. *see* Scherer, J.R. 9—95373
Snyder, R.L. *see* Croft, T.D. 9—70023
Snyder, S.L., Eklund, S.K. Radiation-induced alterations in the distribution of lysosomal hydrolases in rat spleen homogenates 9—88132
Snyder, W.S. *see* Dickinson, W.R. 9—57904
Snyder, W.S. *see* Ford, M.R. 9—70640
Snydsman, W.E. *see* Lewis, B.T.R. 9—88337
Snykov, V.P., Tret'yakov, N.D. Photosensor with logarithmic transfer characteristic 9—93215
Snyman, H.C. *see* Auret, F.D. 9—73416
Snyman, H.C. *see* Engelbrecht, J.A.A. 9—73415, 9—99433
So, B.Y.C. *see* Gross, K.C. 9—59221
So, E. *see* Duke, C.B. 9—86967
So, E. *see* Lee, B.W. 9—82661
So, E. *see* Meyer, R.J. 9—77462
So, S.P. Normal coordinate analysis of OsO_3F_2 in the Urey-Bradley force field 9—49966
So, S.P. Structures and bonding of ArHF and ArHO 9—76339
So, V.C.Y., Normandin, R., Stegeman, G.I. Field analysis of harmonic generation in thin-film integrated optics 9—98509
So, V.C.Y. *see* Fukui, M. 9—82657, 9—95460
So, V.C.Y. *see* Teh, G.A. 9—50442
So, V.C.-Y. *see* Fukui, M. 9—87517
So, V.C-Y. *see* Normandin, R. 9—98508
So Le Van *see* Le Van So
So Suk Ping *see* Suk Ping So
So-Young Pi, Jaffe, R.L. Azimuthal correlations in the hadronic decay of heavy-quark-antiquark bound states produced by e^+e^- colliding beams 9—93442
Soares, C.G., Ehrlich, M. Concerning $Li_2B_4O_7$ thermoluminescence dosimeters 9—81094
Soares, C.G. *see* Ehrlich, M. 9—62341
Soares, C.G. *see* Thompson, D.L. 9—62367
Soares, E.A. *see* Engelsberg, M. 9—73838
Sob, M. *see* Cizek, A. 9—52040
Sobajima, M. *see* Tasaka, K. 9—81028
Sobashnikov, A.D. *see* Kos'kin, Yu.P. 9—67352
Sobaszek, A. Discrete random walk and the differential equations for transport in two or more dimensions 9—85073
Sobczak, E., Persy, K. XPS intensity ratios for Fe, Ni, Pd and Cd metals 9—100018
Sobczak, E. *see* Lawniczak, K. 9—56887
Sobczak, R., Rogl, P. Magnetic behavior of new ternary metal borides with $YCrB_4$-type structure 9—61041
Sobczak, T. *see* Braun, H. 9—58969
Sobczyk, L. *see* Czapla, Z. 9—51916
Sobczyk, L. *see* Poprawski, R. 9—78637
Sobecka, E. *see* Zidek, A. 9—79002
Sobeikh, M.A. *see* Abdullaev, G.B. 9—73580
Sobel, H.W. *see* Pasierb, E. 9—80828
Sobel, M.I. *see* Samaddar, S.K. 9—49635
Sobel, P.A., von Seggern, D.H. Applications of surface-wave ray tracing 9—66630
Sobelman, G.E. Asymptotic estimates and Borel resummation for a doubly anharmonic oscillator 9—85002
Sobel'man, I.I. *see* Ageev, V.P. 9—94221
Sobenin, N.P. *see* Vikulov, V.F. 9—72030
Sober, D.I., Briscoe, W.J., Burt, P.E., Crannell, H., O'Brien, J.T., Stapor, W.J. Absorption in flight of positive pions in carbon 9—85494
Sober, D.I. *see* Nefkens, B.M.K. 9—85323
Sober, R.F. The atmospheric contribution of phosphorus to an aquatic system 9—100545
Sobinyakov, V.A. *see* Somogy, A. 9—80173
Sobko, A.I. *see* Bessonova, T.S. 9—56820
Sobol', E.N. *see* Lyubov, B.Ya. 9—74091
Sobol', I.M. *see* Pozdnyakov, L.A. 9—66916, 9—80372
Sobolenko, D.N. *see* Bobrovskii, A.N. 9—68386
Sobolenko, D.N. *see* Mishchenko, V.A. 9—94293
Sobolenko, D.N. *see* Mylnikov, G.D. 9—86182
Sobolev, A.G. *see* Gracheva, G.G. 9—55240
Sobolev, A.G. *see* Kompanets, I.N. 9—99585
Sobolev, A.N. *see* Chetkina, L.A. 9—86783
Sobolev, A.S. *see* Dubrovkin, I.M. 9—87901
Sobolev, A.T. *see* Avaeva, I.G. 9—78623
Sobolev, A.T. *see* Kopylov, Yu.L. 9—82952
Sobolev, B.P., Seiranian, K.B., Garashina, L.S., Fedorov, P.P. Phase diagrams of the SrF_2-$(Y,Ln)F_3$ systems. I. X-ray characteristics of phases 9—61570
Sobolev, B.P. *see* Svantner, M. 9—100119
Sobolev, B.V., Bochkov, B.G., Bondarenko, V.S., Val'kov, V.Yu., Dukovskii, G.V. Noncollinear interaction of acoustic waves with an electric field 9—69566
Sobolev, E.V. *see* Romanchenko, V.I. 9—57118
Sobolev, E.V. *see* Shcherbakova, M.Ya. 9—51842
Sobolev, G.A. *see* Serov, O.B. 9—59658
Sobolev, N.N. *see* Avtonomov, V.P. 9—59687
Sobolev, N.N. *see* Gordiets, B.F. 9—89935
Sobolev, N.N. *see* Kitaeva, V.F. 9—55113
Sobolev, S.S. *see* Lukashevich, I.I. 9—82412
Sobolev, V. *see* Seminoshenko, V.P. 9—87248
Sobolev, V.A. *see* Zhukauskas, A.A. 9—81973
Sobolev, V.D. *see* Barer, S.S. 9—55913, 9—56037
Sobolev, V.F. *see* Bayunov, V.I. 9—77425
Sobolev, V.F. *see* Lakutin, V.A. 9—50896, 9—64946
Sobolev, V.I., Esel'son, B.N., Nosovitskaya, O.S., Pogorelov, L.A. Normal density of ^3He-^4He mixtures at elevated pressures 9—90841
Sobolev, V.L. Improvement of method for rapid evaluation of fatigue strengths during testing with stepwise load changes 9—52489
Sobolev, V.L. Ground states and spin-wave spectra of hexagonal antiferromagnets 9—87246
Sobolev, V.P., Savchenko, M.A., Preobrazhenskii, V.L. Phonon relaxation in antiferromagnets with dislocations 9—69216
Sobolev, V.S. *see* Dubnishchev, Yu.N. 9—77305
Sobolev, V.S. *see* Kuznetsov, E.A. 9—98692
Sobolev, V.V., Alekseeva, S.A., Gorenberg, V.L. Parameters of excitons in gallium arsenide 9—73448
Sobolev, V.V., Kroitoru, S.G., Sokolov, E.B., Chegnov, V.P. Reflection spectra of BN, AlN, and GaN films 9—99967
Sobolev, V.V. *see* Nechaev, Yu.R. 9—83357
Sobolev, Yu.A. *see* Arinkin, F.M. 9—97835
Sobolev, Ya.M. Power-law electron and ion distributions in a strong magnetic field 9—96908
Soboleva, L.V. *see* Dmitriev, V.P. 9—56800
Soboleva, L.V. *see* Ivanov, N.R. 9—55887
Soboleva, T.K. *see* Azarova, O.N. 9—98923
Soboleva, T.K. *see* Bar'yakhtar, V.G. 9—69744
Sobolevskiy, A.S. *see* Pokryvaylo, N.A. 9—77084, 9—94746
Sobolik, V. Film flow of an ideal plastic material along an oscillating wall 9—81927
Sobotka, J. Relationship between the stationary creep rate and the time to rupture in the creep of low-alloy steels 9—70165
Sobotka, L.G., Mathews, G.J., Moretto, L.G. A theoretical investigation of shell effects in deep inelastic collisions 9—97726
Sobotka, L.G. *see* Mathews, G.J. 9—54455
Sobotta, G. Discussion of random Heisenberg models in a cluster approximation 9—82807
Sobotta, G., Wagner, D. Comment on the statistical mechanics of quenched random systems 9—63155
Sobotta, H. *see* Neumann, H. 9—95296
Sobotta, H. *see* Riede, V. 9—82974
Sobtsov, N.V. The regression problem in ambiguous measurements 9—88903
Sobur, A.S., Chambers, M.J., Chambers, R., Damopolii, J., Hadi, S., Hanson, A.J. Remote sensing applications in the southeast Sumatra coastal environment 9—53556
Sobyanin, V.A. *see* Gorodetskii, V.V. 9—52774
Sochanski, J.S. *see* Brostow, W. 9—64128

Sochava, I.V., Smirnova, O.I., Barynin, V.V. Calorimetric investigation of heat of denaturation and aggregation of catalase in solution and in crystal form 9—70526
Sochava, I.V. *see* Belopol'skaya, T.V. 9—53022
Sochava, L.S. *see* Vikhnin, V.S. 9—69714
Sochel'nikov, V.V. Electromagnetic field of a current of finite width 9—53351
Sochel'nikov, V.V. Electromagnetic field of a wide current for an arbitrary direction of the permanent magnetic field 9—57946
Sochel'nikov, V.V., Chzhu, R.N. Contribution to the method of marine gradient magnetic sounding 9—62598
Sochel'nikov, V.V., Chzhu, R.N. Method of gradient magnetotelluric marine sounding 9—62599
Sochnev, V.G. *see* Kondrat'ev, Yu.M. 9—62632
Socie, D.F., Morrow, J., Wen-Ching Chen A procedure for estimating the total fatigue life of notched and cracked members 9—77015
Socino, G. *see* Adamou, A. 9—86279
Socio, L.M.de *see* de Socio, L.M.
Socker, D.G. *see* Woodgate, B.E. 9—53875
Soda, K., Itoh, N. Creation of luminescent singlet self-trapped excitons from highly excited states of triplet self-trapped excitons in NaCl 9—99936
Soda, K. *see* Tasaka, K. 9—81028
Soda, K. *see* Wada, A. 9—60086
Sodan, H. *see* Kalpakchieva, R. 9—93673
Sodd, V.J. *see* Feller, P.A. 9—70647
Sodd, V.J. *see* Williams, C.C. 9—96663
Sodeau, J.R. *see* Molina, L.T. 9—50070
Soderblom, L.A. *see* Johnson, T.V. 9—92702
Soderblom, L.A. *see* McCauley, J.F. 9—92699
Soderblom, L.A. *see* Masursky, H. 9—92696
Soderholm, S.C. Analysis of diffusion battery data 9—92010
Soderstrom, K. *see* Ingelman, G. 9—97947
Soderstrom, O., Davidovic, M., Dahlborg, U., Larsson, K.E. Dynamic scattering functions for liquid lead at 350 and 600°C 9—50983
Sodha, M.S., Goyal, I.C., Kaushik, S.C., Tiwari, G.N., Seth, A.K., Malik, M.A.S. Periodic heat transfer with temperature dependent thermal conductivity 9—59980
Sodha, M.S., Gupta, B.K., Sharma, R.P. Effect of diffusion on electron density across the nonequilibrium MHD channel 9—68959
Sodha, M.S., Kaushik, S.C., Sharma, R.P., Govind Temporal growth of filamentation instability of a Gaussian laser beam in a plasma 9—50865
Sodha, M.S., Maheshwari, K.P., Sharma, R.P., Kaushik, S.C. Resonant excitation of the upper hybrid wave by two EM beams 9—77384
Sodha, M.S., Nayak, J.K., Kaushik, S.C., Sabberwal, S.P., Malik, M.A.S. Performance of a collector/storage solar water heater 9—70432
Sodha, M.S., Patheja, B.L., Sharma, R.P. Excitation of a plasma wave by a right-handed Gaussian EM beam 9—55495
Sodha, M.S., Sharma, J.K., Kumar, S., Tripathi, V.K. Anomalous penetration of laser radiation in an over dense magnetoplasma 9—77386
Sodha, M.S., Sharma, R.R. Stimulated Brillouin scattering of helicon waves in a semiconductor 9—99571
Sodha, M.S., Singh, D.P., Sharma, R.P. Transient setting of ponderomotive nonlinearity, self-focusing, and plasma-wave excitation 9—77387
Sodha, M.S., Sinha, S.K., Sharma, R.P. The self-focusing of laser beams in magnetoplasmas: the moment theory approach 9—77390
Sodha, M.S., Tewari, D.P., Patheja, B.L., Sharma, R.P. Excitation of an upper hybrid wave by a Gaussian electromagnetic beam in ordinary mode 9—60149
Sodha, M.S., Umesh, G., Sharma, R.P. Enhanced Raman scattering of a Gaussian laser beam from a plasma 9—86566
Sodha, M.S., Umesh, G., Sharma, R.P. Enhanced Brillouin scattering of a Gaussian laser beam from a plasma 9—94799
Sodha, M.S., Umesh, G., Thyagarajan, K., Pal, B.P., Ghatak, A.K. Performance of solar concentrators: a theoretical study 9—62117
Sodha, M.S. *see* Malik, M.A.S. 9—57371, 9—62144
Sodha, M.S. *see* Subbarao, D. 9—94304
Sodha Govind, M.S., Tewari, D.P., Sharma, R.P., Kaushik, S.C. Excitation of a plasma wave by two coaxial Gaussian EM beams 9—55511
Sodicoff, M., Conger, A.D., Trepper, P., Pratt, N.E. Short-term radioprotective effects of WR-2721 on the rat parotid glands 9—92300
Sodin, L.G. *see* Bruck, Y.M. 9—98306
Soding, P. *see* Brandelik, R. 9—63491, 9—93441
Sodre, L., Jr. *see* De Freitas Pacheco, J.A. 9—53816
Soeda, T. *see* Sawaragi, Y. 9—57535
Soedel, W. *see* Singh, R. 9—80447
Soeno, K. *see* Onuki, J. 9—96059
Soep, B., Tramer, A. Fluorescence of Glyoxal in supersonic jets 9—81223
Soep, B. *see* Campargue, R. 9—81224
Soep, B. *see* Monts, D.L. 9—98146
Soerensen, O.H., Pedersen, N.F., Mygind, J., Dueholm, B. Parametric amplification of RF-induced steps in a Josephson tunnel junction 9—78266
Soerensen, O.H. *see* Bindslev Hansen, J. 9—91186
Soerensen, O.H. *see* Mygind, J. 9—56439, 9—95547
Soerensen, O.H. *see* Pedersen, N.F. 9—65610
Soetens, F. The influence of the stress-strain diagram on the behaviour of steel structures 9—87703
Soeya, T. *see* Morimoto, J. 9—78165
Soff, G., Greiner, W., Betz, W., Nuller, B. Electrons in superheavy quasimolecules 9—89817
Soffel, H. Reinterpretation of palaeomagnetism of the Colli Euganei and Monti Lessini (Italy) 9—66614
Soffer, B.H. *see* Armand, A. 9—76868
Soffer, J., Taxil, P. Testing spin properties of constituents from massive lepton pair production 9—89201
Soffer, J. *see* Bourrely, C. 9—89178
Soffer, J. *see* Preparata, G. 9—97598
Soffge, F., Stierstadt, K. Stress-induced crossover phenomena in nickel above its Curie point 9—61113
Soffge, F. *see* Sokoloff, J.B. 9—78350
Sofi, G.Q., Ahmad, M. SU(8) symmetry and the baryon mass spectrum 9—80814
Sofia, K. *see* Singh, B. 9—67649
Sofia, S., O'Keefe, J., Lesh, J.R., Endal, A.S. Solar constant: constraints on possible variations derived from solar diameter measurements 9—84767
Sofia, S. *see* Endal, A.S. 9—96991
Sofia, S. *see* Gull, T.R. 9—71088
Sofianos, S., Fiedeldey, H., McGurk, N.J. Energy-dependent pole approximations in the four-body equations 9—71801
Sofue, Y. Simulation of old supernova remnants by magnetohydrodynamic wave fronts 9—53885
Sofue, Y., Reich, W., Berkhuijsen, E.M. Radio continuum observations of the SNR G65.2+5.7 at 1420 MHz 9—53886
Soga, F. *see* Karwowski, H.J. 9—76019
Soga, F. *see* Pile, P.H. 9—63667
Soga, N., Okamoto, T., Hanada, T., Kunugi, M. Chemical reaction between water vapor and stressed glass 9—91819
Soga, N. *see* Hirao, K. 9—65774
Sogami, I., Nishimoto, S. Elastic-scattering amplitudes between binary confined systems of quark and antiquark 9—97576
Sogami, S. *see* Yamada, T. 9—61702
Sogard, M. *see* Deutsch, D.G. 9—100566
Soglasnov, V.A. *see* Kardashev, N.S. 9—62862
Sogo, K. *see* Suzuki, M. 9—63088
Sogomonian, S.B. *see* Gyuzalian, R.N. 9—59758
Sogor, M. *see* Ban, G. 9—100688
Sohda, N. *see* Hikita, H. 9—94698
Sohl, C.H., Miyano, K. Surface-wave propagation on isotropic liquids: A study of two-mode structure 9—98741
Sohma, J. *see* Matsuki, K. 9—91286
Sohma, J. *see* Murakami, K. 9—78551
Sohmura, T., Fujita, F.E. The effect of hydrogen on the properties of Invar alloys 9—56641
Sohn, H.Y. Author's reply ['The law of additive reaction times in fluid-solid reactions] 9—83453
Sohn, H.Y., Hills, A.W.D. Discussion of 'The importance of convective mass transfer in the reduction of hematite' [and reply] 9—52769
Sohn, H.Y. *see* Padilla, R. 9—61901
Sohnel, O. Surface tension of soluble inorganic salts, from crystallization measurements 9—69045
Sohrabi, M. A new dual response albedo neutron personnel dosimeter 9—93885
Sohrabi, M., Morgan, K.Z. Neutron dosimetry in high energy X-ray beams of medical accelerators 9—83942
Sohrabpour, M., Bull, S.R. Elemental sensitivity data modeling for in situ neutron capture gamma-ray experiments 9—61928
Sohrabpour, S. *see* Ahmadi, G. 9—76982, 9—94504
Soichenkov, A.F. *see* Zaev, P.N. 9—80610
Soicher, H. Correlation and prediction of transionospheric signal time delays at widely separated locations 9—58186
Soicher, H. *see* Yeh, K.C. 9—88524
Soicher, H. *(editor)* AGARD conference proceedings no.238. Operational modelling of the aerospace propagation environment 9—53651
Soifer, B.T., Puetter, R.C., Russell, R.W., Willner, S.P., Harvey, P.M., Gillett, F.C. The 4-8 micron spectrum of the infrared source W33 A 9—101181
Soifer, B.T. *see* Pipher, J.L. 9—62889
Soifer, G.B. *see* Kjuntsel, I.A. 9—78564
Soifer, V.A. *see* Pshenichnikov, V.V. 9—80589
Soin, R.S., Murali Prasad, I., Rao, D.P., Rao, K.S. Development and performance of solar water pumps 9—70441
Soin, R.S., Sangameswar Rao, K., Rao, D.P., Rao, K.S. Performance of flat plate solar collector with fluid undergoing phase change 9—62052
Soin, R.S. *see* Rao, D.P. 9—70440
Soini, J.K. *see* Ehnholm, G.J. 9—78538
Soininen, J. *see* Merisalo, M. 9—94953
Sointzev, V.M. *see* Kozhina, I.I. 9—95188
Sojka, B.Z. *see* Watkins, W.R. 9—63992, 9—80010
Sojka, J.J. *see* Wrenn, G.L. 9—70933
Sojka, L. *see* Szymura, S. 9—61626, 9—79129
Sojka, M. *see* Bialas-Borgiel, K. 9—51877
Sokal, A.D. A rigorous inequality for the specific heat of an Ising or ϕ^4 ferromagnet 9—78413
Sokalski, K. Linear Ising chain in the molecular field 9—61027
Sokcevic, D., Sunjic, M. Dispersion and lifetime effects on the strengths of intrinsic plasmon satellites in XPS 9—56151
Sokcevic, D., Sunjic, M., Fadley, C.S. Strengths of intrinsic plasmon satellites in XPS from adsorbates; dispersion and lifetime effects 9—61493
Sokhadze, V.M. *see* Mrevlishvili, G.M. 9—79448
Sokhina, E.I. *see* Starodubtsev, Yu.N. 9—91709
Sokhoreva, V.V. *see* Chernov, I.P. 9—65113
Sokhranov, N.N., Ragimov, N.A., Sarkisov, Yu.A., Gruzinov, V.A. Transmission of well logging information in a system of express log analysis 9—62625
Sokhranov, N.N. *see* Gruzinov, V.A. 9—84538
Sokoi, A.A. *see* Kosevich, V.M. 9—94982
Sokol, G.A. Modern state-of-the-art in experimental research on hypernuclei 9—75890
Sokol, V.A., Rokhlenko, D.A., Kononova, L.I., Zavorueva, R.S., Bromberg, A.V. Feasibility of the use of commercial ZnSe for optical ceramic manufacture 9—87598
Sokolenko, V.I. *see* Gindin, I.A. 9—74199
Sokolik, H. Geometrical description of fields 9—67462
Sokolina, E.A. *see* Maslennikova, G.N. 9—61756
Sokolkin, Yu.V. *see* Leont'ev, V.A. 9—96260
Sokoll, R. Investigation of structural modifications on surfaces of monocrystals of quartz by means of a computer program 9—95251
Sokoloff, J. *see* Darewych, J.W. 9—58573
Sokoloff, J.B., Perry, C.H., Lowde, R.D., Soffge, F., Wagner, V., Wiltshire, M.C.K. Polarized neutron measurement of 'forbidden magnon scattering' in nickel 9—78350
Sokoloff, J.B., Widom, A. Theory of one-dimensional ionic and solitary wave conduction in potassium hollandite 9—86924
Sokolov, A.A., Galtsov, D.V., Petukhov, V.I. Multipole expansion of synchrotron radiation 9—50199
Sokolov, A.A. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821
Sokolov, A.I. Critical fluctuation in liquid He^3: stabilization of the Anderson-Morel phase 9—73368
Sokolov, A.I. *see* Kon'kov, A.A. 9—64695
Sokolov, A.M. *see* Mikhailov, V.F. 9—82316
Sokolov, A.V. *see* Babeiko, Yu.A. 9—59690
Sokolov, A.V. *see* Baskakov, A.P. 9—86508
Sokolov, B.B. *see* Levin, O.A. 9—50681
Sokolov, D.D. *see* Ruzmaikin, A.A. 9—58430
Sokolov, E.A. *see* Pranch, A.S. 9—55812
Sokolov, E.B. *see* Dement'ev, Yu.S. 9—95933
Sokolov, E.B. *see* Sobolev, V.V. 9—99967
Sokolov, E.I. Flow in a shock layer ahead of a barrier perpendicular to the axis of a supersonic unexpanded jet 9—64723
Sokolov, E.I. Parameters of flow near the axis in the shock layer in the interaction of a supersonic jet with a barrier 9—90282
Sokolov, G.L. *see* Kravtsov, A.V. 9—76026
Sokolov, I.A. *see* Gur'yan, Yu.A. 9—97480
Sokolov, I.A. *see* Mazets, E.P. 9—58449, 9—88765, 9—88766
Sokolov, K.N. *see* Shumilov, M.A. 9—57081
Sokolov, K.P. *see* Braude, S.Ya. 9—97091, 9—97092
Sokolov, L.A. *see* Borisov, V.T. 9—70056
Sokolov, L.D., Pichkov, S.N. Mechanisms for plastic strain in alloyed steels during strain ageing 9—52300
Sokolov, L.D. *see* Gagarin, Yu.A. 9—57078
Sokolov, L.L. *see* Antonov, V.A. 9—62732
Sokolov, L.N. *see* Kats, Ya.L. 9—51202
Sokolov, M.N., Klimusheva, G.V., Priyutov, M.V., Sverdlov, L.M., Soroka, G.M. Experimental and theoretical investigations of the electron-vibration spectra of benzene p-dihalogen derivatives 9—89686
Sokolov, N.A. *see* Strekalov, P.V. 9—52512
Sokolov, N.D. *see* Librovich, N.B. 9—73916
Sokolov, N.V. *see* Troitskii, O.A. 9—57002
Sokolov, O.B. *see* Gaidukova, V.S. 9—52178
Sokolov, O.B. *see* Matveev, Yu.A. 9—91560
Sokolov, S.N. Relativistic addition of direct interactions in the point form of dynamics 9—58907
Sokolov, S.N. Classical analogues of the Moeller operators, of the Pearson example and the Birmann-Kato invariance principle 9—75390
Sokolov, S.N., Shatnii, A.N. Physical equivalence of the three forms of relativistic dynamics and additions of interactions in the front and instant forms 9—97540
Sokolov, S.S. *see* Eselson, B.N. 9—55985
Sokolov, S.Ya. *see* Rokityanskii, I.I. 9—96737
Sokolov, V. *see* Debrus, S. 9—86144

Sokolov, V.A. *see* Gusev, E.A. 9−88911
Sokolov, V.A. *see* Pustogarov, A.V. 9−100229
Sokolov, V.G. *see* Emel'yanov, S.L. 9−92676
Sokolov, V.I., Gudkov, S.I., Belova, L.A., Telegon, A.I. Strength of silver solders at cryogenic temperatures 9−57064
Sokolov, V.I. *see* Fedorovich, N.A. 9−95044
Sokolov, V.K. *see* Somogy, A. 9−80173
Sokolov, V.N. *see* Mogilevskii, B.M. 9−64762
Sokolov, V.P. *see* Abdivaliev, L. 9−93568
Sokolov, V.P. *see* Zhukova, N.I. 9−54936, 9−93958
Sokolov, V.S. *see* Balankin, S.A. 9−59165
Sokolov, V.S. *see* Konradi, G.G. 9−52436
Sokolov, V.S. *see* Manokhin, A.I. 9−100090
Sokolov, V.V. *see* Konstantinov, V.L. 9−87458
Sokolov, V.V. *see* Kopylov, I.M. 9−97011
Sokolov, V.V. *see* Kutsova, V.Z. 9−56968
Sokolov, V.V. *see* Mironov, K.E. 9−78938
Sokolov, Yu.A., Galitskii, V.Yu., Ilyukhin, V.V., Maksimov, B.A., Belov, N.V. Dynamics of H_2O molecules and hydrogen bonds in sodium aluminogermanate $Na_8Al_6Ge_6O_{24}(CO_3).3H_2O$ 9−90577
Sokolov, Yu.A., Maksimov, B.A., Ilyukhin, V.V., Belov, N.V. Low-temperature investigation of the crystal structure of sodium aluminogermanate $Na_8Al_6Ge_6O_{24}(CO_3).3H_2O$ 9−90631
Sokolov, Yu.A. *see* Galitskii, V.Yu. 9−99821
Sokolov, Ye.N. *see* Vaitkevicius, H.H. 9−57648
Sokolov, Yu.N., Samplavskaya, K.K., Karapet'yants, M.Kh. Interaction in the systems TeO_2-Cr_2O_3 and TeO_2-NiO 9−83182
Sokolov, Yu.S. *see* Bolotnikov, F.S. 9−67411, 9−97461
Sokolov, Yu.V. *see* Zorchenko, V.V. 9−51693
Sokolova, E.V., Azizov, A.V., Simonov, M.A., Leonyuk, N.I., Belov, N.V. Crystal structure of synthetic ortho-3-borate $Al_5(BO_3)O_6$ 9−86775
Sokolova, I.A. *see* Egorkina, G.V. 9−74874
Sokolova, I.G. *see* Sokolovskaya, E.M. 9−52165
Sokolova, I.V., Orlovskaya, L.V. Evaluation of the role of triplet-triplet transitions in spin-orbital interaction 9−63915
Sokolova, I.V., Orlovskaya, L.V. Influence of high-lying triplet states on the radiative lifetime of the phosphorescence state of organic molecules and their complexes 9−86006
Sokolova, L.V. *see* Burakov, V.S. 9−90467
Sokolova, T.I. *see* Andreev, L.N. 9−75591
Sokolova, V.M., Dudkin, L.D., Mazur, V.A. Calculation of stable life of low-temperature thermobatteries 9−87998
Sokolova, Z.N. *see* Abakumov, V.N. 9−51597
Sokolova, Z.Ya. *see* Mazets, E.P. 9−58449, 9−88765, 9−88766
Sokolovskaya, A.I., Brekhovskikh, G.L. Dynamic holograms under stimulated scattering of light 9−89964
Sokolovskaya, E.M., Kabanov, S.V., Raevskaya, M.V., Sokolova, I.G. Phase equilibria in Mo-Ru-V system 9−52165
Sokolovskaya, E.M., Raevskaya, M.V., Fomin, G.S. Investigation into interaction between rhenium and zirconium and vanadium 9−56956
Sokolovskaya, E.M. *see* Kut'enkov, V.A. 9−66201
Sokolovskii, I.I. *see* Vintman, Z.L. 9−54189
Sokolovskii, M.V. *see* Balashov, I.F. 9−55160
Sokolovskii, R.I. *see* Averbukh, B.B. 9−98046
Sokolovskii, R.I. *see* Kosolobov, S.N. 9−59767, 9−69925
Sokolovskiy, A.A. *see* Potapov, V.T. 9−81550
Sokolovskiy, V.I. *see* Belkina, L.M. 9−53629
Sokolovskiy, V.I. *see* Danilkin, N.P. 9−53628
Sokolow-Borodkin, J.S. *see* Schtscherbakow, J.W. 9−70129
Sokolowa, J.A. *see* Woskressenski, W.A. 9−100106
Sokolowska, A. *see* Sokolowski, M. 9−52686, 9−95938
Sokolowski, A., Borodzinski, A. Solubility of carbon dioxide in liquid solutions of zinc chloride in sodium chloride and in potassium chloride 9−90785
Sokolowski, J.S. *see* Ben-Zvi, I. 9−72159
Sokolowski, M., Sokolowska, A., Gokieli, B., Michalski, A., Rusek, A., Romanowski, Z. Reactive pulse plasma crystallization of diamond and diamond-like carbon 9−95938
Sokolowski, M., Sokolowska, A., Rusek, A., Michalski, A., Glijer, J. Reactive electro-erosion of metals under pulse electric discharge 9−52686
Sokolowski, S. Analytical equations for the compressibility factor of a two-dimensional square-well fluid 9−77664
Sokolowski, S. A note on the local density of hard spheres interacting with a hard wall 9−77925
Sokolowski, S., Stecki, J. Statistical mechanics of adsorption: virial expansions in a three dimensional model of adsorption 9−77891
Sokolowski, T. The immersion viscometer 9−52544
Sokol'skaya, N.V. *see* Varkovitskaya, A.Ya. 9−80147
Sokolski, S.V. *see* Lavrentev, F.F. 9−96094
Sokol'skii, M.N. *see* Zverev, V.A. 9−76894
Sokol'skii, V.E. *see* Kazimirov, V.P. 9−73412, 9−77493
Sokolsky, P. *see* Coteus, P. 9−63468
Sokovnin, Yu.P. *see* Volkov, S.D. 9−57117
Sokurov, V.F. *see* Grigor'ev, V.M. 9−80168
Sokurskii, Yu.N. *see* Agapova, N.P. 9−97814
Sol, J. *see* Galvan, J. 9−62399
Sol, N. *see* Schlenker, C. 9−78337
Sola, A. Some preliminary results on actinide incineration and transmutation in a thermal and in a fast reactor 9−85707
Sola, A., Caruso, K. Sensitivity studies and actinide nuclear data requirements 9−85710
Solan, A. *see* Merkine, L.-O. 9−68720
Solanki, R., Collins, G.J., Fairbank, W.M., Jr. IR laser transition in a nickel hollow cathode discharge 9−81409
Solanki, R., Latush, E.L., Fairbank, W.M., Jr., Collins, G.J. New infrared laser transitions in copper and silver hollow cathode discharges 9−68383
Solar, A. *see* Firmani, C. 9−53830
Solares, J.M.M., Arroyo, A.L., Mezcua, J. Isoseismal map of the 1755 Lisbon earthquake obtained from Spanish data 9−84179
Solarz, R.W., Johnson, S.A. Laser induced fluorescence studies of the reactions of barium (^1S,^3D) and strontium (^1S,^3P) with halogenated methanes 9−66270
Soldatchenkova, L.S. *see* Goryunov, Yu.V. 9−87757
Soldatos, K. *see* Massalas, C. 9−81775
Soldatov, A.A. *see* Grechukhin, D.P. 9−49602, 9−93555
Soldatov, A.S. *see* Zhuchko, V.E. 9−97739
Soldatov, E.A., Ilyukhin, V.V., Kuz'min, E.A., Belov, N.V. Resolution of any three-dimensional contour into components 9−84939
Soldatov, E.A., Ilyukhin, V.V., Kuz'min, E.A., Belov, N.V. Resolution of a multidimensional contour into components 9−84941
Soldatov, E.A., Lebedev, V.A., Drozdov, Yu.N., Kuz'min, E.A., Ilyukhin, V.V., Belov, N.V. A new method of constructing the vector systems of crystals without calculation of Fourier series 9−86652
Soldatov, E.A., Lebedev, V.A., Drozdov, Yu.N., Kuz'min, E.A., Ilyukhin, V.V., Belov, N.V. Constructing vector systems of a crystal without calculating the Fourier series 9−94840
Soldatov, E.N., Vorotilina, T.B., Drozdov, Yu.N., Ilyukhin, V.V., Kuz'min, E.A., Tananaev, I.V. Crystal structure of ammonium monoquapentafluorogallate $(NH_4)_2GaF_5.H_2O$ 9−77584
Soldatov, V.P., Solomatin, V.A., Yakushenkov, Yu.G. Opticoelectronic differential goniometer 9−71412
Sole, J. *see* Aknin, J.P. 9−68001
Sole, R.Del *see* Del Sole, R.
Solecki, R. Controlled impact of a finite elastic circular rod on an isotropic, elastic half-space 9−90167
Soler, M., Callen, J.D. On measuring the electron heat diffusion coefficient in a Tokamak from sawtooth oscillation observations 9−64911
Soler, M. *see* Wagner, C. 9−80752
Solesio, J.N. Stability of liquid films method of quadrature by differentiation 9−90219
Solga, H. *see* Dittmann, H. 9−75486
Soli, S.D., Arabie, P. Auditory versus phonetic accounts of observed confusions between consonant phonemes 9−86308
Soliman, W.Z. *see* Mady, Kh.A. 9−87456
Solimini, D. *see* Ciotti, P. 9−92567
Solin, N.I., Samokhvalov, A.A., Gizhevskii, B.A., Magat, O.L. Influence of magnetic ordering on the microwave conductivity of EuO 9−69544
Solin, N.I. *see* Borukhovich, A.S. 9−69688
Solin, S.A. *see* Hwang, D.M. 9−100001
Solin, S.A. *see* Nemanich, R.J. 9−95759
Solinov, V.F. *see* Evdokimov, T.F. 9−95735
Soljacic, I., Weber, K. Measurement of the surface fluorescence with the aid of the SPEKOL spectrocolorimeter 9−80664
Solkowski, T. Theoretical analysis of some mechanical working operations with regard to material non-homogeneity due to the existing temperature field 9−52242
Soll, D.B., Habra, N.R., Russell, G.L. Experience with a vectorized general circulation climate model on STAR-1 9−70879
Solladie, G. *see* Seuron, P. 9−90544
Sollenberger, N. *see* Barratt, R.P. 9−48998
Soller, F.X., Sotier, S., Coufal, H., Hackstein, K. A high-temperature furnace for NMR measurements 9−63214
Sollogub, V.B. *see* Chekunov, A.V. 9−96749
Solmi, S. *see* Masetti, G. 9−65470
Soln, J. Differential equations with respect to a coupling constant: An approach to Cerenkov and stimulated radiations 9−50278
Soln, J. Dual electromagnetism and neutral-current interactions 9−71678
Solnicka, H. *see* Prouza, Z. 9−68113
Solntsev, A.M. *see* Ogorodnikov, D.D. 9−88341
Solntsev, L.A., Malyi, A.F., Petrichenko, A.M. Isothermal transformation diagram of austenite in magnesium cast iron microalloyed with tin 9−87611
Solntsev, M.K. *see* Chernokolev, A.T. 9−57609
Solodkov, F.B., Vorob'ev, B.Ya., Tsareva, G.A. The AMG-1 myographic analyzer 9−57785
Solodov, I.Yu. *see* Korshak, B.A. 9−69335
Solodov, I.Yu. *see* Vetrov, N.Yu. 9−55238
Solodovchenko, S.I. *see* Voitsenya, V.S. 9−98887
Solodovnichenko, I.M. *see* Kasatskaya, L.S. 9−95628, 9−96321
Solodovnik, P.S. *see* Maksakov, V.S. 9−83292
Sologashvili, J.Z. *see* Vekua, L.V. 9−74834
Solokha, A.F. *see* Vasilev, E.V. 9−52020
Solomatin, V.A. *see* Soldatov, V.P. 9−71412
Solomatin, V.S. *see* Voronin, E.S. 9−59761
Solomin, A.V. *see* Shpak, I.V. 9−98414
Solomin, A.Z., Alexopoulos, N.G. Improvement of the coupling efficiency between LEDs and optical fibers 9−76813
Solomin, N.V. *see* Sakkilari, A.V. 9−95981
Solomko, A.A., Gaidai, Yu.A., Maistrenko, V.I. Optical studies of the discrete structure of the spectrum of parametrically excited waves 9−56523
Solomko, A.A., Gaidai, Yu.A., Maistrenko, V.N. Optical investigation of discrete structure of parametrically excited waves 9−95650
Solomko, V.E. *see* Bagdavadze, V.N. 9−69812
Solomodenko, V.B. *see* Klimenko, A.G. 9−62713
Solomon, A.D. Melt time and heat flux for a simple PCM body 9−74546
Solomon, A.D. A relation between surface temperature and time for a phase change process with a convective boundary condition 9−76960
Solomon, A.M. *see* Goldoviskii, V.D. 9−68319
Solomon, A.M. *see* Mauskop, E.M. 9−67428
Solomon, D.E. *see* Wise, K.D. 9−89495
Solomon, E.G., Manley, M.T. The measurement and display of foot/ground forces during gait 9−96696
Solomon, E.I. *see* Dooley, D.M. 9−92125
Solomon, H. Comments on a theory of the Kuroshio meander 9−57944
Solomon, J. *see* Bromberg, C. 9−54438, 9−89199, 9−89200
Solomon, K.A. The valuation of spent fuel: procedure, applications, and analysis 9−89484
Solomon, P.M., Scoville, N.Z., Sanders, D.B. Giant molecular clouds in the galaxy: the distribution of ^{13}CO emission in the galactic plane 9−101183
Solomon, S. *see* Angenheister, G. 9−57889
Solomon, S. *see* Johnston, H.S. 9−84385
Solomon, S.C. Formation, history and energetics of cores in the terrestrial planets 9−84694
Solomon, S.C., Burr, N.C. The relationship of source parameters of ridge-crest and transform earthquakes to the thermal structure of oceanic lithosphere 9−88265
Solomon, S.C., Head, J.W. Vertical movement in mare basins: relation to mare emplacement, basin tectonics, and lunar thermal history 9−80250
Solomon, S.C. *see* Wook Bae Lee 9−92488
Solomon, W.C. *see* Blauer, J.A. 9−81422
Solomon, W.C. *see* Hager, G.D. 9−81449
Solomonov, A.I. *see* Gerasimenko, V.V. 9−93199
Solomonov, V.I. *see* Bokhan, P.A. 9−64213, 9−72593, 9−89895
Solonenko, V.P. Prediction of earthquakes−the desirable and the actual state 9−84162
Solonichnyi, Ya.V. *see* Freik, D.M. 9−52117, 9−68974, 9−87587
Solonin, S.M. *see* Skorokhod, V.V. 9−95974
Solopov, V.I. *see* Daneliya, E.P. 9−52217
Soloshenko, I.A. *see* Gabovich, M.D. 9−55048
Soloski, S.C., Frederking, T.H.K. Axial heat transport through an annular duct with rotating inner cylinder [He II] 9−60575
Soloukhin, R.I., Martynenko, O.G. Heat and mass transfer bibliography−Soviet works 9−68701
Soloukhin, R.I., Martynenko, O.G. Heat and mass transfer bibliography−Soviet works 9−86430
Soloukhin, R.I. *see* Achasov, O.V. 9−64002, 9−64202
Soloukhin, R.I. *see* Alkhimov, A.P. 9−68830
Soloukhin, R.I. *see* Vagin, S.P. 9−89888
Solovarov, N.K. *see* Kurkin, N.N. 9−68419
Solovei, A.B. *see* Bursak, A.V. 9−89243
Solovei, A.B. *see* Gorbatov, A.M. 9−49585
Soloveichik, V.R. *see* Ivlev, S.A. 9−71435
Solov'ev, E.E. *see* Bar'yakhtar, V.G. 9−69744
Solov'ev, G.I. *see* Degtyarev, L.M. 9−68922
Solov'ev, G.I. *see* Gorokhov, S.N. 9−90831
Solov'ev, K.N. *see* Dvornikov, S.S. 9−70522, 9−89706
Solov'ev, K.N. *see* Gladkov, L.L. 9−64010
Solovev, K.N. *see* Gradyushko, A.T. 9−54906, 9−85980, 9−99932
Solov'ev, K.N. *see* Shkirman, S.F. 9−85994
Solov'ev, L.D., Yushin, Yu.Ya. Investigation of infrared singularities in quantum electrodynamics by means of Feynman diagrams 9−71671
Solovev, L.E., Zilbershtein, A.Kh. Selective interference of polarized beams in crystals having an isotropic point 9−72484
Solov'ev, L.F. *see* Apokin, V.D. 9−67615
Solov'ev, L.S. *see* Gerlakh, N.I. 9−94729
Solov'ev, M.I. *see* Abdivaliev, L. 9−93568
Solov'ev, M.I. *see* Angelov, N. 9−59094, 9−89335

Solov'ev, M.I. *see* Anoshin, A.I. 9—89213
Solov'ev, M.M. Magnetisation of ferromagnetic particles with a small number of banded domains 9—91256
Solov'ev, N.A. *see* Medvedev, R.N. 9—64924
Solov'ev, N.N. *see* Kurbatov, V.A. 9—56300
Solov'ev, N.N. *see* Petrovskii, V.I. 9—69579
Solov'ev, S.P. *see* Gres'kov, I.M. 9—69144
Solov'ev, S.P. *see* Treushnikov, E.N. 9—90595
Solovev, V.A. The 'superdislocation' model of a plastic zone near a wedge-shaped crack 9—94557
Solov'ev, V.A. *see* Adzhemyan, L.V. 9—95082
Solov'ev, V.A. *see* Bogdanov, V.N. 9—94865
Solov'ev, V.A. *see* Kulemin, A.V. 9—91645
Solov'ev, V.D. *see* Budanov, V.G. 9—96747
Solov'ev, V.E. *see* Logginov, A.S. 9—59733, 9—64229
Solov'ev, V.F. *see* Gaisler, V.A. 9—65556
Solov'ev, V.G. Description of the characteristics of nuclear states in a wide range of excitation energies 9—75843
Solov'ev, V.G. *see* Kiselev, M.A. 9—75944
Solov'ev, V.N. *see* Bondarev, N.K. 9—59158
Solov'ev, V.V. *see* Bershtein, V.A. 9—55016
Solov'ev, V.V. *see* Lozovskii, L.A. 9—68169
Solov'ev, V.Ya. *see* Baskov, A.A. 9—49249
Solov'eva, E.V. *see* Sviridova, A.I. 9—72660
Solov'eva, L.I. The selection of light ions which are sensitive to the departure from LTE in early-type stars 9—92770
Solov'eva, L.I. *see* Sakhibullin, N.A. 9—92769
Solov'eva, L.P. *see* Ovchinnikov, V.E. 9—94942
Solov'eva, L.Ya. *see* Yurchenko, V.S. 9—55678
Solov'eva, N.M. *see* Pashkov, V.A. 9—95730
Solov'eva, V.I. *see* Khristiansen, G.B. 9—80167
Solov'eva, V.I. *see* Khristiansen, G.V. 9—80166
Solov'eva, V.I. *see* Vernov, S.N. 9—80172
Solovianov, V. *see* Fidecaro, G. 9—85343
Solovi'ev, L.D. *see* Balbekov, V.I. 9—63829
Soloviev, V.G. The description of neutron and giant resonances within the quasiparticle-phonon nuclear model 9—63648
Soloviev, V.G. *see* Ponomarev, V.Yu. 9—75947
Soloviev, V.N. *see* Kiv, A.E. 9—90830
Solovieva, O.N. *see* Kondorskaya, N.V. 9—84170
Solovov, V.A. *see* Elseev, V.N. 9—76937
Solovyan, A.M. *see* Kazimirov, V.P. 9—77493
Solov'yanov, V.L. *see* Apokin, V.D. 9—67615
Solov'yev, A.K. *see* Vasil'yev, V.I. 9—67290
Solov'yev, K.N. *see* Gradyushko, A.T. 9—92138
Solovyov, V.A. *see* Baraz, A.R. 9—66108
Soloyanis, S.C., Brown, L.L. Late Pleistocene magnetic stratigraphy recorded in some New England tills 9—70744
Solt, G., Zhernov, A.P. Calculation of atomic displacements near the solute atom and in the asymptotic range in dilute alkali alloys 9—65162
Soltan, P. Liquid crystal—fiber optics light modulator for optical information display 9—72718
Soltys, J. Theory of the order-disorder transitions in the Heusler alloys. II 9—90755
Soltys, J., Kozubski, R. Theory of the order-disorder transitions in the Heusler alloys. III 9—90756
Soltzberg, L.J., Bobrowski, S.J., Parziale, P.A., Armstrong, E.C., Cohn, V.E. Optical study of phase transformation hysteresis in p-diiodobenzene 9—99312
Soluch, W. *see* Harmon, D. 9—56061
Soluch, W. *see* Jhunjhunwala, A. 9—56064
Soluch, W. *see* Morency, D.G. 9—56056
Solunskii, B.I. *see* Geguzin, Ya.E. 9—60559
Solyakin, G.E. *see* Andronenko, L.N. 9—59103
Solyanik, A.S. *see* Chebaevskii, B.P. 9—87708
Solyanik, G.I. *see* Palamarchuk, Ye.K. 9—92180
Solyanko, V.F., Boiko, T.P., Kudrgavtseva, K.A. A cryogenic flange connection 9—71460
Solyanyi, V.I. *see* Kalashnikov, V.V. 9—67855
Solymar, L., Sheppard, C.J.R. A two-dimensional theory of volume holograms with electric polarization in the plane of the grating 9—72532
Solymar, L. *see* Benlarbi, B. 9—50251
Solymar, L. *see* Cooke, D.J. 9—81385
Solymar, L. *see* Parry, W.E. 9—81386
Solymar, L. *see* Russell, P.St.J. 9—72680, 9—81390
Solymosi, F., Sarkany, J. An infrared study of the surface interaction between NO and CO on Rh/Al_2O_3 catalyst 9—70369
Solyom, J. The one-dimensional Fermi gas model 9—58636
Solyom, J. The Fermi gas model of one-dimensional conductors 9—78083
Solyom, J. *see* Mrozinska, A. 9—61132
Som, B.K., Gupta, M.R., Dasgupta, B. Coupled nonlinear Schrodinger equation for Langmuir and dispersive ion acoustic waves 9—77362
Som, M.M., Santos, N.O. Long-range scalar field in conformally flat space-time 9—71303
Som, M.M. *see* da Silva, W.M., Jr. 9—71327
Som, M.M. *see* Kleber, A. 9—88847
Som, P. *see* Klopper, J.F. 9—62411
Soma, T. Equation of state under high pressure for metallic Si and Ge 9—60475
Soma, T. A practical focus-deflection system for shaped electron beams 9—76572
Soma, T. Equation of state for tetrahedrally covalent compounds 9—82310
Soma, T. Local Heine-Abarenkov potential of alkali metals 9—87031
Soma, T. *see* Fukushima, S. 9—88176
Soma, T. *see* Nakayama, J. 9—55271
Soma, Y. *see* Oka, E.Y. 9—85151
Somaiah, K., Babu, V.H. Growth and dissolution of BaFBr crystals 9—56925
Somaiah, K. *see* Mutha Reddy, M. 9—95857
Soman, S.D. *see* Bhagwat, A.M. 9—76283
Soman, S.D. *see* Shah, S.M. 9—63815
Somasundaram, M., Melsa, J.L., Farris, D.R. Optimal control studies of a solar heating system 9—87995
Somayajulu, B.L.K., Radhakrishnamurty, C., Walsh, T.J. Susceptibility as a tool for studying magnetic stratigraphy of marine sediments 9—84520
Sombret, B. *see* Beny, J.M. 9—91940
Sombret, B. *see* Herzog-Cance, M.H. 9—73915
Sombret, C. Glasses with amorphous structure used for the packaging of radio-active waste 9—71910
Someda, C.G. *see* Cancellieri, G. 9—50386
Somekh, R.E. Analysis of X-ray traces of high T_c Nb_3Ge and Nb_3Si 9—56098
Somenkov, V.A., Irodova, A.V., Shil'shtein, S.Sh. Symmetry relationship between structures involved in reconstructive transitions and structure of interstitial phases 9—69246
Somenkov, V.A. *see* Golovin, A.E. 9—97925
Somenkov, V.A. *see* Irodova, A.V. 9—65061
Someno, M. *see* Arita, M. 9—77772
Somer, J.C. Real-time improvement of both lateral and range resolution by optical signal processing 9—53203
Somers, J., Hogstrom, K.R., Slice, R.T., Rosen, I.I., Smith, A.R. A multichannel electrometer data-acquisition system 9—89564
Somerville, H.J. *see* Mason, J.R. 9—66590
Somiya, S., Hirano, S., Iwai, Y. Hydrothermal growth of fayalite crystals 9—65996
SOmiya, S. *see* Kamiya, S. 9—60329
Somlev, B.P. *see* Bratanov, K.T. 9—66463
Sommer, B., Zabolitzky, J.G. On numerical Bessel transformation 9—49016
Sommer, B. *see* Porrmann, M. 9—80787
Sommer, E. The dispersion relation for magneto-plasma waves in multivalley semiconductors 9—51506
Sommer, F. Influence of associate formation in alloy-melts on the thermodynamic quantities 9—66329
Sommer, F. Thermodynamic investigation of liquid Li-Mg alloys 9—91630
Sommer, G. *see* Perez-Mendez, V. 9—66497
Sommer, J. *see* Olah, G.A. 9—74482
Sommer, K. *see* Polke, R. 9—100443
Sommer, K. *see* Wenck, H.D. 9—98136
Sommer, M. *see* Brunet, P. 9—72052
Sommer, R.G. *see* Aronson, B.S. 9—50466
Sommer, R.G. *see* Morrow, A.J. 9—50426
Sommer, U. *see* Milster, H. 9—83688
Sommerer, J.C. The toy airplane catastrophe 9—58531
Sommerfield, C.M. Generating functional for gauge-invariant Green's functions 9—63355
Sommeria, G. *see* Beniston, M.G. 9—84412
Sommeria, G. *see* Redelsperger, J.L. 9—84413
Sommers, C. *see* Batallan, F. 9—77993
Sommers, H.-J. The Sherrington-Kirkpatrick spin glass model: results of a new theory 9—51797
Sommers, H.S., Jr. Current dependence of spontaneous emission and of junction resistance as a test of the internal dynamics of injection lasers 9—59699
Somoano, R.B. *see* Khanna, S.K. 9—56206
Somogy, A., Sugar, S., Chadraa, B., Basina, Yu.V., Brikker, S.I., Grigorov, N.L., Grigor'eva, L.B., Kondrat'eva, M.A., Mishchenko, L.G., Nymmik, R.A., Papina, L.P., Podgurskaya, A.V., Poperekova, L.M., Rapoport, I.D., Sokolov, V.K., Sobinyakov, V.A., Tret'yakova, Ch.A., Chikova, L.O., Shestoperov, V.Ya., Shopenberg, Zh.M., Baican, B., Neagu, D., Haiduk, M., Visky, T., Dubinsky, J., Just, L. Features of nucleus-nucleus interactions at energies around 10^{12} eV 9—80173
Somogyi, I.K., Koos, M., Vassilyev, V.A. Photoluminescence in amorphous semiconductors 9—56862
Somogyi, I.Kosa *see* Kosa Somogyi, I.
Somogyi, M., Farkas-Jahnke, M., Mezey, G., Gyulai, J. Investigations of surface layers produced by chemical treatment of GaP 9—96173
Somorjai, G.A. *see* Castner, D.G. 9—65318
Somorjai, G.A. *see* Firment, L.E. 9—77879, 9—86969
Somorjai, G.A. *see* Ibach, H. 9—90863
Somorjai, G.A. *see* Kesmodel, L.L. 9—57291
Somorjai, G.A. *see* Salmeron, M. 9—66269
Somorjai, R.L. *see* Katz, H. 9—59609
Somov, A.A. *see* Kats, L.I. 9—82620
Somov, A.I., Tikhonovskii, M.A., Oleksienko, M.M., Golovin, V.N. Influence of the composition and crystallisation conditions on microstructure and strength of the eutectic composition Ni-NbC 9—100128
Somov, A.I., Tikhonovskii, M.A., Reznichenko, V.V. Method of investigating temperature field in crystals grown from melt 9—78866
Somov, I.E. *see* Zakharkin, I.I. 9—71879
Somov, L.N. *see* Abramov, D.I. 9—63069
Somov, L.N. *see* Bystritskii, V.M. 9—50171
Somov, S.V. *see* Guschin, E.M. 9—78855
Somova, V.M. *see* Kuznetsov, I.A. 9—66086
Son, E.E. Nonlinear theory of the Rayleigh-Taylor instability in 'inverted shallow water' 9—64635
Son Nguyen Quoc *see* Nguyen Quoc Son
Sona, P. *see* Giannatiempo, A. 9—54406
Sonder, E., Stratton, T.G., Weeks, R.A. Kinetics of Fe^{2+} oxidation and Fe^{3+} reduction in MgO single crystals 9—70399
Sonderegger, B. *see* Brezina, P. 9—74169
Sondergaard, N.A., Sauers, I., Jones, A.C., Kaufman, J.J., Koski, W.S. Reactive scattering of $B^+(^2P_u)$ by molecular deuterium 9—98214
Sondergeld, C.H., Turcotte, D.L. Flow visualization studies of two-phase thermal convection in a porous layer 9—72930
Sondhi, M.M. Estimation of vocal-tract areas: The need for acoustical measurements 9—68505
Sondhi, M.M. *see* Allen, J.B. 9—88087
Sone, K. *see* Yamada, R. 9—65124, 9—100004
Sone, T., Tsunasawa, E., Yamanaka, K. On the ion-softnitriding of S15C steel with N_2-H_2-CH_4 gas mixtures 9—61780
Sone, T., Uematsu, M., Kanasashi, H., Nimura, T. Method of estimation of articulation in the presence of time-varying noise whose levels are normally distributed. Effects of time-varying noise on speech intelligibility. II 9—81654
Sone, T. *see* Kumagai, M. 9—98546
Sone, T. *see* Saito, F. 9—81635
Sone, Y., Aoki, K. Forces on a spherical particle in a slightly rarefied gas 9—94672
Sone, Y., Onishi, Y. Flow of rarefied gas over plane wall 9—90287
Sone, Y., Onishi, Y. Heat transfer through a rarefied gas between coaxial circular cylinders with large temperature difference 9—94664
Soneira, R.M. A cosmological redshift-distance square law? 9—67095
Song, H.S. A treatment of spin-one polarization 9—63383
Song, K.S. The free energies of mixing of melts in the systems $2FeO.SiO_2$-$2MnO.SiO_2$ and $2.33FeO.TiO_2$-$2.33MnO.TiO_2$ 9—61572
Song, K.S., Lewis, L.J. Pseudopotential study of the self-trapped exciton in rare-gas solids 9—82529
Song, S.H. *see* Ohta, Y. 9—84069
Song, S.J., Crisp, R.S. Thermopower in alloys of Ag with Zn, Ga, Ge and As at low temperatures 9—65440
Song, Y. *see* Suhl, H. 9—56423
Song Cong-long *see* Jiang Ya-gang 9—72539
Song-lin Zhuang *see* Zhuang Song-lin
Song-sheng Kuo *see* Kuo Song-sheng
Songaila, A. *see* Cowie, L.L. 9—71086, 9—97049
Soni, A. *see* Bander, M. 9—49442, 9—80826
Soni, A. *see* Sawyer, R.F. 9—75238
Soni, K.P., Prajapati, S.N., Bhatt, I.M. Methyl benzothiazole as a corrosion inhibitor for copper and brass in chlorosubstituted acetic acids 9—57149
Soni, K.P. *see* Prajapati, S.N. 9—57148
Soni, K.R., Arora, C.L. Travelling wave arc antenna in a warm plasma 9—82071
Soni, P.L. *see* Collins, E.A. 9—92007
Soni, R.S., Thakar, J.L., Diwan, P.S., Sivaraman, S. Electroluminescent studies of ZnO:Ce and ZnO:Sm phosphors 9—99946
Soni, R.Singh *see* Singh Soni, R.
Soni, S.K. Uniqueness of the standard model neutral current predictions 9—80789
Soni, S.N. *see* Nigam, A.N. 9—89629
Soni, S.R. *see* Laura, P.A.A. 9—72844
Soni, V. Monopole-antimonopole pairs of fixed angular momentum in superfluid ^{3}He-A 9—51341
Soni, V.S., Nayyar, V.P. Cross focusing of mixed mode operation in an extra dense plasma 9—94798
Soni, V.S. *see* Nayyar, V.P. 9—55513
Sonin, A.A. Modeling of containment system flows: a university perspective 9—54476
Sonin, A.A., Huber, P.W. On the scaling laws for air clearing in water-type pressure suppression systems 9—54563
Sonin, A.A. *see* Anderson, W.G. 9—49740, 9—54564
Sonin, A.S. *see* Klyukin, L.M. 9—89995
Sonin, A.S. *see* Vasilevskaya, A.S. 9—94897
Son'ko, V.N. *see* Gronskii, V.I. 9—67243
Sonnad, V.R. *see* Lemmerman, L.A. 9—98744
Sonne, B. *see* Hohne, K.H. 9—79640
Sonne, H.M., Muschenborn, W., Drewes, E.J., Beelitz, W. Formability of hot rolled strip from different steels with regard to processing conditions 9—66089

Sonnenbichler, J. Advances in chromation research 9—79464
Sonnenblick, E.H. *see* Wang, C.Y. 9—70562
Sonnenfeld, J. *see* Barr, R.E. 9—74772
Sonnenfeld, P. Effects of a variable Sun at the beginning of the Cenozoic era 9—75171
Sonnerup, B.U.O., Ledley, B.G. Ogo 5 magnetopause structure and classical reconnection 9—58195
Sonneveld, E.J., Visser, J.W. Structure and hydrogen bonding of α-$NaHSO_4$ 9—99128
Sonnleitner, S.A. *see* Ali-Reza Hashemi-Attar 9—68220
Sonntag, B. *see* Friedrich, H. 9—76444
Sonobe, B.I. *see* Watson, R.L. 9—72408
Sonoda, T. *see* Takeda, T. 9—70732
Sonomura, H., Miyauchi, T. Luminescences from solution-grown Al_xGa_{1-p} alloys 9—52004
Sonomura, H. *see* Yoshioka, H. 9—95321, 9—99469
Sontag, M.R., Cunningham, J.R. The equivalent tissue-air ratio method for making absorbed dose calculations in a heterogeneous medium 9—92386
Soo, P. *see* Shroy, R.E. 9—52803
Soo, S.L. *see* Sha, W.T. 9—90314
Soo Cho Chung *see* Chung Soo Cho
Soo Hyun Shu, Seong Yun Kim, Dong Hoon Kim A computer code DEUKER for D_2O scattering cross section 9—54468
Soo Kim Jin *see* Jin Soo Kim
Soo Y. Kim *see* Yoon W. Park 9—87664
Soo-soo Yuan *see* Yuan Soo-soo
Sood, B.S. *see* Arora, S.K. 9—72288
Sood, D.D. *see* Singh, Z. 9—60492
Sood, M.L., Chopra, S.L. Determination of differential diffusion coefficients of sodium nitrite and potassium sulphate by the diaphragm cell methods 9—95193
Sood, P.C. *see* Agrawal, M.S. 9—79641
Sood, P.M. *see* Sengupta, P.K. 9—93471
Sood, S. *see* Ader, J.P. 9—75734
Sood, S. *see* Gavela, M.B. 9—49460
SooHoo, J., Hayes, C.L. Phase locking of a multimode to a single-mode He-Ne laser 9—76710
SooHoo, J.F. *see* Mevers, G.E. 9—62724
Soohoo, R.F., Morrish, A.H. FMR measurement of anisotropy dispersion in amorphous GdFe films 9—73824
Soomro, M., Hughes, R. The thermal conductivity of porous catalyst pellets 9—86936
Soon Kim Young *see* Young Soon Kim
Soon Kwak Young *see* Young Soon Kwak
Soon Lee Key *see* Key Soon Lee
Soonckindt, L., Bonnet, J., Lassabatere, L. On the use of the Kelvin method to study inhomogeneous surface work functions 9—78155
Soong, D., Shen, M., Hong, S.D. Viscoelastic properties of entangled polymer. IV. Binary blends of monodisperse homopolymers 9—96062
Soonpaa, H.H. Low field magnetoconductivity in thin crystals 9—87117
Sooraj Singh *see* Saxena, R.N. 9—78622
Soos, E. *see* Teodosiu, C. 9—57024, 9—83278
Soos, Z.G. Molecular energies in partly charged organic solids 9—55694
Soos, Z.G., Bondeson, S.R., Mazumdar, S. Magnetic analog of the Mott transition 9—95565
Soos, Z.G., Mazumdar, S., Cheung, T.T.P. Valence bond theory of organic charge-transfer salts 9—73473
Soos, Z.G. *see* Azevedo, L.J. 9—73715, 9—99786
Soos, Z.G. *see* Endres, H. 9—90636
Sootha, G.D., Padam, G.K., Gupta, S.K. ESR study of oxygen radicals formed in cadmium sulphide 9—65738
Sootha, G.D. *see* Bhide, V.G. 9—62061
Soovik, T.A. *see* Liid'ya, G.G. 9—87482
Soper, D.E. *see* Ralston, J. 9—63544
Soper, D.E. *see* Ralston, J.P. 9—58981
Soplenkov, K.I. *see* Nigmatulin, B.I. 9—55410
Soplyachenko, V.N. *see* Vasin, G.P. 9—87721
Sopori, B. *see* Legge, R. 9—100048
Soraas, F. *see* Lundblad, J.A. 9—80080
Sorace, E. *see* Giachetti, R. 9—97491
Sorantin, H. *see* Irlweck, K. 9—83947
Sorba, P. *see* De Crombrugghe, M. 9—89119
Sorba, P. *see* Hogaasen, H. 9—67519
Sorba, P. *see* Meyers, C. 9—97494
Sorbier, J.P., Oualid, J., Martinuzzi, S. Influence of preparation conditions on electron trapping in CdS polycrystalline layers 9—78232
Sorbjan, Z. Numerical simulation of dynamic structure of the atmospheric boundary layer in urban areas 9—66741
Sordo, B. *see* Costa, B. 9—50440
Soref, R.A. Liquid-crystal fiber-optic switch 9—64334
Sorensen, B.Bagger *see* Bagger Sorensen, B.
Sorensen, C. Rescattering corrections to spin-dependent proton-deuteron total cross sections 9—49536
Sorensen, C. *see* Irving, A.C. 9—63505
Sorensen, J.M., Rasmussen, P., Fredenslund, A., Magnussen, T. Liquid-liquid equilibrium data: their retrieval, correlation and prediction. II. Correlation 9—51248
Sorensen, S., Magnusson, J. Annoyance caused by noise from shooting ranges 9—70498
Sorensen, S. *see* Jakobsen, H.J. 9—94018
Sorenson, L. *see* Nagle, D.E. 9—63499
Sorge, G., Almeida, A. Elastic compliances and ultrasonic attenuation in $(NH_4)_2BeF_4$ in the temperature range from 170 to 190K 9—51918
Soria, E., Sacedon, J.L. Diffusion processes in the Au(111)/Ag(111) thin film system 9—77843
Soria, F., Sacedon, J.L. Diffusion processes in the Au(111)/Ag(111) thin film system 9—90832
Sorimachi, H. *see* Uesu, Y. 9—61339
Sorin, A.S. *see* Ivanov, E.A. 9—93315
Sorina, T.G. *see* Gunyaev, G.M. 9—87699
Sorkin, B.A. *see* Kyarner, T.N. 9—69889
Sorkin, M.Z. *see* Gel'fgat, Yu.M. 9—90261
Sorlei, Zs. *see* Bakos, J.S. 9—59809
Sornmo, L. *see* Pahlm, O. 9—70678
Soroka, A.M. *see* Aleksandrov, V.V. 9—86641
Soroka, A.M. *see* Glotov, E.P. 9—59668
Soroka, G.M. *see* Sokolov, M.N. 9—89686
Soroka, G.M. *see* Zagainova, L.I. 9—78720
Sorokin, A.N. *see* Sergeeva, T.K. 9—70242
Sorokin, A.V. Control by an excess number of power gyroscopes 9—80419
Sorokin, A.V. *see* Averyanov, E.M. 9—77518
Sorokin, G.P., Idrichan, G.Z., Sorokina, Z.M., Kostya, L.F. Density of $Cu_{2-x}Se$ and $Cu_{2-x}Te$ crystals 9—90608
Sorokin, M.V., Chirkin, G.K. Investigation of phase states and transitions in an ND_4Br single crystal by CU^{2+} ESR method 9—99762
Sorokin, N.I. *see* Skubnevskaya, G.I. 9—50074
Sorokin, P.P. *see* Bethune, D.S. 9—58808
Sorokin, P.V. *see* Bratashevskii, A.S. 9—85305
Sorokin, P.V. *see* Get'man, V.A. 9—63487, 9—89170
Sorokin, P.V. *see* Gorbenko, V.G. 9—80830, 9—89171, 9—89294
Sorokin, V.A. *see* Blagoi, Yu.P. 9—70514
Sorokin, V.B. Monitoring of the density of solids using the back scattering of single-energy electrons 9—97362
Sorokin, V.G., Guzanov, B.N. Effect of technological factors on the true breaking stress of heat-resistant materials in rapid air streams 9—66163
Sorokin, V.G. *see* Veksler, Yu.G. 9—57025
Sorokin, V.K. Strength properties of diamond-metal strip 9—61678
Sorokin, V.K. Mechanical properties of tin-nickel bronze 9—79009
Sorokin, V.K. *see* Tikhonov, G.F. 9—78915
Sorokin, V.N. *see* Aivazov, M.I. 9—91212
Sorokin, V.N. *see* Gol'dshtik, M.A. 9—72938
Sorokin, V.S. *see* Kuznetsov, V.V. 9—52131, 9—86891
Sorokina, A.V., Shlyamin, E.A., Petrzhak, K.A., Lozhkomoev, G.E., Prusakov, A.G., Kramarovskii, Ya.M. Experimental determination of neutron leakage from a manganese bath 9—97744
Sorokina, N.A. On the connection between seasonal variations of optical and hydrological characteristics in the Newfoundland Bank area 9—100861
Sorokina, N.A. *see* Neuimin, G.G. 9—88361
Sorokina, V.V. Wave dynamical characteristics of an elastic layer in an acoustic medium 9—76995
Sorokina, Z.M. *see* Sorokin, G.P. 9—90608
Sorokivskii, I.S. *see* Romaniv, O.N. 9—83280
Sorokovski, S. *see* Aleksandrov, E. 9—93166
Sorrell, R.Kent *see* Kent Sorrell, R.
Sosedov, V.N., Vainberg, V.E. Relation between the characteristics of acoustic-emission signals and the structure of materials 9—52297
Sosedov, V.N. *see* Budenkov, B.A. 9—52582
Sosenkin, V.E. *see* Vol'fkovich, Yu.M. 9—69326
Soshchin, N.P. *see* Amiryan, A.M. 9—56849
Soshina, O.A. *see* Gol'dman, A.Ya. 9—91730
Soshkin, S.V. *see* Danilin, L.A. 9—96246
Soshnikov, V.N. *see* Korobeinikov, V.P. 9—95878
Soskin, M. *see* Kondilenko, V. 9—50250
Soskin, M. *see* Markov, V. 9—94194
Soskin, M.S. *see* Anokhov, S.P. 9—93228
Soskin, M.S. *see* Kukhtarev, N.V. 9—86136, 9—86137
Soskin, M.S. *see* Markov, V.B. 9—59656
Soskin, S.I., Shoidin, S.A. Parameter optimization of a holographic memory allowing for aberration 9—55085
Soskov, A.A. *see* Petushkov, V.G. 9—96267
Sosnenko, L.P. *see* Amelin, E.A. 9—67308
Sosnin, F.R. *see* Leonov, B.I. 9—68445
Sosnina, M.A. *see* Merman, N.V. 9—96911
Sosnits'kii, S.P. On one property of gyroscopic systems 9—50577
Sosnitskii, Ya.A. *see* Larin, G.V. 9—52519
Sosnovets, E.N. *see* Kovtyukh, A.S. 9—80083
Sosnovets, E.N. *see* Panasyuk, M.I. 9—58190
Sosnovskii, S.A. *see* Zhukov, N.D. 9—50298
Sosnowska, I. *see* Kutner, R. 9—77829, 9—82386
Sosnowski, J., Drys, M. Superconductivity of the A15 phase in $Nb_{78}Ga_{22-x}Fe_x$ and $Nb_{80}Ga_{20-x}Fe_x$ alloys 9—87181
Sosnowski, J., Drys, M., Mydlarz, T., Horobiowski, M. The effect of Fe impurities on superconducting and magnetic properties of Nb-Ga alloys with A15 structure 9—56351
Sosnowski, M. *see* Duder, J.C. 9—71831, 9—85445
Sosnowski, M. *see* King, H.T. 9—67657
Sosnowski, R. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Sossi, L. Theoretical design of the interference coating with two narrow spectral transmission bands 9—72666
Sostarich, M., Golenia, W. Electrical resistivity of Metglas 2826A ($Fe_{32}Ni_{36}Cr_{14}P_{12}B_6$) during crystallization 9—91014
Sostre, S., Ashare, A.B., Quinones, J.D., Schieve, J.B., Zimmerman, J.M. Thyroid scintigraphy: pinhole images versus rectilinear scans 9—88173
Soszynski, T. *see* Barsotti, E. 9—49919
Sotani, N., Masuda, S., Hasegaisa, M., Kishimoto, S. Adsorption of water on hexagonal molybdenum oxide 9—77898
Sotgiu, A. *see* Giordano, M. 9—80653
Sotier, S. *see* Brunnhuber, J. 9—51545
Sotier, S. *see* Rober, E. 9—82525
Sotier, S. *see* Soller, F.X. 9—63214
Sotin, V.E. *see* Bikeev, O.N. 9—55224
Sotnik, A.A. *see* Lesnaya, M.I. 9—86908
Sotnik, S.G. *see* Lesnaya, M.I. 9—86908
Sotnikov, A.F. *see* Golubev, L.I. 9—71921
Sotnikov, A.I. *see* Petrov, V.V. 9—91968
Sotnikov, I.A. *see* Apatovskii, L.E. 9—68710
Sotnikova, V.I. *see* Belov, K.P. 9—73554
Sotona, M. *see* Majling, L. 9—85566
Sotov, I.N. *see* Serdykin, F.V. 9—96081
Sotskaya, N.F. *see* Shevchuk, S.S. 9—83215
Sotskii, A.B. The theory of electrooptical modulators on flat waveguides 9—50411
Sotskii, B.A. Statistical properties of the Glauber mode 9—98326
Sotskii, V.V. *see* Biryukov, A.V. 9—80074
Sotton, M. *see* Hagege, R. 9—73107
Soubeyroux, J.L. *see* Demazeau, G. 9—86760
Soubeyroux, J.-L. *see* Dance, J.-M. 9—73670
Souchere, G. *see* Fujisaki, M. 9—49542, 9—63521
Soudan, B. A regulator for electric heating 9—58681
Soudan, K., Dierckx, P. Calculation of derivatives and Fourier coefficients of human motion data, while using spline functions 9—70564
Soudan, K., Van Audekercke, R., Martens, M. Methods, difficulties and inaccuracies in the study of human joint kinematics and pathokinematics by the instant axis concept. Example: the knee joint 9—70565
Souder, P.A. *see* Cooper, P.S. 9—58540
Souers, P.C., Kelly, E.M., Tsugawa, R.T. Raoult's law for liquid D-T and H-T 9—67947
Souers, P.C. *see* Gaines, J.R. 9—73832
Souffache, B., MacLachlan, D.S., Burger, J.P. Preparation of palladium hydrides by low temperature electrolysis 9—78910
Souffrin, P. *see* Couturier, P. 9—53788
Sougi, M. *see* Plumier, R. 9—65651
Souillard, B. *see* Iagolnitzer, D. 9—69681
Souillard, B. *see* Kunz, H. 9—63164
Soukas, A. *see* Weng, W.T. 9—72062
Soukoulis, C.M. *see* Levin, K. 9—78382
Soukup, G.A. *see* Roothaan, C.C.J. 9—81155
Soukup, J., Cameron, J.M., Fielding, H.W., Hussein, A.H., Lam, S.T., Neilson, G.C. $^2H(n,nn)p$ reaction at 21.5 MeV 9—67669
Soukup, J. *see* Cameron, J.M. 9—75993
Soukup, R.J., Kulkarni, A.K., Mosher, D.M. Electrical properties of sputtered epitaxial films of GaAs 9—78234
Soulage, R.G. *see* Gayet, J.-F. 9—53488
Soulard, M. *see* Chastagner, F. 9—68978
Soulen, R.J., Jr. A superconductive device to provide reference temperatures below 0.5K 9—63220
Soulen, R.J., Jr. *see* Holdeman, L.B. 9—56444
Soulen, R.J., Jr. *see* Marshak, H. 9—63218
Soulet, H. *see* Blandin, M. 9—88214
Souletie, J. *see* Berton, A. 9—87271
Soulie, E. *see* Caro, P. 9—56811
Soundalgekar, V.M. Free convection effects on the flow past an infinite vertical oscillating plate 9—94605
Soundalgekar, V.M., Gupta, S.K. Heat transfer in fluctuating flow past an infinite plate with suction and constant heat flux 9—50724
Soundalgekar, V.M., Gupta, S.K., Birajdar, N.S. Effects of mass transfer and free convection currents on MHD Stokes problem for a vertical plate 9—90347
Soundalgekar, V.M., Uplekar, A.G. Unsteady flow of a viscous incompressible fluid past a porous plate with constant suction 9—86499
Soundalgekar, V.M., Vighnesam, N.V., Takhar, H.S. Hall and ion-slip effects in MHD Couette flow with heat transfer 9—94726
Soundalgekar, V.M., Wavre, P.D. Effects of free convection currents on the oscillatory flow of an electrically conducting fluid past an infinite vertical porous plate with constant suction and heat flux 9—55428
Soundalgekar, V.M. *see* Pop, I. 9—81868
Souquet, J. *see* Riviere, A. 9—57735
Souquet, J.L. *see* Ali Kone 9—65482
Soures, J. *see* Yaakobi, B. 9—54598
Soures, J.M. *see* Eastman, J.M. 9—55146

Souriau, M. Spatial analysis of tilt and gravity observations of Earth tides in western Europe 9—66602
Sourice, J. *see* Hamelin, J. 9—58161
Sourkes, A.M. *see* Brown, R.E. 9—75998
Sourlas, N. *see* Parisi, G. 9—58938, 9—97533
Sousa, A.P.B. *see* Oswaldo-Cruz, E. 9—62243
Sousa, C.A.de *see* de Sousa, C.A.
Sousa, D.C. *see* Toth, K.S. 9—67721, 9—89241
Sousa, J.B., Amado, M.M., Pinto, R.P., Moreira, J.M., Braga, M.E., Ausloos, M., Clippe, P. Critical behaviour of the electrical resistivity at the spin reorientation transition of pure gadolinium 9—51787
Sousa, J.B., Amado, M.M., Pinto, R.P., Moreira, J.M., Braga, M.E., Ausloos, M. Anomalous critical behaviour of transport properties in antiferromagnetic Cr-Al alloys 9—61108
Sousa, J.B., Pinto, R.S., Amado, M.M., Moreira, J.M., Braga, M.E., Ausloos, M., Balberg, I. Universal behaviour of thermal and electrical transport coefficients near the Neel temperature of $Cr_{99.94}Al_{0.06}$ 9—78075
Sousa Pires, J.de *see* de Sousa Pires, J.
Soussaline, F. *see* Comar, D. 9—83730
Soussaline, F. *see* Crouzel, C. 9—57775
Soussen-Jacob, J. *see* Seloudoux, R. 9—87426
Soussen-Jacob, J. *see* Vincent-Geisse, J. 9—54913
Soussi, Y. A precision digital thermometer with three integrated circuits 9—80616
Soustova, I.A. *see* Pelinovskii, E.N. 9—64377
South, C.R. Total dispersion in step-index monomode fibres 9—68427
Southall, D.M. *see* Jackson, W.J. 9—83395
Southam, J.R., Hay, W.W. Correlation of stratigraphic sections by continuous variables 9—62505
Souther, J.G. *see* Lewis, T.J. 9—70429
Southern, B.W., Young, A.P., Pfeuty, P. Effects of percolation on spin glass order 9—56549
Southern, B.W. *see* Burkhardt, T.W. 9—63075
Southgate, E. *see* Stretton, A.O.W. 9—92208
Southon, J.R. *see* Beale, D.J. 9—93551
Southward, D.L. *see* Kelso, J.A.S. 9—57636
Southwell, W.H. Beam expander telescope design utilizing fast spherical primaries 9—66921
Southwell, W.H. Mode discrimination of unstable resonators with spatial filters and by phase modification 9—76719
Southwell, W.H. Multilayer coatings producing 90° phase change 9—76788
Southwell, W.H. Geodesic profiles for equivalent Luneburg lenses 9—76880
Southwick, P.D., Stobbs, W.M. The lattice-imaging technique for a duplex stainless steel 9—64965
Southwood, D.J. *see* Mier-Jedrzejowicz, W.A.C. 9—62686
Southworth, F.H. *see* Miley, G.H. 9—76143
Southworth, H.N. *see* Walls, J.M. 9—54228
Southworth, S.B. *see* Adams, J.B. 9—68064
Southworth, S.H. *see* Poliakoff, E.D. 9—98130
Southworth, S.H. *see* Thornton, G. 9—86009
Souza, E.P.de *see* de Souza, E.P.
Souza, G.G.B.de *see* de Souza, G.G.B.
Souza, M.De *see* De Souza, M.
Soven, P. *see* Kirtley, J. 9—68285
Soven, P. *see* Levinson, H.J. 9—54923
Sovers, O.J. *see* Saito, T. 9—86124
Sovershennyi, V.D. *see* Aleksin, V.A. 9—86412
Sovershennyy, V.D. *see* Aleksin, V.A. 9—98697
Sovestnov, A.E. *see* Krutov, G.A. 9—60711
Sovetnikova, V.G., Zubenko, V.V., Umanskii, M.M. X-ray diffraction investigation of the concentration and temperature dependences of the lattice parameters of solid solutions of tungsten and molybdenum in rhenium 9—94965
Sovey, J.S. Ion beam sputtering of fluoropolymers 9—83353
Sovey, J.S. *see* Mirtich, M.J. 9—87752
Sovrano, M. *see* Lazzarin, R. 9—62134
Sovter, V.V. *see* Shpenik, O.B. 9—54974
Sow-Hsin Chen, Rahman, A. A scaled Boltzmann theory for k-dependent test particle correlation functions in moderately dense gases 9—68894
Sow-Hsin Chen *see* Holz, M. 9—62215
Sow-Hsin Chen *see* Kotlarchyk, M. 9—92193
Sowa, J.M. *see* Ivory, D.M. 9—91031
Sowada, U., Holroyd, R.A. Laser photodetachment of electrons from O_2^- in nonpolar liquids 9—64057
Soward, A.M. Thermal and magnetically driven convection in a rapidly rotating fluid layer 9—50808
Sowden, R.J. *see* Goodison, C.E. 9—100923
Sowerby, M.G. Nuclear incineration strategies 9—85704
Sowerby, M.G. A note on the capture gamma-ray spectrum of natural Ti produced by thermal neutrons 9—93629
Sowerby, M.G. *see* Haste, T.J. 9—82265
Sowinska, M. *see* Bartecki, A. 9—76441
Sowinski, M. *see* Baldin, A.M. 9—72125
Sowinski, M. *see* Czyzewski, T. 9—67784
Soyama, Y. *see* Ogiyama, H. 9—79091
Soyano, T. *see* Noguchi, T. 9—101075, 9—101090
Soydan, E. *see* Yulek, G. 9—79655
Soyeur, M., Brown, G.E. Contribution of the crust to the neutrino luminosity of neutron stars 9—97018
Sozaev, V.A. *see* Pokrovskii, N.L. 9—73175
Sozanski, A.G., Cronan, D.S. Ferromanganese concretions in Shebandowan Lakes, Ontario 9—84257
Soziyev, R.I. An analysis of the boiling crisis 9—90247
Soziyev, R.I. Voids fraction in boiling flow 9—90249
Soziyev, R.I. *see* Labuntsov, D.A. 9—90310
Sozou, C. Development of the flow field of a point force in an infinite fluid 9—59961
Sozou, C. *see* Pickering, W.M. 9—94693
Soz'yev, R.I. *see* Labuntsov, D.A. 9—90248
Spada, G. *see* Ferrari-Toniolo, M. 9—53829
Spada, G. *see* Maceroni, C. 9—80337
Spadaccini, G. *see* de Rosa, A. 9—63652
Spadaccini, G. *see* Sandoli, M. 9—68174
Spadoni, M. *see* Rasotti, G. 9—67953
Spaepen, F., Turnbull, D. Negative pressures and melting point depression in oxide-coated liquid metal droplets 9—60485
Spaepen, F., Turnbull, D. Kinetics of motion of crystal-melt interfaces 9—69040
Spaepen, F. *see* Taub, A.I. 9—66122
Spaepen, F. *see* Turnbull, D. 9—69024
Spaeth, J.M. *see* Hoentzsch, C. 9—56609
Spaeth, J.M. *see* Lohse, F. 9—73987
Spagna, R. *see* Giacovazzo, C. 9—50921
Spagnolo, F.A., Burke, E.A. Two-determined numerical self-consistent atomic orbitals: application to ^{11}B 9—93937
Spagnolo, R. *see* Benedetto, G. 9—50473
Spahn, G. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Spahr, G.L. Densification-related pellet diameter shrinkage in low burnup thoria base fuels 9—54510
Spain, I.L. *see* Ayasse, J.B. 9—51190
Spajer, M., Goedgebuer, J.-P. Interferometric studies of the dimensional variations of silicone elastomers 9—94195
Spakauskas, V.V. *see* Sivtsev, V.I. 9—63895
Spal, R. *see* Chiang, C.K. 9—65466
Spalden, Y.V. *see* Baberschke, K. 9—82869
Spalding, D.B. *see* Abdelmeguid, A.M. 9—90253
Spalding, D.R. *see* Kemm, K.R. 9—73223
Spalding, J.D. *see* Mewaldt, R.A. 9—92741
Spalek, J., Oles, A.M., Chao, K.A. Effective exchange interactions and magnetic ground state of strongly correlated electrons 9—61036
Spamer, E. *see* Gross, W. 9—71817
Spamer, E. *see* Schneider, R. 9—75847
Spang, H.A., III *see* Baheti, R.S. 9—80919
Spanget-Larsen, J. *see* Thulstrup, E.W. 9—72360
Spangler, J.D., Rosenkilde, C.E. Infinite cloud model of electrification by the precipitation mechanism in the presence of high rates of ion generation 9—84388
Spangler, S.R. An alternative to in situ acceleration processes in extragalactic radio sources 9—101210
Spangler, S.R., Cordes, J.M., Meyers, K.A. Scintillating confusion: evaluation of a technique for measuring compact structure in weak radio sources 9—96922
Spanier, J. A new family of estimators for random walk problems 9—49165
Spanjaard, D., Jepsen, D.W., Marcus, P.M. Scattering matrix method for surface states applied to Al (001) 9—60894
Spanjaard, D., Mills, D.L., Beal-Monod, M.T. Reinforcement of the low temperature surface ferromagnetic instability of liquid ^3He due to the attraction between ^3He and the wall. Suggested neutron experiment 9—51373
Spanjaard, D. *see* Creuzet, G. 9—78078
Spanjaard, D. *see* Mischler, J. 9—61475
Spanjaard, D. *see* Noguera, C. 9—69445
Spano, G. *see* Aramu, F. 9—65936
Spano, M.L. *see* Bhagat, S.M. 9—73818
Spanoche, E. *see* Cornea, I. 9—57877
Spaozhnikov, M.G. *see* Balestra, F. 9—85437
Spargo, A.E.C. *see* Bursill, L.A. 9—58844
Sparks, D.C. *see* Perry, D.G. 9—89562
Sparks, D.T., Stanley, C.J., McCardell, R.K. Film boiling behavior in a nine-rod cluster 9—89444
Sparks, D.W., Ardell, L.A., Bourgeois, M., Wiedmer, B., Kuhl, P.K. Investigating the MESA (multipoint electrotactile speech aid): the transmission of connected discourse 9—50529
Sparks, L.L. Low-temperature magnetothermal conductivity of selected metals 9—67317
Sparks, M., Flannery, M. Simplified description of multilayer dielectric reflectors 9—89984
Sparks, M., Loh, E., Jr. Temperature dependence of absorptance in laser damage of metallic mirrors. I. Melting 9—81470
Sparks, M., Loh, E., Jr. Temperature dependence of absorptance in laser damage of metallic mirrors. II. Vaporization and heating the vapor 9—81471
Sparks, M. *see* Flannery, M. 9—72644
Sparks, R. *see* Boyd, D.P. 9—66521
Sparks, R.H., Rusta, D. Nickel-cadmium battery reconditioning and long term performance in geosynchronous orbit spacecraft 9—52929
Sparnaay, M.J. *see* Wierenga, P.E. 9—99600
Sparrow, E.M., Baliga, B.R., Patankar, S.V. Forced convection heat transfer from a shrouded fin array with and without tip clearance 9—55376
Sparrow, E.M., Kemink, R.G. The effect of a mixing tee on turbulent heat transfer in a tube 9—68812
Sparrow, E.M., Kemink, R.G. Heat transfer downstream of a fluid withdrawal branch in a tube 9—77255
Sparrow, E.M., Laing, L.R. Heat transfer bibliography 9—68700
Sparrow, E.M., Ramsey, J.W., Mass, E.A. Effect of finite width on heat transfer and fluid flow about an inclined rectangular plate 9—81884
Sparrow, E.M. *see* Cur, N. 9—81885
Sparrow, E.M. *see* Koram, K.K. 9—55377
Sparrow, E.M. *see* Patankar, S.V. 9—81979
Spartalian, K., Lang, G., Reed, C.A. Mossbauer effect study of the magnetic properties of the intermediate-spin complex perchlorato (meso-tetraphenylporphinato) iron (III) 9—99802
Sparzani, A. *see* Gallone, F. 9—88826
Spasov, K.I. *see* Petkov, V.I. 9—68822
Spasskii, M.N., Opal'chuk, A.S., Fishman, K.K. Electron microscopic study of the structure of steel U8A after LTMT 9—79008
Spasskii, M.N. *see* Zharkov, V.G. 9—99036
Spassky, N., Reix, M., Guette, J.-P., Guette, M., Sepulchre, M.O., Blanchard, J.-M. Resolution of α-aminoacids by stereoselective hydrolysis of their esters catalyzed by transition metal chiral complexes immobilized on polymeric supports 9—66438
Spassov, M. *see* Boyadzhiev, L. 9—64808
Spatschek, K.H. Adiabatic behavior of sine-Gordon solitons in the presence of perturbations 9—49093
Spatschek, K.H. *see* Laedke, E.W. 9—64860
Spaude, H.-W. *see* Albrecht, H. 9—54169
Spazzini, G. Instanton classical solution of a conformally invariant field theory 9—93285
Spear, K.E. *see* Bhalla, A.S. 9—66000
Spear, K.E. *see* Brun, M.K. 9—91577
Spear, K.E. *see* Hong, J.-D. 9—91638
Spear, R.H. *see* Fewell, M.P. 9—67651
Spear, W.E. Electronic properties of substantially doped amorphous semiconductors 9—87175
Spear, W.E., Le Comber, P.G., Kalbitzer, S., Muller, G. Doping of amorphous silicon by alkali-ion implantations 9—60835
Spear, W.E. *see* Austin, I.G. 9—61419
Spear, W.E. *see* Bertolotti, M. 9—69921
Spear, W.E. *see* Jones, D.I. 9—60834
Spear, W.E. *see* le Comber, P.G. 9—65477
Spears, D.L., Kingston, R.H. Anomalous noise behavior in wide-bandwidth photodiodes in heterodyne and background-limited operation 9—69568
Spears, D.L. *see* Sutton, E.C. 9—67115
Spears, D.P., Allen, J.D., Ritchie, R.H., Birkhoff, R.D., Anderson, V.E., Becker, R.S., Hubbell, H.H., Jr., Ferrell, T.L. Scattering of low-energy electrons on micron-size pinholes 9—81351
Spears, W.R. *see* Hancox, R. 9—71976
Specht, E.R., Paschall, R.K., Chung, D.K., Jackola, A.S. Hydraulic tests on an inherent secondary shutdown assembly for LMFBRs 9—49666
Specht, H. *see* Schmidt, M. 9—58062
Specht, H.J. *see* Harrach, D. 9—93879
Specht, H.J. *see* Ulfert, G. 9—71856
Specht, H.J. *see* von Harrach, D. 9—76044
Specht, J.R. *see* Bowles, T. 9—93663
Specht, J.R. *see* Holt, R.J. 9—89267
Specht, L. *see* Lawton, S.A. 9—86159
Specker, S.R., Crowther, R.L., Haun, J.M. Optimization of the BWR for once-through fuel cycles 9—85590
Specker, S.R., Fennern, L.E., Brown, R.E., Stark, K.L., Crowther, R.L. The BWR control cell core improved design 9—85593
Specker, S.R. *see* Crowther, R.L. 9—59138
Spector, D.N. *see* Sethian, J.D. 9—76167
Spector, H.N. Electromagnetic generation of ultrasound in semiconductors 9—51639
Spector, H.N. *see* Arora, V.K. 9—91083
Spector, H.N. *see* Economou, J.E. 9—90056
Spectro, N. *see* Boehm, L. 9—61430
Spedding, F.H. *see* Habenschuss, A. 9—64975, 9—69000
Speed, B. *see* Artyukh, V.S. 9—53921
Speer, R.J., Chrisp, M., Turner, D., Mrowka, S., Tregidgo, K. Grazing incidence interferometry: the use of the Linnik interferometer for testing image-forming reflection systems 9—76891
Spehler, D. *see* Lopes, J.L. 9—63393
Speich, D.M. *see* Wilson, R.M. 9—62802
Speich, P. Lignite: an abundant raw material of the future 9—92054
Speidel, K.-H. *see* Goldberg, M.B. 9—76313
Speidel, K.-H. *see* Kumbartzki, G.J. 9—99800

Speight, J.D., Acknam, G.R., Ashwell, G.W.B., Davies, G.J., Heckingbottom, R., Todd, C.J. The effect of source material impurities on compositional stratification in evaporated AuGe films 9−77951
Speight, J.D. *see* McMahon, R.A. 9−79128
Speir, L.G. *see* Bowersox, D.F. 9−85589
Speir, L.G. *see* Crane, T.W. 9−81067
Speirs, M. *see* Palmer, M.H. 9−49937
Speirs, R.S. *see* Cooper, W.D. 9−79250
Speis, T.P. *see* Riehm, P.F. 9−89420
Speiser, S. Gain measurements of the anthracene-perylene energy transfer dye laser 9−59695
Speiser, S. Dye lasers and intermolecular and intramolecular energy transfer processes 9−72562
Spekreijse, H. *see* Schellart, N.A.M. 9−79538
Spektor, S.A. *see* Stolyarov, S.I. 9−49253
Spektor, Yu.E. *see* Leonov, V.V. 9−96110
Spelbring, D. *see* Chaney, D. 9−89308
Speller, E., Staudenmayer, B., Kempter, V. Quenching cross sections for alkali-inert gas collisions 9−76505
Spellicy, R.L. *see* Watkins, W.R. 9−80010
Spelman, F.A., Pinter, R.B. Low-frequency dynamics of the iliac artery of the unanesthetized baboon 9−83816
Spence, D.A. *see* Turcotte, D.L. 9−84194
Spence, J. *see* Boyle, J.T. 9−93707
Spence, J.C.H., Kolar, H. Lattice imaging of faulted dipoles in silicon 9−60375
Spence, R.D. *see* McElearney, J.N. 9−60337
Spence, W. *see* Pitt, A.M. 9−92494
Spence, W.L. *see* Brower, R.C. 9−71716
Spencer, B.W., Bova, L., Goldfuss, G.T., Henry, R.E., Raridon, D. CAMEL seven-pin fuel sweepout tests 9−85669
Spencer, B.W., Henry, R.E., Jones, B.G. System hydraulic effects on fuel sweepout in the hypothetical TOP accident 9−85670
Spencer, B.W., Roth, R.L., Goldfuss, G.T., Henry, R.E. Results of fuel freezing tests with simulated CRBR-type fuel pins 9−85671
Spencer, B.W. *see* Jones, B.G. 9−54515
Spencer, C.D., Mueller, P. Multichannel analyzer built from a microcomputer 9−58490
Spencer, D.P. *see* Brewer, J.H. 9−56678
Spencer, E.A. *see* Levie, S.A. 9−68866
Spencer, E.A. *see* Mattingly, G.E. 9−68892
Spencer, E.A. *see* Narjes, L. 9−72979
Spencer, E.A. *see* Dijstelbergen, H.H. *(editor)* 9−68839
Spencer, E.G. *see* Lemons, R.A. 9−65949
Spencer, G.H. *see* Irving, B.R. 9−86231
Spencer, H.H. *see* Sechler, E.E. 9−81713
Spencer, J. *see* Berndt, M. 9−68025
Spencer, J. *see* Brunk, W. 9−68080
Spencer, J. *see* Minehart, R. 9−76032
Spencer, J.E. *see* Ray, L. 9−63669
Spencer, J.H., Johnston, K.J., Moran, J.M., Reid, M.J., Walker, R.C. The structure of H_2O masers associated with late-type stars 9−71037
Spencer, M. *see* Staynov, D.Z. 9−62179
Spencer, N.W., Carignan, G.R., Mayr, H.G., Niemann, H.B., Theis, R.F., Wharton, L.E. The midnight temperature maximum in the Earth's equatorial thermosphere 9−84555
Spencer, N.W. *see* Chandra, S. 9−74998
Spencer, N.W. *see* Hedin, A.E. 9−53591
Spencer, N.W. *see* Hoegy, W.R. 9−58139
Spencer, N.W. *see* Mayr, H.G. 9−75005, 9−84556
Spencer, N.W. *see* Torr, D.G. 9−96856
Spencer, P.A. *see* Hughes, D.G. 9−61265, 9−95666
Spencer, P.J. *see* Nussler, H.D. 9−91618
Spencer, P.J. *see* Seah, M.P. 9−61721
Spencer, R. *see* Brown, M.C. 9−74730
Spencer, R.B. *see* Randic, M. 9−59336
Spencer, R.E. *see* Booth, R.S. 9−75295
Spencer, R.E. *see* Brown, R.L. 9−62928
Spencer, R.L., Lawler, J.E., Anderson, L.W. Stimulated Thomson scattering 9−94801
Spencer, R.P. *see* Dhawan, V.M. 9−70612
Spencer, R.P. *see* Klopper, J.F. 9−62411
Spencer, R.R., Erdmann, D.E. Azomethine H colorimetric method for determining dissolved boron in water 9−92115
Spendel, W.U. *see* Gillies, R. 9−97409
Spender, P. *see* Ben Rais, A. 9−96224
Spengler, J. *see* Drijard, D. 9−80853, 9−89150, 9−89198
Spengler, J. *see* Hofmann, W. 9−76273
Spenner, B.F. *see* Mead, C.N. 9−66572, 9−70674
Spenner, K. *see* Knudsen, W.C. 9−58251
Spenner, K. *see* Munther, Ch. 9−58160
Spenser, P.M. *see* Aitken, D.K. 9−75261
Speranskaya, E.M. *see* Khrebtov, A.P. 9−82954
Speranskaya, E.M. *see* Krinchik, G.S. 9−87465
Speranza, A. *see* Buzzi, A. 9−100928
Sperb, R., Stakgold, I. Estimates for membranes of varying density 9−68564
Sperb, R.P. Nonlinear diffusion-reaction problems with time-dependent diffusion coefficient 9−98823
Sperber, D. *see* Garpman, S.I.A. 9−93651
Sperber Haas, S. *see* Axen, K. 9−100654
Sperinde, S.J. *see* Shvartz, E. 9−100576
Speriosu, V.S., Glass, H.L., Kobayashi, T. X-ray determination of strain and damage distributions in ion-implanted layers 9−69116
Sperkach, V.S. *see* Cholpan, P.F. 9−90732
Sperling, G., Melchner, M.J. The attention operating characteristic: examples from visual search 9−57641
Sperling, J.L. General quasi-linear theory of parametric instabilities 9−60130
Sperling, J.L., Cheng Chu Aspects of nonlinear heating by lower hybrid waves 9−90422
Sperling, K. *see* Johnson, R.T. 9−57611
Sperling, N. Examining planet Earth 9−84280
Sperling, S.M., Reed, J.H., Shreve, D.C., Orphan, V.J. MAZAS: a line-intensity estimation code for the analysis of aerial radiometric data 9−62627
Sperr, P., Essel, H., Korner, H.J., Rehm, K.E. Fragmentation of the total cross section in the reaction of $^{16}O+^{208}Pb$ 9−67775
Sperr, P. *see* Rehm, K.E. 9−97725
Sperr, P. *see* Zierl, R. 9−63701, 9−85835
Sperrazza, J.M. *see* Smialowicz, R.J. 9−100667
Sperry, W.C., Beer, G.A., Dixit, M.S., Kim, S.K., Macdonald, J.A., Mason, G.R., Olin, A., Pearce, R.M., Sabev, C., Wiegand, C. Z-dependence of the intensity of $|\Delta n|=2$ pionic X-rays 9−94111
Speth, J., Henning, W., Kienle, P., Meyer, J. Isomer shifts and nuclear models 9−85385
Speth, J. *see* Wambach, J. 9−85432
Spevakova, I.P. *see* Fedoseeva, N.V. 9−69687
Speybroeck, L.van *see* van Speybroeck, L.
Spezeski, J.J. *see* Ryan, S.R. 9−86079
Speziale, C.G. Invariance of turbulent closure models 9−68683
Speziale, T., Catto, P.J. Cold plasma wavebreaking in the presence of an electromagnetic driver 9−64850
Spicer, B.M. *see* Anwar Chaudri, M. 9−57311
Spicer, B.M. *see* Wild, L.W.J. 9−93609
Spicer, C.W., Joseph, D.W., Sticksel, P.R., Ward, G.F. Ozone sources and transport in the northeastern United States 9−92110
Spicer, C.W., Schumacher, P.M. Particulate nitrate: laboratory and field studies of major sampling interferences 9−92105
Spicer, D.S. Non-thermal effects associated with steep temperature gradients in the transition zone 9−84771
Spicer, D.S. *see* Smith, D.F. 9−84777
Spicer, W.E., Lindau, I., Pianetta, P., Chye, P.W., Garner, C.M. Fundamental studies of III-V surfaces and the (III-V)-oxide interface 9−60637
Spicer, W.E. *see* Dupuis, R.D. 9−56933
Spicer, W.E. *see* Garner, C.M. 9−69586, 9−74272, 9−87141
Spicer, W.E. *see* Johannessen, J.S. 9−52055
Spicer, W.E. *see* Kordos, P. 9−60645
Spicer, W.E. *see* Skeath, P. 9−100019
Spicer, W.E. *see* Stefan, P.M. 9−77907
Spicer, W.E. *see* Weissman, D.L. 9−78833
Spiecker, W., Melzer, W., Luttgau, H.C. Extracellular Ca^{2+} and excitation-contraction coupling 9−74616
Spiegel, K. *see* Fricke, J. 9−68668, 9−81826
Spiegelberg, P., Andersson, Th. Yield loci of Zircaloy tubes. Results from an evaluation based on texture data and results from mechanical testing 9−91695
Spiegelglas, M. *see* Banks, T. 9−67500
Spiegelhauer, H. *see* Arens, J.F. 9−58249
Spiekerman, R.J.N., Van Der Elsken, J. Anisotropic density fluctuations around a probe molecule dissolved in fluid argon and krypton 9−54848
Spielbauer, G. Improved light bulb X-ray tube 9−62971
Spielberg, N. *see* De Vries, A. 9−86702
Spieler, H. *see* Essel, H. 9−67705
Spier, E.E. Stability of graphite/epoxy structures with arbitrary symmetrical laminates 9−61649
Spiers, F.W. *see* Ashton, T. 9−92383
Spies, B.R. Scale model studies of a transient electromagnetic prospecting system using an interactive minicomputer 9−62604
Spies, F. *see* Naumann, F.K. 9−70267
Spies, G.O. *see* Nelson, D.B. 9−73000
Spiesberger, W. Mammogram inspection by computer 9−57757
Spiess, G. *see* Pradel, P. 9−54964
Spiess, M., Gruehn, R. H-$ZnSO_4$, the first sulphate with a cubic H-cristobalite structure 9−51089
Spiesser, M. *see* Conan, A. 9−91047
Spieweck, F. *see* Foth, H.J. 9−94024
Spiga, A. *see* Anedda, A. 9−56757
Spiga, A. *see* Aresti, A. 9−61040
Spiga, G. *see* Boffi, V.C. 9−97324
Spiga, G. *see* Dorning, J. 9−80985, 9−97326, 9−97327
Spiga, G. *see* Pescatore, C. 9−50756
Spight, C. *see* Coppi, B. 9−98862
Spigulis, Ya. Kinetic studies of energy transfer from metastable mercury 6^3P_0 atoms to sodium atoms in the Hg-Na-N_2 mixture 9−54952
Spiker, C.T. *see* Fischer, J.A. 9−84183
Spikhal'skii, A.A. *see* Prokhorov, A.M. 9−64339
Spillane, K.T. Atmospheric characteristics on high oxidant days in Melbourne 9−70484
Spillar, E.J. *see* Stiening, R.F. 9−88686
Spillman, W.B., Jr. Mechanical one-to-many fiber-optic switch 9−76814
Spillman, W.B., Jr. *see* McMahon, D.H. 9−59845
Spindel, P. *see* Brout, R. 9−88773
Spindel, P. *see* McLenaghan, R.G. 9−97277
Spindler, G. Coupling of thermal and nuclear modes at highly evolved stars 9−84785
Spinella, G.M., Andrews, J.T.S., Bacon, W.E., Fort, R.C., Jr., Sabo, J. Diamantane: heat capacity (300 to 540K) and thermodynamics of transition and fusion 9−55899
Spinelli, D. *see* Fiorentini, A. 9−53105
Spinelli, D.Nico *see* Nico Spinelli, D.
Spinelli, E. *see* Della Corte, M. 9−53180
Spinelli, G. First-order Lagrangian field theories of gravitation without gauge invariance 9−63121
Spinelli, N. *see* Armenante, M. 9−54997
Spinelli, P. *see* Cutts, D. 9−85346
Spinetti, M. *see* Bacci, C. 9−93440
Spinetti, M. *see* Celio, R.B. 9−93425
Spingarn, J.R., Barnett, D.M., Nix, W.D. Theoretical descriptions of climb controlled steady state creep at high and intermediate temperatures 9−95074
Spinhirne, J.D., Green, A.E.S. Calculation of the relative influence of cloud layers on received ultraviolat and integrated solar radiation 9−70883
Spink, P.C. Scottish snow beds in summer 1978 9−100882
Spinka, H. Pure spin total cross sections 9−63539
Spinks, T.J. Effect of size and composition of the body on absolute measurement of calcium in vivo 9−92350
Spinner, B., Daguenet, M., Maurin, G. Cathodic deposition of cobalt for use as a solar selective surface 9−52133
Spinolo, G. *see* Cingolani, A. 9−60507
Spinolo, G. *see* Pollini, I. 9−78658
Spinrad, H. *see* Liebert, J. 9−58339
Spinrad, H. *see* Smith, H.E. 9−92876
Spinrad, H. *see* Stauffer, J. 9−62851, 9−92858
Spinzi, A. *see* Glodeanu, F. 9−61551
Spinzi, M. *see* Glodeanu, F. 9−61551
Spires, L.D. *see* Kiefl, R.F. 9−56679
Spiric, V., Stojic, M., Kostoski, D. Lattice defects in neutron irradiated germanium 9−55789
Spiric, V. *see* Kostoski, D. 9−55779
Spiric, V. *see* Stojic, M. 9−55930
Spiridonov, A.I., Kuz'min, M.V. The use of polyhedral prisms for testing theodolites 9−67370
Spiridonov, E.G. *see* Barykin, B.M. 9−87603
Spiridonov, E.I. *see* Dubov, B.S. 9−67286
Spiridonov, G.A. *see* Sychev, V.V. 9−86866
Spiridonov, V.P., Maimin, Z.G., Gershikov, A.G. A simple method for non-parametric estimation of the probability distribution function of diatomic molecules by electron diffraction 9−86066
Spiridonov, V.P., Prikhod'ko, A.Y., Butayev, B.S. Computer-generated backgrounds for gas-phase electron-diffraction analysis 9−97368
Spiridonov, V.P. *see* Demidov, A.V. 9−81293
Spiridonov, V.P. *see* Erokhin, E.V. 9−68330
Spirin, A.I. *see* Kirillov, V.I. 9−73343
Spirin, V.V. *see* Slutskovskii, A.I. 9−74984, 9−74985
Spirina, T.I. *see* Berkengeim, A.B. 9−75643
Spirio, C.A. *see* Bowersox, D.F. 9−85589
Spirko, V. Electric anharmonicity in XY_3 pyramidal molecules. The dipole moment function of $^{14}NH_3$ and $^{15}NH_3$ 9−59598
Spir'kova, E.S. *see* Mineev, Yu.V. 9−84620
Spir'kova, Ye.S. *see* Mineyev, Yu.V. 9−62693
Spiro, M. *see* Allemand, L. 9−81126
Spiro, M. *see* Locci, E. 9−81127
Spiro, T.G. *see* Dallinger, R.F. 9−59451
Spirtus, G.A., Fominykh, I.P., Peregudov, L.V. Structural strength of malleable iron with divorced pearlite 9−96049
Spital, R.D. Beam hardening artifacts in computerized tomography 9−83931
Spitaleri, C. *see* Barbarino, S. 9−67759
Spite, F. *see* Spite, M. 9−80302
Spite, M., Spite, F. Differential analysis of the extreme metal-deficient stars HD 84903 and HD 184711 relative to the halo star HD 122563 9−80302
Spitsyn, A.V. *see* Antonenko, A.Kh. 9−90707
Spitsyn, A.V. *see* Konorova, E.A. 9−77630
Spitsyn, V.I., Krasovskii, A.I., Balakhovskii, O.A. Temperature dependence of hardness of technetium and hot plastic strain of technetium 9−74202
Spitsyn, V.I., Pirogova, G.N., Stel'makh, N.S., Ryabov, A.I. Short-lived optical absorption in irradiated ZnSe 9−51989
Spitsyn, V.I. *see* Troitskii, O.A. 9−57002, 9−79021, 9−91761
Spitz, A.L., Harrison, D.C. Automated family classification in ambulatory arrhythmia monitoring 9−66566
Spitz, C.J. *see* Pfeifer, C.J. 9−71876

Spitz, J., Tran Van Danh, Aubert, A. Chromium black coatings for photothermal conversion of solar energy. I. Preparation and structural characterization 9—74544
Spitz, J. *see* Mazuer, J. 9—73618
Spitz, J. *see* Sharma, S.K. 9—65345
Spitz, S. *see* Jacquemin, C. 9—49581, 9—67683
Spitzer, D., Wernand, M.R. Photon scalar irradiance meter 9—79436
Spitzer, H. *see* Berger, C. 9—49519
Spitzer, H. *see* Kataoka, Y. 9—51020
Spitzer, J.J., Olofsson, V., Paul Singh, P., Hepler, L.G. Apparent molar heat capacities and volumes of aqueous electrolytes at 298.15K: $Ca(NO_3)_2$, $Co(NO_2)_3$, $Cu(NO_3)_2$, $Mg(NO_3)_2$, $Mn(NO_3)_2$, $Ni(NO_3)_2$, and $Zn(NO_3)_2$ 9—65208
Spitzer, L., Jr. History of the Space Telescope 9—84928
Spitzer, L., Jr., McGlynn, T.A. Disorientation of interstellar grains in suprathermal rotation 9—92824
Spitzer, N.C. Ion channels in development 9—96549
Spitzer, W.G., Ko, J.S., Waddell, C.N., Fredrickson, J.E., Hubler, G.K. Plasma region in high-fluence implants of phosphorus in amorphized silicon 9—86807
Spitzer, W.G. *see* Hubler, G.K. 9—82248
Spitzy, H. *see* Wegscheider, W. 9—57340
Spivack, H. *see* Kayser, B. 9—89144
Spivack, M. *see* Ilan, A. 9—50626
Spivak, B.Z. *see* Zelikman, M.A. 9—51732
Spivak, G.V., Rau, E.I., Karelin, N.M., Nazarov, M.V. A method for measuring the local voltages using a scanning electron microscope 9—54156
Spivak, G.V. *see* Golubkov, V.V. 9—95619
Spizzichino, A. *see* Cline, T.L. 9—101218
Spjeldvik, W.N. Expected charge states of energetic ions in the magnetosphere 9—80105
Splunter, J.M.van *see* van Splunter, J.M.
Spodick, D.H., Haffty, B.G., Kotilainen, P.W. Noninvasive ambulatory monitoring of physiologic data: recording systolic time intervals 9—66574
Spohn, H. Boltzmann equation on a lattice: existence and uniqueness of solutions 9—80537
Spohn, H. *see* Dumcke, R. 9—88883
Spohn, H. *see* Lebowitz, J.L. 9—58620
Spohr, R. *see* Heitmann, H. 9—51829
Spong, D.A., Harris, E.G., Hedrick, C.L. Kinetic transport properties of a bumpy torus with finite radial ambipolar field 9—55469
Spong, D.A. *see* Knoepfel, H. 9—64892
Spooner, D.C. *see* Reynolds, W.N. 9—52545
Spore, J.W. *see* MacDonald, P.E. 9—81024
Sporov, E.A. *see* Bratashevskii, A.S. 9—85305
Sporov, E.A. *see* Get'man, V.A. 9—63487, 9—89170
Sporrel, F. *see* Taff, L.M. 9—89550
Sporyagin, E.A. *see* Dmitriyev, Yu.G. 9—68670
Spoto, G. *see* Ricci, G. 9—96617
Spoto, T., Freeman, J. Microprocessor based real-time systolic time interval system 9—79681
Spottiswoode, S.M. *see* McGarr, A. 9—84152
Spowart, A.R. Energy transfer in cerium-activated silicate glasses 9—95821
Spowart, A.R. Energy transfer in terbium-activated silicate glasses 9—95822
Spracklen, C.T. *see* Jones, T.B. 9—58179
Sprang, H.A.Van *see* Van Sprang, H.A.
Sprang, S., Yang, D., Fletterick, R.J. Solvent accessibility properties of complex proteins 9—83696
Sprangle, P., Drobot, A.T. Stimulated backscattering from relativistic unmagnetized electron beams 9—77345
Sprangle, P., Roberson, C.W., Cha-Mei Tang Collective ion acceleration with an intense REB in a periodic waveguide 9—72018
Spratte, W., Schneider, G.M. Smectic polymorphism of some bis-(4,4′-n-alkoxybenzylidene)-1,4-phenylenediamines up to 3 kbars by differential thermal analysis 9—55873
Spravtsev, V.T. *see* Andrievskii, R.A. 9—77640
Spray, J.C. *see* Linford, R.G. 9—63255
Spreadbury, P.J., Everhart, T.E. Ultra-stable portable voltage sources [for calibration] 9—67351
Sprenger, D. *see* Esser, B. 9—99938
Spriggs, R.M. *see* Notis, M.R. 9—74113
Springborn, H.-D. *see* Weckenmann, A. 9—49197
Springer, D.A., Alexander, L.J. Automated perimetry 9—92402
Springer, D.L. *see* Marshall, P.D. 9—66642
Springer, G.S., Mashtizadeh, S.A., Keller, R.B. Electrical hazards posed by graphite fibers 9—91111
Springer, G.S. *see* Aggarwal, M.C. 9—68897, 9—68898
Springer, G.S. *see* Loos, A.C. 9—61897
Springer, G.S. *see* Wang, J.C.F. 9—98852
Springer, H. General purpose oscilloscope with GHz bandpass 9—88936
Springer, R.W., Ott, N.L., Catlett, D.S. Effect of periodic chemical variation on the mechanical properties of Ta foils 9—91590
Springer, T. Investigation of vibrations in metal hydrides by neutron spectroscopy 9—82296
Springer, T. *see* Ait-Salem, M. 9—90818
Springer, T. *see* Lottner, V. 9—60550
Springford, M. *see* Elliot, M. 9—65361
Springis, M.J. *see* Kulis, P.A. 9—83021
Springmann, B. *see* Schneider, J. 9—61189
Sprissler, B. *see* Viswanadham, R.K. 9—79099
Sprizhitskii, Yu.A. *see* Manenkov, A.A. 9—87047
Sproles, E.S., Jr., Duquette, D.J. Results of high resolution slip measurements in a fretting experiment 9—61830
Spross, R.L. *see* Becchetti, F.D. 9—67694
Sprott, G.F. *see* Markert, T.H. 9—80243
Sprott, J.C. *see* Lipschultz, B. 9—73029
Sproule, G.I. *see* Caplan, D. 9—61790
Sprouse, G.D. *see* Delayen, J.R. 9—67986
Sprouse, G.D. *see* Mahnke, H.-E. 9—56647
Spruch, L., Shakeshaft, R. Classical cross section for charge transfer via 'knock-on' capture from high-Rydberg states at asymptotically high impact velocities 9—54965
Spruch, L. *see* Aronson, I. 9—72375
Spruch, L. *see* Shakeshaft, R. 9—97700
Spruck, A. *see* James, P.B. 9—84715
Spruit, H.C. Convective collapse of flux tubes 9—66989
Spruit, H.C., Zweibel, E.G. Convective instability of thin flux tubes 9—75183
Sprung, D.W.L., Lie, S.G., Vallieres, M., Quentin, P. Collective gyromagnetic ratio and moment of inertia from density-dependent Hartree-Fock calculations 9—93482
Sprung, D.W.L., Vallieres, M., Campi, X., Martorell, J. The charge density of ^{58}Ni 9—89260
Sprung, D.W.L. *see* Pantis, G. 9—75870
Sprunken, H.-R. *see* Schumacher, R. 9—50143
Sprussel, G. *see* Aspnes, D.E. 9—78705
Spruth, J. *see* Reimer, L. 9—65119
Spurk, J.H. On a torsional damper using a second order fluid 9—68615
Spurny, F. *see* Prouza, Z. 9—68113
Spurny, K. *see* Gentry, J.W. 9—90354
Spurny, Z. *see* Novotny, J. 9—65897
Spurr, A.R. *see* Halloran, B.P. 9—62416
Spuskanyuk, V.Z. *see* Chernyi, Yu.F. 9—52235
Spuskanyuk, V.Z. *see* Tkachenko, F.K. 9—52232
Spuy, E.van der *see* van der Spuy, E.
Spychaj, T., Lath, D., Berek, D. Thermodynamic and hydrodynamic properties of the systems polymer-tetrahydrofuran-water. I. Solution properties of polystyrene 9—96353
Spyrellis, N. *see* Amblard, J. 9—91693
Spyrou, N.M., Kerr, S.A. Cyclic activation: the measurement of short-lived isotopes in the analysis of biological and environmental samples 9—88217
Squier, E.D. *see* Fisher, F.H. 9—58109
Squier, G.T.A. *see* Batty, C.J. 9—76535, 9—98253
Squier, G.T.A. *see* Burcham, W.E. 9—93619
Squier, G.T.A. *see* Davies, J.D. 9—55008, 9—86088
Squire, A. Future plans for the design and construction of fast reactor power stations in the United States of America 9—97804
Squire, D.R. *see* Ma, C.C. 9—91952
Squires, E.J. On a derivation of the Salam-Weinberg model 9—49440
Squires, E.J. The bag model of hadrons 9—75736
Squires, P. *see* Hudson, J.G. 9—53443
Srebrny, J. *see* Lister, C.J. 9—93493
Sreckovic, A. *see* Napijalo, M.Lj. 9—56509, 9—56510, 9—56566
Sreckovic, S. *see* Napijalo, M.Lj. 9—56495
Sredin, V.G. Absorption spectra of ZnTe-CdTe films 9—52034
Sredin, V.G., Savitskii, V.G., Dorozhko, E.V., Karpinskii, B.A., Miliyanchuk, M.V., Petrovich, I.V. Optical spectra of HgTe-HgSe films in the fundamental absorption region 9—74012
Sreedhar, V. *see* Biswas, N.N. 9—63556
Sreedhar, V.A. *see* Eisner, R.L. 9—93451
Sreekantan, B.V. *see* Rao, U.R. 9—70943
Sreekanth, A.K. *see* Dutt, H.N.V. 9—98750
Sreenivas, T.V., Ananthapadmanabha, T.V. On sensitivity of vocal tract area functions 9—59887
Sreenivasan, K.R. *see* Antonia, R.A. 9—70843
Sreenivasiah, I., Ishimaru, A. Beam wave two-frequency mutual-coherence function and pulse propagation in random media: an analytic solution 9—76589
Sreseli, O.M. *see* Belyakov, L.V. 9—74276
Sridhar, B. *see* Sandor, T. 9—83900
Sridhar, V.N. *see* Parthasarathy, R. 9—49606
Sridhara, S. Possible altered trophic influences on frog heart during cold acclimation 9—83754
Sridharan, K. *see* Alvi, S.H. 9—68869
Sridharan, K.R., Ramakrishna, J., Krishnamurthy, S.S., Sudheendra Rao, M.N. Bromine nuclear quadrupole resonance of cyclophosphazene derivatives 9—76446
Sridharan, N.S., Broutman, L.J. Stress-cracking test anticipates part failure 9—74311
Sridharan, T. *see* Ramaswamy, K. 9—92551
Sridharan, U.C., DiGiuseppe, T.G., McFadden, D.L., Davidovits, P. Rate constants for the reactions of atomic boron with O_2, SO_2, CO_2, and N_2O 9—83445
Srikantaiah, T.K. *see* Ariaratnam, S.T. 9—68582
Srikanthan, R., McMahon, T.A. Generation of skewed annual flows using fast fractional Gaussian noise generator 9—53395
Srinath, L.S., Tewari, S.K. A methodology for evaluating the worth of a new energy resource with particular reference to wind energy utilisation in rural areas 9—70416
Srinivas, K. The biomedical engineer and the neurologist 9—96678
Srinivas, K., Gururaja, J. An improved form of the artificial diffusion parameter-χ 9—64649
Srinivas, M.D. Successive observations in relativistic quantum theory 9—88830
Srinivas, M.D. *see* Gnanapragasam, B. 9—75396
Srinivasa, S.R. *see* Cartz, L. 9—99106
Srinivasa Rao, A. Configurational heat capacities of ethyl alcohol and water 9—99331
Srinivasa Rao, K., Susila, S. An improved surface production model for the study of pion photoproduction from nuclei 9—85455
Srinivasa Rao, M., Sastry, D.L., Priyadarsini, D.K., Lakshminarayana, S., Seshagiri Rao, V. First forbidden beta decay in ^{149}Pm 9—49609
Srinivasa Rao, M. *see* Lakshminarayana, S. 9—80900
Srinivasamurthy, S. *see* Suri, R.K. 9—61956
Srinivasan, A., Kesavan, P.C. Influence of caffeine on sparing effect of dose fractionation in housefly larvae 9—100679
Srinivasan, G. *see* Srivastava, C.M. 9—61095
Srinivasan, H. *see* Ghista, D.N. 9—92268
Srinivasan, M. *see* Kumar, A. 9—89351
Srinivasan, M.S. *see* Wang, S.-T. 9—52948
Srinivasan, R., Ramachandran, V., Ibrahim, M.Md. Third-order elastic constants and the low-temperature limit of the Gruneisen parameter of magnesium stannide on Axe's shell model 9—73280
Srinivasan, R.K. *see* Venkataramana, J. 9—68625
Srinivasan, S. *see* Sundaram, K. 9—88049
Srinivasan, T.M. Advances in medical electronic equipment and their relevance in providing medicare facilities in India 9—96698
Srinivasan, V., Shrivastava, K.N. A soft mode in the Jahn-Teller effect 9—69221
Srinvasan, S. *see* Miles, M.H. 9—61864
Srirama Rao, M., Krishna Rao, D.A.V., Ramachandra Rao, B., Bhagiratha Rao, E. Diurnal and seasonal variations in the duty cycle of meteor forward scatter communication 9—88534
Srirama Rao, M., Raja Ratnam, S., Jaganmohana Rao, J.V. Rigorous method of normalization and analysis of visual meteor data 9—88627
Srirama Rao, M., Subrahmanyam, V. Lunar tidal effect on spread F 9—80070
Srirama Rao, M., Subrahmanyam, V. Analysis of fading of signals from spread-F irregularities observed simultaneously at different heights 9—101005
Srirama Rao, M. *see* Devara, P.C.S. 9—84753
Srirama Rao, M. *see* Hanumath Sastri, J. 9—101007
Srirama Rao, M. *see* Madhusudhana, B. 9—101002
Srirama Rao, M. *see* Subrahmanyam, V. 9—75034, 9—88535
Sriramulu, V., Ahmed, S.B. Analysis of a thermal storage unit for solar energy 9—57493
Sriramulu, V. *see* Domkundwar, V.M. 9—50764
Sriramulu, V. *see* Gandhidasan, P. 9—57464, 9—62025, 9—68709
Srirangarajan, H.R. Pulse response of a non-linear system 9—84962
Srirangarayan, H.R. *see* Tiwari, R.N. 9—94539
Sritharan, T., Jones, H. The creep of beta-cobalt at low stresses 9—79028
Srivastava, A. *see* Gupta, A.K. 9—98838
Srivastava, A. *see* Pande, K. 9—69988
Srivastava, A.K., Olander, D.R. Retention and release of water by UO_2 pellets 9—67923
Srivastava, A.P., Mathur, O.N. TSD study of pyrene picrate charge transfer complex 9—78610
Srivastava, A.P. *see* Bhargava, B. 9—78609
Srivastava, A.P. *see* Shrivastava, S.K. 9—78617
Srivastava, B.B. *see* Dhal, S.S. 9—72420, 9—89780
Srivastava, B.B. *see* Shingal, R. 9—81278
Srivastava, B.N. Auroral spectral intensities by electron impact excitation 9—84563
Srivastava, B.N., Werle, M.J., Davis, R.T. Numerical solutions of hypersonic viscous shock-layer equations 9—90280
Srivastava, B.N. *see* Jacob, J.H. 9—82044
Srivastava, C.M., Srinivasan, G., Nanadikar, N.G. Exchange constants in spinel ferrites 9—61095
Srivastava, D.N. *see* Dubey, G.K. 9—72852
Srivastava, G.P. Electronic structure of a neutral phosphorus vacancy in GaP and InP 9—78042
Srivastava, G.P., Bhatnagar, P.K. Theory of metal-oxide-semiconductor solar cells 9—87993
Srivastava, J.K., Supe, S.J. Glow curve behaviour of $CaSO_4$:Dy thermoluminescent phosphor in high dose region 9—49903
Srivastava, K.D. *see* Parekh, H. 9—86632

Srivastava, K.K., Kumar, A.A., Panwar, O.S., Lakshminarayan, K.N. Dielectric relaxation study of chalcogenide glasses 9—87382
Srivastava, K.K. *see* Panwar, O.S. 9—91045
Srivastava, K.K. *see* Singh, P. 9—72886, 9—79924
Srivastava, K.M. Effect of suspended particles on the thermal convection instability in hydromagnetics 9—53709
Srivastava, K.M. Collisional boundary layer analysis of the scrape-off layer in the poloidal field divertor 9—68944
Srivastava, K.M., Nyas, D.N. Parallel velocity shear instabilities in an inhomogeneous plasma 9—82050
Srivastava, K.N., Palaiya, R.M., Chouldhary, A. System of Griffith cracks lying at the interface of two bonded dissimilar elastic half-planes 9—64584
Srivastava, K.N. *see* Mansingh, A. 9—91333
Srivastava, K.P., Ojha, S.P. Coupling of defect-clusters in a linear chain-identical defects 9—51144
Srivastava, K.S. Influence of electron exchange energy on X-ray plasmon scattering by solids 9—56884
Srivastava, K.S., Harsh, O.K., Kumar, V. Chemical shifts of the X-ray L-absorption edges of Pb and Bi 9—52044
Srivastava, K.S., Shrivastava, R.L. Plasmon satellites in $K_{\beta 5}$ X-ray emission spectra of MnO_2 and $KMnO_4$ 9—99985
Srivastava, K.S., Shrivastava, R.L., Harsh, O.K., Kumar, V. Low-energy plasmon $K\beta'$ satellite in the $K\beta_{1,3}$ X-ray emission spectra of Mn, Cr, and their compounds 9—74020
Srivastava, K.S., Shrivastava, R.L., Kumar, V., Harsh, O.K. Calculation of bandwidths from the characteristic electron energy loss values 9—83057
Srivastava, K.S., Shrivastava, R.L., Kumar, V., Harsh, O.K., Sangal, S.S. Optical effects in the $K_{\beta 1}$ X-ray emission line of Fe_2O_3 9—91534
Srivastava, L.M., Agarwal, R.P. On unsteady viscous MHD flow through a porous channel with constant suction 9—72951
Srivastava, M.K. *see* Dutta, A.K. 9—67638
Srivastava, M.K. *see* Singh, S.N. 9—81285
Srivastava, M.L., Kumar, R., Lal, S.N. Degree of coupling and efficiency of energy conversion 9—74416
Srivastava, N.C. *see* Bajpai, S.N. 9—78355
Srivastava, N.C. *see* Gupta, S.S. 9—76557
Srivastava, O.N. *see* Fernandez, A.M. 9—94971
Srivastava, O.N. *see* Kaul, V.K. 9—95285
Srivastava, O.N. *see* Saxena, U. 9—77741, 9—99435
Srivastava, O.N. *see* Singh, A.K. 9—99446
Srivastava, O.S., Barnwal, S.P. Three dimensional shock waves in a gaseous medium containing dust particles 9—68788
Srivastava, P.K. *see* Sane, K.V. 9—81149
Srivastava, P.L. *see* Thakur, J. 9—78066
Srivastava, P.P., Kumar, P., Srivastava, S.L. Dielectric relaxation studies on benzothiazole 9—91346
Srivastava, R. *see* Raju, S. 9—78217
Srivastava, R.C., Jameson, A.R., Hildebrand, P.H. Time-domain computation of mean and variance of Doppler spectra 9—100972
Srivastava, R.C. *see* Garg, A. 9—69072
Srivastava, R.C. *see* Jameson, A.R. 9—79952
Srivastava, R.C. *see* Singh, J.N. 9—60116
Srivastava, R.C. *see* Verma, B.G. 9—55426
Srivastava, R.D., Mukerjee, R.C., Agarwal, A.K. Corrosion of electroplated Cu-Cd alloys and its inhibition 9—74287
Srivastava, R.D. *see* Farber, M. 9—79340, 9—91982
Srivastava, R.P. Effect of external static perturbation on radiative decay of a two-level atom 9—93949
Srivastava, R.S. *see* Rai, B.P. 9—82503
Srivastava, R.S. *see* Singh, J.P. 9—91149
Srivastava, S. *see* Swami, N.K. 9—57429
Srivastava, S.C. *see* Klopper, J.F. 9—62411
Srivastava, S.K. *see* Razdan, P. 9—92001
Srivastava, S.L. *see* Johri, G.K. 9—68225
Srivastava, S.L. *see* Sanyal, N.K. 9—81198
Srivastava, S.L. *see* Srivastava, P.P. 9—91346
Srivastava, S.N. *see* Kumar, V. 9—90799
Srivastava, S.N. *see* Sharma, M.K. 9—74424
Srivastava, V., Mookerjee, A., Joshi, S.K. Diffusion on the Cayley tree 9—69473
Srivastava, V.K. A note on thermoelastic torsional waves 9—92952
Srivastava, V.K. *see* Gupta, S.K. 9—82684
Srivastava, V.K. *see* Kapil, A.K. 9—76532, 9—78202
Srivastava, V.K. *see* Ravindra, N.M. 9—52935, 9—65377, 9—82520
Srivastava, Y. *see* Curci, G. 9—97580
Srivastava, Y. *see* Felicetti, F. 9—54341
Srivastava, Y. *see* Grillo, A.F. 9—85271
Srivastava, Y. *see* Pancheri-Srivastava, G. 9—71696
Srivastwa, D.N.S. *see* Sharan, V.B. 9—73976, 9—87473, 9—95834
Srivatsangam, S. Parametric study of large-scale eddy properties. I. Eddy fluxes 9—53436
Srivatsangam, S., Chi-Nan Hsiao Parametric study of large-scale eddy properties. II. The zonal scale 9—53437
Srivivasa Rao, A. *see* Nambinarayanan, T.K. 9—82272
Sroelov, V.S. *see* Kebadze, B.V. 9—71924
Sroka, J. *see* Krzeminski, S. 9—94448
Srokosz, M.A., Evans, D.V. A theory for wave-power absorption by two independently oscillating bodies 9—52874
Srutek, J. Some aspects of the big power modular steam generator development projection for the fast reactor nuclear power stations 9—76058
St-Jacques, R.G., Terreault, B., Martel, J.G., L'Ecuyer, J. Helium blistering in metals 9—60412
St-Onge, D.A. Protecting gentle slopes. Control of channelling in the Swan Hills 9—62533
St-Onge, H. *see* Duval, M. 9—100466
St-Pierre, C. *see* Rangacharyulu, C. 9—63663, 9—63674
Staa, R.Van *see* Van Staa, R.
Staab, E.V., McCartney, W.H. Role of gallium 67 in inflammatory disease 9—57770
Staaf, O. *see* Alvarez, E. 9—93945, 9—93951
Staal, H.U., Elen, J.D. Crack closure and influence of cycle ratio R on fatigue crack growth in type 304 stainless steel at room temperature 9—70139
Staas, F.A. *see* Haeringen, W. 9—93150
Staas, F.A. *see* Van Haeringen, W. 9—97394
Stabell, B. *see* Stabell, U. 9—53122
Stabell, U., Stabell, B. Scotopic hues of simultaneous contrast 9—53122
Stabinis, A. *see* Birmontas, A. 9—89949
Stabinis, A. *see* Danielius, R. 9—55187
Stabnikov, M.V. *see* Bakanov, L.V. 9—75988
Stabnikov, M.V. *see* Bunakov, V.E. 9—75882
Stabrovskii, S.A. *see* Efimov, I.A. 9—76101
Stace, A.J. A Monte Carlo study of energy transfer in thermal unimolecular reactions: an application to diatomic dissociation 9—81166
Stacey, D.N. *see* Baird, P.E.G. 9—50154
Stacey, F.D. *see* Davis, P.M. 9—92629
Stacey, T.W. *see* Common, A.K. 9—85014
Stacey, W.M., Jr., Abdou, M.A., Brooks, J.N., Charak, I., Clemmer, R.G., Dawson, J., Evans, K., Fasolo, J.A., Fuja, R., Harkness, S.D., Kustom, R.L., Maroni, V.A., Misra, B., Moenich, J., Moretti, A., Norem, J., Praeg, W.F., Smith, D.L., Stevens, H.C., Turner, L., Wang, S-T., Youngdahl, C.K. Tokamak experimental power reactor 9—71967
Stacey, W.M., Jr., Davidson, J.N. Burn phase control in short-pulse D-T burning Tokamak reactors 9—86604
Stacey, W.M., Jr., El-Derini, Z. Divertor and gas blanket model and studies 9—90445
Stacey, W.M., Jr. *see* Abdou, M.A. 9—76141
Stach, W. *see* Bittner, G. 9—67591
Stachel, J. *see* Papapetrou, A. 9—49116
Stachulec, A. *see* Stachulec, K. 9—56191
Stachulec, K., Stachulec, A. Kubo formalism for the electrical conductivity of thin wires 9—56191
Stachura, S. The causes of the formation of a stony fracture in steel worked plastically by forging 9—79059
Stachurowa, M. *see* Jasinski, A. 9—61238
Stachyra, L.J. *see* Swedish, M.J. 9—54549
Stack, J.D. *see* Bitar, K.M. 9—49399
Stack, J.D. *see* Neinast, R.A. 9—85236
Stacy, G.W. ACS Tenth Biennial education conference: Safety and Health in the Academic Laboratory. Recommendations by the participants 9—80387
Stacy, W.T. *see* de Kock, A.J.R. 9—69120
Stacy, W.T. *see* Hofker, W.K. 9—83063
Stade, J. A method for finding more detail in neutron radiographs which have been obtained by the indirect process 9—100309
Stadel, G. *see* Wyckoff, W.G. 9—54719
Stadelmann, J.-P. *see* Allan, M. 9—72327
Staden, J.B.van *see* van Staden, J.B.
Staden, J.C.Van *see* Van Staden, J.C.
Staden, J.F.van *see* van Staden, J.F.
Stadie, K.B. International co-operation in nuclear safety in the framework of the OECD nuclear energy agency 9—71905
Stadler, A. *see* Tschudi, T. 9—97357
Stadnichuk, I.N. *see* Litvin, F.F. 9—57584
Stadnicka, K. *see* Lebioda, L. 9—99173
Stadnicov, T. *see* Mateiciuc, V. 9—88507
Stadnik, Ya.F. Role of degree of glass deformation in the variation of the heat content of an item and the optimum molding production rate 9—50456
Stadtmuller, R. *see* Frese, H. 9—72083
Staebler, D.L. Laser-beam annealing of discharge-produced amorphous silicon 9—87515
Staehle, R.W. *see* Pednekar, S.P. 9—100287
Staempfli, R. *see* Ganot, G. 9—92170
Stafast, H. *see* Schule, R. 9—68311
Stafeev, V.I., Banin, E.S., Gusarov, A.V., Terekhovich, T.F., Pelevin, O.V., Nikolaev, M.I. Investigation of n-$Pb_{1-x(1)}Sn_{x(1)}$Te-p-$Pb_{1-x(2)}Sn_{x(2)}$Te 9—51662
Stafeev, V.I., Banin, E.S., Terekhovich, T.F., Mironova, O.A., Pelevin, O.V., Girich, B.G., Mokhovaya, T.G., Nikolaev, M.I. Investigation of the p-n $Pb_{0.8}Sn_{0.2}Te$/PbTe heterojunctions with a variable-gap region 9—51664
Stafeev, V.I. *see* Abramyan, Yu.A. 9—75597
Stafeev, V.I. *see* Bovina, L.A. 9—73538
Stafeev, V.I. *see* Karakushan, E.I. 9—91134
Stafeev, V.I. *see* Vorob'ev, L.E. 9—60844
Stafeev, V.I. *see* Zaletaev, N.B. 9—51663
Staffansson, L.-I. *see* Seetharaman, S. 9—82360
Stagg, J.P. *see* Boudry, M.R. 9—56315
Stagni, L. *see* Vitali, G. 9—69123
Stagno, E., Pinasco, M.R. Metallographic structure of white gold after cold rolling. Influence of heat treatments and recrystallisation 9—52238
Stagno, V. *see* Boscolo, I. 9—55102
Stahelin, P. *see* Jonker, M. 9—93399
Stahl, A. Boundary conditions for polarization waves in spatially dispersive dielectrics 9—61296
Stahl, A. Polariton structure of interband transitions in semiconductors 9—87048
Stahl, B. *see* Neise, W. 9—86421
Stahl, D. *see* Lewis, R.A. 9—81059
Stahl, F.A., Wolf, R.P., Dermer, C.D., Jr. Ultrasound attenuation in solid CD_4 9—51204
Stahl, J. *see* Kuhn, H. 9—74729
Stahl-Lariviere, H. *see* Jullien, J. 9—54989
Stahlberg, B., Weckstrom, K., Stenholm, S. Laser mode locking by three-level resonances 9—89943
Stahlbush, R.E., Scott, J.C. Spin flop in a one-dimensional Heisenberg antiferromagnet 9—73723
Stahler, J., Hemmer, G., Presser, G. Properties of different counting gases for a low pressure multiwire proportional chamber 9—85864
Stahnke, H.-J. *see* Marek, J. 9—49987
Staib, P. *see* Kirschner, J. 9—99428
Staib, P. *see* Staudenmaier, G. 9—98983
Staikoff, L.S. *see* Kennedy, J.H. 9—53279
Staikov, G. *see* Van Der Eerden, J.P. 9—60630
Stainslaw, J. *see* Humphrey, W.S. 9—79364
Stakebake, J.L. Temperature dependence of the reaction of hydrogen with highly reactive uranium powders 9—91996
Stakelon, T.S. Magnetostriction in excess iron NiZnCo ferrite 9—82852
Stakelon, T.S. *see* Yen, P. 9—78532
Stakgold, I. *see* Sperb, R. 9—68564
Stakhira, I.M. *see* Savchin, V.P. 9—73514
Staklo, A.V. *see* Gubaryenko, L.A. 9—74969
Stakyan, M.G. *see* Oleinik, N.V. 9—72831
Stalberg, E. *see* Gath, I. 9—74799
Stal'gorova, O.V. *see* Voronov, F.F. 9—60434
Stalhandske, C. Cadmium fluoride hydroxide 9—99134
Stalinski, B. *see* Suleymanov, N.M. 9—87608
Stalio, R., Rusconi, L., Sedmak, G., Arpigny, C., Georgelin, Y., Rocca, B. H_α profile variability in κ Orionis, B0.5 Ia 9—101146
Stall, J.B. *see* Bhowmik, N.G. 9—53391
Stallard, B.W. *see* Turner, W.C. 9—86589
Stallforth, H., Ungethum, M. Tribological investigation of total knee joint prostheses 9—84004
Stallybrass, M.P. *see* Meyer, W.L. 9—50480
Stalnaker, J.F., Hussey, R.G. Wall effects on cylinder drag at low Reynolds number 9—64624
Stals, L.M. *see* Knuyt, G. 9—77592
Stamatakis, T., Green, J.M. Fine frequency tuning of a high power CO_2 laser and its application to optically-pumped molecular lasers 9—98405
Stamatelatos, M.G., England, T.R. Decay spectra of fission products from uranium-235 thermal fission: comparison of calculations with experiments 9—93674
Stamatoff, J. An approach for time-resolved X-ray scattering 9—62409
Stamatoff, J. *see* Cladis, P.E. 9—77730
Stamatoff, J. *see* Guillon, D. 9—99061
Stambaugh, R.D., Rawls, J.M. Anomalous diffusion and transport beta limits in dense Tokamak plasmas 9—72993
Stamboliev, I.B. *see* Petukhov, N.N. 9—93264
Stambolis, C.N.D. Planning considerations for large scale solar energy use in developing countries 9—57364
Stamenkovic, S., Plakida, N.M., Aksenov, V.L., Siklos, T. On the tunneling effects in the structural phase transitions 9—55858
Stamenkovic, S., Plakida, N.M., Aksienov, V.L., Siklos, T. Tunnelling effects in the structural phase transitions 9—73290
Stamenkovic, S., Zakula, R.B., Aksenov, V.L. Peculiarities of coherent critical neutron scattering in hydrogen-bonded ferroelectrics 9—56742
Stamenkovic, S. *see* Grujic, D. 9—56743
Stamenov, I.N. *see* Apshev, S.Zh. 9—80165
Stamenov, K.V. *see* Dinev, S.G. 9—94818
Stamenov, K.V. *see* Mitev, V.M. 9—55186, 9—76489
Stamenovic, B. *see* Majic, V. 9—53164
Stamer, P. *see* Brick, D. 9—58980
Stamford, P.A., Watson, R.D. Atmospheric shock effects in early B stars 9—53807

Stamm, W., Backer, A., Grupen, C., Jokisch, H., Dau, W.D., Allikofer, O.C. Electromagnetic interactions of cosmic-ray muons in iron 9—66902

Stammers, C.W. The operation of the fluidyne heat engine at low differential temperatures 9—85206

Stammers, K. An electronic temperature controller for hyperbolic glow curves 9—63202

Stammers, K., Fremlin, J.H. A test for free bromine in the carrier gas from a ^{81m}Kr generator used for lung ventilation studies 9—79642

Stammers, K. *see* Vartsky, D. 9—92441

Stamopoulos, C.D. *see* Malnic, G. 9—92442

Stamov, I.G. *see* Kudintseva, G.A. 9—87565

Stampke, S. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Stanchell, F.W. *see* McIntyre, N.S. 9—87544

Stanchev, D.I. Effect of structure on hardening of manganese cast iron 9—87734

Stanchev, I.H. *see* Genchev, Zh.D. 9—50187

Stanciu, I., Necsoiu, T., Cristoiu, V. Appreciations concerning the achievement of some separation elements of the radiation flux received by an optical receiver 9—90027

Stanciulescu, C., Bobulescu, R.C., Popescu, D. Travelling wave nitrogen pulsed laser 9—59685

Stanciulescu, C., Robulescu, R.C., Cleausescu, N., Popescu, D., Popescu, I.I. A plane parallel plates pulsed nitrogen laser 9—86170

Stanczak, T., Bialo, D. A method to determine the volume of complicated shape bodies 9—49199

Stander, C.M. Effect of cerium addition on hydrogen-absorbing capacity of ε-FeTi 9—61899

Stander, C.M., Horak, R.M. Effect of cerium on hydrogen absorption in ε-FeTi 9—73315

Standish, N., Borger, D.E. The porosity of particulate mixtures 9—61600

Standler, R.B., Winn, W.P. Effects of coronae on electric fields beneath thunderstorms 9—79978

Standley, K.J. *see* Duncan, J.A. 9—61231

Standley, P.H. *see* Allardyce, B.W. 9—54647

Standley, R.W., Steinback, M., Satterthwaite, C.B. Superconductivity in $PdH_x(D_x)$ from 0.2K to 4K 9—99651

Standt, U. *see* Klein, J. 9—73112

Standzenieks, P., Selin, E. Background reduction of X-ray fluorescence spectra in a secondary target energy dispersive spectrometer 9—100471

Stanek, R. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Stanev, T., Vankov, C. A set of subroutines for simulation of electron-photon cascades 9—54330

Staneva, T.G. *see* Gruzinskii, V.V. 9—51987

Stanfield, J.M. *see* Farber, E.A. 9—62133

Stanfield, K.C. *see* Finley, D.A. 9—49625, 9—49626

Stanford, C.A. *see* Schaumann, C.M. 9—85739

Stanford, P.N. *see* Jackson, P.D. 9—53339

Stang, M.Le *see* Le Stang, M.

Stang, R.G. *see* Ferreira, I. 9—74216

Stange, G. An inexpensive positron converter of high reliability and high yield 9—68108

Stange, W.A. *see* MacBain, J.C. 9—81822

Stangl, M.J. *see* Polychronakos, V.A. 9—49539

Stangler, F. *see* Wagner, D. 9—60956

Stanic, B.V., Skoric, M.M. Closed-form solution for transient reflection from a lossy plasma half-space for TM polarization 9—98916

Stanic, B.V. *see* Cander, L.R. 9—98917

Stanic, U. *see* Kljajic, M. 9—53181

Stanic, U. *see* Trnkoczy, A. 9—57810

Stanica, N. *see* Garlea, I. 9—63862

Stanimirova, M. *see* Kovatcheva, R. 9—100319

Stanislavskii, M.P. *see* Bessonova, T.S. 9—56820

Stanislow, L.J. *see* Harrison, I.R. 9—87870

Staniukovich, K.P. *see* Bronnikov, K.A. 9—54290

Stankevich, K.S. Evolution of the radio emission from young SNRs according to observational data 9—75256

Stankiewicz, J. Transport properties of $Cd_xHg_{1-x}Se$ crystals 9—73506

Stankiewicz, J., Giriat, W. Photovoltaic effect in $Cu/CuGaSe_2$ Schottky barriers 9—96440

Stankiewicz, R. *see* Borysiewicz, M. 9—76049

Stankov, K.A. *see* Dinev, S.G. 9—94818

Stankowska, J., Polovinko, I., Romanyuk, N. Optical properties of iron-doped TGS crystals and their aqueous solutions 9—82997

Stankowska, J., Wojciechowska, H. Determination of the domain wall thickness and surface energy in pure and deuterated triglycine sulphate crystals 9—87408

Stankowski, J. *see* Dynowska, E. 9—65023

Stankowski, J. *see* Krupski, M. 9—60525

Stankowski, J. *see* Mackowiak, M. 9—69785, 9—95672

Stankus, K. *see* Schaefer, S. 9—100755

Stanley, C.F. *see* Powell, W.R. 9—96603

Stanley, C.J. *see* Domenico, W.F. 9—89445

Stanley, C.J. *see* Sparks, D.T. 9—89444

Stanley, D.J., Sheng, H., Kholief, M.M. Sand on the southern Mediterranean Ridge: proximal basement and distal African-Nile provenance 9—70782

Stanley, E.B. *see* Huffman, G.P. 9—83335

Stanley, H.E. Cluster shapes at the percolation threshold: an effective cluster dimensionality and its connection with percolation critical exponents 9—63166

Stanley, H.E. *see* Redner, S. 9—75464

Stanley, H.E. *see* Shlifer, G. 9—69481

Stanley, J.H. *see* Boyd, D.P. 9—66521

Stanley, R.J. *see* Karstaedt, N. 9—92364

Stanley, W.D., Lawrence, R.W., Harrington, R.F. Dynamic simulation of random processes in radiometers using CSMP and ACSL 9—80686

Stanley, W.D. *see* Jackson, B.L. 9—84298

Stannard, D. *see* Booth, R.S. 9—75295

Stannard, F.R. *see* Angelini, C. 9—67548

Stannard, J., Henry, R.L. Minority-carrier generation in n-InP/SiO_2 capacitors 9—95496

Stannards, F.R. *see* Read, A.L. 9—49510

Stannett, V. *see* Ma, C.C. 9—91952

Stannett, V. *see* Memetea, T. 9—96342, 9—96343

Stannett, V.T. *see* Liepins, R. 9—52148

Stanovaya, L.S. *see* Eshchenko, L.S. 9—79234

Stanovnik, A. *see* Bos, K. 9—85531

Stanski, B. Electronics controller for temperature-controlled ovens 9—67304

Stanton, G.W. *see* Granada, J.R. 9—73089

Stanton, W.E. Metal spraying—techniques and applications 9—66202

Stanton Shelly, H. Developing a successful municipal noise control program 9—74577

Stanwix, G.W. Solution management systems for ferricyanide bleach and fix [film processing] 9—54206

Stanz, A. *see* Krefting, R. 9—61805

Stapelbroek, M., Griscom, D.L., Friebele, E.J., Sigel, G.H., Jr. Oxygen-associated trapped-hole centers in high-purity fused silicas 9—65729

Stapelbroek, M. *see* Bossoli, R.B. 9—77597

Stapelbroek, M. *see* Friebele, E.J. 9—61222

Staples, C.A. *see* Bossi, E. 9—76834

Staples, J. *see* Chupp, W. 9—72039

Staples, J.W., Jameson, R.A. Possible lower limit to linac emittance 9—72003

Staples, J.W., Lancaster, H.D., Yourd, R.B. A Wideroe-based heavy ion preaccelerator for the SuperHILAC 9—71987

Stapleton, H.J. *see* Kurtz, S.R. 9—78518

Stapleton, J.R. *see* Brown, A. 9—67005

Stapley, N.R. *see* Kiraly, P. 9—66892

Stapor, W.J. *see* Sober, D.I. 9—85494

Stapp, H.P. *see* Kashiwara, M. 9—54272

Starace, A.F., Webster, G.L. Atomic hydrogen in a uniform magnetic field: low-lying energy levels for fields below 10^9 G 9—72235

Starace, A.F. *see* Huang, K.-N. 9—81191

Starchenko, B.M. *see* Astvatsaturov, R.G. 9—76259

Starchenko, E.A. *see* Givernaud, A. 9—58982

Starchenko, E.I. *see* Zemtsova, N.D. 9—69669, 9—100178

Starek, J. *see* Strmiska, F. 9—71882

Starik, P.M., Britov, A.D., Luchitskii, R.M., Lototskii, V.B., Mikityuk, V.I., Karavaev, S.M. Narrow-gap $Pb_{1-x}Sn_xTe_{1-y}Se_y$ solid solutions with a constant lattice parameter 9—73154

Starikov, A.D. *see* Alekseev, V.N. 9—64235, 9—64237

Starikov, M.A. *see* Klimenko, A.G. 9—65574

Starikova, G.A. Absolute stellar magnitudes and masses for three types of variable stars 9—88690

Starikova, G.A. Statistical properties of the spectra of visual-binary components 9—97038

Starikova, Z.A., Shchegoleva, T.M., Trunov, V.K., Pokrovskaya, I.E. Crystal and molecular structure of oxa-bis(t-butylperoxytriphenyl-antimony) 9—60350

Stariznyi, E.S. *see* Markina, M.A. 9—67823, 9—97836

Stark, E.E., Jr. CO_2-laser fusion 9—49859

Stark, H., Paul, I.N., Sarna, C.S. Polar sampling theorems and their application to image reconstruction by Fourier transforms in CAT 9—92373

Stark, H., Sarna, C.S. Image reconstruction using polar sampling theorems 9—81366

Stark, H., Webb, H. Bounds on errors in reconstructing from undersampled images 9—89858

Stark, H.P. *see* Decker, W. 9—55920

Stark, J.P. Solute-induced jump correlations during diffusive processes 9—51297

Stark, J.P. Field-induced volume diffusion in a two-phase system 9—77802

Stark, J.P. Evolution of two-phase dispersions by volume diffusion 9—100146

Stark, J.P.W. The X-ray spectrum and variability of active galaxies 9—58420

Stark, K.L. *see* Specker, S.R. 9—85593

Stark, L. *see* Adler-Grinberg, D. 9—83769

Stark, L. *see* Shirachi, D. 9—83770

Stark, L. *see* Zeevi, Y.Y. 9—79522

Stark, R.A., Galambos, J., Miley, G.H. Startup of the field-reversed mirror by neutral-beam injection 9—86605

Stark, R.E., Vold, R.L., Vold, R.R. Nuclear relaxation and anisotropic molecular reorientation of o-dichlorobenzene 9—95669

Stark, R.W. *see* Reifenberger, R. 9—77983

Stark, W.S., Stavenga, D.G., Kruizinga, B. Fly photoreceptor fluorescence is related to UV sensitivity 9—92219

Starke, E.A., Jr. *see* Lin, F.-S. 9—91852

Starke, K. *see* McMinn, J. 9—70401

Starke, K. *see* Schorr, W. 9—85626

Starkloff, T., Joannopoulos, J.D. Theory of the pressure dependence of the electronic and optical properties of trigonal Te 9—65838

Starkov, G.V. *see* Zverev, V.L. 9—62641

Starkovich, V. *see* Dallman, J.C. 9—89430

Starkovich, V. *see* Rexroth, P.E. 9—49751

Starkovskii, N.I., Onvodi, F., Shimulis, V.I. Method of automatically recording pressure over the range 5 to 1×10^{-2} torr 9—85148

Starks, D.R. *see* Karn, P.W. 9—55967

Starkweather, H.W., Jr. A comparison of the rheological properties of polytetrafluoroethylene below its melting point with certain low-molecular smectic states 9—87675

Staroba, J.E. *see* Sarver, M.D. 9—96553

Starodub, A.N. *see* Basov, N.G. 9—86587

Starodubov, L.S. *see* Gordon, A.R. 9—94480

Starodubov, Ya.D. *see* Gindin, I.A. 9—74199

Starodubskii, V.E. Test of the self-consistent RPA theory in scattering of fast particles 9—49604

Starodubskii, V.E., Shaginyan, V.R. Structure of single-particle nuclear densities from Hartree-Fock theory and from model-independent analysis 9—80941

Starodubskii, V.E. *see* Saperstein, E.E. 9—80928

Starodubtsev, E.F. *see* Borisov, A.A. 9—61858

Starodubtsev, N.F. *see* Galochkin, V.T. 9—76432

Starodubtsev, N.F. *see* Vasil'ev, B.I. 9—89721

Starodubtsev, Yu.N., Dragoshanskii, Yu.N. Dependence of domain size on the thickness of silicon iron crystals 9—69692

Starodubtsev, Yu.N., Druzhinin, V.V. Influence of an electrically insulating coating on the sensitivity of magnetic losses to elastic-plastic bending of transformer steel strip 9—100284

Starodubtsev, Yu.N., Druzhinin, V.V., Segal', V.M., Gustomesov, V.A., Sokhina, E.I., Prasova, T.I. Degree of perfection of crystallographic texture in Fe-3% Si alloy sheet of various thickness with sulphur inhibitors [transformer steel] 9—91709

Starodubtsev, Yu.N., Lykov, E.L., Druzhinin, V.V. Variation in magnetic losses in transformer steel under the influence of nonuniform normal pressure 9—91250

Starodubtseva, L.N. *see* Stepanenko, V.A. 9—68112

Starodubtseva, O.M. Spectral dependence of ultraviolet contrasts on Venus 9—62783

Starolat, M.P. *see* Gindin, I.A. 9—74199

Starostenko, N.N. *see* Malevskii, A.L. 9—59159

Starostin, A.D. Turbulent boundary layers at a permeable surface in crossed magnetic and inhomogeneous electric fields 9—77274

Starostin, A.N. *see* Kasyanov, V.A. 9—60092

Starostin, A.N. *see* Zhdanok, S.A. 9—76677

Starostin, S.K. *see* Krasil'nikov, D.D. 9—80115

Starov, V.M., Churaev, N.V. Thickness of wetting films on rough substrates 9—56044

Starov, V.M. *see* Kiseleva, O.A. 9—55416

Starov, V.M. *see* Prozorov, E.N. 9—72942, 9—86510

Starova, G.L., Frank-Kamenetskaya, O.V., Makarskii, V.V., Lopyrev, V.A. Crystal and molecular structure of 5-amino-1-hydrogen-1,2,4-triazole 9—55735

Staroverova, V.N. *see* Kasparov, K.N. 9—89009

Starr, C., Field, S. Economic growth, employment and energy 9—79385

Starr, J.E. *see* Weymouth, L.J. 9—93122

Starr, T.B. *see* Wilson, C.R. 9—88424

Starrfield, S. *see* Crampton, D. 9—80327

Starrfield, S. *see* Glass, I.S. 9—58346

Starrfield, S. *see* Kenyon, S. 9—84845

Starshin, E.P. *see* Vinogradova, N.K. 9—52535

Starshinov, A.M. Two methods for measuring parameters of gyroscopes and gyrotachometers 9—67263

Starshinov, A.M. Experiment planning in gyro precession-correction monitoring 9—71422

Start, D.F.H. *see* Cordey, J.G. 9—86577

Startsev, E.A. *see* Dyuzhev, G.A. 9—64951, 9—64953

Startsev, G.P. *see* Liflyandchik, B.I. 9—80694

Startsev, G.P. *see* Vasyuta, B.M. 9—75624

Startsev, G.P. *see* Zhuze, V.P. 9—69859

Startsev, S.A. *see* Borodin, V.A. 9—61513

Startsev, S.A. *see* L'vov, A.I. 9—58905

Startsev, V.E., Cherepanov, A.N., Dyakina, A.P., Volkenshtein, N.V., Kovtun, G.P., Elenskii, V.A., Azhazha, V.M. Kinetic properties of ruthenium under magnetic breakdown conditions. Galvanomagnetic effects 9—95389

Startsev, V.I. *see* Emel'yanov, S.L. 9—92676

Startsev, V.M. *see* Topolkaraev, V.A. 9—65139

Startseva, I.E., Shulika, V.V., Shur, Ya.S. Short-range order and induced anisotropy of iron-silicon aloys with al low silicon content 9—51772

Startseva, I.E. *see* Elsukov, E.P. 9—69761

Startseva, N.M. *see* Vinogradov, G.E. 9—50405

Startzev, V.E. *see* Volkenshtein, N.V. 9—60688

Starukhin, A.N. *see* Gamarts, E.M. 9—99888

Starukhin, A.S. *see* Gladkov, L.L. 9−64010
Staruszkiewicz, A. The paradox of a Lorentz invariant current and charge quantization 9−80451
Stary, F. *see* Beitin, M.R. 9−75838
Stary, F. *see* Hagemann, U. 9−54382
Stary, V., Hartl, I. Laser beam application to thin film fabrication 9−52126
Stary, V. *see* Hrach, R. 9−77935
Staryga, E., Swiatek, J. The electrical conductivity in thin polycrystalline p-terphenyl films 9−65572
Starzak, M.E., Starzak, R.J., Senft, J.P. Response of delayed (K^+) channels to the time-dependent clamping functions in squid giant axon. II. Descending ramps, hyperbolae, and exponentials 9−62229
Starzak, R.J. *see* Starzak, M.E. 9−62229
Staseev, V.G., Ermolov, I.N. Development of the principles of automatic classification of defects by an ultrasonic spectral method 9−66240
Staselko, D.I. *see* Aristov, A.V. 9−73898
Staselko, D.I. *see* Vorzobova, N.D. 9−55087, 9−68372, 9−72536
Stashenko, V.I. *see* Troitskii, O.A. 9−79021
Stashkevich, A.A. Calculation of light diffraction by an acoustic wave with a complex spectral composition in an acoustooptical processor 9−76586
Stasi, W. *see* Sforza, P.M. 9−83554
Stasiak, W.B., Besieris, I.M. Analysis of an exact transport equation for a random perturbed focusing medium 9−81344
Stasicki, B. *see* Kielbasa, J. 9−68879
Stasovskaya, V.V. *see* Donskova, E.N. 9−100070
Stassen, H.P.W. *see* MacKay, D.M. 9−100620
Stassinakis, C.A. *see* Theocaris, P.S. 9−59948
Stassis, C., Arch, D., Harmon, B.N., Wakabayashi, N. Lattice dynamics of HCP Ti 9−60447
Stassis, C., Gould, T., McMasters, O.D., Gschneidner, K.A., Jr., Nicklow, R.M. Lattice and spin dynamics of γ-Ce 9−86859
Stassis, C., Loong, C.-K., McMasters, O.D., Moon, R.M. Temperature dependence of the field induced magnetic form factor of $CeSn_3$ 9−78308
Stassis, C. *see* Moon, R.M. 9−73686
Stassis, C. *see* Severin, C.S. 9−91210
Stasyuk, I.V., Levitskii, R.R., Korinevskii, N.A. Collective vibrations of protons in compounds of the KH_2PO_4-type. The cluster approximation 9−51210
Stasyuk, S.Z. Change in the mechanical properties of aluminum alloys AMg6 and 5083 and their welds at cryogenic temperatures 9−66136
Staszewski, G.Mahr von *see* Mahr von Staszewski, G.
Stathopoulou-Tsoga, M. *see* Deliyannis, J. 9−84781
Statnikov, A.K. *see* Shusterov, B.G. 9−92331
Staton, M.A. *see* Loomis, W.A. 9−71757
Staude, A. *see* Erhan, S. 9−49550
Staude, A. *see* Giboni, K.L. 9−89204
Staudenmaier, G., Roth, J., Behrisch, R., Bohdansky, J., Eckstein, W., Staib, P., Matteson, S. Trapping of deuterium implanted in carbon and silicon: a calibration for particle-energy measurements in the plasma boundary of Tokamaks 9−98983
Staudenmaier, H.M. *see* Apel, W.D. 9−58978
Staudenmaier, H.M. *see* Hohler, G. 9−97610
Staudenmaier, Kh.M. *see* Apel', V.D. 9−67609
Staudenmann, J.-L., Testardi, L.R. X-ray determination of anharmonicity in V_3Si 9−73284
Staudenmann, J.-L. *see* Werner, S.A. 9−54012
Staudenmayer, B. *see* Speller, E. 9−76505
Stauder, J.W. *see* Frank, S. 9−49658
Stauff, J. *see* Jaeschke, W. 9−52670
Stauffer, A.D. *see* McEachran, R.P. 9−98008
Stauffer, D. Scaling theory of percolation clusters 9−80542
Stauffer, D., Binder, K. Comparative Monte Carlo study of Ising spin glasses in two to five dimensions 9−78428
Stauffer, D. *see* Bauchspiess, K.R. 9−52785
Stauffer, D. *see* Binder, K. 9−82809
Stauffer, D. *see* Eiselt, G. 9−78348
Stauffer, D. *see* Hoshen, J. 9−75465
Stauffer, D. *see* Peters, H.P. 9−93075
Stauffer, F. *see* Eubank, H. 9−82074
Stauffer, H. *see* Sargent, T., III 9−62378
Stauffer, J., Spinrad, H. Spectroscopic observations of the core of M87 9−92858
Stauffer, J., Spinrad, H., Thorstensen, J. Spectra of the M dwarf companion in U Geminorum 9−62851
Stauffer, L. *see* Munschy, G. 9−51495
Stauffer, M.R., Burnett, A.I. Down-plunge viewing: a rapid method for estimating the strain ellipsoid for large clasts in deformed rocks 9−92610
Staun Olsen, J., Buras, B. Synchrotron radiation and its application in research 9−81345
Stauning, P. *see* Baker, D.N. 9−58194
Staupendahl, G., Pohler, M., Schindler, K. Methods for efficiency enhancement of second harmonic generation in tellurium irradiated by CO_2-laser radiation 9−50345
Stauskaite, R.A. *see* Pustel'nikov, O.C. 9−96755
Stauss, G.H. *see* Krebs, J.J. 9−95636
Staveley, L.A.K. *see* Calado, J.C.G. 9−90798
Stavely, A.M. *see* Nartker, T.A. 9−89551
Stavenga, D.G. *see* Stark, W.S. 9−92219
Stavinskii, V.S. Limiting fragmentation of nuclei−the cumulative effect 9−93611
Stavisskii, B.A. *see* Ivanov, D.P. 9−89498
Stavitskii, S.M. *see* Kogan, A.B. 9−53076
Stavola, M. *see* Sceats, M.G. 9−68993, 9−93973
Stavrou, D. *see* Zanker, K.S. 9−100661
Stavrov, K.G., Semevskii, R.B., Demin, B.N. Terms and concepts in magnetic measurement 9−97334
Stavsky, Y. *see* Elishakoff, I. 9−76993
Stavsky, Y. *see* Greenberg, J.B. 9−94528
Staynov, D.Z., Spencer, M., Allan, J., Gould, H.J. A reversible conformational transition in chromatin 9−62179
Stearner, S.P. *see* Yang, V.V. 9−57725
Stearns, M.B. Hyperfine field and magnetic behavior of Heusler alloys 9−78360
Stearns, M.B. *see* Norbeck, J.M. 9−78054
Stearns, M.B. *see* Reitz, J.R. 9−78354
Stearns, S.D. *see* Etter, D.M. 9−74994
Stebbings, R.F. *see* Beiting, E.J. 9−68271
Stebbins, S. *see* McCaskill, T. 9−54110
Stebbins, W. *see* Zoloth, S.R. 9−79563
Stebbins, W.C. *see* Petersen, M.R. 9−62268
Stebe, B. *see* Sauder, T. 9−56816
Stebe, M.-J. *see* Delpuech, J.-J. 9−65749
Stebler, B. *see* Lagerwall, S.T. 9−86687
Stebler, B. *see* Skarp, K. 9−50988
Stebut, J.von *see* von Stebut, J.
Stechel, E.B., Schmalz, T.G., Light, J.C. Quantum theory of exchange reactions: use of nonorthogonal bases and coordinates 9−91909
Stechel, E.B. *see* Light, J.C. 9−59534
Stechel, E.B. *see* Schmalz, T.G. 9−89769
Steck, D. *see* Cassiday, G.L. 9−63864
Steckel, G.L., Altstetter, C.J. Modeling of interstitial solute behaviour in a body-centered cubic metal 9−77748
Steckelmacher, W., Henning, H. Comments on 'The approximate calculation of transmission probabilities for the conductance of tabulations in the molecular flow regime' 9−68756
Steckelmacher, W., Lucas, M.W. Electron spectrometer for the study of ionisation particularly near the forward direction 9−93261
Steckelmacher, W.E. The effect of cross-sectional shape on the flow of gases in tubes 9−64710
Stecker, F.W. *see* Brown, R.W. 9−84876
Stecki, J., Kloczkowski, A. On the stability of the orientational distribution of molecules 9−94880
Stecki, J. *see* Dudowicz, J. 9−82141
Stecki, J. *see* Sokolowski, S. 9−77891
Stedman, D.H., Cicerone, R.J., Chameides, W.L., Harvey, R.B. Absence of N_2O photolysis in the troposphere 9−53493
Stedman, D.H. *see* Dickerson, R.R. 9−72972
Stedman, D.H. *see* Kelly, T.J. 9−79422
Stedman, G.E. Superexchange between one-particle states 9−91011
Steeb, W.-H. Limit cycles and Hamiltonian systems 9−63131
Steeb, W.-H. A note on the Lorentz transformation 9−97191
Steed, J.M., Dixon, T.A., Klemperer, W. Determination of the structure of $ArCO_2$ by radiofrequency and microwave spectroscopy 9−64019
Steed, J.M., Dixon, T.A., Klemperer, W. Molecular beam studies of benzene dimer, hexafluorobenzene dimer, and benzene-hexafluorobenzene 9−72336
Steed, J.M. *see* Janda, K.C. 9−76420
Steel, A.J., Clarke, M.E., Bruzzi, S. A compact helium turbo-refrigerator with regenerators 9−58723
Steel, A.J. *see* Stoll, A.P. 9−58738
Steel, D. *see* Yaakobi, B. 9−54598
Steel, D.G. *see* Lind, R.C. 9−64271
Steel, F.R. *see* Balzano, Q. 9−62297
Steel, W.H. Axicon measn axial image 9−81499
Steel, W.H. *see* Hariharan, P. 9−72535
Steele, B.C.H. *see* Dudley, G.J. 9−60877
Steele, C., Crane, S., Nelson, R.D., Erdelyi, E. High performance tip/tilt mirror positioner 9−59795
Steele, C.A. *see* Parsons, D. 9−90945
Steele, C.R., Fleming Gordon, A. Preliminary clinical results using 'SOBSA' for noninvasive determination of ulna bending stiffness 9−92275
Steele, C.R., Taber, L.A. Comparison of WKB and finite difference calculations for a two-dimensional cochlear model 9−70555
Steele, C.R., Taber, L.A. Comparison of WKB calculations and experimental results for three-dimensional cochlear models 9−70556
Steele, C.R. *see* Frommer, G.H. 9−53157
Steele, C.R. *see* Kino, G.S. 9−77033
Steele, D. A comparison between the predictions of vibrational transition moments and force fields using various gaussian basis sets 9−81152
Steele, J.M. *see* Ellis, M.H. 9−63147
Steele, O.P., III *see* Welch, F.H. 9−93735
Steele, T.W., Hansen, R.G. Analysis of the NIM-ROC reference samples for major elements 9−88356
Steelhammer, T.J., Symko, O.G. Calibration of SQUID magnetometer for dilute alloy studies 9−67358
Steen, F.Van *see* Van Steen, F.
Steen, N.M. Status of nuclear data for ^{232}Th and ^{233}U 9−67793
Steen, N.M. *see* Hardy, J., Jr. 9−67833
Steen, P.J.F.Van *see* Van Steen, P.J.F.
Steen, W.M. Surface coating using a laser 9−83364
Steen, W.M. *see* Courtney, C. 9−83396
Steenbeck, K. *see* Salm, J. 9−95888
Steenbergen, A.van *see* van Steenbergen, A.
Steenbergen, C., de Graaf, L.A. Neutron scattering studies of the solid tetramethyl compounds of silicon, germanium and tin 9−51016
Steene, G.Van *see* Van Steene, G.
Steenhaut, O. *see* Bousse, L. 9−91151
Steenhoven, A.A.Van *see* Van Steenhoven, A.A.
Steenkist, R. *see* van Dop, H. 9−100914
Steenwijk, F.J.van *see* van Steenwijk, F.J.
Steenwyk, S.D. *see* Khoshenevisan, M. 9−73497
Steer, R.P. *see* Kapur, A. 9−89597
Steer, R.P. *see* Sehgal, C. 9−60437
Stefan, M., Arato, P., Hatta, G., Kajdi, K. Grain growth textures of iron-nickel alloys 9−91687
Stefan, P.M., Helms, C.R., Perino, S.C., Spicer, W.E. UPS studies of H_2, O_2, and CO adsorption on ordered carbon overlayers on W(100) 9−77907
Stefan, V. *see* Abdullaev, A.Sh. 9−60164
Stefan, V. *see* Aliev, Yu.M. 9−68918
Stefanakos, E. *see* Delyannis, A.A. 9−57410
Stefanelli, M. *see* Franzone, P.C. 9−100587
Stefani, F. *see* Gianturco, F.A. 9−72252
Stefani, G., Camilloni, R., Giardini Guidoni, A. Absolute (e,2e) coplanar symmetric cross sections measured for valence orbitals of Ne 9−86072
Stefani, G. *see* Camilloni, R. 9−98236
Stefani, G. *see* Modugno, M. 9−71297
Stefaniay, V. *see* Csanady, A. 9−57013
Stefanini, A. *see* Bailey, J. 9−59053
Stefanini, G. *see* Bell, M. 9−93413
Stefanini, L. Behavior of a real top 9−58467
Stefano, G.Di *see* Di Stefano, G.
Stefanou, G.D. Time varying stress in ligaments of perforated plates with reference to prestressed concrete reactor vessels 9−49679
Stefanou, H. The application of a dipolar theory to the piezoelectricity in vinylidene fluoride-co-tetrafluoroethylene polymers 9−78627
Stefanov, G.I., Prodanova, R.I., Apostolov, D.E., Guteva, E.S. Nondestructive neutron-activation method of indium determination in pure sphalerites 9−87929
Stefanov, G.I. *see* Prodanov, Ja.D. 9−88019
Stefanova, O.K. The application of the concentration cells method to reveal the limiting step of ionic transport through membranes on the basis of neutral complexing agents 9−96367
Stefanovic, D. *see* Ristic, M.M. 9−74116
Stefanovich, A.V. *see* Savchenko, M.A. 9−65671, 9−78255, 9−82773
Stefanovich, S.Yu. *see* Bush, A.A. 9−51913
Stefanovich, S.Yu. *see* Okonenko, S.A. 9−69789
Stefanovich, S.Yu. *see* Zakharov, N.A. 9−65928
Stefanovskii, A.M. *see* Dremin, M.M. 9−98949
Stefanovskii, E.P. *see* Bar'yakhtar, V.G. 9−69744, 9−82785
Stefanski, R. *see* Benvenuti, A. 9−49508, 9−58951
Stefanski, S.C. Getter pumps 9−67327
Stefanskii, I.V. *see* Vishnevskii, V.N. 9−91414
Stefansson, R. Catastrophic earthquakes in Iceland 9−84175
Stefanutti, L. Lidar visibility measurements by means of the Raman/aerosol ratio method 9−100953
Stefchenkova, O.V. *see* Bobylev, B.A. 9−59839
Stefenova, S.J. *see* Totev, T.L. 9−85694
Steffen, R.M. *see* Yamazaki, Y. 9−64123
Steffenhagen, K. *see* Richard, H. 9−89854
Steffens, E. *see* Egelhof, P. 9−67737
Steffens, H.-D., Crostack, H.-A., Hohle, H.-M. The application of frequency analyses in arc spraying 9−83359
Steffens, H.-P. *see* von Nettelhorst, H. 9−84006
Steflea, M. *see* Bunget, I. 9−60837
Stegeman, D.F., Eijkman, E.G.J., de Weerd, J.P.C. A volume conductor study of compound action potentials of nerves in situ: the forward problem 9−88067
Stegeman, G.I. *see* Fukui, M. 9−81593, 9−82657, 9−87517, 9−95460
Stegeman, G.I. *see* Normandin, R. 9−50489, 9−50490, 9−55259, 9−98508
Stegeman, G.I. *see* Rowell, N.L. 9−56101
Stegeman, G.I. *see* So, V.C.Y. 9−98509
Stegeman, G.I. *see* Teh, G.A. 9−50442
Stegeman, G.I. *see* Thomas, P.J. 9−76760
Stegemen, G.I. *see* Normandin, R. 9−56057
Stegemeyer, H. *see* Bergmann, K. 9−65891, 9−90553
Stegemeyer, H. *see* Finkelmann, H. 9−64984
Steger, E. *see* Klosowski, J. 9−91437
Steggles, P. *see* Bates, C.A. 9−99755
Steglich, F. *see* Bredl, C.D. 9−60973, 9−61173
Steglich, F. *see* Loewenhaupt, M. 9−78060

Steglich, F. *see* Schmid, W. 9—60958
Steglich, F. *see* Umlauf, E. 9—78254
Stegmann, R., Oelgart, G., Herrmann, R. Propagation of electromagnetic waves in a direction perpendicular to the magnetic field in semiconductive Bi-Sb alloys. I. $B \perp C_3 \| k$ 9—60687
Stegmann, R., Oelgart, G., Herrmann, R. Propagation of electromagnetic waves in a direction perpendicular to the magnetic field in semiconductor Bi-Sb alloys. II. $B \perp C_2 \| k$ 9—82517
Stegnii, A.I., Shevchenko, O.V., Lopato, L.M., Ruban, O.K., Dvernyakov, V.S., Pasichnii, V.V. Thermal analysis of oxides using solar heating 9—77725
Stegnii, A.I. *see* Shevchenko, O.V. 9—96007
Stehle, H. *see* Assmann, H. 9—49797
Stehle, H. *see* Garzarolli, F. 9—67872
Stehle, P. Time-dependent spectra 9—89625
Stehli, F.G. *see* Donath, F.A. *(editor)* 9—84070
Stehman, R.M., Woo, S.B. Zero-core-contribution model and its application to photodetachment of atomic negative ions 9—93961
Steib, M.L. A bounded velocity postulate and special relativity 9—53972
Steidley, J. *see* Miller, D. 9—49353
Steigenberger, U., Von Ortenberg, M. Cyclotron resonance in uniaxially stressed tellurium 9—87319
Steigman, G., Olive, K.A., Schramm, D.N. Cosmological constraints on superweak particles 9—84667
Steigman, G. *see* Dover, C.B. 9—54308
Steimetz, M.A. *see* Adams, T. 9—92457
Stein, B.A. *see* Unnam, J. 9—55892
Stein, D.L. Topological theorem and its applications to condensed matter systems 9—67171
Stein, G., Gunther, W., Romisch, H. Ultrasonic testing of austenitic collars in a computer controlled immersion test-plant 9—96256
Stein, G., Kennepohl, K., Buker, H. The application of electronic sealing systems for nuclear material monitoring 9—85687
Stein, G. *see* Klaus, D. 9—58081
Stein, H. *see* Heidberg, J. 9—69914
Stein, H.J. Vacancies and the chemical trapping of hydrogen in silicon 9—99916
Stein, H.J., Peercy, P.S. Controlled hydrogenation of amorphous silicon at low temperatures 9—69119
Stein, H.J. *see* Peercy, P.S. 9—69133
Stein, H.N. The glass/electrolyte solution interface 9—79256
Stein, J., Krey, U. Numerical studies on the Anderson localization problem. I. Localization edges and critical exponents 9—90986
Stein, N. *see* Cindro, N. 9—67629
Stein, N. *see* Hanson, D.L. 9—63585
Stein, N. *see* Peng, J.C. 9—63694
Stein, P. *see* Dallinger, R.F. 9—59451
Stein, P.D., Sabbah, H.N. Hydrodynamic evaluation of a concave-convex aortic pivoting disc valve prosthesis 9—84027
Stein, P.D. *see* Blick, E.F. 9—79580
Stein, R.B. *see* Oguztoreli, M.N. 9—62232
Stein, R.S., Khambatta, F.B., Warner, F.P., Russell, T., Escala, A., Balizer, E. X-ray and optical studies of the morphology of polymer blends 9—69026
Stein, R.S. *see* Misra, A. 9—99083
Stein, R.S. *see* Russell, T.P. 9—58803
Stein, R.S. *see* Sherwood, C.H. 9—69021
Stein, S., Geller, R.J. Attenuation measurements of split normal modes for the 1960 Chilean and 1964 Alaskan earthquakes 9—84120
Stein, S., Sleep, N.H., Geller, R.J., Shi-Chen Wang, Kroeger, G.C. Earthquakes along the passive margin of eastern Canada 9—96741
Stein, S. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Stein, S. *see* Prescott, C.Y. 9—75776
Stein, S.R., Manney, C.M., Jr., Walls, F.L., Gray, J.E., Besson, R.J. A systems approach to high performance oscillators 9—54109
Stein, V. *see* Schrott, A. 9—76559
Steinbach, K. *see* Joskowicz, G. 9—70681
Steinback, M., Lyden, J.K., Guernsey, R.W., Jr. Some oscillation viscometer results for ^{3}He:A and B phase resonances and normal phase viscosity 9—51351
Steinback, M. *see* Standley, R.W. 9—99651
Steinbeiss, E. *see* Bruckner, W. 9—99587
Steinbeiss, E. *see* Salm, J. 9—95888
Steinberg, B. *see* Taheri, S.H. 9—84505
Steinberg, D.J., Banner, D.L. Accounting for resistive hysteresis in calibrating Manganin stress gauges undergoing dynamic loading 9—54118
Steinberg, E.P. *see* Kaufman, S.B. 9—89329
Steinberg, E.P. *see* Porile, N.T. 9—67790
Steinberg, I.Z. *see* Anglister, J. 9—87451
Steinberg, M., Powell, J.R., Takahashi, H., Grand, P., Kouts, H.J.C. The linear accelerator fuel enricher regenerator (LAFER) and fission product transmutor (APEX) 9—67980
Steinberg, M. *see* Grand, P. 9—81062
Steinberg, M. *see* Vi-Duong Dang 9—52915
Steinberg, P.H. *see* Bechis, D.J. 9—63401
Steinberg, R.I. *see* Deakyne, M. 9—66903, 9—80107
Steinberger, J. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Steinberger, J. *see* Groot, J.G.H. 9—93395
Steinborn, W. *see* Forker, M. 9—91330, 9—95689
Steinbruchel, C. Desorption kinetics of one- and two-step mechanisms 9—82448
Steinbruchel, C., Gruen, D.M., Dawson, J. Application of matrix isolation spectroscopy to the measurement of sputtering yields 9—78809
Steinbruchel, Ch. Desorption rates and mechanisms for dissociatively chemisorbed molecules 9—86977
Steinbrugge, K.V. *see* Brabb, E.E. 9—88273
Steinbrunn, A. *see* Dumas, P. 9—52754
Steinchen, W.P. Experimental and computer-aided investigations and optimization of stress-relieving notches 9—59926
Steindler, M.J. *see* Seitz, M.G. 9—67893
Steindler, M.J. *see* Trevorrow, L.E. 9—89392
Steinemann, S. *see* Keita, N.M. 9—77684
Steinemann, S.G. Shear effects in elasticity 9—91280
Steinemann, S.G. *see* Pfersich, Ch. 9—55806
Steiner, A. Computer tomography 9—70690
Steiner, D., Bonn, W. Heat transfer and pressure drop in the two-phase flow of nitrogen in a horizontal tube for an extensive pressure range 9—58747
Steiner, D. *see* Reid, R.L. 9—76147
Steiner, D. *see* Shannon, T.E. 9—71969
Steiner, E. *see* Adam, S. 9—54701
Steiner, H. *see* Jonckheere, A. 9—63527
Steiner, H. *see* Lemaire, M.-C. 9—80952
Steiner, M. Solitons in $CsNiF_3$: their experimental evidence and their thermodynamics 9—78430
Steiner, M., Dachs, H., Ott, H. The determination of the magnetic structure of $DyCrO_4$ by neutron diffraction 9—51753
Steiner, M., Giordano, N. Neutron diffraction study of DAG at very low temperatures and in external magnetic field 9—61067
Steiner, M., Kjems, J.K. Observation of solitons as a gas of quasiparticles in $CsNiF_3$ 9—73679
Steiner, M. *see* Millhouse, A.H. 9—78371
Steiner, P., Hochst, H. X-ray excited photoelectron spectra of $LiNbO_3$: A quantitative analysis 9—100025
Steiner, P., Hochst, H., Schneider, J., Hufner, S., Politis, C. The XPS valence band spectra of Hf metal and $HfC_xN_yO_z$ compounds and the correlation to their superconductivity 9—65980
Steiner, R. *see* Schadow, E. 9—94601
Steiner, W. *see* Tschegg, E. 9—96235
Steiner, W.W. *see* Hafner, G.W. 9—88093
Steinfield, J.I., Sutton, D.G. Surface-hopping model for near-resonant electronic energy transfer 9—86030
Steinfink, H. *see* Rendon-Diazmiron, L.E. 9—60326
Steinhauer, H. *see* Schwabe, K. 9—96491
Steinhauer, J. Evaluation of the limits of resolution of electro-mechanical balances using the characteristic values of their load cells. I. Errors of balance and load cells 9—71445
Steinhaus, E., Lipson, S.G. Bimorph piezoelectric flexible mirror 9—59787
Steinhauser, H.G. *see* Gutlich, P. 9—69675
Steinhauser, K.-A. *see* Steyerl, A. 9—86653
Steinhauser, O., Neumann, M. Structure of liquid carbon disulphide: a molecular dynamics study 9—77488
Steinhauser, O. *see* Neumann, M. 9—77470
Steinhauser, P. *see* Seiberl, W. 9—53327
Steinheil, E., Scherber, W., Seidl, M., Rieger, H. Investigations on the interaction of gases and well-defined solid surfaces with respect to possibilities for reduction of aerodynamic friction and aerothermal heating 9—95896
Steinhoff, J. Optimization of heavy ion focussing systems with large numbers of magnets 9—68074
Steinike, U., Ebert, I., Jedamzik, J., Kretzschmar, U., Hennig, H.-P. Share of knowledge with respect to intermediate activation mechanism and structure changes in solid-state body. Investigation of amorphous zone distribution in oscillation ground quartz surface 9—64995
Steinitz, M.O., Grunzweig-Genossar, J. A new phase transition in 2H-$TaSe_2$—A dilatometric study 9—51256
Steinitz, R., Eyni, M. Velocity biasing in sampling of the solar wind 9—53698
Steinitz, R. *see* Owen, D.A. 9—63967
Steinke, T. *see* Foley, C.D. 9—70561
Steinle, B. *see* Baltes, H.P. 9—81357
Steinman, D.K., Stokes, J., Atwell, T., Dittrich, T., Friesenhahn, S. ^{252}Cf-based borehole logging system for uranium 9—53569
Steinman, M. *see* Kowler, E. 9—100604
Steinman, R.M. *see* Kowler, E. 9—100605
Steinman, R.M. *see* Skavenski, A.A. 9—100595
Steinmann, J. *see* Schaeffer, H.A. 9—99359
Steinmetz, J. *see* Malaman, B. 9—90596
Steinmetz, L.L. Picosecond photodetector for 257 nm to 1 μm laser pulses 9—67388
Stejny, J., Dlugosz, J., Keller, A. Electron microscope diffraction characterization of the fibrous structure of poly(sulphur nitride) crystals 9—65004
Stekas, J. *see* Abshire, G. 9—81124
Steketee, J., van der Hoek, M.J. Thermal recovery of the skin after cooling 9—53050
Steklov, A.F. The atmospheres of planetary satellites. II. The maximum permissible temperature of the exospheres of the Galilean satellites of Jupiter 9—70989
Steklov, O.I., Matokhin, G.V. Diagnostics of a corrosive-mechanical destruction mechanism under low-cyclic loading 9—100285
Steklov, O.I. *see* Polyarus, A.N. 9—52502
Stekol'shchikov, E.V. *see* Alekseev, Yu.P. 9—86277
Stelbovics, A.T. *see* Afnan, I.R. 9—76030
Stelbovics, A.T. *see* Stingl, M. 9—75861
Stell, G. *see* Blum, L. 9—86664
Stell, G. *see* Hoye, J.S. 9—64969, 9—99045
Stell, G. *see* Martina, E. 9—90361
Stella, A. *see* Campagnoli, G. 9—95738
Stella, A.L. *see* Van Saarloos, W. 9—85092
Stella, B. *see* Bacci, C. 9—93440
Stella, B. *see* Celio, R.B. 9—93425
Stelle, K.S., West, P.C. de Sitter gauge invariance and the geometry of the Einstein-Cartan theory 9—75425
Steller, K., Reymann, Z., Targan, M., Hammitt, F.G. Comments on erosion tests conducted in an ASTM interlaboratory test program 9—61819
Stellingwerf, R.F. *see* Buff, J. 9—75088
Stellingwerf, R.F. *see* Cox, J.P. 9—84806
Stellmacher, G., Wiehr, E. A common model for solar filigree and faculae 9—71013
Stelmachowicz, P.G., Lilly, D.J. An indirect estimate of auditory-frequency selectivity from acoustic-reflex measurements 9—83797
Stel'makh, N.S. *see* Spitsyn, V.I. 9—51989
Stel'makh, O.M. *see* Dul'nev, G.N. 9—64238
Stelmakh, V.F. *see* Yukovskii, P.V. 9—60408
Stel'makh, V.F. *see* Zhukovskii, P.V. 9—51172
Stelson, A.W., Friedlander, S.K., Seinfeld, J.H. A note on the equilibrium relationship between ammonia and nitric acid and particulate ammonium nitrate 9—88389
Stelson, P.H. *see* Fulmer, C.B. 9—93657
Stelson, P.H. *see* Gomez del Campo, J. 9—67771, 9—71873
Stelson, P.H. *see* Meyer, F.W. 9—59560
Stelson, P.H. *see* Shapira, D. 9—76250
Stelson, P.H. *see* Stokstad, R.G. 9—93656
Stelte, N. *see* Fowler, G.N. 9—59028
Stelts, M.L., Chrien, R.E., Goldhaber, M., Kenny, M.J., McCullagh, C.M. Angular distributions of the ^{6}Li(n,t)^{4}He and ^{10}Bn(n,α)^{7}Li reactions at 2 and 24 keV 9—54440
Stelts, M.L. *see* Cizewski, J.A. 9—75853
Stelts, M.L. *see* Smith, G.J. 9—93515
Stelzer, H. *see* Berlanger, M. 9—67636
Stelzer, H. *see* Lynen, U. 9—72202
Stelzer, K. *see* Bass, R. 9—76317
Stenbacka, R., Walck, Ch., Ekspong, G., Nilsson, S., Gregory, P., Mason, P., Muirhead, H., Warren, G. Multiplicity distributions and π^0 production in antiproton-proton annihilation between 0 and 100 GeV/c 9—63507
Stenbaek-Nielsen, H.C., Hallinan, T.J. Pulsating auroras: evidence for noncollisional thermalization of precipitating electrons 9—96851
Stenberg, L. Electron microscopy studies of Mo_3CoSi 9—51047
Stenberg, L. The real structure of crystals of the tetrahedrally close-packed alloys 9—94961
Stenberg, L., Andersson, S. Electron microscope studies on a quenched Fe-Mo alloy 9—79000
Stencel, J.M., Heinz, R.E., Bradley, E.B. Structural changes in a sulfur-resistant methanation catalyst as determined from infrared spectra 9—73912
Stencel, R.E. *see* Van Der Hucht, K.A. 9—71028
Stenflo, L. Wave-wave interactions in rotating gases 9—60123
Stenflo, L. *see* Lashmore-Davies, C.N. 9—86578
Stenflo, L. *see* Tsintsadze, N.L. 9—77363
Stengl, G. *see* Reiter, W.L. 9—68172
Stenholm, S. *see* Bambini, A. 9—76655, 9—98330
Stenholm, S. *see* Kyrola, E. 9—81400
Stenholm, S. *see* Stahlberg, B. 9—89943
Stenhouse, I.A., Williams, D.R. Lasing characteristics of dyes transversely pumped by a pulsed, frequency doubled, Nd/YAG laser 9—72561
Stenhouse, I.A. *see* Williams, D.R. 9—97444
Stenin, S.I. *see* Astakhov, V.M. 9—65340
Stenin, S.I. *see* Pchelyakov, O.P. 9—64961
Stenin, S.I. *see* Trukhanov, E.M. 9—87015
Stening, R.J., Meek, C.E., Manson, A.H., Stephenson, D.G. Winds and wave motions to 110 km at midlatitudes. VI. Tidal, gravity and planetary waves, 1976 9—79935
Stening, R.J., Winch, D.E. Seasonal changes in the global lunar geomagnetic variation 9—53598
Stening, R.J. *see* Manson, A.H. 9—53464
Stenlund, E. *see* Andersson, B. 9—75986
Stenmark, E.B. *see* Pinnick, R.G. 9—58086

Stenschke, H. Superfluidity in helium films 9—69314
Stensgaard, I., Feldman, L.C., Silverman, P.J. MeV ion scattering studies of the reconstruction of the W (001) surface and its reordering by hydrogen adsorption 9—82443
Stensland, L. Optical integrated circuit technology 9—94371
Stensland, L., Borak, G. Precision measurements with OTDR 9—64354
Stenstrand, K., Annanmaki, M., Rytomaa, T. Cytogenetic investigation of people in Finland using household water with high natural radioactivity 9—70587
Stenzel, R.L., Gekelman, W. Experiments on magnetic-field-line reconnection 9—50851
Stepan, I.E., Anderson, D.M., Harker, Y.D. The CFRMF neutron radiography facility 9—93720
Stepanchuk, V.F., Shilo, A.F., Kushushko, V.V. Circulatory flow of a viscous incompressible liquid 9—59992
Stepanchuk, V.P. *see* Maksimenko, Yu.N. 9—56092
Stepanenko, A.S. *see* Valyavko, V.V. 9—93227
Stepanenko, A.V. *see* Vereshchagin, M.N. 9—96046
Stepanenko, N.F. *see* Adrianova, I.I. 9—50403
Stepanenko, V.A., Starodubtseva, L.N., Goryunov, O.Yu., Dobrikov, V.N., Nemets, O.F., Rudchik, A.T. Making thin targets for studying reactions with heavy particles at low energies 9—68112
Stepanenko, V.A. *see* Krasovskii, A.Ya. 9—96143
Stepanenko, V.A. *see* Krasowsky, A.J. 9—74238
Stepanenko, V.A. *see* Parkhomenko, T.A. 9—57119
Stepanenko, V.A. *see* Vainshtok, V.A. 9—90189
Stepanenko, V.N., Nemtsev, V.A. Experimental investigation of local heat transfer during the cooling of superheated steam 9—59985
Stepanescu, A. *see* Celasco, M. 9—78220, 9—84944
Stepaniak, J. *see* Braun, H. 9—58969
Stepanian, A.A. *see* Neshpor, Yu.I. 9—62932
Stepanov, A.A. *see* Anders, A.G. 9—61234
Stepanov, A.A. *see* Virnik, Ya.Z. 9—94265
Stepanov, A.I. *see* Gratsianov, K.V. 9—72609
Stepanov, A.I. *see* Valeev, K.G. 9—63042
Stepanov, A.V. *see* Basargin, Yu.G. 9—54628
Stepanov, A.V. *see* Bogdanov, P.V. 9—54656
Stepanov, B.I. *see* Bertel', I.M. 9—89887
Stepanov, B.I. *see* Ivakin, E.V. 9—81476
Stepanov, B.M. *see* Antonets, E.P. 9—97465
Stepanov, B.M. *see* Dukhovskoi, E.A. 9—87140
Stepanov, B.M. *see* Granovskii, A.B. 9—64344
Stepanov, B.M. *see* Klyukin, L.M. 9—89995
Stepanov, B.M. *see* Medvedev, Yu.A. 9—64148, 9—70852, 9—97908
Stepanov, E.K. *see* Danilenko, V.N. 9—68125
Stepanov, G.N., Yakovlev, E.N., Valyanskaya, T.V. Superconduction in NaCl at high pressure 9—65576
Stepanov, G.V. A model for mechanical behavior of metallic materials under impulse loading 9—52332
Stepanov, G.V. *see* Romanchenko, V.I. 9—57118
Stepanov, G.W. *see* Abramchuk, G.A. 9—93132
Stepanov, G.Yu. *see* Podvidz, G.L. 9—90232
Stepanov, I.V. *see* Krasnov, L.V. 9—93627
Stepanov, K.N. *see* Longinov, A.V. 9—90406
Stepanov, K.N. *see* Zaznoba, V.A. 9—64873
Stepanov, L.V. *see* Berg, B.V. 9—60058
Stepanov, M.B. *see* Agranat, M.B. 9—95879
Stepanov, N.F., Nemukhin, A.V. Theoretical calculation of the fundamental frequencies of the vibrations of the LiOH molecule 9—98068
Stepanov, N.F. *see* Nemukhin, A.V. 9—59344, 9—63929
Stepanov, N.S. *see* Egorov, G.S. 9—67130
Stepanov, N.S. *see* Gavrilenko, V.G. 9—82068
Stepanov, S.B. *see* Zhitarev, V.E. 9—93682, 9—99055
Stepanov, S.I. *see* Miridonov, S.V. 9—64185
Stepanov, S.I. *see* Petrov, M.P. 9—55084, 9—98322
Stepanov, V.A. *see* Belenov, E.M. 9—51727
Stepanov, V.A. *see* Bershtein, V.A. 9—51967, 9—86723
Stepanov, V.A. *see* Konenkov, N.V. 9—50915
Stepanov, V.A. *see* Peschanskaya, N.N. 9—69188
Stepanov, V.E., Yappa, Yu.A. Lee's derivative of geometrical objects (on the tetradic formulation of the gravity theory) 9—93024
Stepanov, V.G. *see* Abdulsabirov, R.Yu. 9—73856
Stepanov, V.I. Applications of dye lasers in spectroscopy and luminescence 9—55130
Stepanov, V.P., Smirnov, M.V. Surface tension of binary molten mixtures of alkali metal iodides 9—65294
Stepanov, V.V. *see* Bayukov, Yu.D. 9—49538
Stepanov, V.V. *see* Borisov, A.A. 9—64737
Stepanov, V.V. *see* Gel'fand, B.E. 9—86492
Stepanov, Yu.Yu. *see* Baranov, V.Yu. 9—64214
Stepanova, G.A., Zakirov, R.Kh. Double phototransistor sensitive to the coordinate of a light spot 9—93217
Stepanova, M.I., Shelykh, A.I. Attachment to spectrophotometer type SF-16 for measuring reflectivity 9—85160
Stepanova, N.A. *see* Kontorovich, V.M. 9—51471
Stepantsov, E.A., Akchurin, M.Sh., Govorkov, V.G. Variation of the strength property anisotropy of surface layers of $Y_3Al_5O_{12}$ crystals with heat treatment 9—56053
Stepanyan, A.A., Neshpor, Yu.I., Fomin, V.P. Results of investigation of streams of γ-quanta of ultrahigh energy from the X-ray source 'Cygnus X-3' and from the galactic plane 9—80368
Stepan'yan, A.E., Krasnov, E.P., Lukasheva, N.V., Khalatur, P.G. The theoretical study of the conformational properties of polymetaphenylene isophthalamide 9—65009
Stepanyants, Yu.A. *see* Ezerskii, A.B. 9—55363
Stepanyants, Yu.A. *see* Pelinovskii, E.N. 9—94390
Stepanychev, E.I. *see* Gunyaev, G.M. 9—87699
Steph, N.C., McDonald, L., Golden, D.E. Analysis of low-energy scattering cross sections. I. Electron-helium elastic scattering 9—54966
Stephan, C. *see* Raisbeck, G.M. 9—71819
Stephan, C. *see* Tricoire, H. 9—54448
Stephan, G., Adler, I.-D., Schwartz-Porsche, D., Hollihn, K.-U., Obe, G. Characterization of feline whole-blood cultures and determination of the frequency of radiation-induced dicentrics in human and felin lymphocytes 9—96624
Stephan, H.-K. *see* Kaase, H. 9—80679
Stephan, K., Preusser, P. Heat transfer and maximum heat flux density during boiling of binary and ternary mixtures in a vessel 9—68559
Stephan, K., Vogt, H. A model for correlating mass transfer data at gas evolving electrodes 9—79258
Stephan, K.-H., Comes, F.J. Chemiluminescent iodine atom recombination 9—96291
Stephani, H. A method to generate algebraically special pure radiation field solutions from the vacuum 9—71307
Stephans, G. *see* Mordechai, S. 9—63594
Stephany, J.F. Higher-dimensional extensions of Pauli spin matrices 9—92969
Stephany, W. *see* Cohn, D.R. 9—71971
Stephen, J., Smith, B.J., Blamires, N.G. Pulsed laser annealing of ion implanted silicon 9—73180
Stephen, M.J. *see* McLean, W.L. 9—82722
Stephen, N.G., Maltbaek, J.C. The relationship between the centres of flexure and twist 9—86335
Stephens, A.E., Miller, R.E., Sybert, J.R., Seiler, D.G. Shubnikov-de Haas effect in n-InAs and n-GaSb 9—51602
Stephens, A.E. *see* Seiler, D.G. 9—73529
Stephens, D.G. Developments in ride quality criteria 9—90076
Stephens, D.R. *see* Hill, R.W. 9—87951
Stephens, F.S. *see* Korner, H.J. 9—89221
Stephens, G.L. Radiation profiles in extended water clouds. I. Theory 9—79929
Stephens, G.L. Radiation profiles in extended water clouds. II. Parameterization schemes 9—79930
Stephens, G.L., Paltridge, G.W., Platt, C.M.R. Radiation profiles in extended water clouds. III. Observations 9—79931
Stephens, J.R., Kothari, B.K. Laboratory analogues to cosmic dust 9—58397
Stephens, J.R., Witzke, W.R. Effects of thermomechanical processing on strength and toughness of Fe-12Ni reactive metal alloys at 77K 9—70112
Stephens, K. *see* Latham, A. 9—89168
Stephens, K. *see* Morris, J.V. 9—93434
Stephens, K.G. *see* Badawi, M.H. 9—79131
Stephens, K.G. *see* Kular, S.S. 9—79127
Stephens, K.G. *see* Sealy, B.J. 9—73195
Stephens, K.G. *see* Yamamoto, Y. 9—91719
Stephens, L.D., Barrett, R. A brief history of a '20th century danger sign' [radioactivity symbol] 9—67135
Stephens, N.L. *see* Antonissen, L.A. 9—100648
Stephens, P.R. Three-dimensional reconstructions of a cavity using plastic sheet and modelling clay 9—84037
Stephens, P.W., Heiney, P., Birgeneau, R.J., Horn, P.M. X-ray scattering of the commensurate-incommensurate transition of monolayer krypton on graphite 9—73382
Stephens, R. Feasibility of high-frequency field-modulation for Zeeman-modulated atomic-absorption spectrometers 9—57341
Stephens, R.I., Benner, P.H., Mauritzson, G., Tindall, G.W. Constant and variable amplitude fatigue behavior of eight steels 9—61711
Stephens, R.R., Lind, R.C. Experimental studies of adaptive laser resonator techniques (ALERT) 9—59729
Stephens, R.R. *see* Pinnow, D.A. 9—59804
Stephens, W.E. *see* Richards, W.J. 9—67929
Stephenson, C.B. Novalike object in Vulpecula 9—58344
Stephenson, D.G. *see* Stening, R.J. 9—79935
Stephenson, E.J. *see* Bowles, T. 9—93663
Stephenson, E.J. *see* Conzett, H.E. 9—89314
Stephenson, F.R. Pre-telescopic observations and their uses in modern astronomy 9—96930
Stephenson, F.R. *see* Clark, D.H. 9—58307, 9—66975
Stephenson, G.J., Jr. *see* Goldman, T. 9—63570
Stephenson, J. Hard and soft-core equations of state for simple fluids. III. Characteristic curves and hard-core equations of state 9—55862
Stephenson, J. Hard and soft-core equations of state for simple fluids. I. Hard-core equations of state and loci of C_p extrema 9—60474
Stephenson, J. Hard and soft-core equations of state for simple fluids. IV. Elementary theory of termination temperatures 9—82305
Stephenson, J. Hard and soft-core equations of state for simple fluids. V. Termination temperatures for the Lennard-Jones m, n potential 9—82306
Stephenson, J. Hard and soft-core equations of state for simple fluids. VI. General theory of termination temperatures, and a validity criterion for the second virial coefficient 9—82307
Stephenson, J., Leung, H.K. Hard- and soft-core equations of state 9—55635
Stephenson, J., Leung, H.K. Hard and soft-core equations of state for simple fluids. II. Characteristic curves for argon 9—55861
Stephenson, J.C., Freund, S.M. Infrared laser enhanced reactions: chemistry of NO(v=1) with O_3^* 9—66286
Stephenson, J.C., King, D.S., Goodman, M.F., Stone, J. Experiment and theory for CO_2 laser-induced CF_2HCl decomposition rate dependence on pressure and intensity 9—68257
Stephenson, J.C. *see* Akins, D.L. 9—94061
Stephenson, J.C. *see* King, D.S. 9—98168
Stephenson, J.D., Tuomi, T., Kelha, V., Tilli, M. Quasi-lifetime topography of magnetic domain movements in grain oriented (100) [001] Fe-3 wt% Si polycrystals using white synchrotron radiation. II. The influence of small tensile stress 9—82815
Stephenson, J.D. *see* Tuomi, T. 9—87284
Stephenson, J.L. *see* Mejia, R. 9—83822
Stephenson, J.L. *see* Weinstein, A.M. 9—88063
Stephenson, J.W., Manohar, R. Forbidden nodes for curved finite elements 9—88796
Stephenson, N.C. Ordered superlattices 9—94844
Stephenson, P.L. *see* Gane, C.R. 9—81869
Stephenson, R., Thomas, M.D. Three-dimensional gravity analysis of the Kiglapait layered intrusion, Labrador 9—84072
Stephenson, R.C. Design information for thermoplastic composites: coupled glass-fibre-reinforced polypropylene 9—96098
Stepien-Rudzka, W. *see* Wycech, S. 9—93452
Stepin, B.S. *see* Valyaev, N.I. 9—90229
Stepnaik, A., Skwarcz, J. Optical and magneto-optical properties of $Sm_{0.55}Tb_{0.45}FeO_3$ 9—61396
Stepniewski, R., Grynberg, M., Wittlin, A., Chroboczek, J.A. Far-infrared magnetoabsorption in HgTe involving resonant acceptor states 9—69813
Steponkus, P.L. *see* Levin, R.L. 9—92197
Stepov, V.V. *see* Vikulov, V.F. 9—72030
Stepovik, L.V. *see* Klenin, V.I. 9—79698
Steppe, J.A. Reducing noise in tectonomagnetic experiments by linear regression 9—84515
Steppeler, J. On the critical Reynolds number of plane Couette flow 9—81931
Stere, C. *see* Maruta, A. 9—83647
Sterin, Kh.E. *see* Denisov, V.N. 9—73953
Sterke, A.De *see* De Sterke, A.
Sterligov, V.A. *see* Vlasenko, N.A. 9—64186, 9—71510
Sterlin, Yu.G. *see* Rozenblat, L.Sh. 9—79477
Sterman, G. Zero-mass limit for a class of jet-related cross sections 9—71736
Sterman, G. *see* Libby, S.B. 9—71707
Stermer, R.L., Jr. *see* Kamin, M. 9—78483
Stern, A., Rosen, M., Weiss, B.Z. Dislocation relaxation in polycrystalline cubic metals under high pressure 9—77605
Stern, A. *see* Balachandran, A.P. 9—71627, 9—97508
Stern, C., Elthon, D. Vertical variations in the effects of hydrothermal metamorphism in Chilean ophiolites: their implications for ocean floor metamorphism 9—88354
Stern, D.P. The role of O-type neutral lines in magnetic merging during substorms and solar flares 9—53665
Stern, E. *see* Ralston, R.W. 9—98547
Stern, E. *see* Smythe, D.L. 9—72757
Stern, E.A., Heald, S.M., Bunker, B. Amplitude of the extended-X-ray-absorption fine structure in bromine molecules 9—59489
Stern, J. New techniques in ordinary and partial differential equations 9—75326
Stern, J. Large elastic deformations of a hinged strut 9—81725
Stern, M., Howard, W., Kao, Y.H. Enhanced Josephson radiation and linewidth-narrowing of superconducting microbridges in a resonant cavity 9—56433
Stern, M.E. Inequalities and variational principles for turbulent transport 9—60063
Stern, M.S. An integral equation program to calculate radial wave functions and scattering phase shifts of short-range local interactions 9—84976

Stern, R., Bowyer, S. Apollo-Soyuz survey of the extreme-ultraviolet/soft X-ray background 9—71160
Stern, T. *see* Graf, A. 9—94139
Sternberg, A. *see* Leibowitz, E.M. 9—101165
Sternberg, E., Knowles, J.K. On the existence of an elastic potential for a simple material without memory 9—94486
Sternberg, R.W., Marsden, M.A.H. Dynamics, sediment transport, and morphology in a tide-dominated embayment 9—100841
Sternberg, S.R. Cytocomputer biomedical image analysis 9—92419
Sternheimer, R.M. Ordering of the excited-state atomic energy levels and fine-structure inversion in atomic and ionic spectra 9—59388
Sternheimer, R.M. k ordering of atomic energy levels and its relation to the spectroscopic quantum defects 9—89657
Sternick, E.S. Algorithms for computerized treatment planning 9—100733
Sternick, E.S. *see* Strohbehn, J.W. 9—57758
Sternin, L.E. Formula for the momentum change due to a small heat input (extraction) in a reacting gas flow 9—94741
Sternina, I.M. On the solution of the inverse problem of propagation in an Earth-ionosphere waveguide model 9—58154
Stert, V. *see* Ritze, H.-H. 9—55189
Sterzer, F. *see* Mendecki, J. 9—62296, 9—100696
Steshenko, A.I. *see* Filippov, G.F. 9—75811
Stesik, L.N. *see* Derevyaga, M.V. 9—100372
Steslicka, M., Kempa, K. Surface structure and energy spectra of localized states 9—60885
Steslicka, M., Perkal, Z. Shockley states in a semi-infinite Kronig-Penney model 9—73562
Stesmans, A., van Meijel, J., Braim, S.P. Influence of frequency and temperature on the conduction-electron spin-resonance linewidth and g value in copper 9—87318
Stesmans, A. *see* Braim, S.P. 9—51856
Stesmans, A. *see* Witters, J. 9—99769
Stetina, K. *see* Reznicek, P. 9—87809
Stetsenko, A.I. *see* Smirnova, T.A. 9—94202
Stetsenko, P.N., Antipov, S.D., Mostafa, M.A. The possibility of spin reorientation in the iron sublattice of quasibinary compounds $Tb(Fe_{1-x}Rh_x)_2$ 9—78335
Stetsenko, P.N. *see* Mager, S. 9—56520
Stetsenko, T.P. *see* Voitsekhovskii, A.V. 9—91498
Stetson, P.B. Photographic stellar photometry with the PDS microdensitometer 9—88600
Stetson, P.B. The dwarf spheroidal galaxy in Draco. I. New BV photometry 9—97076
Stetson, P.B. The dwarf spheroidal galaxy in Draco. II. Galactic foreground reddening 9—97077
Stetsovskii, A.P., Zhuravleva, L.A., Khazanov, M.I. The study of the processes of dielectric relaxation of the polar molecules introduced into a polymeric matrix 9—87387
Stettler, A., Allegre, C.J. ^{87}Rb-^{87}Sr constraints on the genesis and evolution of the Cantal continental volcanic system (France) 9—88327
Stettler, A., Bochsler, P. He, Ne and Ar composition in a neutron activated sea-floor basalt glass 9—74866
Stettler, A. *see* Maurer, P. 9—53739
Stetz, A.W. *see* Anderson, A.N. 9—71834
Stetz, A.W. *see* Kitching, P. 9—67755
Steudel, A. *see* Brandt, H.-W. 9—67647
Steuer, M. *see* Apel', V.D. 9—89194
Steuer, M. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195
Steuer, M. *see* Fidecaro, G. 9—85343
Stevefelt, J. *see* Gand, M. 9—94827
Stevels, A.L.N. Red Mn^{2+}-luminescence in hexagonal aluminates 9—61420
Steven, A.C. *see* Carrascosa, J.L. 9—53040
Steven, G.P. *see* Tran Cong, T. 9—97208
Steven, G.P. *see* Tran-Cong, T. 9—86336
Steven, J. *see* Dorr, W. 9—49803
Steven, J.R. *see* Plumb, I.C. 9—61848
Stevenin, B. *see* Oudin, J. 9—64589
Stevens, A.E. *see* Horner, R.B. 9—84164
Stevens, A.J. *see* Hill, D.G. 9—71744
Stevens, A.L. *see* Parrish, R.L. 9—87955
Stevens, B., Ors, J.A. Singlet and triple precursors of $O_2(^1\Delta g)$ 9—52714
Stevens, B.A. A bibliography on laser processing of semiconductors 9—74028
Stevens, D.C. *see* Minns, R.J. 9—74789
Stevens, D.J. Living with radiation 9—88149
Stevens, D.S. *see* Sinha, B.K. 9—90166
Stevens, E.A. *see* Norman, D. 9—92360
Stevens, E.D., Coppens, P. Refinement of metal d-orbital occupancies from X-ray diffraction data 9—68971
Stevens, E.D. *see* Kvick, A. 9—86777
Stevens, F.A. *see* Scurlock, R.G. 9—58717
Stevens, G.A. *see* Hoyng, P. 9—75089
Stevens, G.W.W. *see* Allen, D.M. 9—61779
Stevens, H.C. *see* Stacey, W.M., Jr. 9—71967
Stevens, J. *see* Gore, T.A. 9—74766
Stevens, J.G., Gettys, W.L. Mossbauer isomer shift reference scales 9—87368
Stevens, J.R. *see* Alms, G.R. 9—57228
Stevens, K.W.H. Intermediate valency 9—78047
Stevens, M.F. *see* Shridhar, M. 9—100766
Stevens, M.V. *see* Martin, T.W. 9—52717
Stevens, P.F. *see* Mook, G.A. 9—70694
Stevens, R. Failure and oxidation phenomena in Fe-35 Ni-18 Cr-2 Si heating-element wire 9—83378
Stevens, R.A., Flewitt, P.E.J. The effects of γ' precipitate coarsening during isothermal aging and creep of the nickel-base superalloy IN-738 9—52271
Stevens, R.A. *see* Cuatis, C.V. 9—89193
Stevens, S. *see* Evans, R.B. 9—96457
Stevens, W.J. *see* Konowalow, D.D. 9—76362, 9—98175
Stevens, W.J. *see* Krauss, M. 9—98176
Stevens, W.K., Su, C.H. Steady stratified flows over a long obstacle 9—90306
Stevenson, A.E. A new era in space 9—84641
Stevenson, D.A. *see* Dun, H. 9—49330
Stevenson, D.J. Solubility of helium in metallic hydrogen 9—60602
Stevenson, G.R., Williams, E., Jr., Caldwell, G. Calorimetric disproportionation enthalpies 9—96296
Stevenson, J.M. *see* Anderson, R.J.M. 9—99900
Stevenson, J.N., Peterson, J.R. Preparation and structural studies of elemental curium-248 and the nitrides of curium-248 and berkelium-249 9—99115
Stevenson, J.R., Mullen, J.G., Colella, R. Mossbauer diffraction experiments with LiF: a new technique for calibration 9—82897
Stevenson, M. *see* Ikeda, Y. 9—53364
Stevenson, M.G. *see* Sasa, P. 9—49746
Stevenson, M.L. Search for massive, long-lived, fractionally charged particles produced by 300-GeV protons 9—89311
Stevenson, P.C. *see* Meyer, R.A. 9—71978
Stevenson, P.M. QCD and final-state jet measures in leptoproduction 9—89117
Stevenson, R., Bailey, D.J., Thomas, G. High strength low carbon sheet steel by thermomechanical treatment. II. Microstructure 9—57015
Stevenson, R. *see* Bailey, D.J. 9—57014
Stevenson, R.E. The fourth dimension in ocean remote sensing 9—58225
Stevenson, R.J. *see* White, D.N. 9—96730
Stevenson, R.L. Observations on problem solving in nuclear criticality safety 9—63768
Stevic, S., Videau, J.-J., Portier, J. On new fluorophosphate glasses 9—100104
Steward, F.R. *see* Tennankore, K.N. 9—64720
Steward, J.L., Parsons, R.W. Microwave studies of the dynamic Stark shift 9—72352
Steward, S.A., Alire, R.M. Surface analysis of the SAES ST101 getter during simulated pumping 9—67945
Steward, V.W. Proton (heavy ion) radiography in medical diagnosis 9—57753
Stewart, A.I. *see* Cravens, T.E. 9—100991
Stewart, A.I. *see* Esposito, L.W. 9—101100
Stewart, A.I. *see* Sharp, W.E. 9—75011
Stewart, A.L. *see* Berman, S.M. 9—100599
Stewart, A.M. *see* Chiu, L.B. 9—61210, 9—82868, 9—86743
Stewart, A.T. *see* Eldrup, M. 9—52039
Stewart, A.T. *see* Nishida, N. 9—56687
Stewart, A.T. *see* Smith, P. 9—79173
Stewart, B.D. *see* Barsoum, R.S. 9—72856
Stewart, C.G. *see* Myers, D.K. 9—88140
Stewart, C.P. *see* Jones, T.B. 9—58179
Stewart, D.A., Essenwanger, O.M. Frequency distribution of wind speed near the surface 9—79946
Stewart, D.B. Petrogenesis of lithium-rich pegmatites 9—57918
Stewart, D.T. *see* Armstrong, T.A. 9—85344
Stewart, G.A. *see* Butler, D.M. 9—60621
Stewart, G.C. *see* Brown, A. 9—67005
Stewart, G.R. Relationship between the critical field and energy gap of a superconductor 9—65621
Stewart, G.R., Giorgi, A.L. Specific heat of BCC $Mo_{1-x}Tc_x$ 9—87190
Stewart, G.R., Matthias, B.T., Giorgi, A.L., Szklarz, E.G., Smith, J.L. The specific heat of two cubic Laves compounds: $TiBe_2$ and $ThMg_2$ 9—82356
Stewart, G.S. *see* Butler, R. 9—92495
Stewart, G.S. *see* Ebel, J.E. 9—66627
Stewart, J.E. A general point-on-a-ring detector 9—59282
Stewart, J.M. A digital speech voltmeter using a microprocessor 9—72768
Stewart, J.M. Hertz-Bromwich-Debye-Whittaker-Penrose potentials in general relativity 9—88858
Stewart, J.M., Szymanski, J.T. A redetermination of the crystal structure of potassium trithionate, $K_2S_3O_6$ 9—99126
Stewart, J.M., Szymanski, J.T. The crystal structure of potassium tetrathionate, $K_2S_4O_6$ 9—99127
Stewart, J.M. *see* Schmidt, B.G. 9—93010
Stewart, J.R. Particle accelerators in cancer therapy. Current status and overview of the planned program for heavy particle therapy 9—74783
Stewart, K.M. *see* Piech, K.R. 9—53376
Stewart, L., Madland, D.G., Young, P.G. Evaluation of the neutron-induced reactions for ^{233}U 9—67795
Stewart, L. *see* Eubank, H. 9—82074
Stewart, L. *see* Strachan, J.D. 9—68954
Stewart, L.D. *see* Jassby, D.L. 9—50898
Stewart, N.M. *see* Bugg, D.V. 9—67594
Stewart, N.M. *see* Shaban, A.M. 9—97930
Stewart, P. *see* Luheshi, M. 9—66915
Stewart, P.A.E. Close range X-ray [and cold neutron] photogrammetry at Rolls-Royce 9—75637
Stewart, R.F. On the mapping of electrostatic properties from Bragg diffraction data 9—94841
Stewart, R.F. *see* Epstein, J. 9—50926, 9—81279
Stewart, R.M. *see* Bakun, W.H. 9—66625
Stewart, R.W., Bufton, J.L., Matloff, G.L. Application of a microprocessor controlled lidar to tropospheric ozone measurements 9—58137
Stewart, R.W. *see* Hameed, S. 9—58043
Stewart, S.F.C., Palmieri, V., Cochran, G.V.B. Wheelchair cushion effect on skin temperature, heat flux, and relative humidity 9—83707
Stewart, W. *see* Dean, J.W. 9—58736
Stewart, W.J. Method for measuring power distributions in graded- and step-index fibers 9—50437
Stewartson, K., Cheng, H.K. On the structure of inertial waves produced by an obstacle in a deep, rotating container 9—59993
Stewartson, K., Weinstein, M. Marginal convection in a large rigid box 9—90257
Stewartson, K. *see* Brown, S.N. 9—81877
Stewartson, K. *see* Cebeci, T. 9—64648
Steyaert, J. *see* Jongen, Y. 9—54676, 9—72116
Steyerl, A., Steinhauser, K.-A. Proposal of a Fabry-Perot-type interferometer for X-rays 9—86653
Steyert, W.A. Magnetic refrigerators for use at room temperature and below 9—67314
Steyn, J.J. Projecting the 1985 fuel cycle: enrichment 9—63796
Sthapak, B.K. *see* Verma, M.L. 9—62058
Stiassnie, M. On the application of fractional calculus for the formulation of viscoelastic models 9—98627
Stiassnie, M., Dagan, G. Partial reflexion of water waves by non-uniform adverse currents 9—64681
Stibius Jensen, M. *see* Gerward, L. 9—99980
Stibunov, V.N. *see* Glavanakov, I.V. 9—67744
Stickelmann, J. *see* Friedrich, G. 9—67960
Stickland, D.J. The UV spectrum of the possible radio star HD 26676 9—101150
Stickland, D.J. *see* Harmer, D.L. 9—62828
Stickler, D.C., Ahluwalia, D.S. Impedance calculations for a refracting layer 9—90065
Sticksel, P.R. *see* Spicer, C.W. 9—92110
Stidham, H.D., DiLella, D.P. Vibrational perturbation: a chemical aid to assignment. I. Fermi resonance in the ν_8 region of isotopic pyridines 9—89679
Stieb, A.E. Paired disclinations of opposite strengths and disclinations of the strength Q in planar cholesteric wedge layers 9—86696
Stief, L.J., Payne, W.A., Lee, J.H., Michael, J.V. The reaction $N(^4S)+O_3$: an upper limit for the rate constant at 298K 9—74360
Stief, L.J. *see* Lee, J.H. 9—66327
Stief, L.J. *see* Michael, J.V. 9—66271, 9—74359
Stief, L.J. *see* Whytock, D.A. 9—66283
Stiening, R. *see* Brindza, P. 9—68085
Stiening, R.F., Hildebrand, R.H., Spillar, E.J. Changes in the rapid oscillations of AH Herculis during an outburst 9—88686
Stiening, R.F. *see* Whitcomb, S.E. 9—53743
Stierlin, U. *see* Becker, H. 9—54363, 9—63533
Stierman, D.J., Kovach, R.L. An in situ velocity study: the Stone Canyon well [San Andreas fault zone] 9—57865
Stierstadt, K. *see* Soffge, F. 9—61113
Stierwalt, D.L. Infrared absorption of optical blacks 9—61449
Stieve, H. *see* Noll, G. 9—100563, 9—100564
Stiewe, J. *see* Drijard, D. 9—80853, 9—89198
Stift, M.J. Periodicity of the silicon Ap star HD 116890 9—80318
Stijns, E. Some nomographs for Gaussian beams 9—98421
Stika, K.M. *see* Cambell, N.A. 9—66466
Stilbs, P., Moseley, M.E. The applicability of Woessner's equations for the analysis of ^{13}C spin-lattice relaxation data 9—95664
Stiles, G.S. *see* Crooker, N.U. 9—66876
Stiles, P.J. Dipolar Van der Waals forces between molecules of ellipsoidal shape 9—89729
Stiles, P.J. Transport in quasi-two-dimensional space charge layers 9—95508
Stilke, G. *see* Kloppel, M. 9—66748
Still, G.J. Integrated approach to vacuum systems 9—67320
Stiller, H., Franch, S. On the geophysical importance of the work of A. Einstein in solid-state theory 9—86848
Stiller, H., Franck, S. On the change of seismic velocities at pressure- and temperature-induced phase transitions 9—62447
Stiller, H. *see* Eder, O.J. 9—77490
Stiller, H. *see* Kunsch, B. 9—63215

Stillinger, F.H. High temperature expansion for the Gaussian core model 9—65172
Stillinger, F.H. Duality relations for the Gaussian core model 9—93070
Stillinger, F.H. Dynamics and ensemble averages for the polarization models of molecular interactions 9—99043
Stillinger, F.H., Weber, T.A. Amorphous state studies with the Gaussian core model 9—73101
Stillinger, F.H. *see* Geiger, A. 9—69001
Stillman, A.E., Zientara, G.P., Freed, J.H. The variational method and the stochastic-Liouville equation. II. ESR spectral simulation via finite elements 9—85157
Stillman, G.E. *see* Feng, M. 9—52130, 9—69872, 9—87005
Stillman, G.E. *see* Holonyak, N., Jr. 9—65538
Stillman, G.E. *see* Milano, R.A. 9—67380
Stillman, L. *see* Rueger, L.J. 9—55099
Stillman, M.J. *see* Gannon, K.O. 9—82957
Stillman, M.J. *see* Hollebone, B.R. 9—73964
Stillman, R.D. *see* Mousehegian, G. 9—70553
Stillwagon, G.B., Morgan, K.Z. Letter to the editors [α particle tracks] 9—76310
Stimac, T., Pasagic, R. The refraction influence of the Adriatic on active sonar detection range 9—57945
Stimmer, H.Von *see* Von Stimmer, H.
Stinchcomb, T.G. *see* Borak, T.B. 9—79654
Stinchcomb, W.W. *see* Kriz, R.D. 9—83246
Stinchcombe, R.B. A renormalisation group treatment of the diluted spin-$^1/_2$ Heisenberg ferromagnet 9—69679
Stinchcombe, R.B. Position space treatment of diluted classical Heisenberg ferromagnet 9—87268
Stinchcombe, R.B. *see* Green, M.B. 9—73657
Stinchcombe, R.B. *see* Lage, E.J.S. 9—56551
Stinchcombe, R.B. *see* Marland, L.G. 9—63163
Stinchcombe, R.B. *see* Yeomans, J.M. 9—56547
Stine, J.R. *see* Noid, D.W. 9—86015
Stingl, M., Stelbovics, A.T. The NNπ system—an effective 3-body problem with unusual disconnectedness structure 9—75861
Stingl, M. *see* Langanke, K. 9—71826
Stinner, P. *see* Dembczynski, J. 9—72260
Stinnett, R., Phillips, P. An experimental determination of the parallel electron velocity distribution during strong turbulence 9—60196
Stinnett, R. *see* Gentle, K.W. 9—90442
Stinson, E.B. *see* Ingels, N.B., Jr. 9—62358
Stinson, G.M. *see* James, A.N. 9—93614
Stinson, G.M. *see* Kitching, P. 9—67755
Stinson, M.R., Fletcher, R., Leavens, C.R. The low-temperature lattice conductivity and phonon drag thermopower of potassium 9—60789
Stinson, M.R. *see* Fletcher, R. 9—60800
Stinson, R.H., Bartlett, M.W., Kurg, T., Sweeny, P.R., Hendricks, R.W. Experimental confirmation of calculated phases and electron density profile for wet native collagen 9—62408
Stinton, D.P. *see* Mack, J.E. 9—93805
Stinton, D.P. *see* Thiele, B.A. 9—54511
Stipcic, N., Slaus, I., Paic, G., Eman, B. A possibility of measuring neutron energy spectra with photodiodes used as recoil-particle detectors 9—97927
Stirk, F.J. A brief look at medical electronic maintenance pertaining to a modern metropolitan hospital 9—100771
Stirling, G.C. *see* Riekel, C. 9—90827
Stirling, W. *see* Eubank, H. 9—82074
Stirling, W.G. Recent neutron studies of elementary excitations in liquid ^{3}He and ^{4}He 9—65275
Stirling, W.G., Copley, J.R.D., Hilton, P.A. A high resolution study of the phonon dispersion at small wavevectors in superfluid helium-4 9—51336
Stirling, W.G., Ziebeck, K.R.A., Radhakrishna, P. The spin wave dispersion relation of disordered $Pd_{0.5}Fe_{0.5}$ 9—61090
Stirling, W.G. *see* Hilton, P.A. 9—55998
Stirling, W.G. *see* Scherm, R. 9—56011
Stirling, W.L., Kim, J., Haselton, H.H., Barber, G.C., Davis, R.C., Dagenhart, W.K., Gardner, W.L., Ponte, N.S., Tsai, C.C., Whealton, J.H., Wright, R.E. Positive-ion recovery scheme based on magnetic blocking of electrons 9—97920
Stirling, W.L., Tsai, C.C., Haselton, H.H., Schechter, D.E., Whealton, J.H., Dagenhart, W.K., Davis, R.C., Gardner, W.L., Kim, J., Menon, M.M., Ryan, P.M. Properties of an intense 40-kV neutral beam injector 9—68117
Stirling, W.L. *see* Menon, M.M. 9—76238
Stisser, P. *see* Bronzino, J.D. 9—83742
Stix, T.H. *see* Rechester, A.B. 9—67150
Stizza, S. *see* Bianconi, A. 9—87420
Stobbs, W.M., Portier, R. A projected potential image of a defect in an ordered alloy? 9—99176
Stobbs, W.M., Smith, D.J. High resolution imaging of amorphous materials 9—99039
Stobbs, W.M. *see* Chevalier, J.-P. 9—78955
Stobbs, W.M. *see* Guymont, M. 9—94960
Stobbs, W.M. *see* Southwick, P.D. 9—64965
Stober, J.C., Thompson, R. Magnetic remanence acquisition in Finnish lake sediments 9—66682
Stober, W. *see* Monig, F.J. 9—92004
Stobie, R.S., Balona, L.A. Observations of double-mode Cepheids 9—88675
Stochkov, Yu.I. *see* Charakhch'yan, A.N. 9—80131
Stock, M., Dultz, W. Raman spectroscopic studies of the crystalline phases of NaCN and KCN at pressures up to 55 kbar 9—82975
Stock, M. *see* Honing, G. 9—98247
Stock, M. *see* Pfaff, J. 9—94034
Stock, M. *see* Yersin, H. 9—61436
Stock, R. Reactions of relativistic heavy ions 9—67765
Stock, R. *see* Junghans, G. 9—75974
Stock, R. *see* Wolf, K.L. 9—63693
Stockard, J.E. *see* Stockard, J.J. 9—88079
Stockard, J.J., Stockard, J.E., Sharborough, F.W. Nonpathologic factors influencing brainstem auditory evoked potentials 9—88079
Stockbauer, R. Threshold photoelectron spectra of atmospheric molecules. I. Description of method and application to H_2, D_2, and N_2 9—54912
Stockbauer, R., Cole, B.E., Ederer, D.L., West, J.B., Parr, A.C., Dehmer, J.L. Effects of shape resonances on vibrational intensity distributions in molecular photoionization 9—98167
Stockburger, M. *see* Margulies, L. 9—59466
Stockdale, J.A.D., Warmack, R.J., Compton, R.N. Collisional ionization of atomic cesium by UF_6 and WF_6 9—68299
Stocke, J. Radio source structure and the intergalactic medium 9—62921
Stocke, J., Epps, H. An extended variable object near OX+029 9—67096
Stockel, P., May, R., Strell, I., Cejka, Z., Hoppe, W., Heumann, H., Zillig, W., Crespi, H.L., Katz, J.J., Ibel, K. Determination of intersubunit distances and subunit shape parameters in DNA-dependent RNA polymerase by neutron small-angle scattering 9—53038
Stocker, H., Kowatsch, M., Seifert, F. Technique, construction and application of SAW filters 9—50544
Stocker, H., Maruhn, J.A., Greiner, W. Three-dimensional calculations on the formation of density isomers in heavy energy heavy ion collisions 9—49578
Stocker, H. *see* Verbeck, B.H. 9—61169
Stocker, H.J., Singh, S., VanUitert, L.G., Zydzik, G.J. Efficiency and humidity dependence of WO_3-insulator electrochromic display structures 9—81540
Stocker, H.J. *see* Van Uitert, L.G. 9—49219
Stocker, W. On the deviation of small nuclear systems from saturation 9—80891
Stocker, W., Albrecht, K. A formalism for the construction of quantum friction equations 9—49069
Stockero, L.J., Hansen, C.W., Tausch, H.J. Data acquisition, processing and analysis using a computerized data system 9—89546
Stocking, B. X-rays highlight the doctor's dilemma 9—57766
Stockl, H. *see* Muller, G. 9—57876
Stockley, R.L. *see* Watson, J.M. 9—67970
Stockli, M. *see* Meyerhof, W.E. 9—89768
Stocklin, G. *see* Sahakundu, S.M. 9—76236
Stockman, H.S. *see* Thompson, I. 9—53906
Stockmann, M. *see* Winzer, G. 9—72704
Stockmayer, W.H., Burchard, W. Quasielastic light scattering by rigid macromolecules 9—64127
Stockmeyer, R. Chances for the development of a solid state storage device for methane as a fuel tank in cars 9—96414
Stockmeyer, R., Stortnik, H. Dynamics of physisorbed hydrogen on the basal plane of graphite and on charcoal 9—60641
Stockmeyer, R., Stortnik, H., Wagner, R. Dynamics of physisorbed hydrogen on charcoal and microcrystalline graphite 9—66341
Stocks, G.M. *see* Durham, P.J. 9—83059
Stockton, A., Wyckoff, S., Wehinger, P.A. On the distance to Markarian 205 9—97058
Stockton, W. Celebrating Einstein 9—71211
Stockwell, P.B. Automatic analysis and use of hybrid chromatographic systems to provide unique identification 9—70403
Stockwell, P.B. *see* Davis, R. 9—70406
Stockwell, R.E. *see* Burke, D.L. 9—49554
Stoddard, F.J. *see* Dunn, M.G. 9—98731
Stoddart, D.R. The Great Barrier Reef and the Great Barrier Reef Expedition 1973 9—84221
Stoddart, D.R. *see* McLean, R.F. 9—84294
Stoddart, H.A. *see* Stoddart, H.F. 9—66519
Stoddart, H.F., Stoddart, H.A. A new development in single gamma transaxial tomography. Union Carbide focused collimator scanner 9—66519
Stoddart, W.C.T. *see* Gray, W.H. 9—64503
Stodiek, W. *see* Bitter, M. 9—82098
Stodiek, W. *see* Eubank, H. 9—82074
Stodiek, W. *see* Hill, K.W. 9—68956
Stodiek, W. *see* Strachan, J.D. 9—68954
Stodolsky, L. *see* Bechteler, J. 9—75728
Stodolsky, L. *see* Harris, R.A. 9—64111
Stoebe, T.G. *see* Vora, H. 9—95808
Stoeckel, F. *see* Cachenaut, J. 9—63194
Stoeckly, B. Thermodynamic derivation of the equilibrium distribution functions of statistical mechanics 9—71175
Stoehr, A. *see* Banerjea, A. 9—69266
Stoehr, R.A. *see* Jones, R.L. 9—66206
Stoelinga, J.H.M. *see* Walukiewicz, W. 9—82983, 9—95754
Stoenner, R.W. *see* Reidinger, F. 9—95910
Stoeppler, M., Backhaus, F. Contributions to environmental research and surveillance. Design, construction and operation of a mobile trace analytical laboratory 9—70504
Stoff, J.A. *see* Pellegrino, C.R. 9—88632
Stoffel, N.G. *see* Margaritondo, G. 9—56914, 9—65977, 9—67395
Stoffelsen, K.M. *see* Werry, P.A.T.J. 9—92296
Stoffler, G. *see* Luhrmann, R. 9—83697
Stoffregen, B. Speckle intensity correlation for general scattering objects 9—89851
Stogov, Yu.I. *see* Bogdanov, P.V. 9—54656
Stohl, J., Hajdukova, M. Colour index and its relation to the magnitude distribution of meteors 9—84752
Stohr, H. *see* Guthmann, E. 9—97891
Stohr, J., Johansson, L., Lindau, I., Pianetta, P. Extended X-ray-absorption-fine-structure studies of low-Z atoms in solids and on surfaces: Studies of Si_3N_4, SiO_2, and oxygen on Si(111) 9—95876
Stohr, J. *see* Apai, G. 9—81317
Stohr, J. *see* Denley, D. 9—69903
Stohr, P.L., Noto, K., Huebener, R.P. Superconducting microbridges under irradiation with an electron beam 9—56418
Stohr-Liesen, M. *see* Fischer, T.M. 9—74711
Stohs, S. Experiences using laser levelling devices 9—98432
Stoicheff, B.P. *see* McKee, T.J. 9—59715
Stoicheff, B.P. *see* Rand, S.C. 9—73962
Stoikov, V. *see* Drazhev, M. 9—75512
Stojadinovic, N.D. Conditions for the creation of dislocations by diffusion of phosphorus into silicon 9—95039
Stojanov, C., Shirazi, Z.H., Audu, T.O.K. Contribution to the determination of chemical composition of copolymers by means of gel permeation chromatography 9—70410
Stojanovic, S.D., Setrajcic, J., Skrinjar, M. On some possible consequences of exciton-phonon interaction in molecular crystals with two sublattices 9—56131
Stojanovic, S.D. *see* Maksimovic, R. 9—56132
Stojanovski, D. *see* Ribaric, M. 9—93109
Stojic, M., Babic, B. The electrical resistivity of liquid lead 9—56180
Stojic, M., Spiric, V., Kostoski, D. Solubility and diffusion of sodium in gallium arsenide 9—55930
Stojic, M. *see* Kostoski, D. 9—55779
Stojic, M. *see* Maric, S. 9—56160
Stojic, M. *see* Spiric, V. 9—55789
Stojilkovic, S.M. *see* Nikolic, P.M. 9—55695, 9—56777
Stoka, C.P. *see* Ai, B. 9—87381
Stokely, E.M. Radionuclide cardiology using dedicated minicomputers 9—96661
Stokes, F.C. *see* Edwards, W. 9—64993
Stokes, H.T., Ailion, D.C. Zeeman-quadrupole cross relaxation between two nuclear spin species 9—65766
Stokes, H.T., Case, T.A., Ailion, D.C., Wang, C.H. NMR observations of molecular motions and Zeeman-quadrupole cross relaxation in 1,2-difluorotetrachloroethane 9—65751
Stokes, J. *see* Steinman, D.K. 9—53569
Stokes, R.H., Crandall, K.R., Stovall, J.E., Swenson, D.A. RF quadrupole beam dynamics 9—71986
Stokes, R.H. *see* Behrens, J.A. 9—81675
Stokes, R.H. *see* Blann, M. 9—54452
Stokes, V.K. On the flow regimes of downhole flow of a gas-particle mixture 9—98791
Stokoe, J.R. *see* Harding, G.A. 9—70960
Stokstad, R.G., Wieland, R.M., Satchler, G.R., Fulmer, C.B., Hensley, D.C., Raman, S., Rickertsen, L.D., Snell, A.H., Stelson, P.H. Elastic and inelastic scattering of ^{12}C by ^{12}C from $E_{c.m.}$=35-63 MeV 9—93656
Stokstad, R.G. *see* Fulmer, C.B. 9—93657
Stokstad, R.G. *see* Gomez del Campo, J. 9—67771, 9—71873
Stokstad, R.G. *see* Shapira, D. 9—76250
Stolarczyk, L.Z., Piela, L. Invariance properties of the multipole expansion with respect to the choice of the coordinate system 9—85918
Stolarski, R., Butler, D.M. Possible effects of volcanic eruptions on stratospheric minor constituent chemistry 9—84437
Stolbova, O.V., Makushenko, A.M., Klochkov, V.P., Neporent, B.S. Inversion-frequency determination for phthalimide derivatives 9—54892
Stolbova, O.V. *see* Klochov, V.P. 9—98147
Stolecki, B., Borodziuk-Kulpa, A., Wesolowska, C. The electrical properties of polycrystalline tin films evaporated onto a cooled substrate 9—65561

Stolecki, B., Warkusz, F., Borodziuk-Kupla, A., Wesolowska, C. Size effects of polycrystalline tin films 9—65560
Stoler, P. *see* Paras, N. 9—63659
Stoletov, V.M. *see* Bushmarin, O.N. 9—90215
Stoli, E., Domb, C. Shape and size of two-dimensional percolation clusters with and without correlations 9—93054
Stolin, A.M., Bostandzhiyan, S.A., Plotnikova, N.V. Conditions for occurrence hydrodynamic thermal explosion in flows of power-law fluids 9—77158
Stolin, A.M. *see* Merzhanov, A.G. 9—68664
Stolin, V.L. *see* Burgov, N.A. 9—97710
Stoll, A.P., Taylor, L.G., Steel, A.J. Helium purifiers 9—58738
Stoll, E., Domb, C., Schneider, T. Percolation clusters 9—58509
Stoll, E., Schneider, T. Soliton-like features in a two-dimensional XY model with quartic anisotropy 9—78429
Stoll, E., Schneider, T., Bishop, A.R. Evidence for breather excitations in the Sine-Gordon chain 9—63054
Stoll, E. *see* Schneider, T. 9—73366, 9—77713, 9—85102
Stoll, H., Wazenblast, G., Preuss, H. On the Hartree-Fock theory of local regions in molecules 9—97980
Stoll, M. Microprocessor control of a telescope 9—53726
Stoll, R.D., Bryan, G.M. Physical properties of sediments containing gas hydrates 9—79819
Stoll, W. Fuel cycle and quality control 9—49795
Stoller, C. *see* Anholt, R. 9—72393
Stoller, Ch. *see* Meyerhof, W.E. 9—49978, 9—89768
Stoller, Ch. *see* Suter, M. 9—52801
Stoller, H.M. *see* Reece, E.W. 9—53584
Stollery, J.L. *see* Richards, B.E. 9—94648
Stolov, A.L. *see* Davydova, M.P. 9—69475
Stolov, A.L. *see* Gil'fanov, F.Z. 9—99943
Stolov, A.L. *see* Vinokurov, A.V. 9—69868
Stolov, H.L. *see* Shapiro, R. 9—88420
Stolove, R. *see* Cracco, J.B. 9—79498
Stolovitskii, Yu.M. *see* Gudkov, N.D. 9—79447
Stolovitskii, Yu.M. *see* Shkuropatov, A.Ya. 9—53043
Stolpakova, T.M. *see* Sinyakov, E.V. 9—56748
Stolpner, E.A. *see* Slavin, G.A. 9—87625
Stolpovskiy, V.G. *see* Yemel'yanenko, S.N. 9—62678
Stolpovsky, A.A. *see* Dubnishchev, Yu.N. 9—77305
Stolt, L. *see* de Sousa Pires, J. 9—99619
Stolte, S. *see* Thuis, H. 9—72376
Stoltz, J.F. *see* Vera, J.C. 9—62312
Stoltzmann, D.E. Application of Ronchi interferometry to testing large aperture flat mirrors 9—85171
Stolwijk, J.A.J. *see* Cunningham, D.J. 9—88055
Stolyarenko, A.V. *see* Lisitsa, M.P. 9—94272
Stolyarevskii, A.Ya. *see* Legasev, V.A. 9—97886
Stolyarov, A.A. Mechanism of energy separation in a gas ejector 9—68774
Stolyarov, A.A. Peculiarities of the interaction of adiabatic jets with inclined barriers 9—94694
Stolyarov, A.A. *see* Buchinskii, Ya.V. 9—97415
Stolyarov, G.M. New reduction of the Kazan heliometric series of observation of the Moon 9—92688
Stolyarov, O.I. *see* Rylkov, V.V. 9—99016
Stolyarov, S.I., Usenko, A.D., Spektor, S.A. Application of multiprobe measuring head in equipment for measurement of resistivity in semiconductor materials 9—49253
Stolyarov, V.M. *see* Yurolkov, Yu.A. 9—73566
Stolyarova, T.A. *see* Fleisher, L.L. 9—71451
Stolyarova, V.L., Ambrok, A.G., Nikolaev, E.N., Semenov, G.A. Determination of evaporation coefficient of melts in the B_2O_3-GeO_2 system using mass spectroscopy 9—65180
Stolz, C. *see* Ramelot, D. 9—68885
Stolz, H. Electron microscopy with an electrostatic decelerator. II 9—49346
Stolz, H., Zimmermann, R. Correlated pairs and a mass action law in two-component Fermi systems. Excitons in an electron-hole plasma 9—90969
Stolz, H. *see* Kleinefeld, Th. 9—78751
Stolz, J. A universal equation for the calculation of discharge coefficients of orifice plates 9—68890
Stolzenberg, S.J. *see* Edmonds, P.D. 9—96610
Stolzenberg, T. *see* Strand, J. 9—57552
Stolzmann, W. *see* Kraeft, W.D. 9—85108
Stommel, H. *see* Schott, F. 9—66702
Ston, M. *see* Kawski, A. 9—83030
Stone, A.J. *see* Price, S.L. 9—85904
Stone, A.J. *see* Tough, R.J.A. 9—72372
Stone, A.L. *see* Hodge, J.K. 9—77156
Stone, E.C., Wiedenbeck, M.E. A secondary tracer approach to the derivation of galactic cosmic-ray source isotropic abundances 9—96864
Stone, E.C. *see* Mewaldt, R.A. 9—92741, 9—96867
Stone, E.L. *see* Hilal, M.A. 9—50897
Stone, E.L. *see* Van Sciver, S.W. 9—58711
Stone, F.T. Effects of different mode filters on optical-fiber measurements 9—50439
Stone, F.T., Krawarik, P.H. Mode elimination in fiber loss measurements 9—50375
Stone, H.E.N. Comments on electromechanical polishing 9—61824
Stone, H.E.N. The incidence of compound and superlattice formation in group VIII and nearly related elements 9—94955
Stone, J., Burrus, C.A. Self-contained LED-pumped single-crystal Nd:YAG fiber laser 9—59711
Stone, J., Goodman, M.F. A re-examination of the use of rate equations to account for fluence dependence, intramolecular relaxation, and unimolecular decay in laser driven polyatomic molecules 9—87862
Stone, J. *see* Morgan, T.J. 9—89776
Stone, J. *see* Stephenson, J.C. 9—68257
Stone, J.R. *see* Langley, K.H. 9—66365
Stone, M. Lattice formulation of the CP^{n-1} nonlinear σ models 9—58870
Stone, M.L. *see* Hamlet, S.L. 9—74692
Stone, N.J. *see* Allsop, A.L. 9—95695
Stone, N.J. *see* Bowden, G.J. 9—95694
Stone, N.J. *see* Suzuki, H. 9—61070
Stone, P.P. Estimation of unknown autocorrelation coefficients 9—49021
Stone, R.C. Kinematics, close binary evolution, and ages of the O stars 9—101145
Stone, R.P.S. Spectro- and UBV photometry of the anomalous planetary nebula FG Sagittae, 1968-77 9—88687
Stone, R.P.S. *see* Margon, B. 9—62839
Stone, R.T. A microprocessor-based reactimeter 9—72221
Stone, T. *see* Agostinelli, J. 9—89940
Stone, W.A. *see* Hays, W.P. 9—55352
Stone, W.E.E. *see* Sanz, J. 9—82183
Stoneham, A.M. Phonon coupling and photoionisation cross-sections in semiconductors 9—51518
Stoneham, A.M. The motion of muons in solids 9—56681
Stoneham, A.M. The motions of iron particles on graphite 9—90850
Stoneham, A.M., Wade, E., Kilner, J.A. A model for the fast ionic diffusion in alumina-doped LiI 9—77811
Stoneham, A.M. *see* Catlow, C.R.A. 9—100277
Stoneham, A.M. *see* Flores, F. 9—95364
Stoner, W.W. Optical data processing with the OTF 9—76625
Stonik, O.G. *see* Pilipetskii, N.F. 9—86207
Stooksberry, R. *see* Eubank, H. 9—82074
Stooksberry, R. *see* Strachan, J.D. 9—68954
Stooksberry, R.W., Rossmassler, J.E., Katz, M. The development and operation of computerized neutral beamline systems 9—93849
Stopa, M.P. *see* Raymond, J.C. 9—66981
Stopachinskii, V.B. *see* Kavetskaya, I.V. 9—99488
Stoper, A.E., Mansfield, J.G. Metacontrast and paracontrast suppression of a contourless area 9—53150
Stoquert, J.P., Bendjaballah, N., Beaumevieille, H., Gerardin, C., Seltz, R. ^{11}B excited states from $^{4}He+^{7}Li$ scattering 9—93637
Storakers, B. An explicit method to determine response coefficients in finite elasticity 9—68580
Storakers, B. *see* Larsson, B. 9—61687
Storbeck, I. *see* Bruckner, W. 9—99587
Storchak, S.N. *see* D'yakonov, V.Yu. 9—93390
Storck, A. *see* Hutin, D. 9—94713, 9—94714
Storelli, V., Troise, G. National (Italian) solar energy programme 9—57367
Storer, R.G. *see* Johnson, J.L. 9—82091
Storetvedt, K.M., Carmichael, C.M. Resolution of superimposed magnetizations in the Devonian John O'Groats Sandstone, North Scotland 9—92481
Storey, B.E. *see* Duncan, J.A. 9—61231
Storey, B.E. *see* Fitzgerald, A.G. 9—74470
Storey, C., Argarwal, R.P. Comments on 'An improved stability criterion of third-order nonlinear differential equations' [and reply] 9—94540
Storey, D. *see* Namazie, M.A. 9—93022
Storey, J.W.V. *see* Sutton, E.C. 9—67115
Storey, P.J. *see* Nussbaumer, H. 9—54792, 9—59383
Storini, M. *see* Iucci, N. 9—75059
Stork, A. Survey of the development of solar flat plate air collectors in Germany 9—62075
Stork, J.C. *see* Ober, T.G. 9—81034
Storm, D.W. A survey of synchrocyclotron projects 9—54645
Storm, D.W. *see* Diamond, W. 9—54679
Storm, G.A. *see* Perkins, J. 9—96238
Storm, H. *see* Bielek, K.-H. 9—76865
Stormer, H.L., Dingle, R., Gossard, A.C., Wiegmann, W., Sturge, M.D. Two-dimensional electron gas at a semiconductor-semiconductor interface 9—65530
Storms, E.K. The emissivity of LaB_6 at 650 nm 9—90806
Storms, E.K., Mueller, B.A. A study of surface stoichiometry and thermionic emission using LaB_6 9—87556
Storonkin, A.V., Vasilkova, I.V., Zagolovich, G.P. The diagram of the ternary system NaCl-KCl-$NiCl_2$ state 9—96014
Storozh, B.D. *see* Egorov, F.F. 9—95986
Storozhenko, V.A., Gorbunov, V.I. Basic problems of active thermal nondestructive testing 9—70282
Storozhenko, V.A., Rapoport, D.A., Denisov, S.S., Volkov, Ya.A. A thermal inspection unit for nondestructive testing of multilayer cylindrical parts 9—52606
Storozhenko, V.A., Vavilov, V.P., Shabanova, O.S. Determining the basic parameters of one-sided thermal inspection for separation in glass-fiber-reinforced plastic parts 9—79206
Storozhev, V.I. *see* Kosmodamians'kii, A.S. 9—94525
Storozhuk, I.P., Shirokova, L.B., Valetskii, P.M., Rogovina, L.Z., Nikiforova, G.G., Vinogradova, S.V., Korshak, V.V., Slonimskii, G.L. Study of the properties of poly(arylate-arylenesulfone oxide) block-copolymers 9—55915
Storti, G. Silicon solar cells—a review of current efforts 9—74525
Stortnik, H. *see* Stockmeyer, R. 9—60641, 9—66341
Storvick, T.S. *see* Loyalka, S.K. 9—77057, 9—86466
Story, H.S. *see* Dubin, R.R. 9—61240
Storz, R.H. *see* Bjorklund, G.C. 9—55180
Stothers, R. Influence of a magnetic field on the pulsational stability of stars 9—53800
Stothers, R. Solar activity cycle during classical antiquity 9—92736
Stotskii, F.I. *see* Uglov, A.A. 9—64485
Stotskii, G.I., Ivanov, R.S., Korolev, N.M., Malikov, M.M. Rate of interaction of cesium and CO_2 in a gaseous mixture in a rapidly circulating laser 9—86173
Stott, J.R.R. *see* Cyron, B.M. 9—100645
Stott, P.E. *see* McCracken, G.M. 9—73017
Stott, W.R., Waddington, J.C. Double K-shell vacancies produced in near-symmetric collisions with Z~53 9—72268
Stott, W.R. *see* Shahabuddin, M.A.M. 9—54427
Stottlemyer, A.R. *see* Shupe, M.A. 9—63485
Stottlemyre, J.A. *see* Burkholder, H.C. 9—49714
Stotts, L.B., Hyde, M.E., Beaghler, G.W., Chappel, M.G., Jr. Scattered radiation from a gradient particulate atmosphere in the presence of a totally absorbing Earth 9—62576
Stouder, G. Towards an optimum yield of solar energy 9—96448
Stouffer, D.C., Bodner, S.R. A constitutive model for the deformation induced anisotropic plastic flow of metals 9—59930
Stouffer, D.C., Williams, J.F. A model for fatigue crack growth with a variable stress intensity factor 9—68653
Stouffer, D.C. *see* Laflen, J.H. 9—61684, 9—61685
Stouffer, D.C. *see* Williams, J.F. 9—70146
Stouky, R.J. Factors affecting power reactor decommissioning costs for complete removal 9—67904
Stout, C.D. Structure of the iron-sulphur clusters in Azotobacter ferredoxin at 4.0 Å resolution 9—57575
Stout, F.H. *see* Turner, R.C. 9—82870
Stout, J.W., Boo, W.O.J. Crystalline vanadium (II) fluoride, VF_2. Preparation, structure, heat capacity from 5 to 300K and magnetic ordering 9—86746
Stout, J.W. *see* Boo, W.O.J. 9—87264
Stout, J.W. *see* McWilliams, K.D. 9—54483
Stout, M. *see* Wardlaw, N. 9—62485
Stout, R.L. *see* Wessel, H.U. 9—62393
Stovall, J.E. Initial performance of the PIGMI prototype 9—72007
Stovall, J.E. *see* Stokes, R.H. 9—71986
Stover, C.N. *see* Langrana, N.A. 9—96606
Stover, D. *see* Amian, W. 9—67871
Stover, F.S. *see* Mathis, D.E. 9—83535
Stowe, K. *see* Kane, G.L. 9—67545
Stowell, H. Single-epoch somatosensory evoked potentials at vertex: a time window specified for electro-ocular monitoring 9—96535
Stoy, S. *see* Brindza, P. 9—68085
Stoyanov, A.K. *see* Gorbunov, V.I. 9—66243
Stoyanov, Ch. *see* Ponomarev, V.Yu. 9—75947
Stoyanov, Ch. *see* Vdovin, A.I. 9—75895
Stoyanova, V. *see* Nenow, D. 9—60297
Stoychev, D.S., Tomov, I., Vitanova, I., Rashkov, St. Determination of the size of the crystallites that form bright galvanic copper coatings 9—66221
Stoychev, D.S., Vitanova, I., Rashkov, St., Vitanov, T. Adsorption of substances acting as brighteners in the electrolytic deposition of copper 9—66220
Stoytchev, J. On the determination of deformations due to material creep 9—61681
Stozharov, V.M. *see* Bronshteyn, I.M. 9—91545
Stozhkov, Yu.I. *see* Charakhch'yan, A.N. 9—84601
Stozhkov, Yu.I. *see* Gelenkov, A.E. 9—80134
Straalsund, J.L. *see* Chin, B.A. 9—87648
Straat, H.W. Hartmann index interpolation with exponent: a TI-59 program 9—98451

Strabo, F. *see* Esbensen, T.V. 9−57411
Straboni, A. *see* Rosencher, E. 9−52400
Strach, S.J. *see* Boate, A.R. 9−85977
Strach, S.J. *see* Morton, J.R. 9−65728
Strachan, J. *see* Eubank, H. 9−82074
Strachan, J.D., Colestock, P., Eubank, H., Grisham, L., Hovey, J., Schilling, G., Stewart, L., Stodiek, W., Stooksberry, R., Young, K.M. Measurement of the neutron spectra from beam-heated PLT plasmas 9−68954
Strachan, J.D. *see* Colestock, P. 9−98955
Strachan, S.J. A review of deposition and other processes affecting the consequences of unplanned atmospheric releases from nuclear installations 9−57530
Strachan, S.J., Goddard, A.J.H. Calculation of the depletion of a radioactive plume in the atmosphere and subsequent exposure due to deposited activity 9−66561
Strack, O.D.L., Asgian, M.I. A new function for use in the hodograph method 9−84323
Strackee, J. *see* Nagelkerke, N.J.D. 9−88045
Strackee, L. *see* Onderdelinden, D. 9−79439
Stradling, R.A. Quantum transport in semiconductors 9−73528
Stradling, R.A. *see* Nicholas, R.J. 9−65500, 9−65853, 9−91154, 9−95421
Stradling, R.A. *see* Ramage, J.C. 9−82985
Stradling, R.N. *see* Allebach, J.P. 9−94161
Stradner, H. *see* Fidecaro, G. 9−85343
Stradomskii, M.V., Maksimov, E.A., Tyukavkin, G.G., Fedorova, O.V. A numerical method for determining the boundary conditions of the second kind from the boundary conditions of the first kind in studies of heat exchange in internal combustion engines 9−68554
Stradowski, C., Kroh, J. Some aspects of electron tunnelling in radiation chemistry of glassy matrices 9−91980
Stradowski, Cz. *see* Kroh, J. 9−66317
Strafella, F. *see* Cosmovici, C.B. 9−84803
Strafford, K.N. A comparison of the high temperature nitridation and oxidation behaviour of metals 9−74288
Strahl, J.F., Cramer, E.N. Relative time-integrated spent-fuel storage hazard 9−59203
Strahle, J. *see* Hanack, M. 9−90940
Strahs, K.R. *see* Berns, M.W. 9−66599
Strain, R.V. *see* Fryer, R.M. 9−67919
Strait, J. *see* Abrams, G.S. 9−89149, 9−89174
Strait, J. *see* Claudson, M. 9−49448
Strait, J. *see* Entenberg, A. 9−54333
Strait, J. *see* Sulak, L. 9−59317
Strakhov, V.N. A new stage in the development of the interpretation theory of gravity and magnetic anomalies 9−84509
Strakhov, V.N., Nepedova, N.Yu. Determining the integral characteristics of iron ore deposits from magnetic anomalies 9−62621
Strakhov, V.N., Shaposhnikova, N.Yu. A realizeable accuracy of determining the overall characteristics of iron-ore deposits in terms of gravitational and magnetic anomalies 9−84536
Strakhova, S.I. *see* Balashov, V.V. 9−72425
Strakhovenko, V.M. *see* Baier, V.N. 9−85843
Strakun, G.I., Mumzhiu, A.M., Mitsevich, I.A. Automatic dioptometer with a projection readout system 9−50455
Straley, D.K. *see* May, B.T. 9−92501
Straley, J.P. Phase transitions in treelike percolation 9−75473
Straley, J.P. Analytic properties of the specific macroscopic conductivity of a composite medium 9−82569
Straley, J.P. *see* Kogut, P.M. 9−82570
Strand, E.M. *see* Mantle, J.A. 9−70684
Strand, J., Stolzenberg, T., Andren, A.W. A constant relative-humidity-temperature chamber for the accurate weight determination of air particulate matter collected on filters 9−57552
Strand, M.P., Reinhardt, W.P. Semiclassical quantization of the low lying electronic states of H_2^+ 9−68183
Strand, R.C. *see* McCal, D. 9−89154
Strand, R.C. *see* Reece, C. 9−89196
Strand, T.C., Turner, A.F. Hybrid optical-electronic processing applied to chest radiographs 9−74754
Strand, T.C. *see* Armand, A. 9−76868
Strand, T.G. *see* Demidov, A.V. 9−81293
Strandberg, M. *see* Andersson, L. 9−49267
Strandberg, M. *see* Anfalt, T. 9−52793
Strandberg, M.W.P. Impulse response function for a scalar wave source in a compliant baffle 9−50481
Strandberg, M.W.P. Ballistic-phonon-pulse transmission through the interface between solid sapphire-liquid He II at T=0.25K 9−95229
Stranden, E. Radioactivity of building materials and the gamma radiation in dwellings 9−92095
Stranden, E. The influence of variations in the ventilation rate in rooms upon the respiratory dose from inhalation of radon daughters 9−92381
Stranden, E., Berteig, L., Ugletveit, F. A study on radon in dwellings 9−70485
Strang, G. *see* Nickell, R.E. 9−49053
Strang, R., Horton, P.W., Gillespie, F.C. Theoretical basis of the measurement of choroidal blood flow using a radioactive inert gas clearance technique 9−92349
Strange, J.H. *see* Chezeau, J.M. 9−82373
Strange, J.H. *see* Figueroa, D.R. 9−61250
Strange, P.C., Bryant, A.H. The role of aggregate in the fracture of concrete 9−79076
Strange, W.E. *see* Carter, W.E. 9−79721
Strangio, C. *see* Ascoli-Bartoli, U. 9−60170
Strangway, D.W. The Moon, glaciers and permafrost 9−62768
Strangway, D.W. *see* Koziar, A. 9−57882, 9−58102
Strashinsky, A.G., Khomyakov, G.K., Klyucharev, A.P. The X-ray fluorescent method for element analysis of substances by means of accelerated ions 9−61933
Strashkevich, A.M., Trotsyuk, N.I. Slab method is neutral-particle optics 9−76566
Strashnikova, M.I. Effect of spatial dispersion on optical properties of crystals 9−61404
Strass, I.F. *see* Vorren, T.O. 9−84228
Strassburg, W. Advance payments on the cost of the Federal repository for radioactive waste 9−71903
Strassburger, J., Smith, I.T. Spectral subtraction using Fourier transform infrared spectroscopy−fact or artifact 9−83525
Strasser, A., Heckermann, H. The effect of fabrication variables on fuel performance in LWRs 9−63798
Strassler, S. *see* Pietronero, L. 9−55929, 9−60746, 9−95411
Strassler, S. *see* Van Gelder, A.P. 9−56441
Strassner, G., Truol, P., Alder, J.C., Gabioud, B., Joseph, C., Loude, J.F., Morel, N., Perrenoud, A., Perroud, J.P., Tran, M.T., Winkelmann, E., Dahme, W., Panke, H., Renker, D., Medicus, H.A. Excitation of E1 and M2 resonances via (π^-,γ) reactions on $^{16,18}O$ 9−89280
Strassner, G. *see* Alder, J.-C. 9−85381
Strassner, G. *see* Gabioud, B. 9−67600
Strate, G.V. *see* Cozewith, C. 9−79246
Straten, A.J.Van *see* Van Straten, A.J.
Strathdee, S., Browning, R. Dissociative photoionisation of H_2: proton kinetic energy spectra 9−68273
Strathy, I.K.M. *see* Dale, R.M. 9−64207
Stratieva, N.R. *see* Konstantinova, E.M. 9−65469
Stratigos, J.A. *see* Schuchardt, J.M. 9−80061
Stratonovich, R.L. Derivation of irreversibility of thermodynamic processes from microscopic reversibility 9−71393
Stratskevich, L.K. *see* Gruzinskii, V.V. 9−54891
Stratt, R.M. Semiclassical statistical mechanics of fluids: nonperturbative incorporation of quantum effects in classical many body models 9−64819
Strattan, L.W., Eibling, R.E., Kaufman, M. Rate constant of the reaction between chlorine atoms and sulfur dioxide and its significance for stratospheric chlorine chemistry 9−84353
Stratton, T.G. *see* Sonder, E. 9−70399
Straub, G.K., Holian, B.L., Petschek, R.G. Molecular dynamics of shock waves in one-dimensional chains. II. Thermalization 9−73253
Straube, E. *see* Thomas, F. 9−69183
Strauch, D., Schroder, U., Bauernfeind, W. Lattice dynamics of alkali cyanide crystals 9−77705
Strauch, K. *see* Chestnut, R. 9−89531
Strauch, S. Alternative reactor fuel cycles under consideration and their design ramifications 9−54516
Strauchler, I.D. *see* Alexander, H. 9−92434
Straughan, B. *see* Lindsay, K.A. 9−75346, 9−95246
Straughan, B.P. *see* Gardiner, D.J. 9−50018, 9−78673
Straumann, N. *see* Schweizer, M. 9−75434
Straume, O., Lovhoiden, G., Burke, D.G., Flynn, E.R., Sunier, J.W. Single-proton states in ^{151}Pm 9−67626
Straume, O. *see* Rekstad, J. 9−58999
Straus, J., Few, I.S., Conradi, J. Measurement of frequency dependence of Rayleigh backscattering in bidirectional optical systems 9−64317
Straus, J.M., Christopher, L.A. Dynamical effects on the global distribution of thermospheric atomic oxygen 9−74996
Straus, J.M., Schubert, G. Three-dimensional convection in a cubic box of fluid-saturated porous material 9−55373
Straus, J.M. *see* Chiu, Y.T. 9−96855
Straus, J.M. *see* Del Genio, A.D. 9−74933
Straus, J.M. *see* Schubert, G. 9−79879, 9−94615
Strauss, B.P., Powers, R.J., Biallas, G.H. How to mass produce reliable cryostats for large particle accelerators 9−68045
Strauss, F.M. A technique for brightness measurements of cometary nuclei 9−84745
Strauss, F.M., Braz, M.A., Ducati, J.R. Balmer line photometry of the 30 Doradus nebula 9−62888
Strauss, G. Measurement of liquid flow−different principles 9−86533
Strauss, H.L., Weiss, S. Collision-induced line shapes calculated with a hard sphere model 9−81182
Strauss, H.L. *see* Alder, B.J. 9−64823
Strauss, H.R. Finite beta trapped electron fluid mode 9−68914
Strauss, H.R., Hazeltine, R.D., Mahajan, S.M., Ross, D.W. Twisting modes 9−60135
Strauss, J. *see* Chilingarov, A. 9−54365, 9−54368
Strauss, K. *see* Bewersdorff, H.W. 9−77251
Strauss, K. *see* Perera, M.G.N. 9−60021
Strauss, K.H. On measuring discharge in partly-filled pipes 9−68857
Strauss, M.G., Sherman, I.S. Merit of Ge and Na(Tl) detectors as determined by imaging efficiency and scatter rejection 9−83915
Strauss, W.A. *see* Glassey, R.T. 9−49066, 9−67459
Strausser, Y.E. *see* Johannessen, J.S. 9−52055
Strausz, O.P., Gosavi, R.K., Demare, G.R., Csizmadia, I.G. Relaxation in torsional motion of triplet oxirane 9−49959
Strautman, W.D. *see* Robinson, S.R. 9−53527
Straw, D.C., Clark, M.C. Electron beams generated in foilless diodes 9−76170
Strawderman, W.A., Sung-Hwan Ko, Nuttall, A.H. The real roots of the fluid-loaded plate 9−94398
Strayer, D. *see* Papini, G. 9−85052
Strazhev, V.I. *see* Kresin, Yu.V. 9−71673
Strazielle, C., Coles, H.J. Depolarized light scattering studies of the nematogen pentyl cyanobiphenyl 9−95790
Strazielle, C. *see* Coles, H.J. 9−60487
Strazielle, C. *see* Millaud, B. 9−77507
Strazzeri, A. On the general form of the double and triple angular correlation following the sequential decay of the heavy reaction products 9−93645
Streater, R.F. *see* Basarab-Horwarth, P. 9−93302
Streb, G. *see* Heinrich, J. 9−100092
Strebel, D.E. Analog computer laboratory with biological examples 9−84890
Strebkov, D.S. *see* Bazarov, B.A. 9−62002
Streclas, A.A. *see* Jannussis, A.D. 9−67180
Streda, P., Smrcka, L. Oscillations of the relaxation time in strong magnetic fields 9−60855
Streda, P. *see* Smrcka, L. 9−58698
Streed, E.R., Hill, J.E., Thomas, W.C., Dawson, A.G., III, Wood, B.D. Results and analysis of a round robin test program for liquid-heating flat-plate solar collectors 9−74541
Street, G.B. *see* Dee, R.H. 9−56375
Street, G.B. *see* Kwak, J.F. 9−87121
Street, G.B. *see* Macklin, J.W. 9−56781
Street, R., Lacroix, A. An empirical study of New England seismicity. 1727-1977 9−92492
Street, R.A., Biegelsen, D.K. Defect states in Ge chalcogenides observed by photoluminescence and ESR 9−61418
Street, R.A., Lucovsky, G. Ionicity effects on defects in chalcogenide alloys 9−87063
Street, R.A. *see* Tsang, C. 9−73989
Street, R.L. Turbulent heat and mass transfers across a rough, air-water interface: a simple theory 9−68551
Streeter, L.A., Nigro, G.N. The role of medial consonant transitions in word perception 9−81651
Streeter, S.S., Shackleton, N.J. Paleocirculation of the deep North Atlantic. 150000-year record of benthic foraminfera and oxygen-18 9−92548
Streetman, B.F. *see* Tsai, M.Y. 9−69152
Streetman, B.G. *see* Day, D.S. 9−99501
Streetman, B.G. *see* Feng, M. 9−69872
Streetman, B.G. *see* Tsai, M.Y. 9−55762, 9−55763, 9−70374
Streetman, B.G. *see* Wolford, D.J. 9−95840
Streett, W.B., Calado, J.C.G. Liquid-vapour equilibrium for hydrogen+nitrogen at temperatures from 63 to 110K and pressures to 57 MPa 9−55881
Streett, W.B. *see* Murad, S. 9−50976
Streett, W.B. *see* Nicolas, J.J. 9−73083
Streever, R.L. Individual Co site contributions to the magnetic anisotropy of RCo_5 compounds and related structures 9−78366
Strehlow, R. *see* Fischbeck, H.J. 9−99486
Streifer, W. *see* Scifres, D.R. 9−50307
Streit, G.E., Wells, J.S., Fehsenfeld, F.C., Howard, C.J. A tunable diode laser study of the reactions of nitric and nitrous acids: HNO_3+NO and HNO_2+O_3 9−70310
Streit, G.E. *see* Davidson, J.A. 9−53494
Streit, K.-P. *see* Bourquin, M. 9−71768
Streit, L., Frohlich, J., Zankel, H., Zingl, H. The Coulomb contribution to proton-proton scattering phase shifts 9−67589
Streit, P. *see* Everett, G.E. 9−99698
Streitmatter, R.E. *see* Goodman, J.A. 9−62697, 9−66897, 9−75065
Streitmatter, R.E. *see* Macfall, J.R. 9−49549, 9−62698
Streitwieser, A., Jr. *see* Liberles, A. 9−89612
Strekalov, P.V., San'ko, V.A., Sokolov, N.A., Kudryavtsev, P.N. Establishment and maintenance of constant sulfur dioxide concentration in simulation of industrial atmosphere in chambers for accelerated corrosion testing 9−52512

Strelcyn, J.M. *see* Benettin, G. 9—54056
Strelets, M.Kh. *see* Ivanov, A.A. 9—55429
Streletskii, V.V. *see* Teterin, P.K. 9—52231
Strelkov, D.F. *see* Babaev, N.C. 9—93759
Strell, I. *see* Stockel, P. 9—53038
Strel'nikov, V.N. *see* Lukoshkov, S.V. 9—88942
Strel'nikov, V.P., Telepnev, V.D. Small helium condensation pump to pump off a supersonic gas jet 9—93155
Strel'nikova, I.A. *see* Lebedev, A.I. 9—90998
Strel'nitskii, V.E., Aksenov, I.I., Vakula, S.I., Padalka, V.G., Belous, V.A. Properties of diamond-like carbon coating produced by plasma condensation 9—90924
Strel'nitskii, V.E. *see* Matyushenko, N.N. 9—99114
Strel'tsov, A.P. *see* Adamovich, V.A. 9—64253
Strel'tsov, V.A. *see* Akimov, G.Ya. 9—96102
Strelyaev, V.I. *see* Elmanov, I.M. 9—66234
Streng, K.H. *see* Branco, G.C. 9—85267
Strenzwilk, A.P. *see* Irving, B.R. 9—86231
Streten, N.A. *see* Webster, P.J. 9—84470
Stretton, A.O.W., Donmoyer, J.E., Walrond, J.P., Moses, J.E.R., Kass, I.S., Fishpool, R.M., Southgate, E. Structure and physiological activity of the motoneurons of the nematode Ascaris 9—92208
Streubel, M. *see* Ashtekar, A. 9—88851
Strezh, P.E. Wave coupling in an anisotropic medium 9—55514
Strezhekurov, E.E. *see* Kuprin, A.I. 9—70240
Strezov, A.S., Mihajlov, M.H. Sorption of metal complexes on cation exchange resins. Effect of temperature on the cation exchange equilibrium in the system Zn^{2+}-Cl^--$HClO_4$-Dowex 50 W×8 9—87004
Stribis, A.P. *see* Marchyulionis, D.-V.A. 9—52501
Strickert, R., Friedman, A.M., Fried, S. The sorption of technetium and iodine radioisotopes by various minerals 9—49721
Strickland, L.D. An update on the DOE program for in situ gasification of Eastern Coals 9—87950
Strickman, M.S., Johnson, W.N., Kurfess, J.D. The hard X-ray spectrum of the Crab Nebula 9—62891
Strickmann, G. *see* Ploumen, P. 9—81014
Stridsberg, B. *see* Langstrom, B. 9—88186
Strieder, W. *see* Fun Gau Ho 9—90325
Strieder, W. *see* Joy, T. 9—56178
Striffler, C.D., Meger, R.A., Grossman, J., Pappas, E., Reiser, M., Rhee, M.J., Wang, T.F. Electron ring accelerator research at the University of Maryland 9—72020
Strigalev, V.E., Udoev, Yu.P. Diffraction efficiency of a total-internal-reflection hologram grating 9—64347
Striganov, A.R. *see* Odintzova, G.A. 9—59386
Strigun, V.L. *see* Aristov, A.V. 9—73898
Strijbos, S., Broese van Groenou, A., Vermeer, P.A. Recent progress in understanding die compaction of powders 9—61528
Strikha, V.I. *see* Berdnichenko, P.E. 9—73578
Strikman, M.I. *see* Frankfurt, L.L. 9—63670
Strimpel, O., Binney, J. Precicting the X-ray brightness distributions of cluster sources. II. The Coma cluster 9—92896
Strinadko, L.V., Tarnovetskii, V.V., Strinadko, M.T., Andreev, Yu.S., Polyanskii, V.K. A method of determining the parameters of phase optical relief recorded in a photographic layer 9—98518
Strinadko, M.T. *see* Strinadko, L.V. 9—98518
Strinati, G. *see* Greene, C. 9—68177
Stringari, S. Velocity fields and transition densities in nuclear collective modes 9—89255
Stringari, S. *see* Lipparini, E. 9—67652
Stringer, J. *see* Allam, I.M. 9—83379
Stringer, T., Pozzoli, R., Sindoni, E., Carnihan, J.P., Leotta, G.G. *(editor)* Plasma Transport, Heating, and MHD Theory 9—98869
Stringer, T. *see* Coppi, B. *(editor)* 9—98963
Stringer, T.E. Theory of anomalous transport due to electrostatic fluctuations 9—98870
Stringer, T.E. Neoclassical transport of impurities 9—98873
Stringfellow, B. *see* Becker, H. 9—54363, 9—63533
Stringfellow, G.B. VPE growth of III/V semiconductors 9—66011
Stringfellow, G.B. Electron mobility in $Al_xGa_{1-x}As$ 9—91165
Stringfellow, G.B., Hall, H.T., Jr. Organometallic VPE growth of $Al_xGa_{1-x}As$ 9—78899
Stringfellow, G.B., Hom, G. Increase in luminescence efficiency of $Al_xGa_{1-x}As$ grown by organometallic VPE 9—78892
Stringham, R.S. *see* Toy, M.S. 9—51863
Strini, A.M., Strini, G., Tagliaferri, G. Comparison between electromagnetic effects induced by vacuum polarisation and the gravitational interaction 9—97544
Strini, A.M.G., Strini, G., Tagliaferri, G. Testability of nonlinear electrodynamics 9—71675
Strini, A.M.Grassi *see* Grassi Strini, A.M.
Strini, G. *see* Grassi Strini, A.M. 9—85053
Strini, G. *see* Strini, A.M. 9—97544
Strini, G. *see* Strini, A.M.G. 9—71675
Strittmatter, P.A. *see* Humphreys, R.A.M. 9—67007
Strittmatter, P.A. *see* Thompson, R.I. 9—58321
Stritzke, P. *see* Meyer, I. 9—55531
Stritzker, B. Superconductivity in irradiated palladium 9—78249
Stritzker, B., Luo, H.L. Superconductivity in Pd-Si-H(D) alloys 9—56347
Strizhak, V.I. *see* Meng, V.V. 9—83282
Strizhalo, V.A., Kucher, N.K. Describing cyclic-creep processes with a parametric equation 9—57074
Strizhalo, V.A. *see* Zasimchuk, E.E. 9—66129
Strizhalo, V.A. *see* Zinchenko, A.I. 9—52491
Strizhevskii, V.L. *see* Dmitriev, V.G. 9—64285
Strizhevskii, V.L. *see* Karpenko, S.G. 9—94286
Strizhevskii, V.L. *see* Kovalyuk, Z.D. 9—89970
Strmiska, F., Starek, J. The development of the sodium steam generator heat exchange doublex tube elements 9—71882
Strnad, J. On a scheme in six dimensions 9—58538
Strobel, D.F. Parameterization of the thermal relaxation rate in the stratosphere 9—79940
Strobel, D.F. *see* Schoeberl, M.R. 9—53461
Strobel, G.L. Nucleon spectral function in Li^6 9—75834
Strobel, G.L. Translationally invariant spectral function for ^6Li 9—89257
Strobel, K. *see* Goto, T. 9—60418
Strobel, W., Rybkin, E.P., Voigt, H.D. Studies of the rheological properties of a PVC suspension 9—94579
Strocchi, F. *see* Frohlich, J. 9—80775
Strocchi, F. *see* Gatto, R. 9—63407
Stroeven, P. Geometric probability approach to the examination of microcracking in plain concrete 9—57091
Strogankova, N.I. *see* Gorina, Yu.I. 9—89908
Stroganov, V.F. *see* Kaftanov, S.V. 9—80612
Stroh, K.R., Jiacoletti, R.J., Olson, H.G. Thermal-hydraulic analysis techniques for axisymmetric pebble bed reactor cores 9—71884
Stroh, K.R., Olson, H.G., Jiacoletti, R.J. Comparison of coolant flow predictions with those measured on a full-scale mockup of a pebble bed reactor core 9—54474
Strohal, P. *see* Vertacnik, A. 9—57506
Strohbehn, J.W., Yates, C.H., Curran, B.H., Sternick, E.S. Image enhancement of conventional transverse-axial tomograms 9—57758
Strohbehn, J.W. *see* Douple, E.B. 9—83893, 9—100700
Strohm, K.M., Paus, H.J. Color centers in the ionized and in the triplet state—Z_2 centers in calcium doped KCl crystals 9—91480
Strohm, K.M. *see* Paus, H.J. 9—91481
Stroik, P.J. *see* Grisham, D.L. 9—71997
Stroikovskii, A.K., Sazhin, M.V., Glushkov, A.V. Effect of scattering gamma radiation on the sensitivity of absorption thickness gauges 9—71411
Stroink, G. *see* Blaauw, C. 9—61278
Strokach, A.A. *see* Itskovskii, M.A. 9—91395
Strokach, N.S., Shigorin, D.N. Electronic-vibrational interaction between closely situated excited electronic states in polyatomic molecules 9—63980
Stroke, G.W. *see* Marko, H. 9—59651
Stroke, H.H., Proetel, D., Kluge, H.-J. Odd-even staggering in mercury isotope shifts: evidence for Coriolis effects in particle-core coupling 9—49580
Strokovskii, G.A., Fradkin, E.E. Determination of the relaxation constants of the $3s_2$-$2p_4$ neon transition from the cross saturation of traveling waves in a gas ring laser 9—76374
Strokovskii, G.A. *see* Mironov, A.V. 9—76721
Strolin, P. *see* Chilingarov, A. 9—54365, 9—54368
Strolin, P. *see* Erhan, S. 9—49550
Strom, K.M. *see* Adams, M.T. 9—71026
Strom, K.M. *see* Peterson, B.M. 9—75269
Strom, K.M. *see* Strom, S.E. 9—92867, 9—97073
Strom, R.G., Terrile, R.J., Masursky, H., Hansen, C. Volcanic eruption plumes on Io 9—92698
Strom, R.G. *see* Carr, M.H. 9—92697
Strom, S. *see* Krokstad, A. 9—68486
Strom, S.E., Strom, K.M. The evolution of disk galaxies 9—92867
Strom, S.E., Strom, K.M. Surface brightness distributions of elliptical galaxies in the cD clusters A401 and A2670 9—97073
Strom, S.E. *see* Adams, M.T. 9—71026
Strom, S.E. *see* Peterson, B.M. 9—75269
Strom, S.S., Chapman, J.N., Muehlhauser, J.W., Lanier, J.H. Controlling NO_x from a coal-fired MHD process 9—52947
Strom, U., Martin, T.P. Photo-induced changes in the infrared vibrational spectrum of evaporated As_2S_3 9—52033
Strom, U. *see* Bishop, S.G. 9—65918
Strom-Olsen, J.O., Wilford, D.F., Burke, S.K., Rainford, B.D. The coexistence of spin density wave ordering and spin glass ordering in chromium alloys containing iron 9—61059
Strom-Olsen, J.O. *see* Cochrane, R.W. 9—69680
Strom-Olsen, J.O. *see* Guy, C.N. 9—73708
Strom-Olsen, J.O. *see* Hedgcock, F.T. 9—61157
Stromeyer, C.F., III, Kronauer, R.E., Madsen, J.C. Apparent saturation of blue-sensitive cones occurs at a color-opponent stage 9—57661
Stromeyer, C.F., III, Madsen, J.C., Klein, S. Direction-selective adaptation with very slow motion 9—92218
Stromicki, J. *see* Bodek, K. 9—76015
Strominger, A. *see* Sessoms, A.L. 9—63870
Stron, R.G. *see* Masursky, H. 9—92696
Stronach, C.E. *see* Kossler, W.J. 9—56665, 9—56697
Stronach, C.E. *see* Lieb, B.J. 9—67665
Stronach, C.E. *see* McAdams, R.E. 9—85498
Stronach, C.E. *see* Otteson, O.H. 9—85519
Strong, A.B. *see* Nigro, F.E.B. 9—98807
Strong, A.W. *see* Protheroe, R.J. 9—92895
Strong, D.F. Proterozoic tectonics of northwestern Gondwanaland: new evidence from eastern Newfoundland 9—57908
Strong, H.M. *see* Lewis, E.A.S. 9—90764
Strong, P.F. *see* Aronson, J.R. 9—95189
Strong, R.L. *see* Shostak, S.L. 9—61879
Strong, W.J. *see* Plitnik, G.R. 9—50538
Strongankova, N.I. *see* Aleksandrov, O.V. 9—82603
Strongin, M. *see* Wiesmann, H. 9—87585
Strongin Myron *see* Myron Strongin
Strongylis, G.J., Bohlin, R.C. Absolute calibration in the 1750 Å-3350 Å region 9—70963
Stronskii, A.V. *see* Kostyshin, M.T. 9—78707
Stronsky, A.V. *see* Kostyshin, M.T. 9—51985
Stroobants, J.B., Bodart, F., Deconninck, G., Vreven, J. Radiation exposure during in vivo analysis of human dental enamel by proton irradiation 9—70608
Stroomer, M.V.C. *see* Jones, C.A. 9—51827
Strottman, D. Multiquark baryons and the MIT bag model 9—97600
Strottman, D. Evaluation of $SU(6)\supset SU(3)\otimes SU(2)$ Wigner coefficients 9—97607
Strottman, D. *see* Oset, E. 9—75962
Stroube, W.B. *see* Hofstetter, K.J. 9—85731
Stroud, D. Percolation effects and sum rules in the optical properties of composites 9—69801
Stroud, D., Pan, F.P. Magnetoresistance and Hall coefficient of inhomogeneous metals 9—95387
Stroud, D.G. *see* Limaye, P.S. 9—78456
Stroud, R.M. *see* Chambers, J.L. 9—92128
Strouse, E.A. *see* Linford, R.M.F. 9—86248
Strovink, M. *see* Clark, A.R. 9—75779
Stroyer-Hansen, T. *see* Svendsen, E.N. 9—93925
Strozier, A., Jr., Cosgrove, G.J., Fischer, D.A. Oxidation of CO on Pt and Pd. Theory 9—61903
Strozier, J.A., Jr. Oxidation of CO on Pt by an AC pulsing technique. II. Experiment 9—100439
Strub, D.A.S. The solar energy research and development programme of the European Communities 9—57360
Strub, R. *see* Bourquin, M. 9—71768
Strub, R. *see* Evangelista, C. 9—75788, 9—80843
Strube, L.R. *see* Lowry, R.K. 9—83527
Struble, G.L. *see* Mann, L.G. 9—54378
Struble, R.A. Obtaining analytic functions and conjugate harmonic functions 9—71227
Struchkov, A.I., Pravoverov, N.L. Erosion rate and properties of a cathode spot of the first kind with silver alloys 9—79119
Struchkov, Yu.T. *see* Potekhin, K.A. 9—86784, 9—86785, 9—90639, 9—90640
Struchkov, Yu.T. *see* Sadybakasov, B.K. 9—94995
Struck, C.W., Fonger, W.H. Linear and derivative nuclear operators in single-$\hbar\omega_0$, multiple-coordinate models of luminescence centers 9—78749
Struckmeyer, R.K., Landolt, R.R. Factors affecting the nickel yield of an irradiated sodium hypophosphite-ammoniacal nickel system and its potential use as a radiographic media 9—52702
Strudel, J.L. *see* Carry, C. 9—99210
Strueva, A.N. *see* Il'ina, V.P. 9—70241
Strugalski, Z. *see* Kuchowicz, B. 9—88588
Strugatskaya, A.A. *see* Kadla, Z.I. 9—97041
Struk, L.I. *see* Kislyi, P.S. 9—74094
Struk, L.I. *see* Murashko, R.E. 9—100098
Strukov, A.S. *see* Gruzinov, V.A. 9—84538
Strukov, B.A. *see* Chernenko, V.A. 9—95716
Strukov, V.M. *see* Peksheva, N.P. 9—83501
Strumia, F. Analysis of new microwave and optical frequency standards based on ions storage 9—54101
Strumia, F. *see* Rovera, G. 9—54104
Struminskii, B.V. Weak interactions in a model including eight quark flavors and eight leptons 9—67494
Struminskiy, V.V. A new trend in analysis of turbulence 9—98688
Strunina, A.G. *see* Ermakov, V.I. 9—100371
Strunk, H., Gosele, U., Kolbesen, B.O. Interstitial supersaturation near phosphorus-diffused emitter zones in silicon 9—65541
Strunk, H., Hagen, W., Kolbesen, B.O. Observation of individual misfit dislocations by high-voltage electron microscopy 9—82222
Strunk, H. *see* Bhagavan Raju, I.V.K. 9—82234
Strupczewski, A. *see* Celinski, Z. 9—93693

Strutinskii, V.M. *see* Kolomiets, V.M. 9—67635
Strutinsky, V.M. A TI-59 model for nuclear reactions between complex nuclei 9—54417
Strutt, P.R., Gilbert, D.A., Nowotny, H., Young-Won Kim Heat treatment of laser melted M2 tool steel 9—70086
Strutt, P.R. *see* Young-Won Kim 9—100188
Strutz, E.O. *see* Oberlander, B. 9—74333
Struve, W.S. *see* Morgante, C.G. 9—59447
Struwe, G. *see* Dreyfert, T. 9—74663
Struzhko, B.G. On solving the Faddeev equations for neutron-deuteron scattering amplitudes by the variational method 9—85321
Stryer, L. *see* Thomas, D.D. 9—92151
Stryjak, A.J., McMillan, P.W. Colour centre formation due to alkali metal vapour exposure and X-ray irradiation of spinel transparent glass ceramics 9—87316
Stryland, E.W.Van *see* Van Stryland, E.W.
Strzalkowski, A. *see* Bodek, K. 9—76015
Strzalkowski, I. *see* Marczewski, M. 9—91144
Strzelecka, H., Schoenfelder, W., Rivory, J. Electrical and optical properties of conducting TCNQ salts 9—73498
Strzelecki, L. *see* Pieranski, P. 9—96370
Strzhalkovskii, M.E. *see* Il'in, A.A. 9—99274
Strzhemechny, M.A. *see* Slusarev, V.A. 9—56028
Strzhemechnyi, M.A. *see* Antsygina, T.N. 9—65282
Stuart, C.I.J.M., Takahashi, Y., Umezawa, H. Mixed-system brain dynamics: neural memory as a macroscopic ordered state 9—57622
Stuart, E.G. *see* Bryan, A.C. 9—97215
Stuart, J.R. *see* French, J.R. 9—80197
Stuart, J.R. *see* Gause, K.A. 9—58230
Stuart, K., Reiter, G. Exact results for the quantum Heisenberg chain near T=0 9—78291
Stuart, P.R. *see* Franks, J. 9—83126, 9—95931
Stuart, W.D. Strain softening prior to two-dimensional strike slip earthquakes 9—70755
Stuart, W.D. Aging and strain softening model for episodic faulting 9—79777
Stuart, W.D., Mavko, G.M. Earthquake instability on a strip-slip fault 9—84144
Stuart, W.F. *see* Walker, A.D.M. 9—96862
Stubb, T. *see* Kuivalainen, P. 9—90976
Stubbs, A.R. *see* Thorpe, S.A. 9—66722
Stubbs, J.A. *see* Corden, M.J. 9—75796
Stubbs, L.C. *see* Bergen, H.A. 9—73841
Stubbs, R.M. *see* Mevers, G.E. 9—62724
Stubeda, D.J. *see* Lemere, M. 9—59085
Stubican, V.S. *see* Hong, J.-D. 9—91638
Stubican, V.S. *see* Minford, W.J. 9—78950
Stubicar, M. Microhardness characterization of stability of Fe-Ni-base metallic glasses 9—57011
Stubicar, M., Ivezic, T., Babic, E., Ocko, M. The microhardness of transition metal-metalloid glasses 9—57085
Stubna, M., Ricany, J., Rohar, S., Sebesta, F., Sedlacek, J., Zeman, A. Determination of uranium, plutonium and selected fission products, in the coolant of the KS-150 reactor 9—89374
Stuchbery, A.E. *see* Bolotin, H.H. 9—63630
Stuchly, M.A. Interaction of radiofrequency and microwave radiation with living systems. A review of mechanisms 9—79602
Stuchly, M.A. *see* Stuchly, S.S. 9—57825
Stuchly, S.S., Goldberg, M., Thansandote, A., Carraro, B. Monitoring of arterial wall movement by microwave Doppler radar 9—96647
Stuchly, S.S., Mladek, J., Stuchly, M.A., Parisien, B. A method for measurement of the permittivity of thin samples 9—57825
Stuck, B.W. A new proposal for estimating the spatial concentration of certain types of air pollutants 9—57533
Stuck, R. *see* Bell, R.O. 9—69920
Stuck, R. *see* Hage-Ali, M. 9—56046
Stuck, R. *see* Manifacier, J.-C. 9—65945
Stuck, R. *see* Ponpon, J.P. 9—61984
Stuckenrath, R. *see* Butzer, K.W. 9—88471
Stucki, F. *see* Busch, G. 9—77872
Stucki, F. *see* Camani, M. 9—56699
Studart, N., Hipolito, O. Correlations and plasma oscillations of a two-dimensional classical electron system 9—69446
Studennikova, T.G. *see* Prokopchuk, S.I. 9—70391
Studenov, V.I. *see* Smirnov, V.S. 9—55135
Studenova, T.V. *see* Pruss, P.Kh. 9—49327
Studer, K.E. *see* Chubin, D.E. 9—71219
Studley, R.V. *see* Crane, T.W. 9—81067
Stueber, R.J. *see* Seelig, R.P. 9—57138
Stuhl, F. *see* Hansen, I. 9—64036
Stuhl, J., Brandstatter, F. Effect of vacuum hardening on the properties of grade S 6-5-2 high-speed steels 9—100175
Stuhlinger, E. First steps into space, 1946-1978 9—80195
Stuitje, P.J.T., Gottstein, G. Recrystallization texture development in tensile deformed silver single crystals 9—91685
Stuiver, M. Carbon-14 dating: a comparison of beat and ion counting 9—74992
Stuk, A.A. *see* Gres'kov, I.M. 9—69144
Stukan, V.A. *see* Trifonov, V.I. 9—51630
Stukas, V.J. *see* Reynolds, P.H. 9—62466
Stuke, J. *see* Holzenkampfer, E. 9—61213
Stukel, J.J. *see* Holub, R.F. 9—57529
Stulen, F.B., De Luca, C.J. The relation between the myoelectric signal and physiological properties of constant-force isometric contractions 9—70539
Stulen, F.B. *see* De Luca, C.J. 9—92413
Stulen, R.H., Bastasz, R. Surface segregation of boron in nitrogen-strengthened stainless steel 9—90854
Stuller, R.L. *see* Nash, C. 9—85215
Stulov, A.S. Calculation of the echo signal from a continuous noncircular cylinder with the aid of the Kirchhof integral 9—68453
Stulov, V.P. *see* Koval', M.A. 9—90277
Stulov, V.P. *see* Zheleva, I.M. 9—77223
Stul'pinene, N.A. *see* Misyunas, A.A. 9—63945, 9—63964
Stulz, L.W. Titanium in-diffused $LiNbO_3$ optical waveguide fabrication 9—76892
Stumer, I. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Stumm, J., Hofmann, A. Description of low energy deuteron scattering using multishell form factors 9—93636
Stumm, W. Magnetic stray flux techniques in non-destructive testing—theory, application, new developments 9—83401
Stump, D.R. *see* Cahill, K. 9—97587
Stump, N. *see* Munzing, W. 9—60359
Stump, R. *see* De Clercq, C. 9—89188
Stumpe, E., Oechsner, H., Schoof, H. High-resolution sputter depth profiling with a lower pressure HF plasma 9—95041
Stumpe, E. *see* Oechsner, H. 9—90856
Stumpers, F.L.H.M. Some notes on the scientific work of H. Bremmer 9—62984
Stumpf, K.D. Real-time interferometer 9—85168
Stunic, Z., Djurickovic, V., Stunic, Z. Thermal storage: nucleation of melts of inorganic salt hydrates 9—66417
Stunic, Z. *see* Stunic, Z. 9—66417
Stupak, A.P. *see* Bushuk, B.A. 9—50289
Stupak, A.P. *see* Rubinov, A.N. 9—87853
Stupakov, G.V. Hydrodynamic plasma equilibrium in an ambipolar magnetic trap 9—98951
Stupakov, G.V. *see* Ryutov, D.D. 9—86601
Stupavsky, M., Gravenor, C.P., Symons, D.T.A. Paleomagnetic stratigraphy of the Meadowcliffe Till, Scarborough Bluffs, Ontario: a Late Pleistocene excursion? 9—70745
Stupin, A.B. *see* Povkh, I.L. 9—77101
Stupin, D.M. *see* Whitman, R.L. 9—63804
Sturcken, E.F. Irradiation effects in magnesium and aluminium alloys 9—65121
Sturge, M.D. *see* Stormer, H.L. 9—65530
Sturges, L.D. Die swell: the separation of the free surface 9—90295
Sturges, R.H. *see* Nyman, D.H. 9—49824
Sturgess, C.E.N. *see* Hartley, P. 9—81818
Sturgul, J.R. *see* Kohlbeck, F. 9—96754
Sturla, E. *see* Scudieri, F. 9—95137
Sturm, F. *see* Mund, K. 9—92428
Sturova, I.V. Internal waves generated by local disturbances in a linearly stratified liquid of finite depth 9—86485
Sturova, I.V., Sukharev, V.A. Plane problem of wave motions occurring in a continuously stratified fluid during the flow around a submerged body 9—77213
Sturr, J.F. *see* White, T.W. 9—53117
Sturrock, G.D. *see* Jones, D.P. 9—92326
Sturua, G.I., Belokoneva, E.L., Simonov, M.A., Belov, N.V. Crystal structure of the Ge zeolite $K(H_3O)_3[Ge_7O_{16}]=KH_3[Ge_7O_{16}].3H_2O$ 9—90628
Stutius, W., Boyce, J.B., Mikkelsen, J.C., Jr. RDF studies of the superionic conductor $RbAg_4I_5$ using EXAFS 9—87526
Stutius, W. *see* Scifres, D.R. 9—89917
Stutz, R.A. *see* Bartlit, J.R. 9—93833
Stutzman, W.L. *see* Meadows, D.N. 9—80590
Stuyvenberg, J.A.Van *see* Van Stuyvenberg, J.A.
Stwalley, W.C. A proposed production method for spin-aligned hydrogen 9—55003
Stwalley, W.C. *see* Koch, M.E. 9—50035
Stwalley, W.C. *see* Proctor, T.R. 9—76480
Styapankyavichyus, V.V. *see* Karpinskas, S.Ch. 9—51673
Styczynski, A., Jasienski, Z. Physical interpretation of Krupkowski's formula for the strain-hardening curve of metals 9—100158
Styles, J.B. *see* Weaver, J.N. 9—68055
Styrikovich, M.A., Leont'ev, A.I., Polonskii, V.S., Zuikov, A.S. Experimental study of the conditions of mass exchange in steam-generating channels with liberation of heat according to a cosine law 9—81710
Styrikovich, M.A., Malyshenko, S.P., Andrianov, A.B., Konovalov, S.I. Features of boiling on surfaces with thermally nonconducting porous coatings 9—76946
Styrikovich, M.A. *see* Polonskii, V.S. 9—76947
Styro, D.B., Kadzhene, G.I., Lukinskene, M.V., Nemanis, A.P. Variations of the ^{137}Cs and ^{90}Sr concentrations in the waters of the Baltic Sea during 1973-1975 9—92100
Styrov, V.V. *see* Izmailov, Sh.L. 9—56863
Styrov, V.V. *see* Kabanskii, A.E. 9—78818
Stysis, V.N. *see* Gefter, P.L. 9—75549
Su, C.H. *see* Stevens, W.K. 9—90306
Su, C.Y. *see* Dupuis, R.D. 9—56933
Su, C.Y. *see* Garner, C.M. 9—69586, 9—74272, 9—87141
Su, C.Y. *see* Skeath, P. 9—100019
Su, F., Calvert, J.G., Shaw, J.H., Niki, H., Maker, P.D., Savage, C.M., Breitenbach, L.D. Spectroscopic and kinetic studies of a new metastable species in the photooxidation of gaseous formaldehyde 9—93994
Su, K.C. *see* Hsieh, C.K. 9—69268, 9—75530, 9—83400
Su, R.T. *see* Sinha, M.P. 9—64061
Su, W.P., Schrieffer, J.R., Heeger, A.J. Solitons in polyacetylene 9—76540
Su, Y.K., Chang, C.Y., Wu, T.S., Liu, B.D. Temperature-dependent characteristics of a reach-through avalanche photodiode (RAPD) in Ge, Si and GaAs 9—95482
Su Fu *see* Fu Su
Su Hong-Jun *see* Peng Qiu-He 9—80349
Su Hsiu-chun *see* Chang Ko-yi 9—94102
Su Kim Hwang *see* Hwang Su Kim
Su Ru-keng *see* Ni Guang-jiong 9—63380
Su Tsai Yung *see* Yung Su Tsai
Su Zhao-bing *see* Zhou Guang-zhao 9—80758, 9—80759
Su Zong-Di, Shi Xiang-Jun, Tang Xue-Tian, Tian Ye The width fluctuation correction in statistical theory of nuclear reactions 9—49616
Su-fen Fu *see* Fu Su-fen
Su-yin Mao *see* Mao Su-yin
Suarez, C.B. *see* Valero, F.P.J. 9—89713
Suarez Marcos, A. *see* Garzon Ruiperez, L. 9—84347, 9—84348
Suassuna, J.F. *see* Barberis, G.E. 9—69719, 9—78514, 9—87315
Suassuna, J.F. *see* Davidov, D. 9—99765
Suate, M., Paldus, J., Cizek, J. Correlation problems in atomic and molecular systems. VII. Application of the open-shell coupled-cluster approach to simple π-electron model systems 9—81157
Suaya, R., Townsend, J.S. Quark fragmentation: some simple tests for quantum chromodyanmics 9—49470
Sub Chung Chang *see* Chung Chang Sub
Sub Yoon Hyo *see* Hyo Sub Yoon
Subachyus, L.E. *see* Ashmontas, S.P. 9—56240
Subak, E.J., Jr. *see* Coetzee, J.F. 9—69264
Subashiev, A.V. *see* Andreev, D.A. 9—56145
Subba Rao, B.V. *see* Narasimha Rao, M. 9—73299
Subba Rao, G.V. *see* Sastri, M.V.C. 9—62014
Subba Rao, G.V. *see* Vasudevan, S. 9—64956
Subba Rao, K. *see* Kumar, A. 9—89351
Subba Rao, K. *see* Sahu, K.C. 9—99289
Subba Rao, K. *see* Sarma, A.V. 9—95081
Subba Rao, U.V. *see* Veeresham, P. 9—99238
Subba Rao, V. *see* Ramascuamy, C. 9—96796
Subba Rao, Y.V., Radhakrishna Murthy, I.V. Palaeomagnetism of quartz-magnetite rocks, Karimnagar, India 9—84103
Subbarao, D., Sodha, M.S. Theory of paraxial self-focusing 9—94304
SubbaRao, G.N. *see* Gordon, J.E. 9—55639
Subbarao, S.N., Bray, P.J. ^{14}N nuclear quadrupole resonance in several liquid crystals in their solid state 9—61260
Subbarao Maddukuri, C., Slawson, P.R., Danard, M.B. The application of a two-dimensional numerical model of the planetary boundary layer to the Nanticoke region on the north side of Lake Erie 9—66750
Subbaraya, B.H. *see* Parakash, S. 9—84637
Subbaswamy, K.R., Trullinger, S.E. Complex scalar fields in one dimension with fourfold phase anisotropy: solitary-wave solutions 9—58553
Subbotin, A.V. Pore nucleation 9—99237
Subbotin, V.B. *see* Gridnev, K.A. 9—97715
Subbotin, V.G. *see* Zubareva, A.M. 9—68124
Subbotin, V.I., Blinkin, V.L., Novikov, V.M., Shkurpelov, A.A. Physical aspects of the use of liquid-salt reactors to cover variable loads 9—71886
Subbotin, V.I., Ibragimov, M.Kh., Taranov, G.S., Gusakov, V.I. Flow in pipes with regular, artificially-produced wall roughness 9—98803
Subbotina, E.I. *see* Dedkov, Yu.M. 9—53007
Subbukutty, K. *see* Joneja, O.P. 9—67934
Subchinskii, V.K., Konstantinov, A.A., Ruuge, E.K. Investigation of the interaction of paramagnetic probes with the membranes of submitochondrial particles 9—57604
Subhash, G. *see* Gir, R. 9—66820, 9—66820
Subhash, S.M.G., Choudhury, M.A. Coda power and modulation characteristics of a complex P signal from underground nuclear explosions 9—79757
Subic, J. *see* Ivkov, J. 9—56182
Subotinov, N.V., Konieczka, J., Mizeraczyk, J., Vuchkov, N.K. Bipolar He-Cd hollow-cathode laser 9—50319
Subra, R. *see* Barone, V. 9—97998
Subra, R. *see* Douady, J. 9—59335
Subrahmanyam, A., Rao, K.V. F-band absorption and thermoluminescence of KCl single crystals under DC field and X-ray irradiation 9—65910

Subrahmanyam, A., Rao, K.V. Effect of DC field and X-ray irradiation on the F-band and thermoluminescence of NaCl single crystals 9—99956

Subrahmanyam, A., Rao, K.V., Bose, H.N. Effect of DC biasing field on the dielectric constant of rutile single crystals 9—78603

Subrahmanyam, A. *see* Mahendra, K.K. 9—62003

Subrahmanyam, A. *see* Rao, K.V. 9—99814

Subrahmanyam, D.V. *see* Ghali, E. 9—95172

Subrahmanyam, P., Rao, B.S., Madhvanath, U. OER of fission neutrons for induction of heteroallelic reversion in diploid yeast 9—88139

Subrahmanyam, S.V. *see* Manoharamurthy, N. 9—57280

Subrahmanyam, T.V.S. *see* Sarma, A.V. 9—95081

Subrahmanyam, V., Srirama Rao, M. Spread F at Halley Bay 9—75034

Subrahmanyam, V., Srirama Rao, M. Equatorial spread F and F-layer height 9—88535

Subrahmanyam, V. *see* Hanumath Sastri, J. 9—101007

Subrahmanyam, V. *see* Srirama Rao, M. 9—80070, 9—101005

Subramanian, A. *see* Rangaswamy, T.N. 9—54351

Subramanian, G., Krishnan, A. On an efficient use of CST elements 9—72798

Subramanian, R. Prediction of metal distribution in electroplating systems—recent approaches 9—91599

Subramanian, R. *see* Kuppuraju, K. 9—71466

Subramanian, S.K. *see* Raman, C.R.V. 9—84461

Subramanya Sastry, P., Premaswarup, D. Dielectric constants of alcoholic electrolytic solutions 9—99813

Subramanyam, K.N., Kadri, M. The chemical and magnetic transformation of the series $Ni_xFe_2O_4$ 9—51774

Subramanyam, K.N., Khare, L.R. The X-band microwave dielectric spectra of a certain polystyrene foam 9—87376

Subramanyan, N., Ramakrishnaiah, K., Iyer, S.V., Kapali, V. The influence of radioactive n-dibutyl sulphide on the corrosion and polarization of steel and its electrocapillary behaviour in 1N sulphuric acid 9—70215

Subtil, J.L. *see* Cue, N. 9—64103

Sucec, J. Extension of a modified integral method to boundary conditions of prescribed surface heat flux 9—59978

Such, C. *see* Friaa, A. 9—64614

Suchanski, W., Canepa, P.C. NMR relaxation studies and internal molecular rotation in liquid nitromethane 9—95668

Sucher, J., Drachman, R.J. Global operators for δ functions: extension to scattering states and the inclusion of spin 9—92985

Sucher, J. *see* Drachman, R.J. 9—94088

Sucher, J. *see* Feinberg, G. 9—63431

Suchkov, A.A. The observational foundations of density-wave models for spiral structure 9—62915

Suchkov, A.F. *see* Baev, V.M. 9—53517

Suchkov, A.F. *see* Borisov, A.A. 9—61858

Suchkov, D.A. *see* Aref'ev, A.V. 9—97637

Suchkov, D.A. *see* Bayukov, Yu.D. 9—49538

Suchkov, S.G. *see* Lazerson, A.G. 9—82432

Suchkov, V.A. *see* Borisevich, N.A. 9—54908

Suchkov, V.A. *see* Gruzinskii, V.V. 9—51987

Suchomel, R.R. *see* Mack, J.E. 9—93805

Suchomel, R.R. *see* Notz, K.J. 9—89482

Suchy, K. *see* Altman, C. 9—72459

Suchy, K. *see* Thiel, J. 9—71357

Suchy, P., Ulrych, G., Kemner, H., Kurz, E. Application of tables of critical heat fluxes to rod bundles 9—97756

Suchyugov, V.A. *see* Proklov, V.V. 9—90032

Suck, J.B. *see* Nagele, W. 9—65685

Suck, J.B. *see* Vorderwisch, P. 9—99517

Suck, J.-B. *see* Schweiss, P. 9—51714

Suck, S.H., Kassner, J.L., Jr., Yamaguchi, Y. Water cluster interpretation of IR absorption spectra in the 8-14-μm wavelength region 9—98081

Suck, S.H., Upchurch, E.C., Brock, J.R. Dust transport in Maricopa County, Arizona 9—70824

Suck Dong Ho *see* Dong Ho Suck

Suck Hee Be, Yano, K. Multiple stage cluster beam ionizer 9—67425

Sucker, D., Brauer, H. Mass transfer with chemical surface reaction on flat plates in flow 9—72961

Suckewer, S., Eubank, H.P., Goldston, R.J., Hinnov, E., Sauthoff, N.R. Toroidal plasma rotation in the Princeton Large Torus induced by neutral-beam injection 9—77400

Suckewer, S., Hinnov, E. Iron forbidden lines in tokamak discharges 9—98958

Suckewer, S. *see* Eubank, H. 9—82074

Suckewer, S. *see* Hawryluk, R.J. 9—55468

Sud, P.K., Anishchik, V.M., Gumanskii, G.A. The structure of bismuth films 9—60660

Suda, K., Handa, T. Portable optical particle (0.06 μm) counter 9—75674

Suda, M. *see* Eder, O.J. 9—77490

Suda, N. Nuclear reactor noise analysis 9—93749

Suda, T., Kurita, S. Dynamic quenching of photocapactiance in CdS:Cu evaporated thin films 9—56258

Suda, T., Matsuzaki, K., Kurita, S. Infrared quenching of photocapacitance in evaporated ZnS:Ag thin films 9—87127

Suda, Y., Inuma, T.A. Positron camera-computer system for various section images 9—66528

Sudakov, A.G. *see* Nisht, M.I. 9—86443

Sudakov, S.A. *see* Bocharov, E.P. 9—80729

Sudakov, S.N. Canonical equations of motion of a solid body with a vortex filling 9—63034

Sudakov, S.N. The form of a closed cavity in which there are homogeneous vortex motions of an ideal incompressible liquid 9—64671

Sudakov, V.S. *see* Zel'bet, B.M. 9—52275

Sudan, R.N. Stability of field-reversed, force-free, plasma equilibria with mass flow 9—60186

Sudan, R.N. *see* Finn, J.M. 9—68917

Sudan, R.N. *see* Gerver, M.J. 9—64893

Sudan, R.N. *see* Greenspan, M.A. 9—85200

Sudan, R.N. *see* Keskinen, M.J. 9—75016

Sudarshan, E.C.G. Quantum electrodynamics and light rays 9—63395

Sudarshan, E.C.G. Pencils of rays in wave optics 9—98275

Sudarshan, E.C.G., Mukunda, N. Structure and representation of correlation functions and the density matrix for a statistical wave field in optics 9—98325

Sudarshan, T.S. *see* Densley, R.J. 9—85145

Sudbo, A.S., Schulz, P.A., Krajnovich, D.J., Lee, Y.T., Shen, Y.R. Photoionization study of multiphoton-excited SF_6 in a molecular beam 9—76476

Suddeth, D.E., Volk, G.J. Intense Pulsed Neutron Source (IPNS-1) accelerator 500 MeV fast kickers 9—72131

Suddeth, D.E. *see* Parker, E.F. 9—72054

Sudhakar, K. *see* Rangaswamy, T.N. 9—54351

Sudhakar, K. *see* Rao, D.P. 9—70440

Sudhakar, P., Bhattacharyya, A.B. Model for SAW scattering by IDT and its application to SAW track changer 9—59899

Sudheendra Rao, M.N. *see* Sridharan, K.R. 9—76446

Sudo, H. *see* Imai, H. 9—50290

Sudo, S. *see* Edahiro, T. 9—94376

Sudo, Y., Toda, F. Photoinduced electron transport across phospholipid wall of liposome using methylene blue 9—74614

Sudoh, G. *see* Maruta, T. 9—70413

Sudol, M., Schneider, Z., Nowakowska, M. Studies on the thermal resistance of LDPE stabilized with home made antioxidants 9—52328

Sudraud, M., Veroquaux, E. Theremodynamic versus neutron measurments in He II at low temperature 9—51327

Sudraud, P., Colliex, C., van de Walle, J. Energy distribution of EHD emitted gold ions 9—61503

Sue, M. *see* Simpson, R.A. 9—84723

Suedova, L.M. *see* Gurari, M.L. 9—75535

Sueishi, T., Sato, T., Kawai, N., Kobayashi, K. Short geomagnetic episodes in the Matuyama epoch 9—66616

Suematsu, H., Harada, K., Inoue, S., Fujita, J., Wakiyama, Y. Heat transfer characteristics of heat pipes 9—49223

Suematsu, H. *see* Tanuma, S. 9—65367

Suematsu, Y. *see* Arai, S. 9—50314

Suematsu, Y. *see* Furuya, K. 9—50409, 9—64335, 9—81433, 9—81560

Suematsu, Y. *see* Itaya, Y. 9—94249

Suematsu, Y. *see* Kawanishi, H. 9—98387

Suematsu, Y. *see* Rosental, A. 9—98373

Suematsu, Y. *see* Utaka, K. 9—81458

Suematsu, Y. *see* Yamada, M. 9—98362, 9—98372

Suematsu Yasuharu *see* Yasuharu Suematsu

Suemitsu, M., Sawada, Y. Structure factor of liquid ^{3}He-^{4}He mixture 9—60591

Suemitsu, T. *see* Kubo, S. 9—71555

Suemoto, T., Kanzaki, H. Time-resolved absorption spectroscopy of self-trapped excitons in condensed Ne, Ar, and Kr 9—65893

Suemoto, Y. *see* Minemoto, T. 9—94340

Suemune, I., Moriizumi, T., Matsuda, A., Yasuda, T. SAW $\Delta V/V$ waveguides in arbitrary propagation directions on Y-cut $LiNbO_3$ 9—81602

Suemune, I. *see* Matsuda, A. 9—56054

Suen, W.M., Wong, S.P., Young, K. The lattice model of heat conduction in a composite material 9—81682

Suenaga, K. *see* Sueyoshi, H. 9—52270

Sueno, S., Kimata, M. Te atom splitting and modulated structure in calaverite 9—99145

Suess, M.J. An international approach to air quality monitoring 9—83661

Suess, S.T. Models of coronal hole flows 9—58313

Suess, S.T. The solar wind during the Maunder Minimum 9—75069

Suess, S.T., Goldstein, B.E. Compression of the Hermaean magnetosphere by the solar wind 9—96936

Suetaka, W., Ohsawa, M. Potential modulation Raman spectrum of species on metal electrode surface 9—63310

Suetaka, W. *see* Ito, M. 9—69343

Suetin, P.E., Chernyak, V.G. Dependence of Poiseuille slip and thermal creep on the law of interaction of gas molecules with the boundary surface 9—68753

Suetin, P.E. *see* Makeev, Yu.I. 9—86464

Suetin, V.A. *see* Grebinnik, V.G. 9—56667, 9—56694, 9—87369

Suetin, V.A. *see* Gurevich, I.I. 9—56676

Suetin, V.P. *see* Medvedev, E.Yu. 9—93181

Suetomi, N. *see* Tokita, S. 9—96304

Sueur, G. *see* Baud, G. 9—77578

Sueyoshi, H., Suenaga, K. Effects of alloying elements on the graphitization of hypo-eutectoid steel 9—52270

Sueyoshi, T. *see* Kishimoto, M. 9—56571

Suezawa, M., Ishioka, S. Strain energy near a free surface 9—61558

Suffczynski, M. *see* Adamowski, J. 9—60715

Suffczynski, M. *see* Cracknell, A.P. 9—65019

Suffczynski, M. *see* Ungier, W. 9—52008

Suffert, M. *see* Backenstoss, G. 9—68336

Suffert, M. *see* Rigaud, F. 9—93617

Suffin, S.C. *see* O'Donnell, C.M. 9—79693

Suga, H. Minimal oxygen consumption and optimal contractility of the heart: theoretical approach to principle of physiological control of contractility 9—74694

Suga, H., Fukushima, K. A method for the electron beam shaping 9—50204

Suga, K. *see* Aguirre, C. 9—62699

Suga, M. *see* Motozato, Y. 9—66386

Suga, N. *see* O'Neill, W.E. 9—83808

Suga, S. *see* Inoue, K. 9—73967

Suga, S. *see* Kanzaki, H. 9—63311

Suga, S. *see* Mitani, T. 9—91513

Sugahara, R., Ochiai, F., Fukui, Y., Cooper, A.M., Fukawa, M., Kabe, S., Kichimi, H., Ono, A., Sato, T., Suzuki, A., Yoshimura, Y., Takahasi, K., Okusawa, T., Tanahashi, K., Sasaki, S., Teranaka, M., Kusumoto, O., Konishi, T. Inclusive strange particle production in π^-p interactions at 6 GeV/c 9—93454

Sugahara, R., Suzuki, A., Fukawa, M., Kabe, S., Kichimi, H., Ochiai, F., Ono, A., Sato, T., Yoshimura, Y., Takahashi, K. A study of the $\Delta\pi\pi$ system in the reaction $\pi^-p \to \pi^-p\pi^+\pi^-\pi^0$ at 4.5 GeV/c 9—93453

Sugahara, R. *see* Kichimi, H. 9—89207

Sugai, H., Ido, K., Niki, H., Takeda, S., Mima, K. Whistler wave trapping in a narrow density trough 9—64870

Sugai, H., Lynov, J.P., Michelsen, P., Pecseli, H.L., Rasmussen, J.J. Evolution of modulated dispersive electron waves in a plasma 9—86575

Sugai, S., Murase, K., Tsuchihira, T., Kawamura, H. Interaction of the TO-phonon with the acoustic phonons near the phase transition temperature in $Pb_{1-x}Ge_xTe$ 9—90776

Sugai, S. *see* Murase, K. 9—95773

Sugai, T., Wada, M. Single crystal growth and some properties of $Cd_2Ti_2O_5F_2$ and $CdTiO_3$ 9—100046

Sugakov, V.I., Khotyaintsev, V.N. Dislocation excitons in strongly anisotropic crystals 9—65388

Sugakov, V.I. *see* Danilov, V.V. 9—73704

Sugakov, V.I. *see* Ostapenko, N.I. 9—78703

Sugamori, S.E. *see* Grzybowski, J.M. 9—99921

Sugamoto, A. Dual transformation in Abelian gauge theories 9—63370

Sugamoto, A. *see* Seo, K. 9—85234

Sugano, K. *see* Chiba, M. 9—93898

Sugano, R. *see* Iguchi, K. 9—89107

Sugano, T. *see* Koshiga, F. 9—66188

Sugano, T. *see* Sakai, S. 9—87035

Sugano, Y. Transient thermal stresses and displacements in a transversely isotropic, heat-generating circular cylinder 9—68584

Sugano, Y. Transient thermal stresses in a transversely isotropic finite circular cylinder due to an arbitrary internal heat-generation 9—76974

Sugar, J., Kaufman, V. Identification of 5g and 6g terms and revised ionization energies in the Yb II $4f^{14}$nl isoelectronic sequence 9—49953

Sugar, J., Lucatorto, T.B., McIlrath, T.J., Weiss, A.W. Even-parity autoionizing states in neutral sodium (350-400 Å) 9—59390

Sugar, J. *see* Corliss, C. 9—59385

Sugar, R.L. *see* Blankenbecler, R. 9—71661

Sugar, R.L. *see* Bronzan, J.B. 9—71709

Sugar, S. *see* Somogy, A. 9—80173

Sugarman, A. *see* Rumble, E. 9—93731

Sugarman, A.C., Blachere, J.R. Creep of MgO containing a dispersion of carbon 9—100213

Sugata, E. *see* Inoue, T. 9—52087

Sugawa, T. *see* Takeuchi, S. 9—94365

Sugawa, T. *see* Utsumi, A. 9—50467

Sugawara, F., Nagai, H. Asymmetric interferogram in polarization interferometer 9—97421

Sugawara, H. *see* Kamide, H. 9—100289

Sugawara, H. *see* Pakvasa, S. 9—63403

Sugawara, K. Effect of crystal field on the inelastic neutron scattering cross-section. II 9—65642

Sugawara, M. *see* Seki, N. 9—76956, 9—76961

Sugawara, S. *see* Konno, M. 9—81615

Sugawara, S. *see* Tomikawa, Y. 9—68470

Sugawara, T. *see* Saito, S. 9—56002

Sugawara, T. *see* Sato, K. 9—51369

Sugawara, Y. *see* Iijima, T. 9—76704

Sugawara, Y. *see* Tokiwa, Y. 9—50285
Sugaya, M. *see* Fujikawa, S.-I. 9—51265
Sugaya, S. The current state of leak detection system in pipeline 9—97370
Sugden, T.M. The classification of pollutants and their pathways in the atmosphere 9—70489
Suggitt, R.T. A method for the production of acoustic forecasts using a digital computer 9—79960
Suggs, J.C. *see* Mitchell, W.J. 9—83682
Sugi, H., Amemiya, Y., Hashizume, H. Time-resolved X-ray diffraction from frog skeletal muscle during an isotonic twitch under a small load 9—83836
Sugi, M., Iizima, S. Single layer conductance of cadmium behenate in the Langmuir multilayer assembly system 9—51701
Sugie, M., Takeo, H., Matsumura, C. Microwave spectrum of aminoborane, BH_2NH_2 9—85957
Sugihara, M. *see* Hiraoka, T. 9—71963
Sugihara, T., Oda, H. Theoretical analysis of the effect of the size fluctuation on the size spectrum of extensive air showers 9—58207
Sugihara, T. *see* Kitajima, T. 9—62702
Sugihara, T.T. *see* Yamada, H. 9—93648
Sugii, K., Kondo, S. Direct measurement of temperature dependence of lattice mismatches between LPE-grown $Li(Nb,Ta)O_3$ film and $LiTaO_3$ substrate 9—56087
Sugimoto, D., Fujimoto, M.Y. A general theory for thermal pulses of finite amplitude in nuclear shell-burnings 9—80299
Sugimoto, H., Sato, Y. Characteristics of nuclear interactions around 20 TeV through the analysis of the Monte-Carlo simulation 9—58991
Sugimoto, H. *see* Akashi, M. 9—63562
Sugimoto, H. *see* Bando, M. 9—97578
Sugimoto, H. *see* Fumuro, F. 9—62705
Sugimoto, H. *see* Ishi, N. 9—57628
Sugimoto, K., Belanger, G., Piron, D.L. Changes in the niobium electrode surface induced by strong cathodic polarization 9—100388
Sugimoto, M. Magnetic spinel single crystals by Bridgman technique 9—69977
Sugimoto, M., Makimoto, T. Electrically controllable polarization conversion in thin-film acoustic surface waveguides and its application 9—76924
Sugimoto, N., Narita, S., Taniguchi, M., Kobayashi, M. Isolated A^+ states in boron doped silicon under high compressive stress 9—60765
Sugimoto, S. Optical communications 9—68438
Sugimoto, S., Kobayashi, K. Micro-optic devices make future optical communication possible 9—76840
Sugimoto, S. *see* Kobayashi, K. 9—55211
Sugimoto, T. Effects of convection and Brownian motion on particle growth rate in colloidal dispersions 9—52778
Sugimoto, T., Matijevic, E. Colloidal cobalt hydrous oxides. Preparation and properties of monodispersed Co_3O_4 9—100445
Sugimoto, T., Nakano, K., Kitajima, H., Suzuki, H. Theory of the optical absorption of β-carotene 9—62189
Sugimura, A., Daikoku, K. Wavelength dispersion of optical fibers directly measured by 'difference method' in 0.8-1.6 μm range 9—50395
Sugimura, A. *see* Imoto, N. 9—90020
Sugimura, K. *see* Kobayasi, T. 9—76708
Sugimura, T. *see* O'Keefe, D. 9—98350
Sugino, T., Itoh, K., Wada, M., Shimizu, H., Teramoto, I. Fundamental transverse and longitudinal mode oscillation in terraced substrate GaAs-(GaAl)As lasers 9—98357
Sugino, T., Wada, M., Shimizu, H., Itoh, K., Teramoto, I. Terraced-substrate GaAs-(GaAl)As injection lasers 9—50310
Sugishita, J., Fujiyoshi, S., Imura, T. The effect of frictional force amplitude on the degradation of SiC abrasive papers 9—74264
Sugishita, T. *see* Noguchi, Y. 9—88224
Sugita, K. *see* Ueno, N. 9—98249
Sugita, S. *see* Ibuki, T. 9—70313
Sugita, T. *see* Kobayashi, M. 9—61307
Sugita, Y. Gettering in silicon crystals 9—83356
Sugita, Y. *see* Ikeda, T. 9—74107
Sugita, Y. *see* Nishida, H. 9—78486
Sugitate, T. *see* Inamura, T. 9—67770
Sugiura, H., Sawaoka, A., Saito, S., Inoue, K. Effect of pressure on the Neel temperature and the lattice parameter of MnTe 9—95594
Sugiura, M., Hagan, M.P. Geomagnetic Sq variation at satellite altitudes: is Sq correction important in Magsat data analysis? 9—75015
Sugiura, T., Tanaka, A., Sukegawa, T. Low temperature growth of GaP LPE layers from indium solvent 9—56924
Sugiyama, K., Mizuno, H., Motojima, S., Takahashi, Y. Single crystal growth of titanium carbide from the vapor by a modified hot wire method 9—61509
Sugiyama, K. *see* Ishiguro, R. 9—86429
Sugiyama, K. *see* Motojima, S. 9—66009, 9—66010
Sugiyama, K. *see* Oe, K. 9—90023
Sugiyama, K. *see* Shinozuka, T. 9—93618
Sugiyama, K. *see* Tsubaki, K. 9—78879, 9—90987
Sugiyama, K. *see* Yamada, J. 9—98418
Sugiyama, K. *see* Yamamoto, T. 9—49622
Sugiyama, L. *see* Coppi, B. 9—50852, 9—82051
Sugiyama, S., Hasatani, M. Unsteady heat conduction accompanied by an endothermic solid reaction 9—76939
Sugiyama, S. *see* Hibino, M. 9—71567
Sugiyama, T. Kink-antikink collisions in the two-dimensional ϕ^4 model 9—85218
Sugiyama, T., Shimada, O., Itoh, T. On the doping efficiency of Ga or Sb into silicon epitaxial films grown by part ionized vapor deposition 9—73201
Sugiyama, T. *see* Fukushima, K. 9—60568
Sugiyama, T. *see* Maihara, T. 9—80351
Sugiyama, Y., Yamada, H., Kataoka, S. Ultramicro semiconductor Hall element and its application to the direct measurement of magnetic field distributions from a magnetic bubble 9—56585
Sugiyama, Y. *see* Komiya, S. 9—85146
Suguna, A., Shrivastava, K.N. Energy minimum excitation in a ferromagnet 9—61086
Suh, N.P. *see* Nak-Ho Sung 9—79125
Suh, Y.B., Kimball, J.C. Remarks on weak field expansions of thermodynamic properties of electron gas in uniform magnetic field at T=0K 9—85066
Suhara, T., Handa, Y., Nishihara, H., Koyama, J. Analysis of optical channel waveguides and directional couplers with graded-index profile 9—81542
Suhara, T. *see* Handa, Y. 9—68450
Subel, P., Kralj, B., Plevnik, S. Advances in nonimplantable electrical stimulators for correction of urinary incontinence 9—57817
Suhl, H., Hurell, J., Silver, A.H., Song, Y. Effect of order parameter relaxation on Josephson junction transients 9—56423
Suhl, H. *see* Lagos, R.E. 9—61905
Suhov, Yu. *see* Marchioro, C. 9—54065
Sui, H. *see* Laane, R. 9—50899
Suisalu, A.P. *see* Avarmaa, R.A. 9—78571, 9—95644
Suita, M., Kawamata, M., Sakuma, N. The study of pressure pulsations in the branching pipeline systems 9—90337
Suits, B. *see* Friedt, J.M. 9—78578
Sujak-Cyrul, B. *see* Pawlikowski, J.M. 9—56793
Sujczynska, M. *see* Gadomski, A.M. 9—63752
Sujkowski, Z. *see* Chmielewska, D. 9—93960
Sujkowski, Z. *see* De Voigt, M.J.A. 9—75903, 9—93549
Sujkowski, Z. *see* Hammaren, E. 9—63576
Sujkowski, Z. *see* Jansen, J.F.W. 9—67624
Suk, M. *see* Boos, E.G. 9—49548, 9—89203
Suk, M. *see* Guy, J.G. 9—54357, 9—80844
Suk Ki Hong Hana Kai II: a 17-day dry dive at 18.6 ATA saturation 9—92256
Suk Ping So, Richards, W.G. Ab initio molecular orbital study of geometry of the ClF_4 radical 9—89610
Suk Tai Kang, Okutani, T., Shimizu, R. Computer simulation of depth profiling process under ion bombardment 9—83089
Sukegawa, T., Kan, H., Nakamura, T., Katsuno, H., Hagino, M. GaP negative-electron-affinity cold cathodes 9—87558
Sukegawa, T. *see* Kan, H. 9—51445, 9—69965
Sukegawa, T. *see* Miyao, M. 9—87559
Sukegawa, T. *see* Sugiura, T. 9—56924
Sukhanov, A.A. Properties of diodes with electrothermal instabilities in the switching channel 9—78238
Sukhanov, A.N. *see* Vasil'ev, B.I. 9—89721
Sukhanov, V.A. *see* Gyul'khandanyan, G.V. 9—96506
Sukhanov, Yu.K. *see* Kandaurov, L.E. 9—52539
Sukharev, I.K., Kozhukhov, A.A., Bondarev, G.S. Electronic weights using a digital indicator 9—71417
Sukharev, S.A. *see* Dolgopolov, Yu.V. 9—59769
Sukharev, V.A. *see* Sturova, I.V. 9—77213
Sukharevskii, B.Ya. *see* Anders, E.E. 9—90794
Sukharevskii, V.G. *see* Zhivopistsev, F.A. 9—75958
Sukhatme, S.P. *see* Modi, V. 9—100926
Sukhatme, U. *see* Krzywicki, A. 9—89110
Sukhenko, E.P., Kizel, V.A., Tishchenko, V.G. Critical case of manifestation of smectic order in the cholesteric mesophase 9—95145
Sukhodol'skaya, E.Ya. *see* Gershbein, E.A. 9—84630
Sukhodol'skii, A.T. *see* Polivanov, Yu.N. 9—76747
Sukhodol'skii, S.L. *see* Gershbein, E.A. 9—84630
Sukhomlin, E.A., Ternopol, A.M., Perepelkin, N.F., Bocharov, V.K. Effect of collective interactions in a high-current discharge 9—55603
Sukhorukov, B.I. *see* Gumenyuk, V.A. 9—92439
Sukhorukov, V.V., Rodin, A.A. Prospects for using microprocessors and microcomputers in nondestructive testing instruments 9—91891
Sukhov, A.D. *see* Babykin, M.V. 9—68945
Sukhov, E.G. *see* Bogatov, A.P. 9—64228
Sukhov, L.V. *see* Belovitskii, G.N. 9—75989
Sukhovarov, V.F., Svitich, Yu.V. Subgrain structure due to discontinuous precipitation of the γ'-phase in deformed alloys 9—52218
Sukhovarov, V.F., Svitich, Yu.V. Cell boundaries of discontinuous γ'-phase precipitates formed during aging in a highly-deformed alloy 9—87641
Sukhoveev, S.P. *see* Krasnokutski, V.V. 9—97829
Sukhovich, Ye.P. Convective heat transfer from a confined jet in a centrifugal force field 9—98720
Sukhovich, Ye.P. *see* Mel'nikov, V.K. 9—94609
Sukhovskii, A.A., Moskvich, Yu.N., Lundin, A.G. Study of molecular order in a nematic liquid crystal of n-(p-ethoxybenzylidene)-p'-n-butylaniline by means of the ^{13}C-^1H double resonance 9—60275
Sukiasyan, S.S., Vardanyan, R.L. Features of dielectric absorption in several ethers of cholesterin 9—50984
Sukiennicki, A. *see* Zagorski, A. 9—56487
Sukonkina, E.A., Livenson, A.R., Ogurtsov, Yu.N., Dotsinski, I., Petrova, M., Netsov, A. Tonus-2 portable apparatus for diadynamic current therapy 9—57809
Sukov, A.I. *see* Kolokolov, A.A. 9—81478, 9—86206
Sukstanskii, A.L. *see* Gurevich, V.A. 9—73770
Sukumar, C.V. Schrodinger equation in momentum space 9—92972
Sukumar, C.V. *see* Connor, J.N.L. 9—89084
Sulak, L., Armstrong, T., Baranger, H., Bregman, M., Levi, M., Mael, D., Strait, J., Bowen, T., Pifer, A.E., Polakos, P.A., Bradner, H., Parvulescu, A., Jones, W.V., Learned, J. Experimental studies of the acoustic signature of proton beams traversing fluid media 9—59317
Sulak, L. *see* Entenberg, A. 9—54333
Sulak, L. *see* Weng, W.T. 9—72062
Sulak, L.R. The acoustic detection of hadronic showers induced by cosmic neutrinos 9—76265
Sulak, L.R. *see* Claudson, M. 9—49448
Sulakov, V.P. *see* Alekseev, E.N. 9—80163, 9—80164
Sulakov, V.P. *see* Dzhappuev, D.D. 9—53688
Sulc, M. Determination of the real luminosity function of meteors from the apparent function using the least-squares method 9—80231
Suleebka, K.P. High temperature solar thermoelectric generator 9—74534
Suleiman, M. *see* Boeck, H. 9—76115
Suleimanov, M. *see* Anoshin, A.I. 9—89213
Suleimanov, M.K. *see* Angelov, N. 9—59094, 9—89335
Suleimanov, R.A. *see* Belen'kii, G.L. 9—51483, 9—83022
Suleimanov, S.M. *see* Yakubovskii, A.Yu. 9—69729
Suleimanov, Yu.M., Teslenko, S.I., Andreev, V.M., Oplesnin, V.L. Separation of the luminescence spectra of GaN:Zn epitaxial films into individual bands by excitation in the impurity absorption region 9—74002
Suleimanov, Yu.M. *see* Grekhov, V.M. 9—52009
Suleimanova, M. *see* Azimov, S.A. 9—80836
Suleimanova, M.M. *see* Il'gamov, M.A. 9—77152
Sulem, C., Frounier, J.-D., Frisch, U., Sulem, P.-L. Remarks on a one dimensional model for MHD turbulence 9—50803
Sulem, P.L., Fournier, J.D., Frisch, U., Rose, H. Crossover dimensions for fully developed turbulence 9—50713
Sulem, P.L. *see* Bardos, C. 9—94594
Sulem, P.-L. *see* Sulem, C. 9—50803
Suleman, B. *see* Bhaskar, N.D. 9—89974
Sulentic, J.W. *see* Arp, H. 9—53904, 9—53927
Suleymanov, N.M., Kharakhashyan, E.G., Drulis, H., Stalinski, B. Applications of EPR methods to the study of phase diagrams. EPR of Gd ions in the PdH_x system 9—87608
Suliciu, I. *see* Mihailescu-Suliciu, M. 9—92940
Sulima, V.S. Some features of the current-voltage characteristics of thin superconducting films in a microwave field 9—69631
Sulimov, V.V. *see* Baturin, V.N. 9—85477
Sulin, V.A. *see* Burdanov, N.G. 9—94712
Sulkes, M. *see* Tusa, J. 9—64081
Sul'kin, A.G., Elisyutin, G.P., Yainberg, M.Sh. Temperature distribution in the radiation head of a gamma-teletherapy unit 9—72790
Sulkovskaya, M.M. *see* Bel'kov, A.A. 9—71763
Sulkowski, C. Superconducting transition temperature and electronic properties of indium alloys 9—56345
Sulla-Petrovskii, Yu.R. *see* Alekseev, E.N. 9—80163, 9—80164
Sullivan, A.H. *see* Hendry, J.H. 9—96630
Sullivan, D. *see* White, D.H. 9—53953
Sullivan, D.A. *see* Thompson, P.A. 9—95119
Sullivan, D.B. *see* Zimmerman, J.E. 9—67307
Sullivan, D.J. Autoacceleration via virtual cathode oscillation 9—72026
Sullivan, D.J., Roderick, N.F. Simulation of space-charge limiting current in relativistic electron beams 9—59626
Sullivan, E.J., Jr. Reply to 'Shading of acoustic and antenna arrays' [J. Acoust. Soc. Am. 66, 916 (1979)] 9—98553
Sullivan, G.J. *see* Partain, L.D. 9—56217
Sullivan, G.W. *see* Lucht, R.A. 9—76475
Sullivan, H.F. *see* Balakrishnan, A.R. 9—57489

Sullivan, J.D., Bagenal, F. In situ identification of various ionic species in Jupiter's magnetosphere 9—96955
Sullivan, J.D. *see* DeWitt, R.J. 9—63479
Sullivan, J.D. *see* Lo, C.Y. 9—97585
Sullivan, J.D. *see* McNutt, R.L., Jr. 9—96957
Sullivan, J.F. *see* Durig, J.R. 9—89663
Sullivan, J.T. *see* Farrell, R.A. 9—80543
Sullivan, J.W. A method for modeling perforated tube muffler components. I. Theory 9—98543
Sullivan, J.W. A method for modeling perforated tube muffler components. II. Applications 9—98544
Sullivan, M.O. *see* O'Handley, R.C. 9—73792
Sullivan, N.B., Egan, J.J., Kegel, G.H.R., Harihar, P. Neutron inelastic scattering in silicon-28 to 4.15 MeV 9—59058
Sullivan, N.S., Devoret, M. Nuclear spin-lattice relaxation and evidence for a low temperature phase transition in solid n-D_2 9—56022
Sullivan, P.J. *see* Chatwin, P.C. 9—50774, 9—94602
Sullivan, P.J. *see* Dewey, R. 9—98811
Sullivan, R.A.L., Hopkins, J.C. The seismic refraction technique 9—97161
Sullivan, T.E. *see* Tongson, L.L. 9—78173
Sultan, S. *see* Chaghtai, S.A. 9—74728
Sultanov, T.I. *see* Nasibov, I.O. 9—87621
Sulton, A.L., Jr. *see* McBride, J.B. 9—98962
Sulzmann, K.G.P., Kline, J.M., Penner, S.S. Empirical determinations of the effective absorption coefficients for the NO γ-bands at 2250 Å and the ν_3-fundamental of N_2O at 4.52 μ 9—64799
Sum, A., Corones, J. Lie-group explanation of geometric interpretations of solitons 9—54266
Sumarokov, V.N. *see* Murashko, R.E. 9—100098
Sumarokova, N.V. *see* Kolchin, O.P. 9—99326
Sumerin, V.V. *see* Abil'siitov, G. 9—94254
Sumetskii, M.Yu., Dubrovskii, G.V. Tunnelling through axially symmetric potential barrier 9—58588
Sumi, H. Theory of electrical conduction in organic molecular crystals: temperature-independent mobilities 9—69509
Sumi, K. *see* Fujiyama, M. 9—94578
Sumi, K. *see* Kousaka, Y. 9—52782
Sumi, K. *see* Nakamura, H. 9—96417
Sumi, K. *see* Yasuda, N. 9—99815
Sumi, M. *see* Tanaka, T.P. 9—76848
Sumi, S. *see* Iwasaki, T. 9—83486
Sumi, S. *see* Tien-Kai Li 9—57262
Sumi, Y. *see* Baba, K. 9—75972
Sumichrast, L., Chytil, B. Dependence of the amplitude and phase time fluctuations spectra on the turbulence spectra parameters. I. Plane wave 9—55029
Sumida, I. *see* Murata, F. 9—59185
Sumida, I. *see* Yamamoto, H. 9—63732, 9—97747
Sumida, S., Obara, M., Fujioka, T. Novel neutral atomic fluorine laser lines in a high-pressure mixture of F_2 and He 9—86167
Sumin, L.V. Formation of Na_2Cl^+ ions in exposure of hot tungsten and rhenium surfaces to a sodium chloride beam 9—56907
Sumin, L.V. Gradual change in the surface structure of a hot tungsten emitter 9—65971
Sumin, V.I., Taranov, O.G., Livshits, B.G. Metastable equilibrium in YuNDK35T5 alloy in its high-coercivity state 9—52161
Sumin, V.I. *see* Livshits, B.G. 9—87668
Sumino, K. Dislocation mobility and mechanical behaviour of Si crystals 9—82208
Sumino, Y. *see* Okajima, S. 9—60527
Sumita, K. *see* Takahashi, A. 9—67936
Sumita, O., Fukuda, A., Kuze, E. An ESR study of polymer-Cu (II) complexes in poly(vinyl alcohol), polyacrylamide, and poly(vinyl pyrrolidone) films 9—61199
Sumita, O. *see* Higashi, F. 9—91612
Sumitomo, H., Hashimoto, K., Ohyama, T. Water permeation and solute rejection behaviors of a novel hydrophilic polyamide membrane 9—74419
Sumitomo, H. *see* Kobayashi, K. 9—74418
Sumitomo, H. *see* Matsukura, T. 9—70376
Sumitomo, H. *see* Matsuoka, Y. 9—52970
Sumiyama, K., Shiga, M., Morioka, M., Nakamura, Y. Characteristic magnetovolume effects in Invar type Fe-Pt alloys 9—82855
Sumiyama, K., Shiga, M., Nakamura, Y. Magnetovolume effects in Fe-Pt Invar alloys 9—56597
Sumiyama, K. *see* Caporaletti, O. 9—56517
Sumiyama, K. *see* Muraoka, Y. 9—65221
Sumiyama, K. *see* Nakamura, Y. 9—91278
Sumiyama, K. *see* Shigematsu, T. 9—56634
Sumiyoshi, H. *see* Kanai, K. 9—97634
Sumiyoshi, H. *see* Kinoshita, K. 9—59042
Sumiyoshi, T. *see* Ikeda, H. 9—58967
Summ, B.D. *see* Goryunov, Yu.V. 9—87757
Summa, F.G. *see* Bellucci, F. 9—96366
Summerer, K. *see* Kratz, K.-L. 9—93559
Summers, A. *see* Cassen, P. 9—84690
Summers, G.P. *see* Draeger, B.G. 9—61409
Summers, H.P., McWhirter, R.W.P. Radiative power loss from laboratory and astrophysical plasmas. I. Power loss from plasmas in steady-state ionisation balance 9—82063
Summers, H.R., Wigen, P.E. Boundary effects in magnetic insulator thin films 9—78447
Summers, J.R., Hins, A.G., Hall, M.M., Jr. Fabrication of in-reactor creep capsules using previously irradiated cladding tubes 9—54478
Summers, M.K. Physics CAL with microcomputers 9—62972
Summers, R.E. *see* Shrivastava, P.N. 9—83944
Summerside, P. Plasmon dispersion in two-metal systems 9—82656
Summerside, P., Mahanty, J. Retarded dispersion interaction between metals 9—69452
Sumrov, V.V. Kinetics of photoconductivity of amorphous As_2S_3 near the fundamental absorption edge 9—56263
Sumrov, V.V. Thermally stimulated conductivity in chalcogenide glasses As_xS_{100-x}, As_xSe_{100-x} 9—91074
Sumrov, V.V., Kozlov, V.M. Band gap and neighbouring order in As_xS_{100-x} chalcogenide glasses 9—60694
Sumski, S. *see* Abrams, E.B. 9—90694
Sun, B.K., Earles, D.R. Two-phase level swell calculation using the drift flux correlation 9—89428
Sun, K.H. *see* Duffey, R.B. 9—89425
Sun, S.-S., Nesbitt, R.W., Sharaskin, A.Ya. Geochemical characteristics of mid-ocean ridge basalts 9—88316
Sun, T.S., Chen, J.M., Viswanadham, R.K., Green, J.A.S. Surface activities of Mg in Al alloys 9—86975
Sun, T.S. *see* Beck, W.A. 9—99434
Sun, T.S. *see* Venables, J.D. 9—70203
Sun, X., Wu, F.Y. Critical polarisation of the modifed F model 9—93058
Sun, Y.-C. *see* Karney, C.F.F. 9—73006
Sun, Y.H. *see* Bari, R.A. 9—49760, 9—81022
Sun Chuan-ching, Tsung Shu-fen A new dual flames photometric detector 9—71506
Sun Dian-qing, Wu Xi-hao, Pu Qing-yu A preliminary discussion of Quaternary glaciations and their stratigraphical positions in China 9—79885
Sun I-min *see* Shen Nai-cheng 9—59717
Sun Ke Huang, Xi-cheng, Luo He-lie Magnetic fluids and their application 9—83518
Sun Kwok *see* Feldman, P.A. 9—67025
Sun Ping *see* Lai Zeng-mei 9—64602
Sun Shao-Tang *see* Shao-Tang Sun
Sun Tian-xi *see* Wang Ren-hui 9—73072
Sun Xin The collective excitation in charged surface layer 9—51646
Sun Xin, Li hong-fang The soliton in solids with chain structure 9—90931
Sun Yi-Sui, Luo Din-Jun Some problem of the regions of motion of general three-body problem 9—80206
Sun Zin Bound states composed of the baryon and the monopole 9—63340
Suna, A., Tait, R.H. Ultraviolet photon induced secondary electron emission from TiO_2: theory and experiment 9—52079
Suna, A. *see* Tait, R.H. 9—78835
Sunada, D.K. *see* Ortiz, N.V. 9—84327
Sunada, H., Wadsworth, J., Lin, J., Sherby, O.D. Mechanical properties and microstructure of heat-treated ultrahigh carbon steels 9—57012
Sunaga, H. *see* Tanaka, R. 9—90700
Sunagawa, I. *see* Kitamura, M. 9—73177
Sunak, H.R.D. Pulse dispersion measurements in conventional Selfoc fibers 9—64305
Sunakawa, S. *see* Yamasaki, S. 9—71361, 9—71362
Sunakawa, T. *see* Kondo, K. 9—65476
Sunandana, C.S. On the electrical resistivity of chevrel phases 9—56221
Sunaric, S.M. An application of semi-free gas on collective coordinates models on fermion systems 9—54040
Sundara Raja Iyengar, K.T., Raman, P.V. Free vibration of rectangular beams of arbitrary depth 9—98647
Sundaram, K., Radhakrishnan, R. A computer program for topographic analysis of biomolecular systems 9—88050
Sundaram, K., Srinivasan, S. Computer simulated modeling of biomolecular systems 9—88049
Sundaram, S., Ibrahim, S.H. A new correlation to predict the latent heat of vaporization at the normal boiling point 9—86881
Sundaram, V.S. *see* Kelley, M.J. 9—82423
Sundararaman, M., Mukhopadhyay, P. The microstructure of an arc-melted Ti-27.3 wt.% Al alloy 9—61577
Sundareswaran, A. *see* Bhattacharyya, J.C. 9—53725
Sundberg, K.R., Bicerano, J., Lipscomb, W.N. Variationally deorthogonalized localized molecular orbitals 9—97968
Sunde, J. *see* Isaksen, I.S.A. 9—53512
Sundelin, R.M. Synchrobetatron oscillation driving mechanism 9—72108
Sundelin, R.M. *see* Billing, M.G. 9—72164
Sundell, E. *see* Bakken, V. 9—63549
Sundelof, L.O. *see* Roots, J. 9—95195
Sundelof, L.-O. *see* Laurent, T.C. 9—57567
Sunden, B. A theoretical investigation of the effect of freestream turbulence of skin friction and heat transfer for a bluff body 9—86413
Sundermann, J. *see* Brosche, P. *(editor)* 9—88234
Sundfors, R.K. *see* Fedders, P.A. 9—61242
Sundfors, R.K. *see* Ringermacher, H.I. 9—51867
Sundgren, J.E. *see* Nilsson, H.T.G. 9—65344
Sundius, T. Molecular torsion: comparison of harmonic oscillator and free rotor bases 9—72232
Sundquist, M.J. *see* Wiggert, D.C. 9—77194
Sundqvist, B. Low-energy three- and four-nucleon scattering experiments 9—80945
Sundqvist, B., Rapp, O. Measurement of the pressure dependence of the electron-photon interaction in aluminium 9—95106
Sundqvist, B. *see* Glantz, L. 9—76008
Sundstrom, B. *see* Fransson, K. 9—49605
Sundstrom, B.O. *see* Huldt, L. 9—87502
Sundstrom, L.J. Low temperature heat capacity of the rare earth metals 9—69263
Sundstrom, L.J. *see* Watts, B.R. 9—60684
Sundstrom, O., Torronen, K. The use of Barkhausen noise analysis in nondestructive testing 9—70261
Sundukov, A.N., Postnikova, M.A., Zvereva, K.V., Ivanov, P.A. Thermal factors involved in rheology of blood of healthy persons and of persons suffering from myocardial infarcts 9—79573
Sung, C.C. *see* Fowler, B.W. 9—76555
Sung, C.G. *see* Bowden, C.M. 9—81402
Sung, K.M. *see* von Kuttruff, H. 9—98576
Sung, S.H. *see* Hickling, R. 9—81624
Sung Cheng-shan *see* Chou Ming-yu 9—84415
Sung Cheng-shan *see* Lee Kuo-ching 9—74937
Sung Lee Yang *see* Yang Sung Lee
Sung Mu Hong *see* Hong Sung Mu
Sung Nak-Ho *see* Nak-Ho Sung
Sung-cheng Huang *see* Phelps, M.E. 9—66525
Sung-Hwan Ko, Sherman, C.H. Flexural wave baffling 9—90069
Sung-Hwan Ko *see* Strawderman, W.A. 9—94398
Sung-Sheng Chang Quantization of Yang-Mills fields by separation of gauge variables 9—67474
Sung-Sheng Dung *see* Dung Sung-Sheng
Sungurov, A.Yu., Ostashevsky, I.Ya. Fluoresence study of thymus lymphocytes of X-irradiated mice and their progeny 9—66491
Sungurovskii, M.A., Besedovskii, R.Z. Synchronization of the lighting of pumping lamps in a laser with modulated quality 9—68403
Sungurovskii, M.A. *see* Besedovskii, R.Z. 9—72585
Sunier, J.W., Poore, R.V., McMillan, D.E. A multiparameter data acquisition and display program 9—89547
Sunier, J.W. *see* Cindro, N. 9—67629
Sunier, J.W. *see* Hanson, D.L. 9—63585
Sunier, J.W. *see* McMillan, D.E. 9—89541
Sunier, J.W. *see* Peng, J.C. 9—63694
Sunier, J.W. *see* Straume, O. 9—67626
Sunier, J.W. *see* Viano, J.B. 9—93652
Sunita Singh *see* Rangarajan, L.M. 9—81575
Sunjic, M. Electronic structure of metallic surfaces 9—56909
Sunjic, M. *see* Lenac, Z. 9—51511
Sunjic, M. *see* Sokcevic, D. 9—56151, 9—61493
Sunming Cheung *see* Friedman, R.B. 9—57816
Sunta, C.M. Mechanism of phototransfer of thermoluminescence peaks in natural CaF_2 9—83040
Suntay, W.J., Grood, E.S., Noyes, F.R., Butler, D.L. A coordinate system for describing joint position 9—92269
Suntsov, N.V., Miloslavs'kii, A.G. The influence of sulphur on the cerium dioxide electrical properties 9—51566
Sunyaev, R.A., Trumper, J. Hard X-ray spectrum of Cyg X-1 9—71156
Sunyaev, R.A. *see* Pozdnyakov, L.A. 9—66916
Suortti, P. Scattering of X-rays near the K absorption edge. I. Fluorescence and resonant Raman scattering in transition metals 9—52042
Suortti, P. Scattering of X-rays near the K absorption edge. II. Dispersion factors f' and f'' 9—65954
Suortti, P., Ahtee, M., Unonius, L. Voigt function fit of X-ray and neutron powder diffraction profiles 9—86651
Sup Choi Hyung *see* Hyung Sup Choi
Suparb Na Chiengmai *see* Lundqvist, H. 9—79649
Supawan, A. *see* Kleykamp, H. 9—52742
Supe, S.J. *see* Srivastava, J.K. 9—49903
Supino, G. A comparative theorem for surface waves 9—50745
Suponeva, Ye.P., Kiselev, B.A., Yevstigneyev, V.B., Yerokhin, Yu.Ye. Polarographic investigation of chlorophyll in aqueous solutions of detergents and as part of the chlorophyll-protein complex 9—57565
Suppa, E., Atzei, A., Crabb, R., Larue, J. Predicted and in-orbit performances of ESA-sponsored solar arrays of the late 70s 9—96478
Suppa, E. *see* Champion, P.A. 9—96475
Supple, J.P. *see* Bagchi, S.N. 9—55640
Suprun, I.T. Frequency dependence of transient dislocational internal friction 9—65092
Suprun, N.N. *see* Golubev, L.I. 9—97833
Suptitz, P. *see* Lebedev, E.A. 9—55939

Sur, A., Hui, A.K., Tellinghuisen, J. Noble gas halides. The B→X and D→X systems of $^{136}Xe^{35}Cl$ 9−59482
Sur, S.K., Mukherjee, S.C. Calculation of proton-impact excitation of helium using the Glauber approximation 9−54959
Sura Reddy, G. Cryogenic valves 9−71462
Sural, D.P. *see* Mukherjee, A. 9−72419
Sural, D.P. *see* Verma, S.P. 9−93547
Suran, G., Prasad, S. Evidence for an impurity like relaxation mechanism in oxygen contaminated amorphous YCo_3 films 9−73820
Suran, G., Sztern, J., Battarel, C.P., Morille, R. F.M.R. characterization of exchange-coupling between a soft and a hard magnetic film 9−78448
Suran, G. *see* Prasad, S. 9−73822
Suran, V.V. *see* Aleksakhin, I.S. 9−54822
Suranov, G.I., Koptyaeva, G.B. Impact interaction of microroughnesses of rubbing surfaces 9−100265
Suranyi, P. Field theories for cross sections and their classical solutions 9−49388
Suranyi, P. Classical, cross-section generating solutions of field equations 9−97488
Suranyi, P. *see* Halliday, I.G. 9−88836
Surda, A. On the lattice dynamics of disordered surfaces 9−60616
Surdej, A., Surdej, J. Photoelectric lightcurves and rotation period of the minor planet 148 Gallia 9−101105
Surdej, A. *see* Duerbeck, H.W. 9−58372
Surdej, A. *see* Schuster, H.E. 9−101106
Surdej, J. *see* Duerbeck, H.W. 9−58372
Surdej, J. *see* Schuster, H.E. 9−101106
Surdej, J. *see* Surdej, A. 9−101105
Surdin, V.G. Evolution of globular clusters and the origin of galactic halo stars 9−58388
Surdo, C.Lo *see* Lo Surdo, C.
Sureau, A. *see* Guennou, H. 9−59384
Surek, S. *see* Morency, D.G. 9−56056
Surek, T. *see* Hari Rao, C.V. 9−61982
Surender, Ch. *see* Ojha, K.P. 9−89455
Surendra Singh *see* Hioe, F.T. 9−76720
Suresh, K.A. *see* Chandrasekhar, S. 9−86699
Surette, B.A. *see* Wood, J.C. 9−67857
Surget, J., Delery, J., Lacharme, J.-P. Holographic interferometry applied to the metrology of gaseous flows 9−86542
Surgier, A. American proposals for long range storage or irradiated fuel 9−49709
Surguchev, A.N. *see* Seleznev, V.A. 9−52516
Surgucheva, A.I. *see* Gunyaev, G.M. 9−87699
Suri, J.K. *see* Gambhir, Y.K. 9−89253
Suri, K.K. *see* Sharma, A.K. 9−54387
Suri, K.K. *see* Verma, H.R. 9−85401
Suri, R.K., Chandra, S., Krishnamurthy, M.V., Srinivasamurthy, S., Berndorfer, K., Hopmann, H., Wolf, D. Development of small solar power plants for rural areas in India 9−61956
Suri, S.K. Electro-medical instrument maintenance 9−96684
Suri, S.K. *see* Gupta, R.G. 9−78509
Surikov, V.V. *see* Astakhov, I.I. 9−61869
Surikov, V.V. *see* Mager, S. 9−56520
Suris, R.A. *see* Gergel', V.A. 9−69533
Suris, R.A. *see* Vlasenko, E.V. 9−51683
Surko, C.M., Simons, A.L., Auston, D.H., Golovchenko, J.A., Slusher, R.E., Venkatesan, T.N.C. Calculation of the dynamics of surface melting during laser annealing 9−69918
Surko, C.M., Simons, A.L., Auston, D.H., Golovchenko, J.A., Slusher, R.E., Venkatesan, T.N.C. Calculation of the dynamics of surface melting during laser annealing 9−74023
Surko, C.M. *see* Auston, D.H. 9−69121, 9−78796
Surko, C.M. *see* Venkatesan, T.N.C. 9−73198, 9−95036
Surko, P. *see* Clark, A.R. 9−75779
Surkov, A.V. *see* Novozhilov, N.M. 9−87614
Surkov, Yu.A., Koelsov, G.M., Ivanov, I.N., Shpanov, A.P. Chemical composition of the regolith from Mare Crisium 9−62767
Surkov, Yu.A., Moskaleva, L.P., Manvelyan, O.S. Calculation of the γ-ray quantum flux variation of the Moon and Mars as a function of relief and distance to the surface 9−80249
Surkova, K.I. *see* Verenkova, E.M. 9−79151
Surkova, V.F. *see* Buzhinskii, I.M. 9−94309
Surles, J.R. *see* Liepins, R. 9−52148
Surma, M. Cyclotron resonance in molybdenum by transmission and identification of carriers on the molybdenum Fermi surface 9−60685
Surma, M. Pulse high magnetic field magnetoresistance measurements in In_3Sn alloys 9−73493
Surma, M., Lebech, J., Saermark, K. Cyclotron effective mass and identification of carriers on the Fermi surface of molybdenum 9−65372
Surmeian, A. *see* Bobulescu, R.C. 9−87917
Surnev, L., Tikhov, M. Adsorption and electric measurements on germanium (111) surfaces covered with potassium and cesium 9−90880
Surogina, V.A. *see* Kustov, E.F. 9−78062
Surov, Yu.I., Povolotskii, E.G., Bogatin, Ya.G. Orientability of $SmCo_5$ alloy powders 9−100168
Surovennyy, V.G. *see* Aleksandrovich, G.Ye. 9−81640
Surovova, V.N., Ovsyannikov, B.M., Ivanov, A.G. Effect of sulfur content on the resistance to fracture of low-alloy pipe steel 9−96128
Surovtsev, B.P. Principles for combining geological and geophysical methods in connection with prospecting shallow structures 9−62623
Surowiak, Z., Dets, Ya., Gavrilyachenko, V.G., Semenchev, A.F., Fesenko, E.G. Formation of domain structure in $PbTiO_3$ crystals during jump-like motion of a phase boundary 9−69794
Surowiak, Z., Dytry, R. Dielectric and semiconductor properties of (Ba, Sb)TiO_3 ferroelectric thick films 9−91388
Surowiak, Z., Skulski, R., Gavrilyachenko, V.G., Semenchev, A.F., Fesenko, E.G. Planar phase boundaries in barium titanate crystals 9−69795
Surprenant, J.K. *see* Rauh, R.D. 9−100510
Surratt, G.T., Kunz, A.B. Theoretical study of H chemisorption on NiO. Perfect surfaces and cation vacancies 9−69351
Surry, C. *see* Labbe, P. 9−72819
Survila, E., Andrews, D.P. Comparison of water sealing and steam sealing of anodic oxide coatings on aluminium 9−96228
Survila, V.Yu. *see* Poshkas, P.C. 9−94583
Survila, V.Yu. *see* Poshkas, P.S. 9−94619
Survila, V.Yu. *see* Zukauskas, A.A. 9−98707
Suryanarayana, C. *see* Sastry, G.V.S. 9−51054
Suryanarayana, C. *see* Tiwari, S.K. 9−61622
Suryanarayana, C.V. *see* Gopinathan, K.K. 9−83005
Suryanarayana, C.V. *see* Kuppusami, J. 9−67404
Suryanarayana, M. *see* Prasad, O.H. 9−51184
Suryanarayana, S.V. *see* Sadanandam, J. 9−77782
Suryanarayana Rao, K. *see* Shanbhag, P.V. 9−81209
Suryanarayana Sastry, V.S. *see* Kasthuri Rengan, S. 9−93188
Surzhko, V.F. *see* Zhmudskii, A.Z. 9−91538
Sus, F., Krtil, J., Klosova, E., Bulovic, V., Maksimovic, Z. Determination of isotopic composition and concentration of uranium, plutonium and neodymium by mass-spectrometric isotope dilution in the irradiated fuel of the Czechoslovak atomic power station A-1 9−89373
Sus, F. *see* Krtil, J. 9−63746
Susa, N., Yamauchi, Y., Kanbe, H. Planar photodiodes made from vapour-phase epitaxial $In_xGa_{1-x}As$ 9−49286
Susaki, W., Ishii, M., Takamiya, S., Ikeda, K., Namizaki, H. TJS laser diodes with low threshold current and single-mode operation 9−86188
Susaki, W. *see* Namizaki, H. 9−86186
Susaki, W. *see* Oomura, E. 9−64224
Susane, J.B. *see* Jayaraman, S. 9−62372
Sushchenina, A.G. Light-fast colored anodization of aluminum alloys without the use of organic dyes 9−79176
Sushchii, S.M. *see* Biryukov, A.V. 9−80074
Sushchik, M.M. *see* Babin, A.A. 9−72629
Sushchinskii, M.I. *see* Gorelik, V.A. 9−78678
Sushchinskii, M.M. *see* Gorelik, V.S. 9−56784
Sushchinskii, M.M. *see* Khalezov, A.A. 9−95779
Sushchiy, S.M. *see* Danilkin, N.P. 9−53628, 9−58153
Sushida, K. *see* Yamazaki, I. 9−86000, 9−89008
Sushil Auluck *see* Ravindra, N.M. 9−82520
Sushkevich, T.N. *see* Belyi, N.M. 9−69433, 9−73950
Sushkin, V.N. A tunable open resonator with cylindrical mirrors 9−90024
Sushkin, V.N. *see* Asinovskii, E.I. 9−89884
Sushko, V.N. Fermionization of the $(\sin\phi)_2$ interaction in a box 9−88840
Sushkov, V.P. *see* Vavilov, V.S. 9−52027
Susic, M., Petranovic, N., Bojovic, S. The electric and thermal properties of solid electrolytes−zeolites 9−55925
Susila, S. *see* Srinivasa Rao, K. 9−85455
Susinno, G. *see* Barone, L.M. 9−80835
Suski, J., Rzewuski, H. Ionization-enhanced crystallization of phosphorus implanted silicon layers 9−51151
Suski, T., Baj, M., Zuczkowski, W., Kobayashi, K.L.I., Komatsubara, K.F. Pressure induced phase transition in PbSnTe 9−65809
Susko, M. Electrets used in measuring rocket exhaust effluents from a space shuttle model 9−53548
Suslenkova, R.M. *see* Pogrebnyak, Yu.V. 9−87900
Suslikov, L.M., Gerasimenko, V.S., Shpirko, G.N., Slivka, V.Yu., Knyazev, A.S. Reflection spectra of Ag_3SbS_3 9−65862
Suslikov, L.M., Nebola, I.I., Peresh, E.Yu., Voroshilov, Yu.V., Bercha, D.M., Slivka, V.Yu. Optical phonons in $CdGa_2S_4$ 9−73951
Suslina, L.G., Plyukhin, A.G., Fedorov, D.L., Areshkin, A.G. Broadening of exciton states in solid solutions of semiconductors 9−73449
Suslina, L.G. *see* Areshkin, A.G. 9−90972
Suslov, A.A. *see* Volodichev, N.N. 9−62694
Suslov, A.M. *see* Balakshii, V.I. 9−59832
Suslov, N.I. *see* Barannikov, A.L. 9−55579
Susnik, D. *see* Pejovnik, S. 9−95959
Suss, R. *see* Glatte, R. 9−97406
Susse, K.E. *see* Schubert, M. 9−98019
Susse, K.-E. *see* Paerschke, H. 9−79262
Sussi, I.R., Fridman, V.M. Solution of the problem of motion of a journal on an oil film by the partition method 9−68662
Susskind, J. *see* Rosenberg, A. 9−72299, 9−93969
Susskind, L. Coarse grained quantum chromodynamics 9−80813
Susskind, L. The phases of a gauge theory 9−97486
Susskind, L. *see* Dimopoulos, S. 9−75709
Susskind, L. *see* Fischler, W. 9−49468
Susskind, L. *see* Hamer, C.J. 9−71378
Sussman, H.M., Westbury, J.R. A laterality effect in isometric and isotonic labial tracking 9−57625
Sussman, H.M. *see* MacNeilage, P.F. 9−70559
Sussmann, H., Heiliger, W. The anisotropy of the thermoelectric properties of p-$Sb_xBi_{2-x}Te_3$ 9−51618
Susta, J. *see* Bothe, W. 9−68000
Sustavov, A.F. *see* Bel'kov, A.A. 9−71763
Susuki, Y., Toth, K. On the role of some subgroups of the Poincare group in models of high-energy physics. I 9−97530
Susuki, Y., Yamamoto, H. On the scaling deviations of $e(\mu)$-p deep inelastic scattering 9−58966
Sutadhar, S.K., Chattopadhyay, D. Thermoelectric power of n-GaAs 9−60857
Sutanto Real time measurements of rough object vibration by imaging of Gaussian illumination 9−97356
Sutcliffe, P.R. Dependence of Pc 5 micropulsation power on conductivity variations in the morning sector 9−62687
Suter, H. *see* de Groot, J.G.H. 9−49462, 9−49521, 9−75764, 9−85292
Suter, J.M. *see* Bonnard, P. 9−56384
Suter, M., Bonani, G., Jung, H., Stoller, Ch., Wolfli, W. A digitally controlled scanning microprobe for trace element analysis 9−52801
Suter, P. *see* Abdelrahman, M. 9−66415
Suter, R.M., Hohenemser, C. Review of measurements of critical exponent beta in simple magnetic systems 9−73732
Sutera, A. *see* Benzi, R. 9−70884
Sutera, A. *see* Marziano, G.L. 9−88394
Sutherland, D.G. Quark hotspots as a Centauro scenario 9−67618
Sutherland, H.H. *see* Hagston, W.E. 9−65405
Sutherland, H.J. *see* Chhabildas, L.C. 9−99268
Sutherland, H.J. *see* Smaardyk, J.E. 9−93787
Sutherland, J.B. *see* Gusdal, M.I. 9−54695
Sutherland, J.W. *see* Fogel, L.D. 9−66307
Sutherland, L.C. Indoor noise environments due to outdoor noise sources 9−76911
Sutherland, L.C., Bass, H.E. Influence of atmospheric absorption on the propagation of bands of noise 9−98524
Sutherland, P.G. Pulsar radiation 9−97015
Sutherland, R.A. *see* Bill, R.G., Jr. 9−88400
Sutherland, R.G. *see* Sehgal, C. 9−60437
Sutherland, R.L. *see* Heer, C.V. 9−81493
Sutherland, RM., Marton, J.P., MacDonald, J.C.F., Howell, R.L. Effect of weak magnetic fields on growth of cells in tissue culture 9−62271
Sutherland, S.H., Allen, G.C., Jr. High-level defense waste and spent-fuel characterization for geologic waste repositories 9−89410
Sutherland, S.H., Freedman, J.M., Allen, G.C., Jr., Renken, J.H., Dupree, S.A. Waste transportation systems 9−59205
Sutherland, W.H. Mechanisms of energy release from black holes 9−75242
Sutieti, G. *see* Kanai, K. 9−89331
Suto, A. Dual transformation for Ising spin glasses 9−73763
Suto, H., Murakami, T. On the grain boundary embrittlement in an aged 12Ni-6Mn-Fe martensite 9−96144
Suto, H. *see* Hanai, Y. 9−79088
Suto, H. *see* Matsuyama, T. 9−78981
Suto, H. *see* Yoshida, M. 9−61593
Sutoh, T., Sekine, H., Mizuide, M. An investigation of transient characteristics and a development of the Law-Novotny expression of the induction generator type accelerometer 9−88921
Sutovskiy, S.M. *see* Zolotarev, V.M. 9−52968
Sutphin, H.D. *see* Lieber, A.J. 9−49307
Sutter, D.H. *see* Dossel, K.-F. 9−54847, 9−54909
Sutter, R. *see* Marlow, D. 9−85564
Sutton, A.P. *see* Vitek, V. 9−60383
Sutton, C. Jupiter's enigmatic variations 9−84738
Sutton, C. *see* Bussey, P.J. 9−75778, 9−80829
Sutton, C.M. The rotational frequency dependence of a pressure balance 9−54151
Sutton, D. *see* Castano, F. 9−86049
Sutton, D.C. *see* Axel, P. 9−72042
Sutton, D.G. *see* Steinfield, J.I. 9−86030
Sutton, E.C., Betz, A.L., Storey, J.W.V., Spears, D.L. The brightness distribution of IRC+10216 at 11 microns 9−67115
Sutton, G.W., Douglas-Hamilton, D.H. CO_2 (10.6-μm) atmospheric propagation enhancement due to off-line center tuning 9−84472

Sutton, J. Evolution of the continental crust 9—84201
Sutton, J. *see* Coates, G. 9—100655
Sutton, J.L. Underwater acoustic imaging 9—64462
Sutton, J.L. Real-time signal processing in underwater acoustic imaging 9—90089
Sutton, J.L., Leovy, C.B., Tillman, J.E. Diurnal variations of the Martian surface layer meteorological parameters during the first 45 sols at two Viking Lander sites 9—88615
Sutton, S. *see* Adrain, R.S. 9—57556
Sutton, W.H., Ozisik, M.N. A Fourier transform solution for radiative transfer in a slab with isotropic scattering and boundary reflection 9—90119
Sutton, W.H. *see* Oldfield, J.W. 9—52414
Suttorp, L.G. *see* Michels, M.A.J. 9—75693, 9—80751
Sutugin, A.G., Puchkov, A.S., Lushnikov, A.A. Spontaneous condensation in a submerged turbulent jet 9—64721
Sutyagina, V.M. *see* Alimov, A.K. 9—83340
Sutyrin, N.A. *see* Klimov, N.N. 9—66850
Suutala, N., Takalo, T., Moisio, T. The relationship between solidification and microstructure in austenitic and austenitic-ferritic stainless steel welds 9—61579
Suvorov, A.E. *see* Bulyshev, A.E. 9—77334
Suvorov, A.E. *see* Preobrazhenskii, N.G. 9—98040, 9—98877
Suvorov, A.L. *see* Bobkov, A.F. 9—67433
Suvorov, A.M., Cherkesov, L.V. On the generation of internal gravity waves in the field of a geostrophic current by atmospheric disturbances 9—100853
Suvorov, A.P. *see* Ksanfomaliti, L.V. 9—66950
Suvorov, A.V., Terukov, E.I. Effect of ion bombardment on the metal-dielectric phase transition in vanadium dioxide 9—90963
Suvorov, E.V., Gorelik, O.S., Kaganer, V.M., Indenbom, V.L. Shape of extinction fringes and determination of the Burgers vector in single-crystal interferometric techniques 9—95013
Suvorov, E.V. *see* Eremin, B.G. 9—75240
Suvorov, V.M. *see* Bystritskii, V.M. 9—50171
Suvorov, V.M. *see* Edel'man, I.S. 9—99966
Suvorov, V.M. *see* Kachalkin, A.K. 9—94866
Suvorova, S.O. *see* Orlov, L.G. 9—74189
Suvorova, S.O. *see* Zabil'skii, V.V. 9—66085, 9—100176
Suvorova, Yu.V. Nonlinear effects during the deformation of hereditary media 9—86351
Suwa, A., Yamakawa, N., Iinuma, T. Research and development of permanent ocean-bottom seismograph observation system off the Pacific coast to central Honshu, Japan 9—62628
Suwa, A. *see* Hamada, K. 9—62456
Suwa, M. *see* Onuki, J. 9—96059
Suwa, S. Studies on possibility of accelerating polarized protons at KEK 9—63846
Suwa, S. On the magnetohydrodynamical flow patterns around an oblique flat plate at high Reynolds numbers 9—64786
Suwalski, J., Schneeweiss, O., Zemcik, T., Tucholski, Z. Investigation of preferred substitution of Co atoms in Fe-Si-Al sendust type alloys 9—91328
Suwelack, D., Mehring, M., Pines, A. Quantitative aspects of deuteron (spin 1) spin decoupling in solid-state NMR 9—61266
Suyarov, Kh. *see* Alimov, A.K. 9—83885
Suyazov, N.V. Limiting spectral characteristics of a distributed-feedback laser 9—64197
Suyehiro, K., Sacks, I.S. P- and S-wave velocity anomalies associated with the subducting lithosphere determined from travel-time residuals in the Japan region 9—92489
Suzanne, J. *see* Shechter, H. 9—61270
Suzdalev, I.P. *see* Imshennik, V.K. 9—73872
Suzuka, I., Udagawa, Y., Ito, M. Raman spectra of pyrazine resonant to the $S_2(\pi,\pi^*)$ state and the geometry in the excited state 9—76433
Suzuki, A., Matsunami, H., Tanaka, T. Auger electron spectroscopy analysis of thermal oxide layers of silicon carbide 9—96386
Suzuki, A. *see* Kichimi, H. 9—89207
Suzuki, A. *see* Matsushita, T. 9—87024
Suzuki, A. *see* Sugahara, R. 9—93453, 9—93454
Suzuki, A. *see* Tohyama, M. 9—76914
Suzuki, A. *see* Yada, K. 9—54146
Suzuki, H., Kitajima, H., Ishikawa, K. The effect of methyl groups on the optical absorption of retinal 9—53047
Suzuki, H., Kunio, T. Effect of microduplex structure size on tensile fracture behavior of steels with ferritic-martensitic structures 9—96113
Suzuki, H., McEvily, A.J. Microstructural effects on fatigue crack growth in a low carbon steel 9—61718
Suzuki, H., Nambudripad, N., Bleaney, B., Allsop, A.L., Bowden, G.J., Campbell, I.A., Stone, N.J. Enhanced nuclear cooling and antiferromagnetism in $HoVO_4$ 9—61070
Suzuki, H. *see* Fujimura, T. 9—91614
Suzuki, H. *see* Furuichi, S. 9—71765
Suzuki, H. *see* Hase, T. 9—66192, 9—78921, 9—83289
Suzuki, H. *see* Hasuo, S. 9—54170
Suzuki, H. *see* Hattori, M. 9—91989
Suzuki, H. *see* Iseki, T. 9—70131, 9—79113
Suzuki, H. *see* Iwasa, I. 9—56016
Suzuki, H. *see* Mitomo, M. 9—70031
Suzuki, H. *see* Nakamura, T. 9—89019
Suzuki, H. *see* Osumi, Y. 9—95168
Suzuki, H. *see* Sugimoto, T. 9—62189
Suzuki, I., Okada, K. Direct observation of ferroelasticity in squaric acid $C_4H_2O_4$ 9—55814
Suzuki, I. *see* Okajima, S. 9—60527
Suzuki, J., Kodera, K. Problems with the use of hearing aids and the project of the implantable 'artificial middle ear' 9—84009
Suzuki, J., Nakatsui, M., Takasugi, T., Tanaka, R. Final report on helium speech investigations—nature of speech produced under high ambient pressure and its unscrambling 9—81657
Suzuki, J., Yoshiya, K. 8 kbps voice transmission by SPAC (speech processing system by use of autocorrelation function) 9—59893
Suzuki, J. *see* Kasai, T. 9—80593
Suzuki, J. *see* Takasugi, T. 9—68510
Suzuki, K. Analysis of rising-sun reticle 9—81548
Suzuki, K., Aida, H., Takahashi, S. Vibrations of curved bars perpendicular to their planes 9—94522
Suzuki, K., Fujioka, M., Nakatsuka, T. Limit index point and flexural capacity or prestressed reinforced concrete members in ultimate state 9—83283
Suzuki, K., Fukunaga, T. A geometrical relaxation model on structure change and kinetics during low-temperature annealing of amorphous metals 9—94908
Suzuki, K., Kobayashi, S., Ohta, Y. The surface roughness meter using backscattered electron intensity 9—93131
Suzuki, K. *see* Aiyama, T. 9—87013
Suzuki, K. *see* Honda, T. 9—91519
Suzuki, K. *see* Itoh, F. 9—61456, 9—87520
Suzuki, K. *see* Iwata, R. 9—88192
Suzuki, K. *see* Kasemura, T. 9—69323
Suzuki, K. *see* Kohkame, H. 9—94685
Suzuki, K. *see* Motooka, T. 9—55652
Suzuki, K. *see* Nawata, K. 9—76829
Suzuki, K. *see* Takeuchi, S. 9—74228
Suzuki, K. *see* Toriyama, K. 9—90533
Suzuki, M. Existence of the thermodynamic limit in nonequilibrium systems 9—54084
Suzuki, M. Scaling theory of transient nonlinear fluctuations and formation of macroscopic order 9—80520
Suzuki, M. Nonleptonic decays of charmed mesons and determination of weak interaction mixing angles 9—85294
Suzuki, M. Compatibility of Cabbo-suppressed D^0 decays with weak-interaction mixing angles 9—97620
Suzuki, M., Asano, K. A mathematical model of droplet charging in ink-jet printers 9—50184
Suzuki, M., Iwamoto, M. Effect of mean stress on fatigue crack propagation in fiber reinforced polycarbonates 9—66151
Suzuki, M., Kubota, S. Mechanism of proportional scintillation in argon, krypton and xenon 9—81131
Suzuki, M., Sogo, K., Matsuba, I., Ikeda, H., Chikama, T., Takano, H. Real-space renormalization group approach to critical dynamics. Migdal approximation and other new methods 9—63088
Suzuki, M., Yamada, T., Miyazaki, T., Kawazoe, K. Sorption and accumulation of cadmium in the sediment of the Tama River 9—52972
Suzuki, M., Yamada, T., Miyazaki, T., Kawazoe, K. Sorption and accumulation of cadmium in the sediment of the Tama River 9—74924
Suzuki, M. *see* Ferraz, A. 9—82535
Suzuki, M. *see* Ikeda, H. 9—56528
Suzuki, M. *see* Ishii, K. 9—87097
Suzuki, M. *see* Kobayashi, I. 9—52976
Suzuki, M. *see* March, N.H. 9—69420
Suzuki, M. *see* Okano, S. 9—82946
Suzuki, M. *see* Tasaka, K. 9—81028
Suzuki, N., Kataoka, H., Hariu, T., Shibata, Y. Schottky contact characterization of sputter-etched surface of GaAs and its recovery by annealing 9—99603
Suzuki, N., Nishimura, K., Tokunaga, O., Washino, M. Radiation treatment of exhaust gases. VIII. NO_2 decomposition in NO_2-N_2 and NO_2-rare gas mixtures 9—79423
Suzuki, N., Suzuki, S. Two-particle correlation in the cluster cascade model 9—49615
Suzuki, N. *see* Fujii, Y. 9—76822
Suzuki, N. *see* Gomay, Y. 9—85768
Suzuki, N. *see* Isao, A. 9—81577
Suzuki, N. *see* Maeno, M. 9—98984
Suzuki, N. *see* Matoba, T. 9—50890
Suzuki, N. *see* Zeiss, G.D. 9—72249
Suzuki, R., Yamamoto, S. Automatic classification of uterine cancer cells utilizing the concept of cellular differentiation 9—88226
Suzuki, R. *see* Ikeda, T. 9—74107
Suzuki, R. *see* Karashima, S. 9—55951
Suzuki, R. *see* Kawato, M. 9—83737
Suzuki, R. *see* Nakajima, H. 9—54011
Suzuki, S. 'Repair' of fast-neutron and X-ray-induced damage to the permeabilities of red blood cells to sodium and potassium ions and its promotion by ghosts 9—57615
Suzuki, S. Fireball cascade model analysis of multiparticle production on nuclei 9—89283
Suzuki, S., Fujii, T., Yoshiike, N. Polarization of the excimer-type transition in 9-anthroic acid 9—50062
Suzuki, S., Takahashi, M., Kobayashi, T. Free volume of glasses in the system As-Se, Ge-Se and Ge-S at the transition temperature 9—55876
Suzuki, S. *see* Aizawa, M. 9—53293, 9—83719
Suzuki, S. *see* Akaba, N. 9—65815
Suzuki, S. *see* Fukui, T. 9—54161
Suzuki, S. *see* Kabuto, M. 9—90074
Suzuki, S. *see* Suzuki, N. 9—49615
Suzuki, S. *see* Takagi, M. 9—78638
Suzuki, S. *see* Ueno, N. 9—98249
Suzuki, S.-I. Dynamic behaviour of a beam subjected to a force of time-dependent frequency (effects of solid viscosity and rotatory inertia) 9—68619
Suzuki, T. Sum rules for spin-dependent excitations of nuclei 9—59018
Suzuki, T. Noise of metal ion lasers 9—64209
Suzuki, T. Stability of a large synchrotron with closed orbit distortions 9—76186
Suzuki, T. A scale-invariant regularization for QED 9—93326
Suzuki, T., Fuyuki, M., Matsuyanagi, K. Property of many-phonon norm matrix 9—71810
Suzuki, T., Fuyuki, M., Matsuyanagi, K. Dynamical interplay of pairing and quadrupole modes in transitional nuclei. I 9—89252
Suzuki, T., Gal, L. Observation of fuzzy walls by sampling photography in bubble garnet films 9—99738
Suzuki, T., Konagai, M., Takahashi, K. Electrical properties of Zn^+-doped (AlGa)As prepared by molecular beam epitaxy and its use in shallow junction solar cells 9—91175
Suzuki, T., Ogawa, M. In situ measurements of photoluminescence intensities from cleaved (110) surfaces of n-type InP in a vacuum and gas ambients 9—61412
Suzuki, T., Yamazaki, Y., Namikawa, T., Satou, M. Increase in switching velocity of ferroelectric $Pb_5Ge_3O_{11}$ by Si diffusion 9—51922
Suzuki, T. *see* Ando, A. 9—76185
Suzuki, T. *see* Aoki, H. 9—66216
Suzuki, T. *see* Daidoji, H. 9—80702
Suzuki, T. *see* Kainuma, T. 9—52356
Suzuki, T. *see* Kohno, H. 9—66542
Suzuki, T. *see* Koike, S. 9—56113
Suzuki, T. *see* Kondo, K. 9—71571
Suzuki, T. *see* Nagasawa, A. 9—91647
Suzuki, T. *see* Oya, Y. 9—61114
Suzuki, T. *see* Sagawa, H. 9—75899
Suzuki, T. *see* Sako, K. 9—76126
Suzuki, T. *see* Takahashi, M. 9—78436
Suzuki, T. *see* Wuttig, M. 9—61634
Suzuki, Y. Temporal and spatial changes of polar substorms and infrasonic wave emissions 9—100996
Suzuki, Y., Ninomiya, H., Tanabe, Y., Sawada, Y., Takano, I. Three dimensional analysis of alternating magnetic field by finite element method 9—50191
Suzuki, Y., Okumura, M., Hirai, M. Relaxation of 2p excitons and F center formation in picosecond range in RbBr, RbI and KBr 9—91462
Suzuki, Y. *see* Higashiguchi, Y. 9—51157
Suzuki, Y. *see* Murakami, Y. 9—57559
Suzuki, Y. *see* Sato, H. 9—94347
Suzuki, Y. *see* Zaima, S. 9—100181
Suzuki, Z. *see* Takagi, A. 9—57875
Suzumura, N. *see* Ishi, N. 9—57628
Suzumura, Y. Collective modes and response functions for the BGD model 9—60734
Suzuoki, T. *see* Kuroda, Y. 9—62513
Svalgaard, L. *see* Duvall, T.L., Jr. 9—66978
Svalgaard, L. *see* Wilcox, J.M. 9—74936
Svalov, A.M. Flow of a gas behind a Chapman-Jouguet detonation wave in the vicinity of a line of discontinuity of a surface wave curvature 9—86462
Svalov, G.G., Radchenko, I.P., Slonimskaya, I.N. Superconducting solenoids 9—93174
Svanberg, S. *see* Grundevik, P. 9—63940, 9—89632
Svanberg, S. *see* Gustavsson, M. 9—89636
Svanberg, S. *see* Nilsson, L. 9—76396
Svancara, J. *see* Tomek, C. 9—88230
Svanholt, H. *see* Bak, B. 9—63989
Svantesson, K.G. Developed Polaroid film as a high-resolution recording medium for high-power pulsed laser radiation 9—94270
Svantner, M., Mariani, E., Fedorov, P.P., Sobolev, B.P. Solid solution with fluorite structure in the CaF_2-LaF_3 system 9—100119
Svarc, A., Bajzer, Ž., Furic, M. The influence of the neutron-neutron off-energy-shell interaction on the differential μ^-d capture rates 9—71845
Svare, I. Spin-lattice relaxation of ^{19}F and magnetic couplings in rare-earth fluorides 9—65753

Svare, I., Ain el Hiah Abd el Haleem Proton relaxation and tunnelling in some ammonium fluorides 9—51876

Svare, I., Holt, R.M. Dielectric and proton relaxation from ammonium ion motion in alum 9—56721

Svare, I., Throkildsen, G., Otnes, K. Reorientation of NH_4^+ in ammonium salts studied with NMR relaxation and inelastic neutron scattering 9—82167

Svare, I. *see* Janik, J.A. 9—87444

Svata, M. *see* Micka, K. 9—100516

Svata, M. *see* Nikolov, I. 9—52925, 9—100500

Svavil'nyi, N.E. *see* Pasechnik, L.L. 9—64879

Svec, M. Tensor exchange amplitudes in $K^{\pm}N$ charge exchange reactions 9—63522

Svec, M. *see* Fujisaki, M. 9—58974

Svechkarev, I.V. Magnetic properties of conduction electrons 9—87230

Svechkarev, I.V. *see* Sereda, Yu.P. 9—87231

Svechnikov, M.B. Radiation strength of two-layer chemical coatings 9—76739

Svechnikov, S.V., Zharovskii, L.F., Zav'yalova, L.V., Poludin, V.I., Rakhlin, M.Ya. Growth kinetics and structure of cadmium and zinc sulphide films chemically deposited from organometallic compounds 9—78895

Svechnikov, S.V. *see* Kaganovich, E.B. 9—95295

Svechnikov, S.V. *see* Maksimenko, Yu.N. 9—56092

Svedung, I. *see* Hogstrom, U. 9—92565

Svejcar, J. *see* Dorazil, E. 9—78959

Svelto, O. *see* Andreoni, A. 9—66449

Svelto, V. *see* Donzelli, G.P. 9—87170

Svendsen, E.N., Stroyer-Hansen, T., Tangaa, J. Calculation of Raman intensities by a CNDO method 9—93925

Svenne, J.P. Fourteen years of self-consistent field calculations: what has been learned 9—75880

Svennesson, J., Westerlund, S. Stellar X-ray effects on VLF radio wave propagation 9—53649

Svensson, C. *see* Abrahams, S.C. 9—61327, 9—94974

Svensson, E.C., Scherm, R., Woods, A.D.B. Temperature dependence of phonons in liquid ^4He 9—55973

Svensson, E.C. *see* Buyers, W.J.L. 9—61112

Svensson, E.C. *see* Sears, V.F. 9—50980

Svensson, E.C. *see* Woods, A.D.B. 9—55647

Sverdan, P.L., Roshchina, G.P. Anisotropic light scattering by electrolytic solutions 9—91459

Sverdlik, M.B., Averochkin, V.A., Baranov, P.Ye. Measurement of Doppler phase of interfering reflections from interfering objects 9—81340

Sverdlov, B.N. *see* Bogatov, A.P. 9—76713

Sverdlov, B.N. *see* Dolginov, L.M. 9—65545

Sverdlov, L.M. *see* Skotnikov, A.I. 9—63983

Sverdlov, L.M. *see* Sokolov, M.N. 9—89686

Sverdlova, A.M. *see* Samokhvalov, M.K. 9—99634

Sverdrup, G.M. Determination of submicrometer particle size distributions across a power plant plume 9—57526

Sveshnikov, Yu.N. *see* Phasinkin, A.S. 9—79279

Sveshnikova, E.B., Naumov, S.P. Energy transfer from organic molecules to rare-earth ions in strong-donor solvents 9—54930

Sveshnikova, E.B., Naumov, S.P. Mechanism of electronic-energy degradation in strong vibronic coupling, with Mn^{2+} in solution as an example 9—65922

Sveshnikova, E.B. *see* Naumov, S.P. 9—78736

Sveshnikova, N.N. *see* Baksht, F.G. 9—77430, 9—77431

Svestka, Z. *see* Nolte, J.T. 9—75193

Svestka, Z. *see* Petrasso, R.D. 9—75194

Svetina, S. *see* Brumen, M. 9—62174

Svetlichnaya, N.V. *see* Ignat'ev, A.O. 9—63021

Svetlichniy, I.B. *see* Kovtun, V.V. 9—76666

Svetlitskii, V.A. *see* Voronov, S.A. 9—76996

Svetlov, V.N. *see* Dmitriev, V.M. 9—56377

Svetov, B.S., Khalizov, A.L. An amplitude-phase method for the stratigraphic interpretation of magnetotelluric measurements over horizontally stratified formations 9—62620

Sviatoslavsky, I.N. *see* Conn, R.W. 9—71974

Sviklis, B.B., Fedotova, L.F. Magnetic and rheological properties of magnetohard suspensions 9—55350

Sviridenkov, E.A. *see* Baev, V.M. 9—53517

Sviridenok, A.I., Petrokovets, M.I., Kalymkova, T.F., Ken'ko, V.M. True area of contact in heterogeneous materials based on polymers 9—57040

Sviridenok, A.I. *see* Belyi, V.A. 9—78688

Sviridov, A.F. *see* Ivanov, O.I. 9—100473

Sviridov, A.G. *see* Gordiets, B.F. 9—89935

Sviridov, A.N., Tropikhin, Yu.D. Stimulated emission kinetics of an N_2 laser under pulse-periodic conditions. I. Theory 9—59689

Sviridov, A.N., Tropikhin, Yu.D. Stimulated emission kinetics of an N_2 laser under pulse-periodic conditions. II. Experiment 9—64212

Sviridov, A.N. *see* Vol'ter, V.G. 9—52410

Sviridov, A.V. *see* Babeiko, Yu.A. 9—59690

Sviridov, D.T., Sviridova, R.K., Kulik, N.I., Glasko, V.B. An investigation of optical spectra of crystals containing Mn^{2+} 9—51986

Sviridov, I.F. Strain sensitivity of p-GaAs samples 9—82585

Sviridov, S.I. *see* Zhabrev, V.A. 9—65231

Sviridov, V.V. *see* Karataeva, T.P. 9—52032

Sviridov, V.V. *see* Kuz'michev, A.A. 9—64184

Sviridov, Yu.M. *see* Baranov, D.S. 9—54334

Sviridov, Yu.M. *see* Bugorskii, A.P. 9—68119

Sviridov, Yu.M. *see* Burgorskii, A.P. 9—97641

Sviridova, A.I., Troitskii, V.M., Solov'eva, E.V. Antireflection and protective coating of large components 9—72660

Sviridova, A.I. *see* Kudryavtseva, A.G. 9—72656

Sviridova, R.K. *see* Sviridov, D.T. 9—51986

Sviridova, R.K. *see* Vasilev, E.V. 9—52020

Svirina, E.P. *see* Belov, K.P. 9—73554

Svirkunov, P.N. *see* Alekseev, I.M. 9—98288

Svirzhevskaya, A.K. *see* Gelenkov, A.E. 9—80134

Svirzhevskii, N.S. *see* Gelenkov, A.E. 9—80134

Svishchev, V.N. *see* Belov, A.G. 9—91494

Svistel'nik, O.A. *see* Pivnyak, G.G. 9—86626

Svistunov, V.M., Belogolovskii, M.A., Tarenkov, V.Yu., Chernyak, O.I. Proximity effects in the tunnel conductivity of multilayer systems 9—51726

Svistunov, V.M., Dikii, A.P., D'Yachenko, A.I. Superconductivity and phonon spectrum of the bismuth-thallium system 9—91190

Svitashev, K.K. *see* Algazin, Yu.B. 9—65823

Svitashev, K.K. *see* Mardezhov, A.S. 9—99453

Svitich, Yu.V. *see* Sukhovarov, V.F. 9—52218, 9—87641

Svoboda, M., Karmazin, L. Remark on the determination of solubility of carbon in nickel 9—77757

Svoboda, P. *see* Smrcka, L. 9—58698

Svoboda, V., Kofranek, V., Kotaskova, Z. Effects of ^{226}Ra and X-irradiation on the proliferative and differentiative ability of mouse hemopoietic stem cells 9—79611

Svoboda, V. *see* Elfmark, J. 9—67851

Svrcek, W.Y. *see* Mathews, A. 9—92104

Swafford, G.L. *see* Ford, A.L. 9—89760

Swafford, G.L. *see* Reading, J.F. 9—89778

Swain, J.H. *see* Newport, R.W. 9—63834

Swain, M.V. Microfracture about scratches in brittle solids 9—59945

Swain, M.V. Crack nucleation about pointed indentations in glasses 9—91779

Swain, M.V. *see* Arora, A. 9—66147

Swain, M.V. *see* Hagan, J.T. 9—96132

Swain, S. *see* McClean, W.A. 9—81193

Swakman, E. *see* Elenbaas, R.A. 9—78411

Swalen, J.D. *see* Brundle, C.R. 9—74051

Swalen, J.D. *see* Gordon, J.G., II 9—76836

Swalen, J.D. *see* Pockrand, I. 9—69569

Swallom, D. *see* Brogan, T.R. 9—83607

Swallow, E.C. *see* Nagle, D.E. 9—63500

Swam, L.F.P.Van *see* Van Swam, L.F.P.

Swami, N.K., Srivastava, S., Ghule, H.M. The role of the interfacial layer in Schottky barrier solar cells 9—57429

Swaminadham, M., Santhanam, A., Shankar Pureswaran, K.S., Rao, J.S. Identifications of resonant frequencies of rotating beams with the use of PZT crystals 9—81824

Swaminathan, P.K. *see* Poland, D. 9—97306

Swamy, K.N., Singh, Y. Generalized mean spherical approximation and the thermodynamics of a classical one-component plasma 9—98861

Swamy, K.S.K., O'Dell, C.R. Statistical equilibrium in cometary C_2. II. Swan/Phillips band ratios 9—96969

Swamy, K.S.Krishna *see* Krishna Swamy, K.S.

Swamy, N.V.V.J. *see* Wilson, W. 9—75704

Swamy, R.Narayan *see* Narayan Swamy, R.

Swamy Rao, A.A. Solar energy: UNIDO programme of action for developing countries 9—57359

Swan, D.E. *see* Foster, H.R. 9—65780

Swan, D.F.K., Ashby, J.D. Many advantages from multidimensional GC 9—70408

Swan, D.S. *see* Mackenzie, A.B. 9—88370

Swan, F.H., III *see* Packer, D.R. 9—88284

Swanberg, C.A., Morgan, P. The linear relation between temperatures based on the silica content of groundwater and regional heat flow: a new heat flow map of the United States 9—74876

Swanberg, C.A. *see* Morgan, P. 9—74490

Swanger, H.J., Boore, D.M. Importance of surface waves in strong ground motion in the period range of 1 to 10 seconds 9—84185

Swank, J.H. *see* Marshall, F.E. 9—71153

Swank, J.H. *see* Pravdo, S.H. 9—92889

Swann, P.R. *see* Scamans, G.M. 9—52425

Swanson, B.I. *see* Rafalko, J.J. 9—72239

Swanson, D.P. *see* Freitas, J.E. 9—79634

Swanson, D.P. *see* Wieland, D.M. 9—83910

Swanson, G.D. Input stimulus design for model discrimination in human respiratory control 9—53183

Swanson, J.G. *see* Saad, A. 9—83388

Swanson, L.W., McNeely, D.R. Work functions of the (001) face of the hexaborides of Ba, La, Ce and Sm 9—65537

Swanson, L.W. *see* Bell, A.E. 9—74066

Swanson, L.W. *see* Orloff, J. 9—75656

Swanson, M.L., Howe, L.M. Channeling measurements of the trapping efficiencies of solute atoms for self-interstitial atoms in metals 9—86829

Swanson, R.L. *see* Erickson, K.N. 9—66882

Swanson, R.M. A proposed thermophotovoltaic solar energy conversion system 9—74513

Swanson, S.R. *see* Sayre, J.A. 9—61302

Swanson, W.M., Ou, S.A., Clark, R.E. Vortex motion and induced pressures in a model of the aortic valve 9—62288

Swanson, W.P. *see* Hill, D.G. 9—71744

Swantner, W.H. *see* Hayslett, C.R. 9—86249

Swart, J.J.de *see* de Swart, J.J.

Swarts, C.A., Dow, J.D., Flynn, C.P. Core spectra of metals 9—83056

Swarts, C.A., Miller, D.L., Dow, J.D. Comparison of theoretical calculations of angular distributions of photoelectrons emitted from rare-gas atoms 9—59412

Swartz, D. *see* Lockwood, J.A. 9—75063

Swartz, S.E., Hu, K.K., Huang, C.-M., Jones, G.L. An apparatus for tensile testing of concrete 9—96241

Swartz, W.A. *see* Tossman, B.E. 9—74971

Swartz, W.E., Farley, D.T. A theory of incoherent scattering of radio waves by a plasma. V. The use of the Nyquist theorem in general quasi-equilibrium situations 9—75024

Swartz, W.E., Williams, G.J., McDonough, T.R. The role of energetic particle precipitation in Jovian magnetospherics. I. Secondary electrons from the ionosphere of Jupiter 9—75140

Swartz, W.E. *see* Farley, D.T. 9—100975

Swartz, W.E. *see* Vickrey, J.F. 9—70915

Swartz, W.J., Nusbickel, F.R. Histologic investigation of glycol methacrylate embedded chick embryonic tissue 9—84038

Swartzendruber, L.J. *see* Rubinstein, M. 9—78535

Swartzfager, D.G. *see* Kelley, M.J. 9—82423

Swarup, J. Unfolding of continuous gamma spectrum 9—81118

Swarup, S., Manocha, P.S. The transverse force on a spinning porous sphere at small Reynolds number 9—77243

Sweatt, W.C. Mathematical equivalence between a holographic optical element and an ultra-high index lens 9—59653

Swedish, M.J., Epstein, M., Linehan, J.H., Lambert, G.A., Hauser, G.M., Stachyra, L.J. Surface ablation in the impingement region of a liquid jet 9—54549

Sweedler, A.R. *see* Cox, D.E. 9—69757

Sweeney, D.W. *see* Yang, J.M. 9—86135

Sweeney, J. *see* Tsong, T.T. 9—73384

Sweeney, J.C. Inversion persistence at Long Kesh, Northern Ireland 9—79996

Sweeney, J.F. Arctic seafloor: past and present 9—88328

Sweeney, J.L. Structural/econometric modelling of gasoline consumption 9—79366

Sweeney, L.H. *see* Heinsheimer, T.F. 9—101091

Sweeny, P.R. *see* Stinson, R.H. 9—62408

Sweers, H.E. The natural temperature: what is that? 9—83642

Sweet, D.A. *see* Riley, N. 9—99091

Sweet, G.E., Bell, J.P. Selective chemical etching of poly(ethylene terephthalate) using primary amines 9—57130

Sweet, G.E., Bell, J.P. Chemical degradative stress cracking of poly(ethylene terephthalate) fibers 9—57131

Sweet, J. *see* Wiggins, R.A. 9—88296

Sweet, M.A.S., Urquhart, D. Shallow traps in ZnS single crystals 9—91508

Swendsen, R.H., Krinsky, S. Monte Carlo renormalization group and Ising models with $n \geq 2$ 9—75470

Swendsen, R.H. *see* Blote, H.W.J. 9—99709

Sweney, L.R., Lam, L.F.-H., Shapiro, B.L. Scanning electron microscopy of uncoated human metaphase chromosomes 9—84034

Swenson, C.A. *see* Durieux, M. 9—63231

Swenson, C.A. *see* Krause, J.K. 9—99392

Swenson, C.A. *see* Lyon, K.G. 9—73326

Swenson, D.A. *see* Boicourt, G.P. 9—72130

Swenson, D.A. *see* Schriber, S.O. 9—68076

Swenson, D.A. *see* Stokes, R.H. 9—71986

Swenson, D.V. *see* Boltax, A. 9—59167

Swenson, G.W., Jr. Antennas for amateur radio interferometers 9—88597

Swenson, L.W. *see* Geesaman, D.F. 9—85541

Swenson, L.W. *see* Olmer, C. 9—93667

Swenson, R.J. *see* Havas, P. 9—64801

Swenson, R.P. *see* Oxford, G.S. 9—83744

Swent, R.L. *see* Alguard, M.J. 9—51176, 9—69167

Swet, C.J. Seasonal storage of solar energy 9—57472

Swet, C.J. *see* Iannucci, J.J. 9—57494

Swette, L. *see* Wong, D. 9—70222

Swiatek, J. Thermally stimulated currents in thin polycrystalline p-polyphenyl layers 9—60946

Swiatek, J. *see* Staryga, E. 9—65572

Swiatkowski, A. *see* Jankowska, H. 9—70010

Swider, W., Murad, E., Herrmann, U. Sulfur chemistry in the E-region 9—96854

Swieca, J.A. *see* Belvedere, L.V. 9—71605

Swieca, J.A. *see* Kurak, V. 9—49411

Swieca, J.A. *see* Rothe, H.J. 9—71715

Swieca, J.A. *see* Rothe, K.D. 9—49364

Swieca, J.A.L. *see* Koberle, R. 9—93301

Swiecki, M. *see* Gajewski, W. 9—76218

Swierczynski, R. *see* Galkowski, A. 9—67940, 9—67941
Swierczynski, T. *see* Calusinski, B. 9—54148
Swietochowski, A. *see* Demeester, M. 9—62404
Swietochowski, J. The method of indirect comparison of luminous fluxes in integrating photometer 9—93200
Swift, C.M., Jr. *see* Tripp, A.C. 9—84095
Swift, D.W. On the structure of auroral arcs: the results of numerical simulations 9—53607
Swift, J., Mulvaney, B.J. Sound attenuation and dispersion near the nematic-smectic A phase transition of a liquid crystal 9—82286
Swift, J. *see* Hossain, K.A. 9—60489
Swift, J. *see* Leitner, P. 9—55875
Swift, W.A.C. On the measurement of residual shear stress in scragged torsion bars 9—59954
Swihart, J.C. *see* Tomlinson, P.G. 9—69625
Swimm, R.T., Delos, J.B. Semiclassical calculations of vibrational energy levels for nonseparable systems using the Birkhoff-Gustavson normal form 9—97224
Swinbank, E. High-resolution radio maps of the Crab Nebula 9—53891
Swindell, W. *see* Barrett, H.H. 9—94163
Swindeman, R.W. Isochronous relaxation curves for type 304 stainless steel after monotonic and cyclic strain 9—87676
Swindle, D.L., Roberts, J.A. Linewidth parameters in the rotational spectrum of methyl cyanide 9—98070
Swindle, D.L. *see* Bowman, W.B. 9—54604
Swinerd, G.G. *see* Jones, D.S. 9—77003
Swingle, J.C. *see* Ewing, J.J. 9—59757
Swingler, D.N. A comparison between Burg's maximum entropy method and a nonrecursive technique for the spectral analysis of deterministic signals 9—58112
Swings, J.P. *see* Barbier, R. 9—92782
Swings, J.P. *see* Cosmovici, C.B. 9—84803
Swiniarski, R.de *see* de Swiniarski, R.
Swiniarski, R.De *see* De Swiniarski, R.
Swinney, H.L. Hydrodynamic instabilities and the transition to turbulence 9—77073
Swinney, H.L. *see* Fenstermacher, P.R. 9—94630
Swiqtkowski, W. Effect of positron diffusion in nonmonolithic systems on angular distributions of annihilation photons 9—83053
Swislow, G. *see* Tanaka, T. 9—66373
Swiss, M. London conference debates energy storage systems 9—66418
Swissler, T.J. *see* McCormick, M.P. 9—53444
Switendick, A.C. The change in electronic properties on hydrogen alloying and hydride formation 9—82522
Switendick, A.C. *see* Schirber, J.E. 9—65366
Switkes, E., Sloan, J.A., Mayer, M.J. Spatial frequency analysis of the visual environment: anisotropy and the carpentered environment hypothesis 9—53137
Switkowski, Z.E. *see* Clark, G.J. 9—95283
Switzer, G.L., Roquemore, W.M., Bradley, R.B., Schreiber, P.W., Roh, W.B. CARS measurements in a bluff-body stabilized diffusion flame 9—85964
Swoboda, W. *see* Rentsch, S. 9—61355
Swope, W.C. *see* Harris, R.A. 9—81299
Sworakowski, J. *see* Williams, J.O. 9—73548
Swords, M.D. *see* Cole, J.B. 9—77296
Swordy, S.P. *see* Fowler, P.H. 9—71003
Swuste, C.H.W. *see* van Vlimmeren, Q.A.G. 9—61235
Syamala Rao, B.C., Lakshmana Rao, N.S., Veerabhadra Rao, P. Evaluation of erosion resistance of metallic materials and the role of material properties in correlations 9—83328
Syamasundara Rao, Y. *see* Ramasasstry, C. 9—97403
Sybert, J.R. *see* Stephens, A.E. 9—51602
Sychev, A.T. Influence of gas leakage on gas jet characteristics 9—68780
Sychev, B.S. *see* Serov, A.Ya. 9—97708
Sychev, P.E. *see* Afanas'ev, A.A. 9—60206
Sychev, S.I. *see* Aleksandrov, B.M. 9—63709
Sychev, V.V., Al'tov, V.A. Metrological problems of applied superconductivity 9—73650
Sychev, V.V., Spiridonov, G.A. Determination of the thermodynamic functions of gases and liquids from experimental p, v, T data by computer simulation 9—86866
Sychugov, V.A. *see* Andreev, A.S. 9—76863
Sychugov, V.A. *see* Ctyroky, J. 9—90003
Sychugov, V.A. *see* Prokhorov, A.M. 9—64339
Sydor, M. *see* Diehl, S.R. 9—79435
Sykes, L.R. Intraplate seismicity, reactivation of preexisting zones of weakness, alkaline magmatism, and other tectonism postdating continental fragmentation 9—74882
Sykes, M.F. Derivation of low-temperature expansions for Ising model. X. The four-dimensional simple hypercubic lattice 9—61025
Sykes, M.F. *see* Gaunt, D.S. 9—61024
Sykes, R.I. *see* Mason, P.J. 9—59960, 9—79971
Sykora, M. *see* Buchar, J. 9—91742
Sylvester, A.G., Darrow, A.C. Structure and neotectonics of the western Santa Ynez fault system in southern California 9—79774
Sylvester, J.T. *see* Zidulka, A. 9—83825
Sylvester, N.D., Toure, M.P. Effect of shear on polymer aided flocculation of suspensions 9—52779
Sylwan, C. *see* Lindstrom, O. 9—52930
Sylwestrowicz, W.D., Elkholy, H.A., Kammlott, G.W. The effect of temperature and humidity on interdiffusion of gold and titanium in thin films 9—51317
Symes, W. Relations among generalized Korteweg-deVries systems 9—58551
Symko, O.G. *see* Chamberlin, R.V. 9—63290, 9—75560
Symko, O.G. *see* Jaehne, E. 9—56498
Symko, O.G. *see* Moberly, L.A. 9—61055
Symko, O.G. *see* Steelhammer, T.J. 9—67358
Symon, K.R. *see* Lewis, H.R. 9—50878
Symonds, P.S., Chon, C.T. Finite viscoplastic deflections of an impulsively loaded plate by the mode approximation technique 9—81738
Symonds, P.S., Wierzbicki, T. Membrane mode solutions for impulsively loaded circular plates 9—64501
Symonds, P.S. *see* Bodner, S.R. 9—81825
Symons, D.T.A. *see* Stupavsky, M. 9—70745
Symons, J.G., Cooper, P.I. Thermal performance testing of flat-plate solar collectors 9—62064
Symons, J.M. *see* Arora, P.S. 9—50835
Symons, M.C.R., Thompson, V.K. Ionic solvation in methanol: Spectroscopic studies 9—70363
Symons, M.C.R. *see* Catterall, R. 9—78502
Symons, T.J.M. *see* Fifield, L.K. 9—67701
Symons, T.J.M. *see* Shotter, A.C. 9—89275
Symthe, R.T., Wierman, J.C. First-passage percolation on the square lattice 9—49177
Synakh, V.S. *see* Mastryukov, A.F. 9—68421
Syndulko, K. *see* Potvin, A.R. 9—96541
Syndulko, K. *see* Rohrbaugh, J.W. 9—62266
Synek, M., Schultz, J. Nd^{3+} laser crystal efficiency 9—50302
Synek, M., Schultz, J. Crystal-field splittings in Nd^{3+}:CaF_2 9—65418
Synofzik, R., Garen, W., Wortberg, G., Frohn, A. Shock wave structure in water vapor 9—98761
Synofzik, R. *see* Garen, W. 9—94679
Synorov, V.F. *see* Sysoev, B.I. 9—51528, 9—56322
Syrakov, E.D. Dynamics of nonadiabatic heat in stratified atmosphere taking into account the co-effect of mass exchange and water's phase transitions 9—58004
Syrakov, E.D. Baroclinicity-cum-stratification effect on Lagrange characteristics in the planetary boundary layer 9—66765
Syrbu, A.V. *see* Alferov, Zh.I. 9—56301
Syrbu, A.V. *see* Andreev, V.M. 9—56097, 9—70005
Syrbu, N.N. *see* Kudintseva, G.A. 9—87565
Syreishchikova, T.I. *see* Blagov, M.I. 9—76303
Syrett, B.C., Wing, S.S. An electrochemical investigation of fretting corrosion of surgical implant materials 9—66197
Syrett, B.C., Wing, S.S. Pitting resistance of new and conventional orthopedic implant materials—effect of metallurgical condition 9—70704
Syrett, B.C. *see* Macdonald, D.D. 9—96191
Syrkin, L.N. *see* Busher, M.K. 9—64479
Syrkin, V.G. *see* Kir'yanov, Yu.G. 9—96218
Syromiatnikov, V.N. *see* Izyumov, Yu.A. 9—99680
Syromyatnikov, N.I. *see* Safronov, A.I. 9—72940
Syromyatnikov, V.N. *see* Izyumov, Yu.A. 9—51749, 9—65648
Syrov, A.V. *see* Budenkov, B.A. 9—52582
Syrovatskii, S.I. *see* Bobrova, N.A. 9—66920
Syrovatskii, S.I. *see* Bulanov, S.V. 9—55485
Syrovoi, V.A. Some examples of invariant solutions of the liquid mechanics equations 9—90272
Syshchikova, M.P., Krassovskaya, I.V. Some properties of regular and irregular interaction of shock waves 9—68745
Sysoev, A.A., Filatov, V.N., Samsonov, G.A., Kalinin, Yu.T. High-speed vacuum lock for a mass spectrometer 9—67421
Sysoev, A.A. *see* Ivanov, V.P. 9—93251, 9—93252
Sysoev, A.N. *see* Shchurov, A.F. 9—96092
Sysoev, B.I., Linnik, V.D., Synorov, V.F. Allowance for strong field effects in the determination of the parameters of local states by the method of thermally stimulated discharge of a semiconductor capacitor 9—51528
Sysoev, B.I., Rovinskii, A.P., Synorov, V.F., Bezryadin, N.N. Some features of the capacitance-voltage characteristics of MOS structures with a semiconductor layer under the gate 9—56322
Sysoev, L.A. *see* Sil'vestrova, I.M. 9—95709
Sysoyev, V.I. *see* Leont'yev, A.I. 9—98719
Sytin, A.N. *see* Bozhko, N.I. 9—97936
Syunyaev, R.A. *see* Bochkarev, N.G. 9—58450
Syunyaev, R.A. *see* Doroshkevich, A.G. 9—62942
Syunyaev, R.A. *see* Kolykhalov, P.I. 9—88648
Syunyaev, R.A. *see* Pozdnyakov, L.A. 9—80372
Syutkin, N.N., Vyatkin, N.N., Fedorova, E.G. Contrast bands in electric-field induced evaporation of a field-ion specimen 9—50967
Syutkin, N.N. *see* Ivchenko, V.A. 9—69962
Syutkin, P.N. *see* Klyueva, I.B. 9—66174
Syutkin, P.N. *see* Men'shikov, A.Z. 9—82759
Syutkin, P.N. *see* Volkov, V.A. 9—56189
Szabadvary, F. Joseph Louis Gay-Lussac (1778-1850) and analytical chemistry 9—49001
Szabo, A. *see* DeVoe, R.G. 9—64290
Szabo, J.D. *see* Konc, M. 9—51823
Szabo, K., Torok, I. The separation efficiency and electric behaviour of cement kiln dust in electrostatic precipitator 9—52989
Szabo, K., Torok, I. Noise-emission measurement in industrial plants 9—86290
Szabo, N. Paramagnons and magnons of the quantum Heisenberg model and the modular Hilbert algebras 9—82739
Szabo, N. Continuous symmetry breaking in closed intervals of the temperature axis and the Ising-, XY- and Heisenberg models 9—82787
Szabo, T.L. *see* Slobodnik, A.J., Jr. 9—55282
Szadkowski, A. Field effect studies of the electron transport in β-rhombohedral boron 9—82589
Szafarz, D. *see* Jullien, P. 9—88138
Szafner, A. *see* Karger-Kocsis, J. 9—66154
Szalai, A. Research on research and some problems of research bureaucracy 9—97179
Szalay, A. *see* Naim, M.A. 9—63635
Szalewicz, K., Jeziorski, B. Symmetry-adapted double-perturbation analysis of intramolecular correlation effects in weak intermolecular interactions. The He-He interaction 9—86038
Szalewicz, K. *see* Jeziorski, B. 9—81241
Szalmassy, Z., Wilmes, L. Hall effect measurements on flash evaporated cadmium sulphide thin films 9—65570
Szameit, H. *see* Busch, N. 9—74455
Szaniawski, A. Mass and energy transport in the atmospheric neutrally stable layer 9—74927
Szaniawski, A., Zachara, A. Laminar flow in a channel variable cross-section with movable and porous walls 9—64768
Szanto De Toldeo, A., Hafner, H., Klapdor, H.V. A comparative study of proton states in ^{121,123,125,127,129,131}I excited by (α,t) and (^{3}He,d) reactions 9—63572
Szanto de Toledo, A. Atomic nuclei change their shape 9—54384
Szapiel, S., Patorski, K. Fresnel diffraction images of periodic objects under gaussian beam illumination 9—94148
Szaraniec, E. Descending and ascending methods in interpreting resistivity soundings 9—66810
Szarka, J., Povinec, P. Electrostatic problems in multielement proportional counters 9—93877
Szarka, J. *see* Povinec, P. 9—76287
Szaro, L., Malcher, J. Electrification of two-component dust produced using n- and p-type germanium 9—56276
Szaro, L., Szaynok, A.T. Electrification of dust produced from silicon monocrystals 9—82662
Szarska, M. *see* Baiburina, S.G. 9—80156, 9—80170
Szasz, A., Tichy-Racs, A. Photoemission investigation of Ni near the Curie temperatures 9—78841
Szasz, Gy.I., Heinzinger, K. A molecular dynamics study of aqueous solutions. VIII. Improved simulation and structural properties of a NH_4Cl solution 9—82142
Szatanek, J. *see* Badurski, M. 9—82584
Szatkowski, J. *see* Sieranski, K. 9—91077
Szawelska, H.R., Allen, J.W. Photocapacitance measurements of the two acceptor levels of chromium in GaAs 9—95443
Szaynok, A.T. *see* Szaro, L. 9—82662
Szczezepanek, P.S. *see* Harte, W.E. 9—54866
Szczekowski, M. The fifth quark? 9—54372
Szczekowski, M. *see* Rek, Z. 9—89216
Szczepaniak, E. On singlet-triplet ferromagnet dynamics 9—73652
Szczepanski, W. *see* Gburski, Z. 9—90511
Szczurek, J. Computer codes for thermohydrodynamic calculation of pressurised water reactor cores 9—81031
Sze, D.K., Schluderberg, D.C. Load-levelling considerations for a pulsed fusion reactor 9—85799
Sze, R.C. Improved lasing performance of XeCl using Ar and Ne diluents 9—94212
Sze, R.C. *see* Loree, T.R. 9—59755
Sze, T.W. *see* Fong, C.P. 9—88182
Sze Nien Dak *see* Nien Dak Sze
Sze-Hon Kwan, White, R.M., Muller, R.S. Integrated ultrasonic transducer 9—50563
Szebehely, V. The restricted three-body problem: theory and application 9—58241
Szebehely, V. Stability of inner planetary systems 9—70975
Szebehely, V. Stability in dynamical astronomy 9—92656
Szebenyi, T. *see* Kowel, S.T. 9—50244, 9—72514
Szechter, A., Kowalsky, W.P., Schwarz, G. Average versus viable cell multiplicity in survival determination for mammalian cells in vitro 9—92304
Szechter, A., Schwarz, G., Barsa, J.M. Continuous and fractionated irradiation of mammalian cells in culture. I. The effect of growth rate 9—66493
Szecsi, L. *see* Bauer, W. 9—72140
Szedenits, E., Jr. *see* Zimmermann, M. 9—97271
Szeflinska, G., Szeflinski, Z., Wilhelmi, Z. Gamma-ray strength functions for A=70-90 nuclei 9—75902
Szeflinski, Z. *see* Szeflinska, G. 9—75902

Szeftel, J., Alloul, H. Study of the local structure in vitreous chalcogenides via measurement of asymmetry of the electric-field-gradient tensor 9—73847
Szego, J., Schmidt, F.W. Analysis of the effects of finite conductivity in the single blow heat storage unit 9—55316
Szego, J. *see* Schmidt, F.W. 9—55313
Szejwach, G., Desbois, M. Dynamic classification of messoscale cloud patterns 9—53476
Szekely, J., Dilawari, A.H., Metz, R. The mathematical and physical modeling of turbulent recirculating flows 9—55364
Szeles, A. Characterization of thin surface decomposited layers with ellipsometer 9—99198
Szeless, A. *see* Schneeberger, M. 9—71914
Szemplinska-Stupnicka, W. The modified single mode method in the investigations of the resonant vibrations of non-linear systems 9—86371
Szemplinska-Stupnicka, W. The effects of geometric nonlinearities on the resonant phenomena in multi-degree-of freedom systems 9—98648
Szentpeteri, G. Up-to-date radiographic working places 9—62352
Szep, I.C. *see* Barna, A. 9—55667
Szep, I.C. *see* Hoffmann, G. 9—99456
Szepan, R. Determining accuracy of receiver-controlled frequency standards 9—67259
Szepan, R. *see* Lender, R. 9—67288
Szepessy, L. *see* Manifacier, J.-C. 9—65945
Szeptycka, M. *see* Drijard, D. 9—89150
Szeto, L.H. *see* Silfvast, W.T. 9—94217
Szeverenyi, N.M. *see* Vold, R.R. 9—73840
Szigethy, D. *see* Mojzes, I. 9—95495
Szikali, J. *see* Fodor, I. 9—85430
Sziklai, J. *see* Kalman, P. 9—59371, 9—97991
Sziklas, J.J. *see* Dhawan, V.M. 9—70612
Szikora, S. *see* Bakos, J.S. 9—59809
Szilagyi, M. Model for describing emission characteristics of electron-beam evaporation sources 9—95279
Szilagyi, M. *see* Gallai, S. 9—76574
Szilard, J., Haynes, R. Ultrasonic detection of hydrogen embrittlement in steel 9—52613
Szirtes, L. *see* Zsinka, L. 9—91938
Szivek, J.A., Bobyn, J.D., Pilliar, R.M., Weatherly, G.C., Cameron, H.U. A laminated polymer-metal fixation plate. Reduced stress shielding with fracture stabilization 9—79685
Szklarska-Smialowska, Z., Mankowski, J. Crevice corrosion of stainless steels in sodium chloride solution 9—52422
Szklarska-Smialowska, Z. *see* Mrowczynski, G. 9—74309
Szklarz, E.G. *see* Stewart, G.R. 9—82356
Szklarz, G. *see* Cosme, G. 9—58968
Szklarz, R. *see* Cosme, G. 9—58968
Szlachetka, P., Kielich, S., Perina, J., Perinova, V. Dynamics of anticorrelation effects in Raman scattering by phonons 9—95747
Szlachetka, P. *see* Perinova, V. 9—89872, 9—89873
Szlaferek, A. *see* Kobe, S. 9—78283
Szlenk, K., Dziuba, Z., Galazka, R.R. Contribution of resonant states to the conductivity of HgTe 9—51577
Szmodits, K. Strength calculation of continuous multi-support sandwich beams 9—98612
Sznajd, J. *see* Klamut, J. 9—82792
Szodruch, J. Reynolds number influence on leeside flowfields 9—60003
Szoghy, I.M. *see* Rangacharyulu, C. 9—63663, 9—63674
Szoke, A. *see* Murray, J.R. 9—59756
Szollosi-Nagy, A. *see* Wood, E.F. 9—53381
Szonyi, L. *see* Dezsi, Gy. 9—88996
Szonyi, L. *see* Shanda, J. 9—88995
Szoplik, T. *see* Chalasinska-Macukow, K. 9—72526
Szostak, M.M. A polarized infrared and Raman spectroscopic study of the electrooptic crystal m-nitroaniline. I. Assignments of internal vibrations 9—61366
Szot, K. *see* Badurski, M. 9—82584
Szpikowski, S., Kaminski, W. Application of a new quasi-particle factorization scheme to nuclei in the $1f_{7/2}$- shell 9—80875
Szpor, S., Boryn, H., Beroual, A. Investigation of a sphere spark gap under an impulse wave 9—50900
Szpor, S., Wisniewski, A., Wesolowski, H., Zaremba, H. Specific resistance of ground and water in high Tatra 9—96735
Szprynger, A. *see* Gotze, W. 9—56010, 9—60592
Szpunar, B. Theoretical calculations of the mean magnetic moment in the $Dy_{1-x}Fe_x$, $Y_{1-x}Fe_x$ intermetallic compounds 9—82761
Szpunar, J., Gerward, L. Energy dispersive diffractometry for quantitative determination of texture 9—87818
Szrodt, J. *see* Jankowska, H. 9—70010
Sztatisz, J. *see* Kantor, T. 9—100477
Sztechman, T. *see* Bychawski, Z. 9—72913
Sztern, J. *see* Krishnan, R. 9—95607
Sztern, J. *see* Prasad, S. 9—73822
Sztern, J. *see* Suran, G. 9—78448
Sztyren, M. *see* Rogula, D. 9—67163
Szubanski, W. *see* Drobnik, A. 9—91458
Szuber, J., Salamon, B. Electron spin resonance study on low-pressure-baked silicon surfaces 9—82860
Szucs, Z. *see* Khan, H.R. 9—56388, 9—73645, 9—91208
Szudy, J. *see* Bielski, A. 9—54941
Szummer, A. *see* Kossakowska-Kisiel, Z. 9—90920
Szuszczewicz, E.P., Walker, D.N., Holmes, J.C., Leinbach, H. Plasma diffusion in a space-simulation beam-plasma-discharge 9—60108
Szuszkiewicz, M., Rozenfeld, B., Chojcan, J. Investigation of the electronic structure of Cr-Fe alloys by positron annihilation and the Mossbauer effect 9—82518
Szuszkiewicz, M. *see* Szuszkiewicz, S. 9—91524
Szuszkiewicz, S., Rozenfeld, B., Szuszkiewicz, M. Positron annihilation studies of the electronic structure of BCC Fe 9—91524
Szuszkiewicz, W. Optical determination of the Γ-point band structure parameters of HgSe 9—82523
Szutstakowski, M. *see* Ciurapinski, W. 9—82874
Szwarc, H. *see* Figuiere, P. 9—95122
Szwarc, M. *see* Dosser, L.R. 9—52695
Szwarnowski, S., Sheppard, R.J. A coaxial line system for measuring the permittivity of conductive liquids 9—93164
Szwed, J. *see* Nussinov, S. 9—71732
Szwed, R. *see* Aksinenko, V. 9—97713
Szwejkowski, J.M. *see* Bugajski, A. 9—66651
Szybinski, K. Satellite systems for meteorological needs 9—58219
Szybisz, L. Current state of the investigation of superallowed Fermi β decays 9—93563
Szycher, M., Daly, D.T., Robinson, W.J., Keiser, J.T., Haudenschild, C.C. Development of a percutaneous energy transmission system 9—92433
Szydlo, N., Olivier, J. Behavior of Au/InP Schottky diodes under heat treatment 9—78172
Szyjewicz, A., Kamal, A.N. Proton-proton bremsstrahlung 9—67584
Szymanowski, J. *see* Goszczynski, S. 9—74115
Szymanowski, L. *see* Lukaszuk, L. 9—54332
Szymanski, A. *see* Raabe, J. 9—78916
Szymanski, E.W., Rust, W.D. Preliminary observations of lightning radar echoes and simultaneous electric field changes 9—84372
Szymanski, J. Annealing textures of rolled aluminium crystals 9—91678
Szymanski, J.T. *see* Stewart, J.M. 9—99126, 9—99127
Szymanski, L. *see* Darek, B. 9—78725
Szymanski, M., Karolczak, J., Kaczmarek, F. Laser properties of praseodymium pentaphosphate single crystals 9—72572
Szymanski, W. Solar spot variability index of the solar cycle 9—58311
Szymanski, Z. High spin states in nuclei 9—71785
Szymaszek, J.W. *see* Arendt, R.H. 9—78920
Szymczak, H., Tsuya, N. Phenomenological theory of magnetostriction and growth-induced anisotropy in garnet films 9—95624
Szymczak, R., Maziewski, A., Piotrowski, K. Domain structure in weak ferromagnets near the Neel temperature 9—99739
Szymkowiak, A.E. *see* Pravdo, S.H. 9—92889
Szymonski, M. The energy distribution of sputtered Mg atoms 9—91549
Szymura, S., Sojka, L. Structure and magnetic properties of Fe-Cr-Co-Mo alloy melted in open induction furnace 9—61626
Szymura, S., Sojka, L. Permanent magnetic properties of Fe-Cr-Co-Mo alloy 9—79129
Szymura, S., Wyslocki, B. Prism-shaped closure domains on (110) surface of Fe-3.2% Si single crystals 9—69690
Szynarowska, M. *see* Dohnalik, A. 9—85928
Szypula, W. *see* Kaliski, S. 9—94276
Szyszkowski, W. The analysis of adaptation possibilities of some axisymmetrical shells after local buckling 9—64543

't Hof, C.A.van *see* van 't Hof, C.A.
't Hooft, G. A property of electric and magnetic flux in non-Abelian gauge theories 9—71606
't Hooft, G., Veltman, M. Scalar one-loop integrals 9—75682
'T Klooster, H.A.van *see* van 'T Klooster, H.A.
't Klooster, P.van *see* van 't Klooster, P.
Ta-Chung Meng *see* Meng Ta-Chung
Taam, R.E. Double core evolution and X-ray binaries 9—84816
Taarit, Y.Ben *see* Ben Taarit, Y.
Tabachnik, N. *see* Piomelli, S. 9—92190
Tabachnik, V.P., Fridman, L.A., Chernova, G.S., Fedorishcheva, E.E. Magnetization of massive objects with one pole of an electromagnet 9—50190
Tabachnik, V.P. *see* Mikheev, M.N. 9—70277
Tabadze, F.N. *see* Garibashvili, V.I. 9—70087
Tabaka, A. Data logger for precision measurement of resistance temperature detectors 9—88925
Tabaka, A. *see* Czarnota, I. 9—97388
Tabakin, F. *see* Epstein, G.N. 9—85456
Tabakin, F. *see* Rosenthal, A.S. 9—85550
Tabakman, H.D., Lin, Y.J. Stresses and displacements in simply supported curved plates subject to arbitrary temperature distribution 9—72814
Tabakoff, W., Kotwal, R., Hamed, A. Erosion study of different materials affected by coal ash particles 9—61745
Tabakova, L.V. *see* Rapoport, Yu.M. 9—98582
Tabakova, S.S., Zapryanov, Z.D. The flow field induced by oscillating movement of solid particle in a spherical container 9—50770
Tabary, F., Nelson, P., Lavergnat, G., Landau, M., Gedeon, G., Valentini, E. Study of the nervous command during walking 9—53184
Tabata, J., Takahira, A., Minowa, M., Nitta, K., Higashino, Y. The Ume-2 ionosphere-sounding satellite 9—88564
Tabata, S. An evaluation of the quality of sea surface temperatures and salinities measured at Station P and Line P in the Northeast Pacific Ocean 9—79853
Tabata, Y., Tanaka, J., Tagawa, S., Katsumura, Y., Ueda, T., Hasegawa, K. A 35 MeV electron linear accelerator project at Nuclear Engineering Research Laboratory, University of Tokyo 9—54620
Tabata, Y. *see* Hashimoto, E. 9—78557
Tabata, Y. *see* Tagawa, S. 9—79266, 9—79267
Tabata, Y. *see* Yanagi, H. 9—54471
Tabbara, W. Scattering by a hole in the surface of a conducting body review of some approaches 9—76550
Tabche-Fouhaille, A. *see* Baer, T. 9—50092
Tabe, M., Nakamura, H. Segregation and desorption kinetics for evaporation of arsenic from silicon 9—99410
Taber, L.A. *see* Steele, C.R. 9—70555, 9—70556
Taber, M.A. Nuclear relaxation of polarized ^{3}He diluted by liquid ^{4}He at 4K in low magnetic fields 9—51365
Tabibi, M.B. *see* Rezaev, N.I. 9—55184
Taboada, J., Duelm, A.J. Shearing interferometer with scanned photodiode array and microcomputer for automatic transparency distortion measurements 9—80675
Tabor, D. *see* Doyle, E.D. 9—52387
Tabor, H. Status report on selective surfaces 9—62026
Tabor, J.H. *see* Moriarty, K.J.M. 9—63557
Tabor, S.L. *see* Collins, M.T. 9—63649
Tabrah, F.L., Guernsey, D.L., Chou, S.-C., Batkin, S. Effect of alternating magnetic fields (60-100 gauss, 60 Hz) on Tetrahymena pyriformis 9—83814
Tabuki, T. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Tabulina, L.V., Efros, M.D. Influence of the chemical nature of aluminum-containing compounds on the phase composition and sorption properties of the system Al_2O_3-B_2O_3 9—51426
Tabushi, I., Kobuke, Y., Nishiya, T. Extraction of uranium from seawater by polymer-bound macrocyclic hexaketone 9—92052
Tabuteau, A., Cousson, A., Pages, M., Gasperin, M. The crystal structure of the neptunium metavanadate $Np(VO_3)_4$ 9—99133
Tabuteau, A. *see* Cousson, A. 9—55704
Tachez, M., Theobald, F., Watson, K.J., Mercier, R. Redetermination of the structure of vanadyle pentahydrate sulphate $VOSO_4.5H_2O$ 9—73138
Tachi, S., Moritani, A., Nakai, J. Schottky-barrier ellipsometric electroreflectance in GaAs 9—99853
Tachibana, A., Yamabe, T., Fukui, K. On the virial of quasi-stationary molecular systems 9—72374
Tachibana, T., Furuya, H., Koizumi, M. Effect of temperature and deformation rate on fracture strength of sintered uranium dioxide 9—79074
Tachibana, T. *see* Urao, R. 9—87718
Tachikawa, E. *see* Motojima, K. 9—89394
Tachikawa, E. *see* Nakashima, M. 9—52644
Tachikawa, H., Faulkner, L.R. Exciton collection from an antenna system into accessible traps 9—62018
Tachikawa, K. Recent developments in high-field superconductors 9—61015
Tachikawa, K. *see* Kawamura, H. 9—60830
Tachikawa, K. *see* Togano, K. 9—82726
Tachikawa, N. *see* Enomoto, S. 9—75491
Tachikawa, N. *see* Tominaga, H. 9—66389
Tachiki, M. *see* Maekawa, S. 9—56461
Tachiki, M. *see* Seki, S. 9—73669
Tachiki, M. *see* Treder, R. 9—91279
Tachimori, S. Radiation damage of organic extractant in partitioning of high-level liquid waste. I. Radiolysis of Di(2-ethylhexyl)phosphoric acid by irradiation with cobalt-60 gamma-rays 9—67879
Tachimori, S., Sato, A., Nakamura, H. Separation of transplutonium and rare-earth elements by extraction with di-isodecyl phosphoric acid from DTPA solution 9—97881
Tachimori, S. *see* Nakamura, H. 9—49705
Tachin, V.S. *see* Ermolaev, V.L. 9—54880
Tachiwaki, T. *see* Uyeha, H. 9—50793

Tachiya, M. Theoretical expression for Warman et al.'s parameter α in electron scavenging 9—70354

Tachiya, M. Two-step tunnelling of the electron to scavengers 9—96288

Tachiya, M. *see* Sano, H. 9—100409

Tacke, M. *see* Walzer, K. 9—59448

Taconis, K.W. *see* Hartoog, A. 9—55955

Taconis, K.W. *see* Verbeek, H.J. 9—55956

Taczanowski, S. *see* Basu, T.K. 9—59255

Tada, K. *see* Tsuji, Y. 9—87092

Tada, M. *see* Fujita, K. 9—78935, 9—78936

Tada, M. *see* Tanimura, S. 9—52474

Tada, O., Kondo, T. Improved sputtering technique of $Bi_4Ti_3O_{12}$ and PLZT by using coaxial magnetron system 9—83123

Tadano, H. *see* Nishizawa, J. 9—95284

Taddei-Ferretti, C., Cordella, L., Chillemi, S. HYDRA simple nervous system and behavior 9—83738

Tadic, D. *see* Barroso, A. 9—59074

Tadic, D. *see* Galic, H. 9—80780

Tadic, D. *see* Guberina, B. 9—67520

Tadokoro, H. *see* Takahashi, Y. 9—55674, 9—86720

Tadokoro, H. *see* Tashiro, K. 9—65872

Tae W. Nam *see* Yoon W. Park 9—87664

Taenzer, J.C. *see* Havlice, J.F. 9—66579

Taesler, R. *see* Hogstrom, U. 9—53419

Taevere, E.D. *see* Voznaya, E.E. 9—56045

Taeyoung Han, Patel, V.C. Flow separation on a spheroid at incidence 9—72878

Taff, L.M., Sporrel, F. An incremental compiler for data acquisition 9—89550

Taff, L.M. *see* Bartlett, J.F. 9—89535

Taff, L.M. *see* Martin, R.G. 9—89568

Taffara, L. *see* Anni, R. 9—63687

Taflin, E. Classical V-A theory and non-conservation of the dynamical parity 9—54014

Taft, E., Cordes, L. Optical evidence for a silicon-silicon oxide interlayer 9—69800

Taft, R.W. *see* Abboud, J.-L.M. 9—91913

Taft, V.I. *see* Shakhnazarov, Yu.V. 9—83330

Tafto, J. Channelling effects in electron induced X-ray emission from diatomic crystals 9—56888

Tagai, T. *see* Korekawa, M. 9—94970

Tagare, S.G. Stability of flows in a relaxing gas in the neighbourhood of equilibrium position 9—77071

Tagare, S.G. *see* Shukla, P.K. 9—70916

Tagashira, H. *see* Sakai, Y. 9—55109

Tagawa, S., Katsumura, Y., Tabata, Y. The ultra-fast process of picosecond time-resolved energy transfer in liquid cyclohexane by picosecond single-pulse radiolysis 9—79267

Tagawa, S., Tabata, Y. Selective and resonant capture of a dry hole in irradiated nitrobenzene solutions using nanosecond pulse radiolysis 9—79266

Tagawa, S. *see* Tabata, Y. 9—54620

Tagawa, T., Mori, J. Observations of the internal lamellar structure in polyethylene films by ion-etching and SEM technique 9—73076

Tagawa, T., Mori, J., Aita, S., Ogura, K. Application of the high resolution SEM to the fine structure study of polyethylene 9—51007

Tagawa, Y. *see* Yamashita, T. 9—83839

Tager, A.A., Vshivkov, S.A., Pridannikova, N.A. Phase equilibrium, structure and thermodynamic stability of the solutions of crystallizable polymer 9—86871

Tager, A.A. *see* Adamova, L.V. 9—65204

Tager, A.A. *see* Kogan, Sh.M. 9—73545

Tagesson, B. *see* Hoffmann, H. 9—74423

Taggart, G.B. Correlation function approach to multicompoent systems: Three-body potentials in ternary alloys 9—69451

Taggart, G.B. Correlation function approach to multicomponent systems: quaternary alloys 9—73288

Taggart, G.B. Correlation-function approach to multicomponent systems Ternary alloys at intermediate temperatures 9—95164

Taghavi-Tafreshi, K., Dhir, V.K., Catton, I. Study of heat transfer associated with melting of horizontal substrate 9—49669

Taghipour, A., Brennen, W. $N(2p^3\ ^2P^0)$ in the nitrogen afterglow 9—49951

Tagiev, B.G., Niftiev, G.N., Aliev, N.A., Pliev, F.L., Medzhidov, A.B., Gasanov, I.A. Energy spectrum of local levels in Ga chalcogenides 9—51517

Tagiev, M.M. *see* Allakhverdiev, K.R. 9—78680

Tagior, R.K. Flow of ideal gas in tapering nozzles 9—81944

Tagirov, E.A., Todorov, I.T. A geometric approach to the solution of conformal invariant non-linear field equations 9—93273

Tagirov, E.A. *see* Il'in, S.B. 9—88853

Tagirov, L.R. *see* Kochelayev, B.I. 9—51719

Tagirov, M.S. *see* Abdulsabirov, R.Yu. 9—61243

Tagirov, M.S. *see* Antipin, A.A. 9—95643

Tagirov, R.I. *see* Glazer, A.A. 9—82839

Tagirov, R.K. Numerical investigation of the flow in axisymmetric Laval nozzles including conditions of overexpansion with flow breakaway 9—90304

Tagirov, V.I., Ismailov, I.M., Khusein, A.Kh. Investigation of the absorption band edge of In_6S_7 9—69840

Tagirov, V.I. *see* Abdullaev, G.B. 9—73580

Tagirov, V.I. *see* Gasanly, N.M. 9—55842

Tagirova, R.Kh. *see* Terekhov, G.I. 9—73496

Tagishi, Y., Katori, K., Sasagase, M., Sato, M., Mikumo, T. J dependence of the analyzing power for (p,α) reactions 9—67740

Tagishi, Y., Sanada, J. A Lamb-shift polarized ion source for the tandem accelerator center, the University of Tsukuba 9—93853

Tagishi, Y. *see* Furuno, K. 9—54621

Tagishi, Y. *see* Sanada, J. 9—71836, 9—71857

Taglanov, M.M. *see* Atenelashvili, M.I. 9—84626

Taglauer, E., Heiland, W., MacDonald, R.J., Tolk, N.H. The excitation of He scattered from Pb 9—89762

Taglauer, E. *see* Englert, W. 9—65324

Taglauer, E. *see* Heiland, W. 9—69943

Tagliacozzo, A., Tosatti, E. Effects of spin-orbit coupling on charge- and spin-density waves 9—91009

Tagliaferri, G. *see* Grassi Strini, A.M. 9—85053

Tagliaferri, G. *see* Strini, A.M. 9—97544

Tagliaferri, G. *see* Strini, A.M.G. 9—71675

Taguchi, H., Fujii, K. A model for central integration function in arm movement control 9—83757

Taguchi, H., Shimada, M., Koizumi, M. The effect of oxygen vacancy on the magnetic properties in the system $SrCoO_{3-\delta}$ $(0<\delta<0.5)$ 9—95587

Taguchi, O. *see* Hashimoto, Y. 9—61749

Taguena-Martinez, J., Sansores, L.E., Elliott, R.J. Excitations in the Heisenberg antiferromagnet at finite temperature using coherent potential approximation 9—56554

Taguena-Martinez, J., Sansores, L.E., Elliott, R.J. Spin waves in a Heisenberg antiferromagnet at finite temperature using the coherent potential approximation 9—73728

Taguena-Martinez, J., Sansores, L.E., Silva, N.R. Excitations in the anisotropic Heisenberg antiferromagnet at finite temperature using the coherent potential approximation 9—95562

Tagyev, M.M. *see* Abdullaev, G.B. 9—87443

Tahara, S. *see* Oka, S. 9—57560

Taher, M. *see* van der Vloedt, A.M.V. 9—62303

Taher, S.M.A. *see* Ho, J.C. 9—60518

Taheri, S.H., Steinberg, B. A measurement system and analysis procedure for determining the spatial phase structure function of ionospherically reflected waves 9—84505

Tahir, M.I. Effect of Mn and Mo on the mechanical properties of 18 Cr-12 Ni austenitic stainless steels 9—96039

Tahir-Kheli, R.A. Effects of random dilution of spin-wave response in ferromagnetic bi-layer compounds 9—61236

Tahir-Kheli, R.A. Effects of randomness on n-layer Heisenberg magnets 9—78296

Tahmasbi, A.R., Hirsch, J., Kolendowicz, J.Z. Tests of a trap-controlled hopping model for PVK 9—56226

Tai, A., Cindrich, I., Fienup, J.R., Aleksoff, C.C. Optical residue arithmetic computer with programmable computation modules 9—98296

Tai, A., Yu, F.T.S. Synchronous dual-channel optical spectrum analyzer 9—72499

Tai, A., Yu, F.T.S. Wideband spectrum analysis with area modulation: authors' reply to comment 9—94160

Tai, A. *see* Yu, F.T.S. 9—98293

Tai, C., Dalby, F.W., Giles, G.L. Spectroscopy of doubly resonant third-harmonic generation in I_2 9—93984

Tai, D. *see* Wrede, D. 9—53250

Tai, M. *see* Yoshikawa, S. 9—88283

Tai, P. *see* Park, J.G. 9—60994

Tai, P.C.L. *see* Gibson, B.C. 9—60969

Tai, R.C., Hsin-Kang Chang A mathematical study of non-equimolar ternary gas diffusion 9—94761

Tai Chang-ta, Pu Chao-tun, Msu-Pin-Pin, Tseng Chi-yuan Application of remote sensing data in comprehensive investigation of virgin land resources 9—53551

Tai Kang Suk *see* Suk Tai Kang

Tai Tsun Wu *see* Bourrely, C. 9—89178

Tai Tsun Wu *see* Tjon, J. 9—54034

Tai-il Mah, Mazdiyasni, K.S., Ruh, R. The role of cerium orthosilicate in the densification of Si_3N_4 9—61549

Tai-Lin Hong, Helmberger, D.V. Glorified optics and wave propagation in nonplanar structure 9—66629

Tai-Ping Liu Quasilinear hyperbolic systems 9—86511

Tai-Ping Liu *see* Antman, S.S. 9—49051

Taillet, J. Plasma physics: ion energy in RF plasma etching 9—73049

Taimatsu, H. *see* Ogino, K. 9—99398

Tainaka, K. Study of complex coacervation in low concentration by virial expansion method. I. Salt-free systems 9—77750

Tainaka, K. Calculation of fourth and fifth virial coefficients and osmotic pressure of low concentrated polymer solutions 9—90751

Taine, J., Lepoutre, F. A photoacoustic study of the collisional deactivation of the first vibrational levels of CO_2 by N_2 and CO 9—98187

Taine, J. *see* Lepoutre, F. 9—54943

Taira, K. *see* Akashi, M. 9—63562

Taira, K. *see* Ueno, H. 9—70294, 9—95192

Taira, S., Ohtani, R., Kitamura, T., Yamada, K. J-integral approach to crack propagation under combined creep and fatigue condition 9—83303

Taira, S., Tanaka, K. Thickness effect of notched metal sheets on deformation and fracture under tension 9—70113

Taira, S., Tanaka, K., Nakai, Y. A model of crack-tip slip band blocked by grain boundary 9—50665

Taira, S., Tanaka, K., Nakai, Y. Acoustic emission and crack-tip plasticity in structural low-carbon steel 9—66150

Taira, S. *see* Tanaka, K. 9—96116

Taira, T. *see* Akashi, M. 9—63562

Taira, T. *see* Nishimura, J. 9—80153

Taira, T. *see* Tsuchiya, M. 9—93255

Taira, Y., Yajima, T. High power subpicosecond pulse generation from a synchronously pumped dye laser combined with an external compressor 9—55148

Tairov, B.D. *see* Bazarov, B.A. 9—62002

Tairov, Y.M. *see* Lilov, S.K. 9—94951

Tairov, Yu.M. *see* Grekhov, V.M. 9—52009

Tairov, Yu.M. *see* Levin, V.I. 9—95912

Tairov, Yu.M. *see* Lilov, S.K. 9—65989

Tais, A. *see* Apel', V.D. 9—67609

Tais'eva, V.A. *see* Turik, A.V. 9—87375

Tait, B.L. *see* Bourne, O.L. 9—55143

Tait, D. *see* Smith, D.C.G. 9—97779

Tait, G. *see* Eubank, H. 9—82074

Tait, J.H., Rose, G.K. The real time video vector display of ground reaction forces during ambulation 9—96688

Tait, N.R.S., Tolfree, D.W.L., Whitmell, D.S., Armitage, B.H. The behaviour and physical characteristics of carbon stripper foils prepared by different methods 9—76240

Tait, N.R.S. *see* Armitage, B.H. 9—76249

Tait, R.A. *see* McLaughlin, E.C. 9—52355

Tait, R.H., Suna, A., Chiang, G.C. Ultraviolet photon-induced secondary electron emission from TiO_2: Theory and experiment 9—78835

Tait, R.H. *see* Suna, A. 9—52079

Tajika, M. *see* Hojo, J. 9—100068

Tajima, H., Shimozuru, D., Oshima, H., Yokoyama, I. Bouguer Anomaly and changes in gravity over the Asama and Kusatsu-shirane Volcanos 9—70733

Tajima, K. *see* Gershfeld, N.L. 9—74603

Tajima, K. *see* Ishikawa, Y. 9—56521

Tajima, K. *see* Takel, K. 9—87238

Tajima, M., Kanamori, A., Iizuka, T. Photoluminescence spectra of thermal donors in silicon 9—87499

Tajima, M., Kishino, S., Izuka, T. Photoluminescence analysis of annealed silicon crystals 9—87500

Tajima, N. *see* Aguirre, C. 9—62699

Tajima, N. *see* Kirihata, H. 9—100029

Tajima, T. Stability theory of a relativistic electron beam-plasma system with finite geometries 9—68919

Tajima, T., Dawson, J.M. An electron accelerator using a laser 9—76166

Tajima, T., Dawson, J.M. Laser electron accelerator 9—81103

Tajima, T. *see* Leboeuf, J.N. 9—68932, 9—68948, 9—90420

Tajima, Y. *see* Maeda, O. 9—96151

Tajima, Y.A. *see* Sandorff, P.E. 9—65252

Tajiri, T. *see* Fujii, K. 9—99014

Tajmir-Riahi, H.-A. *see* Bullock, J.I. 9—99171

Tak, S.S. *see* Bansal, J.L. 9—60041

Tak, W.K., Munzenrider, J.E., Mitchell, G.W., Jr. External irradiation and one radium application for carcinoma of the cervix 9—88158

Tak-Chee Chan *see* Mikielewicz, J. 9—98790

Takabatake, T., Mazaki, H. Effect of iron impurities on the superconductivity in granular technetium 9—61007

Takabayasi, T. Covariant wave equations of two spinning particles harmonically bound 9—71692

Takacs, G.A. *see* Uthman, A.P. 9—50038

Takacs, J. Transient behaviour of Van de Graaff generators using up-charge and down-charge processes 9—76178

Takacs, L. On an urn problem of Paul and Tatiana Ehrenfest 9—71384

Takacs, S. The volume pinning force for periodical interaction forces between defects and the flux line lattice 9—95553

Takada, J. *see* Ishihara, N. 9—85860

Takada, J. *see* Takeuchi, T. 9—66435

Takada, J. *see* Tamai, T. 9—54982

Takada, K., Tazaki, S. Quasiparticle-shell-model calculations of so-called two-phonon states in Cd and Sn isotopes 9—89251

Takada, K. *see* Kobayashi, Y. 9—57741

Takada, M., Hayashi, H. Distribution of cadmium in the cross-section of cadmium treated abdominal skin of a bullfrog. Analysis of Cd with an electron probe X-ray microanalyzer 9—79707

Takada, S. *see* Ohnari, I. 9—60468

Takada, S. *see* Yamanaka, S. 9—88023
Takada, T., Watanabe, T. The universality test of α and α' for $^3He/^4He$ mixing system near the lambda transition 9—51364
Takada, Y. *see* Komatsu, K. 9—71889
Takagahara, T. *see* Hanamura, E. 9—91425, 9—95763
Takagahara, T. *see* Kubo, R. 9—94201
Takagi, A., Hasegawa, A., Umino, N., Suzuki, Z. Seismic activity in the northeastern Japan arc 9—57875
Takagi, A. *see* Katsumoto, T. 9—74801
Takagi, A. *see* Sakaue, T. 9—68093
Takagi, F. Fast knocked-out protons, slow pions and mean effective mass number in hadron-nucleus collisions 9—63704
Takagi, F. Parton recombination and cumulative hadron production off nuclei 9—71773
Takagi, H., Tsunashima, S., Uchiyama, S., Fujii, T. Stress induced anisotropy in amorphous Gd-Fe and Tb-Fe 9—73706
Takagi, H. *see* Ohashi, K. 9—73780
Takagi, H. *see* Teramoto, I. 9—66181
Takagi, K. Infrared-microwave double resonance in CH_3OH using a Zeeman-tuned 3.5-μm He-Xe laser 9—64023
Takagi, K., Hiramatsu, K., Yamamoto, T., Hashimoto, K. Studies on road traffic noise based on models of traffic flow 9—52999
Takagi, K., Horii, K. A calculation method of flashover voltage of uniform-field gaps under steep-front impulse voltages 9—64932
Takagi, K., Kubota, Y., Miyahara, A. Characteristics of co-axial Marx generator and its application to electron beam fusion 9—76177
Takagi, M. Biomedical image processing and pattern recognition 9—62400
Takagi, M., Akaba, N., Suzuki, S. Domain formation in ferroelectirc $BaTiO_3$ studied by X-ray topography. II 9—78638
Takagi, M., Sakaue, K. The analysis of moving granules in a pancreatic cell by digital moving image processing 9—84063
Takagi, M., Tamura, K. Measurement of sea surface temperature from the meteorological satellite (NOAA) images 9—100990
Takagi, M. *see* Akaba, N. 9—65815
Takagi, R. *see* Okada, I. 9—60534
Takagi, S. Steady in-plane deformation of non-coaxial plastic soil 9—84279
Takagi, S., Ohtou, Y., Nakaoka, A., Inoue, T., Kanbe, H., Fukushima, M., Koyama, H., Sakagishi, K. Determination of fallout nuclides by the 19th Chinese nuclear explosion test 9—54601
Takagi, S. *see* Iwasaki, M. 9—54402
Takagi, S. *see* McClure, M.G. 9—90840
Takagi, S.F. *see* Kogure, S. 9—92243
Takagi, S.F. *see* Mori, K. 9—92244
Takagi, T., Hyun-Dong Shin, Okamoto, T. Measurements of turbulence and its statistical properties in turbulent diffusion flames 9—81939
Takagi, T., Yamada, I., Matsubara, K. Ionized-cluster beam deposition and epitaxy 9—83137
Takagi, T., Yamada, I., Sasaki, A. Properties of an ionised-cluster beam from a vaporised-cluster ion source 9—49337
Takagi, T. *see* Ishikawa, T. 9—96174
Takagi, Y. Clausius-Mossotti's formula and irreducible susceptibility of a crystal 9—65802
Takagi, Y. Derivation and characteristics of a generalized form of susceptibility used in the analysis of Raman line shape for an overdamped mode 9—91426
Takagi, Y., Shigenari, T. Analysis of Raman spectra of the overdamped mode in $KH_{2(1-x)}D_{2x}PO_4$ crystals with single-mode line shape functions 9—91427
Takagi, Y. *see* Hasegawa, J. 9—57761, 9—88183
Takagi, Y. *see* Kameyama, H. 9—91383
Takagi, Y. *see* Midorikawa, M. 9—61394
Takagishi, S., Miyazaki, T., Mori, H., Kozakai, T. Modulated structure in iron-molybdenum alloys 9—100192
Takagishi, S. *see* Miyazaki, T. 9—100184
Takahara, M. Considerations on optimum receiver for optical fiber analog transmission systems 9—68449
Takahara, T. *see* Inaki, Y. 9—52707
Takahashi, A., Yamamoto, J., Ebisuya, M., Sumita, K. Method for calculating anisotropic neutron transport using scattering kernel without polynomial expansion 9—67936
Takahashi, A. *see* Ushijima, T. 9—92627
Takahashi, E. Partitioning of Ni^{2+}, Co^{2+}, Fe^{2+}, Mn^{2+} and Mg^{2+} between olivine and silicate melts: compositional dependence of partition coefficient 9—66683
Takahashi, H. Uranium and thorium fuel cycle in linear accelerator driven and regenerative reactors 9—81064
Takahashi, H. System study of Brookhaven National Laboratory linear accelerator reactor 9—93801
Takahashi, H., Batista, P.P., Clemesha, B.R., Simonich, D.M., Sahai, Y. Correlations between OH, Na D and O I 5577 Å emissions in the airglow 9—80067
Takahashi, H., Gros, J., Higuchi, H., Morgan, J.W., Anders, E. Volatile elements in chondrites: metamorphism or nebular fractionation? 9—66966
Takahashi, H., Hosoya, Y. Variations in chemical species in the groundwater around the Asama Volcano. Relation of the explosive activity in 1973 9—70814
Takahashi, H., Takeyama, T., Hara, T. Electron microscopic study of micro-crack formed by hydrogen precipitation in pure iron 9—70071
Takahashi, H. *see* Grand, P. 9—81062
Takahashi, H. *see* Hamada, K. 9—62456
Takahashi, H. *see* Matsunaga, S. 9—71881
Takahashi, H. *see* Omata, I. 9—54561
Takahashi, H. *see* Steinberg, M. 9—67980
Takahashi, H. *see* Yamamizu, F. 9—62457
Takahashi, I. *see* Irie, T. 9—81772
Takahashi, J. *see* Fujino, Y. 9—60416
Takahashi, J. *see* Yamaguchi, S. 9—65131
Takahashi, J. *see* Yamane, T. 9—52221
Takahashi, K. Soliton solutions of nonlinear Dirac equations 9—71591
Takahashi, K. Color vanishing solitons from nonlinear Dirac equation 9—71693
Takahashi, K. Non-linear free vibrations of inextensible beams 9—81791
Takahashi, K. Etch pit pattern of GaAs crystals made by light irradiated electrolytic etching 9—95012
Takahashi, K., Chishaki, T. Free vibrations of two-way continuous rectangular plates 9—68631
Takahashi, K., Nagai, A., Miyauchi, Y., Hyodo, S. PMMA fracture surface produced by ultrasonically modulated tensile stress 9—91815
Takahashi, K., Tanaka, M. Spin-one Ising model with bilinear and biquadratic interactions 9—65677
Takahashi, K. *see* Charan, S. 9—57427
Takahashi, K. *see* Hu, L.F. 9—78630
Takahashi, K. *see* Ishihara, N. 9—85860
Takahashi, K. *see* Kichimi, H. 9—89207
Takahashi, K. *see* Mitsumata, T. 9—83589
Takahashi, K. *see* Saito, T. 9—80092
Takahashi, K. *see* Sugahara, R. 9—93453
Takahashi, K. *see* Suzuki, T. 9—91175
Takahashi, K. *see* Tanaka, M. 9—78418
Takahashi, M. Single band Hubbard model with infinite repulsion on 2×2×2 lattice 9—87225
Takahashi, M., Koshimura, M. Mossbauer effect of amorphous Fe-P alloys 9—51886
Takahashi, M., Miyazaki, T. Magnetic anisotropy in an amorphous $Fe_{80}P_{13}C_7$ alloy 9—65670
Takahashi, M., Miyazaki, T., Watanabe, A. The change in static magnetic properties with isothermal annealing in amorphous ferromagnetic alloys 9—52398
Takahashi, M., Okamoto, A. Effects of nitrogen content on recrystallization textures of low-carbon steel sheets 9—83233
Takahashi, M., Suzuki, T. Temperature dependence of magnetic domain structures in H.C.P. cobalt single crystals 9—78436
Takahashi, M. *see* Kurihara, A. 9—58740
Takahashi, M. *see* Mitamura, Y. 9—84021
Takahashi, M. *see* Niwa, M. 9—79319
Takahashi, M. *see* Onuma, T. 9—96708
Takahashi, M. *see* Sakai, Y. 9—55109
Takahashi, M. *see* Suzuki, S. 9—55876
Takahashi, R. *see* Yoshino, K. 9—82925, 9—91364
Takahashi, S., Shibata, S. Thermal variation of attenuation for optical fibers 9—50390
Takahashi, S. *see* Mitachi, S. 9—59853
Takahashi, S. *see* Shimizu, K. 9—84052
Takahashi, S. *see* Suzuki, K. 9—94522
Takahashi, T., Harada, Y., Hino, S. Reversible and irreversible photostructural changes in amorphous GeS_2 studied by UPS 9—74061
Takahashi, T., Itoh, H. TiC_xN_y and TiC_x-TiN films obtained by CVD in an ultrasonic field 9—65338
Takahashi, T., Itoh, H., Takeuchi, A. Chemical vapor deposition of hexagonal boron nitride thick film on iron 9—87586
Takahashi, T., Iwamoto, H., Inoue, K., Tsujimoto, I. Quiescent and strain-induced crystallization of poly(p-phenylene terephthalamide) from sulfuric acid solution 9—90571
Takahashi, T., Kikuta, S. Variation of the yield of photoelectrons emitted from a silicon single crystal under the asymmetric diffraction condition of X-rays 9—65972
Takahashi, T., Kikuta, S. Variation in the yield of photoelectrons emitted from (111) and ($\bar{1}\bar{1}\bar{1}$) surfaces of a gallium phosphide crystal with the diffracion condition of X-rays 9—91562
Takahashi, T., Kuwabara, K. Electrical conductivities of potassium ferrites doped with divalent metal oxide 9—87135
Takahashi, T., Lee, S.-M. The nuclei mass range most efficient for the initiation of warm cloud showers 9—58029
Takahashi, T., Okazaki, H. Epitaxial crystallization of polyoxymethylene during cationic polymerization of trioxane 9—55676
Takahashi, T. *see* Arai, E. 9—85431
Takahashi, T. *see* Asano, K. 9—83071, 9—99599
Takahashi, T. *see* Furumura, Y. 9—61400
Takahashi, T. *see* Harada, Y. 9—52693
Takahashi, T. *see* Iijima, T. 9—76704
Takahashi, T. *see* Oka, Y. 9—51452
Takahashi, Y. High energy interactions and cosmic-ray components in the atmosphere 9—62708
Takahashi, Y., Kurumizawa, T., Kusanagi, H., Tadokoro, H. Molecular conformation and crystal structure of the β form of poly(ethylene oxybenzoate) 9—55674
Takahashi, Y., Moriya, T. A theory of nearly ferromagnetic semiconductors 9—65636
Takahashi, Y., Tadokoro, H. Least-squares refinement of molecular structure of polyoxymethylene 9—86720
Takahashi, Y. *see* Fumuro, F. 9—62705
Takahashi, Y. *see* Moriya, T. 9—65687
Takahashi, Y. *see* Motojima, S. 9—66009, 9—66010
Takahashi, Y. *see* Ohbuchi, Y. 9—93133
Takahashi, Y. *see* Ohta, I. 9—49905
Takahashi, Y. *see* Stuart, C.I.J.M. 9—57622
Takahashi, Y. *see* Sugiyama, K. 9—61509
Takahashi, Y. *see* Yokokawa, H. 9—90795, 9—91240, 9—95179
Takahasi, H. *see* Eubank, H. 9—82074
Takahasi, H. *see* Hashimoto, F. 9—82590
Takahasi, K. *see* Sugahara, R. 9—93454
Takahasi, M. *see* Nagai, K. 9—57257
Takahasi, W. *see* Konisi, G. 9—93348
Takahira, A. *see* Tabata, J. 9—88564
Takai, M., Colvin, J.R. Single crystals of a soluble polyglucosan from Acetobacter xylinum: Resemblance of their internal structure to that of Cellulose Hydrate II 9—94121
Takai, N., Asakura, T. Contrast of time-averaged speckle patterns at a defocused image plane 9—72491
Takai, N., Asakura, T. Dynamic statistical properties of vibrating laser speckle in the diffraction field and its application to vibration analysis 9—76595
Takai, N., Asakura, T. Contrast of time-averaged speckle patterns produced by small vibrations of diffuse objects 9—94169
Takai, N., Iwai, T., Ushizaka, T., Asakura, T. Velocity measurement of the diffuse object based on time-differentiated speckle intensity fluctuations 9—97366
Takai, Y., Kato, H., Ishii, K., Mizutani, T., Ieda, M. High field conduction in poly(p-xylylene) thin films 9—99647
Takai, Y., Mori, K., Mizutani, T., Ieda, M. Thermoluminescence from photoexcited polyethylene terephthalate 9—61445
Takajo, S., Endo, I., Kajinaga, Y., Itoh, S. Induction heating mechanism of packed metal powders 9—59615
Takaki, S., Tokunaga, Y. The strengthening of 18%Ni maraging steel by the repeated strain ageing 9—100157
Takaku, H. *see* Higashiguchi, Y. 9—51157
Takakuda, K. *see* Hattori, M. 9—50565
Takakura, K. *see* Imai, Y. 9—70375
Takakura, T. Low frequency turbulence in the solar corona and fundamental radiation of type III solar radio burst 9—84778
Takakura, T. Numerical simulation of type III solar radio bursts caused by high-density electron beam 9—84779
Takakusa, Y., Hyodo, T. A liquid helium cryostat for positron annihilation 2γ angular correlation measurements 9—93148
Takalo, T. *see* Suutala, N. 9—61579
Takamatsu, S. *see* Miyazawa, T. 9—97856
Takamatsu, T. *see* Miura, K. 9—77439
Takamazyan, A.S. *see* Nakhutin, I.E. 9—76092
Takami, K. *see* Tanaka, E. 9—66522
Takami, M. Infrared-microwave double resonance of NH_3 using a tunable diode laser 9—81221
Takami, M., Jones, H., Oka, T. Transition dipole moments of NH_3 in excited vibrational states determined by laser Stark spectroscopy 9—68261
Takamiya, S. *see* Namizaki, H. 9—86186
Takamiya, S. *see* Susaki, W. 9—86188
Takamori, T., Tomozawa, M. Viscosity and microstructure of phase-separated borosilicate glasses 9—99343
Takamori, T. *see* Tomozawa, M. 9—100276
Takamuku, S. *see* Osamura, K. 9—56989
Takamura, J. *see* Ohtani, Y. 9—52314
Takamura, S. The recovery stage of vacancies in Mo, W and Fe studied by doping experiments 9—51102
Takanari, S. *see* Nishimura, J. 9—80218
Takanashi, H. *see* Imai, H. 9—50295
Takanashi, Y. *see* Horikoshi, Y. 9—98374
Takano, H. *see* Suzuki, M. 9—63088
Takano, I. *see* Suzuki, Y. 9—50191
Takano, K., Masuda, T., Onda, K. System efficiencies of CO electric discharge lasers 9—64206
Takano, K. *see* Tsu, Y. 9—60438
Takano, M. Microwave spectrum of 3-iodopropene in its torsionally excited states 9—63986
Takano, M., Ogawa, Y. Stability analysis of chemical fine-control reactor in state space 9—97822
Takano, M. *see* Nagasawa, A. 9—91647
Takano, M. *see* Sasada, Y. 9—63988

Takano, M. *see* Shimada, M. 9—60498
Takano, M. *see* Teramoto, K. 9—100290
Takano, S. *see* Fujii, K. 9—60207
Takano, T. *see* Ueyama, N. 9—91665
Takano, Y. *see* Kokko, J. 9—55995
Takano, Y. *see* Shintani, A. 9—65336
Takano, Y. *see* Zenitani, Y. 9—52991
Takao, K. *see* Sakamoto, Y. 9—65255
Takao, S. *see* Firestone, R.F. 9—52667
Takaoka, H. *see* Jumonji, H. 9—54103
Takaoka, H. *see* Wada, K. 9—99222
Takaoka, N. *see* Nagao, K. 9—88314
Takasakahashi, H. *see* Sato, K. 9—70813
Takasaki, E. *see* Ando, A. 9—76185
Takasaki, H. *see* Umeda, N. 9—64254
Takasaki, M. *see* Kurokawa, S. 9—68007
Takase, A., Kasuya, T. Temperature dependences of magnetization and spin waves in MnP 9—91221
Takase, A., Yashima, H., Kasuya, T. Low temperature specific heat of MnP; experiment and analysis 9—91236
Takase, B. *see* Noguchi, T. 9—101075
Takase, M., Sata, T. Preparation of ultra-fine particles of alumina gel from colloidal solution of aluminium hydroxide 9—74431
Takashige, M. *see* Kojima, S. 9—55884
Takashige, M. *see* Nakamura, T. 9—51039, 9—95774
Takashima, H. Relation between thermal expansion coefficients of glazes and glasses and their chemical compositions 9—51285
Takashima, H. Study on distribution of ingredients in phase separated lead borosilicate glass by EPMA 9—52844
Takashima, H. *see* Fujii, T. 9—50574
Takashima, K. *see* Tokutaka, H. 9—56892
Takashima, S. Admittance change of squid axion during action potentials. Change in capacitive component due to sodium currents 9—57621
Takashima, S., Onaral, B., Schwan, H.P. Effects of modulated RF energy on the EEG of mammalian brains. Effects of acute and chronic irradiations 9—79603
Takashima, S., Onaral, B., Schwan, H.P. Effects of modulated RF energy on the EEG of mammalian brains. II. Appearance of fast and slow waves after chronic irradiations 9—100665
Takashima, Y., Maeda, Y., Yamashita, K. Application of microcomputers to optical instruments 9—54192
Takashima, Y. *see* Kobayashi, S. 9—73392
Takashina, K. *see* Sakai, T. 9—83337
Takasugi, E., Tata, X., Chiu, C.B., Kaul, R. Fast-meson production and the recombination model 9—89208
Takasugi, E. *see* Kaul, R. 9—71637
Takasugi, S. *see* Nakamura, H. 9—61705
Takasugi, S. *see* Yajima, K. 9—83992
Takasugi, T., Suzuki, J., Tanaka, R. Function of SPAC (speech processing system by use of autocorrelation function) and fundamental characteristics 9—68510
Takasugi, T. *see* Fat-Halla, N. 9—70119
Takasugi, T. *see* Suzuki, J. 9—81657
Takata, H. *see* Edahiro, T. 9—94376
Takata, H. *see* Horiguchi, M. 9—59830, 9—64327
Takata, H. *see* Yamada, J. 9—59812
Takata, K., Watanabe, Y. Time series analysis on R-R intervals of electrocardiogram using autoregressive model 9—83972
Takata, M., Yanagida, H. Effects of gas adsorption upon electrical conductivity of oxide semiconductors 9—95408
Takata, M. *see* Hishita, S. 9—78948
Takata, N. Mobilities of alkali metal ions in gases 9—60101
Takata, S. *see* Minami, T. 9—99948
Takata, T. *see* Arakawa, T. 9—83017
Takatani, S., Cheung, P.W., Ernst, E.A. Experimental and theoretical models for tissue reflectance oximetry 9—79624
Takato, N. *see* Kurokawa, T. 9—55235
Takatsu, S. Effects of cobalt on carburizing rate of tungsten 9—52453
Takatsu, S. Process of carbide formation in tungsten-cobalt mixed powder 9—52454
Takatsuka, K., Fueno, T. Optimized Kohn method for scattering. I. Single-channel scattering 9—49107
Takatsuka, K., Fueno, T. Optimized Kohn method for scattering. II. Multichannel scattering 9—49108
Takatsuka, T. A note on partial-wave contribution in [ALS]-phase of nuclear medium 9—85391
Takayama, E. *see* Kato, K. 9—69067
Takayama, H. *see* Katsumoto, T. 9—74801
Takayama, H. *see* Okwamoto, Y. 9—65170
Takayama, K. *see* Ando, A. 9—76185
Takayama, S. Drawing of $Pd_{77.5}Cu_6Si_{16.5}$ metallic glass wires 9—56997
Takayama, S. Serrated plastic flow in metallic glasses 9—79052
Takayama, S., Oi, T. The effect of processing conditions on magnetic properties of amorphous alloys 9—73775
Takayama, S., Oi, T. The analysis of casting conditions of amorphous alloys 9—95965
Takayama, T. *see* Morita, S. 9—54638
Takayanagi, S., Satoh, K. Singlet ground-state magnetism and hyperfine enhanced nuclear cooling in praseodymium intermetallic compounds 9—51744
Takayanagi, S. *see* Hirao, T. 9—51138, 9—55764, 9—99227
Takayanagi, S. *see* Nakajima, M. 9—99353
Takayanagi, T. *see* Shibasaki, K. 9—101134
Take, K. *see* Furukawa, K. 9—70325
Takebe, H. *see* Fujita, S. 9—91572
Takebe, H. *see* Kamitsubo, H. 9—54662
Takebe, H. *see* Wada, T. 9—54614
Takeda, H., Sato, G., Kimura, I., Kanno, S. Diagnosis of patients with nervous system diseases by their control characteristics in manual control system 9—83990
Takeda, H. *see* Ikeda, H. 9—58967
Takeda, H. *see* Saito, O. 9—57539
Takeda, K., Minagawa, F., Hashimoto, M., Kambe, K. Critical thickness for crystallization in evaporated antimony thin film 9—69379
Takeda, K., Yoshino, Y., Haseda, T. Specific heats of quasi-one-dimensional magnets under magnetic field 9—61147
Takeda, K. *see* Schouten, J.C. 9—61146
Takeda, K. *see* Tamaki, N. 9—57733
Takeda, M., Maeda, H. Note on geomagnetic variations in the equatorial zone 9—66611
Takeda, M. *see* Minai, Y. 9—66688
Takeda, R., Uchikawa, S., Kurihara, K., Yokomi, M. New BWR core concept of improved performance. Summary of WNS core 9—59151
Takeda, S., Tamura, M., Yamamoto, T., Kawanishi, M. Collective field acceleration of heavy ions with intense relativistic electron beam 9—50863
Takeda, S., Tsuchiya, Y. Magnetic susceptibilities of liquid IVb-Te alloys 9—87232
Takeda, S. *see* Akiyama, H. 9—98924
Takeda, S. *see* Arakawa, T. 9—66350
Takeda, S. *see* Ezura, E. 9—76184
Takeda, S. *see* Kondoh, M. 9—68048
Takeda, S. *see* Sugai, H. 9—64870
Takeda, T. Modified one-group calculation method for three-dimensional analysis of fast breeder reactors 9—49645
Takeda, T. Linear methods for fully relativistic energy-band calculations 9—60679
Takeda, T. X-ray diffraction by Lang camera 9—86648
Takeda, T., Arai, K., Komano, Y. Effective one-group coarse-mesh method for calculating three-dimensional power distribution in fast reactors 9—63717
Takeda, T., Gyoda, N., Koyama, E., Osada, N., Eto, T., Sonoda, T. The geodimeter survey of the north-eastern foot of the Asama Volcano in 1977. I 9—70732
Takeda, T., Kubler, J. Linear augmented plane wave method for self-consistent calculations 9—51467
Takeda, T. *see* Fujii, H. 9—65650
Takeda, T. *see* Komano, Y. 9—80971
Takeda, T. *see* Komura, S. 9—56503
Takeda, T. *see* Shimozuru, D. 9—70773
Takei, H. Crystal growth by a lamp-image type floating-zone furnace 9—74085
Takei, H. *see* Fujikawa, S.-I. 9—51265
Takei, H. *see* Nakasa, K. 9—77676, 9—79064, 9—79146
Takei, H. *see* Nakasa, S. 9—79067
Takei, K., Fujimori, S., Nagai, K. Rhenium thin film preparation by laser melting 9—78909
Takei, K. *see* Ejima, T. 9—77662
Takekawa, S. *see* Kaneko, K. 9—65230
Takei, K., Ishikawa, Y., Watanabe, N., Tajima, K. Magnetic structures of $GdCu_{1-x}Zn_x$ system 9—87238
Takemasa, T., Tamura, T., Udagawa, T. Exact finite range calculations of light-ion induced two-neutron transfer reactions 9—63639
Takemasa, T., Tamura, T., Wolter, H.H. Coulomb functions with complex angular momenta 9—85245
Takemi, H. *see* Tamai, T. 9—54982
Takemiya, T. *see* Fukehara, S. 9—97707
Takemoto, I. *see* Watanabe, K. 9—65105
Takemoto, K. *see* Inaki, Y. 9—52707
Takemura, K., Fujii, Y., Minomura, S., Shimomura, O. Pressure-induced structural phase transition of iodine 9—65192
Takemura, K. *see* Horio, K. 9—92356
Takemura, M. *see* Mori, S. 9—76151
Takemura, Y. *see* Sato, S. 9—57732
Takenaka, T., Fukumitsu, O. Some considerations on an optical microdevice with square law media by wave optics 9—81360
Takenaka, T., Fukuzaki, H. Resonance Raman spectra of insoluble monolayers spread on a water surface 9—91434
Takenaka, T. *see* Kato, T. 9—51936
Takenaka, T. *see* Yoshioka, T. 9—100585
Takeno, K. *see* Kobayashi, S. 9—53373
Takeno, S. *see* Nakamura, A. 9—97315
Takeno, S. *see* Yoshida, F. 9—99384
Takenouchi, K. *see* Hamamura, K. 9—60665
Takenouti, H. *see* Gabrielli, C. 9—83466
Takeo, H. *see* Kawashima, Y. 9—59439
Takeo, H. *see* Sugie, M. 9—85957
Takeo, M. *see* Irie, F. 9—60965
Takeshima, M., Yashiro, T. Fundamental research on coated optical fiber reliability 9—55234
Takeshima, M., Yashiro, T. Fundamental research on coated optical fiber reliability 9—59822
Takeshita, H. *see* Ohmichi, T. 9—73301
Taketani, T. *see* Kikuchi, K. 9—98593
Taketoshi, K. Deformation process of SEC targets—a short-range order in magnesian smoke 9—99995
Takeuchi, A. *see* Takahashi, T. 9—87586
Takeuchi, E. *see* Nishijima, S. 9—96146
Takeuchi, E. *see* Sharma, C.S. 9—91806
Takeuchi, H., Fujimoto, H., Ishii, K., Kinosita, K. Cluster migration in the earliest growth stages of gold films on carbon 9—77964
Takeuchi, H., Shiroya, S., Kanda, K. Measurements of cross-power spectral densities in light water moderated zero-power coupled cores 9—54469
Takeuchi, H. *see* Imai, T. 9—90426
Takeuchi, H. *see* Shizuka, H. 9—50164
Takeuchi, H. *see* Yamauchi, H. 9—82430
Takeuchi, H. *see* Yosida, T. 9—65718
Takeuchi, I., Misawa, K., Kato, Y., Aoyama, I. Rotational temperature and intensities of OH(6-2) and OH(8-3) bands in night airglow 9—58147
Takeuchi, K. The method of characteristics in a 3-D cylindrical coordinate system 9—89402
Takeuchi, K. One-dimensional network for multi-dimensional pressure wave propagation with hydrostructural interactions 9—89403
Takeuchi, K. Characteristics of two-dimensional discrete ordinates calculations for shielding design 9—93744
Takeuchi, K. *see* Sasamoto, N. 9—76052
Takeuchi, M., Abe, K., Nagasaka, H. Photoelectronic properties of vacuum evaporated CdS films 9—87174
Takeuchi, M. *see* Hirayoshi, Y. 9—75564
Takeuchi, N., Inabe, K., Kido, H., Adachi, M. Anisotropic copper atom center in X-irradiated sodium chloride single crystals 9—78714
Takeuchi, N. *see* Ohgaku, T. 9—60394
Takeuchi, R. *see* Oie, S. 9—68474, 9—81590
Takeuchi, S. Core structure of a screw dislocation in the b.c.c. lattice and its relation to slip behaviour of α-iron 9—82211
Takeuchi, S., Argon, A.S. Glide and climb resistance to the motion of an edge dislocation due to dragging a Cottrell atmosphere 9—99194
Takeuchi, S., Kato, M., Sugawa, T., Ikeuchi, M. Optical components and its application to an optical transmission system 9—94365
Takeuchi, S., Suzuki, K., Ichihara, M. Anomalous temperature dependence of the strength of nickel-based intermetallic compounds with the $L1_2$ structure 9—74228
Takeuchi, S. *see* Kuramoto, E. 9—91755
Takeuchi, S. *see* Nakajima, T. 9—76153
Takeuchi, S. *see* Nekagawa, K. 9—69105
Takeuchi, S. *see* Tashiro, T. 9—61442
Takeuchi, T., Hayashi, T., Takada, J., Koyama, M., Hayashi, Y., Kozuka, H., Tsuji, H., Kusaka, Y., Ohmori, S., Shinogi, M., Aoki, A., Katayama, K., Tomiyama, T. Survey of the trace elements in hairs of the normal Japanese 9—66435
Takeuchi, T. *see* Kobayashi, Y. 9—57741
Takeuchi, T. *see* Tomita, Y. 9—88026
Takeuchi, Y. A simple single-transducer Doppler system 9—81680
Takeuchi, Y., Sasaki, S., Joswig, W., Fuess, H. X-ray and neutron diffraction study of hemimorphite 9—99159
Takeuchi, Y. *see* Endo, K. 9—72046
Takeuchi, Y. *see* Hashimoto, T. 9—51257
Takeuchi, Y. *see* Nishimura, K. 9—86869
Takeuchi, Y. *see* Ozawa, T. 9—99143
Takeutchi, F. *see* Bassalleck, B. 9—59089, 9—67780, 9—85496
Takeutchi, F. *see* Marlow, D. 9—85564
Takeuti, S. *see* Kokubu, N. 9—70821
Takeuti, Y., Tanigawa, Y. A new numerical method for transient thermal stress problems 9—72810
Takeuti, Y. *see* Yamada, K. 9—68586
Takeyama, T. *see* Takahashi, H. 9—70071
Takezoe, H., Usui, H., Furuhata, K., Nakagiri, T., Fukuda, A., Kuze, E. Polarized Raman scattering and its electric field effects in DOBAMBC 9—94873
Takezoe, H. *see* Usui, H. 9—99059
Takhar, H.S. *see* Soundalgekar, V.M. 9—94726
Takher, E.A. *see* Farsiyants, V.Yu. 9—61527
Takhirdzhanov, Kh. *see* Zinov'ev, O.I. 9—96303
Takhonov, A.S. *see* Anan'ev, A.I. 9—66027
Takhtamyshev, G.G. *see* Birulev, V.K. 9—67547
Taki, M. *see* Nemoto, I. 9—83971
Taki, S. *see* Yoshimura, J. 9—52099
Takibaev, N.Zh. *see* Kirzhnits, D.A. 9—80866
Takibaev, S.M. *see* Boos, E.G. 9—49548
Takibaev, Zh.S., Golyak, I.G., Sharapov, N.I. On ρ^0 meson production in inclusive pp interactions 9—49560
Takibaev, Zh.S. *see* Borisenko, A.I. 9—67801
Takida, K. *see* Ohashi, M. 9—62459

Takido, N. *see* Imachi, K. 9—84018
Takigawa, H. *see* Fujimoto, T. 9—95895
Takigawa, N., Put, L.W. Critical energies in elastic α-nucleus scattering 9—76007
Takigawa, Y., Mikazuki, T., Watanabe, Y., Saito, S. Microwave loss in $Ni_xFe_{3-x}O_4$, x<1 9—69540
Takiguchi, K. *see* Shioyama, T. 9—78241
Takiguchi, Y. *see* Sasaki, S. 9—64133
Takimoto, A. *see* Hayashi, Y. 9—64658
Takishima, T. *see* Sasaki, H. 9—83823
Takita, K., Onabe, K., Tanaka, S. Anomalous magnetoresistance and band crossing in uniaxially compressed HgTe 9—65501
Takita, K. *see* Kudo, H. 9—99330
Takita, N. *see* Itoh, M. 9—50061
Takitani, K., Sakano, K. Density wave instability in once-through boiling flow system. III. Distributed Parameter Model 9—67815
Takiue, M., Ishikawa, H. Absolute measurement of internal conversion electrons with a liquid scintillation spectrometer 9—89520
Takiya, N., Hatanaka, S., Ito, H., Hattori, S. A simplified calibration for PR thermocouple 9—93139
Takiyama, K. *see* Tsuji, M. 9—55163, 9—72600
Takizawa, A. *see* Matsukura, T. 9—70376
Takizuka, T. *see* Okamoto, M. 9—55541
Takle, E.S., Shaw, R.H. Complementary nature of wind and solar energy at a continental mid-latitude station 9—92062
Tako, T. *see* Nakazawa, M. 9—50354, 9—55152, 9—76700
Tako, T. *see* Ohtsu, M. 9—54915, 9—98400, 9—98401
Takoshima, T., Kasahara, M., Tatsuzaki, I. ^{87}Rb NMR in ferroelectric $RbH_3(SeO_3)_2$ 9—78536
Taksey, Y.A. *see* Pan, V.M. 9—60463
Taktadzhyan, L.A. *see* Zakharov, V.E. 9—95563
Taktarov, N.G. Motion of surface monolayers of a magnetized fluid 9—76545
Takui, T. *see* Fujimoto, M. 9—65765
Takuma, Y. *see* Nakanishi, T. 9—88167
Takunov, L.V. *see* Ivchenko, E.L. 9—65392
Takusagawa, F., Koetzle, T.F. A neutron diffraction study of the crystal structure of ferrocene 9—55728
Takusagawa, M. *see* Fujiwara, K. 9—72569
Takusagawa, M. *see* Imai, H. 9—50290, 9—50295, 9—50321
Takusagawa, M. *see* Ishikawa, H. 9—76688
Takusagawa, M. *see* Yano, M. 9—81430
Takwale, R.G. *see* Risbud, A.A. 9—59621
Tal, Y. *see* Bader, R.F.W. 9—68175
Tal Thau, R., Gal-Or, B. Heat and mass transfer in reacting flow systems: an approximate theory 9—68821
Talaga, R.L. *see* Nagle, D.E. 9—63500
Talamo, J.D.C. Effects of cab noise environment on the hearing perception of agricultural tractor drivers 9—83791
Talanker, E.I. Press for hardening disks 9—57022
Talanov, V.I. *see* Averbakh, V.S. 9—72628
Talanova, V.D. *see* Zherebtsov, V.A. 9—64928
Talantov, A.V. Analysis of flame stabilization conditions using the homogeneous reactor model 9—86531
Talantov, A.V. *see* Mingazov, B.G. 9—81996
Talantov, V.G. Calculation of the stress-deformation state of a composite rod 9—64527
Talarico, M.A. *see* Montano, P.A. 9—82895
Talati, J.D., Patel, C.A. Chloroanilines as corrosion inhibitors for 3S-aluminium in trichloroacetic acid 9—83389
Talbert, A.J. *see* Brooks, R.A. 9—66527
Talbert, W.L., Jr., Wohn, F.K., Hill, J.C., Landin, A.R., Cullison, M.A., Gill, R.L. TRISTAN II: Extension of the TRISTAN facility to the study of non-gaseous activities 9—67956
Talbert, W.L., Jr. *see* Duke, C.L. 9—67663
Talbert, W.L., Jr. *see* Evans, A.E., Jr. 9—93780
Talbot, J.J. A review of potential biological impacts of cooling tower salt drift 9—88022
Talbot, L. *see* Cattolica, R. 9—94656
Talbot, L. *see* Choi, U.S. 9—81972
Talbot, L. *see* Lee, C.S.F. 9—53171
Talbot, R.J., Jr. *see* Dufour, R.J. 9—53907
Talbot-Besnard, S. *see* Nishida, N. 9—56687
Taldaev, R.R. *see* Altarev, I.S. 9—67551, 9—75775
Taldykin, M.V. *see* Il'gamov, M.A. 9—77152
Tale, I. *see* Rosa, J. 9—78761
Tale, I.A. *see* Kulis, P.A. 9—83021
Taleb, A. *see* Feneuille, S. 9—59410
Talekar, V.L., Bhandari, S.S. Propagation of ion acoustic waves in drifting warm plasma under Grad's thirteen-moment approximation 9—50857
Talent, D.L. *see* Dufour, R.J. 9—53907
Talerman, M. *see* Bassim, M.N. 9—96252
Taliani, C. *see* Bree, A. 9—56807
Talianker, M., Brandon, D.G. Contrast from DNA occluded in epitaxially grown single-crystal gold films 9—57568
Talib, A., Konopka, A., Biederman, N., Blazek, C., Yudow, B. Alternative forms of energy transmission from OTEC plants 9—61958
Talib, K. Solar energy, architecture and public acceptance in developing countries 9—57449
Talipov, D.A. *see* Baiburina, S.G. 9—80156, 9—80170
Talipov, S.A. *see* Ibragimov, B.T. 9—94993, 9—94997
Talkin, D.T. *see* Titze, I.R. 9—86309
Talkner, P. *see* Grabert, H. 9—80468
Tallentire, A. *see* Halls, N.A. 9—84045
Tallerico, P.J. Advances in high-power RF amplifiers 9—68082
Tallerico, P.J., Rankin, J.E. Computer modeling of the gyrocon 9—68100
Talley, L.D. *see* Anderson, R.W., Jr. 9—89683
Tallgren, U. *see* Boltezar, E. 9—67972
Tallini, B. *see* Barnham, K.W.J. 9—85293
Tallon, J.L. The volume dependence of elastic moduli and the Born-Durand melting hypothesis 9—60420
Tallon, J.L. The pressure dependence of melting temperatures for alkali halides 9—77726
Talmi, A., Tanner, A.C., Felsteiner, J., Opher, R. Generalization of Lloyd's graphical deconvolution method to asymmetric instrumental functions 9—84905
Talmi, M. *see* Hoefker, U. 9—94423
Talmi, Y. *see* Ceasar, G.P. 9—93263
Talmon, Y., Davis, H.T., Scriven, L.E., Thomas, E.L. Cold-stage microscopy system for fast-frozen liquids 9—71573
Talmon, Y., Thomas, E.L. Open system microthermometry—a technique for the measurement of local specimen temperature in the electron microscope 9—67297
Talmud, S.L. *see* Shpenzer, N.P. 9—66358
Talreja, R. On fatigue reliability under random loads 9—79066
Talreja, R. Fatigue reliability under multiple-amplitude loads 9—79072
Talrose, V.L. *see* Butkovskaya, N.I. 9—59596
Tal'roze, V.L. *see* Agroskin, V.Ya. 9—64219
Tal'roze, V.L. *see* Dukhovskoi, E.A. 9—87140
Talukdar, B., Chatterji, M., Banerjee, P. Scattering contributions to the internal partition function of a diatomic molecular system 9—81253
Talukdar, B., Das, U. Combined variable-phase-off-shell scattering theory 9—67190
Talukdar, B., Das, U., Mallick, N., Sen Gupta, M. Off-energy-shell results for scattering by a non-local potential. II 9—49105
Talukdar, B., Das, U., Mukhopadhyaya, S. Off-energy-shell results for scattering by a nonlocal potential. I 9—49104
Talukdar, B. *see* Das, U. 9—63074
Talukdar, S. *see* Rezayi, E.H. 9—80508
Taluts, G.G. *see* Mirsaev, I.F. 9—91276
Talvitie, J. *see* Kilpela, E. 9—100988
Talwani, P. An empirical earthquake prediction model 9—62453
Talwar, B., Deane, N.A., Bailey, H.S. Preirradiation of LMFBR fresh fuel assemblies to improve proliferation resistance 9—49826
Talwar, D.N. Pair correlation functions and ion-ion potential for liquid K 9—50982
Talwar, D.N. *see* Agrawal, B.K. 9—82976
Talwar, P.L. *see* Mathur, P.C. 9—65490, 9—78098, 9—99548
Talyanskii, V.I. *see* Osip'yan, Yu.A. 9—78128, 9—91092
Talzi, V.P. *see* Ivanov, M.I. 9—93861
Tam, A.C. Optical pumping of a dense Na+-He+N_2 system: application as an RF spectrum analyzer 9—76393
Tam, A.C. Strong amplification of sidebands in self-focused laser beams in an atomic vapor 9—76767
Tam, A.C., Patel, C.K.N. Two-photon absorption spectra and cross-section measurements in liquids 9—82993
Tam, A.C. *see* Patel, C.K.N. 9—56806, 9—58797, 9—75606, 9—82992, 9—93982
Tam, C.K.W., Chen, K.C. A statistical model of turbulence in two-dimensional mixing layers 9—68680
Tam, D.S.F. *see* Ariaratnam, S.T. 9—64491
Tam, S.W. *see* Knoche, H.W. 9—76270
Tam, W.G., Boily, C. The effects of relative humidity on the infrared aerosol extinction in the 3-5 and 8-15 μm spectral regions 9—62581
Tam, W.G., Zardecki, A. Laser beam propagation in particulate media 9—50222
Tam, W.G., Zardecki, A. Multiple scattering of a laser beam by radiational and advective fogs 9—100950
Tam, W.G. *see* Zardecki, A. 9—98276
Tam Kwok-Cheong *see* Kwok-Cheong Tam
Tam Wing-Cheung *see* Wing-Cheung Tam
Tamada, M. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Tamae, T. *see* Tsubota, H. 9—63655
Tamagake, K. Fourier transform infrared spectrometer 9—75627
Tamagake, K., Kolts, J.H., Setser, D.W. Vibrational energy disposal by reaction of $Xe(6s,^3P_2)$ metastable atoms with chlorine containing molecules 9—100345
Tamagaki, R. *see* Fujiwara, Y. 9—89258
Tamagaki, R. *see* Kunihiro, T. 9—71814
Tamahara, Y. *see* Kurihara, A. 9—58740
Tamai, H. *see* Yatsu, K. 9—94806
Tamai, T., Takada, J., Matsushita, R., Takemi, H., Kiso, Y. A rapid paper electrophoretic separation for short-lived bromine in fission products 9—54982
Tamain, B. *see* Lebrun, C. 9—63707
Tamaki, N., Takeda, K., Nakajima, M., Yuta, S., Itoh, T. Tomographic reconstruction of 2-D ultrasonic attenuation coefficients by CT technique 9—57733
Tamaki, T. *see* Tsushima, Y. 9—97850
Tamaki, Y., Omori, T., Shiokawa, T. Chemical effects on the K_β/K_α intensity ratios of the daughter atoms formed by the EC decay of ^{51}Cr and ^{54}Mn 9—63949
Tamami, B. Accurate viscosity/pH measurements of dilute polymer solutions 9—68831
Tamanini, F. The effect of buoyancy on the turbulence structure of vertical round jets 9—55403
Tamanuki, S. Overview of coal energy utilization technology in Japan 9—96413
Tamanyan, A.G. *see* Avakyan, V.V. 9—49564
Tamaoki, T., Sano, K., Tanaka, K., Tsuchiya, T., Kubota, J. Flow instability detection in a sodium-heated steam generator by noise analysis 9—97854
Tamari, N., Shtrikman, H. Growth study of large non-seeded $Pb_{1-x}Sn_xTe$ single crystals 9—78860
Tamari, N., Shtrikman, H. Improved nucleation and a planar interface in LPE grown $Pb_{1-x}Sn_xTe$ heterostructures 9—95949
Tamari, N. *see* Zemel, A. 9—99639
Tamarin, A.I. *see* Teplitskii, Yu.S. 9—72941
Tamas, G. *see* Argan, P. 9—85453, 9—85454, 9—89291
Tamashyavichyus, A. *see* Matulis, A. 9—69520
Tamate, K. *see* Iwata, R. 9—88192
Tambergs, J.J. *see* Van den Cruyce, J.M. 9—93491
Tambo, N., Hozumi, H. Physical characteristics of flocs. II. Strength of floc 9—100455
Tambo, N., Hozumi, H. Physical aspect of flocculation process. II. Contact flocculation 9—100457
Tambo, N., Watanabe, Y. Physical characteristics of flocs. I. The floc density function and aluminium floc 9—100454
Tambo, N., Watanabe, Y. Physical aspect of flocculation process. I. Fundamental treatise 9—100456
Tamborini, M. *see* Armstrong, T.A. 9—85344
Tambour, Y. Transport coupling theory for multicomponent nonequilibrium chemically reacting boundary layers 9—77294
Tamenaga, T. *see* Maeda, K. 9—80294
Tamendarov, M.F. *see* Mukashev, B.N. 9—87472
Tamiya, T. *see* Ozaki, K. 9—58955
Tamkivi, R.P., Avarmaa, R.A. Effect of inhomogenous structure and relaxation times on fluorescence decay rates in chlorophyll 9—86007
Tamm, E.A. *see* Pikka, T.A. 9—100418
Tamm, T., Saari, P. Hot luminescence study of the intramolecular thermal bath of aromatics 9—85999
Tamm, T.B. *see* Aaviksoo, Ya.Yu. 9—61377
Tamm, T.B. *see* Saari, P.M. 9—85986
Tammann, G.A. Some statistical properties of supernovae 9—53838
Tammann, G.A. *see* Sandage, A. 9—101189
Tamminga, Y. *see* Eggermont, G.E.J. 9—69131
Tamminga, Y. *see* Hofker, W.K. 9—74024, 9—83063
Tamoikin, V.V., Fainshtein, S.M. Non-linear interaction of helicons and ion-acoustic waves in a turbulent resonant plasma 9—55488
Tampieri, F. *see* Camuffo, D. 9—88401
Tamrazyan, G.P., Ovnatanov, S.T. Peculiarities in distribution of gas reserves of the Earth 9—83545
Tamura, E., Ohtsuki, Y.H. Diffusion of the Laue spots in electron diffraction 9—73073
Tamura, H., Bamba, T., Makikawa, M., Shimizu, K., Furukawa, T. Hierarchical control of eye movement with and without visual discrimination task 9—83763
Tamura, H., Kondo, T. Large-spatial pattern identification of air pollution by a combined model of source-receptor matrix and revised GMDH 9—57543
Tamura, H., Miyao, M., Tokuyama, T. Laser-annealing behavior of a phosphorus-implanted silicon substrate covered with a SiO_2 film 9—86808
Tamura, H. *see* Ishitani, T. 9—54734
Tamura, H. *see* Miyao, M. 9—69132
Tamura, I. *see* Ogiyama, H. 9—79091
Tamura, J. *see* Kurematsu, A. 9—59884
Tamura, K. *see* Hoshino, H. 9—90790
Tamura, K. *see* Itoh, K. 9—92309
Tamura, K. *see* Takagi, M. 9—100990
Tamura, M. *see* Takeda, S. 9—50863
Tamura, M. *see* Yasuoka, Y. 9—58130
Tamura, N. *see* Imai, K. 9—97706
Tamura, N. *see* Tanaka, R. 9—90700
Tamura, P. *see* Lee, T.C. 9—59649
Tamura, P.N., Wyant, J.C. Two-dimensional matrix multiplication using coherent optical techniques 9—59647

Tamura, S., Kuriyama, M. Magnetic specific heat and Debye temperature of $(La_{0.8}Ca_{0.2})MnO_{3+y}$ 9−61124
Tamura, S., Tanaka, K., Yoshida, K., Hiramoto, J., Hirano, K., Matsumoto, M. Specialized processing system for three-dimensional display based on serial tomograms 9−83859
Tamura, S. *see* Tanaka, M. 9−83991
Tamura, S. *see* Tate, A. 9−69337
Tamura, T., Matumoto, Z., Hashizume, A., Tendow, Y., Miyano, K., Ohya, S., Kitao, K., Kanbe, M. Nuclear data sheets for A=121 9−75818
Tamura, T., Weeks, K., Kishimoto, T. Sixth-order boson expansion calculations applied to samarium isotopes 9−89242
Tamura, T. *see* Frohlich, H. 9−67767
Tamura, T. *see* Hiraishi, J. 9−87430
Tamura, T. *see* Ishihara, M. 9−80951
Tamura, T. *see* Niizeki, H. 9−85413
Tamura, T. *see* Sakaguchi, M. 9−54388
Tamura, T. *see* Takemasa, T. 9−63639, 9−85245
Tamura, T. *see* Yanagi, H. 9−54471
Tamura Taro *see* Taro Tamura
Tamuzh, V.P. Calculation of elasticity parameters of a material with defects 9−55346
Tamuzh, V.P. *see* Baltin, Yu.P. 9−100310
Tan, A. Kepler ellipse 9−97151
Tan, C.L., Fenner, R.T. Three-dimensional stress analysis by the boundary integral equation method 9−58546
Tan, H.S., Fung, A.K. The mean Green's dyadic for a half-space random medium: a nonlinear approximation 9−81331
Tan, J.K.Y. *see* Thompson, J.M.T. 9−64541
Tan, K.H. *see* Brion, C.E. 9−76468
Tan, K.H. *see* Domcke, W. 9−76522
Tan, K.J. *see* Goh, T.N. 9−57402
Tan, K.L., Tiu, C. An experimental investigation of upstream flow characteristics of viscoelastic fluids in an annular die entry 9−60036
Tan, L. *see* Li-Zhi, F. 9−71063
Tan, L.S. *see* Leong, M.S. 9−87154
Tan, M. *see* Auld, B.A. 9−56058
Tan, T.Nguyen *see* Nguyen Tan, T.
Tan, T.Y. Residual stacking-fault-type contrast in silicon after apparent unfaulting reactions 9−82243
Tan, T.Y., Ho, P.S., Tsu, R. Temperature distribution and microstructure in small-diameter laser beam annealed amorphous silicon 9−73098
Tan, T.Y., Tsu, R., Ho, P.S., Tu, K.N. Crystallization of amorphous silicides by energy beam annealing 9−69012
Tan, T.Y. *see* Tsu, R. 9−77613
Tan Chung-I *see* Chung-I Tan
Tan Hong Sie *see* Hong Sie Tan
Tan Lu *see* Lu Tan
Tan Lun-Chang The pulse shape discrimination technique in a proportional counter 9−93867
Tan Phat Nguyen *see* Nguyen Tan Phat
Tan Teh Yu *see* Teh Yu Tan
Tan Wei-han Computer simulation of laser implosive compression of a DT target and analytic solutions on the shock waves and thermal waves 9−90428
Tanabe, E. *see* McEuen, A. 9−100802
Tanabe, H. *see* Masuhara, H. 9−61911
Tanabe, J., Yamamoto, R., Arend, P.V. The doublet III neutral beam source cryopanel system 9−76233
Tanabe, J. *see* Avery, R.T. 9−68105
Tanabe, J.T. *see* Main, R.M. 9−68104
Tanabe, K. Raman study of vibrational relaxation of acetonitrile in solution 9−50025
Tanabe, K. Determination of rotational diffusion constants of liquid benzene from measurements of infrared and raman line widths 9−56772
Tanabe, K. Relaxation process in the meson-induced fission of heavy nuclei 9−59098
Tanabe, K., Jonas, J. Raman study of vibrational relaxation in liquid cyclohexane at high pressure 9−50026
Tanabe, K. *see* Uchida, S. 9−87105
Tanabe, T., Imoto, S., Miyata, Y. Hydrogen permeation through Incoloy-800 9−77822
Tanabe, T. *see* Mase, H. 9−87539
Tanabe, T. *see* Sakamoto, N. 9−54389
Tanabe, T. *see* Sato, K. 9−54648
Tanabe, Y. Generation of the Lewis solutions from the Weyl solutions 9−93019
Tanabe, Y. *see* Ferguson, J. 9−51953
Tanabe, Y. *see* Fuchikami, N. 9−91010
Tanabe, Y. *see* Fujiwara, T. 9−51476, 9−69399
Tanabe, Y. *see* Suzuki, Y. 9−50191
Tanaca, H. *see* Kiwamoto, Y. 9−72989
Tanahashi, K. *see* Kichimi, H. 9−89207
Tanahashi, K. *see* Sugahara, R. 9−93454
Tanahashi, S. *see* Toi, K. 9−86565
Tanahashi, T. *see* Nakajima, K. 9−96009
Tanaka, A. *see* Miyao, M. 9−87559
Tanaka, A. *see* Sugiura, T. 9−56924
Tanaka, C. Secondary relaxation behavior of high temperature bolting steels 9−83250
Tanaka, C. *see* Yagi, K. 9−83264
Tanaka, E., Nohara, N., Yamamoto, M., Tomitani, T., Murayama, H., Ishimatsu, K., Takami, K. 'Positology'−the search for suitable detector arrangements for a positron ECT with continuous rotation 9−66522
Tanaka, E. *see* Murayama, H. 9−93874
Tanaka, F. Critical dynamics under quenched random magnetic fields 9−82798
Tanaka, G. Application of the Pade approximant method to excluded volume effects in polymer chains 9−94918
Tanaka, H., Yajima, K., Furukawa, T. Nonlinear dynamical model of prognisis of disease and its application to the hemorrhagic shock 9−83838
Tanaka, H., Yoshida, K. Relation between oxygen contents and the cupping of tough pitch copper wire 9−79087
Tanaka, H. *see* Inomata, Y. 9−57226
Tanaka, H. *see* Ishiguro, M. 9−101066
Tanaka, H. *see* Kawai, E. 9−67565
Tanaka, H. *see* Kimura, H. 9−60405
Tanaka, H. *see* Koizumi, Y. 9−59973
Tanaka, H. *see* Lim, T.K. 9−72378
Tanaka, H. *see* Nakaichi, S. 9−86026
Tanaka, H. *see* Nakajima, H. 9−86312
Tanaka, H. *see* Torii, C. 9−101065
Tanaka, H. *see* Yajima, K. 9−83992
Tanaka, H. *see* Yokoyama, A. 9−53228
Tanaka, I., Otsuki, T., Sato, K. Determination of silicon in ferrosilicon with fluorescent X-ray spectrometry 9−57324
Tanaka, I. *see* Ishiwata, T. 9−52674
Tanaka, I. *see* Shimoyamada, H. 9−100555
Tanaka, I. *see* Shizuka, H. 9−50164
Tanaka, J. Mixed valency in organic crystals 9−78051
Tanaka, J., Tanaka, M. Reflection spectra of the crystalline electron donor-acceptor complexes of TCNO 9−73965
Tanaka, J. *see* Lynch, J.F. 9−99322
Tanaka, J. *see* Tabata, Y. 9−54620
Tanaka, J. *see* Tsukioka, M. 9−78097
Tanaka, K. General Gaussian theory of mechanical compensation zoom-objectives 9−58810
Tanaka, K. Circular dichroic study of the interaction of gelatin with palladium (II) 9−61881
Tanaka, K. A formal solution to the coupled thermoelastic problem 9−72818
Tanaka, K. Measurements of refractive-index dispersion by optical waveguiding 9−85162
Tanaka, K., Davidson, E.R. A theoretical study on the potential surfaces of the lower electronic states of HCO 9−68287
Tanaka, K., Hamasaka, N., Yasuda, M., Fukai, Y. Soft X-ray emission spectra of Zr in Zr-H alloys 9−65959
Tanaka, K., Horie, T., Sekiya, T. Mean temperature field variations in heterogeneous media 9−68544
Tanaka, K., Hoshide, T., Taira, S. Effect of prestrain on fatigue crack propagation in low-carbon steel 9−96116
Tanaka, K., Konishi, M., Marumo, F. Electron-density distribution in crystals of $KCuF_3$ with Jahn-Teller distortion 9−69061
Tanaka, K., Matsuoka, S., Miyazawa, K. Fatigue property of JIS-SNCM8 steel under in-phase combined axial loading and torsion 9−96147
Tanaka, K., Morinaga, A. Preliminary experiment for stabilizing unmodulated He-Ne laser to an iodine hyperfine component 9−50328
Tanaka, K., Ogawa, H., Tanaka, Y. Dynamic mechanical properties of blends of poly(vinyl chloride) and ethoxymethylmelamine resin 9−96063
Tanaka, K., Ohtsuka, Y. Composition dependence of photo-induced refractive index changes in amorphous As-S films 9−78644
Tanaka, K., Yoshimine, M. A theoretical study of the predissociation of the $c^4\Sigma_u^-$ state of O_2^+ 9−50095
Tanaka, K. *see* Aoki, Y. 9−81646
Tanaka, K. *see* Filho, J.B. 9−58989, 9−58992, 9−63561
Tanaka, K. *see* Hirose, Y. 9−66214, 9−66215
Tanaka, K. *see* Igata, N. 9−79056
Tanaka, K. *see* Jumonji, H. 9−54103
Tanaka, K. *see* Kitazoe, T. 9−49404
Tanaka, K. *see* Kudo, H. 9−63806
Tanaka, K. *see* Matsuoka, S. 9−79065
Tanaka, K. *see* Minowa, J. 9−50517
Tanaka, K. *see* Sakurai, T. 9−76765
Tanaka, K. *see* Shimomura, Y. 9−99242
Tanaka, K. *see* Taira, S. 9−50665, 9−66150, 9−70113
Tanaka, K. *see* Tamaoki, T. 9−97854
Tanaka, K. *see* Tamura, S. 9−83859
Tanaka, K. *see* Tanaka, M. 9−83991
Tanaka, K. *see* Tatewaki, H. 9−81158
Tanaka, K. *see* Tsai, C.L. 9−73507
Tanaka, K. *see* Yamabe, T. 9−56123
Tanaka, M. Determination of the crystal point groups and space groups by the convergent beam electron diffraction 9−77461
Tanaka, M., Ikushima, A. Thermal transport phenomena near the lambda line of ^{3}He-^{4}He mixtures 9−56004
Tanaka, M., Kawai, Y. Electron heating by ion acoustic turbulence in plasmas 9−90424
Tanaka, M., Takahashi, K. Phase transition of the Bloom-Chapel model 9−78418
Tanaka, M., Tamura, S., Tanaka, K. A technique for the automatic assembly of eye fundus photographs using blood vessel structure 9−83991
Tanaka, M. *see* Asmai, N. 9−76135
Tanaka, M. *see* Baltay, C. 9−75770
Tanaka, M. *see* Hashimoto, Y. 9−61749
Tanaka, M. *see* Idehara, T. 9−64843
Tanaka, M. *see* Johnson, S.A. 9−53202, 9−83867
Tanaka, M. *see* Takahashi, K. 9−65677
Tanaka, M. *see* Tanaka, J. 9−73965
Tanaka, M. *see* Tohge, N. 9−65546, 9−74126
Tanaka, N., Ohshima, K., Harada, J., Mihama, K. High resolution observations of disordered Cu-Pd alloys 9−95030
Tanaka, N. *see* Ray, L. 9−63669
Tanaka, R., Sunaga, H., Tamura, N. The effect of accumulated charge on depth dose profile in poly(methylmethacrylate) irradiated with fast electron beam 9−90700
Tanaka, R. *see* Mori, T. 9−90534
Tanaka, R. *see* Suzuki, J. 9−81657
Tanaka, R. *see* Takasugi, T. 9−68510
Tanaka, R. *see* Tsutsui, T. 9−94893
Tanaka, S. Amorphous silicon technology and solar cells 9−57430
Tanaka, S., Furukawa, T. Relationship between fatigue strength and case hardness distribution in casecarburized and hardened steel 9−61782
Tanaka, S., Kinoshita, T., Saito, H., Shionoya, S. Microcomputer-controlled multichannel analyzer for spectral measurements of short light pulses 9−93890
Tanaka, S. *see* Furuya, N. 9−92113
Tanaka, S. *see* Ishii, T. 9−60478
Tanaka, S. *see* Kunihisa, K.S. 9−55871
Tanaka, S. *see* Ogasawara, N. 9−99550
Tanaka, S. *see* Saito, H. 9−71541
Tanaka, S. *see* Takita, K. 9−65501
Tanaka, S. *see* Uchida, S. 9−87105
Tanaka, S.C. Coping with charge transfer inefficiency affecting modulation transfer function (MTF) of charge-coupled device (CCD) 9−94175
Tanaka, T. Optical constants of polycrystalline 3d transition metal oxides in the wavelength region 350 to 1200 nm 9−78643
Tanaka, T. A method for measuring the photothermal conversion efficiency of solar energy 9−79399
Tanaka, T., Hattori, S. Initial behavior of hysteresis loop of low carbon steels under repeated load. Theoretical treatment on the multiplying model of dislocations 9−74197
Tanaka, T., Saijo, H., Matsubara, T. Optical absorption studies of the growth of microcrystals in nascent suspensions. III. Absorption spectra of nascent silver iodide hydrosols 9−100449
Tanaka, T., Sakai, T. Estimation of three parameters of Weibull distribution (relating to parameter estimation of fatigue life distribution) 9−59943
Tanaka, T., Swislow, G., Ohmine, I. Phase separation and gelation in gelatin gels 9−66373
Tanaka, T., Tani, T., Sawata, S., Sakuta, K., Horigome, T. An analysis of a cylindrical parabolic focusing collector for distributed collector power system 9−62108
Tanaka, T., Tani, T., Sawata, S., Sakuta, K., Horigome, T. Unstable phenomena of two phase flow in two horizontal tubes combined in parallel 9−79377
Tanaka, T., Tani, T., Sawata, S., Sakuta, K., Shimizu, S., Horigome, T. Unsteady laminar heat transfer in circular duct flow 9−77058
Tanaka, T. *see* Aono, M. 9−99403
Tanaka, T. *see* Candau, S.J. 9−70381
Tanaka, T. *see* Ezawa, N. 9−79378
Tanaka, T. *see* Hochberg, A. 9−79315
Tanaka, T. *see* Hunter, P.E. 9−78292
Tanaka, T. *see* Ikeda, M. 9−61421
Tanaka, T. *see* Konishi, M. 9−83232
Tanaka, T. *see* Marutani, Y. 9−55076, 9−55170
Tanaka, T. *see* Matsunaga, S. 9−71881
Tanaka, T. *see* Matsunami, H. 9−78236
Tanaka, T. *see* Mori, T. 9−90534
Tanaka, T. *see* Omoto, M. 9−64134
Tanaka, T. *see* Sakuta, K. 9−79376
Tanaka, T. *see* Suzuki, A. 9−96386
Tanaka, T. *see* Tani, T. 9−57441, 9−79380, 9−79381
Tanaka, T. *see* Yajima, F. 9−100049
Tanaka, T.P., Yamada, S., Maeda, M., Sumi, M. Perodic bending loss in multimode W-type fiber 9−76848
Tanaka, W. *see* Watanabe, T. 9−80307
Tanaka, W. *see* Yajima, N. 9−80227
Tanaka, Y., Kato, T. Crystallized glasses from inorganic waste materials 9−69017
Tanaka, Y., Oda, Y., Petrovich, F., Sheline, R.K. Effect of the spin-orbit potential on the single particle levels in the superheavy region 9−59000
Tanaka, Y., Shimamoto, Y. Numerical analysis of non-combustion and combustion fields accompanied with swirl flows 9−98821
Tanaka, Y., Tsuchiya, H. Photoreaction of cholesterly cinnamate 9−87863

Tanaka, Y. *see* Bagnell, R.D. 9—89237
Tanaka, Y. *see* Davelaar, J. 9—71085
Tanaka, Y. *see* Freeman, D.E. 9—98119
Tanaka, Y. *see* Fujii, Y. 9—56001
Tanaka, Y. *see* Mori, S. 9—76151
Tanaka, Y. *see* Saito, H. 9—71541
Tanaka, Y. *see* Shinozuka, T. 9—93618
Tanaka, Y. *see* Tanaka, K. 9—96063
Tanaka, Y. *see* Yoshino, K. 9—49972
Tanana, V.P. *see* Timonov, A.A. 9—88501
Tananaev, A.V. *see* Aitov, T.N. 9—94734
Tananaev, I.V., Maksimchuk, E.V., Bushuev, Yu.G., Shestov, S.A. Formation of oxyphosphates in the systems MPO_4-M_2O_3 (M is Al, Cr, or Y) 9—78942
Tananaev, I.V. *see* Chudinova, N.N. 9—52642
Tananaev, I.V. *see* Soldatov, E.N. 9—77584
Tananbaum, H. *see* Giacconi, R. 9—70941
Tananykin, N.I. *see* Ivanov, V.P. 9—93251, 9—93252
Tanase, M. Methods for measurement of charged particles polarization 9—59321
Tanase, M. Symmetry errors in proton polarization measurements and their eliminating methods 9—59322
Tanaseichuk, S.Yu. *see* Vavilov, V.O. 9—91897
Tanasescu, E., Danescu, A., Petrescu, S. Study on the cylindric-paraboloid mirror 9—64302
Tanashchuk, M.P., Gilchuk, L.P. Experimental scattering matrices of ground glass surfaces 9—72483
Tanashchuk, M.P. *see* Polyanskii, V.K. 9—64172
Tanbara, T. *see* Yoshioka, Y. 9—100264
Tanche, M. *see* Therminarias, A. 9—100575
Tancredo, A., Pizani, P.S., Mendonca, C., Farach, H.A., Poole, C.P., Jr., Ellis, P.D., Byrd, R.A. Spin-rotation relaxation times at different temperatures for methyl compounds with hindrance barriers 9—50049
Tancrell, R.H., Callerame, J., Wilson, D.T. Near-field transient acoustic beam-forming with arrays 9—57738
Tancrell, R.H. *see* Callerame, J. 9—57734
Tandberg-Hanssen, E. *see* Calvert, J. 9—80225
Tandberg-Hanssen, E. *see* Comfort, R.H. 9—92733
Tandel, C.B. *see* Mohan Rao, M.N. 9—84378
Tandon, J.L., Eisen, F.H. Pulsed annealing of implanted semi-insulating GaAs 9—73196
Tandon, J.L., Nicolet, M.-A., Tseng, W.F., Eisen, F.H., Campisano, S.U., Foti, G., Rimini, E. Pulsed-laser annealing of implanted layers in GaAs 9—69118
Tandon, P.N., Agarwal, K. Behaviour of viscoelastic lubricants in reference to human joints 9—57699
Tandon, P.N., Jaggi, S. A polar model for synovial fluid with reference to human joints 9—53169
Tandon, P.N., Jaggi, S. A model for the lubrication mechanism in knee joint replacements 9—74790
Tandon, P.N., Katiyar, V.K., Vaid, R.P. Laminar filmwise condensation on a vertical surface with heat generation 9—72786
Tandon, P.N. *see* Chaturvedi, A.K. 9—90342
Taneda, S. Visualization of separating Stokes flows 9—77064
Taneja, K.L. *see* Vasudevan, P. 9—91379
Taneja, O.P. *see* Krishna, K.V. 9—99643
Taneja, O.P. *see* Mathur, P.C. 9—95528
Tanemura, S. *see* Sando, M. 9—62066
Tang, C.L. Development of radiation fields and baroclinic eddies in a β-plane 9—81897
Tang, C.L. *see* Blit, S. 9—89924
Tang, C.L. *see* Cassidy, C. 9—59759
Tang, C.L. *see* Levin, K.H. 9—59708
Tang, H.W. *see* Barber, D. 9—54289, 9—54346
Tang, H.W. *see* Barber, D.P. 9—89175, 9—97631
Tang, I.Ming *see* Ming Tang, I.
Tang, I.N., Munkelwitz, H.R., Davis, J.G. Aerosol growth studies. IV. Phase transformation of mixed salt aerosols in a moist atmosphere 9—52783
Tang, K.T. *see* Schatz, G.C. 9—64070
Tang, K.Y., Fairchild, P.W., Lee, E.K.C. Laser-induced photodecomposition of formaldehyde (A^1A_2) from its single vibronic levels. Determination of the quantum yield of H atom by HNO* (A^1A'') chemiluminescence 9—96344
Tang, K.Y., Lee, E.K.C. Laser induced fluorescence emission spectroscopy of $H_2CO(A,^1A_2)$ 9—50075
Tang, K.Y. *see* Atkinson, G.H. 9—86045
Tang, K.Y. *see* Eckstrom, D.J. 9—86163
Tang, K.Y. *see* Lin, H.-M. 9—81257
Tang, K.Y. *see* Molina, L.T. 9—50070
Tang, L.G. *see* Barber, D.P. 9—89175, 9—97631
Tang, S.Y. *see* Neynaber, R.H. 9—68306, 9—85914
Tang, T.B. The fundamental dimensionless numbers and the possibility of life. I. A historian's theory of the Universe 9—80245
Tang, T.B. The fundamental dimensionless numbers and the possibility of life. II. A Machian theory of variational cosmology 9—80246
Tang, T.E., Murphy, V.G., Hahn, A.W., Barr, R.E. The operation of platinum oxygen sensing microelectrodes 9—84043
Tang, T.O., Harris, I.J., Robinson, G.J.B. Modelling thermal changes in human during anaesthesia 9—92160
Tang, Y.C. Odd-even dependence of the optical optical potential 9—97687
Tang, Y.C. *see* Lemere, M. 9—59085
Tang Cha-Mei *see* Cha-Mei Tang
Tang Di-Sheng, Liang Jing-Kui, Shi Ting-Jun, Zhan Yu-Ling, Tian Jing-Hua, Li Wen-Xiu Investigation of the pseudo-ternary system $SrNb_2O_6$-$NaNbO_3$-$LiNbO_3$ 9—52175
Tang Fu-hai *see* Xu Ji-ren 9—78733
Tang I-Ming *see* I-Ming Tang
Tang Jia-yong *see* Yang Fu-Jia 9—58206
Tang Ju-fei *see* Yue Zong-wu 9—80757
Tang Shien-Pu *see* Shien-Pu Tang
Tang Xiao, Feng Bao-huac Determination of Li isotope abundance by a spectroscopic method 9—68325
Tang Xiao-wei *see* Chang Chih-yao 9—84281
Tang Xiao-wei *see* Fan Qin-min 9—75058
Tang Xue-Tian *see* Su Zong-Di 9—49616
Tang-Han Wang *see* Wang Tang-Han
Tanga, A. *see* Baldacchini, G. 9—61350
Tanga, A. *see* Casalboni, M. 9—73991, 9—78745
Tangaa, J. *see* Svendsen, E.N. 9—93925
Tangonan, G.L., Ramer, O.G., Gorre, L.E., Friedrich, H.R., Asawa, C.K., Barnoski, M.K., Persechini, D.L. Planar coupler devices of multimode fiber optics 9—50429
Tangonan, G.L. *see* Barnoski, M.K. 9—50445, 9—72720
Tangonan, G.L. *see* Fields, J.N. 9—50564
Tangri, K. *see* Mori, T. 9—82224
Tanguay, A.R., Jr. *see* Abrahams, S.C. 9—61327
Tanguy, P. Nuclear safety in France 9—71908
Tanguy, P., Cogne, F. After the accident at Three-Mile Island: where is nuclear security? 9—81033
Tani, B. *see* Melendres, C.A. 9—78584
Tani, C. Phase transition temperature dependence of field-induced nematic-cholesteric relaxation time 9—86874
Tani, J. Thermal buckling of truncated conical shells with various axisymmetric initial deflections 9—90162
Tani, K. *see* Hiraishi, J. 9—87430
Tani, T., Sawata, S., Horigome, T. A terrestrial solar energy power system 9—79375
Tani, T., Sawata, S., Tanaka, T., Sakuta, K., Horigome, T., Karaki, S. Estimation of collector and electrical energy cost for STEPS in Japan 9—57441
Tani, T., Sawata, S., Tanaka, T., Sakuta, K., Horigome, T. Preliminary design of solar thermal electric power system in Japan 9—79380
Tani, T., Sawata, S., Tanaka, T., Sakuta, K., Horigome, T. Cost estimation of solar thermal electric power system in Japan 9—79381
Tani, T. *see* Kamimoto, M. 9—79379
Tani, T. *see* Sakuta, K. 9—79376, 9—96485
Tani, T. *see* Tanaka, T. 9—62108, 9—77058, 9—79377
Tani, Y. *see* Higashi, A. 9—57831, 9—92443
Tanie, K. Recent progress of sensory substitution systems 9—66470
Tanielian, M. *see* Fritzsche, H. 9—82472
Tanifuji, T. *see* Akabor, M. 9—85767
Tanigawa, S., Tsuchida, T., Nakamura, Y. Magnetic properties of $Pr_{1-c}La_cAl_2$ 9—65658
Tanigawa, S. *see* Kumakura, H. 9—74017
Tanigawa, Y. *see* Takeuti, Y. 9—72810
Taniguchi, H. *see* Ikegami, S. 9—87992
Taniguchi, H.H. Selection and use of microphones for engine and aircraft noise measurements 9—90104
Taniguchi, I., Saito, N. Plastic reorganization in the inferior colliculus of the immature mouse studied by [^{14}C]deoxyglucose method 9—92233
Taniguchi, M., Osaka, Y., Hirose, M. Electrical properties of substitutionally doped CVD amorphous silicon 9—99566
Taniguchi, M. *see* Hirose, M. 9—56332
Taniguchi, M. *see* Kobayashi, M. 9—91469
Taniguchi, M. *see* Narita, S. 9—95370
Taniguchi, M. *see* Nii, J. 9—100122
Taniguchi, M. *see* Sugimoto, N. 9—60765
Taniguchi, S., Carpenter, D.L. The influence of scale/metal interface characteristics on the oxidation behaviour of iron at elevated temperatures 9—74286
Taniguchi, Y. *see* Oka, M. 9—79047
Tanihashi, K. *see* Tokita, S. 9—96304
Tanihata, I. *see* Lemaire, M.-C. 9—80952
Tanimoto, M. Influence of impurities to EPR in two-dimensional antiferromagnet K_2MnF_4 9—91283
Tanimoto, M. *see* Kawai, E. 9—49546, 9—67565
Tanimoto, T., Amijima, S., Ishikawa, H. Reliability analysis approach to fatigue life dispersion of various FRP and reliability-based design safe life 9—61704
Tanimoto, Y. *see* Kitadate, K. 9—57193
Tanimura, K. *see* Yoshino, K. 9—51559, 9—65563
Tanimura, O., Tazawa, T. Quasimolecular resonance in inelastic $^{12}C+^{16}O$ scattering 9—54421
Tanimura, O., Tazawa, T. On the energy dependence of the real part of the heavy-ion optical potential 9—63691
Tanimura, O., Tazawa, T. Intermediate resonances in the inelastic scattering of ^{12}C on ^{16}O 9—89279
Tanimura, S. A practical constitutive equation covering a wide range of strain rates 9—80434
Tanimura, S., Igaki, H., Majima, M., Tada, M. Combined tension-torsion impact testing apparatus and an experimental study in the incremental wave propagation 9—52474
Tanino, T. *see* Sawaragi, Y. 9—57502, 9—57516
Tanisaka, S. *see* Kato, K. 9—76079
Tanisaki, S. *see* Mashiyama, H. 9—78633
Tanishita, K. Artificial oxygenation: design of a membrane oxygenator with curved tubes wound in woven patterns 9—84020
Tanji, Y., Moriya, H., Nakagawa, Y. Measurement of Young's modulus of thin plate by composite vibrator method 9—50599
Tanji, Y. *see* Nakagawa, Y. 9—55891
Tanner, A.B., Moxham, R.M., Senftle, F.E. Uranium assay in boreholes by means of germanium gamma spectrometers 9—53571
Tanner, A.B. *see* Senftle, F.E. 9—52853
Tanner, A.C. *see* Talmi, A. 9—84905
Tanner, B.K. Antiferromagnetic domains 9—51799
Tanner, B.K. *see* Buckley-Golder, I.M. 9—83276
Tanner, B.K. *see* Chikaura, Y. 9—87282
Tanner, D.B., Deis, J.E., Epstein, A.J., Miller, J.S. Optical properties of the semiconducting 'metal-like' complex (NMe_3H) (I) (TCNQ) 9—95761
Tanner, D.B. *see* Henry, R.L. 9—58774
Tanner, D.B. *see* McKnight, S.W. 9—87445
Tanner, D.B. *see* Perkowitz, S. 9—93237
Tanner, L.E. *see* Giessen, B.C. 9—73151
Tanner, L.H. The rotational interferometric viscometer: further improvements including more accurate measurements of 'surface effect' 9—50824
Tanner, L.H. Skin friction measurement by viscosity balance in air and water flows 9—64811
Tanner, N.W. *see* Bos, K. 9—85531
Tanner, P.A. *see* Flint, C.D. 9—73983
Tanner, R.I. Some useful constitutive models with a kinematic slip hypothesis 9—60009
Tanner, R.I. *see* Nhan Phan-Thien 9—77042
Tanner, R.L. Comments on 'Measurement of aerosol particles and trace gases in METROMEX' 9—100548
Tanner, W. Safety aspects of a future European hydrogen technology 9—74551
Tannhauser, D.S. *see* Braunshtein, D. 9—88928
Tanno, K. A refined theory of plates with application to crack problems 9—64545
Tannous, C., Caille, A. The spin-Peierls transition of the X-Y model in a magnetic field 9—56537
Tanny, G.B., Kedem, O., Bohak, Z. Coupling of transport and enzymic reaction in a membrane composed of an anion exchanger and immobilized urease 9—83510
Tanoue, H. Electronic sphygmomanometers insure accurate measurements 9—74773
Tans, P.P., de Jong, A.F.M., Mook, W.G. Natural atmospheric ^{14}C variation and the Suess effect 9—96801
Tan'ska-Krupa, V. *see* Vavryshuk, Ya. 9—49597
Tanski, W.J., Van de Vaart, H. Technique for triple-transit suppression in surface-acoustic-wave delay lines 9—64453
Tanski, W.J., Wittels, N.D. SEM observations of SAW resonator transverse modes 9—68452
Tanskii, I.A. *see* Krivoshapkin, P.P. 9—80120
Tansley, B.W., Valberg, A. Chromatic border distinctness: not an index of hue or saturation differences 9—57658
Tansley, B.W. *see* Regan, D. 9—74689
Tansy, M.F., Friedman, M.H.F. Hypophysectomy-induced inhibition of augmented acetycholine responses of the rat bowel following adrenalectomy and/or whole body irradiation 9—100676
Tantardini, G.F., Simonetta, M. Ab initio valence bond calculations. X. Vertical valence ionization potentials of allene and butatriene 9—85917
Tantashev, M.V. *see* Dyabin, Yu.P. 9—85158
Tantsujra, L.Ya. *see* Kondratenko, P.A. 9—52655
Tanuma, S., Higuchi, K., Suematsu, H., Koike, Y. Fermi surface, transport and superconducting properties of graphite intercalation compounds 9—65367
Tanzi, J.D. *see* Dolphin, L.T. 9—84094
Tao, L.C. *see* Liu, J.C.H. 9—73312
Tao, L.N. Free boundary problems with radiation boundary conditions 9—71386
Tao, L.N. On solidification problems including the density jump at the moving boundary 9—77727
Tao, S.J. *see* Tseng, P.K. 9—86091
Tao, T.V., Chopra, I.L. Electron transport properties of Cu-doped PVC films 9—82700
Tao Huang *see* Huang Tao
Tao Rui-Bao The Peierls transition and the charge-density-wave transition in one-dimensional metals 9—51502
Tao Rui-bao A functional method for spin system 9—63064

Taoka, T., Nakajima, F., Hirano, Y., Kataoka, H., Arita, K., Koshi, A. Functional features of hard tension/compression tester developed for high temperature microscope and its metallurgical applications 9—70259

Taoka, T., Nakajima, F., Hirano, Y., Kataoka, H., Arita, K., Koshi, A. Functional features of hard tension/compression tester developed for high temperature microscope and its metallurgical applications 9—100320

Tape, J.W. *see* Bowersox, D.F. 9—85589

Tape, W. Geometry of halo formation 9—100942

Tapia, O. *see* Sanhueza, J.E. 9—63065

Taplin, D.M.R., Collins, A.L.W. Fracture at high temperatures under cyclic loading 9—66171

Taplin, D.M.R. *see* Ashby, M.F. 9—61693

Tapp, R.G., Lile, R.C. A new tethersonde system for remote measurement of wind and temperature 9—80038

Tappa, R. *see* Borghese, C. 9—65741

Tappert, C.C., Das, S.K. Fast training method for speech recognition systems 9—81649

Tappert, F.D. *see* Beilis, A. 9—98527

Tappert, F.D. *see* Wilson, H.L. 9—90062

Taqqu, D. The quadrupole moment of the 37 keV level of ^{80}Br 9—85366

Taquin, J. Line-shape and resolution enhancement of high-resolution FTNMR in an inhomogeneous magnetic field 9—63289

Taraban, A.I. *see* Shchesno, L.P. 9—87754

Tarabanko, V.A. *see* Baldin, A.M. 9—72125

Taraban'ko, V.A. *see* Lysov, V.V. 9—71925

Tarabocchia, M., Holly, S. Intracavity tip and tilt adaptive control experiments 9—59728

Tarafdar, S.P., Krishna Swamy, K.S., Vardy, M.S. 9 Cephei 9—84793

Tarakanov, N.M. *see* Balbekov, V.I. 9—63829

Tarakanov, V.P. *see* Al'terkop, B.A. 9—55519

Tarakanovskii, E.N. Erosion of electrodes during the breakdown of a multiple inter-electrode gap by pulse discharges 9—95707

Taran, E.Yu. Rheological equations of state of a dilute suspension of dipole dumbbells in a power-law liquid 9—86473

Taran, J.-P.E. *see* Druet, S.A.J. 9—94002

Taran, Yu.N. *see* Mazur, V.I. 9—52187

Taranchuk, V.B. Effect of permeability and form of inhomogeneous inclusions on the maximum water-free oil yield 9—86504

Taranenko, E.V. *see* Sazhin, S.G. 9—52592

Taranenko, I.A. *see* Kornienko, L.A. 9—52239

Taranov, G.S. *see* Subbotin, V.I. 9—98803

Taranov, O.G. *see* Sumin, V.I. 9—52161

Tarantin, A.M., Vorobiev, S.A., Tsyganov, E.N. Computer simulation of deflection effects for relativistic charged particles in a curved crystal 9—77656

Tarantovich, T.M. Spatial structure of the field within a resonator filled by a periodically inhomogeneous active medium 9—81462

Taras, P., Rao, G.R. Spin of the 12.8 MeV c.m. resonance in the $^{12}C+^{16}O$ system 9—59045

Taras, P. *see* Haas, B. 9—71783

Taras, P. *see* Hausser, O. 9—63578

Tarasashvili, V.I. *see* Kakichashvili, Sh.D. 9—69808

Tarasenko, A.A., Tomchuk, P.M., Chumak, A.A. Voltage fluctuations associated with carrier drift in anisotropic semiconductors 9—51644

Tarasenko, G.I., Chetaev, M.P., Shnyrkov, V.I. Effect of low-frequency electromagnetic fields on a SQUID 9—67361

Tarasenko, L.G. Colortek—new system for stereophonic photographic recording and reproduction of motion pictures 9—58818

Tarasenko, L.V. *see* Bronfin, M.B. 9—96203

Tarasenko, V.F. *see* Bichkov, Y.I. 9—94250

Tarasenko, V.F. *see* Bychkov, Yu.I. 9—59686, 9—94244

Tarasenko, V.F. *see* Konovalov, I.N. 9—98347

Tarasenko, V.V. *see* Antipenko, B.M. 9—57263

Tarasenko, V.V. *see* Dikshtein, I.E. 9—69710, 9—95626

Tarasevich, M.R. *see* Abidor, I.G. 9—70531

Tarasevich, M.R. *see* Chernomordik, L.V. 9—92161

Tarasevich, Yu.F. *see* Pavlov, I.M. 9—87707

Tarasevich, Yu.I., Sivalov, E.G. Structural changes due to heating in montmorillonite and kaolinite, investigated by optical electron spectroscopy 9—65193

Tarashchenko, D.T. *see* Gavrilenko, V.I. 9—61340

Tarasko, D.I. *see* Mikhailichenko, T.A. 9—87780

Tarasko, M.Z. *see* Maksyutenko, B.P. 9—71899

Tarasov, A.N., Popandopulo, A.N. Structure and properties of carbonitrided high-speed steels 9—57155

Tarasov, A.V. *see* Pak, A.S. 9—80953

Tarasov, G.G. *see* Valakh, M.Ya. 9—65831

Tarasov, I.S. *see* Alferov, Zh.I. 9—89910

Tarasov, M.D., Balakin, V.A., Lobov, S.I., Pavlovskaya, N.G., Sidoruk, A.M., Tsukerman, V.A. Laser radiation of cadmium sulfide crystals under excitation by pulsed bremsstrahlung X-rays 9—91467

Tarasov, N.A. *see* Bakanov, L.V. 9—75988

Tarasov, N.A. *see* Bunakov, V.E. 9—75882, 9—75928

Tarasov, N.I. *see* Pyadyshev, V.G. 9—92632

Tarasov, O.V. The infinite coupling limit and the asymptotics of coefficients of the perturbation expansion 9—71595

Tarasov, O.V. *see* Dittes, F.M. 9—89070

Tarasov, O.V. *see* Kazakov, D.I. 9—97525

Tarasov, V.A. *see* Mitin, A.V. 9—69691

Tarasov, V.G. *see* Nizhnik, L.P. 9—88895

Tarasov, V.N. *see* Alkhazov, G.D. 9—75957

Tarasov, V.P. *see* Zelentsova, N.I. 9—71397

Tarasov, V.V. *see* Shamaev, P.P. 9—67333

Tarasova, I.M. *see* Belyi, N.N. 9—78136

Tarasova, L.S., Kosov, A.V., Skorikov, V.M. Characteristics of chemical etching of bismuth germanate single crystals 9—99201

Tarasova, L.V. *see* Babich, L.P. 9—60210

Taraszewska, J., Klon-Palczewska, M., Wyrzykowska-Stankeiwicz, D. Salt effect on vapour-liquid equilibrium in the dimethylsulphoxide-water-0.9 m $NaClO_4$ system at 298.15K 9—51245

Taratin, A.M., Tsyganov, E.N., Vorob'ev, S.A. Deflection of a charged-particle beam in a curved crystal. Numerical simulation 9—65132

Tarazona, P. *see* Navascues, G. 9—73081

Tardivo, A. *see* Accensi, A. 9—63239

Tardy, D.C., Malins, R.J. Intermolecular energy transfer effects in thermal unimolecular reactions 9—74351

Tare, V.B. *see* Ravindar, P. 9—57287

Tareau, J.Y.Le *see* Le Tareau, J.Y.

Tarenkov, V.Yu. *see* Svistunov, V.M. 9—51726

Targan, M. *see* Steller, K. 9—61819

Tari, A. Limited quenching of the holmium moment by the crystal field in the $(Gd,Y)Ni_2$ cubic Laves phase compounds 9—73851

Tari, A., Chantrell, R.W., Charles, S.W., Popplewell, J. The magnetic properties and stability of a ferrofluid containing Fe_3O_4 particles 9—87293

Tarin, U. *see* Serra, A. 9—63872

Tarkanyi, F. *see* Alkhazov, G.D. 9—75957

Tarkhova, T.N., Chuprunov, E.V., Nikolaeve, L.E., Simonov, M.A., Belov, N.V. Crystal structures of isocyanates of group IV elements. III. Determination and refinement of the crystal structure of lead triphenyl isocyanate $(C_6H_5)_3PbNCO$ 9—51097

Tarkhova, T.N. *see* Chuprunov, E.V. 9—60296, 9—90638

Tarkhova, T.N. *see* Kuntsevich, T.S. 9—82189, 9—86774

Tarkhova, T.S. *see* Kuntsevich, T.S. 9—82190

Tarlakov, Yu.P. *see* Pronkin, A.A. 9—95215

Tarle, G., Ahlen, S.P., Cartwright, B.G. Cosmic ray isotope abundances from chromium to nickel 9—70937

Tarle, G. *see* Salamon, M.H. 9—49908

Tarnai, T. Variational methods for analysis of lateral buckling of beams hung at both ends 9—86361

Tarnavskii, A.N. *see* Pet'kov, V.V. 9—49355

Tarnekar, M.G., Zadgaonkar, A.S. Solar-MHD desalinator 9—74508

Tarney, J. *see* Weaver, B.L. 9—70762

Tarnoczy, T., Vicsi, K.B. Some remarks on the perception of voiceless stop-consonants 9—98558

Tarnopol'skii, A.V. *see* Martynov, A.N. 9—79115

Tarnopol'skii, B.L. *see* Chetkina, L.A. 9—86783

Tarnopolsky, G.J. *see* Chilingarov, A. 9—54365, 9—54368

Tarnovetskii, V.V. *see* Strinadko, L.V. 9—98518

Tarnowski, D. *see* Royer, D. 9—67747

Taro Tamura *see* Kit-Keung Kan 9—63613

Tarone, R.E. *see* Gantt, R. 9—96615

Taroni, A. *see* Coppi, B. 9—98937

Taroni, A. *see* Morten, B. 9—80617

Taroshchin, Yu.L. *see* Berigin, N.N. 9—77237

Taroyan, S.P. *see* Avakyan, R.O. 9—59051, 9—75970

Tarr, C.E., Whalley, L.R. Electric field induced biaxiality in the nematic phase 9—90532

Tarr, C.E. *see* Brownstein, K.R. 9—83721

Tarr, N.G., Pulfrey, D.L. New experimental evidence for minority-carrier MIS diodes 9—51676

Tarr, S.M., Rabitz, H. Vibrational-rotational relaxation from high vibrational states in HeHD 9—54945

Tarr, S.M. *see* Schiavone, J.A. 9—68324, 9—89790

Tarrats, A., Escudie, J.L. A semi-phenomenological analysis of proton elastic scattering 9—93632

Tarricone, L. *see* Paorici, C. 9—52095

Tarricone, L. *see* Romeo, N. 9—51460

Tarshis, A.M. *see* Pengelly, L.D. 9—100650

Tarshish, M.S., Rogachev, N.F. Precision in measuring hydraulic characteristics of diaphragms and nozzles 9—82004

Tartakovskii, B.D. *see* Avilova, G.M. 9—64395

Tartakovskii, B.D. *see* Mett, L.I. 9—90078

Tarte, P., Preudhomme, J. Studies of spinels. VI. Antimonates $M_4^{II}M^{III}Sb^{V}O_8$, a new, large family of spinels presenting order-disorder transitions 9—91431

Tarte, P. *see* Gabelica-Robert, M. 9—61360

Tarter, J.C., Wright, M.C.H. Improved limits on intergalactic intracluster H I in the Coma Cluster 9—75276

Tarumov, E.Z. *see* Babykin, M.V. 9—68945

Tarusov, B.N. *see* Borodyuk, N.R. 9—79596

Tarutani, K. *see* Sasaki, M. 9—93796

Tarvainen, M. *see* Hyvonen-Dabek, M. 9—52838

Tarvin, J.A., Eckert, J. Order parameter of holmium in a magnetic field 9—61104

Tarvin, J.A., Passell, L. Analysis of the line shapes observed in the scattering of thermal neutrons from superfluid ^{4}He 9—60572

Tarvin, J.A., Sigler, R.D., Busch, G.E. Wave-front shearing interferometer for cryogenic laser-fusion targets 9—97417

Tarvin, J.A. *see* Musinski, D.L. 9—49834

Tarvin, J.A. *see* Vidal, F. 9—55960

Tarzia, D.A. On the two phase Stefan problems 9—71382

Tarzimanov, K.D. *see* Galimov, D.G. 9—65740

Tas, A. *see* Rottger, H. 9—63749

Tasaka, A., Watanabe, N. Materials involving fluorine 9—96282

Tasaka, K., Adachi, H., Sobajima, M., Soda, K., Suzuki, M., Okazaki, M., Shiba, M. Performance test of the upper head injection system at the ROSA-II test facility 9—81028

Tasaka, S. *see* Fuchi, H. 9—59299, 9—63548, 9—80112, 9—85299

Tasaki, A. *see* Kita, E. 9—87302

Taschner, W. *see* Abdel-Salam, M. 9—94829

Tashaev, Y.A. *see* Dmitriev, I.S. 9—86054

Tashima, M.M. *see* Feng, M. 9—52130, 9—87005

Tashimov, M. *see* Aksinenko, V. 9—97713

Tashiro, H. *see* Yoshikawa, K. 9—80670

Tashiro, K., Kobayashi, M., Tadokoro, H. Polarized Raman spectra of doubly oriented poly(vinyl alcohol) 9—65872

Tashiro, M. *see* Arioka, M. 9—70057

Tashiro, M. *see* Ito, S. 9—91635

Tashiro, T., Takeuchi, S., Saidoh, M., Itoh, N. Luminescence induced by tunnelling recombination between neutral silver atoms and V_k centres in alkali halides 9—61442

Tashiro, T. *see* Ishihara, N. 9—85860

Tashiro, T. *see* Kinoshita, K. 9—58940

Tashiro, T. *see* Noda, H. 9—58929

Tashjian, B.M. Planning for [nuclear plant] reliability, availability, and maintainability 9—97774

Tashkinova, L.G. *see* Alekseyeva, L.M. 9—58158

Tasi, M.J., Pimmel, R.L., Donohue, J.F. Automatic classification of spirometric data 9—57803

Tasker, P.W. The surface energies, surface tensions and surface structure of the alkali halide crystals 9—60610

Tasker, P.W. A semi-empirical molecular orbital model of silica: application to radiation compaction 9—73433

Taskinen, A., Kullberg, H. Oxygen chemical diffusion coefficient in hyperstoichiometric uranium dioxide 9—85608

Tasnady, P. Kinematical theory of electron diffraction 9—55615

Tasnady, P. Interpretation of dislocation contrasts (dynamical theory) 9—55744

Tassell, C., Maule, D.J. Photodiode arrays—characteristics and applications 9—89002

Tasselli, P.L. *see* Borchi, E. 9—95384

Tasset, F. *see* Givord, D. 9—78329

Tassi, A. *see* Rastelli, E. 9—87273

Tassinari, M. *see* Leal Ferreira, G.F. 9—82598

Tasso, H. On a recent extension of Poisson formalism 9—63080

Tasso, H. *see* Caldas, I.L. 9—49061

Taszner, S., Grzywacz, J. Further study on the forms of umbelliferone in excited state. II 9—59377

Tata, X. *see* Takasugi, E. 9—89208

Tatalashvili, N.G. *see* Baiburina, S.G. 9—80156, 9—80170

Tatarchenko, V.A. *see* Borodin, V.A. 9—61513

Tatarchenko, V.A. *see* Satunkin, G.A. 9—94936

Tatarchuk, N.I. *see* Kozlov, I.A. 9—54121

Tatarczuk, J.R. Clinical nuclear medicine image processing 9—92371

Tatarczuk, J.R., Flesh, L.H., Kihm, R.H., Senecal, J.A. Multiple window rectilinear scanner modification 9—70620

Tatarek, R. *see* Cantini, P. 9—61487

Tatarenko, L.N., Protsenko, N.P., Popovkin, B.A., Grekov, A.A. Increase in the ferroelectric phase transition temperature of SbSI in two-phase alloys SbSI-Sb_2S_3 9—78632

Tatarenko, S. *see* Lang, B. 9—87535

Tatarinov, S.I., Bulanov, V.M., Finkel, A.G. Cell for the investigation of infrared spectra 9—93238

Tatarintsev, B.V. *see* Volkova, V.V. 9—100358

Tatarintsev, L.V. *see* Babeiko, Yu.A. 9—59690

Tatarintsev, V.I. *see* Aleksandrov, V.I. 9—52399

Tatarintsev, V.M. *see* Aleksandrov, V.I. 9—70032

Tatarintsev, V.M. *see* Glushkova, V.B. 9—52188

Tataronis, J.A. *see* Rosenau, P. 9—72988

Tatarskii, V.I. Presentation of solutions of some diffraction problems in form of Gaussian functional integrals 9—76902

Tatarskii, V.I., Gurvich, A.S., Elepov, B.S., Pokasov, V.V., Sabelfeld, K.K. Space structure of strong intensity fluctuations of light in a turbulent medium 9—98278

Tatarskii, V.I. *see* Gurvich, A.S. 9—98279

Tataru-Mihai, P. Instantons and characters 9—63345
Tataru-Mihai, P. Classical solutions for the 4-dimensional σ nonlinear model 9—63347
Tate, A., Tamura, S., Sakuma, T. Tunneling-states model and the propagation characteristics of surface phonons in amorphous solids at low temperatures 9—69337
Tate, J.W. *see* Young, M.W. 9—56357
Tate, T.J. *see* Diffey, B.L. 9—92382
Tatemoto, K., Mutt, V. Chemical determination of polypeptide hormones 9—92448
Tateno, H. Interactions of point defects with dislocations in sodium chloride crystals. I 9—90662
Tateno, J. Intermediate phase appearing in non-stoichiometric compounds 9—65013
Tateno, Y., Fujii, T., Uchiyama, G., Masuda, Y. Methods for cutting time of ECG-synchronized CT using special X-ray generator 9—66538
Tatewaki, H., Tanaka, K., Sasaki, F., Obara, S., Ohno, K., Yoshimine, M. Configuration-interaction study of lower excited states of O_2: Valence and Rydberg characters of the two lowest $^3\Sigma_u^-$ states 9—81158
Tatewaki, H. *see* Noro, T. 9—72421
Tateyama, N. *see* Akashi, M. 9—63562
Tatibouet, J. *see* Perez, J. 9—55754
Tatoian, V. *see* Rosen, G. 9—49065
Tatone, O.S. *see* Pathania, R.S. 9—59178
Tatsumi, R. *see* Nakamura, K. 9—73190
Tatsuta, S., Sakurai, T. Low-temperature annealing characteristics of low-energy BF_2^+ implanted silicon 9—55759
Tatsuzaki, I. *see* Sakai, A. 9—91312
Tatsuzaki, I. *see* Takoshima, T. 9—78536
Tattersall, P. *see* Pilling, M.W. 9—65264
Tatum, J.B. Some methods for aligning the polar axis of a telescope 9—70957
Tatur, S. Chiral symmetry breaking in the bag model 9—63408
Tat'yan, B.B. *see* Alekseev, E.N. 9—80163, 9—80164
Tatyushkin, N.I., Trishin, Yu.A. Some effects which arise in connection with the explosive squeezing of a viscous cylindrical shell 9—86378
Taub, A.I., Spaepen, F. Isoconfigurational flow of amorphous $Pd_{82}Si_{18}$ 9—66122
Taub, H. *see* Hansen, F.Y. 9—99417
Taub, I.A. *see* Halliday, J.W. 9—52699
Taube, M. Is the transmutation of strontium-90 and caesium-137 feasible in a high flux fission reactor? 9—85708
Taubenheim, J. *see* Lauter, E.A. 9—88523
Tauber, A. *see* Bergner, R.L. 9—82824, 9—82825
Tauber, M.E. *see* Pollack, J.B. 9—53741
Tauber, S. Pattern recognition methods in air pollution control 9—70480
Tauber, V.V. *see* Gavrilyuk, A.V. 9—95620
Taubin, M.L. *see* Deryavko, I.I. 9—96265
Tauc, J. *see* Hauser, E. 9—56188, 9—95865
Tauc, J. *see* O'Connor, P. 9—82973
Tauchert, T.R. *see* Clements, D.L. 9—68570, 9—94470
Taukulis, R.A., Zimmer, A.M., Pavel, D.G., Patel, B.A. Technical parameters associated with miniaturized chromatography systems 9—96391
Taulbee, D.B. The effect of diffusion on the settling of aerosol particles in flow in a parallel plate channel 9—66371
Taulbee, D.B., Carpenter, P.S. Gravitational deposition of aerosol particles from a developing flow in a horizontal circular tube 9—50776
Taulbee, D.B. *see* Yu, C.P. 9—62287
Taulbjerg, K. *see* Briggs, J.S. 9—54803, 9—86062
Taulbjerg, K. *see* Bruch, R. 9—59414
Taupin, D. *see* Nourtier, C. 9—78434
Taur, Y. Noise down-conversion in a pumped Josephson junction 9—56432
Taura, M. Origin and fate of paired cisternae in mitotic aortic cells of swine 9—74604
Taure, L.F. *see* Zaletaev, S.P. 9—73900
Taureg, H. *see* Abrams, G.S. 9—89149, 9—89174
Taurel, L. *see* Ghomi, M. 9—56791
Taurel, L. *see* Rzepka, E. 9—73943
Taurinskas, M.V., Vanagas, V.V. Coefficients for the SU_3-irreducible decomposition of operators and the properties of basic interactions 9—63608
Taurinskas, M.V. *see* Vanagas, V.V. 9—63607, 9—63609
Tausch, H.J. *see* Stockero, L.J. 9—89546
Tausch, P.J., Newrock, R.S., Mitchel, W. High-field transverse and longitudinal thermal magnetoresistances of potassium 9—95385
Tauscher, L. *see* Backenstoss, G. 9—68336, 9—76035
Tauscher, L. *see* Konijn, J. 9—86085, 9—98251
Tautz, M.F. *sèe* Blanar, G.J. 9—93473
Tavadze, F.N., Gabuniya, D.L., Tsagareishvili, G.V., Khvedelidze, A.G. Shape of the crystallization front during electron-beam zone refining of β-B without a crucible 9—78871
Tavakol, R.K. *see* Roxburgh, I.W. 9—66979, 9—85016
Tavan, P., Schulten, K. The 2^1A_g-1^1B_u energy gap in the polyenes: An extended configuration interaction study 9—81159
Tavan, P., Schulten, K. Correlation effects in the spectra of polyacenes 9—81199
Tavard, C. *see* Royer, F. 9—90665
Tavares, J. *see* Brownell, G. 9—66516
Tavastsherna, K.N. The right ascension correction of clock stars. A reduction of the Melbourne observations 9—92653
Tavel, J.F., Ratcliff, K.F., Rosenzweig, N. The effective interaction arising from the irregular surface of a small metallic particle 9—99470
Tavendale, A.J., Lawson, E.M. Solid-state gamma-ray detectors from cadmium telluride 9—63865
Tavera, F.J., Davenport, W.G. Equilibrations of copper matte and fayalite slag under controlled partial pressures of SO_2 9—83152
Tavernier, S. *see* de Wolf, E.A. 9—49543
Taverse, J.P. *see* Aldebert, P. 9—99357
Tavlarides, L.L. *see* Freeman, R.W. 9—60045
Tawara, H. On a scaling of electron capture by fully ionized heavy ions in light gas targets at low MeV energies 9—64102
Tawara, H., Richard, P., Gray, T.J., Pepmiller, P., Macdonald, J.R., Dillingham, R. Comparison of K-shell ionization cross sections of Si in solid and gas targets for F^{q+}+Si collisions (q=4-9) at 1 and 2 MeV/amu 9—83060
Tawara, H., Richard, P., Jamison, K.A., Gray, T.J., Newcomb, J., Schmiedekamp, C. X-ray production by electron excitation, ionization, and capture for F^{q+}(q=1-9) ions in collisions with a He gas target 9—76379
Tawara, J. *see* Tsutsui, K. 9—74800
Tawfik, A., Molokhia, N. Dielectric behaviour of sodium acetylacetonate 9—91390
Tawney, D.A. *see* Crellin, J.R. 9—62952
Taxil, P. *see* Soffer, J. 9—89201
Tayal, S.S., Singh, S.N., Tripathi, A.N. Comparison of eikonal-Born series and modified Glauber approach for the study of elastic electron-hydrogen scattering 9—81281
Tayler, C. A spectrum of progress in infrared equipment 9—67398
Tayler, P.L. *see* Pitt, C.H. 9—100164
Taylor, A.J. *see* Singer, K. 9—73082
Taylor, A.R. *see* Gregory, P.C. 9—88755
Taylor, A.R. *see* Seaquist, E.R. 9—88661
Taylor, B.F. Pseudo heteronuclear INDOR experiments using a Fourier Transform NMR spectrometer 9—93185
Taylor, B.F. *see* O'Neill, A. 9—79968
Taylor, C. Sound in the sixth [teaching] 9—62973
Taylor, C. *see* Morgan, K. 9—68808
Taylor, D. Amorphous materials catch up with crystals 9—57431
Taylor, D., Smedley, J., Broomfield, A.M. Operation of the PFR and design of the CDFR secondary circuit 9—97788
Taylor, D. *see* Henderson, C.M.B. 9—91445
Taylor, D.F., Jr. Airy-pattern calculations: let your fingers do the work 9—72481
Taylor, D.G., Demas, J.N. The step excitation method for studying reversible excited-state electron-transfer reactions: experimental realization 9—91929
Taylor, D.G., Demas, J.N., Bowman, W.D., Harris, E.W., McBride, R.P. New methods of measuring light intensities 9—49295
Taylor, D.J. *see* Schmidt, E.G. 9—96923
Taylor, D.J.E. *see* Diprose, M.F. 9—100779
Taylor, D.J.E. *see* Fitzgerald, M.C. 9—83962
Taylor, D.J.E. *see* Pepper, M.G. 9—57801
Taylor, D.R. Magnetic resonance and spin dynamics in a one-dimensional XY system 9—61211
Taylor, D.W. *see* Bloom, D.M. 9—94358
Taylor, D.W. *see* Fork, R.L. 9—73992
Taylor, E.F. What is the American Journal of Physics? 9—58456
Taylor, E.W. Film lighting using metal-halide lamps 9—75641
Taylor, F.E., Webb, G.A.M. Radiation exposure of the UK population—an extended summary 9—62373
Taylor, F.W., McCleese, D.J., Diner, D.J. Polar clearing in the Venus clouds observed from the Pioneer Orbiter 9—70978
Taylor, G. Free piston Stirling engines increase solar/thermal efficiency 9—96481
Taylor, G. *see* Garratt-Reed, A.J. 9—83277
Taylor, G. *see* Harlow, G.E. 9—66963
Taylor, G.C. *see* Townsend, P.D. 9—74009
Taylor, G.H. *see* Green, J.C. 9—89457
Taylor, G.J., Keil, K., Berkley, J.L., Lange, D.E. The Shaw meteorite. History of a chondrite consisting of impact-melted and metamorphic lithologies 9—92730
Taylor, H.A., Jr. *see* Brace, L.H. 9—80256
Taylor, H.E. *see* Garbarino, J.R. 9—83520
Taylor, H.E. *see* Johnson, G.W. 9—100459
Taylor, H.F. An optical analog-to-digital converter—design and analysis 9—55249
Taylor, H.F. Fiber and integrated optical devices for signal processing 9—76887
Taylor, H.L., Banks, S.C., McCoy, J.F. Deconvolution with the l_1 norm 9—88484
Taylor, H.S. Electronic to vibrational energy transfer in Na(3^2P) with simple molecules 9—76496
Taylor, H.W., Singh, B. The decay of 2.8 min ^{145}Ce and 2.3 min ^{148}Pr 9—93558
Taylor, J.B., Calvert, L.D., Wang, Yu. Powder data for some new europium antimonides and bismuthides 9—51075
Taylor, J.B. *see* Mart, P.L. 9—87840
Taylor, J.B. *see* Murray, J.J. 9—66042
Taylor, J.B. *see* Wang, Y. 9—99135
Taylor, J.B. *see* Yu Wang 9—69078
Taylor, J.C. Noise in bearings 9—64398
Taylor, J.C. *see* Andrasi, A. 9—71612
Taylor, J.D. *see* Green, M.A. 9—54219
Taylor, J.F.N. *see* Wyse, R.K.H. 9—70596
Taylor, J.G. Electroweak theory in SU(2|1) 9—63402
Taylor, J.G. Gauging SU(n/m) 9—67467
Taylor, J.G. Quantizing space-time 9—71343
Taylor, J.G. Superunification in SU(5|1) 9—97557
Taylor, J.G. *see* Bedding, S. 9—54028, 9—85038
Taylor, J.H. *see* Fowler, L.A. 9—75234
Taylor, J.L., Weinberg, W.H. On the use of contact potential difference measurements to determine isosteric heats of adsorption 9—66347
Taylor, J.L. *see* Ibbotson, D.E. 9—77901
Taylor, J.W. *see* Cook, K.D. 9—74356
Taylor, K., Axon, D.J. Optical evidence for stellar wind bubbles in the Orion Nebula? 9—88724
Taylor, K.J.W. Clinical properties of current ultrasound techniques 9—79619
Taylor, K.J.W., Atkinson, P., de Graaff, C.S., Dembner, A.G., Rosenfield, A.T. Clinical evaluation of pulse-Doppler device linked to gray scale B-scan equipment 9—92311
Taylor, K.N.R. *see* Chiu, L.B. 9—61210, 9—82868, 9—86743
Taylor, K.N.R. *see* Collocott, S.J. 9—65894
Taylor, K.N.R. *see* Darby, M.I. 9—82198
Taylor, K.N.R. *see* King, D.J. 9—92839
Taylor, K.T. *see* Burke, P.G. 9—98050
Taylor, L.E., Charters, W.W.S. Design problems of air source solar boosted heat pumps 9—57439
Taylor, L.E. *see* Ohanessian, P. 9—57414
Taylor, L.G. *see* Stoll, A.P. 9—58738
Taylor, L.H., Feldman, R.B. A technique for determining gas temperature and atomic density such as in CuBr lasers 9—82037
Taylor, M.A. *see* Asselin, S.V. 9—85646
Taylor, M.D. *see* Hindley, K.B. 9—71004
Taylor, M.F. *see* Pickett, P.E. 9—59975
Taylor, M.G. *see* Coghlan, B.A. 9—57731, 9—88145
Taylor, M.J. Bereitschaftspotential during the acquisition of a skilled motor task 9—62224
Taylor, M.R. *see* Elliott, C.R. 9—74106
Taylor, O.W. *see* Bradshaw, D.T. 9—89368
Taylor, P.A. *see* Chandler, P.E. 9—61904
Taylor, P.A. *see* Chesters, M.A. 9—66353
Taylor, P.C. *see* Bishop, S.G. 9—65918
Taylor, P.C. *see* Jellison, G.E., Jr. 9—61261
Taylor, P.H. *see* Langley, A.J. 9—81714
Taylor, P.J., Heasman, A.J. A local wind in Snowdonia 9—100934
Taylor, P.L. 'It ain't necessarily so' [Theory of thermoelectricity] 9—69498
Taylor, P.L. *see* Banik, N.C. 9—82331
Taylor, P.L. *see* Hopfinger, A.J. 9—87398
Taylor, P.L. *see* Rudnick, J. 9—94919
Taylor, P.L. *see* Vilenkin, A. 9—95390
Taylor, P.R., Bacskay, G.B., Hush, N.S., Hurley, A.C. Unlinked cluster effects in molecular electronic structure. III. Potential curve for the CN^- ion and the adiabatic electron affinity of CN 9—68197
Taylor, P.T. *see* Vogt, P.R. 9—70746
Taylor, R., Leavens, C.R., Duesbery, M.S., Laubitz, M.J. Phonon-dislocation scattering and the low temperature electrical resistivity of potassium 9—60820
Taylor, R. *see* Cook, J.G. 9—82575
Taylor, R. *see* Jacucci, G. 9—82197
Taylor, R. *see* Leavens, C.R. 9—65447
Taylor, R.C. *see* Dunning, V.D. 9—68233
Taylor, R.C. *see* McGuire, T.R. 9—73692
Taylor, R.E., Bezanilla, F. Comments on the measurement of gating currents in the frequency domain 9—62222
Taylor, R.E. *see* Lee, T.Y.R. 9—55943
Taylor, R.E. *see* Prescott, C.Y. 9—75776
Taylor, R.H. Wind power research and development in the UK 9—79370
Taylor, R.H. *see* Axel, P. 9—72042
Taylor, R.I. *see* Atkinson, A. 9—82381
Taylor, R.J. Industrial impact in northwestern Whatcom County, Washington 9—57532
Taylor, R.J. *see* Zweben, S.J. 9—60184, 9—90464
Taylor, R.L. *see* Piper, L.G. 9—100351
Taylor, R.L. *see* Rosen, D. 9—98145
Taylor, R.S. *see* Apollonov, V.V. 9—98382
Taylor, S.R. *see* Fay, F.S. 9—88064
Taylor, T. *see* Berndt, M. 9—68025
Taylor, T.N., Rogers, J.W., Jr., Ellis, W.P. Oxygen chemisorption on Bi (0001): LEED/Auger/loss study 9—77908
Taylor, W.C. State concerns about the disposal of high-level radioactive waste 9—49716

Taylor, W.H., Murphy, M.F., March, M.R. Absolute calibration of the Rh-103(n,n')Rh-103m reaction rate 9—85875
Taylor, W.L. *see* Aziz, R.A. 9—68291
Taylor, W.W.L., Scarf, F.L., Russell, C.T., Brace, L.H. Evidence for lightning on Venus 9—70979
Taylor Wharton, J. *see* Boulware, R.J. 9—100708
Taymarov, M.A. *see* Alemasov, V.Ye. 9—94700
Taysum, D.H. *see* Lloyd, R.D. 9—100728
Tayurskii, V.A. *see* Pestov, Yu.N. 9—80178
Tazaki, S., Osawa, H., Gotoda, T., Yamada, Y. A quantitative estimate of the possibility of confusion of Japanese phonemes 9—68507
Tazaki, S. *see* Takada, K. 9—89251
Tazara, C. *see* Argan, P. 9—85453
Tazawa, S. *see* Morita, S. 9—54638
Tazawa, T. *see* Tanimura, O. 9—54421, 9—63691, 9—89279
Tazawa, Y. *see* Arai, O. 9—87542
Tazenkov, B.A., Gnezdilov, V.I., Gruzdev, F.A., Khalturin, A.S. Positive and negative photomemory in cuprous oxide 9—69557
Tazhiev, N. *see* Aripov, G. 9—79358
Tazieff, H. *see* Allard, P. 9—57912
Tazzari, S. *see* Bassetti, M. 9—68081, 9—72066
Tazzioli, F. *see* Bassetti, M. 9—68081, 9—72066
Tcheou, F. *see* Boucherle, J.X. 9—99032
Tchernev, D.I. Photoelectrolysis of water by solar energy 9—52959
Tchikilev, O.G. *see* de Wolf, E.A. 9—49543
Tchikilev, O.G. *see* Givernaud, A. 9—75801
Tchikvaidze, G.V. *see* Rodionov, A.N. 9—99315
Tchistilin, V.I. *see* Bayukov, Y.D. 9—85475, 9—93623
Tchorzewski, R.M. *see* Hutchinson, W.B. 9—91801
Tchoubar, C. *see* De Courville, J. 9—86642
Tchoubar, D. *see* De Courville, J. 9—86642
te Velde, J. *see* de Graaf, P. 9—70611
Te-Kao Wu Electromagnetic fields and power deposition in body-of-revolution models of man 9—53189
Te-Pogossian, M.M. *see* Mullani, N.A. 9—66517
Teacher, C.F., Coulter, D. Performance of LPC vocoders in a noisy environment 9—64416
Teale, R.W. Magnetic-relaxation phenomena 9—99776
Teale, R.W. *see* Lee, E.W. 9—51859
Teaney, P.E., Zielinski, R.E. Elevated temperature compatibility of Hastelloy C-276 and Bi_2Te_3 9—49680
Teas, D.C. *see* Hammond, E.J. 9—100794
Teas, D.C. *see* Kramer, S.J. 9—94400
Teas, D.C. *see* White, F.E. 9—86274
Tebaldi, C. *see* Pellacani, C. 9—53451, 9—60048
Tebo, A.R. Applications of helium-neon lasers in the infrared 9—94275
Tecchio, L. *see* Bell, M. 9—93413
Tedder, D.W. *see* Blomeke, J.O. 9—59204
Tedder, D.W. *see* Leuze, R.E. 9—85810
Tedder, J.M., Vidaud, P.H. The charge-exchange mass spectrum of benzene 9—79229
Tedder, S.H., Webber, S.E. Magnetic field effects on triplet-triplet annihilation in crystals 9—52023
Tedeishvili, L.K. *see* Kutateladze, K.S. 9—60281
Tedenac, J.C. *see* Brun, G. 9—86758
Tedenac, J.C. *see* Gardes, B. 9—96011
Tedeschi, H. *see* Bowman, C. 9—92446
Tedeschi, R. *see* Bucci, C. 9—57210
Tedesco, E.F. *see* Gehrels, T. 9—88617
Tedrow, P.M., Meservey, R. Experimental test of the theory of high-field superconductivity 9—87220
Tedrow, P.M. *see* Meservey, R. 9—60995, 9—78263
Teegarden, B. *see* Evans, D. 9—58441
Teer, D.G. Ion plating 9—83361
Teer, D.G. *see* El-Sherbiny, M. 9—82427
Teer, D.G. *see* Higham, P.A. 9—82485
Teer, D.G. *see* Williams, E.W. 9—82501
Teerhuis, P.C., Rodenburg, M., Maas, A.J.J. Easily controllable rotating room for vestibular research 9—84048
Teets, R.E. *see* Carlson, N.W. 9—76472
Teetsov, J. Techniques for analysis of small particles 9—97369
Tegenfeldt, J., Tellgren, R., Pedersen, B., Olovsson, I. Neutron diffraction study of sodium bromide dihydrate 9—77561
Tegman, R. *see* Paulsson, H. 9—60511
Tegze, M. *see* Babic, E. 9—73489
Tegze, M. *see* Vincze, I. 9—65002, 9—77528
Teh, G.A., So, V.C.Y., Stegeman, G.I. Tapered block coupling and mode conversion in integrated optics 9—50442
Teh, H.C. *see* Chen, S.-H. 9—50144
Teh, K.K., Huang, C.C. The vibrations of generally orthotropic beams, a finite element approach 9—68621
Teh Yu Tan *see* Tsu, R. 9—60400
Tehang-hee Hong, Yasuharu Suematsu Harmonic distortion in direct modulation of injection lasers 9—68411
Teherani, T.H., Peer, W.J., Lagowski, J.J., Bard, A.J. Electrochemical behavior and standard potential of Au^- in liquid ammonia 9—100386
Tehver, J., Tunik, A. On in-coating crisis of heat flux at boiling 9—50575
Tehver, Ya., Tunik, A. Concerning boiling on porous coating 9—72788
Teich, M.C., Card, H.C. Photocounting distributions for exponentially decaying sources 9—64192
Teich, M.C. *see* Prucnal, P.R. 9—72541
Teich-Alasia, S. *see* Demichelis, F. 9—74767
Teichler, H. On the theory of diffusion of light interstitials in metals 9—56689
Teichler, H. Effect of dislocation dissociation on the localized electron and hole states at screw dislocations in germanium 9—82546
Teichler, H. *see* Gladisch, M. 9—56446
Teichler, H. *see* Metz, H. 9—56693
Teichmann, D. Eigenfrequencies of curved beams with variable radius of curvature and presentation of eigensolutions in an animated film 9—90174
Teichmann, J. Stochastic stability of MHD equilibria 9—77414
Teichmann, J. *see* Boucher, C. 9—64841
Teichroew, D., Hershey, E.A., III, Yamamoto, Y. Computer-aided software development 9—89580
Teifel', V.G. Limb darkening and properties of the polar regions of Jupiter 9—62790
Teiger, J. *see* Chilingarov, A. 9—54365, 9—54368
Teii, S. *see* Chang, J.-S. 9—64941
Teijema, J. *see* Hoogendoorn, D. 9—68891
Teikovtsev, A.A. *see* Gryaev, V.M. 9—97877
Teillet, J. *see* Chappert, J. 9—73863
Teillet-Billy, D. *see* Ziesel, J.P. 9—54977
Teipel, I. Heat transfer in unsteady laminar boundary layers at an incompressible three-dimensional stagnation flow 9—64659
Teipel, I. Unsteady laminar boundary layers in an incompressible three-dimensional stagnation flow 9—81848
Teisseire, M. *see* Devienne, F.M. 9—74047
Teisseron, G., Peretto, P., Berthier, J. TDPAC calculations for mixed SDW and Zeeman hyperfine interactions. Application to the Cr-Ta system 9—99797
Teitel, R.J. Al-Mg-Zn pyrometallurgical process for U-Pu fuel cycles 9—85735
Teitel, S. *see* Ambegaokar, V. 9—69313
Teitelbaum, H. *see* Dove, J.E. 9—76493
Teitsma, A. *see* Egelstaff, P.A. 9—90358
Teixeira, A.F.da F. *see* Kleber, A. 9—88847
Teixeira-Dias, J.J.C. The Raman spectra of bromoform 9—76436
Tejada, J., Fontcuberta, J., Rodriguez, R. Mossbauer study of Co and Fe spinels acting as sources and absorbents 9—56637
Tejada, J., Oliva, M., Rodriguez, R. After effects of orbital electron capture in Co spinels 9—73870
Tejada, J. *see* Rodriguez, R. 9—99090
Tejada Palacios, J. Mossbauer study of the charge state and symmetry of $^{57}Fe^m$ in diverse cobalt spinels 9—69754
Tejedor, C., Verges, J.A. Ab initio self-consistent calculation of silicon electronic structure by means of Wannier functions 9—69409
Tejedor, C. *see* Flores, F. 9—56295
Tejerina, A.F. *see* Garrido, J. 9—70330
Tejerina, F., Zaragoza, C. A new statement of Hamilton's principle for thermodynamic systems 9—88896
Tejwani, M. *see* Rehr, J.J. 9—95243
Tekade, C. *see* Wellens, U. 9—59807
Tekiel, P. One-dimensional mixed state of the type-I superconductors in longitudinal magnetic field 9—87213
Tekiel, P. *see* Kasperczyk, J. 9—65585
Tekiel, P. *see* Kozlowski, G. 9—65583
Tekiel, P. *see* Kryzyszton, T. 9—87219
Tekiel, P. *see* Krzyszton, T. 9—82709
Tekiel, P. *see* Piasecka, A. 9—65622
Tekieli, M.E., Cullinan, W.L. The perception of temporally segmented vowels and consonant-vowel syllables 9—98560
Tekieli, M.E. *see* Cullinan, W.L. 9—98561
Tekou, A. *see* Bizard, G. 9—63664
Telbizov, P.K. *see* Kazantsev, S.A. 9—72277
Telegadas, K. Estimation of maximum credible atmospheric radioactivity concentrations and dose rates from nuclear tests 9—83948
Telegdi, V.L. Fundamental physics experiments with reactor neutrons and neutrinos: a summary 9—67543
Telegdi, V.L. *see* Truttmann, P. 9—54429
Telegin, Yu.N. *see* Get'man, V.A. 9—63487, 9—89170
Telegin, Yu.N. *see* Gorbenko, V.G. 9—80830
Telegon, A.I. *see* Sokolov, V.I. 9—57064
Telenin, G.F. *see* Dumnov, G.E. 9—90332
Telepa, V.T. *see* Galkin, A.A. 9—87255
Telepchak, M.J. *see* Kohler, D.A. 9—79338
Telepnev, V.D. *see* Strel'nikov, V.P. 9—93155
Telesca, G. *see* Messiaen, A.M. 9—99000
Telesnin, R.V., Zavartsev, Yu.D., Letova, T.N., Lyu-Fa-Chun, M., Saraeva, I.M., Shpin'kov, N.I. Investigation of magnetic anisotropy of Co-Gd films 9—99735
Telford, J.W., Presley, J.D. The surface boundary layer as a part of the overlying convective layer 9—92576
Telionis, D.P. Unsteady boundary layers, separated and attached 9—77086
Tel'kovskii, V.G. *see* Vinogradova, O.A. 9—71956
Tell, B., Thiel, F.A. Photovoltaic properties of p-n junctions in $CuInS_2$ 9—99574
Telle, J.M. *see* McDowell, R.S. 9—94218
Teller, D.Y. *see* Dobson, V. 9—53112
Teller, M., Woelk, G. Pressure drop in one-dimensional axial flow through moving beds 9—68797
Tellgren, R. *see* Tegenfeldt, J. 9—77561
Telli, Z.K. General theory of multi-component gas diffusion in continuous systems 9—98845
Tellier, C.R., Pichard, C., Tosser, A.J. Temperature dependence of the Hall coefficient of thin films 9—95516
Tellier, C.R., Tosser, A.J. Approximate strain coefficients of metallic films deduced from an effective Fuchs Sondheimer conduction model and from an effective relaxation time method 9—78222
Tellier, C.R., Tosser, A.J. Effect of thermal expansion of the grain boundary reflection coefficient on the temperature coefficient of resistivity of thin polycrystalline films 9—91162
Tellier, C.R., Tosser, A.J. Adequate use of the Cottey model for the description of conduction in polycrystalline films 9—95517
Tellier, C.R., Tosser, A.J., Pichard, C. Longitudinal magnetoresistance of thin metal films 9—78224
Tellier, C.R. *see* Pichard, C.R. 9—78209
Tellinghuisen, J., Ragone, A., Kim, M.S., Auerbach, D.J., Smalley, R.E., Wharton, L., Levy, D.H. The dispersed fluorescence spectrum of NaAr: ground and excited state potential curves 9—98140
Tellinghuisen, J. *see* Hui, A.K. 9—64939
Tellinghuisen, J. *see* Roche, A.L. 9—86020
Tellinghuisen, J. *see* Sur, A. 9—59482
Telnov, V.I. *see* Abrams, G.S. 9—89174
Telo da Gama, M.M., Evans, R. The density profile and surface tension of a Lennard-Jones fluid from a generalized Van der Waals theory 9—90772
Telo da Gama, M.M. *see* Evans, R. 9—99046
Telshov, V.V. *see* Elagin, V.I. 9—52607
Temchin, A.N. *see* Bonch-Bruevich, V.L. 9—78112
Temerov, V.L. Topographs of the resonant vibrations of an isotropic ferrite disk 9—64394
Temiraliev, T. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Temkin, A.G. Integral solutions of inverse heat conduction problems 9—81681
Temkin, D.E. Region of metastability in normal growth in a binary alloy 9—87613
Temkin, D.E. Normal growth on an atomically rough boundary in a binary alloy 9—94934
Temkin, H. *see* Chin, A.K. 9—64964
Temkin, R.J., Kreischer, K., Wolfe, S.M., Cohn, D.R., Lax, B. High frequency gyrotrons and their application to Tokamak plasma heating 9—60159
Temkin, R.J. *see* Biron, D. 9—60100
Temkin, R.J. *see* Hacker, M.P. 9—55549
Temkin, S.I., Burshtein, A.I. On the shape of the Q-branch of Raman scattering spectra in dense media. Theory 9—98104
Temkin, S.I., Burshtein, A.I. On the shape of the Q-branch of Raman scattering spectra in dense media. Comparison with experiment 9—98105
Temkin, S.I., Burshtein, A.I. On the shape of the Q-branch of Raman scattering spectra in dense media. Anisotropic scattering 9—98106
Temkivi, R.P. *see* Avarmaa, R.A. 9—66447
Temmerman, W.M. *see* Durham, P.J. 9—83059
Temmyo, J., Inamura, T., Yoshikawa, S. Fundamental performance of a surface-acoustic-wave transversal equalizer 9—68532
Tempel, A., Schumann, B. Measurement of lattice parameters of $A^{I}B^{III}C^{VI}_2$ chalcopyrite-type epitaxial layers using reflection high energy electron diffraction 9—90913
Tempel, A. *see* Schumann, B. 9—65564
Tempel, M.Van Den *see* Van Den Tempel, M.
Temperini, M.L.A. *see* Santos, P.S. 9—50019
Temperley, H.N.V. Phase transitions in classical liquids 9—60481
Temperley, J.K. *see* Eccleshall, D. 9—72024
Temperton, C. Direct methods for the solution of the discrete Poisson equation: some comparisons 9—58536
Temperville, A. Interactions of solitary waves in shallow water theory 9—68728
Tempest, A.C. *see* Bagnall, K.W. 9—76428
Temple, P.A. Measurement of thin-film optical absorption at the air-film interface within the film and at the film-substrate interface 9—80659
Temple, S.M., Foster, R.G., Versluis, R.M. The assessment of core-wide fuel performance 9—93766
Templer, H. *see* Chaudhri, M.A. 9—57755
Templeton, I.M. *see* Perz, J.M. 9—73422
Templeton, S. *see* Corrigan, E. 9—54252
Templeton, T.L. *see* Arrott, A.S. 9—82826
Templeton, T.L. *see* Burgerjon, J.J. 9—76222

Templier, C., Delafond, J. Study of central scattering of X-rays of the segregation of a Al-Zn 22 at.% alloy 9—96032
Temps, F. *see* Davies, P.B. 9—76454
Temraz, H.M. *see* Sawan, M.E. 9—89434
Ten, E.V. *see* Kozlov, V.F. 9—57968
Ten-Huei Guo *see* Hwang, H.H. 9—96415
Tenabe, S.O. *see* van der Vloedt, A.M.V. 9—62303
Tench, A.J. *see* Praliaud, H. 9—100339
Tench, D., Ogden, C. The effect of depassivation at specific crystal facets on the state of activation of nickel substrates for electrodeposition 9—61777
Tenchio, G. *see* Jackel, H. 9—89919
Tenckhoff, E. Cause of crack formation during stress relief in the heated zones of low alloy fine-grain fabricated steel 9—74242
Tenczew, C. *see* Dobrew, D. 9—74129
Tendam, I.M., Morrison, D.B. *(editor)* Fifth Annual Symposium on Machine Processing of Remotely Sensed Data 9—88473
Tendeloo, G.Van *see* Van Tendeloo, G.
Tendler, R.H.de *see* de Tendler, R.H.
Tendow, Y. *see* Tamura, T. 9—75818
Tenenbaum, J., Erlandson, R.F. A program for the analysis and simulation of signals 9—79678
Tenenbaum, J., Smilanski, I., Gabay, S., Levin, L.A., Erez, G. Laser power variation and time dependence of populations in a burst-mode CuBr laser 9—50284
Tenescu, E.M. Excitonic spectra of crystalline thin films of γ-CuI 9—78771
Tenescu, E.M. *see* Simhony, M. 9—54187
Teneva, M.I., Dimchev, T.V. Composition and activity of the radionuclides in the monthly fallout on Bulgarian territory during 1976 9—88018
Teng, L. *see* Hojvat, C. 9—67971
Teng, L.C. Acceleration of polarized ions in synchrotrons 9—63840
Teng, S.T., Fuess, H., Bats, J.W. Ammonium thiosulphate 9—77562
Teng Chi-Tung, Chang Yu-Ming, Fan Fu-Tian, Hsu Kwei-Lin On the tectonic stress field in China and its relation to plate movement 9—62478
Tengstrand, G. *see* Bergstrom, L. 9—49522
Tenishev, A.E. *see* Bratashevskii, A.S. 9—85305
Tenishev, A.E. *see* Derebchinskii, A.I. 9—76318
Tenjin, Y. *see* Noguchi, Y. 9—88224
Tenjin, Y. *see* Onoe, M. 9—88227
Tennankore, K.N., Steward, F.R. Comparison of several turbulence models for predicting flow patterns within confined jets 9—64720
Tenne, R., Bergmann, E. Scaled particle theory for non-additive hard spheres 9—60252
Tenne, R. *see* Barboy, B. 9—60240
Tennenhouse, G.J. *see* Kinsman, K.R. 9—66045
Tennenhouse, G.J. *see* Lingscheit, J.N. 9—87745
Tennery, V.J. *see* Williams, R.O. 9—70045
Tenney, D.R. *see* Unnam, J. 9—55892
Tennyson, S.A. *see* Levine, R.S. 9—70717
Tenti, G., McCourt, F.R. Low density relaxation of the transverse nuclear magnetization in molecular gases 9—59490
Tenti, G., McCourt, F.R. Non-resonant absorption by a dilute gas of symmetric top molecules 9—68901
Tentner, A.M., Wider, H.U., Bowers, C.H. A mechanistic model of fuel flow regimes and fuel plateout in LMFBR overpower accidents 9—85615
Tenu, R., Counioux, J.-J., Mohammed Ali Sadeghi The ternary system H_2O-$CaCl_2$-$BaCl_2$. Isotherm 45°C 9—96004
Tenze, E. *see* Leonardi, R. 9—71789
Teo, S.C. *see* Lindley, P.B. 9—83316
Teodorescu, I.A. *see* Birjega, M.I. 9—77965
Teodorescu, V., Nistor, L.C., Nistor, S.V. Electron microscopy study of pure and doped synthetically grown CaF_2 crystals 9—65077
Teodorescu, V. *see* Birjega, M.I. 9—61516, 9—77961
Teodorescu, V. *see* Nistor, L.C. 9—91580
Teodoro, M.R. *see* Maris, T.A.J. 9—93621
Teodoro, M.R. *see* Maris, Th.A.J. 9—75846
Teodosiu, C., Nicolae, V., Soos, E., Radu, C.G. Viscoplastic behaviour of the AISI 316L austenitic stainless steel under hot working conditions. I. Constitutive equations 9—57024
Teodosiu, C., Soos, E., Radu, C.G. Viscoplastic behaviour of the AISI 316 L austenitic stainless steel under hot working conditions. II. A structural model of viscoplastic deformation 9—83278
Teodosiu, C. *see* Atanasiu, N. 9—56991
Teoh, W. *see* Al-Ghazi, M.S. 9—57312
Teoste, R., Capes, R.N. High-altitude infrared radar wind measurements 9—70865
Tepe, R. *see* Hannakam, L. 9—86105
Teper, M.J. *see* Duke, D.W. 9—93372
Tepfers, R. Cracking of concrete cover along anchored deformed reinforcing bars 9—96122
Tepley, C.A. *see* Ganguly, S. 9—62665
Tepley, N. *see* Boismier, G. 9—79567
Teplinskii, V.M. *see* Vol'skii, E.P. 9—77988
Teplitskaya, T.A. *see* Alekseeva, T.A. 9—87891
Teplitskii, M.D. *see* Daneliya, E.P. 9—52217, 9—90781
Teplitskii, M.D. *see* Daneliys, E.P. 9—70067
Teplitskii, Yu.S., Tamarin, A.I. Laws governing gas-bubble motion in a fluidized bed 9—72941
Teplitz, D.C. *see* Broderick, J.J. 9—53717
Teplitz, V.L. *see* Arndt, R.A. 9—93456
Teplitz, V.L. *see* Broderick, J.J. 9—53717
Teplitz, V.L. *see* Dicus, D.A. 9—49501
Teplouchov, S.G. *see* Dubinin, S.F. 9—94964
Teplov, M.A. *see* Abdulsabirov, R.Yu. 9—61243
Teplov, M.A. *see* Antipin, A.A. 9—95643
Teply, J., Vocilka, J. Bremsstrahlung produced by the linear accelerator of electrons with the energy 4 MeV 9—76181
Teplyakov, D.I., Aparisi, R.R. Solar radiation concentrator for uniform irradiation of flat energy receivers and converters [in solar power plants] 9—83559
Tepore, A. *see* De Blasi, C. 9—65793, 9—76278
Teposu, I. *see* Popp, S. 9—77256
Ter Haar, D., Wergeland, H. How far can radiation from atoms be represented by classical models? 9—59399
Ter Haar, D. *see* Carvalho, J.C. 9—53677, 9—53678, 9—53679
ter Haar, D. *see* Giaretta, D.L. 9—53880
ter Haar, D. *see* Prentice, A.J.R. 9—84736
Ter Haar, G., Wyard, S.J. Blood cell banding in ultrasonic standing wave fields: a physical analysis 9—62291
ter Meulen, J.J. OH spectroscopy with frequency-doubled dye laser radiation 9—50039
ter Meulen, J.J., van Mierlo, G.W.M., Dymanus, A. Determination of the hyperfine structure in the $A^2\Sigma_{1/2}^+$ state of OH by frequency-doubled dye-laser radiation 9—72333
ter Minassian, L. *see* Fuchs, A.H. 9—77777
Ter-Akopian, G.M. *see* Flerov, G.N. 9—96781
Ter-Antonyan, S.V. *see* Asatiani, T.L. 9—68132
Ter-Antonyan, V.M. *see* Pogosyan, G.S. 9—49073
Ter-Arkopyan, G.M. *see* Orlova, O.A. 9—97740
Ter-Martirosyan, L.T. *see* Prudan, A.M. 9—99829
Ter-Minassian-Saraga, L. *see* Proust, J.E. 9—99401
Ter-Nersesyants, V.E. *see* Medvedev, A.I. 9—75906, 9—75908
Terada, H., Ikeda, T. Photogrammetric application of moire fringes produced with a parallel beam of light 9—100701
Terada, K., Muta, H. A new method to determine effective MOSFET channel length 9—69601
Terai, R., Eguchi, K., Yamanaka, H., Wakabayashi, H., Hara, S. Characterization of borosilicate glasses containing simulated high-level radioactive wastes 9—93745
Terajima, H., Nakajima, M., Itoh, T. A new algorithm for γ-ray tomographic imaging using a scintillation camera 9—57773
Terakado, R. Current density on the electrodes of two-dimensional compound regions with mirror antisymmetry 9—89842
Terakado, R. *see* Kusase, S. 9—55022
Terakawa, T. Plasma display 9—68961
Terakura, K. *see* Riley, J.D. 9—95315
Terama-e, H. *see* Yamabe, T. 9—56123
Teramoto, I., Kazumura, M., Yamanaka, H. Variation of liquid and solid compositions during LPE growth from a ternary component solution 9—99445
Teramoto, I., Takagi, H., Kano, G. Vapor phase equilibria of arsenic-trioxide over gallium arsenide 9—66181
Teramoto, I. *see* Kazumura, M. 9—95479
Teramoto, I. *see* Sugino, T. 9—50310, 9—98357
Teramoto, K., Takano, M. Crack growth rate in stress corrosion cracking of type 304 stainless steel in boiling 42% $MgCl_2$ in the SERT method 9—100290
Teramoto, K. *see* Hashimoto, K. 9—74285
Teranaka, M. *see* Kichimi, H. 9—89207
Teranaka, M. *see* Sugahara, R. 9—93454
Teranishi, H. *see* Hamanoue, K. 9—79272
Terao, K., Sawada, R. Stochastic phenomena in detonation waves 9—77180
Terao, K., Sawada, R. Stochastic aspect of the transition from combustion to detonation 9—100381
Terao, N., Sasmal, B. New type of $M_{23}C_6$ carbide precipitation in an austenitic stainless steel containing niobium 9—52216
Terao, T., Matsui, S., Saika, A. NMR study of molecular motion of methanol in β-quinol clathrate 9—87332
Teraoka, J. *see* Kitagawa, T. 9—69820
Teraoka, Y. *see* Kanamori, J. 9—56490
Terasaki, K. Hadronic decays of Ψ and one photon intermediate state 9—54337
Terasaki, K., Okada, M., Matsuura, K., Kawashimo, K., Maeda, Y., Mineya, K. Heat generation and thermal conduction in rubber with cyclic compression 9—52283
Terasaki, O., Watanabe, D. Long-period superstructures of the Au-rich Au-Mg alloys 9—94959
Terasawa, T. *see* Nishida, A. 9—58201
Terashima, H., Fujiwara, S. Thermal accommodation of a lead beam impinging on mica and silicon monoxide substrates in the vacuum deposition process 9—77960
Terashima, K. *see* Yano, S. 9—91350
Terashita, Y. *see* Haba, Y. 9—58091
Terashita, Y. *see* Kusaka, T. 9—88517
Terauchi, H. Diffuse X-ray scattering near smectic C-nematic phase transition temperature 9—95139
Terauchi, H., Cohen, J.B. Short-range ordering of vacancies in TiO at 1323K 9—73163
Terauchi, H., Kohigashi, T., Maruyama, N. X-ray study of ferroelectric liquid crystal 9—77515
Terauchi, Y. *see* Yokoyama, A. 9—53228
Terazaki, A. *see* Shimizu, Y. 9—98540
Terazawa, H. Quark physics in inelastic virtual Compton scattering 9—89164
Terazawa, H., Chikashige, Y., Akama, K. Temporary freedom and asymptotic catastrophe of lepton and quark interactions 9—85253
Terebizh, V.Yu. *see* Dibai, E.A. 9—62913
Teregulov, I.G., Sibgatullin, E.S. On the limit state of a toroidal shell of revolution under axisymmetric deformation 9—94498
Terek, A. *see* Aleksandrov, E. 9—93166
Terekhov, A.S. *see* Al'perovich, V.L. 9—69857
Terekhov, A.S. *see* Gaisler, V.A. 9—65556
Terekhov, A.S. *see* Kravchenko, A.F. 9—82670
Terekhov, G.I., Tagirova, R.Kh., Ivanov, O.S. Thermo-EMF of γ-solid solutions of U-Ti and U-Re 9—73496
Terekhov, V.A. *see* Domashevskaya, E.P. 9—64044, 9—65380, 9—87008, 9—99984
Terekhov, V.I. *see* Volchkov, E.P. 9—77102
Terekhov, V.P. *see* Krichevskii, E.S. 9—75537
Terekhov, Yu.V. *see* Burgov, N.A. 9—97710
Terekhova, S.F. *see* Lisitsa, M.P. 9—73947
Terekhova, V.M. *see* Nikolskaya, L.V. 9—70794
Terekhovich, T.F. *see* Stafeev, V.I. 9—51662, 9—51664
Terenetskaya, I.P. *see* Krivenko, T.A. 9—51956
Terent'ev, A.G. Oblique entry of a slender body in an incompressible fluid 9—64625
Terent'ev, E.D. On the nonstationary boundary layer with self-induced pressure near a vibrating wall in a supersonic flow 9—86459
Terent'ev, E.D. *see* Galakhov, M.A. 9—94526
Terent'ev, V.F., Terent'eva, Yu.Kh., Filyushov, D.I. Photometric method for determining concentrations of solution components 9—79350
Terent'ev, V.F. *see* Ivanova, V.S. 9—91795
Terent'ev, V.F. *see* Kobzev, V.A. 9—52369
Terent'eV, V.F. *see* Kogan, I.S. 9—87729
Terent'ev, Yu.N. *see* Ermakov, A.L. 9—64645
Terent'eva, V.S., Zhorov, G.A. Radiating power of plasma coatings of the Si-Ti-Cr system on a niobium substrate 9—60529
Terent'eva, Yu.Kh. *see* Terent'ev, V.F. 9—79350
Teresa, M.Del Carmon De *see* Del Carmon De Teresa, M.
Tereshin, V.D. *see* Bazarov, B.A. 9—62002
Tereshin, V.G. *see* Il'chaninov, V.P. 9—97364
Tereshina, L.P. *see* Vinogradov, G.E. 9—50405
Tereshina, L.S., Malkova, E.M. Determining the general oxidizability of water by means of a titrometric liquid analyzer 9—79441
Tereshonok, V.A. *see* Gordienko, V.A. 9—56599
Terez, E.I. Checking the reflection coefficient of astronomical mirrors against 'controls' 9—75106
Terez, E.I. On possible variations in atmospheric extinction 9—96825
Terez, E.I. A highly accurate method of absolute calibration of photoelectric apparatus in a wide spectral region 9—96919
Tergoev, V.I. *see* Dorman, L.I. 9—84606
Terichev, V.F. *see* Bessonov, A.F. 9—50443
Terichev, V.F. *see* Gudzenko, A.I. 9—98494
Terina, G.I. *see* Belikovich, V.V. 9—75074, 9—84585
Terkbunov, A.G. Investigation of the structure of composite metal-polymer coatings based on electrolytic iron 9—83170
Terkildsen, K. *see* Thomsen, J. 9—92235
Terlecki, G., Hahn, D., Scheid, W., Koennecke, R., Greiner, W. Molecular states in heavy ion potentials 9—97730
Terlecki, G. *see* Hahn, D. 9—89256
Terlemezyan, L. *see* Mikhailov, M. 9—66291
Terlevich, R.J., Pringle, J.E. SS433—a massive black hole? 9—53831
Terminasov, Yu.S., Gromakovskii, D.G., Romanchev, B.A. Mechanism of wear of cast iron friction couples 9—83329
Terminasov, Yu.S. *see* Zhukov, S.V. 9—52282
Termonia, Y. A stochastic theory of non-ideal behaviour. II. Partially miscible ternary systems 9—82303
Termonia, Y. *see* Alexandrowicz, Z. 9—82302
Termote, J.L. *see* Coenen, Y. 9—66552
Terner, J., Chung-Lu Hsieh, El-Sayed, M.A. Time-resolved resonance Raman characterization of the bL_{550} intermediate and the two dark-adapted bR_{560}^{DA} forms of bacteriorhodopsin 9—83705
Terner, U.K., Wong, H., Noujaim, A.A., Lentle, B.C., Hill, J.R. ^{67}Ga and ^{59}Fe uptake in human melanoma cells 9—62217

Terney, W.B., Bandera, R.P., Ober, T.G. Qualification of C-E's 3-D spatial neutronics codes for PWR analyses 9—89360
Terney, W.B. *see* Ober, T.G. 9—81034
Terney, W.B. *see* Williamson, E.A., Jr. 9—85594
Ternopol, A.M. *see* Sukhomlin, E.A. 9—55603
Terol, S. A synoptic picture of some parameters of simple metal oxides 9—73152
Terpigor'yev, V.S. *see* Belov, I.A. 9—98774
Terpugov, Ye.L. *see* Kryukov, P.G. 9—57581
Terrado, E.N. A national programme for solar energy development in the Philippines 9—57376
Terrasi, F., Brondi, A., Cuzzocrea, P., Moro, R., Romano, M. Proton resonant and direct capture on ^{28}Si 9—80912
Terreault, B. Letter to the editor [on random coalescence of helium vacancies in a lattice] 9—51168
Terreault, B. *see* St-Jacques, R.G. 9—60412
Terrell, D.R. *see* Killat, U. 9—72530
Terrett, D.L. *see* Canto, J. 9—67081
Terrien, Y. *see* Alkhazov, G.D. 9—75883
Terrien, Y. *see* Bauer, T.S. 9—54394
Terrier, C. *see* Lockwood, D.J. 9—99871
Terrier, M. *see* Vervisch, P. 9—68902
Terrile, R.J. *see* Carr, M.H. 9—92697
Terrile, R.J. *see* Ingersoll, A.P. 9—92711
Terrile, R.J. *see* Mitchell, J.L. 9—92712
Terrile, R.J. *see* Strom, R.G. 9—92698
Terry, G.H., Hausman, H.J., Tsoupas, N. Angular correlation measurements over the intermediate structure in ^{71}As 9—67729
Terry, J.L. *see* Moos, H.W. 9—64904
Terry, P.B. *see* Inners, C.R. 9—88106
Terskov, A.Kh. *see* Zavolzhenskii, M.V. 9—77123
Terukov, E.I. *see* Averkin, A.A. 9—73438
Terukov, E.I. *see* Suvorov, A.V. 9—90963
Terukov, E.I. *see* Volotskoi, M.P. 9—87132
Terukov, E.I. *see* Zakharchenya, B.P. 9—68414, 9—71531
Terunuma, Y. *see* Chida, K. 9—55255, 9—59852
Terunuma, Y. *see* Miya, T. 9—90018
Terwilliger, K.M. Spin measurments in hadronic high momentum transfer scattering 9—63498
Terwilliger, K.M. *see* Crabb, D.G. 9—72055
Terwilliger, K.M. *see* Ratner, L.G. 9—67608
Terzi, N. *see* Mulazzi, E. 9—69830
Terzian, Y. *see* Pankonin, V. 9—71139
Terzic, I., Ciric, D., Perovic, B. Scattering of low energy Na^+ ions from a clean polycrystalline Ag surface 9—87554
Terzieff, P., Lee, K. Electron spectroscopy studies on amorphous GdFe and GdCo alloys 9—87295
Terzieff, P., Lee, K., Heiman, N. XPS and Mossbauer studies of amorphous FeGe 9—56577
Terzijsky, K.I. *see* Popov, D.N. 9—78716
Tescari, M. *see* Cattania, M.G. 9—60636
Tesch, K. Data for simple estimates of shielding against neutrons at electron accelerators 9—54609
Tesche, T.W., Bergstrom, R.W. Use of digital terrain data in meteorological and air quality modeling 9—84440
Teschke, O. Orientational relaxation studies of excited-state stilbene with sub-picosecond pulses 9—50006
Teschler, L. Storing data with holograms 9—89860
Tesi, G. *see* Ravishankara, A.R. 9—52719
Teske, K. *see* Fuge, R. 9—97787
Teske, R.G., Elste, G.H. Dependence of the correlation of small scale photospheric structures upon resolution 9—84769
Teslenko, S.I. *see* Suleimanov, Yu.M. 9—74002
Teslenko, V.I. *see* Petrov, E.G. 9—70542, 9—92989
Tessari, G. *see* Barbarito, E. 9—86076
Tessarotto, M. *see* Clemente, R. 9—93080
Tesser, H. *see* Rosen, B. 9—50855
Tessier, M. *see* Krishnan, R. 9—95607
Tessner, P.D. *see* Hull, D.L. 9—62991
Testa, F.J. *see* Koopman, R.N. 9—49764
Testa, P.L. *see* Wanke, E. 9—62221
Testardi, L.R. *see* Farrow, R.C. 9—55811
Testardi, L.R. *see* McKnight, S.W. 9—87445
Testardi, L.R. *see* Schutz, R.J. 9—77836
Testardi, L.R. *see* Staudenmann, J.-L. 9—73284
Teste Du Bailler, A., Vedrinne, J.F. French experience in operating pressurized water reactor power stations: ten years' operation of the Ardennes power station 9—89454
Tester, J.W. *see* Sibbitt, W.L. 9—70790
Testov, V.G., Grin', Yu.I., Mishin, G.I., Petrov, R.L., Menenkov, V.D. Increased lifetime of the active medium of a pulsed N_2O gasdynamic laser 9—68388
Tetelbaum, D.I. *see* Morozov, N.P. 9—51126
Tetenbaum, M., Ackermann, R.J. High-temperature vaporization behaviour of the ThO_{2-x} phase 9—54508
Tetenbaum, M. *see* Johnson, C.E. 9—54509
Tetenbaum, S.J., Weiss, J.A. Microwave breakdown of water vapor 9—72983
Teterevyatnikov, L.N. Equipment for measuring the flow rate and quantity of a gas condensate 9—68834
Teterin, P.K., Skornyakov, A.N., Streletskii, V.V. Stressed state in axial zone during forging of circular blank 9—52231
Teteris, Ya.A., Ekmanis, Yu.A. Kinetics of photo-induced processes in amorphous As-Se films 9—69896
Teters, G.A. *see* Kregers, A.F. 9—61669
Teters, G.A. *see* Lukoshevichyus, R.S. 9—86352
Tetervov, A.P. *see* Bass, F.G. 9—75361
Tetervov, A.P. *see* Zorchenko, V.V. 9—69521
Teterycz, H. *see* Barycka, I. 9—70189
Tettamanti, E. *see* Indovina, P.L. 9—66361
Tetu, M. *see* Vanier, J. 9—54108, 9—98029
Tetu, P. *see* Boltezar, E. 9—67972
Tetushkin, V.M. *see* Smelyanskii, R.M. 9—52594
Tetzlaff, G. *see* Eggers, K.A. 9—66716
Teubner, P.J.O. *see* Buckman, S.J. 9—59584, 9—98225
Teubner, W. *see* Fromm, B. 9—95513
Teuchert, E., Ruetten, H.J., Schulten, R. Closed thorium cycles in the pebble bed HTR 9—85643
Teuchert, E., Rutten, H.J., Werner, H., Haas, K.A., Schulten, R. Closed thorium cycles in the pebble bed HTR 9—63799
Teuchert, W.D. *see* Christensen, A.N. 9—86858, 9—99284
Teuchert, W.D. *see* Magerl, A. 9—60453
Teupser, Ch. *see* Unterreitmeier, E. 9—84503
Tevault, D.E., Walker, N., Smardzewski, R.R., Fox, W.B. Infrared spectra of the BrO and OBrO free radicals and of BrOBr and BrBrO molecules in solid argon at 10K 9—89669
Tevelenkov, V.A. *see* Parkhomenko, V.D. 9—82053
Tevzadze, T.N. *see* Bandzeladze, A.E. 9—70279
Tewari, D.P., Sharma, R.R. Short-time-scale self-focusing of electromagnetic beams in a magnetoplasma 9—55512
Tewari, D.P., Sharma, R.R. Nonlinear propagation of laser radiation in an inhomogeneous plasma 9—77389
Tewari, D.P. *see* Sodha, M.S. 9—60149
Tewari, D.P. *see* Sodha Govind, M.S. 9—55511
Tewari, P.H., Campbell, A.B. Dissolution of iron during the initial corrosion of carbon steel in aqueous H_2S solutions 9—79145
Tewari, S.K. An evaluation of the strategy of low cost horizontal axis windmills 9—70421
Tewari, S.K. *see* Srinath, L.S. 9—70416
Tewari, S.P., Tewari, S.P. Dispersive bistability of a homogeneously broadened medium 9—50355
Tewari, S.P. *see* Biswas, B. 9—55458
Tewari, S.P. *see* Tewari, S.P. 9—50355
Tewari, U.S. *see* Vasudevan, P. 9—91379
Tewary, V.K. *see* Agarwala, A. 9—62000
Tewary, V.K. *see* Patel, J.S. 9—62085
Tewordt, L., Schopohl, N. Effect of order-parameter collective modes on NMR and ultrasound attenuation in ^3He-A 9—51344
Tews, H., Venghaus, H. Selective pair luminescence in semiconductors 9—61439
Tews, H., Venghaus, H., Dean, P.J. Excited states of shallow acceptors in ZnSe 9—78750
Texereau, J. On the design of transit circles 9—62744
Texier, P. *see* Debarvat, S. 9—70982
Textor, W. A theorem on maximum variance 9—71269
Teyssandier, P. *see* Linet, B. 9—85041
Tezikov, V.V. *see* Osherovich, A.L. 9—54813
Tezlevan, V.E. *see* Merkulov, A.I. 9—87102
Tezlevan, V.E. *see* Nikiforov, K.G. 9—69730
Tezlevan, V.E. *see* Tsurkan, V.V. 9—69672
Tfibel, F. *see* Alpert, B. 9—79453
Tha Paw U Kyaw *see* Kyaw Tha Paw U
Thach, B.T. *see* Brouillette, R.T. 9—100656
Thacker, H.B., Wilkinson, D. Inverse scattering transform as an operator method in quantum field theory 9—85229
Thacker, H.B. *see* Bergknoff, H. 9—85230
Thackston, M.G., Eisele, F.L., Pope, W.M., Ellis, H.W., Gatland, I.R., McDaniel, E.W. Mobility of Cl^- ions in Ne, Ar, and Kr 9—68896
Thackston, M.G. *see* Eisele, F.L. 9—86552
Thaete, L.G. Lead and uranium stain artefacts in electron microscopy: a technique for minimizing their occurrence 9—84040
Thajuddin, M., Sarma, K.S. Torsional vibrations of finite hollow poroelastic circular cylinders 9—64557
Thakar, J.L. *see* Soni, R.S. 9—99946
Thakker, D.M. *see* Hedge, A.G. 9—79663
Thakoor, A.P. *see* Banerjee, A. 9—79397
Thakur, A.K. *see* Thakur, L. 9—98248
Thakur, D.S., Grange, P., Delmon, B. A comparison of some catalytic, structural and textural properties of unsupported MoS_2 and WS_2 hydro-desulfurization catalysts promoted by group VIII metals 9—79289
Thakur, D.S. *see* Delannay, F. 9—52762
Thakur, J., Srivastava, P.L., Mitra, N.R. Harrison's method. Electrical transport properties of alkali metals 9—78066
Thakur, K.P., Jha, L.K. Some properties of water at high pressures 9—94474
Thakur, K.P., Jha, L.K., Singh, R.N. Hyperpolarizability and dissociation energy of alkali halide molecules 9—72439
Thakur, K.P. *see* Kumari Jha, D. 9—51045
Thakur, K.P. *see* Thakur, L. 9—65024
Thakur, L., Ahmad, M.F., Prasad, R. Heats of solution of uranium metal and uranium tetrachloride and of neptunium iodide in aqueous hydrochloric acid 9—83495
Thakur, L., Sinha, A.K., Thakur, K.P. Modified Born-Mayer equation for lattice energy calculation of ionic crystals 9—65024
Thakur, L., Thakur, A.K. Ionization potentials of uranium, neptunium and plutonium 9—98248
Thakur, M.L., Sah, M.P. Validity of Ryssel-berghe's contention in thermoelectric phenomena 9—51555
Thakur, R.K., Sapre, A.K. Quasi-stellar objects and evolution of galaxies 9—97095
Thaler, B. *see* Schuller, I. 9—95515
Thaler, B.J., Fletcher, R. The magnetothermopower of single crystal indium 9—69496
Thaler, B.J. *see* Bass, J. 9—65452
Thaler, J.J. *see* Anderson, K.J. 9—67612
Thaler, J.J. *see* Branson, J.G. 9—89211
Thaler, J.J. *see* Hogan, G.E. 9—63552
Thaler, J.J. *see* Newman, C.B. 9—63553
Thaler, R.M. *see* Kowalski, K.L. 9—67778
Thaler, S. *see* Petrucelli, S. 9—92321
Thalheimer, W. *see* Marx, D. 9—76241
Tham, C. Energy policy up to the year 1990 9—87982
Thambiratnam, D.P. *see* Cohen, H. 9—50633
Thambyahpillai, T. *see* Davies, S.T. 9—80116
Thamming, R. *see* Loncarevic, F. 9—66506
Thampuran, M.K.V.V., Viswanathan, T.L., Sharan, R. Sensitivity calculations for the design of solar cells. I. Schottky barrier devices 9—62004
Thanailakis, A. *see* Mottram, J.D. 9—56309
Thang, N.T., Davis, M.R. The structure of bubbly flow through venturis 9—64749
Thang Nguyen Toan *see* Nguyen Toan Thang
Thangaraj, R. *see* Agnihotri, O.P. 9—60917
Thanh, L.C. Back corona. I. Its formation 9—50908
Thanh, L.C. Back corona. II. Its effects on sparkover voltage 9—50909
Thanh, N.C. *see* Burov, J.I. 9—94435
Thanh, N.C. *see* Lohani, B.N. 9—57507
Thanh Le Chi *see* Le Chi Thanh
Thanh My Lam *see* Lam Thanh My
Thansandote, A. *see* Stuchly, S.S. 9—96647
Thanvi, K.P. *see* Garg, H.P. 9—57454, 9—66402
Thapliyal, H.V., Unerti, W.N. Diffraction features in secondary electron emission 9—83068
Thatcher, F.C. *see* Meiere, F.T. 9—93182
Thatcher, G. Recent developments in LMFBR coolant flow measurement techniques 9—68858
Thatcher, W. Systematic inversion of geodetic data in central California 9—84076
Thatcher, W. Horizontal crustal deformation from historic geodetic measurements in southern California 9—84197
Thatcher Borden, W. *see* Volland, W.V. 9—93936
Thau, R.Tal *see* Tal Thau, R.
Thau-Alexandrowicz, G. Double-tagged self-diffusion and structural properties of water in membranes and ionic solutions 9—52765
Thayer, D.L. *see* Tossman, B.E. 9—74971
Thayer, R.E., Hermance, J.F. Cross-correlation estimates of telluric and magnetotelluric parameters 9—92484
The Giam Hoang *see* Hoang The Giam
The Isolde Collaboration *see* Ewan, G.T. 9—71820
Theberge, J., Cloud, P. Performance of thermoplastic composites at elevated temperatures 9—95067
Thebing, U., Menges, G. Determination of the mechanical behaviour of anisotropically reinforced UP-resin laminates under dynamic stress 9—83268
Theeten, J.B., Aspnes, D.E. The determination of interface layers by spectroscopic ellipsometry 9—95275
Theeten, J.B., Chang, R.P.H., Adams, T.E. In situ analysis of plasma-grown oxides using a spectroscopic ellipsometer 9—79138
Theeten, J.B., Hottier, F. In situ surface analysis of the vapor phase epitaxy of GaAs 9—95937
Theeten, J.B. *see* Aspnes, D.E. 9—95862, 9—99908
Thegner, G. *see* Josue, M. 9—76107
Thein, A. *see* Kitagawa, Y. 9—98943
Thein, A. *see* Yamada, Y. 9—82101
Theis, J., Reinhardt, J., Muller, B. How good is the adiabatic basis in heavy ion collisions? 9—89759
Theis, P. *see* Drath, P. 9—97339
Theis, R. *see* Samir, U. 9—53647
Theis, R.F. *see* Spencer, N.W. 9—84555
Theis, W.M., Gavenda, J.D. Role of the deformation potential in ultrasonic attenuation by open-orbit electrons in copper 9—73428
Theis, W.M. *see* Yeo, Y.K. 9—99542
Theis, W.R. A simple classical derivation of spin-orbit couplings 9—53971
Theisen, L.V. *see* Clements, J.S. 9—89223
Theiss, A.J. *see* DeNeef, C.P. 9—55562, 9—77419
Thek-De, I., Podavalova, O.P., Popov, A.K., Ran'shikov, V.P. Direct observation of resonant four-photon parametric mixing conditioned by the difference of atomic multipole relaxation rates 9—89959

Thelen, D. *see* Delhalle, J. 9—59608
Thelen, H.J. *see* Kunstle, K. 9—87944
Themel, K.G. Models of universal angiographic set-ups in a general hospital with a facility for vascular surgery 9—92336
Theobald, F. *see* Tachez, M. 9—73138
Theobald, J.G. *see* Chardon, J.C. 9—49299, 9—81247
Theobald, J.-G. *see* Gire, A. 9—58669
Theobald, J.-G. *see* Labrune, J.-C. 9—76487
Theobald, J.P. *see* Wastyn, P. 9—59084
Theocaris, P.S. Experimental study of plane elastic contact problems by the pseudocaustics method 9—77034
Theocaris, P.S., Gdoutos, E.E. Matrix theory of photoelasticity 9—64612
Theocaris, P.S., Ioakimidis, N.I. On the determination of stress-optical constants by the method of reflected caustics 9—51931
Theocaris, P.S., Ioakimidis, N.I. The V-notched elastic half-plane problem 9—68571
Theocaris, P.S., Ioakimidis, N.I. A remark on the numerical solution of singular integral equations and the determination of stress-intensity factors 9—72858
Theocaris, P.S., Ioakimidis, N.I. Application of the method of caustics to the determination of the ratio of Poisson's ratio to the modulus of elasticity 9—82273
Theocaris, P.S., Razem, C.I. Intensity, slope and curvature discontinuities in loading distributions at the contact of two plane bodies 9—86386
Theocaris, P.S., Stassinakis, C.A. The elastic contact of two disks by the method of caustics 9—59948
Theocaris, P.S. *see* Andrianopoulos, N.P. 9—64606
Theocaris, P.S. *see* Ioakimidis, N.I. 9—72851, 9—81806, 9—81813
Theocaris, P.S. *see* Panayotounakos, D.E. 9—98620
Theocaris, P.S. *see* Paolinelis, S.G. 9—81729
Theocaris, P.S. *see* Tsamasphyros, G. 9—97204
Theocaris, P.S. *see* Tsamasphyros, G.J. 9—80442
Theodorakopoulos, N. Dynamics of non-linear systems: The kink-phonon interaction 9—73262
Theodorakopoulos, N. On the statistical mechanics of a discrete ϕ^4 chain 9—75463
Theodorakopoulos, N., Hanna, S., Klein, R. Behavior of a ϕ^4-kink in the presence of an inhomogeneous perturbation 9—75692
Theodoridis, G.C. *see* Nowack, W.J. 9—83759
Theodorou, D.E., Quiesser, H.J. Carrier scattering by impurity potentials with spatially variable dielectric functions 9—69507
Theodorou, D.E. *see* Queisser, H.J. 9—87130
Theodorou, G. Lattice distortions in tetrathiofulvalinium bromide [(TTF)$Br_{0.74-0.79}$] 9—55733
Theodorou, G., Cohen, M.H. Dilute random magnets in one dimension 9—69682
Theodosiou, C.E., Armstrong, L., Jr., Crance, M., Feneuille, S. Short-time behavior in multiphoton ionization 9—59418
Theodosopulu, M., Grecos, A.P. Linear transport equations for classical fluids 9—77054
Theofanous, T.G. *see* Patel, P.D. 9—49753
Theoff, B.Le *see* Le Theoff, B.
Theoharides, A.D. *see* Nelson, D.J. 9—96516
Theolier, M. *see* Fougeres, R. 9—77675
Theophilus, G.D. *see* Malik, N.H. 9—68965
Therez, F. *see* Ayman Shibib, M. 9—96444
Therminarias, A., Chirpaz, M.F., Lucas, A., Tanche, M. Catecholamines in dogs during cold adaptation by repeated immersions 9—100575
Therry, G. *see* Andre, J.C. 9—58024
Thery, J.F. *see* Fleuret, J. 9—86130
Theumann, A. Bond percolation problem in a semi-infinite medium. Landau-Ginzburg theory 9—93068
Theus, R.B. *see* Rank, E.X. 9—49867
Theus, R.B. *see* Todd, P. 9—62307
Theveneau, H. *see* Bulou, A. 9—82885
Thevenin, J.C. *see* Allemand, L. 9—81126
Thevenin, M. *see* Vial, B. 9—97780
Thevzadze, Yu.V. *see* Abesalashvili, L.N. 9—80856
Theye, M.I. *see* Nguyen Van, V. 9—78779
Theye, M.L. *see* Beaglehole, D. 9—95723
Theyer, F. *see* Hammond, S.R. 9—88243
Theysohn, G. *see* Jodl, H.J. 9—91472
Theysohn, R. *see* Ramsteiner, F. 9—91734
Thiagarajan, C. *see* Yu, C.P. 9—66480
Thiagarajan, V., Yu, C.P. Sedimentation from aerosol flows in finite tubes in random orientation 9—50778
Thibaud, J.P. *see* Foin, C. 9—85354
Thibault, C. *see* Epherre, M. 9—54383
Thibault, L.E., Kusnetz, R., Winslow, R.M., Berger, R.L. An instrument to determine the hemoglobin-oxygen equilibrium curve based on an analytical model for the transport of oxygen across a semi-permeable membrane 9—92418
Thibeau, M. *see* Berrue, J. 9—50844
Thibeau, M. *see* le Duff, Y. 9—98174
Thibos, L.N., Levick, W.R., Cohn, T.E. Receiver operating characteristic curves for Poisson signals 9—83778
Thie, J.A. Core motion monitoring 9—81025
Thiebaut, P., Ardonceau, P., Leblanc, R., Goethals, R. First measurements in highly separated transonic flow 9—77166
Thieberger, P. *see* Kreiner, A.J. 9—54375
Thieberger, P. *see* Mariscotti, M.A.J. 9—54380
Thiede, M. *see* Buhmann, D. 9—83027
Thiel, F.A. *see* Bachmann, K.J. 9—73411
Thiel, F.A. *see* Leu, Y.-T. 9—100047
Thiel, F.A. *see* Tell, B. 9—99574
Thiel, J., Suchy, K. Transfer collision frequencies for inelastic collision 9—71357
Thiel, P.A., Weinberg, W.H., Yates, J.T., Jr. A determination of adsite symmetry on surface via electron energy loss spectroscopy: Coadsorption of CO and NO on Ru(001) 9—99412
Thiel, P.A., Williams, E.D., Yates, J.T., Jr., Weinberg, W.H. The chemisorption of CO on Rh (111) 9—77917
Thiel, P.A., Yates, J.T., Jr., Weinberg, W.H. The interaction of oxygen with the Rh (111) surface 9—51428
Thiel, P.A., Yates, J.T., Jr., Weinberg, W.H. Adsorption of oxygen on Rh (111) 9—77900
Thiel, P.A. *see* Yates, J.T., Jr. 9—52773, 9—83503, 9—86989
Thiel, R. *see* Hecht, A. 9—91878
Thiele, B.A., Stinton, D.P., Lackey, W.J. Properties of pyrocarbon coatings influence gas permeability of high-temperature gas-cooled reactor fuel particles 9—54511
Thiele, N. *see* Ertl, G. 9—70370
Thielemann, F.-K., Hillebrandt, W., Arnould, M. Meteoritic anomalies and explosive neutron processing of helium-burning shells 9—58302
Thielheim, K.O. *see* Frahm, R. 9—84828
Thielheim, K.O. *see* Schiffer, R. 9—76591
Thielke, J.F., Pilat, M.J. Plume opacity related to particle mass concentration and size distribution 9—74566
Thielmann, U. *see* Dowek, D. 9—86037
Thieman, J.R., Smith, A.G. Detailed geometrical modeling of Jupiter's Io-related decametric radiation 9—101112
Thieman, J.R. *see* Goldstein, M.L. 9—53755
Thieman, J.R. *see* Kaiser, M.L. 9—84732
Thieme, F. *see* Benndorf, C. 9—90879
Thieme, R. *see* Chestnut, R. 9—89533
Thieme, W.H. *see* Fill, E.E. 9—50316
Thiemer, K. *see* Kaden, St. 9—53377
Thien-si Wang *see* Wu-yan Lai 9—73730
Thienel, P. *see* Potente, H. 9—81833
Thierbach, H., Barth, W. The automatic hydrostatic system ELWAAG 9—88511
Thierry, A. *see* Millaud, B. 9—77507
Thies, M. *see* Hufner, J. 9—89330
Thies, R.L. *see* Fischer, L.J. 9—74450
Thiess, P.E. *see* Arras, J.M. 9—85828
Thiessen, H.A. *see* Amann, J.F. 9—89530
Thiessen, H.A. *see* Anderson, R.E. 9—85502
Thiessen, H.A. *see* Blanpied, G.S. 9—85518
Thiessen, H.A. *see* Boudrie, R.L. 9—85540, 9—89563
Thiessen, H.A. *see* Boyer, K.G. 9—85539
Thiessen, H.A. *see* Braid, T.H. 9—60414
Thiessen, H.A. *see* Davis, J. 9—93662
Thiessen, H.A. *see* Geesaman, D.F. 9—85541
Thiessen, H.A. *see* Kalne, J. 9—85521
Thiessen, H.A. *see* Morris, C.L. 9—93505
Thiessen, H.A. *see* Olmer, C. 9—93667
Thiessen, H.A. *see* Ray, L. 9—63669
Thiessen, V.G. *see* Antonov, V.E. 9—65674
Thijsse, Th.R. Gas chromatographic measurement of nitrous oxide and carbon dioxide in air using electron capture detection 9—57549
Thim, H.W. *see* Deutsch, G. 9—59731
Thim, H.W. *see* Lechner, A. 9—54186
Thinh, N.Van *see* Van Thinh, N.
Thinh Nguyen-Tat *see* Gust, W. 9—87643
Thio Yong-Chia *see* Yong-Chia Thio
Thiriet, Y., Martinoty, P. Ultrasonic study of the nematic-isotropic phase transition in PAA 9—90761
Thirlwall, J.T. *see* Metcalfe, B. 9—74168
Thirring, W. Exact results for the scattering of three charged particles 9—81309
Thirring, W. *see* Breitenecker, M. 9—49109
Thirtha, D.Govinda *see* Govinda Thirtha, D.
Thiruvengadam, A.P. Mechanisms of formation of spheroids produced by cavitation erosion 9—52382
Thiruvergadathan, A., Rao, C.V.V.S., Iyer, S.S. Typical configurations of monsoon trough at 850 mb and associated rainfall patterns 9—96795
Thiry, P., Chandesris, D., Lecante, J., Guillot, C., Pinchaux, R., Petroff, Y. E vs k and inverse lifetime of Cu (110) 9—74056
Thistlethwaite, P.J., Woolfe, G.J. Kinetic evidence for excited state proton transfer in salicylamide 9—59502
Thoai, D.B.T. *see* Dorre, P. 9—67224
Thoburn, R. *see* Robinson, C. 9—76102
Thode, H.G. *see* Monster, J. 9—92537
Thode, L.E., Godfrey, B.B., Shanahan, W.R. Vacuum propagation of solid relativistic electron beams 9—59625
Thodos, G. *see* Hsiung, T.H. 9—86505
Thoe, R.S. *see* Button, T.M. 9—49975
Thole, B.T. *see* Huizinga, S. 9—82803
Tholence, J.L., Holtzberg, F., Godfrin, H., Lohneysen, H.V., Tournier, R. Blocking of pairs and 'spin glass freezing' in $Eu_xSr_{1-x}S$ 9—61174
Tholence, J.L. *see* Benoit, A. 9—61171
Tholence, J.L. *see* Genicon, J.L. 9—61069
Tholence, J.L. *see* Holtzberg, F. 9—78386
Tholence, J.L. *see* Lohneysen, H.V. 9—61172, 9—87276
Thom, A., Thom, A.S. Another lunar site in Kintyre 9—96929
Thom, A.S. *see* Thom, A. 9—96929
Thom, B.G., Chappell, J. Holocenesea level change: an interpretation [Great Barrier Reef] 9—84295
Thom, B.G., Orme, G.R., Polach, H.A. Drilling investigation of Bewick and Stapleton islands 9—84223
Thom, B.G. *see* Polach, H.A. 9—84225
Thom, D. *see* Barrett, T.R. 9—71932
Thoma, H., Benzer, H., Holle, J., Moritz, E., Pauser, G. Method and clinical using of functional electrostimulation 9—83877
Thoma, H.-J. *see* Lindner, H.A. 9—70101
Thoma, P. *see* Rehringer, K. 9—94311
Thomann, T.G. *see* Feldstein, N. 9—88910
Thomas, A. *see* Perrin, J.C. 9—86146
Thomas, A.D. Predicting the deposit velocity for horizontal turbulent pipe flow of slurries 9—90312
Thomas, A.W. Recent work in three-body systems 9—80842
Thomas, A.W., Rinat, A.S. Nucleon-nucleon scattering above the pion production threshold 9—89244
Thomas, A.W. *see* Gyles, W. 9—85534
Thomas, A.W. *see* Jackson, D.F. 9—76027
Thomas, A.W. *see* Johnson, R.R. 9—97653
Thomas, A.W. *see* Myhrer, F. 9—97732
Thomas, A.W. *see* Rinat, A.S. 9—85317
Thomas, A.W. *see* Sherif, H.S. 9—59066
Thomas, B. *see* Adam, H.H. 9—100391
Thomas, B.J. *see* Meyzaud, Y. 9—83231
Thomas, B.J. *see* Mountford, P.J. 9—49899
Thomas, B.J. *see* Vartsky, D. 9—92441
Thomas, B.K. *see* Halpern, A.M. 9—72429
Thomas, C.B. *see* Reehal, H.S. 9—87104
Thomas, C.W., Rauh, D.A., Welch, A.J. Digital inverse filtering of evoked responses 9—53098
Thomas, C.W., Welch, A.J. An adaptation-overlap model of the electroretinogram 9—74650
Thomas, C.W. *see* Robertson, D.E. 9—93841
Thomas, C.W. *see* Silker, W.B. 9—92109
Thomas, C.W. *see* Walsh, J.T. 9—62390
Thomas, D. *see* Abraham, F. 9—51084, 9—86753
Thomas, D. *see* Boivin, J.-C. 9—86755
Thomas, D. *see* Guillermo, R. 9—65190
Thomas, D. *see* Kernevez, J.P. 9—62173
Thomas, D.C. *see* Guckel, H. 9—86925, 9—91128
Thomas, D.D., Carlsen, W.F., Stryer, L. Fluorescence energy transfer in the rapid-diffusion limit 9—92151
Thomas, D.H. *see* Bell, T. 9—57098
Thomas, D.J. *see* Houttemane, C. 9—99172
Thomas, D.M. *see* Doddrell, D.M. 9—61247
Thomas, E.L. *see* Israel, S.J. 9—100272
Thomas, E.L. *see* Price, F.P. 9—69271
Thomas, E.L. *see* Sherman, E.S. 9—55620
Thomas, E.L. *see* Talmon, Y. 9—67297, 9—71573
Thomas, E.W. *see* Cundall, R.B. 9—72344
Thomas, E.W. *see* Lorriaux, J.L. 9—59472
Thomas, F., Straube, E., Helmis, G. Testing of models of stress-strain behavior of polymer networks. II. Multiaxial tension 9—69183
Thomas, G. Kikuchi electron diffraction and applications 9—68984
Thomas, G. Some applications of transmission electron microscopy to phase transitions 9—68988
Thomas, G. The behaviour of an F-E approximation for a polygonal flanged plate based on the principle of virtual deformations 9—86344
Thomas, G. Dimensional analysis applied to electricity and mechanics 9—97165
Thomas, G. *see* Belli, Y. 9—91810
Thomas, G. *see* Dahmen, U. 9—99185
Thomas, G. *see* Gronsky, R. 9—95996
Thomas, G. *see* Krivanek, O.L. 9—90895
Thomas, G. *see* Mishra, R.K. 9—87290
Thomas, G. *see* Parekh, L.P. 9—64404
Thomas, G. *see* Rozinoer, J. 9—62748
Thomas, G. *see* Shaw, T.M. 9—60339, 9—90671
Thomas, G. *see* Stevenson, R. 9—57015
Thomas, G. *see* Yu, S-Y. 9—56292
Thomas, G.A., Blount, E.I., Capizzi, M. Indirect recombination mechanisms in germanium 9—60728
Thomas, G.A. *see* Capizzi, M. 9—91477, 9—95336
Thomas, G.E., Weinberg, W.H. Versatile electron spectrometer for surface studies 9—58849
Thomas, G.E. *see* Durrance, S.T. 9—80066
Thomas, G.F., Meath, W.J. On the time dependence of a degenerate two-level system interacting with a pulse of radiation 9—59662
Thomas, G.G. *see* Drost, C.J. 9—83871, 9—83872
Thomas, G.H. Polarization phenomena in two body systems 9—80840
Thomas, G.H. *see* Garrar, G.R. 9—89180
Thomas, G.H. *see* Rose, J.L. 9—61808
Thomas, G.P. *see* Peregrine, D.H. 9—92958

Thomas, H. *see* Buttiker, M. 9—65491, 9—84972, 9—91071
Thomas, H. *see* Kerszberg, M. 9—78398
Thomas, H. *see* Schneider, W. 9—61641
Thomas, H.-C. *see* Kippenhahn, R. 9—71070
Thomas, H.H. *see* Wasilewski, P.J. 9—96748
Thomas, H.M. In-service inspection is over-rated 9—63762
Thomas, H.R. *see* Salaneck, W.R. 9—98150
Thomas, J. *see* Sax, R.I. 9—100920
Thomas, J.A. *see* Hayakawa, S. 9—71128
Thomas, J.C., Schurr, J.M. Photon-correlation spectroscopy in the near ultraviolet 9—75621
Thomas, J.D.R. Design of calcium ion-selective electrodes 9—70404
Thomas, J.E. *see* Baldwin, T.O. 9—86821
Thomas, J.H. Variations of the Sun's radius and temperature due to magnetic buoyancy 9—92749
Thomas, J.H. *see* Lux, R.A. 9—74880
Thomas, J.H, III., Sharma, S.P. High temperature film formation on cobalt-hardened gold 9—91848
Thomas, J.H., III *see* Sharma, S.P. 9—61814
Thomas, J.M. The electron microscopic approach to the structure and reactivities of organic solids 9—73077
Thomas, J.M., Jefferson, D.A. Where is high resolution electron microscopy taking us? 9—50965
Thomas, J.M. *see* Jefferson, D.A. 9—51057, 9—100829
Thomas, J.M. *see* Jones, W. 9—60235
Thomas, J.M. *see* Millward, G.R. 9—77463
Thomas, J.M. *see* Parkinson, G.M. 9—69115
Thomas, J.M.D. *see* Young, M.W. 9—56357
Thomas, J.P., Gille, J. Bandwidths of orientation channels in human vision 9—79551
Thomas, J.P. *see* Cachard, A. 9—96409
Thomas, J.P. *see* Roulet, M.E. 9—99989
Thomas, J.P., Cachard, A. *(editor)* Material Characterization Using Ion Beams. Lectures Presented at the NATO Advanced Study Institute on Material Characterization Using Ion Beams 9—96403
Thomas, J.R., Jr., Embrechts, M.J. Variational method for resonance escape in slab lattices 9—85572
Thomas, J.W., Countess, R.J. Continuous radon monitor 9—76150
Thomas, J.W. *see* Bacon, W.E. 9—100355
Thomas, K. *see* Ennos, A.E. 9—79020
Thomas, L. A simple integral approach to turbulent thermal boundary layer flow 9—55390
Thomas, L., Greer, R.G.H., Dickinson, P.H.G. The excitation of the 557.7 nm line and Herzberg bands in the nightglow 9—75008
Thomas, L.B. *see* Loyalka, S.K. 9—67820
Thomas, L.D. Solution of the coupled equations of inelastic atom-molecule scattering for a single initial state 9—68301
Thomas, L.E. Phase instabilities and swelling behavior in fuel cladding alloys 9—54500
Thomas, L.H., Smith, H., Davies, G.H. The viscosity of liquids at temperatures approaching the freezing point, and molecular association of polyphenyls and related compounds 9—51292
Thomas, L.J. *see* Mead, C.N. 9—66572
Thomas, L.J., Jr. *see* Clark, K.W. 9—70679
Thomas, L.J., Jr. *see* Mead, C.N. 9—70674, 9—70680
Thomas, M.B., Doremus, R.H. Fabrication of dense β-tricalcium phosphate ceramic for potential prosthetic applications 9—78924
Thomas, M.D. *see* Stephenson, R. 9—84072
Thomas, M.E. *see* Peterson, J.C. 9—50011
Thomas, M.F. *see* Rush, J.D. 9—69755, 9—69756
Thomas, M.G. *see* Nawrocky, R.J. 9—76209
Thomas, M.L. *see* Bartels, R.A. 9—65789
Thomas, M.M., Drbal, L.F., Emerson, F.A. Fission product release to BWR-6 containment via pressure suppression pool 9—59223
Thomas, M.W. *see* Ultman, J.S. 9—100657
Thomas, N., Phillips, W.A. Low-temperature specific-heats of some Ge_xS_{1-x} glasses 9—65214
Thomas, N. *see* Jones, D.P. 9—65213
Thomas, P. *see* Gierasch, P. 9—75133
Thomas, P. *see* Grunewald, M. 9—78103, 9—87099, 9—87100
Thomas, P.J., Rowell, N.L., van Driel, H.M., Stegeman, G.I. Normal acoustic modes and Brillouin scattering in single-mode optical fibers 9—76760
Thomas, P.M., Weber, A. High resolution Raman spectroscopy of gases with laser sources. XIV. The pure rotational spectra of dimethylacetylene and dimethyldiacetylene 9—59468
Thomas, R., Barassin, J., Barassin, A. Mobilities and longitudinal diffusion coefficients of Ar^+ and CH_x^+ in helium 9—94766
Thomas, R.B., Littler, J.G.F. Solar heating for a novel dwelling independent of servicing networks 9—62149
Thomas, R.B. *see* Littler, J.G.F. 9—61943
Thomas, R.H., Bentley, C.R. A model for Holocene retreat of the West Antarctic ice sheet 9—66725
Thomas, R.K. *see* Marlow, I. 9—60640
Thomas, R.L. *see* Hawkins, G.F. 9—78384
Thomas, R.L. *see* Kemp, A.L.W. 9—79419
Thomas, R.M. Condensation of steam on water in turbulent motion 9—64748
Thomas, R.M. Could Circinus X-1 be a gamma ray source? 9—97100
Thomas, R.M., Morton, D.C., Murdin, P.G. O I λ7773 absorption in optical counterparts of X-ray sources 9—71031
Thomas, R.M. *see* Duldig, M.L. 9—53939
Thomas, R.M. *see* Greenhill, J.G. 9—71158
Thomas, R.M. *see* Haynes, R.F. 9—71143
Thomas, R.M. *see* Watts, D.J. 9—96924
Thomas, R.W. *see* Vasofsky, R. 9—80580
Thomas, S. *see* Benesch, R. 9—54757
Thomas, S.R. *see* Mikulecky, D.C. 9—96504
Thomas, T.D. *see* Aksela, S. 9—59415
Thomas, T.D. *see* Dyer, P. 9—67786
Thomas, T.D. *see* Puigh, R.J. 9—93675
Thomas, T.F., Paulson, J.F. Photodissociation spectra of positive ions with time-of-flight analysis 9—50096
Thomas, T.F., Rose, T.L., Paulson, J.F. On the photochemical stability of $H_3O^+(H_2O)_n$ 9—86017
Thomas, T.R. Surface roughness measurement: alternatives to the stylus 9—75496
Thomas, T.R., King, M.J. The measurement and characterisation of surface microgeometry with a stylus instrument 9—80575
Thomas, V.H. *see* Doran, M. 9—68194
Thomas, V.W. *see* Robertson, D.E. 9—93841
Thomas, W. *see* Heinicke, W. 9—85729
Thomas, W.C. *see* Streed, E.R. 9—74541
Thomas, W.C. *see* Unsal, M. 9—55381
Thomas, W.C. *see* Nash, J.M. *(editor)* 9—83635
Thomas, Y., Six, P. On the equivalence of the Gruneisen and Brillouin theories for the thermal expansion of solids 9—77773
Thomason, P.F. *see* Eid, N.M.A. 9—79060
Thomason, R.S. *see* Schaumann, C.M. 9—85739
Thomassen, D. *see* Tveten, U. 9—63782
Thomassen, K.I. Overview and objectives of the MFTF program 9—49848
Thomassen, K.I. The mirror fusion test facility (MFTF) 9—49856
Thomassen, K.I. *see* Hagenson, R.L. 9—71977
Thomasset, F. *see* Fortin, M. 9—64638
Thomasson, R.K. *see* Collins, G.B. 9—89459
Thomchick, J., Ham, F.S. Temperature dependence of the stress-induced polarization of F center luminescence 9—56857
Thomchick, J. *see* Landau, D.P. 9—78396
Thome, H. *see* Bastard, G. 9—91473
Thome, J.R., Bald, W.B. Nucleate pool boiling in cryogenic binary mixtures 9—60495
Thome, Z.D. *see* Alberi, G. 9—63509
Thomin, G., Marcou, J., Gremillet, N. Applications of crossed gratings in integrated optics 9—50441
Thomlinson, M.M., Outhwaite, C.W. Numerical study of a modified BBGY integral equation for the primitive model of an electrolyte solution 9—99049
Thomlinson, W., Shirane, G., Moncton, D.E., Ishikawa, M., Fischer, O. Neutron scattering studies of the coexistence of long-range magnetic order and superconductivity in $Dy_{1.2}Mo_6S_8$ and $Tb_{1.2}Mo_6S_8$ 9—78320
Thomlinson, W. *see* Majkrzak, C.F. 9—99685
Thompson, A. *see* Apai, G. 9—81317
Thompson, A. *see* Evangelista, C. 9—75788
Thompson, A.H. Electrochemical potential spectroscopy: a new electrochemical measurement 9—100426
Thompson, A.H., Silbernagel, B.G. Correlated magnetic and transport properties in the charge-density-wave states of VSe_2 9—73494
Thompson, A.S. *see* Armstrong, T.A. 9—85344
Thompson, A.S. *see* Evangelista, C. 9—80843
Thompson, A.W. Short-range order parameters in Ni-25 pct Co from Mossbauer data 9—56645
Thompson, A.W. Discussion of 'The mechanism of ductile intergranular fracture' 9—73250
Thompson, A.W. Ductile fracture topography: geometrical contributions and effects of hydrogen 9—83310
Thompson, B.J. A review of Fourier plane signal processing for real-time measurement 9—76621
Thompson, C. Experience with the LAMPF Line D Fast Kicker system 9—72010
Thompson, C.J.C., DeBell, A.G., Wolfe, W.L. Refractive index of ZnSe at 3.8 μm and 10.6 μm, from 80K to 300 9—82938
Thompson, C.W., Jr., Tsai, C.L., Weinstock, H., Overton, W.C., Jr. The phonon-electron interaction in Pb-Bi alloys 9—60460
Thompson, D.A., Johar, S.S. Nonlinear sputtering effects in thin metal films 9—56899
Thompson, D.A. *see* Carter, G. 9—52067
Thompson, D.A. *see* McCaffrey, P.M. 9—82841
Thompson, D.J. The SRS. Progress report on the dedicated synchrotron radiation source at Daresbury; and operation of a 600 MeV booster 9—68022
Thompson, D.J., Sills, J.A., Recke, K.S., Bui, D.M. Acoustic admittance and the aging ear 9—100630
Thompson, D.J. *see* Hartman, R.C. 9—71105
Thompson, D.L., Wyckoff, H.O., Soares, C.G. Interim report on the National Bureau of Standards/Bureau of Radiological Health ^{60}Co teletherapy survey 9—62367
Thompson, D.L. *see* Brown, J.C. 9—57213
Thompson, D.L. *see* McLaughlin, D.R. 9—63898
Thompson, D.L. *see* Woodruff, S.B. 9—87839
Thompson, D.O., Thompson, R.B. Quantitative ultrasonics 9—79194
Thompson, D.S. *see* Hill, R.W. 9—87951
Thompson, D.T. *see* Lockwood, G.W. 9—75177
Thompson, E.D. *see* Chow, H. 9—52069
Thompson, E.J. Mid-radius ultrasonic flow measurement 9—68852
Thompson, E.V. *see* Parent, R.R. 9—61571
Thompson, G. *see* Bryan, W.B. 9—88336
Thompson, G. *see* Ludden, J.N. 9—57910
Thompson, G. *see* McGetchin, T.R. 9—92517
Thompson, G.E., Furneaux, R.C., Goode, J.S., Wood, G.C. Porous anodic film formation on aluminium substrates in phosphoric acid 9—70229
Thompson, G.E. *see* Furneaux, R.C. 9—74289
Thompson, G.H.B., Lovelace, D.F., Turley, S.E.H. Deep Zn-diffused (GaAl)As heterostructure stripe laser with twin transverse junctions for low threshold current and kink-free light characteristics 9—98393
Thompson, G.H.B. *see* Turley, S.E.H. 9—50294
Thompson, G.R. *see* Monk, G.W. 9—78487
Thompson, H.Bradford *see* Bradford Thompson, H.
Thompson, H.N. *see* Moriarty, K.J.M. 9—63557
Thompson, I., Landstreet, J.D., Angel, J.R.P., Stockman, H.S., Woolf, N.J., Martin, P.G., Maza, J., Beaver, E.A. Optical polarization of the Seyfert galaxy NGC 4151 9—53906
Thompson, I.D. Changes in the uncrossed retinotectal projection after removal of the other eye at birth 9—57650
Thompson, J. *see* Bloom, S. 9—62220
Thompson, J.C. *see* Krohn, C.E. 9—87152
Thompson, J.D., Habbal, F. A stress-free sample holder for low-temperature studies 9—49238
Thompson, J.D., Joiner, W.C.H. Flux-flow noise in a $Pb_{0.8}In_{0.2}$ superconducting alloy 9—95556
Thompson, J.D., Maley, M.P., Clem, J.R. Hysteretic losses of a type-II superconductor in parallel AC and DC magnetic fields of comparable magnitude 9—87217
Thompson, J.D., Maley, M.P., Newkirk, L.R., Bartlett, R.J. High-field properties and scaling in CVD -prepared Nb_3Ge 9—56455
Thompson, J.E., Faulk, J., Fellers, R.G., Huhns, M.N., Simpson, T.L., Caulfield, J.B. Tumor detection using microwave enhanced thermography and computer aided image analysis 9—70604
Thompson, J.F. *see* Weber, J.L. 9—75614
Thompson, J.J. *see* Whatham, I.F. 9—94516
Thompson, J.M.T. Stability predictions through a succession of folds 9—76991
Thompson, J.M.T., Tan, J.K.Y., Lim, K.C. On the topological classification of postbuckling phenomena 9—64541
Thompson, J.P. Is the Hall effect in silicon inversion layers consistent with macroscopic inhomogeneities? 9—51681
Thompson, J.R., Willson, A.J. The vibrations of a thin-walled elastic cylinder under axial stress 9—59937
Thompson, K. *see* Foss, M. 9—68102
Thompson, L., Buxton, O.E., Jr. Maximum isentropic flow of dry saturated steam through pressure relief valves 9—81978
Thompson, L.A., Welker, W.J., Jr., Gregory, S.A. The NGC 5416 cluster of galaxies 9—58434
Thompson, L.J. *see* Rizzie, J.W. 9—54487
Thompson, M. *see* Dris, M. 9—49491
Thompson, M.D., Das, T.P., Ciobanu, G. Theory of nuclear quadrupole interaction in cadmium using a first-principles pseudopotential 9—73482
Thompson, M.D. *see* Pattnaik, P.C. 9—73481
Thompson, M.J. *see* Walsh, P.J. 9—78139
Thompson, M.N. *see* Pywell, R.E. 9—89286
Thompson, P., Reilly, J.J., Reidinger, F., Hastings, J.M., Corliss, L.M. Neutron diffraction study of γ iron titanium deuteride 9—51085
Thompson, P.A., Hughes, V.W., Lysenko, W.P., Vogel, H.F. The stopped muon channel at LAMPF 9—68115
Thompson, P.A., Sullivan, D.A. A simple formula for saturated-vapor volume 9—95119
Thompson, P.A. *see* Carrington, R.L. 9—76257
Thompson, R., Turner, G.M. British geomagnetic master curve 10000-0 yr B.P. for dating European sediments 9—70740
Thompson, R. *see* Appleby, P.G. 9—74916
Thompson, R. *see* Bloemendal, J. 9—74915
Thompson, R. *see* Clark, R.M. 9—92623
Thompson, R. *see* Morris, J.V. 9—93434
Thompson, R. *see* Stober, J.C. 9—66682
Thompson, R.B. New configurations for the electromagnetic generation [of] SH waves in ferromagnetic materials 9—55836
Thompson, R.B. *see* Thompson, D.O. 9—79194
Thompson, R.B. *see* Vasile, C.F. 9—57196, 9—76932

Thompson, R.C., Gujral, V.K., Wagner, H.J., Schwerdtfeger, C.F. Magnetic and electric properties of $Mn(TCNQ)_2$ and its hydrates 9—82767
Thompson, R.I. A structural interpretation across part of the northern Rocky Mountains, British Columbia, Canada 9—100835
Thompson, R.I., Strittmatter, P.A. Circumstellar disks and planetary formation 9—58321
Thompson, R.I. *see* Macqueen, R.W. 9—62494
Thompson, R.J., Tokunaga, A.T. Analysis of obscured infrared objects. IV. GL 490 and GL 2591 9—92828
Thompson, R.J. *see* Lansing, J.C., Jr. 9—97438
Thompson, R.J. *see* Latham, A. 9—89168
Thompson, R.L. User requirements of aerospace propagation—environment modeling and forecasting 9—58169
Thompson, R.L. *see* Berger, C. 9—49519
Thompson, R.M., Jr., Payne, S.W., Recker, E.E., Reed, R.J. Structure and properties of synoptic-scale wave disturbances in the Intertropical Convergence Zone of the eastern Atlantic 9—88431
Thompson, R.S. Note on the aerodynamic roughness length for complex terrain 9—53475
Thompson, S.L., Schneider, S.H. A seasonal zonal energy balance climate model with an interactive lower layer 9—80005
Thompson, S.M., Gubbins, K.E. Molecular orientation at a vapour-liquid interface: theoretical and computer simulation results for a model of chlorine 9—73377
Thompson, T.E. *see* Estep, T.N. 9—62200
Thompson, T.J. *see* Hafner, G.W. 9—88093
Thompson, V.K. *see* Symons, M.C.R. 9—70363
Thompson, W.C. Computer-controlled pyrolysis gas chromatography for the analysis of tyre rubber blends 9—96396
Thompson, W.J. The spin-orbit potential for t and ^{3}He elastic scattering 9—85480
Thompson, W.L. *see* Murphy, P.H. 9—83905
Thoms, K.R., Dodd, C.V., Hobson, D.O., van der Kaa, T. An irradiation capsule design capable of continuously monitoring the creepdown of zircaloy fuel cladding 9—54513
Thomsen, J., Terkildsen, K., Osterhammel, P. Auditory brain stem responses in patients with acoustic neuromas 9—92235
Thomsen, J. *see* Belal, A. 9—62332
Thomsen, M.F., Sentman, D.D. Precipitation fluxes of energetic electrons at Jupiter: an estimated upper limit 9—75143
Thomsen, M.F. *see* Goertz, C.K. 9—53764, 9—75144
Thomsen, P.G. *see* Zlatev, Z. 9—72797
Thomson, A.L. *see* Bozler, H.M. 9—51370
Thomson, A.L. *see* Owers-Bradley, J.R. 9—51374
Thomson, D.M. Moire topography 9—81359
Thomson, E.M. *see* Clegg, R.J. 9—58038
Thomson, G.D. *see* Casapieri, P. 9—66732
Thomson, G.M., Jamison, K.A. High speed gas density measurements using proton induced X-rays 9—52805
Thomson, I. *see* Adams, L. 9—71981
Thomson, J.C. Waiving the weather 9—66710
Thomson, J.J. *see* Auerbach, J.M. 9—98979
Thomson, M.L. *see* Short, M.D. 9—100716
Thomson, P. *see* Slattery, G.F. 9—61621
Thomson, R.M. *see* Gubernatis, J.E. 9—83408
Thomson, T.R. Control of strain ageing in hot-rolled aluminium-killed sheet 9—61628
Thomy, A. *see* Regnier, J. 9—73397
Thong Ngo *see* Ngo Thong
Thoni, W. *see* Batlogg, B. 9—61074
Thoni, W. *see* Schoenes, J. 9—61344
Thorarinsson, S. *see* Larsen, G. 9—53332
Thorbergsson, G. *see* Bjornsson, A. 9—84210
Thorel, P. *see* Larher, Y. 9—86994
Thorley, P. *see* Flowers, A.G. 9—85459
Thormer, K., Luty, F., Beyeler, H.U. Dielectric relaxation processes perpendicular to the conduction planes in various β-alumina 9—91351
Thorn, C.E. *see* Bond, P.D. 9—67734
Thorn, C.E. *see* Kubono, S. 9—75950
Thorn, L.L. *see* Agnew, L. 9—68107
Thorn, R.J. *see* Murch, G.E. 9—71892, 9—77803, 9—82375, 9—82388
Thornblad, O. *see* Lindskog, P. 9—95969
Thornburn, R. Graphics plotter uses linear step motors 9—93127
Thorndike, E.H. *see* Nelson, C.A., Jr. 9—63486
Thorne, A.P. *see* Irfan, A.Y. 9—54198
Thorne, C.R., Hey, R.D. Direct measurements of secondary currents at a river inflexion point 9—79888
Thorne, K.S. Sources of gravitational waves 9—93032
Thorne, M.C. Analytical techniques for the analysis of multicompartment systems 9—83689
Thorne, R.M., Tsurutani, B.T. Power-line harmonic radiation: can it significantly affect the Earth's radiation belts? 9—80098
Thorngate, J.H. *see* Hawthorne, A.R. 9—83526
Thornhill, D.G.T. *see* Linford, R.G. 9—52745
Thornton, A.G., Wilks, J. Tool wear and solid state reactions during machining 9—79126
Thornton, A.R., Raffin, M.J.M. Speech-discrimination scores modeled as a binomial variable 9—53161
Thornton, G., Edelstein, N., Rosch, N., Egdell, R.G., Woodwark, D.R. The electronic structure of UCl_6: photoelectron spectra and scattered wave $X\alpha$ calculations 9—72355
Thornton, G., Poliakoff, E.D., Matthias, E., Southworth, S.H., Rosenberg, R.A., White, M.G., Shirley, D.A. Fluorescence decay of the O_u^+ and 1_u states of Ze_2 9—86009
Thornton, G.J., Clay, R.W. Atmospheric Cerenkov study of the development of cosmic-ray showers 9—84615
Thornton, G.K. A high resolution pressure transducer operating at liquid helium temperatures 9—58735
Thornton, G.K. *see* Bailey, R.L. 9—58719
Thornton, J. *see* Carlson, D.E. 9—96629
Thornton, J.A. *see* Hoffman, D.W. 9—77968
Thornton, J.A. *see* Jonath, A.D. 9—78884
Thornton, P.H. Energy absorption in composite structures 9—96112
Thornton, S.T. *see* Cordell, K.R. 9—75815
Thornton, S.T. *see* Schweizer, T.C. 9—54426
Thorpe, B.W. *see* Parry, M.A. 9—100129
Thorpe, M.F. Percolation as the zero-temperature limit of the dilute Ising model 9—93053
Thorpe, M.F. *see* McGurn, A.R. 9—78409
Thorpe, S.A. Instability and waves 9—81847
Thorpe, S.A., Stubbs, A.R. Bubbles in a freshwater lake 9—66722
Thorpe, W.R., Smith, I.O. A model for high-temperature creep incorporating both recovery and thermally activated glide 9—64534
Thorpe, W.R., Smith, I.O. The effect of thermal history on the tensile properties of polycrystalline Zircaloy-2 9—74204
Thorpe, W.R. *see* Povolo, F. 9—74205
Thorpe, W.R. *see* Smith, I.O. 9—74193
Thorsell, D.L. *see* Bottenheim, J.W. 9—50042
Thorshaug, N.P. *see* Underdal, L. 9—86724
Thorsness, C.B. *see* Hill, R.W. 9—87951
Thorson, I.M. *see* Burgerjon, J.J. 9—76222
Thorson, I.M. *see* Garvey, P.M. 9—81060
Thorson, W.R. *see* Rankin, J. 9—93915
Thorsos, E. *see* Yaakobi, B. 9—54598
Thorsos, E.I. *see* Goldman, E.B. 9—54596
Thorsteinsen, T.F., Lovhoiden, G., Nybo, K., Vold, P.B., Larsen, J.S. Population of $f_{7/2}$ states in the $^{41}Ca(\alpha,p)^{44}Sc$ reaction 9—59077
Thorstensen, J. *see* Charles, P. 9—97103
Thorstensen, J. *see* Stauffer, J. 9—62851
Thorwarth, E., Dietrich, M. High-intensity X-ray diffraction apparatus for pressures up to 100 kilobars and temperatures down to 1.5K 9—73070
Thouless, D.J. Transport in disordered systems 9—69483
Thoulouze, D. *see* Bourgoin, J.C. 9—56225
Thoulouze, D. *see* Godfrin, H. 9—51371
Thoulouze, D. *see* Hebral, B. 9—55999
Thoulouze, D. *see* Lasjaunias, J.C. 9—60516
Thouvenot, P. *see* Robert, J. 9—100694
Thozet, A. *see* Bertholon, G. 9—73474
Thrall, J. *see* Frost, H. 9—62343
Thrall, J.H. *see* Carey, J.E. 9—79660
Thrall, J.H. *see* Freitas, J.E. 9—79634
Thrane, E.V. Geophysical disturbance effects and their predictability 9—58171
Thrane, N. *see* Clausen, B.S. 9—49357
Threlkeld, C.N. *see* Leventhal, J.S. 9—57932
Thresher, J.J. *see* Baker, R.D. 9—89182
Thresher, J.J. *see* Bourquin, M. 9—71768
Thresher, J.J. *see* Brown, R.M. 9—71761
Throkildsen, G. *see* Svare, I. 9—82167
Thronson, H.A., Jr. On polarization by dust in the mid-infrared 9—67078
Thronson, H.A., Jr., Harper, D.A. Compact H II regions in the far-infrared 9—62883
Thronson, H.A., Jr., Harvey, P.M., Gatley, I. Star formation at a front: far-infrared observations of AFGL 333 9—53932
Thronson, H.A., Jr. *see* Harvey, P.M. 9—53808, 9—58406, 9—92771
Thrush, B.A. Laboratory kinetic studies in relation to atmospheric chemistry 9—53409
Thrush, B.A. Aspects of the chemistry of ozone depletion 9—70872
Thrush, B.A. *see* Burrows, J.P. 9—94020
Thrush, B.A. *see* Davies, P.B. 9—54869
Thrush, E.J., Selway, P.R., Henshall, G.D. Metal-organic c.v.d. growth of GaAs-GaAlAs double heterojunction lasers having low interfacial recombination and low threshold current 9—50293
Thrush, E.J., Whiteaway, J.E.A. Preliminary CW reliability measurements on GaAs-(GaAl)As stripe lasers grown by metal-organic CVD 9—98383
Thu Ba Truong Charge transfer to a solvent. II. Luminescence studies of tryptophan in aqueous solvent at 300 and 77K 9—69875
Thu Ba Truong Charge transfer to the solvent state. III. Luminescence of tryptophan and indole in aqueous alkaline solvent at 300 and 77K 9—69876
Thuan, T.X., Martin, G.E. A new dwarf galaxy in the Local Group 9—101195
Thuan, T.X., Oke, J.B., Bergeron, J. The emission-line spectrum of 3C 48 9—71147
Thuan, T.X., Seitzer, P.O. An H I survey of Nilson dwarf galaxies. I. Observations 9—92846
Thuan, T.X., Seitzer, P.O. An HI survey of Nilson dwarf galaxies. II. Statistical properties 9—92851
Thuesen, G. *see* Gerward, L. 9—99980
Thuesen, G. *see* Lindegaard-Anderson, A. 9—93242
Thuilleaux, J.-M. *see* Gibert, A. 9—73053
Thuillier, G. *see* Barlier, F. 9—66852
Thuillier, J.C. *see* von Ortenberg, M. 9—69724
Thuillier, P. The enigma of Archimedes' mirrors 9—62988
Thuillot, W. *see* Arlot, J.-E. 9—80266
Thuis, H., Stolte, S., Reuss, J. Molecular-beam investigations of anisotropic potentials 9—72376
Thulstrup, E.W., Spanget-Larsen, J., Gleiter, R. The electronic structure of p-terphenyl, 3,6-diphenyl-pyridazine and 3,6-diphenyl-s-tetrazine photoelectron and polarized absorption spectra 9—72360
Thum, C. *see* Frey, A. 9—58393
Thummes, G., Mende, H.H. The radio-frequency size effect in copper whisker blades: experimental technique, line shapes 9—65511
Thummes, G. *see* Peterseim, J. 9—87747
Thummler, F., Kleykamp, H., Hofmann, P. Effect of chemical factors on the irradiation behaviour of oxide fuels 9—49692
Thun, H.J. *see* Hortacsu, M. 9—71613
Thun, J.E. *see* Hasselgren, L. 9—63588
Thun, R. *see* Finley, D.A. 9—49625, 9—49626
Thurber, K.T. All about kits. III. Digging in [radio equipment] 9—80591
Thurier, R. *see* Boocock, D.G.B. 9—87945
Thurley, F. *see* March, J.F. 9—69490
Thurman, R.G. Traffic noise attenuation by a masonry subdivision perimeter fence 9—74578
Thurmond, C.D. *see* Levine, B.F. 9—76750
Thurstans, R.E. The structure and electrical properties of the electroformed MIM structure 9—78206
Thurston, G.B. Effects of hematocrit on blood viscoelasticity and in establishing normal values 9—62277
Thurston, J.R. *see* Riley, J.L. 9—83888
Thurstone, F.L. *see* Abbott, J.G. 9—57736
Thurstone, F.L. *see* Smith, S.W. 9—64471
Thurzo, I. Investigation of ionic motions in Ag-doped $LiPO_3$-$Al(PO_3)_3$ glasses by thermally stimulated depolarization 9—65239
Thurzo, I., Doupovec, J., Kakos, J. Comments on dielectric properties of semiconducting iron phosphate glasses 9—95704
Thurzo, I. *see* Doupovec, J. 9—60283
Thutupalli, G.K.M. Optical constants of single crystal GaAs 9—51928
Thutupalli, G.K.M. Thickness monitoring of optical thin films 9—97358
Thutupalli, G.K.M. Radiant heating using paraboloidal reflectors 9—97392
Thwaite, E.G. The numerical interpretation of topography 9—51406
Thwaites, M.J., Tomlinson, R.D., Hampshire, M.J. The observation of optical transitions from valence band states in $CuInTe_2$ 9—87416
Thwaites, S. *see* Fletcher, N.H. 9—81592, 9—92226
Thyagaraja, A. Dynamical transitions in a dissipative open system 9—64629
Thyagaraja, A. *see* Pollard, A. 9—68715
Thyagarajan, K. *see* Gnatak, A.K. 9—81353
Thyagarajan, K. *see* Rohra, A. 9—55219
Thyagarajan, K. *see* Sharma, A. 9—90013
Thyagarajan, K. *see* Sodha, M.S. 9—62117
Thylwe, K.-E. *see* Froman, N. 9—97233
Thys, A. *see* Apel, W.D. 9—58978
Ti-liang Xing *see* Xing Ti-liang
Ti-Shen Tze *see* Tze Ti-Shen
Tiainen, O.J.A. *see* Riikonen, H. 9—85624
Tian De-yuan *see* Peng Hua-shou 9—76301, 9—93887
Tian Feng-zuo *see* He Yi-zhen 9—96121
Tian Jing-Hua *see* Tang Di-Sheng 9—52175
Tian Ye *see* Su Zong-Di 9—49616
Tian-jian Lin *see* Lin Tian-jian
Tian-xi Sun *see* Sun Tian-xi
Tiator, L., Drechsel, D. Isobar excitation in proton-proton bremsstrahlung 9—67586
Tibarewala, D.N., Mukherjee, P., Chakrabarty, S., Ganguli, S. A digital gait recording technique 9—70725
Tibbetts, G.G. Electronically activated chemisorption of nitrogen on a copper (100) surface 9—66348
Tibbetts, G.G., Egelhoff, W.F., Jr. Growth of thin metal films on carbon 9—82476
Tibbetts, G.G. *see* Egelhoff, W.F., Jr. 9—77947
Tibell, G. *see* Ingemarsson, A. 9—75984
Tibell, G. *see* Konijn, J. 9—86085, 9—98251
Tibilov, S.S. *see* Shakhverdov, T.A. 9—54897
Tibilov, V.K. *see* Alferov, Zh.I. 9—89910
Tice, C.L., Smoot, L.D. Cold flow mixing rates with recirculation for pulverised coal reactors 9—50762

Tichy, L., Horak, J. Nonparabolicity of the conduction band and anisotropy of the electron effective mass in n-Bi_2Se_3 single crystals 9—60692
Tichy, M. *see* Adams, N.G. 9—61845
Tichy, M. *see* Lister, D.G. 9—91933
Tichy-Racs, A. *see* Szasz, A. 9—78841
Tick, P.A., Nolan, D.A. Polarization effects in stretched copper cadmium chloride photochromic glasses 9—95729
Tickner, E.G., Rasor, N.S. An instrument for the noninvasive assessment of pulmonary hypertension 9—92313
Tidecks, R., Meyer, J.D. Current-induced resistive state of superconducting tin whiskers with indium impurities 9—51712
Tidecks, R., von Minnigerode, G. The influence of high-frequency radiation on the U-I characteristics of superconducting tin whiskers 9—65619
Tidemand-Petersson, P. *see* Carraz, L.C. 9—85407
Tidemand-Petersson, P. *see* Ewan, G.T. 9—71820
Tidemand-Petersson, P. *see* Schardt, D. 9—93567
Tiedemann, P.W., Anderson, S.L., Ceyer, S.T., Hirooka, T., Ng, C.Y., Mahan, B.H., Lee, Y.T. Proton affinities of hydrogen halides determined by the molecular beam photoionization method 9—89622
Tiedemann, P.W. *see* Becker, C.H. 9—89748
Tiedemann, P.W. *see* Ceyer, S.T. 9—57212
Tiedje, T., Haering, R.R., Hardy, W.N. The application of capacitive transducers to sound velocity measurements in TTF-TCNQ 9—72775
Tiee, J.J., Fischer, T.A., Wittig, C. High-energy optically pumped molecular lasers in the 13- and 16-μm regions 9—89927
Tiee, J.J., Wampler, F.B., Rice, W.W. Laser-induced fluorescence excitation spectra of CCl_2 and CFCl radicals in the gas phase 9—98131
Tiee, J.J. *see* Quick, C.R., Jr. 9—57254
Tiefermann, M. *see* Gauntner, D.J. 9—58010
Tieg, L.J. *see* Bechis, D.J. 9—63401
Tiegs, T.N. Irradiation performance of HTGR fuel from capsules HRB-11 and -12 9—54582
Tiegs, T.N. Irradiation performance of Pu-containing coated-particle fuels 9—54583
Tielens, A.G.G.M., de Jong, T. Infrared emission of dusty H II regions 9—71091
Tiemann, E. *see* Knockel, H. 9—85979
Tien, C.L. *see* Bejan, A. 9—55383, 9—55421
Tien, C.L. *see* Burns, P.J. 9—68699
Tien, J.K. *see* Arons, R.M. 9—79042
Tien, J.K. *see* Roth, L. 9—99265
Tien, P.K., Miller, B.I. Diffusion of Cd acceptors in InP and a diffusion theory for III-V semiconductors 9—82246
Tien, T.Y. *see* Boskovic, S. 9—52145
Tien, T.Y. *see* Naik, I.K. 9—99546
Tien Chang-Lin *see* Chang-Lin Tien
Tien-Chang Lee Erosion, uplift, exponential heat source distribution, and transient heat flux 9—57887
Tien-Kai Li, Sumi, S., Iwasaki, T., Fujishima, A., Honda, K. Effect of addition of gelatin on electrochemical dye sensitization of AgCl electrode 9—57262
Tien-Lai Hwang, Schwarz, S.E., Rutledge, D.B. Microbolometers for infrared detection 9—75594
Tiepel, E.W. Mitigating the environmental impact of uranium solution mining: groundwater restoration 9—88012
Tierney, J.W. *see* Black, D.L. 9—90217
Tierstein, H.F., Smythe, R.C. An analysis of contoured crystal resonators operating in overtones of coupled thickness shear and thickness twist 9—81673
Tierstein, L.M. Selecting temperature regulators and controllers 9—71439
Tiersten, H.F., Sinha, B.K. Temperature induced frequency changes in electroded doubly-rotated quartz thickness-mode resonators 9—55298
Tiersten, H.F., Sinha, B.K., McDonald, J.F., Das, P.K. On the influence of a tuning inductor on the bandwidth of extensional trapped energy mode transducers 9—55303
Tiersten, H.F. *see* Sinha, B.K. 9—55810, 9—56062, 9—56730, 9—77667, 9—86972
Tietz, H.-D. The definition, classification and symbolisation of internal (locked-in) stresses 9—91907
Tiezengausen, V.A. *see* Dzhappuev, D.D. 9—53688
Tiezengauzen, V.A. *see* Alekseev, E.N. 9—80163
Tiezzi, E. *see* Gaggelli, E. 9—62171
Tiffon, B. *see* Ancian, B. 9—95661
Tifft, W.G., Gregory, S.A. Band theory applied to the Coma/A1367 supercluster 9—92871
Tigiev, G.S. *see* Cherednichenko, E.A. 9—57749
Tigyi, G. *see* Jako, G.J. 9—79604
Tihange, M. *see* Leroy, G. 9—89593
Tihomirov, V.M. *see* Ioffe, A.D. 9—63001
Tiitta, A., Hiismaki, P. Astacus, a time focussing neutron diffractometer based on the reverse Fourier principle 9—77457
Tijburg, R.P. *see* Veenvliet, H. 9—98391
Tikhodeev, S.G. The form of an electron-hole drop in rapid motion 9—60727
Tikhomirov, A.G. *see* Priyezzhev, A.V. 9—57681
Tikhomirov, A.N. *see* Vysotskii, E.N. 9—72643
Tikhomirov, G.P. *see* Myl'nikov, V.S. 9—82479
Tikhomirov, S.A., Tolstorozhev, G.B., Maksimov, A.I. Ultrafast molecular relaxation in phthalamide derivatives 9—85984
TIkhomirov, V.A. *see* Bazilevskii, M.V. 9—59529
Tikhomirov, V.V. *see* Gabeskiriya, V.Ya. 9—71938
Tikhomirov, V.V. *see* Prokopenko, V.S. 9—97830
Tikhomirova, E.A. *see* Bochkarev, V.V. 9—81139
Tikhomirova, N.A., Dontsova, L.I., Pikin, S.A., Ginzberg, A.V., Adomenas, P.V. Causes of orientation of nematic liquid crystals on the cleavage surface of a triglycine sulfate crystal 9—94899
Tikhomirova, N.A. *see* Glogarova, M. 9—99068
Tikhomirova, N.S., Malinskii, Yu.M., Karpov, V.L. Diffusion of gases in fluoropolymers before and after irradiation 9—51315
Tikhomolova, K.N., Sharova, N.G., Il'sheva, A.N. Investigation of electro-osmosis in double-layer diaphragms with different arrangements of the layers with respect to the poles of the current source and under long-term imposition of an external electric field 9—70373
Tikhonchuk, V.T. *see* Andrew, N.E. 9—55532
Tikhonchuk, V.T. *see* Basov, N.G. 9—86587
Tikhonchuk, V.T. *see* Krupnova, L.V. 9—55509
Tikhonenko, V.V. *see* Podstrigach, Ya.S. 9—76901
Tikhonov, A.N., Dmitriyev, V.I., Zakharov, Ye.V. Solution of electrical-prospecting problems for inhomogeneous media 9—88487
Tikhonov, A.N. *see* Kukushkin, A.K. 9—79491
Tikhonov, A.N. *see* Ruuge, E.K. 9—92179
Tikhonov, B.A. *see* Baranovskii, S.I. 9—81950
Tikhonov, E.A. *see* Il'chishin, I.P. 9—89931
Tikhonov, E.A. *see* Narovlyanskaya, N.M. 9—72565
Tikhonov, E.A. *see* Przhonskaya, O.V. 9—87854, 9—89905
Tikhonov, E.A. *see* Smirnova, T.N. 9—64004, 9—94294
Tikhonov, E.A. *see* Vashchuk, V.I. 9—50317
Tikhonov, G.F., Sorokin, V.K., Vasil'ev, V.A. Derivation and properties of porous metal-thread sheet materials 9—78915
Tikhonov, I.G. *see* Kesil'man, E.Sh. 9—80082
Tikhonov, L.V. *see* Belotskaya, A.A. 9—86800
Tikhonov, L.V. *see* Zaporozhets, O.I. 9—91282
Tikhonov, N.I. *see* Fofanov, O.N. 9—83427
Tikhonov, P.A., Kuznetsov, A.K., Kravchinskaya, M.V. Instrument for measuring electron and ion conductivities of oxidic materials at temperatures up to 2000°C 9—96247
Tikhonov, P.A. *see* Kravchinskaya, M.V. 9—100117
Tikhonov, V.F. *see* Kislik, M.D. 9—88570
Tikhonov, V.F. *see* Novikov, V.F. 9—87785
Tikhonov, V.I. *see* Bulatov, E.D. 9—50023
Tikhonova, L.A. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Tikhonova, V.V. *see* Morozova, G.I. 9—100217
Tikhonova, Z.I., Molchanov, V.S., Makarova, T.M., Davydenko, L.S. Effect of fluorine on the chemical stability of silicate optical glasses 9—76777
Tikhonovskii, M.A. *see* Somov, A.I. 9—78866, 9—100128
Tikhonychev, V.V. *see* L'vov, Yu.M. 9—53025
Tikhov, M. *see* Surnev, L. 9—90880
Tikhov, S.V. *see* Karpovich, I.A. 9—56324
Tikochinsky, Y. On the diagonalization of the general quadratic Hamiltonian for coupled harmonic oscillators 9—49158
Tikochinsky, Y. *see* Shalitin, D. 9—97295
Tiku, S.K. *see* Hou, L.D. 9—78109
Tiku, S.K. *see* Mohapatra, S.K. 9—60755
Tilbrook, A.P., Jones, T.B. The effects of vertical winds on the propagation of medium scale atmospheric gravity waves 9—75004
Tilbury, R.S., Gelbard, A.S., McDonald, J.M., Benua, R.S., Laughlin, J.S. A compact in-house multi-particle cyclotron for production of radionuclides and labeled compounds for medical use 9—53245
Tilch, J. *see* Mory, S. 9—59720
Tildesley, D.J. *see* Murad, S. 9—50976
Tildesley, D.J. *see* Nicolas, J.J. 9—73083
Tiliks, Yu.E. *see* Avotin'sh, Yu.E. 9—93202
Tiliks, Yu.E. *see* Raukhvarger, A.E. 9—56821, 9—69862
Till, H. *see* Rahn, F.J. 9—89362
Till, S.J. *see* Davies, D.W. 9—59533
Till, S.M. *see* Barnett, M. 9—98127
Till, S.M. *see* Hardwick, J.L. 9—54993
Till, S.M. *see* Ramsay, D.A. 9—98126
Tiller, H.-J., Apfel, C., Rudakoff, G. ESR-spectroscopic investigation of the effect of substrate structure and gas adsorption on the relaxation behaviour of oxygen vacancy (E_1'-centre) in and on disperse SiO_2 9—95645
Tiller, H.-J., Rudakoff, G. Reactivity of plasma-treated SiO_2 against O_2: an EPR study 9—51418
Tiller, J.A. *see* McDonald, T.B., III 9—70845
Tilley, D.R. *see* Jensen, M. 9—93620
Tilley, D.R. *see* Skopik, D.M. 9—93587
Tilley, R.J.D. *see* Ekstrom, T. 9—65046
Tilley, R.J.D. *see* Iguchi, E. 9—99223
Tilley, R.M. *see* Crowther, R.L. 9—59138, 9—67844
Tilli, M. *see* Stephenson, J.D. 9—82815
Tilli, M. *see* Tuomi, T. 9—87284
Tillman, J.E., Henry, R.M., Hess, S.L. Frontal systems during passage of the Martian north polar hood over the Viking lander 2 site prior to the first 1977 dust storm 9—84718
Tillman, J.E. *see* Hess, S.L. 9—84716
Tillman, J.E. *see* Sutton, J.L. 9—88615
Tillman, T.W. *see* Finitzo-Hieber, T. 9—53160
Tillmann, W., Schlieper, H. A device for the calibration of hot-film wall shear probes in liquids 9—50823
Tillmann, W., Schlieper, H. Modification of miniature flush surface wall shear probes for biomedical use 9—53262
Tillmanns, E. *see* Hofmeister, W. 9—73148
Tillson, D.D. *see* Patwardhan, A.S. 9—88286
Tillu, A.D. *see* Hingani, L.S. 9—84562
Tillwick, D.L. *see* Hofmeyr, C. 9—50951
Tillwick, D.L. *see* le Roux, H. 9—73771
Tilly, L.J. *see* Alberts, J.J. 9—100881
Tilmont, J. *see* Aknin, J.P. 9—68001
Tilton, H.B. How many colors? 9—92222
Tiltscher, H. *see* Lohmuller, R. 9—49244
Tiltscher, T. *see* Foag, W. 9—93161
Tiltz, S. Investigations of mechanical structures with the aid of the impulse technique 9—68667
Tilwick, D.L. *see* du Plessis, P.de V. 9—77666
Tilyavov, A.A. *see* Orlov, Yu.V. 9—49407, 9—93529
Timakova, G.P., Matokhin, A.V., Veter, V.V., Yudina, L.A., Yudin, V.V. Coherent methods of analysing the system of substructural defects in thin magnetic films 9—61190
Timan, B.L., Burachas, S.F. Influence of growth rate from the melt on the radius of a crystal 9—94935
Timan, B.L., Kolotii, O.D. Influence of atomic kinetics and supercooling in the bulk of a melt on the stability of the position of the interphase boundary and the radius of a growing crystal 9—94937
Timan, B.L., Kolotii, O.D., Drobrovinskaya, E.R., Pishchik, V.V. The temperature fields in Stepanov's method of growing profiled optically transparent crystals 9—55688
Timan, B.L. *see* Grinchenko, Yu.A. 9—69734
Timashev, S.F. *see* Grivtsov, A.C. 9—74011
Timashev, V.V., Albats, B.S., Osokin, A.P., Filippova, L.S. Sintering of silicate systems with presence of liquid phase 9—91610
Timashev, V.V. *see* Kaushanskii, V.E. 9—95167
Timashkova, G.M. *see* Varina, V.A. 9—92673
Timberlake, G.T. *see* Riva, C.E. 9—92322
Timbs, A.E. *see* Cosslett, V.E. 9—97475
Timchenko, B.A. *see* Dolgopolov, S.G. 9—89006
Timchenko, I.E. *see* Knysh, V.V. 9—100977
Timchenko, L.I. *see* Fugol, I.Ya. 9—87481
Timchenko, N.N. *see* Atamanov, V.M. 9—99006
Timchenko, V.I. *see* Samsonenko, N.D. 9—91097
Timin, Ye.N. *see* Pogadayev, V.I. 9—53071
Timinskii, Yu.V., Sinyakov, G.N., Byteva, I.M., Gurinovich, G.P. Mechanism of photoregeneration of reduced porphyrin in the presence of oxygen 9—57582
Timm, A.R. An electrodeless conductivity meter of improved sensitivity and reliability 9—85153
Timm, U. *see* Berger, C. 9—49519
Timmermann, A. *see* Gerhardt, H. 9—93504
Timmermans, A.J.J., Houben, G.J. Practical application of orifice plate meters and turbine meters in a gas flow under high pressure 9—68884
Timmermans, J. *see* Badier, J. 9—93460
Timmermans, W. *see* De Vooght, D. 9—100100
Timmons, D.H. *see* Chang, Y.Y. 9—59119
Timmons, M.L. *see* Liepins, R. 9—52148
Timmons, R.B. *see* Whytock, D.A. 9—66283
Timnat, Y.Manheimer *see* Manheimer Timnat, Y.
Timochko, B.M. *see* Antonets, S.I. 9—65395, 9—65396
Timofeev, A.I. *see* Demidovich, O.V. 9—69272
Timofeev, A.V. The nature of the Rayleigh instability 9—98889
Timofeev, B.D. *see* Belyaeva, O.V. 9—59863
Timofeev, B.T. *see* Kochetov, V.T. 9—91799
Timofeev, E.I. *see* Borisov, A.A. 9—64737
Timofeev, E.I. *see* Gel'fand, B.E. 9—81952, 9—86492
Timofeev, K.N. *see* Revin, V.V. 9—70543
Timofeev, N.A. *see* Lomov, A.A. 9—64919
Timofeev, N.A. *see* Milenin, V.M. 9—64916, 9—64920, 9—64949
Timofeev, V.A. Shift of the paramagnetic resonance line due to the spin-photon interaction 9—65712
Timofeev, V.A. *see* Artemov, K.P. 9—63688
Timofeev, V.A. *see* Kirshtein, G.Kh. 9—77313
Timofeev, V.D. *see* Bairamov, B.Kh. 9—68418
Timofeev, V.N. *see* Barinov, S.M. 9—57170, 9—87712
Timofeev, V.V. Analysing instrumental errors involved in extracting angular information about electrostatic gyroscopes 9—88947
Timofeev, Yu.A. *see* Bogaenko, I.N. 9—64483, 9—72891
Timofeev, Yu.A. *see* Yakovlev, E.N. 9—60713
Timofeev, Y.P. *see* Arapova, E.Y. 9—52021

Timofeeva, G.I. Calculation of width of ring-laser lock-in band 9—55156
Timofeeva, I.I. *see* Goryachev, Yu.M. 9—73568
Timofeeva, I.I. *see* Samsonov, G.V. 9—73131
Timofeeva, T.S., Yakovlev, O.I., Efimov, A.I. Radio wave fluctuation and turbulence of the nighttime Venusian atmosphere from radioscopy data of the space probe Venera 9 9—80254
Timofeeva, T.S. *see* Kolosov, M.A. 9—80253
Timofeeva, T.S. *see* Yakovlev, O.I. 9—62777
Timofeevskaya, O.D. Quantization in the neighborhood of a classical solution in a nonlinear O(3)-invariant theory 9—97522
Timofejeva, G.I., Kroyan, S.A., Ronova, I.A., Pavlova, S.-S.A., Krongauz, E.S., Travnikova, A.N., Korshak, V.V. Comparative study of the mass-molecular distribution of polyphenylquinoxaline synthesized in different media 9—61862
Timofeyev, Yu.P. *see* Vinogradov, Ye.A. 9—93168
Timokhin, A.N., Loguntsev, E.N., Golovachev, M.G. Use of oxide films for investigating the microstructure of zirconium and its alloys by electron microscopy 9—70243
Timokhin, V.V. *see* Kobylinskii, N.A. 9—89186
Timonen, J. *see* Rice, M.J. 9—99483
Timonov, A.A., Tanana, V.P. An analysis of the inverse case of radioactive logging using a regularization technique 9—88501
Timonov, A.S. *see* Orlova, G.M. 9—65210
Timoshenko, I.B. *see* Khromov, Yu.F. 9—52529
Timoshenko, N.N., Zmitruk, V.F., Shishkanova, Z.V., Gromova, G.P., Bembinek, Yu.E., Ryazanov, N.A. Ultrasonic quality inspection of a rolled repetitive section 9—87770
Timoshevskii, G.F. *see* Shilyaev, B.A. 9—90703
Timoshkova, E.I. Formal integrals for the restricted, plane, three-body problem 9—96900
Timoshnikov, Yu.A. *see* Chernov, I.P. 9—65113
Timoshnikov, Yu.A. *see* Kryuchkov, Yu.Yu. 9—95040
Timothy, J.G., Bybee, R.L. Effects of 1-MeV gamma radiation on a multi-anode microchannel array detector tube 9—71582
Timothy, L. *see* Pulsipher, D. 9—64414
Timothy, L.K. *see* Cox, B.V. 9—64426
Timusk, T. *see* Zarate, H.G. 9—78685
Tin-Kan Hung *see* Borovetz, H.S. 9—84024
Tinas, J. *see* Perena, J.M. 9—61636
Tinaut, D., Echaniz, G., Ramos, F., Fernandez, J. Materials for a solar still greenhouse 9—74496
Tinckler, L.F. *see* Minns, R.J. 9—74789
Tindall, A.S. *see* Brown, G. 9—79332
Tindall, G.W. *see* Stephens, R.I. 9—61711
Tindle, C.T. Virtual modes and mode amplitudes near cutoff 9—81607
Tindle, C.T. The equivalence of bottom loss and mode attenuation per cycle in underwater acoustics 9—90061
Tindle, C.T. *see* Weston, D.E. 9—98534
Tinel, C. *see* Caralp, F. 9—52665
Ting, E.C. *see* Keramidas, G.A. 9—55309
Ting, S.C.C. *see* Barber, D. 9—54289, 9—54346
Ting, S.C.C. *see* Barber, D.P. 9—89175, 9—97631
Ting, Y.D., Wazzan, A.R., Okrent, D. The response of carbide fuel elements to fast thermal transients using the UNCLE-T-BUBE code 9—93715
Ting-Chang, H., Shuo-Hung, K., Hwa-Chung, L. On the problem of dual charge (magnetic monopole) in non-Abelian gauge groups 9—63376
Ting-Ho Lo, Eshleman, L.R. Exponential Fourier and densities on SO(3) and optimal estimation and detection for rotational processes 9—49030
Ting-ing Lai, Lim, E.C. Temperature effects on $S_1 \rightarrow S_0/S_1 \rightarrow T_1$ branching ratio in radiationless transitions of N-heterocyclic compounds 9—54900
Ting-Jun Shi *see* Shi Ting-Jun
Ting-wen Jung *see* Jung Ting-wen
Ting-Yuan Wang *see* Wang Ting-Yuan
Tinh, N.H., Zann, A., Dubois, J.C. Mesomorphic properties of bromo and cyano substituted diarylethanes 9—90535
Tinh, N.H., Zann, A., Dubois, J.C. Synthesis of 1-(4-alkoxy or alkyl-benzoyloxy-phenyl)-2-(4′-pentylphenyl)-ethanes. Influence of the central group on the mesomorphic properties 9—90536
Tinh Huu *see* Huu Tinh
Tinh Nguyen Huu *see* Nguyen Huu Tinh
Tinivella, G. *see* Quattropani, A. 9—73439
Tinkham, M. The interaction of phase-slip centers in superconducting filaments 9—56367
Tinkham, M. *see* Skocpol, W.J. 9—65592
Tinner, F. Valves for high and ultra-high vacuum 9—63246
Tinoco, I., Jr. Circular dichroism of large molecules 9—94116
Tinsley, B.A. Energetic neutral atom precipitation as a possible source of midlatitude F region winds 9—70913
Tinsley, B.A. Energetic neutral atom precipitation during magnetic storms: optical emission, ionization, and energy deposition at low and middle latitudes 9—75047
Tinsley, B.M. Stellar lifetimes and abundance ratios in chemical evolution 9—53801
Tinsley, B.M. *see* Oemler, A., Jr. 9—88692
Tinsley, J.C. *see* Brabb, E.E. 9—88273
Tinti, S. Diffraction by a thick slitted screen 9—68455
Tiomno, J. *see* Bollini, C.G. 9—63362
Tiong Hiap Ong *see* Rajagopal, K. 9—57478
Tipler, F.J. General relativity, thermodynamics, and the Poincare cycle 9—80378
Tippets, R.D., Wilcox, D.M. A method for the resolution of multiple graybodies from spectrally sampled optical systems 9—76615
Tippie, J.W., Kulaga, J.E. Design considerations for a multiprocessor based data acquisition system 9—89556
Tippie, J.W. *see* Daly, R.T. 9—89558
Tippie, J.W. *see* Kulaga, J.E. 9—89548
Tippie, L.C. *see* Clark, W.G. 9—63217
Tippman, H. *see* Schmid, H. 9—60650
Tipton, H. *see* Schuette, W.H. 9—92423
Tipton, P. *see* Konowalow, D.D. 9—97997
Tirapegui, E. *see* Brachet, M.E. 9—63152
Tirapegui, E. *see* Langouche, F. 9—71280, 9—80516, 9—84999, 9—88879, 9—97255
Tirkey, B. *see* Klootwijk, C. 9—88241
Tirler, R. *see* Giboni, K.L. 9—89204
Tirmazi, S.H., Mughal, S.A. Relaxation time and activation energy of liquid ammonia 9—91335
Tirosh, E. *see* Ben-Yosef, N. 9—92590
Tirosh, J., McClintock, F.A. Finding elasto-plastic stress and strain in cracked bars under torsion and shear by assembling screw dislocations 9—68654
Tirozzi, B. *see* Campanino, M. 9—97296
Tirskii, G.A. *see* Benilov, M.S. 9—86564
Tirskii, G.A. *see* Gershbein, E.A. 9—84630
Tirskiy, G.A. *see* Safarov, R.A. 9—98696
Tischenko, V.G. *see* Il'chishin, I.P. 9—89931
Tischenko, Z.V., Golechek, L.I., Kudinova, A.N., Bondarenko, V.N. Crystallization kinetics of low-molecular weight compounds of ε-caprolactam from the melt 9—69034
Tischer, H. The study of collision processes with laser-excited atoms in the thermal energy range 9—94059
Tischer, H., Hartmann, K. On the head end of a reprocessing plant for HTR fuel elements 9—93800
Tischer, H. *see* Duren, R. 9—76482
Tisenko, Yu.A. Polarization effect in the splitting of the tripositronium ion into an electron and two photons 9—72448
Tishchenko, G.N., Karimov, Z. Structure of Rb^+ complex of LDLLDL analog of enniatin B in crystals 9—60348
Tishchenko, G.N. *see* Ibragimov, B.T. 9—94993, 9—94997
Tishchenko, L.P. *see* Palatnik, L.S. 9—86810
Tishchenko, R.P. *see* Galduk, M.I. 9—98377
Tishchenko, V.G., Lisetskii, L.N., Vasil'eva, O.D. Intermolecular interaction in multicomponent cholesteric systems and its influence on their optical properties 9—77516
Tishchenko, V.G. *see* Sukhenko, E.P. 9—95145
Tishchenko, V.M. Investigation of the quaternary structure of butyryl cholinesterase of horse serum 9—57570
Tishchenko, V.V. *see* Blonskii, I.V. 9—82334
Tishchenko, Yu.N., Trubetskoi, A.V. Some problems in the design and testing of an acousto-optical deflector based on TeO_2 monocrystals 9—98460
Tishina, T.A., Avdeeva, A.A. Calibration and checking of instruments for measuring NO_x concentrations of flue gases 9—53015
Tishkoff, J.M., Pinchak, A.C., Ostrach, S. Turbulent co-current gas-liquid flow in a tube with and without swirl 9—77257
Tishkov, N.I., Egorenkov, N.I. Programmed heating installation for mass-spectrometric analysis 9—93253
Tishkov, N.I. *see* Egorenkov, N.I. 9—61793
Tishkov, V.S. *see* Belyi, I.M. 9—73225
Tishkovskii, E.G. *see* Panov, V.I. 9—90646
Tiskovich, N.L. *see* Abramenko, Yu.E. 9—87633
Tissen, V.G. *see* Antonov, V.E. 9—69671
Tissing, O. *see* van Egmond, N.D. 9—70825
Tissot, P. *see* Do Duc, H. 9—96187
Tisza, S., Vitan, G. Biological sensors of Medicor Works 9—100769
Titarenko, N.N. *see* Gyarmati, B. 9—85469
Titarenko, Yu.E. *see* Yurova, L.N. 9—63738, 9—71923
Titarov, S.I. *see* Volkov, V.A. 9—55471
Titchmarsh, J.M. *see* Williams, T.M. 9—66063
Titenkov, A.F. *see* Gusev, A.A. 9—66896
Titheridge, J.E. Increased accuracy with simple methods of ionogram analysis 9—53538
Titishov, B.N. *see* Lebedev, S.V. 9—97469
Titkov, E.F. *see* Volod'ko, L.V. 9—87489
Titkova, L.V. *see* Vinogradov, G.V. 9—50690
Titlebaum, E.L. Echolocation systems in nature: a theory of optimum insensitivity to motion for bats 9—53163
Titlinov, V.S. *see* Zhuravleva, R.B. 9—58119
Titman, C.W. *see* Davies, P.A. 9—55354
Titorov, D.B. *see* Sagaradze, V.V. 9—66050
Titov, A.I., Christodoulides, C.E., Carter, G., Nobes, M.J. The depth distribution of disorder produced by room temperature 40 keV N^+ ion irradiation of silicon 9—73227
Titov, A.I. *see* Abroyan, I.A. 9—90706
Titov, A.I. *see* Lukyanov, V.K. 9—75864, 9—80868
Titov, A.M., Shchukin, V.P. Properties of the error criterion in the attitude determination of artificial Earth satellites 9—88561
Titov, B.F. *see* Poplavskii, V.M. 9—97876
Titov, B.V. *see* Kaplan, A.A. 9—87776
Titov, E.A. *see* Barashev, V.A. 9—94295
Titov, G.V. *see* Privalko, V.P. 9—65211
Titov, L.A., Zyryanov, G.K., Burkhanov, A.G. Formation of defects on the surface of silicon carbide by bombardment with argon ions of 5-100 eV energy 9—69165
Titov, R.A. *see* Akimov, A.V. 9—95860
Titov, S.A. *see* Onopko, D.E. 9—59352, 9—65417
Titov, S.A. *see* Pavlychev, A.A. 9—99983
Titov, V.A. *see* Balbekov, V.I. 9—63829
Titov, V.A. *see* Baldin, A.M. 9—72125
Titov, V.B. Construction of the theory of the motion of artificial Earth satellites in coordinates in the case of an arbitrary intermediate orbit 9—62720
Titov, V.I. *see* Il'metov, A.V. 9—72910
Titov, V.V. Control of impurity profile by ion implantation 9—82258
Titov, V.V. *see* Pavluchenko, A.I. 9—86876
Titov, Yu.M. *see* Bykov, R.E. 9—89026
Titovets, Yu.F. *see* Zhoga, L.V. 9—69110
Tittel, F.K. *see* Blit, S. 9—50343
Tittel, F.K. *see* Epton, P.J. 9—76728
Tittel, F.K. *see* Ernst, W.E. 9—86166, 9—89892
Tittel, F.K. *see* Pollock, C.R. 9—75618
Tittel, F.K. *see* Woodbury, D.A. 9—94186
Tittel, K. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Tittemore, G. *see* Cozzarelli, F.A. 9—50639
Tittman, B.R. *see* Elsley, R.K. 9—52614
Tittmann, B.R., de Billy, M., Cohen-Tenoudji, F., Jungman, A., Quentin, G. Measurements of the angular and frequency dependence of acoustic surface wave scattering from surface cracks 9—57197
Titus, W.J. Information theory density matrix for a simple quantum system 9—58470
Titze, I.R., Talkin, D.T. A theoretical study of the effects of various laryngeal configurations on the acoustics of phonation 9—86309
Titze, O. *see* Gross, W. 9—71817
Titze, O. *see* Schneider, R. 9—75847
Tiu, C. *see* Tan, K.L. 9—60036
Tiunov, V.F., Zaikova, V.A., Shur, Ya.S. Dynamics of the 180-degree domain boundaries and electromagnetic losses in Fe-3% Si crystals 9—51801
Tiunov, V.V. *see* Shul'ts, V.V. 9—79114
Tivkov, S.M. *see* Goncharskii, A.V. 9—101188
Tiwari, B.N. *see* Dubley, B.L. 9—56511
Tiwari, G.N. *see* Sodha, M.S. 9—59980
Tiwari, M.K., Rajan, Y.S., Kasturirangan, K. Astronomy education in India—an opinion paper 9—62947
Tiwari, M.K. *see* Kumar, A. 9—60884
Tiwari, M.S. *see* Misra, K.D. 9—94781
Tiwari, N.K. *see* Gupta, V.K. 9—62141, 9—62142
Tiwari, P. *see* Ojha, S.P. 9—94070
Tiwari, R.N. A class of non-static cylindrically symmetric coupled zero-mass and electromagnetic fields. I 9—63111
Tiwari, R.N., Bhamra, K.S. Cosmological solutions for the metric representing null radiation 9—67122
Tiwari, R.N., Rao, P.P. Majumdar-Papapetrou class of nonstatic cylindrically symmetric Brans-Dicke-Maxwell fields 9—49138
Tiwari, R.N., Tiwari, S.N., Agar, R.P., Srirangarayan, H.R. On stability of autonomous third order systems 9—94539
Tiwari, R.N. *see* Rao, P.P. 9—85033, 9—97278
Tiwari, S. *see* Lender, R.J. 9—61973
Tiwari, S. *see* Pande, K. 9—69988
Tiwari, S.C. *see* Rajwar, D.C. 9—72362
Tiwari, S.K., Chattopadhyay, K., Suryanarayana, C., Anantharaman, T.R. Decomposition studies of a liquisol quenched Al-33 at.% Mg alloy 9—61622
Tiwari, S.N. *see* Gupta, S.K. 9—70854
Tiwari, S.N. *see* Tiwari, R.N. 9—94539
Tixier, M. *see* Coville, P. 9—76114
Tixier, R. *see* Meyzaud, Y. 9—83231
Tizenguazen, V.A. *see* Alekseev, E.N. 9—80164
Tjaden, D.L.A. Birefringence in single-mode optical fibres due to core ellipticity 9—68442
Tjapkin, D., Ramovic, R. On the temperature dependence of the ionization rates in semiconductors 9—56211
Tjapkin, D., Tosic, T., Jevtic, M. Some questions of mobility determination in heavily doped semiconductors 9—56215
Tjapkin, D. *see* Arandjelovic, V. 9—73206
Tjerneld, F. *see* Norden, B. 9—62188
Tjon, J., Tai Tsun Wu Numerical aspects of the approach to a Maxwellian distribution 9—54034
Tjon, J.A. On the approach to Maxwellian distribution 9—58622

Tjon, J.A. Dynamics of four particle systems 9—80905

Tjon, J.A., Zuilhof, M.J. Deuteron formfactor calculations with the Bethe-Salpeter equation 9—67554

Tjon, J.A., Zuilhof, M.J. Electromagnetic properties of the deuteron in a relativistic one-boson exchange model 9—67678

Tjon, J.A. *see* Bruch, L.W. 9—58632

Tjon, J.A. *see* Courtenay Lewis, J. 9—97216

Tjon, J.A. *see* Simonov, Yu.A. 9—58949, 9—85272

Tkach, V.I., Bashev, V.F., Lysenko, A.B., Miroshnichenko, I.S. Formation of a metastable modification of samarium during quenching from the molten state 9—91636

Tkach, V.V. *see* Sivukha, N.I. 9—92436

Tkachenko, A.K. *see* Gorban', I.S. 9—52028

Tkachenko, A.P. *see* Braude, S.Ya. 9—97091

Tkachenko, A.V. *see* Martynov, V.V. 9—87634

Tkachenko, B.K. *see* Volkov, V.A. 9—55471

Tkachenko, E.F. *see* Byuler, G.A. 9—64149

Tkachenko, F.K., Chernyi, Yu.F., Spuskanyuk, V.Z., Mel'nichenko, A.I., Maistruk, A.Ya., Lyadskaya, G.A. Influence of type of cold plastic strain on transformations in steel when heated 9—52232

Tkachenko, F.K. *see* Chernyi, Yu.F. 9—52235

Tkachenko, I.M. Critical multiple correlations in the Landau model 9—75440

Tkachenko, S.D. *see* Konorova, E.A. 9—77630

Tkachenko, V.F., Kogan, Yu.I. Structural characteristics and mechanical properties of sintered Fe-B_4C materials 9—100084

Tkachenko, V.G., Kolesnik, L.I., Kopan, V.S. Structural condition and low-temperature brittleness of beryllium and other microalloys subjected to strain hardening 9—96140

Tkachenko, V.I. *see* Kondratenko, A.N. 9—60156

Tkachenko, Yu.B. *see* Zaitsev, V.I. 9—69109

Tkachev, G.V. Characteristics of vibrosource in a liquid layer 9—81905

Tkachev, V.D. *see* Akulovich, N.I. 9—91103

Tkachev, V.D. *see* Golubev, N.F. 9—51145

Tkachev, V.D. *see* Khokhlov, V.F. 9—59104

Tkachev, V.D. *see* Minaev, N.S. 9—91496

Tkachev, V.D. *see* Yukovskii, P.V. 9—60408

Tkachev, V.D. *see* Zhukovskii, P.V. 9—51172

Tkachev, V.I. *see* Litvin, A.K. 9—70252

Tkacheva, N.S., Leonova, L.S., Ukshe, E.A. Impedance of cells with polycrystalline β-alumina 9—100401

Tkacheva, T.M. *see* Milevskii, L.S. 9—69181

Tkachov, F.V. *see* Chetyrkin, K.G. 9—85309

Tkachuk, A.M. *see* Petrov, M.V. 9—56818

Tkachuk, B.V. *see* Andrushko, L.M. 9—98481

Tkachuk, P.N. *see* Borsht, V.V. 9—95446

Tkackenko, V.I. *see* Kondratenko, A.N. 9—82061

Tkaczyk, S. *see* Waclawek, W. 9—89050

Tkaczyk, W. Interpretation of some gamma astronomy observations. II 9—58451

Tkhagapsoev, Kh.G. *see* El'baeva, R.I. 9—100293

Tkhagapsoev, Kh.G. *see* Rakhshtadt, A.G. 9—100199

Tkhamokov, B.Kh. *see* Grachev, A.A. 9—100968

Tkhorik, Yu.A. *see* Berdnichenko, P.E. 9—73578

Tkhorik, Yu.A. *see* Mitin, V.V. 9—51697, 9—91171

Tkhorik, Yu.A. *see* Zaitsevskii, I.L. 9—91140

Tlepbergenov, T.O. *see* Minaev, B.F. 9—72342

Tleugaliev, S.Kh. *see* Kocharov, G.E. 9—84599

To, C.W.S. Higher order tapered beam finite elements for vibration analysis 9—81759

To, C.W.S., Doige, A.G. A transient testing technique for the determination of matrix parameters of acoustic systems. I. Theory and principles 9—68527

To, C.W.S., Doige, A.G. A transient testing technique for the determination of matrix parameters of acoustic systems. II. Experimental procedures and results 9—68528

Toader, E.I., Popescu, I., Collins, C.B. A theory of the molecular satellites of the 6^2S-7^2P doublet of cesium 9—85956

Toader, E.I. *see* Bratescu, G.G. 9—86559

Toaff, S. *see* Berny, L. 9—63524

Toan, T.Le *see* Le Toan, T.

Toan Thang Nguyen *see* Nguyen Toan Thang

Tobe, M. *see* Sakai, S. 9—68405

Tobe, T., Kato, M., Obara, H. Metal forming by underwater wire explosion. I. An analysis of plastic deformation of circular membranes under impulsive loading 9—100208

Tobias, C.A. *see* Alonso, J.R. 9—72129, 9—79631

Tobias, C.A. *see* Chapman, J.D. 9—79609

Tobin, E.D. *see* Arguello, R.J. 9—94378

Tobin, F.L. An algorithm for the storage of Condon-Shortley coefficients 9—49929

Tobin, J. Chemistry for students in the criminal justice program 9—48986

Tobioka, M. *see* Hara, A. 9—74096

Tobioka, T. *see* Ishikawa, M. 9—63760

Tobisch, F. Czochralski-type crystal growth system developed in the Central Research Institute for Physics 9—91581

Tobisch, J. *see* Mucklich, A. 9—52237, 9—87657

Tobisch, J. *see* Schreiter, U. 9—91692

Tobocman, W. *see* Chandler, C. 9—63642

Toburen, L.H., Wilson, W.E. Differential cross sections for ionization of argon by 0.3-2-MeV He^{2+} and He^+ ions 9—81271

Tobushi, H., Narumi, Y. Mechanical property of celluloid under proportional loading (effect of time lapse by heating and isotropic property) 9—79043

Tocchetti, D. *see* Hutchings, M.T. 9—51765

Tocher, D. *see* Page, W.D. 9—88295

Tochihara, H. *see* Johgo, A. 9—50165

Tochilin, E., LaRiviere, P.D. Attenuation of primary and leakage radiation in concrete for X-rays from a 10 MV linear accelerator 9—63823

Tochiyama, O. *see* Inoue, Y. 9—52733

Tocho, J.O. *see* Gallardo, M. 9—81448

Tocho, J.O. *see* Ranea Sandoval, H.F. 9—76671

Toci, F., Manes, L., Ewart, F.T., Mari, C.M. On the determination of oxygen potentials and O/M ratios in mixed U-Pu oxides by means of solid state galvanic cells 9—96324

Toci, F. *see* Ewart, F.T. 9—49689

Tod, K.P. *see* Newman, E.T. 9—49119

Toda, F. *see* Sudo, Y. 9—74614

Toda, K. A unidirectional three-phase interdigital transducer for acoustic imaging in fluids 9—72774

Toda, M. High field dielectric loss of PVF_2 and the electromechanical conversion efficiency of a PVF_2 fan 9—82926

Toda, M. Theory of air flow generation by a resonant type PVF_2 bimorph cantilever vibrator 9—87391

Toda, M. *see* Kondoh, M. 9—68048

Todd, A.M.M., Manickam, J., Okabayashi, M., Chance, M.S., Grimm, R.C., Greene, J.M., Johnson, J.L. Dependence of ideal-MHD kink and ballooning modes on plasma shape and profiles in Tokamaks 9—64846

Todd, A.M.M. *see* Johnson, J.L. 9—82091

Todd, C.J. *see* Klazura, G.E. 9—88442

Todd, C.J. *see* Speight, J.D. 9—77951

Todd, G., Poppa, H., Veneklasen, L.H. Auger electron spectroscopy applications of a new integral field emission gun with a small spot size 9—75663

Todd, I. *see* Gingell, D. 9—80677

Todd, J.F.J. *see* Mather, R.E. 9—57313, 9—89033

Todd, J.F.J. *see* Waldren, R.M. 9—89034

Todd, P., Furcinitti, P.S., Rossi, R.M., Schroy, C.B., Geraci, J.P., Mikage, F., Theus, R.B. Comparison of the effects of various cyclotron-produced fast neutrons of the reproductive capacity of cultured human kidney (T-1) cells 9—62307

Todd, T.R. *see* Eng, R.S. 9—59698

Todd, W.J., George, A.J., Jr., Bryant, N.A. Satellite-aided evaluation of population exposure to air pollution 9—92116

Todd Pokropek, A. *see* Crouzel, C. 9—57775

Todo, T. *see* Yonei, S. 9—74724

Todorov, I.T., Mintchev, M.C., Petkova, V.B. Conformal invariance in quantum field theory 9—63377

Todorov, I.T. *see* Tagirov, E.A. 9—93273

Todorov, P.T. *see* Birulev, V.K. 9—67547

Todorov, T. *see* Zdanov, V.G. 9—98453

Todorovic, M. Investigations of tritiated water fixation in silicagel, zeolites and different types of cement 9—97851

Todorovic, M.S., Georgijevic, V.J., Zlatanovic, M. Investigation of electrode system of a rotating arc as a spectrochemical source 9—52856

Todorovic, Z. *see* Grabez, B. 9—93671

Todorovskii, A.T., Dementev, V.A., Gribov, L.A. Possible transferability of the halfwidths of IR absorption bands in a series of related molecules in the construction of theoretical spectral curves 9—54921

Todorovskii, A.T. *see* Gribov, L.A. 9—54835

Todreas, N. *see* Chiu, C. 9—76063

Todreas, N.E. *see* Chao, J. 9—81087

Todreas, N.E. *see* Chiu, C. 9—59140

Todreas, N.E. *see* Corradini, M. 9—67886, 9—93775

Toei, J. *see* Matsui, M. 9—92027

Toennies, J.P. Resonances in the scattering of atoms and molecules 9—72384

Toennies, J.P., Welz, W., Wolf, G. Molecular beam scattering studies of orbiting resonances and the determination of van der Waals potentials for H-Ne, Ar, Kr, and Xe and for H_2-Ar, Kr, and Xe 9—89739

Toennies, J.P. *see* Bowman, J.M. 9—98193

Toennies, J.P. *see* Eastes, W. 9—68300

Toennies, J.P. *see* Mayne, H.R. 9—74364

Toennies, J.P. *see* Schwalm, U. 9—54937

Toepfer, A. *see* Dreizler, R.M. 9—59355

Toepfer, A.J. *see* Perry, F.C. 9—49832

Toesca, S. *see* Pourantru, Y. 9—83381

Tofield, B.C., Poulain, M., Lucas, J. Non-stoichiometry in anion-excess ReO_3 phases; the structure of $Zr_{0.8}Yb_{0.2}F_{3.2}O_{0.3}(MX_{3.5})$ by powder neutron diffraction 9—60322

Toft, A.R. *see* Hass, G. 9—80187

Toft, M. *see* Armitage, J.G.M. 9—51376

Tofts, P.S. *see* Houston, A.S. 9—53233

Tofts, P.S. *see* Marshall, C.H. 9—83918

Togami, Y., Chiba, T. Observation of surface waves and bulk waves in a surface acoustic wave device by frequency-shift holography 9—59895

Togami, Y., Chiba, T. Observation of surface waves and bulk waves in a surface acoustic wave device by frequency-shift holography 9—81600

Togano, K., Tachikawa, K. Textures in diffusion-processed superconducting Nb_3Sn and V_3Ga layers 9—82726

Togawa, T. *see* Inawashiro, S. 9—78408

Toguri, J.M. *see* Jacob, K.T. 9—82359

Tohei, T. *see* Doll, P. 9—97656

Tohge, N., Minami, T., Tanaka, M. The electrical and photovoltaic properties of heterojunctions between an amorphous Ge-Te-Se film and crystalline silicon 9—65546

Tohge, N., Yamamoto, Y., Minami, T., Tanaka, M. Prepration of n-type semiconducting $Ge_{20}Bi_{10}Se_{70}$ glass 9—74126

Tohji, K. *see* Nishikawa, K. 9—77478

Tohkura, Y., Itakura, F. Improvement of speech quality in PARCOR analysis-synthesis telephony 9—50534

Tohmine, K. *see* Abe, S. 9—66709

Tohno, I. *see* Kobayashi, H. 9—88291

Tohno, S. *see* Nagai, H. 9—99925

Tohsaki-Suzuki, A. *see* Ando, T. 9—59044

Tohyama, F. *see* Yamakawa, H. 9—79733

Tohyama, M., Suzuki, A., Yoshikawa, S. Correlation coefficients in a rectangular reverberant room—experimental results 9—76914

Toi, K., Itoh, S., Kadota, K., Kawahata, K., Noda, N., Sakurai, K., Sato, K., Tanahashi, S., Yasue, S. Current density profile control by programming of gas puffing and plasma current waveform in the JIPPT-II tokamak 9—86565

Toitot, M. *see* Bretin, L. 9—74259

Tokachev, V.A. *see* Borisevich, N.A. 9—94213

Tokar, J.V. *see* Gillette, J.L. 9—85652

Tokar, J.V. *see* Singer, R.M. 9—85653

Tokar', M.Z. Generation of a turbulent plasma blanket in a Tokamak reactor 9—55566

Tokar', M.Z. *see* Vasil'ev, N.N. 9—59259

Tokarchuk, D.N. *see* Pudonin, F.A. 9—56931

Tokarev, V.F. *see* Krasnikov, N.V. 9—49408, 9—54271, 9—97536

Tokarev, V.P. *see* Zaika, N.I. 9—67800

Tokarev, Yu.G., Lin, S.T. Acceleration of nitriding of steel 12Kh18N10T 9—96204

Tokarzewska, M., Zmarzly, J., Pawlik, R. Studies on polymer systems comprising polyvinyl chloride and chlorinated polyethylene on the example of unplasticized extruded films 9—70037

Toker, G., Gal, A., Eisenberg, J.M. Application of Faddeev equations to $K^-d \to \pi^-\Lambda p$ at low energy 9—75797

Toker, G., Gal, A., Eisenberg, J.M. The $K^-d \to \pi^-\Lambda p$ reaction at low energies 9—85341

Tokhadze, K.G. *see* Gerasimov, I.V. 9—70389

Toki, H., Weise, W. Precritical behavior in pion-like nuclear excited states 9—49593

Toki, H., Weise, W. Precritical phenomena close to pion condensation in finite nuclei 9—85377

Toki, H., Yadav, H.L., Faessler, A. Study of transitional odd-odd mass nuclei 9—93498

Toki, H. *see* Bogdan, D. 9—67715

Toki, H. *see* Mukhopadhyay, N.C. 9—67697

Toki, W. *see* Becker, U. 9—59059

Tokiguka, T. *see* Momota, H. 9—98940

Tokimasa, K. *see* Hirakawa, K. 9—87753

Tokimatsu, K. *see* Kobayashi, H. 9—88291

Tokimatsu, K. *see* Yoshimi, Y. 9—88308

Tokita, S., Miyazaki, S., Tanihashi, K., Suetomi, N., Haijima, K., Nishi, H. The synthesis of 5,5'-dichloro-1,1'-dianthraquinonyl 9—96304

Tokiwa, Y., Sugawara, Y. Effects of cathode temperature on laser oscillation in He-Cd hollow cathode laser 9—50285

Tokiwa, Y. *see* Appel, B.R. 9—83668

Tokiwai, M. *see* Higashiguchi, Y. 9—51157

Tokmakov, V.V. *see* Vanyukov, A.V. 9—52124

Tokoi, H., Ozaki, N., Harada, I. Measurements of velocity profiles of gas in a rotating cylinder 9—50737

Tokoi, H. *see* Ozaki, N. 9—49793

Tokonami, M. *see* Otsuka, K. 9—60308

Tokonami, M. *see* Parise, J.B. 9—55708

Tokonami, M. *see* Yamamoto, A. 9—94966

Tokott, T. *see* Blietschau, J. 9—93396

Tokovinin, A.A. Phase-grating stellar interferometer 9—101070

Toksoz, M.N. *see* Shakal, A.F. 9—88299

Tokuda, N. *see* Hirao, Y. 9—72117

Tokuhiro, I. *see* Shirai, K. 9—80059

Tokuhiro, T., Freer, J., Woo, K.W. Frequency dependence of intermolecular proton spin-laccice relaxation rate and pair-diffusion constant in neat acetonitrile-d_2 9—99781

Tokumaru, H., Habata, O. Statistical prediction of air pollution levels by mixed order multivariable AR scheme 9—57537

Tokumoto, H. *see* Uwe, H. 9—73240

Tokumoto, S. *see* Endo, K. 9—72046

Tokumura, M., Akao, F. Measurement of the acoustic impedance of liquid ^{4}He by acoustic surface waves 9—77848
Tokunaga, A. *see* Tsujino, K. 9—73472
Tokunaga, A.T., Caldwell, J., Gillett, F.C., Nolt, I.G. Spatially resolved infrared observations of Saturn. III. 10- and 20-μm disk scans at B′=−11°.8 9—84741
Tokunaga, A.T., Knacke, R.F., Ridgway, S.T., Wallace, L. High-resolution spectra of Jupiter in the range 744-980 inverse centimeter spectral range 9—96947
Tokunaga, A.T. *see* Thompson, R.J. 9—92828
Tokunaga, O. *see* Suzuki, N. 9—79423
Tokunaga, Y., Morishige, M. The aging reaction of the evolution peak at 470°C by calorimetric analysis in 18%Ni maraging steel 9—100156
Tokunaga, Y. *see* Takaki, S. 9—100157
Tokunov, A.I. *see* Gladkovskii, I.P. 9—98927
Tokuoka, T. Prandtl-Reuss plastic material with scalar and tensor internal variables 9—68589
Tokuoka, T. Nonlinear acoustoelasticity of isotropic elastic materials 9—72740
Tokutaka, H., Nishimori, K., Takashima, K. Introduction of a calibration line for composition determination of a binary alloy by Auger electron spectroscopy (quantitative formalism) 9—56892
Tokuwame, M. *see* Mori, H. 9—100224
Tokuya, A. *see* Hirayama, T. 9—80292
Tokuyama, A., Shimozi, H. Chemical study on river water and flux of it in northern Okinawa Honto 9—96782
Tokuyama, M. *see* Mori, H. 9—75445
Tokuyama, T. *see* Miyao, M. 9—55793, 9—69132
Tokuyama, T. *see* Tamura, H. 9—86808
Toland, J.F. A duality principle for non-convex optimisation and the calculus of variations 9—71237
Tolba, M.F., Wahab, S.A., Salem, A.M. On the diurnal variation coefficients of the nucleonic component of cosmic rays 9—75060
Tolcheev, V.N. *see* Andreev, V.A. 9—97363
Tolchelnikova-Murri, S.A., Varin, M.P. The observational program of the Pulkovo Observatory expedition to the Equator 9—96892
Tolchelnikova-Murri, S.A. *see* Kreinin, E.I. 9—96890
Tolchenkov, D. *see* Hough, G. 9—85678
Tolchinskaya, O.E., Ponyatenko, N.A., Grinberg, S.D. Features of the depolarization of some organic fluids 9—95703
Toldeo, A.Szanto De *see* Szanto De Toldeo, A.
Toledo, A.Szanto de *see* Szanto de Toledo, A.
Toledo-Morrell, L.de *see* de Toledo-Morrell, L.
Tolentino, L.U. *see* Wren, A.G. 9—79288
Tolev, M. *see* Mavrodiev, G. 9—56954
Tolfree, D.W.L. *see* Armitage, B.H. 9—76249
Tolfree, D.W.L. *see* Tait, N.R.S. 9—76240
Tolg, G. *see* Haessner, F. 9—96037
Tolhoek, H.A. *see* van Driel, J. 9—80774
Tolk, N.H., Tully, J.C., Kraus, J.S., Heiland, W., Neff, S.H. Polarization from grazing-incidence collisions of protons on a nickel single crystal 9—63951
Tolk, N.H. *see* Taglauer, E. 9—89762
Tolk, N.H. *see* Tsong, I.S.T. 9—65930
Tolkachev, A.M. *see* Manzhelii, V.G. 9—65228
Tolkachev, V.A. *see* Blokhin, A.P. 9—54889
Tolkatchev, V.A. *see* Bol'shakov, B.V. 9—74352
Tolkiehn, G. *see* Rabe, P. 9—51043, 9—91532
Tolksdorf, W. Preparation and imperfections of magnetic materials with garnet structure 9—100031
Tolksdorf, W., Welz, F. Crystal growth of magnetic garnets from high-temperature solutions 9—69973
Toll, K. *see* Leja, E. 9—90914
Toll, M.O. Temperature-control system for biological preparations 9—57830
Tolle, K.-H. *see* Wadynski, A. 9—92335
Tollenboom, J.P. *see* Vandenborre, H. 9—74396
Tolles, W.M. *see* Devlin, J.C. 9—71179
Tollestrup, A.V. *see* Wake, M. 9—68087
Tolley, M.D. *see* Janssens, P. 9—64538
Tolmachev, S.T. The integral equations of magnetostatics 9—72453
Tolmachev, Yu.A. *see* Bagaev, S.A. 9—54954
Tolmachev, Yu.A. *see* Kartazaev, V.A. 9—72414
Tolmacheva, A.V. *see* Belikovich, V.V. 9—75074
Tolman, B.L. *see* Gottula, R.C. 9—49734
Toloknov, N.A. *see* Aleksandrov, A.S. 9—82637
Tolokonnikov, G.K. Hamiltonian algebras 9—97537
Tolokonnikov, S.V. *see* Fayans, S.A. 9—97660
Tolokonnikov, S.V. *see* Sapershtein, E.E. 9—75840
Tolonen, K. *see* Appleby, P.G. 9—74916
Tolpadi, S. *see* Mehrotra, S.N. 9—73243
Tolpadi, S. *see* Singh, M. 9—99290
Tolpadi, S.K. *see* Gupta, P.N. 9—68928
Tolparov, Yu.N. *see* Vikhnin, V.S. 9—69714
Tolpygo, K.B., Shtaerman, E.Ya. Structure of NaCl conduction bands from first principles 9—65379
Tolpygo, K.B. *see* Kudykina, T.A. 9—78114
Tolpygo, K.B. *see* Reznik, I.M. 9—69055
Tolsma, L.D. Solving coupled equations by iteration for heavy ion multiple Coulomb excitation 9—93654
Tolstaja, S.N. *see* Kusnezow, W. 9—100365
Tolstikhin, V.I. *see* Romanov, A.B. 9—64287
Tolstikov, G.I. *see* Grebenik, V.M. 9—98667
Tolstoguzov, V.B. *see* Tsitsishvili, V.G. 9—51290
Tolstoi, A.V. *see* Gitgarts, M.I. 9—100179
Tolstoi, V.P. *see* Kuznetsova, G.N. 9—71543
Tolstoluzhsky, A.P. On nonlinear theory of electron beam interaction with plasma cavity 9—50867
Tolstorozhev, G.B. *see* Tikhomirov, S.A. 9—85984
Tolstov, K.D. Search for superheavy elements in nature 9—84277
Tolubinskii, V.I., Kichigin, A.M., Povsten', S.G. Critical heat flux density in boiling water in conditions of free motion 9—68560
Tolubinskiy, V.I., Antonenko, V.A., Ostrovskiy, Yu.N. Breakup of non-flowing boiling liquid films 9—94468
Tolubinskiy, V.I., Ostrovskiy, Yu.N., Pisarev, V.Ye. Thermal state of heated surface in boiling produced by a steep rise in applied heat flux 9—81690
Tolun, P. *see* Angelini, C. 9—67548
Tolutis, R.B. *see* Pozhera, R.Yu. 9—65486
Tolutis, V.B., Yasutis, V.V., Lisauskas, V.S., Paukshte, Yu.A., Davidenene, D.K. Amorphous state of thin films of the systems Ga-Te and In-Te 9—56335
Tom, J.L. The use of compact cyclotrons for producing fast neutrons for therapy in a rotatable isocentric gantry 9—57756
Tom, Kh. *see* Vertogradov, L.S. 9—68166
Tom, R.D. *see* Mackenthun, M.L. 9—62192
Tom, S.K.S., Hauptmann, E.G. The feasibility of cooling heavy-water reactors with supercritical fluids 9—76064
Tomabechi, K. Past and present role of fast breeder reactors in Japan 9—97889
Tomabechi, K., Miki, R. Future plans for the design and construction of fast reactor power stations in Japan 9—97801
Tomar, M.S. Modified ellipsometry applied to organic films 9—91512
Tomas, A., Guittard, M., Rigoult, J., Bachet, B. Crystallographic study of the system FeS-Sc_2S_3 preparations and structures of $FeSc_2S_4$ and $Fe_{0.85}Sc_{2.10}S_4$ 9—60335
Tomas, A. *see* Rigoult, J. 9—68973
Tomas, I. *see* Simsova, J. 9—82848
Tomas, M. *see* Debarvat, S. 9—70982
Tomasch, W.J. *see* Khim, Z.G. 9—56397
Tomaschewski, H. *see* Geppert, R. 9—94424
Tomasek, M., Pick, S. A comment on surface states of the LaB_6 (001) face 9—56278
Tomasello, P. *see* Baldo, M. 9—63901
Tomasetta, L.R., Bicknell, W.E., Bates, D.H. 100 W average power 10.6 μm isolator based on the interband Faraday effect in InSb 9—59706
Tomasetta, L.R., Law, H.D., Nakano, K. Avalanche photodiodes for long wavelengths 9—54188
Tomasetta, L.R. *see* Law, H.D. 9—80682
Tomasevich, O.F. *see* Kucher, T.I. 9—51279
Tomashefsky, P. *see* Rivin, B.D. 9—83874
Tomashevskii, N.A. *see* Gun'ko, L.P. 9—57008
Tomashevskii, N.A. *see* Razumov, O.N. 9—67364
Tomashevskii, Yu.F. *see* Pomeranskii, A.A. 9—71517
Tomashik, V.N. *see* Oleinik, G.S. 9—52179
Tomashov, V.N. *see* Bashkin, A.S. 9—89903
Tomashpol'skii, Yu.Ya., Boikova, E.I., Rozenman, G.I., Sevost'yanov, M.A. Exoelectron emission from ferroelectric films 9—74069
Tomashpol'skii, Yu.Ya., Lubnin, E.N., Sevost'yanov, M.A. The nature of the surface layers of ferroelectric films 9—66391
Tomashpol'skii, Yu.Ya. *see* Levchenko, I.S. 9—95540
Tomashpol'skii, Yu.Ya. *see* Pentegova, M.V. 9—100066
Tomashpol'skii, Yu.Ya. *see* Sevost'yanov, M.A. 9—95290
Tomasi, J. *see* Cimiraglia, R. 9—59424
Tomasi, P. *see* Bonsignori-Facondi, S.R. 9—88717
Tomasko, T.M. *see* Ducar, R.J. 9—76214
Tomassetti, G. *see* Lucari, F. 9—99914
Tomassi, W. *see* Raabe, J. 9—78916
Tomassini, M. *see* Marchetti, R. 9—76692
Tomaszewicz, A. *see* Slowinski, B. 9—80957
Tomaszewicz, P. *see* Sakiyama, M. 9—83376
Tomaszewski, A. *see* Baiburina, S.G. 9—80156, 9—80170
Tomaszewski, A. *see* Beljawska, H. 9—84613
Tomaszewski, A. *see* Wrotniak, J. 9—80157
Tomaszewski, K. *see* Orlos, Z. 9—64609
Tomberger, G. *see* Polanschutz, W. 9—52547
Tombesi, P. *see* de Pasquale, F. 9—80557
Tomboulis, E. *see* Banks, T. 9—97515
Tombrello, T.A. *see* Bacher, A.D. 9—85482
Tombs, F. 25 years of nuclear power 9—71901
Tomchuk, E. *see* Dong, R.Y. 9—90529
Tomchuk, P.M. *see* Pinchuk, I.I. 9—51617
Tomchuk, P.M. *see* Tarasenko, A.A. 9—51644
Tomczyk, S. *see* Sion, E.M. 9—75203
Tome, C.N., Monti, A.M., Savino, E.J. Vacancy and interstitial configuration in hexagonal close packed metals 9—65071
Tomei, F., Wirth, A. The electroretinogram of albinos 9—53099
Tomek, C., Svancara, J., Budik, L. The depth and the origin of the West Carpathian gravity low 9—88230
Tomenko, Yu.S. *see* Khristenko, I.N. 9—50657
Tomeoka, K. *see* Ohmasa, M. 9—99147
Tomescu, M. *see* Batca, A. 9—74463
Tomic, S. *see* Bilijakovic-Franulovic, K. 9—51253
Tomic, S. *see* Biljakovic-Franulovic, K. 9—55897
Tomikawa, Y., Sugawara, S., Konno, M. Finite element analysis of displacement at base portion of a quartz crystal tuning fork 9—68470
Tomikawa, Y. *see* Konno, M. 9—68469, 9—81615
Tomilin, M.G. *see* Lebedev, V.I. 9—89025
Tomilin, N.V., Barenfeld, L.S. Excision repair of gamma-ray-induced alkali-stable DNA lesions with the help of γ-endonuclease from Micrococcus luteus 9—92145
Tomilov, F.Kh., Vorotnikov, E.V., Limanskii, E.I. Poisson's ratio in prestrained steel 9—70103
Tomilov, N.P. *see* Morozkova, V.E. 9—52780
Tomimasu, T. Electron bombardment effect on the breakdown voltage of Zener diodes [particle detector applications] 9—95472
Tomimuro, S. *see* Okabe, N. 9—61703
Tomin, V.I. *see* Gulis, I.M. 9—54884
Tomin, V.I. *see* Nemkovich, N.A. 9—78748
Tominaga, H., Tachikawa, N. Modified optimization of the cycle period in cyclic activation analysis 9—66389
Tominaga, H. *see* Enomoto, S. 9—75491
Tominaga, T. *see* Minai, Y. 9—66433, 9—66688
Tominaga, Y. *see* Nakamura, T. 9—95774
Tomioka, Y. *see* Abe, S. 9—63734
Tomisawa, M. *see* Matsukura, Y. 9—81785
Tomishima, K. *see* Tsukada, N. 9—76634, 9—94339
Tomita, A. Phase conjugation using gain saturation of a Nd:YAG laser 9—64272
Tomita, A. *see* Hopf, F.A. 9—89956
Tomita, H., Murakami, C. Metastability and anomalous fluctuations in far-from-equilibrium states of spin systems 9—80561
Tomita, K., Kai, T. Chaotic behavior of deterministic orbits: the problem of turbulent phase 9—80518
Tomita, K., Tsuda, I. Chaos in the Belousov-Zhabotinsky reaction in a flow system 9—77293
Tomita, K. *see* Daido, H. 9—66338
Tomita, K. *see* Kai, T. 9—57225
Tomita, K.-I. *see* Ishida, T. 9—73156
Tomita, M., Yasuura, K. Numerical analysis of plane wave scattering from dielectric cylinders 9—55057
Tomita, M. *see* Dote, Y. 9—84015
Tomita, M. *see* Futagami, T. 9—57497
Tomita, M. *see* Hirama, T. 9—50788
Tomita, T. *see* Muroyama, K. 9—50790
Tomita, Y. Introduction to solid mechanics. VII. Energy principles and finite element formulation 9—80437
Tomita, Y. Fundamentals of fluid dynamics. I 9—97210
Tomita, Y., Shima, A. The effects of heat transfer on the behavior of a bubble and the impulse pressure in a viscous compressible liquid 9—98794
Tomita, Y., Shimbo, T., Ishibashi, Y. Experimental studies of viscoelastic fluid flow 9—60035
Tomita, Y., Takeuchi, T., Abe, T., Watazu, H. Optimal timings and number of observations with cost of discrete linear control systems 9—88026
Tomitani, T. *see* Tanaka, E. 9—66522
Tomiyama, K. *see* Pierluissi, J.H. 9—58095, 9—76400
Tomiyama, T. *see* Takeuchi, T. 9—66435
Tomiyasu, H. *see* Ikeda, Y. 9—81214
Tomiyasy, K. Passive and active microwave sensors in satellites for remote sensing of the earth 9—80060
Tomizawa, F. *see* Murata, F. 9—59185
Tomizawa, H. *see* Kurosu, S. 9—96842
Tomizawa, I. *see* Imai, K. 9—70988
Tomizuka, I. X-ray and electron-microscopic study on interaction between tetra-(octadecyl) titanate and carbon fibres 9—74280
Tomizuka, I. *see* Oya, A. 9—77466
Tomkiewicz, Y. Temperature dependence of spin relaxation in quasi-one-dimensional organic metals 9—73802
Tomkin, J. Secondaries of eclipsing binaries. II. U Sagittae 9—97025
Tomkin, J. *see* Batten, A.H. 9—84825
Tomkins, B. Role of mechanics in corrosion fatigue 9—79168
Tomkins, R.P.T. *see* Janz, G.J. 9—60531, 9—92090
Tomkinson, J. *see* Howard, J. 9—89800
Tomkinson, J. *see* Renouprez, A.J. 9—69353
Tomley, L.J. Bode's law and the 'missing moons' of Saturn 9—58480
Tomlin, R.L. *see* Laird, J.C. 9—96494
Tomlinson, E.T. *see* Han, J.T. 9—54547
Tomlinson, G.R. Force distortion in resonance testing of structures with electro-dynamic vibration exciters 9—81779
Tomlinson, G.R., Hibbert, J.H. Identification of the dynamic characteristics of a structure with coulomb friction 9—94535

Tomlinson, L. *see* Hurdus, M.H. 9−70204
Tomlinson, P.G. Theory of transport properties of pure, single crystal zinc 9−69489
Tomlinson, P.G., Swihart, J.C. Calculation of the cyclotron mass and superconducting energy gap as a function of Fermi surface position in zinc 9−69625
Tomlinson, R.D. *see* Thwaites, M.J. 9−87416
Tomlinson, R.W. The supply from rainfall of four elements to an area of northeast Rhodesia 9−57988
Tomljanovich, N.M., Long, R.J. Satellite-referenced ionospheric propagation correction for USAF SPACETRACK radars 9−58131
Tommasino, L. *see* Griffith, R.V. 9−63818
Tomoda, T. *see* Wakayama, N. 9−76112
Tomosov, A.P., Andreev, G.B., Lutsik, V.A., Shchagin, A.V. Study of vector analysing power of $^{28}Si(d,p)^{29}Si$ reaction in the energy range E_d=1.8-3.0 MeV 9−49617
Tomov, A.N. U, B, V observations of double spiral galaxies 9−62914
Tomov, I. Method for X-ray determination of twin fault probability in cubic metals with fibre texture 9−87817
Tomov, I. *see* Stoychev, D.S. 9−66221
Tomov, I. *see* Vitkova, S. 9−65334
Tomozawa, M. DC conductivity and dielectric loss peak frequency 9−78621
Tomozawa, M., Cordaro, J., Singh, M. Low frequency dielectric relaxation from complex impedance and complex electric 'modulus' 9−82922
Tomozawa, M., Kerwawycz, J.P. Depolarized light scattering from a phase-separated glass 9−87452
Tomozawa, M., Takamori, T. Relation of surface structure of glass to HF acid attack and stress state 9−100276
Tomozawa, M. *see* Takamori, T. 9−99343
Tomozawa, Y. Comment on the magnetic moments of baryons in the broken-SU(6)-symmetry model 9−49417
Tomozawa, Y. *see* Levine, R. 9−49477, 9−49488
Tomozov, V.M. *see* Altyntsev, A.T. 9−101135
Tompa, K. Examples from present-day NMR results on metals and alloys 9−73830
Tompkins, B.E. *see* Crandall, R.S. 9−100526
Tompkins, F.C. Chemisorption of gases on metals 9−69370
Tompkins, H.G. Preferential sputtering in gold-nickel and gold-copper alloys 9−83080
Tompkins, H.G. *see* Pinnel, M.R. 9−70202, 9−79154
Tompkins, J. *see* Chestnut, R. 9−89531
Tompkins, J. *see* Manson, J.R. 9−95893
Tompkins, M.A. *see* Braman, R.S. 9−79416
Toms, D.J., Scott, J.F., Nakashima, S. Spin-flip acceptor scattering in ZnTe. II. Lithium and sodium 9−61380
Toms, D.J. *see* Scott, J.F. 9−73928
Toms, D.J. *see* Zvirgzds, J.A. 9−56795
Tomsinskii, V.S. *see* Ivanov, A.S. 9−79105
Tomtiev, D.S. *see* Musaev, A.A. 9−56248
Tomzig, E. *see* Kurtze, G. 9−61424
Ton-That, D. *see* Fielder, W., Jr. 9−59401
Tonachini, G. *see* Bernardi, F. 9−97999
Tonali, P. *see* Borgioli, M. 9−79520
Tonami, N. *see* Aburano, T. 9−100720
Tonarelli, L. *see* Bragagnoli, F. 9−97782
Tonchev, N.S. *see* Brankov, J.G. 9−63124
Toncheva, L.T., Vassilev, I.S. The bending of silicon wafers by thin polycrystalline silicon film deposition and by film doping using boron diffusion 9−95276
Tondello, G. The use of toroidal mirror as a focusing element for a stigmatic grazing incidence spectrometer 9−71539
Tondello, G. *see* Cantu, A.M. 9−49973
Tondello, G. *see* Garifo, L. 9−75617
Tondello, G. *see* Jannitti, E. 9−73041
Tondello, G. *see* Malvezzi, A.M. 9−50889
Tondeur, F. Self-consistent study of the surface thickness of nuclear densities and single-particle potentials 9−85360
Tondinelli, L. *see* Gandini, A. 9−85712
Tondinelli, L. *see* Menapace, E. 9−85709
Tondl, A. A note to the stability of forced periodic response in third order non-linear systems 9−81763
Tone, T. Effects of particle confinement and recycling on thermally stable regions in D-T tokamak plasma 9−97900
Tone, T. *see* Sako, K. 9−76126
Toneev, V.D., Schmidt, R. A dynamic model for deeply inelastic collisions of heavy ions 9−80954
Tonegawa, S. *see* Sakano, H. 9−83701
Tonejc, A. *see* Vucic, Z. 9−55924
Tonelli, A.D., Nussberger, A.A. The design and evaluation of a 5 GW GaAlAs solar power satellite (SPS) 9−52892
Tonelli, A.M. Surface texture analysis with thermal and near infrared scanners 9−53554
Toneva, A. Effective mass of holes in $Pb_{1-x}Sn_xTe$ 9−65371
Toneva, A., Gancheva, V. Investigation of solid solutions $Pb_{1-x}Sn_xTe$ using a scanning electron microscope 9−69107
Tong, B.Y. *see* Pant, M.M. 9−83830
Tong, D.T.L., deLeeuw, J.H. Molecular velocity distribution function between differentially heated parallel plates 9−94663
Tong, S.Y., Li, C.H. Resonancelike peaks in angle-resolved ultraviolet photoemission of adsorbed species 9−87562
Tong, S.Y. *see* Li, C.H. 9−69955, 9−91567
Tong, S.Y. *see* Van Hove, M.A. 9−86971
Tong Fu *see* Wu Lian-Da 9−80207
Tong Lee Yum *see* Yum Tong Lee
Tong Ying-jie *see* Ge Yun-long 9−100110
Tong-Hoon Kim *see* Chan Gyung Park 9−90848
Tong-Ze Ruan *see* Ruan Tong-Ze
Tong-zi Yu *see* Yu Tong-zi
Tongson, L.L., Knox, B.E., Sullivan, T.E., Fonash, S.J. Comparative study of chemical and polarization characteristics of Pd/Si and Pd/SiO_x/Si Schottky-barrier-type devices 9−78173
Tongson, L.L. *see* Marusak, L.A. 9−91535
Tonin, R.F., Bies, D.A. Free vibration of circular cylinders of variable thickness 9−68620
Tonkonogii, Yu.L. *see* Bukreev, E.N. 9−87987
Tonkonogov, M.P., Mironov, V.A., Bulakh, V.I., Ligai, L.I. Cell for the measurement of electromechanical properties of solid dielectrics 9−93163
Tonkov, E.L. Linear second order equations with periodic coefficients 9−58528
Tonkov, E.Yu. *see* Abdikamalov, B.A. 9−95333
Tonkov, E.Yu. *see* Aptekar', I-L. 9−95334
Tonkov, E.Yu. *see* Rashchupkin, V.I. 9−69421
Tonkov, M.V. *see* Afanasev, A.D. 9−98101
Tonkov, V.Yu. *see* Zelenchuk, A.V. 9−63747
Tonks, D.L., Dick, B.G. Quadratic-coupling phonon-assisted defect-tunneling theory applied to the RbCl:Ag^+ off-center system 9−55849
Tonks, D.L., Dick, B.G. Small-polaron theory of phonon-assisted defect tunneling with quadratic defect-lattice coupling 9−73274
Tonn, D.G. *see* Matteson, S. 9−90690
Tonn, J.F. *see* Lewis, D.A. 9−72446
Tonna, G. *see* Corradini, C. 9−80013
Tonolini, F. *see* Possa, G. 9−76076
Tonomura, A., Endo, J., Matsuda, T. An application of electron holography to interference microscopy 9−54231
Tonomura, A., Matsuda, T., Endo, J. Spherical-aberration correction of an electron lens by holography 9−85203
Tonov, B.I. *see* Volchkov, L.G. 9−76091
Tonozuka, I., Arima, A. Surface α-clustering and α-decays of ^{212}Po 9−75926
Tons, E. *see* Ishai, I. 9−57188
Tontegode, A.Ya. *see* Abdullaev, R.M. 9−69362, 9−69366
Tonuma, T. *see* Uda, M. 9−59392
Tonutti, M. *see* Abrams, G.S. 9−89149, 9−89174
Tonwar, S.C. Proton-proton total cross section at cosmic ray energies 9−96868
Tonwar, S.C. *see* Goodman, J.A. 9−62697, 9−66897, 9−75065
Tonwar, S.C. *see* Macfall, J.R. 9−49549
Tonwart, S.C. *see* MacFall, J.R. 9−62698
Too, J.R. *see* Wang, R.H. 9−61529
Tool, G. *see* Brindza, P. 9−68085
Tool, G.S. *see* FLora, R.H. 9−72088
Toole, F.E. Hearing and listening−a look into the world of psychoacoustics. I 9−83792
Toole, F.E. Hearing and listening−a look into the world of psychoacoustics. II 9−83793
Toole, F.E. Hearing and listening. III. A look into the world of psychoacoustics 9−100623
Toombs, G.A. *see* Challis, L.J. 9−60441
Toombs, G.A. *see* O'Neill, J.H. 9−51582
Toone, R.J. Cryostat cold-finger support for shielded Ge gamma ray detectors 9−93868
Toorn, J.D.van der *see* van der Toorn, J.D.
Tooze, M.J. *see* Worthley, B.W. 9−88172
Top, Z.H. *see* Hoffman, D.K. 9−70299
Topa, V. *see* Birjega, M.I. 9−61516, 9−77961, 9−82496
Topalian, J.H., Maguire, J.F., McTague, J.O. Liquid Cl_2 dynamics studied by depolarized Raman and Rayleigh scattering 9−99867
Topchiyan, M.E. *see* Nikolaev, Yu.A. 9−100379
Toperverg, B.P., Runov, V.V., Gukasov, A.G., Okorokov, A.I. The investigation of double critical magnetic scattering in polarized neutron experiments 9−65652
Topic, M., Luic, M. A qualitative test for detection of ferroelectricity in crystalline powder 9−87399
Topich, J.A. Temperature sensitivity of ion-implanted MOS capacitors 9−78181
Topiol, S., Moskowitz, J.W., Melius, C.F. Atomic coreless Hartree-Fock pseudopotential for atoms Li through Ne 9−68188
Topiol, S. *see* Basch, H. 9−93933
Topiol, S. *see* Zunger, A. 9−59328
Topka, K. *see* Giacconi, R. 9−70941
Topka, K. *see* Gorenstein, P. 9−62918
Topler, J. *see* Lebsanft, E. 9−65243
Topnikov, V.N. *see* Merzhanov, V.A. 9−99537
Topol, R., Krynicki, K., Powles, J.G. Nuclear spin relaxation in molecular fluids near the critical point 9−73842
Topolkaraev, V.A., Pavlova, A.K., Startsev, V.M., Berlin, Al.Al., Prut, E.V., Zelenetskii, A.N., Ogarev, V.A., Enikolopyan, N.S. The effect of temperature on the strength and deformation characteristics of crosslinked polymers based on epoxy oligomers 9−65139
Topolsky, J. *see* Grone, K. 9−49890
Toporets, A.S. Determination of the dimensions of the roughness of an opaque polished surface 9−49274
Toporov, V.G. *see* Altukher, G.M. 9−98637
Toporov, V.V. *see* Bairamov, B.Kh. 9−68418
Toporov, Yu.P. *see* Klyuev, V.A. 9−65981
Topp, M. *see* Lin, H.B. 9−83473
Topper, T.H. *see* Abdel-Raouf, H. 9−61717
Topper, T.H. *see* El Haddad, M.H. 9−68655
Topsoe, H. *see* Clausen, B.S. 9−49357, 9−61284
Toptyghin, I.N. *see* Batyghin, V.V. 9−98238
Toptygin, I.N. *see* Vasil'ev, V.N. 9−80119
Topuria, T.P. *see* Boos, E.G. 9−89203
Topuriya, T.P. *see* Boos, E.G. 9−67611
Topuz, E. *see* Yazgan, B. 9−80018
Torber, R. *see* Holste, C. 9−96095
Torbert, R.B. *see* Mozer, F.S. 9−70930
Torbett, R.B. *see* Cattell, C. 9−100999
Torbit, C.A. *see* Edmonds, P.D. 9−96610
Torchinskii, Yu.M. *see* Volkova, G.A. 9−57577
Torchun, N.M. *see* Maksimenko, Yu.N. 9−56092
Tordjman, I. *see* Averbuch-Pouchot, M.T. 9−77560
Torell, L.M., Knape, H.E.G. Measurement of the hypersonic velocity in the molten salts NaCl and KCl 9−82288
Torell, L.M. *see* Aronsson, R. 9−99897
Torgersen, T. Isotopic composition of river runoff on the US east coast: evaluation of stable isotope versus salinity plots for coastal water mass identification 9−100879
Torgova, S.I. *see* Karamysheva, L.A. 9−86685
Torguet, R. *see* Belannoy, B. 9−98520
Torguet, R. *see* Delannoy, B. 9−81638
Torguet, R. *see* Haine, F. 9−86311
Torguet, R. *see* Nongaillard, B. 9−76922
Torguet, R. *see* Rouvaen, J.M. 9−99850
Toribaba, T.Y. Preparation of very high specific activity [^{3}H]-methyl acetimidate for protein labelling 9−53246
Torii, C., Tsukiji, Y., Kobayashi, S., Yoshimi, N., Tanaka, H., Enome, S. Full-automatic radiopolarimeters for solar patrol at microwave frequencies 9−101065
Torii, C. *see* Ishiguro, M. 9−101066
Torii, C. *see* Shibasaki, K. 9−101134
Torii, S. *see* Akashi, M. 9−63562
Torii, S. *see* Ohta, I. 9−49905
Torii, T. *see* Matsubaya, O. 9−74911
Torikai, K. *see* Futamura, Y. 9−49706, 9−66204
Torikai, T. *see* Yuasa, T. 9−81444
Torikoshi, K. *see* Seki, N. 9−55380
Torisaka, Y. Effect of elastic limit on stress relaxation of metals 9−98632
Torisaka, Y. *see* Kihara, J. 9−70088
Toriu, T. String model and multi-hadron production in e^+e^- annihilation 9−58946
Toriwaki, J. *see* Hasegawa, J. 9−57761, 9−88183
Toriyama, K., Iwasaki, M., Nunome, K. ESR studies of irradiated methane and ethane at 4.2K and mechanism of pairwise trapping of radicals in irradiated alkanes 9−100412
Toriyama, K., Suzuki, K., Nakagomi, T., Ishibashi, T., Odawara, K. A design of liquid crystal material for multiplexed liquid crystal display 9−90533
Toriyama, K. *see* Kevan, L. 9−73853
Torizuka, K. Present and future in nuclear medicine 9−70610
Torizuka, K. *see* Yokoyama, A. 9−53228
Torklep, K., Oye, H.A. An absolute oscillating-cylinder (or cup) viscometer for high temperatures 9−82003
Torklep, K. *see* Brockner, W. 9−82368, 9−82369
Torlin, B.Z. Radial reactor stability and automatic regulator 9−97838
Torlin, B.Z. *see* Afanas'ev, A.M. 9−63714, 9−63741
Torma, A.E., Inal, O.T. Reduction of stibnite by hydrogen 9−66023
Torma, A.E. *see* Inal, O.T. 9−95291
Tormala, P. *see* Rautavuori, J. 9−83145
Torne, A. *see* Wennerstrom, P. 9−51383
Tornig, W. *see* Ansorge, R. *(editor)* 9−92930
Tornow, V. *see* Drechsel, D. 9−71818
Tornqvist, N.A. *see* Kinnunen, R. 9−49487
Tornyov, A.P. *see* Bratanov, K.T. 9−66463
Toro, D.M.Di *see* Di Toro, D.M.
Toro, M.di *see* di Toro, M.
Toro, M.Di *see* Di Toro, M.
Torochkov, V.Yu., Zhilkin, A.M., Ploshai, L.L., Ilyukhin, V.A., Shereshev, A.B., Zagorel'skii, V.I. Stabilization of the sensitivity of the lateral motion analyzer along the ranging line 9−72694
Torok, E., Hausch, G. Search for Invar-like magnetoelastic behaviour in Fe-Ni based metallic glasses 9−56596
Torok, E., Hausch, G. Bulk modulus anomaly of Fe-Ni and Fe-Pt invar alloys 9−91728
Torok, E. *see* Hausch, G. 9−56502
Torok, E.J. *see* Kamin, M. 9−78483

Torok, E.J. *see* Lo, D.S. 9−78484
Torok, I. *see* Szabo, K. 9−52989, 9−86290
Toropin, A.N. *see* Apel', V.D. 9−67609
Toropin, A.N. *see* Apel, W.D. 9−58978, 9−75800, 9−89195
Toropov, A.I. *see* Astakhov, V.M. 9−65340
Toropov, Yu.S. *see* Gil'derman, V.K. 9−82478
Toros, R. *see* Polinszky, K. 9−91953
Torosyan, H.T. *see* Mavrodiev, S.Shch. 9−80859
Torosyan, O.S. *see* Samuelyan, A.A. 9−95638
Torquati, G. *see* Albertini, G. 9−95136
Torquato, J.R., Ferreira Da Silva, A.T.S., Cordani, U.G., Kawashita, K. Geological evolution of the moving 'Quipungo' belt in Western Angola 9−70796
Torr, D.G. Refinement of the aeronomically determined rate coefficient for the reaction of N_2^+ with O 9−75000
Torr, D.G., Donahue, K., Rusch, D.W., Torr, M.R., Nier, A.O., Kayser, D., Hanson, W.B., Hoffman, J.H. Charge exchange of metastable ^2D oxygen ions with molecular oxygen: a new source of thermospheric O_2^+ ions 9−58141
Torr, D.G., Torr, M.R., Brinton, H.C., Brace, L.H., Spencer, N.W., Hedin, A.E., Hanson, W.B., Hoffman, J.H., Nier, A.O., Walker, J.C.G., Rusch, D.W. An experimental and theoretical study of the mean diurnal variation of O^+, NO^+, O_2^+, and N_2^+ ions in the mid-latitude F_1 layer of the ionosphere 9−96856
Torr, D.G., Torr, M.R., Hanson, W.B., Hoffman, J.H. Determination of the sources and sinks of N^+ ions in the thermosphere 9−96848
Torr, D.G. *see* Waite, J.H. 9−80068
Torr, M.R. *see* Torr, D.G. 9−58141, 9−96848, 9−96856
Torra, V. *see* Cesari, E. 9−88956
Torra, V. *see* Macqueron, J.L. 9−98590
Torralba, M., Aballe, M., Regidor, J.J. Ageing behaviour of cast Pb-Sb battery grids 9−100517
Torrance, J.B., Scott, B.A., Welber, B., Kaufman, F.B., Seiden, P.E. Optical properties of the radical cation tetrathiafulvalenium (TTF^+) in its mixed-valence and monovalence halide salts 9−61399
Torrance, J.D. Upper windflow patterns in relation to rainfall in south-east central Africa 9−84460
Torrance, K.E. Numerical approaches to solid-state convection in planetary bodies 9−84693
Torre, E.Della *see* Della Torre, E.
Torre, G. *see* Gottarelli, G. 9−86683
Torre, J.P. *see* Grand, G. 9−74136
Torrence, M.H. *see* Smith, D.E. 9−79786
Torrence, R.J. *see* Couch, W.E. 9−54025
Torres, C. Comet Torres (1979e) 9−71001
Torres, C., Marsden, B.G. Comet Torres (1979e) 9−75160
Torres, C. *see* Anguita, C. 9−75284
Torres, C.A. *see* Murdin, P. 9−92783
Torres, J.A.Damia *see* Damia Torres, J.A.
Torres-Peimbert, S. *see* Boggess, A. 9−71149
Torres-Villasenor, G., Avalos-Borja, M., Radcliffe, S.V. Inversion domains and the mechanical properties of gamma-2 (Cu-Al) intermetallic compound 9−61599
Torrey, L. The week they almost lost Pennsylvania 9−89398
Torri, A. *see* Grimm, F. 9−49755
Torriani, I.C.L. *see* da Silva, E.C. 9−91476
Torrie, B.H. *see* Carr, R. 9−87425
Torrie, G.M., Barrett, J., Whittington, S.G. Excluded volume effects between two adsorbed polymers: A Monte Carlo study 9−95259
Torrie, G.M., Valleau, J.P. A Monte Carlo study of an electrical double layer 9−96315
Torrie, G.M. *see* Ng, K.-C. 9−99293
Torrie, G.M. *see* Patey, G.N. 9−86665
Torronen, K. *see* Sundstrom, O. 9−70261
Torruella, A.J. *see* Botzian, R. 9−93437
Torstenfelt, B. *see* Allard, B. 9−79415
Torsti, J.J. *see* Nieminen, M. 9−49555
Tortorelli, P.F., Altstetter, C.J. Sputtering of two-phase polycrystalline metals 9−87545
Tortschanoff, T. *see* Billan, J. 9−72049
Torven, S., Andersson, D. Observations of electric double layers in a magnetised plasma column 9−55555
Tory, E.M. *see* Gotoh, K. 9−58639
Tory, E.M. *see* Kamel, M.T. 9−59988
Tory, E.M. *see* Pickard, D.K. 9−86663
Tosa, Y. *see* Okubo, S. 9−97511
Tosatti, E. *see* Burstein, E. 9−51960
Tosatti, E. *see* de Crescenzi, M. 9−95870
Tosatti, E. *see* Fazekas, P. 9−78141
Tosatti, E. *see* Giuliani, G. 9−90966
Tosatti, E. *see* Tagliacozzo, A. 9−91009
Toschek, P.E. *see* Cahuzac, P. 9−93954
Toscher, M.M., Rupp, R.R. A study of the central auditory processes in stutterers using the Synthetic Sentence Identification (SSI) Test battery 9−96586
Tosello, C. *see* Lo Russo, S. 9−74261
Tosetti, R.J. Gaseous waste treatment 9−54570
Toshima, N. Charge transfer processes involving highly excited hydrogen atoms. II. Numerical results by the Born approximation 9−59552
Toshima, N. Charge transfer processes involving highly excited hydrogen atoms. III. The perturbed stationary state method 9−89770
Toshniwal, G.R. Status of medical electronics as an industry 9−96675
Tosi, E. *see* Pellacani, C. 9−53451, 9−60048
Tosi, M.P. *see* Giuliani, G. 9−90966
Tosi, M.P. *see* March, N.H. 9−51122
Tosi, M.P. *see* Nobile, A. 9−65397
Tosi, M.P. *see* Parrinello, M. 9−60243, 9−85057
Tosi, M.P. *see* Rovere, M. 9−60258, 9−82327
Tosi, O.I. *see* Dubes, R. 9−98565
Tosic, B. *see* Hadziahmetovic, D. 9−51493
Tosic, B. *see* Maksimovic, R. 9−82734
Tosic, B.S. *see* Maksimovic, R. 9−54780, 9−82528
Tosic, M.M. The calculation of range distribution of implanted dopants in GaAs and GaP 9−55760
Tosic, T. *see* Tjapkin, D. 9−56215
Tossell, J.A. Comment on 'Significant difference between Hartree-Fock and local-exchange energy bands for TiO' 9−77980
Tossell, J.A. A SCF Xα MO study of the optical and Ti 2p core photoemission spectra of $TiCl_4$ 9−94032
Tosser, A.J. *see* Tellier, C.R. 9−78222, 9−78224, 9−91162, 9−95516, 9−95517
Tossman, B.E., Thayer, D.L., Swartz, W.A. An underwater towed electromagnetic source for geophysical exploration 9−74971
Tosson, M. *see* Badr, Y.A. 9−82333
Tosswill, C.H. *see* Entine, G. 9−49351
Tostevin, J.A., Johnson, R.C. Corrections to conventional sub-Coulomb stripping calculations of tensor analysing powers 9−80918
Tosto, S. *see* Lo Russo, S. 9−74261
Toten, A. *see* Button, T.M. 9−49975
Toten, A. *see* McDaniel, F.D. 9−69907
Totev, T.L., Apostolov, T.G., Stefenova, S.J. Maximum temperature determination in the fuel elements of the WWER-1000 reactors 9−85694
Totev, T.L., Sabotinov, L.S., Petkov, B.T., Apostolov, T.G. A program module for thermohydraulic evaluations of a WWER reactor fuel assembly 9−85695
Toth, J. Grange-Kiefer transformation applied to metallic glass crystallisation 9−73105
Toth, J. Gravity-induced cross-formational flow of formation fluids, red earth region, Alberta, Canada: analysis, patterns, and evolution 9−84317
Toth, J. *see* Kovacs, A.B. 9−62310
Toth, K. *see* Susuki, Y. 9−97530
Toth, K.S., Bingham, C.R., Carter, H.K., Ritchie, B.G., Sousa, D.C., Zolnowski, D.R. Decay of the high-spin isomers in ^{150,151,152}Ho 9−89241
Toth, K.S., Ijaz, M.A., Bingham, C.R., Riedinger, L.L., Carter, H.K., Sousa, D.C. Anomalous α-decay rate of ^{192}Pb 9−67721
Toth, K.S. *see* Ellis, Y.A. 9−93516
Toth, L. Note on the work-hardening of metals 9−61608
Toth, L., Kazakova, L.P. Transient photocurrent shape in a-As_2Se_3 films using gold contact in drift mobility experiment 9−99582
Toth, L. *see* Barna, A. 9−82487
Toth, L.E. *see* Buitrago, R. 9−56401
Toth, L.E. *see* Buitrago, R.H. 9−56084, 9−56344
Totia, H. *see* Georgescu, S. 9−54199
Totieva, T.Ts. *see* Andrukhiv, M.G. 9−91076
Totsuji, H. Cluster expansion for two-dimensional electron liquids 9−55461
Totsuji, H. Lower bounds for thermodynamic quantities of two- and three-dimensional one-component plasmas 9−68905
Totsuji, H. Lower bounds for thermodynamic quantities of d-dimensional classical one-component plasmas with d-dimensional Coulomb interactions (d=1, 2, and 3) 9−82042
Totsuji, H., Kakeya, H. Longitudinal properties of two-dimensional classical electron liquids 9−98897
Totsuji, H. *see* Nagano, S. 9−78028
Totterdell, D.H.J. *see* Hodgkinson, J.Z. 9−93878
Touchard, F. *see* Epherre, M. 9−54383
Toudic, Y. *see* Poignant, H. 9−77539
Tougaard, S. *see* Morgen, P. 9−65528
Tougaard, S. *see* Onsgaard, J. 9−65299
Tougard, P. *see* Gabbarro-Arpa, J. 9−88048
Tough, J.T., Ladner, D.R., Piotrowski, C. Self-preserving structures in homogeneous superfluid turbulence 9−55962
Tough, R.J.A., Raynes, E.P. The capacitance response of a homogeneous parallel aligned nematic sample to electric and magnetic fields 9−90545
Tough, R.J.A., Stone, A.J. Molecular light scattering—a spherical tensor approach 9−72372
Tough, R.J.A. *see* Raynes, E.P. 9−94894
Tougou, H. Stability of a two-layer film flow of viscous fluids down an inclined plane 9−90222
Touhara, H. *see* Tsuda, M. 9−52738
Toukubo, K. *see* Nakanishi, K. 9−82133
Toulemonde, M. *see* Bell, R.O. 9−69920, 9−74029
Toulenmonde, M., Beck, F.A., Gehringer, C., Haas, B., Meridinger, J.C., Schulz, N., Vivien, J.P. Experimental evidence for low-lying intruder states in ^{54}Mn 9−58998
Toullec, R.Le *see* Le Toullec, R.
Toulouse, B. *see* Huber, A.M. 9−90693
Toulouse, G. *see* Derrida, B. 9−69678
Toulouse, G. *see* Julia, B. 9−88889
Toulouse, J. *see* Kim, K.K. 9−77678
Toumbev, G.H. *see* Georgieva, M.K. 9−59340
Toupance, G. *see* Raulin, F. 9−75142
Toupry-Krauzman, N., Poulet, H., Le Postollec, M. A Raman spectroscopic study of single crystals of $NaH_2PO_4.2H_2O$ and $NaD_2PO_4.2D_2O$ 9−61370
Tourbez, H., Valat, P., Reiss, C. Use of subnanosecond T jump and picosecond multichannel Raman spectroscopy for the study of conformational dynamics of biological macromolecules 9−66445
Tourbez, H. *see* Valat, P. 9−89011
Tourbez, H. *see* Villar, J.G. 9−66462
Toure, M.P. *see* Sylvester, N.D. 9−52779
Tournemine, G. *see* Ciavaldini, J.-F. 9−50786
Tournemine, G. *see* Grosjean, F. 9−90276
Tournesac, B. *see* Aknin, J.P. 9−68001
Tournier *see* Genicon, J.L. 9−61069
Tournier, R. *see* Berton, A. 9−87271
Tournier, R. *see* Haen, P. 9−82588
Tournier, R. *see* Holtzberg, F. 9−78386
Tournier, R. *see* Lohneysen, H.V. 9−61172
Tournier, R. *see* Tholence, J.L. 9−61174
Tournois, P. *see* Gautier, H. 9−49288, 9−50524
Tournon, J. *see* Robin, C. 9−57880
Tournoux, M. *see* Ganne, M. 9−69092, 9−86749
Tournoux, M. *see* Piffard, Y. 9−69079
Tourtellotte, W.W. *see* Potvin, A.R. 9−96541
Tousek, J., Vrestal, J., Rek, A. Thermodynamic activity of components in the Ni-rich Ni-Cr solid solution 9−70043
Tousey, R. *see* Longmire, M.S. 9−70902
Tousignant, B., Lefevre, J.-P., Lecours, M. Speech synthesis from vocal tract area function acoustical measurements 9−64446
Touskova, A. *see* Sandera, J. 9−70447
Toussaint, D., Treiman, S.B., Wilczek, F., Zee, A. Matter-antimatter accounting, thermodynamics, and black-hole radiation 9−49136
Tousset, J. Complementary analysis techniques: AES, ESCA 9−95252
Toussiant, J. *see* Mousty, F. 9−85813
Tout, D.G. The improvement in winter sunshine totals in city centres 9−84457
Tout, R.E. *see* Gilboy, W.B. 9−92107
Touzain, Ph., Buscarlet, E., Bonnetain, L. Graphite-fluorosulfuric-acid intercalation compound 9−52635
Tov, G.M. *see* Shabalin, V.N. 9−74183
Tov, G.M. *see* Vyaz'mina, T.M. 9−56941
Tovar, M., DeLong, L.E., Johnston, D.C., Maple, M.B. Superconductivity and crystal structure of ternary $Cu_xMo_3S_4$ compounds with $0 \leq x \leq 1$ prepared by anodic oxidation of $Cu_{1.0}Mo_3S_4$ 9−78250
Tovar, M. *see* Woolf, L.D. 9−60948
Tovbin, M.V., Smorodin, V.E., Golovchenko, O.L. Studies of water film shape on the mosaic surface of a solid 9−51395
Tovbin, M.V., Tovbin, Z.M. The role of adsorption in the mechanism of heterogeneous crystallization of supercooled water 9−95125
Tovbin, Z.M. *see* Tovbin, M.V. 9−95125
Tove, P. *see* Petersson, S. 9−82471
Tove, P.A., Ali, M.P., Ibrahim, M.M., Norde, H. Electrical properties of junctions between Ge films and monocrystalline silicon 9−51660
Tove, P.A. *see* de Sousa Pires, J. 9−99619
Tovee, D.N. *see* Angelini, C. 9−67548
Tovee, D.N. *see* Read, A.L. 9−49510
Tovey, S.N. *see* Kasper, P. 9−93447
Tovey, S.N. *see* Rangaswamy, T.N. 9−54351
Tovmach, Yu.V. *see* Aleksandrov, V.N. 9−95451
Tovmasyan, G.M. *see* Kir'yan, V.V. 9−88652
Tovmasyan, L.N. *see* Koroleva, L.I. 9−91078
Tovstonog, V.A., Eliseev, V.N. Heat liberation in a strip of semitransparent material 9−98597
Tovstyuk, K.D. *see* Dugaev, V.K. 9−61319
Tovstyuk, K.D. *see* Litvinov, V.I. 9−87403
Tow, D.M. *see* Chiu, C.B. 9−71729
Tow Chong Chong *see* Furuya, K. 9−50409
Towfiq, F. *see* Beille, J. 9−56532, 9−61120
Towle, J.N., Fitterman, D.V., Lescelius, R.H. A digital recording field system for geomagnetic telluric-array studies 9−62605
Towle, L.C., McKay, J.A., Schriempf, J.T. The penetration of thin metal plates by combined CW and pulsed-laser radiation 9−89955
Towler, B.F., Yang, R.Y.K. On comparing the accuracy of some finite-difference methods for parabolic partial differential equations 9−72796
Towne, J.B., Bernhard, V.M., Salles-Cunha, S., Ray, L.I. Supraorbital Doppler evaluation in vascular surgery 9−88144
Towner, I.S. *see* Raman, S. 9−54407
Townley, J.F. Aids for use with EMI CT5005 general purpose scanner in tumour localization for radiotherapy treatment planning 9−100704
Towns, T.G. *see* Carreira, L.A. 9−54859
Townsend, D.B. *see* Crowther, R.L. 9−59138

Townsend, H.R.A. A real-time programming system [for EEG analysis] 9—100767
Townsend, J.S. *see* Suaya, R. 9—49470
Townsend, M.A., Lainhart, S.P., Shiavi, R., Caylor, J. Variability and biomechanics of synergy patterns of some lower-limb muscles during ascending and descending stairs and level walking 9—53175
Townsend, M.G. *see* Tremblay, R.J. 9—68171
Townsend, P.D., Taylor, G.C., Wintersgill, M.C. An explanation of the anomalously high activation energies of TL in LiF (TLD 100) 9—74009
Townsend, P.D. *see* Aguilar, M. 9—52026
Townsend, P.D. *see* Chandler, P.J. 9—52012
Townsend, P.K. Quartic ghost interactions of O(N) supergravity 9—85044
Townsend, P.K., van Nieuwenhuizen, P. Simplifications of conformal supergravity 9—67209
Townsend, P.K., van Nieuwenhuizen, P. Anomalies, topological invariants, and the Gauss-Bonnet theorem in supergravity 9—85046
Townsend, P.K. *see* Ogielski, A. 9—63026
Toxvaerd, S. Diffusion in a two-dimensional system 9—90873
Toy, M.S., Stringham, R.S. Some perfluorocarbocyclic ethers and polyethers from hexafluorobenzene 9—51863
Toy, W. *see* Cutts, D. 9—85346
Toya, M. *see* Bando, M. 9—97578
Toya, T., Ito, T., Ishi, S. Two types of hydrogen on metal surfaces 9—69368
Toyama, J. *see* Jumonji, H. 9—54103
Toyama, Y. *see* Kaneda, T. 9—80680, 9—87143
Toyama, Y. *see* Masui, S. 9—57547
Toyne, K.J. *see* Davidson, R.S. 9—59499
Toyoda, H. $LiNbO_3$ and $LiTaO_3$—single crystal growth and applications 9—65018
Toyoda, K. Bibliography of ferroelectrics 9—82931
Toyoda, K., Sakurai, Y. Angle measurement using ring laser 9—71408
Toyoda, M. *see* Iida, Y. 9—56736
Toyoda, M. *see* Natsume, Y. 9—78505
Toyoda, N., Mihara, M., Hara, T. Impurity effect on the formation of terraces in GaAs LPE growth 9—95288
Toyoda, N. *see* Inada, T. 9—91158
Toyoda, T. A wavepacket representation of equilibrium states of boson fields 9—75451
Toyoda, T., Kume, K. The effect of 4d and 5d transition metal impurities on the residual resistivity of Au, Cu, Zn and Al 9—60791
Toyoda, T. *see* Isihara, A. 9—60742
Toyokawa, K., Kurita, S., Tsushima, K. Spectroscopic study of the field-induced spin reorientation in $ErCrO_3$ 9—61398
Toyokura, T. *see* Kurokawa, J. 9—94628
Toyooka, S. Determination of in-plane strain using a holographic modulated diffraction grating 9—90202
Toyooka, S. Determination of in-plane and out-of-plane components of deformation of an object from one double-exposure hologram 9—94193
Toyoshima, K. Levels in ^{81}Kr populated by the $^{81}Br(p,n\gamma)$ reaction 9—75849
Toyoshima, M., Nagakura, S. Modulated structure of iron-carbon martensite 9—96042
Toyota, K. *see* Hirotsu, S. 9—55833
Toyota, N. *see* Fukase, T. 9—56381
Toyota, N. *see* Muto, Y. 9—56406
Toyotomi, Y., Onaka, R. Trapped electron centers and trapped hole centers in heavily doped KCl:Tl. II. ESR study 9—78516
Toyotomi, Y., Onaka, R. Trapped electron centers and trapped hole centers in heavily doped KCl:Tl. I. Thermal glow study 9—78762
Toyozawa, Y. Bistability and anomalies in absorption and resonance scattering of intense light 9—95803
Toyuki, H. Studies on phase-separation of Na_2O-SiO_2-B_2O_3 glasses by means of optical absorption spectra of VO^{2+} 9—70414
Tozawa, T. *see* Shiba, K. 9—82005
Tozer, B.A. The calculation of maximum permissible exposure levels for laser radiation 9—96666
Tozer, B.A. *see* Webster, J.M. 9—98323
Tozoni, O.V., Nikolaeva, N.S. Calculating the field of an electromagnetic suspension 9—59616
Tozzi, G.P. *see* Jannitti, E. 9—93947
Traber, F. *see* Buttgenbach, S. 9—68207
Trabert, E., Armour, I.A., Bashkin, S., Jelley, N.A., O'Brien, R., Silver, J.D. The X-ray spectra of H-like, He-like and Li-like silicon ions after foil excitation 9—59545
Trabert, E., Fawcett, B.C. Identification of satellite lines in the X-ray spectrum of foil-excited silicon 9—85929
Traccaz, M. *see* Eyraud, L. 9—51908
Tracey, J.H., Pottinger, H., Beauchamp, R., Rechtien, R.R. A display system for seismic data analysis 9—74995
Trachtman, M. *see* George, P. 9—66331
Trachuk, V.S. *see* Drozhbin, Yu.A. 9—64342
Tracy, C. *see* Bronzino, J.D. 9—83742
Tracy, C.E. Micromethod for refractive index determination of thin films using liquid standards 9—67378
Tracy, D.H. Luminous flux amplification in Fabry-Perot spectrometry: comment 9—75600
Tracy, J.C. *see* Herbst, J.F. 9—91252
Tracy, P.G. Elastic analysis of radial cracks emanating from the outer and inner surfaces of a circular ring 9—68645
Trafas, R. *see* Pietrzak, J. 9—98609
Trager, F. *see* Kowalski, J. 9—54385
Trahern, G. *see* Balachandran, A.P. 9—71627
Trahin, M. *see* Gontier, Y. 9—72287
Traiber, A.S. *see* Samartsev, V.V. 9—73450
Trainin, A.L., Sheikhet, E.G. Determination of the type of microdefect in dislocation-free silicon single crystals by the method of anomalous X-ray transmission 9—95019
Trainor, D.W. *see* Medhekar, A.K. 9—100430
Trainor, J.H. *see* Cline, T.L. 9—101218
Trainor, J.H. *see* McDonald, F.B. 9—101111
Trainor, L.E.H. *see* Lumsden, C.J. 9—58462, 9—66437, 9—96502
Trainor, R.J., Shaner, J.W., Auerbach, J.M., Holmes, N.C. Ultrahigh-pressure laser-driven shock-wave experiments in aluminum 9—55823
Trainor, R.J. *see* Brodsky, M.B. 9—61154
Trainor, T.A. *see* Snover, K.A. 9—80898
Trajkov, A.P. *see* Karadzov, A.G. 9—85877
Trakai, V.G. On calculation of an axisymmetric stationary magnetic field in a nonlinear ferromagnetic medium 9—94127
Trakhtenberg, I.Sh. *see* Arakelov, A.G. 9—82256
Trakhtenberg, I.Sh. *see* Valdimirov, A.B. 9—99369
Trakhtengerts, V.Yu., Chugunov, Yu.V. The low-frequency noise induced in an antenna in the ionospheric plasma 9—80072
Trakhtengerts, V.Yu. *see* Bespalov, P.A. 9—55534
Tramer, A. *see* Soep, B. 9—81223
Trammell, G.T. *see* Hannon, J.P. 9—93267
Trampetic, J. *see* Guberina, B. 9—67520
Tran, D.C. *see* Simmons, J.H. 9—94375
Tran, M.T., Guex, L.H., Alder, J.C., Joseph, C., Vaucher, B., Widkelmann, E., Bayer, W., Hilscher, H., Schmitt, H., Zupancic, C., Bressani, T., Chiavassa, E., Favier, J., Schinzel, D., Truol, P. Differential cross sections for radiative capture of pions on hydrogen in the Δ(1232) region. A test of the isospin structure and t-symmetry of hadronic electromagnetic interactions 9—93665
Tran, M.T. *see* Alder, J.-C. 9—85381
Tran, M.T. *see* Gabioud, B. 9—67600
Tran, M.T. *see* Strassner, G. 9—89280
Tran, V.N., Cavanagh, A.K. Effects of microwave energy on Acacia longifolia 9—53190
Tran Cong, T., Steven, G.P. On the representation of elastic displacement fields in terms of three harmonic functions 9—97208
Tran Minh, N. *see* Edmonds, A.R. 9—89639
Tran Quan Dang *see* Dang Tran Quan
Tran Tri Nang, Okuda, M., Matsushita, T. Photo-induced absorption change in some Se-based glass alloy systems 9—59773
Tran Van Danh *see* Spitz, J. 9—74544
Tran Van-Vi *see* Van-Vi Tran
Tran-Cong, T., Steven, G.P. On the equivalence between Boussinesq and Timpe approaches to the torsion-free axisymmetric problems of elasticity 9—86336
Tranchita, C.J. *see* Claus, H. 9—61159
Tranquilli, A. *see* Marchetti, R. 9—50299, 9—76692
Transkii, I.A. *see* Krymskii, G.F. 9—80122
Trantina, G.G. Design techniques for ceramics in fusion reactors 9—93822
Trantina, G.G. *see* Matheny, R.A. 9—86822, 9—93829
Traon, A.Le *see* Le Traon, A.
Traon, J.Y.Le *see* Le Traon, J.Y.
Traore, H., Halouani, F.E., Allais, G., Deschanvres, A. Kinetics of the establishment of equilibrium in a semiconductor electrode: case of $Ga(As_{1-x}P_x)$ 9—79259
Trapani, C. *see* Epifanio, G. 9—97231
Trapeznikov, V.A. *see* Betenekova, T.A. 9—69416
Trapeznikova, N.A., Glasko, V.B. A controlling algorithm for the solution of an inverse dynamic problem of seismic prospecting 9—74859
Trapp, E.L., Lepine, C.W. Nuclear plant operating margin optimization 9—85592
Trapp, T.J. Effects of depletion, buildup, and fast fission on fission decay heat 9—81041
Trapp, T.J. *see* Robinson, A.H. 9—89414
Trappen, N. Photodesorption from metals: measured desorption rates in comparison with a MO-treatment 9—52777
Trappeniers, N.J., Elenbaas-Bunschoten, E.W.A. A study of the line width in the rotational spectrum of methylfluoride 9—76426
Trappeniers, N.J. *see* Michels, J.P.J. 9—98847
Trappeniers, N.J. *see* van 't Klooster, P. 9—87680
Trasatti, L. *see* Bacci, C. 9—93440
Trasatti, L. *see* Battistoni, G. 9—81123, 9—93875
Traskovskii, V.D. *see* Glushko, G.S. 9—86410
Trass, O. *see* Krizancic, I. 9—80717
Traub, W.A., Carleton, N.P., Connes, P., Noxon, J.F. The latitude variation of O_2 dayglow and O_3 abundance on Mars 9—53750
Trautman, A. The problem of gravitational radiation in Albert Einstein's papers 9—75313
Trautmann, D. *see* Shyam, R. 9—54445
Trautmann, W. *see* Haas, B. 9—71783
Trautmann, W. *see* Hausser, O. 9—63578
Trautmann, W. *see* Puchta, H. 9—93650
Trautvetter, H.P., Elix, K., Rolfs, C., Brand, K. Energy determination of heavy-ion beams 9—59287
Trautvetter, H.P. *see* Hammer, J.W. 9—54736
Trautwein, A. *see* Friedt, J.M. 9—61282
Trautwein, A. *see* Lauer, S. 9—76352
Trautwein, A. *see* Reschke, R. 9—91006
Trautwein, A. *see* Sanchez, J.P. 9—60776
Travadzhyan, M.G. *see* Levin, V.I. 9—95912
Traverse, J.P. *see* Aldebert, P. 9—65050
Traverso, O. *see* Allsopp, S.R. 9—91978
Travin, V.V., Ptitsyna, L.D. Errors in the coarse grinding of individual meniscus-type lenses 9—50458
Travina, N.T. *see* Kozlov, V.P. 9—83202
Travis, C.C., Watson, A.P., McDowell-Boyer, L.M. Potential population dose from Radon-222 released by uranium tailings piles 9—85824
Travis, J.R., Rivard, W.C., Harlow, F.H. Reply to 'Comment on the drift-flux approximation in transient two-phase flows' 9—72929
Travis, L.D. Nature of the atmospheric dynamics of Venus from power spectrum analysis of Mariner 10 images 9—53746
Travitzky, N. *see* Gutmanas, E.Y. 9—51192, 9—60427
Travnikov, V. *see* Permogorov, S. 9—51499
Travnikova, A.N. *see* Timofejeva, G.I. 9—61862
Travnikova, N.P. Optimum brightness of index mark in optical instruments 9—53720
Traystman, R.J. *see* Inners, C.R. 9—88106
Treado, P.A. *see* Karaoglan, E. 9—76011
Treado, P.A. *see* Lambert, J.M. 9—75863
Treado, P.A. *see* Myers, L.T. 9—75999
Treado, P.A. *see* Rivenburg, H.C. 9—76004
Treat, R.P., Lawson, W.F., Johnson, J.L. Observation of particle trajectories near a magnetized fiber 9—86128
Trebbia, P. *see* Jeanguillaume, C. 9—61934
Trebilco, D.A. Infrared studies of interactions at the silica/liquid hydrocarbon interface 9—57295
Trebin, H.-R. Exciton-phonon interaction in the degenerate-band case 9—56140
Trebin, H.-R., Rossler, U. Landau levels in uniaxially stressed compounds of zincblende structure 9—60706
Trebin, H.-R., Rossler, U., Ranvaud, R. Quantum resonances in the valence bands of zinc-blende semiconductors. I. Theoretical aspects 9—99480
Trebin, H.-R. *see* Ranvaud, R. 9—99481
Treder, H.-J. A correspondence between Albert Einstein and Adolf Schmidt 9—84924
Treder, H.-J., Woodward, J.F., Yourgrau, W. Electro-gravitational induction: A re-examination. I. On the relativistic theory of Faraday's gravo-electrical speculations 9—85040
Treder, R., Tachiki, M., Levy, M. Ultrasonic attenuation study of erbium in a magnetic field 9—91279
Treder, R.A., Levy, M. Ultrasonic attenuation in erbium under an applied magnetic field for T near 83.8K and 53.9K 9—55837
Tree, Y. *see* Hasselman, D.P.H. 9—65141
Trefall, H., Williams, D.J. Time structure of post-midnight energetic electron precipitation and the limit of stable trapping 9—101013
Trefilov, V.I., Trutsevich, E.V., Minakov, V.N., Grabenko, N.M. Kinetics of growth of deformation cells in chromium and niobium alloys during heating 9—65084
Trefilov, V.I. *see* Arkharov, V.I. 9—79057
Trefilov, V.I. *see* Gridneva, I.V. 9—95015
Trefonas, P., III *see* Politzer, P. 9—63885
Tregidgo, K. *see* Speer, R.J. 9—76891
Tregilgas, J.H., Galligan, J.M. Electron drag on mobile dislocations in niobium 9—91197
Tregilgas, J.H. *see* McGuire, G.E. 9—78174
Tregonning, K. *see* Grosberg, A.J. 9—85661
Tregouet, Y., Bernede, J.C. Silver movements in Ag_2Te thin films: switching and memory effects 9—78239
Tregubov, V.F. *see* Dudarev, E.F. 9—66076
Trehan, P.N. *see* Sharma, A.K. 9—54387, 9—85400
Trehan, P.N. *see* Verma, H.R. 9—85401
Trehan, S.K. *see* Sen, A.K. 9—67258, 9—84577, 9—101001
Treheux, D., Dubois, J., Fantozzi, G., Guiraldenq, P. Determination of the self-diffusion coefficient of ^{14}C in tungsten hemicarbide (W_2C) 9—60542
Treheux, D. *see* Juve-Duc, D. 9—55921, 9—95272
Trehoux, J. *see* Abraham, F. 9—51084, 9—86753
Treiger, S.I. *see* Piskunov, L.I. 9—100550
Treilhou, J.P. *see* Zhulin, I.A. 9—66738
Treilleux, M., Chassagne, G. Precipitation in MgO implanted with alkali ions 9—51163
Treilleux, M., Chassagne, G. Orientation relationship and structure of lithium precipitates in MgO single crystals 9—82342
Treilleux, M., Chassagne, G. Orientation relationship and structure of lithium precipitates in MgO single crystals 9—86888
Treillhou, J.P. *see* Zhulin, I.A. 9—80081
Treiman, S.B. *see* Shrock, R.E. 9—63450, 9—71686
Treiman, S.B. *see* Toussaint, D. 9—49136
Treimann, S.B. *see* Gross, D.J. 9—63385

Treimer, W. X-ray and neutron interferometry 9—50952
Treiner, C. *see* El Golli, S. 9—90771
Treivus, E.B., Novikova, L.G. Use of the theory of random processes to study fluctuations in crystal growth rates 9—55689
Treivus, E.B. *see* Hodorowicz, S.A. 9—99092
Treleani, D. *see* Bertocchi, L. 9—54458
Tremaine, S.D. *see* Gunn, J.E. 9—97079
Tremann, J. *see* Daly, M.J. 9—79639
Tremblay, A.-M., Patton, B., Martin, P.C., Maldague, P.F. Microscopic calculation of the nonlinear current fluctuations of a metallic resistor: the problem of heating in perturbation theory 9—69484
Tremblay, A.-M. *see* Schon, G. 9—51724
Tremblay, G. *see* Delisle, C. 9—98514
Tremblay, R. *see* Coulombe, R. 9—98425
Tremblay, R. *see* Ghali, E. 9—95172
Tremblay, R.J., Leclerc, A., Mathieu, C., Pepin, R., Townsend, M.G. Measurement of radon progeny concentration in air by α-particle spectrometric counting during and after air sampling 9—68171
Tremko, J., Bakos, G.A. A photometric study of the Am binary system AN Andromedae 9—58374
Tremmel, J., Bohatka, S., Berec, I., Hartittai, I. Attachment of a quadrupole mass spectrometer to the EG-100 A electronograph 9—94108
Tremmel, J. *see* Schultz, G. 9—89783
Trenberth, K.E. The effect of the Helmholtz term on a two-layer model baroclinic atmosphere 9—79986
Trendafelov, D. *see* Kovachev, T.S. 9—66267
Trendafelov, D. *see* Zapryanova, A. 9—57305
Trendler, R.C. A fast energy dump for beam line magnets 9—68091
Trendler, R.C. The 10 millisecond 150 kiloampere pulsed power supply for the Fermilab neutrino focussing horn 9—68092
Trenec, G. *see* Pinard, M. 9—89918
Trenholme, J.B. *see* Linford, G.J. 9—81436
Trent, J.S., Miles, M.J., Baer, E. The mechanical behaviour of high-impact polystyrene under pressure 9—52305
Trentin, R. *see* Schinkinger, W. 9—67265
Trepagnier, P. *see* Gurtu, A. 9—49517
Trepagnier, P.C. *see* Brick, D. 9—58980
Trepp, A. *see* Aguirre, C. 9—62699
Trepper, P. *see* Sodicoff, M. 9—92300
Treptow, K. *see* Barsotti, E. 9—49919
Treshchalov, A.B. *see* Freiberg, A.M. 9—95823
Treshchev, V.M. *see* Komov, A.N. 9—56255
Tress, J.E. *see* Nafziger, R.H. 9—61900
Tressaud, A. *see* Dance, J.-M. 9—73670
Tresser, C. *see* Coullet, P. 9—84997
Tressler, R.E. *see* Busovne, B.J., Jr. 9—83209
Tretjakov, V.N. *see* Lyubalin, M.D. 9—69976
Tretout, H. *see* White, R.G. 9—96239
Tret'yachenko, G.N., Gracheva, L.I. Effect of the heating rate on the thermal deformation of carbonmetalplastics in various atmospheres 9—65226
Tret'yachenko, G.N., Gracheva, L.I. Installation for investigating the deformation properties of heat-insulating materials in different media under different pressures upon uniform or one-sided heating 9—66232
Tret'yachenko, G.N., Karpinos, B.S. Installation for testing the thermal resistance of specimens in a transonic high-temperature gas stream 9—63207
Tret'yachenko, G.N., Karpinos, B.S. Analysis of the thermal state and the state of thermal stress of hollow cylinders upon internal one-sided heating 9—98595
Tretyak, I.Yu. *see* Maksimovich, G.G. 9—100233
Tret'yakov, A.G. *see* Zhidkov, L.G. 9—94056
Tretyakov, A.P. *see* Druin, V.A. 9—59101
Tret'yakov, N.D. *see* Snykov, V.P. 9—93215
Tret'yakov, V.I. *see* Prokoshkin, D.A. 9—55938
Tret'yakov, V.V., Yagodkin, V.I. Numerical study of laminar swirled flow in an annular channel 9—90260
Tret'yakov, Yu.D., Kamysheva, V.K., Gordeev, I.V., Kesler, Ya.A., Shchelkotunov, V.A. Terms in excess entropy of chalocogenide chromites 9—86905
Tret'yakov, Yu.D. *see* Kesler, Ya.A. 9—52737
Tret'yakov, Yu.D. *see* Kolotyrkin, V.I. 9—83493
Tret'yakov, Yu.D. *see* Rozantsev, A.V. 9—86904
Tret'yakov, Yu.D. *see* Zygan, V.N. 9—95166
Tret'yakova, Ch.A. *see* Somogy, A. 9—80173
Tret'yakova, G.G. *see* Prokoshkin, D.A. 9—74234
Treuhaft, R. *see* Van Bibber, K. 9—97723
Treuil, M. *see* Bougault, H. 9—88334
Treuil, M. *see* Hamelin, B. 9—53329
Treushnikov, B.M., Zelentsov, S.V., Oleinik, A.V., Pomerantseva, L.L., Gusarskaya, N.L. Photosensitive materials which change their adhesion to a substrate due to the action of light 9—97464
Treushnikov, E.N., Loshmanov, A.A., Kalinin, V.R., Ilyukhin, V.V., Yamzin, I.I., Fykin, L.E., Dudarev, V.Ya., Solov'ev, S.P., Belov, N.V. Potassium iodate. Details of electronic structure of iodine atom in X-ray-neutron difference synthesis 9—90595
Treushnikov, E.N. *see* Kuskov, V.I. 9—94994
Treushnikov, V.M., Pomeransteva, L.L., Frolova, N.V. Influence of drying temperature of photoresist films of the cyclocaoutchoucbisazide system on their photosensitivity 9—58828
Trevena, D.H. Reynolds on the internal cohesion of liquids 9—58511
Trevena, D.H. Tension pulses in a liquid column 9—69176
Trevena, P. *see* Old, C.F. 9—83375
Treves, A. *see* Maraschi, L. 9—62865, 9—67058
Trevese, D. *see* Agnelli, G. 9—92677
Trevgoda, V.M. *see* Nomofilov, E.V. 9—86317
Trevino, S.F. An observation of one-dimensional reorientation and tunnel splitting of the ground and first excited state in a low barrier system: solid nitromethane 9—99086
Trevino, S.F. *see* Choi, C.S. 9—87795
Trevorrow, D.W. *see* Percy, J.R. 9—88657
Trevorrow, L.E., Steindler, M.J. Technology assessment and nuclear waste management 9—89392
Trewern, T.D. *see* Marlow, I. 9—60640
Trewhella, J., Wright, P.E., Appleby, C.A. Molecular basis for proton-dependent anion binding by soybean leghaemoglobin a 9—74592
Trexler, D.T. *see* Bell, E.J. 9—88285
Treybal, R.E. *see* Ramamoorthy, P. 9—50783
Tri Nang, T. *see* Matsushita, T. 9—87024
Tri Nang, T. *see* Okuda, M. 9—87519
Tri Nang Tran *see* Tran Tri Nang
Triano, A.R. *see* Carlson, D.E. 9—99577
Triantis, F.A. *see* Cochet, C. 9—80854
Triantis, F.A. *see* Deutschmann, M. 9—85345
Triantis, F.A. *see* Givernaud, A. 9—58982
Trias, A., Ramirez, R., Kiwi, M. Rigorous bounds for the Helmholtz free energy of the Falicov-Kimball model 9—86906
Tribe, J. *see* Cushley, R.J. 9—83713
Tribillon, G. Two wavelength speckle images applied to contouring 9—85121
Tribolet, J.M., Crochiere, R.E. An analysis/synthesis framework for transform coding of speech 9—59886
Tribollet, B. *see* Deslouis, C. 9—77138
Triboulet, R. *see* Gautron, J. 9—52676
Triboulet, R. *see* Hoclet, M. 9—55853
Triboulet, R. *see* Mimila-Arroyo, J. 9—51668
Triboulet, R. *see* Vazquez-Lopez, C. 9—100525
Tributsch, H. Electrochemical solar cells based on layer-type transition metal compounds: performance of electrode material 9—74532
Tributsch, H. *see* Gobrecht, J. 9—66411, 9—66412
Trice, J.B., Cohen, A.D. Commercialization aspects of solar process hot water systems for the textile industry 9—83576
Trichet, L. *see* Rouxel, J. 9—99156
Tricker, M.J. On the determination of oxide overlayer thickness by ^{57}Fe conversion electron Mossbauer spectroscopy 9—57142
Tricker, M.J. *see* Parry, D.E. 9—78837
Tricker, R.A.R. Arcs associated with halos of unusual radii 9—96818
Trickett, B.A. The vacuum system for the Daresbury synchrotron radiation source 9—63830
Trickey, S.B. *see* Worth, J.P. 9—73128
Trickle, I.R. *see* Colbourn, E.A. 9—72358
Trickle, I.R. *see* Dyke, J.M. 9—98051
Tricoire, H., Colombani, P., Gerschel, C., Paya, D., Perrin, N., Valentin, L., Frascaria, N., Garron, J.P., Stephan, C. New experimental results supporting the hypothesis of the excitation of collective modes in the ^{40}Ca+^{40}Ca reaction 9—54448
Tricoles, G. *see* Hayward, R.A. 9—76560
Triday, J., Andrade, A., Aguirre, F. Isobaric study of binary systems formed from thiophene or benzene and light alcohols 9—77738
Trifonov, A.I. Neutron coincidence systems without a delay cycle with a higher rate frequency when determining fissionable materials 9—85873
Trifonov, A.I. Limits of application in conventional neutron coincidence methods with thermal neutrons when determining plutonium in atom-related industries 9—85874
Trifonov, V.G. *see* Rabinovich, M.Kh. 9—52326
Trifonov, V.I., Martyakhin, V.A., Stukan, V.A., Zaets, N.F. Photoconductivity and photomagnetic effect in n-type $Bi_{1-x}Sb_x$ 9—51630
Trifonova, N.I. *see* Pomosov, A.V. 9—70007
Trifunac, A.D. *see* Jonah, C.D. 9—79263
Trifunac, M.D. Preliminary empirical model for scaling Fourier amplitude spectra of strong ground acceleration in terms of Modified Mercalli Intensity and recording site conditions 9—62442
Trifunac, M.D. *see* Anderson, J.G. 9—88289
Trifunac, M.D. *see* Wong, H.L. 9—62443
Trigunayat, G.C. *see* Dubey, G.C. 9—51703
Trikalinos, Kh. *see* Agan'yants, A.O. 9—69170
Trikha, S.K. *see* Gupta, J.J. 9—97806
Trilesnik, I.I. *see* Liflyandchik, B.I. 9—80694
Trilling, G.H. Impact of storage rings on elementary particle physics 9—72120
Trilling, G.H. *see* Abrams, G.S. 9—89149, 9—89174
Trilling, L. Dynamics of a mobile physically adsorbed layer 9—95271
Trimble, D. *see* Dolan, R. 9—62537
Trimble, V.L. *see* Mallama, A.D. 9—67041
Trimm, D.L. *see* La Cara, A. 9—91919
Trimm, T.G. *see* Turner, R.C. 9—82870
Trinel-Dufour, M.-C., Pouillard, G., Perrot, P. Activity-composition relations in the solid solution spinel $NiFe_2O_4$-$MgFe_2O_4$ at 1273K 9—100124
Trines, D. *see* Brandelik, R. 9—63491, 9—93441
Trinkala, M. *see* Inomata, A. 9—58598
Trinkaus, H. Drift diffusion in grain boundaries under the influence of stress fields 9—77835
Trinkaus, H., Ullmaier, H. A model for the high-temperature embrittlement of metals containing helium 9—83320
Trinkler, L.E. *see* Trinkler, M.F. 9—56852
Trinkler, M.F., Trinkler, L.E. The kinetic investigation of the 420 NM A-emission band in KCl-Pb 9—56852
Trinko, T. *see* Benvenuti, A. 9—49508, 9—58951
Trinks, U. *see* Daniel, H. 9—68014
Trinks, U. *see* Kugler, K.J. 9—72043
Trinks, U. *see* Paul, W. 9—59293
Triodina, N.S. *see* Distler, G.I. 9—52105
Tripathi, A. *see* Peddicord, K.L. 9—59173
Tripathi, A.N. *see* Tayal, S.S. 9—81281
Tripathi, B.M. CH and CH^+ lines in facula models 9—66972
Tripathi, B.M. *see* Dubey, R.C. 9—80291
Tripathi, H.B., Kandpal, H.C., Agarwal, A.K. Non-radiative energy transfer from Dy^{3+}→Ho^{3+} in calibo glass 9—65925
Tripathi, H.B. *see* Kandpal, H.C. 9—61428
Tripathi, K.C., Sarma, P.R., Gupta, H.M. Mossbauer studies on polymetallomethacrylates 9—65776
Tripathi, K.C. *see* Sarma, P.R. 9—93866
Tripathi, R.K. *see* Sahoo, N. 9—63619
Tripathi, R.P. *see* Krishnamurthy, A. 9—73865
Tripathi, S. *see* Agrawal, B.K. 9—82976
Tripathi, S.N. *see* Coope, D.F. 9—54405
Tripathi, S.R. *see* Dixit, A.N. 9—76350
Tripathi, T.C. *see* Bhide, V.G. 9—62033
Tripathi, V.K., Singh, D.P. DC field induced enhancement in the transparency of n-InSb 9—91407
Tripathi, V.K. *see* Natarajan, R. 9—65784
Tripathi, V.K. *see* Sharma, R.R. 9—95793
Tripathi, V.K. *see* Sodha, M.S. 9—77386
Tripathy, D.N., Mandal, S.S., Rao, B.K. On the study of plasmon dispersion beyond k_c 9—56157
Tripathy, D.N. *see* Mandal, S.S. 9—51508, 9—87052
Tripathy, D.N. *see* Rao, B.K. 9—78023
Tripathy, S.K. *see* Banik, N.C. 9—82331
Triplett, J.W. *see* Smith, R.B. 9—79637
Tripo, A. *see* Boscaino, R. 9—82864
Tripol'nikov, V.P. Results of an experiment on the forecasting of the time of occurrence of strong earthquakes 9—53315
Tripp, A.C., Ward, S.H., Sill, W.R., Swift, C.M., Jr., Petrick, W.R. Electromagnetic and Schlumberger resistivity sounding in the Roosevelt Hot Springs KGRA [known geothermal resource area] 9—84095
Trippe, G. *see* Moller, R. 9—97794
Trippe, T.G. *see* Piccolo, M. 9—93439
Trippe, T.G. *see* Rapidis, P.A. 9—75780
Trippel, G. *see* Rogalla, D. 9—82836
Trischuk, J. *see* Bourquin, M. 9—71768
Trishenkov, M.A. Limiting parameters of photoreceivers with a low-noise photodiode and a field-effect transistor input stage 9—49292
Trishin, Yu.A. *see* Tatyushkin, N.I. 9—86378
Tritton, K.P. *see* King, D.J. 9—92839
Triulzi, C. Re-treatment of irradiated fuels and the handling of radioactive fuels 9—63753
Trivedi, A.I. *see* Deshpande, M.R. 9—84581
Trivedi, P.D., Ambrose, R.J. Tensile properties and morphology of S_2Cl_2 treated PVC-g-butyl rubber 9—95993
Trivedi, R., Franke, H., Lacmann, R. Effects of interface kinetics on the growth rate of dendrites 9—90927
Trivedi, S.B. *see* Bhatt, V.P. 9—99464
Trivedi, V.M. *see* Patel, L.K. 9—80376
Trnkoczy, A., Stanic, U., Malezic, M. Present state and prospects in the design of multichannel FES stimulators for gait correction in paretic patients 9—57810
Trnkoczy, A. *see* Kljajic, M. 9—53181
Trobaugh, G.B. *see* Hamilton, G.W. 9—88170
Troc, R. *see* Noel, H. 9—61073
Trockel, C. *see* Flohr, H. 9—74629
Trodahl, H.J. Eddy currents in ultrafine metal particles 9—60744
Troe, J. Predictive possibilities of unimolecular rate theory 9—74348
Troe, J. *see* Astholz, D.C. 9—57214, 9—79236
Troev, T., Dimova, V., Zolov, R., Levay, B. Study of Doppler broadened annihilation spectra in zinc and zinc-containing 0.05 at.% iron 9—65953
Troev, T. *see* Kozhukharov, V. 9—90562
Troev, T.D. *see* Hogg, B.G. 9—65777
Trofim, V.G. *see* Andreev, V.M. 9—56097
Trofimchuk, E.G. *see* Zinchenko, V.I. 9—64687
Trofimenko, V.I. *see* Popov, V.I. 9—82690

Trofimenkoff, N.N. Comments on the application of current algebra and the bag model to K→2π decays 9−97622
Trofimov, A.N. *see* Kazaryan, M.A. 9−64251, 9−94222
Trofimov, A.N. *see* Zemskov, K.I. 9−98407
Trofimov, A.S. *see* Gaididei, Yu.B. 9−73440, 9−87043
Trofimov, I.L., Shneyer, V.S., Korotayev, S.M. Determination of the total longitudinal conductivity of marine sediments and total transport from the electromagnetic field of currents 9−62480
Trofimov, V.A. *see* Volodin, V.D. 9−68135
Trofimov, V.F. *see* Arkhipov, V.A. 9−68768
Trofimov, V.P. *see* Adrianov, V.N. 9−81703
Trofimov, V.V. Experimental investigation into stability of circular rings 9−76990
Trofimova, A.A. *see* Yazkulyev, A. 9−96422
Trofimova, G.N. *see* Ivanov, N.M. 9−52605
Trofimova, L.M. *see* Ershov, N.N. 9−99933
Trofimova, T.K. *see* Volkov, V.V. 9−99740
Trofimova, Zh.P. *see* Sirota, N.N. 9−82469
Troise, G. *see* Storelli, V. 9−57367
Troitskaya, B.A. *see* Buloshnikov, A.M. 9−53659
Troitskaya, E.P. *see* Zarochentsev, E.V. 9−69179
Troitskaya, V.A. *see* Bol'shakova, O.V. 9−53656
Troitskaya, V.A. *see* Matveyeva, E.T. 9−53664
Troitskii, O.A., Spitsyn, V.I., Ryzhkov, V.G. Electroplastic drawing of steel, copper, and tungsten 9−91761
Troitskii, O.A., Spitsyn, V.I., Sokolov, N.V., Ryzhkov, V.G. Application of high-density current in plastic working of metals 9−57002
Troitskii, O.A., Spitsyn, V.I., Stashenko, V.I. The effect of an electric current on the relaxation of stresses in crystals of zinc, cadmium, and lead 9−79021
Troitskii, V.A., Adamenko, A.A., Grom, V.S., Valevich, M.I., Demidko, V.G. Standardization of the radiographic flaw detection of welded joints 9−91900
Troitskii, V.E. A method of finding the Jost matrix 9−89072
Troitskii, V.E. *see* Muzafarov, V.M. 9−85320
Troitskii, V.M. *see* Sviridova, A.I. 9−72660
Troitskii, V.S., Ornatskaya, O.I., Ryazantseva, I.P. An investigation of the thermal history of Mars 9−84724
Troitskii, Yu.V. *see* Bel'tyugov, V.N. 9−89951
Trojanova, Z. *see* Lukac, P. 9−87647, 9−91741
Trojnar, E. *see* Alekseevsky, N. 9−51730
Trojnar, E. *see* Makiej, B. 9−56468
Trokhachev, G.V. *see* Dubasov, B.G. 9−71489
Trokiner, A. *see* Bulou, A. 9−82885
Trolinger, J.D. Application of generalized phase control during reconstruction to flow visualization holography 9−50246
Trolinger, J.D., Heap, M.P. Coal particle combustion studied by holography 9−76630
Trolinger, J.D., Simpson, G.D. Diagnostics of turbulence by holography 9−60078
Trollope, I.E. *see* Roberts, D.V. 9−83749
Tromans, D. *see* Garner, A. 9−91835
Trombetti, A. *see* Dal Borgo, A. 9−59438
Trombka, J., Fichtel, C., Grindlay, J., Hofstadter, R. Gamma-ray astrophysics: a new look at the universe 9−80373
Trombka, J.I. *see* Gilman, D. 9−53933
Trombka, J.I. *see* Johnson, R.G. 9−53728
Trombka, J.I. *see* Yin, L.I. 9−58250
Tromel, M. *see* Kocak, M. 9−69075
Trommer, R. *see* Abstreiter, G. 9−82540
Trommer, R. *see* Pinczuk, A. 9−65878
Trommer, R. *see* Ploog, K. 9−77943
Tromp, R.L. *see* Anderl, R.A. 9−67843
Tromp, R.M. *see* Van Der Veen, J.F. 9−61483
Trompette, J. *see* Desrousseaux, G. 9−82495
Tronc, M., Azria, R., Le Coat, Y., Simon, D. Differential cross section for dissociative attachment in HCl:H⁻ formation 9−86077
Tronc, M., Azria, R., Paineau, R. Shape resonances in vibrational excitation of molecules. [100] symmetric stretch mode excitation in CO_2 9−76523
Tronc, M., Azria, R., Paineau, R. Shape resonances in vibration excitation of molecules: [100] symmetric stretch mode excitation in CO_2 9−86074
Trong Nguyen Van *see* Nguyen Van Trong
Trontelj, M., Kolar, D. Reactions of AlN with the iron group elements 9−74377
Troost, W., Van Dam, H. Thermal propagators and accelerated frames of reference 9−67211
Tropikhin, Yu.D. *see* Sviridov, A.N. 9−59689, 9−64212
Tropis, M. Use of pseudopotentials for calculation of core energy levels and total energy of a molecule 9−49935
Troshchenko, V.T. Strain criteria for fatigue fracture of metals at high-cycle loading 9−61712
Troshchenko, V.T., Shestopal, L.F., Zaslotskaya, L.A., Rusanovskii, A.K. Fatigue of heat-resisting alloys subjected simultaneously to mechanical and thermal stresses. I 9−66164
Troshchenko, V.T., Shestopal, L.F., Zaslotskaya, L.A., Rusanovskii, A.K. Fatigue of heat-resistant alloys under conditions of combined action of mechanical and thermal stresses. II 9−87726
Troshichev, O.A. *see* Grafe, A. 9−62677
Troshin, A.S. *see* Smirnov, D.F. 9−59750
Troshin, S.M. *see* Edneral, V.F. 9−80849
Troshina, L.A. Resistance of three-layer cylindrical shells having a low-stiffness filter in axial compression 9−86353
Troshkina, V.A. *see* Kucherenko, L.A. 9−56973
Troshkov, G.A. Problems in localizing the singularities of the potential fields in three-dimensional space 9−74968
Troshkov, G.A. *see* Groznova, A.A. 9−96833
Trost, T.F. Electron concentrations in the E and upper D region at Arecibo 9−101014
Trosti, J.J. *see* Nieminen, M. 9−89346
Trotman, R.E. In-house design and construction of scientific apparatus: tradition or safety? 9−80595
Trotman, S.M. *see* Quickenden, T.I. 9−89738
Trotsenko, Z.P. *see* Gerko, V.I. 9−54865
Trotsyuk, N.I. *see* Strashkevich, A.M. 9−76566
Trott, G.W., Beynon, J.H. A comment on smoothing of experimental ion kinetic energy data collected by computer 9−93112
Trott, G.W., Porter, C.J., Beynon, J.H., Brenton, A.G., Morgan, R.P. Improved accuracy and linearity of Hall probes and their application to linked scans 9−88987
Trott, W.M., Blais, N.C., Walters, E.A. Photoionization of carbon disulfide monomers and dimers in a supersonic molecular beam 9−98165
Trotter, D.M., Jr., Craighead, H.G., Sievers, A.J. Design of selective surfaces for solar energy collection 9−52956
Trottier, D. *see* Boulon, G. 9−78746
Trottier, D. *see* Vedrine, A. 9−69084, 9−77574
Trottier, S. *see* Truchet, M. 9−62414
Trottnow, R. *see* Pearson, J.R.A. 9−60020
Troubetzkoy, E.S. Generation of cross-section probability tables 9−80986
Troudet, T., Arvieu, R. Complete solution of the cranked harmonic oscillator 9−67690
Troup, G.J. *see* Baker, P.L. 9−76592
Trousil, J. *see* Prouza, Z. 9−68113
Trout, S.R., Graham, C.D., Jr. Magnetocrystalline anisotropy, magnetostriction and saturation magnetization of $SmCo_5$ single crystals 9−82779
Troutner, D.E. *see* Monzyk, M.A. 9−89337
Trovillion, T.A., Kurzweg, U.H., Elkins, R.E., Lindgren, E.R. Two-dimensional Hartmann flows of fluids with cross-stream dependent electrical conductivity 9−64771
Trowbridge, E.A. Mathematical modelling of some aspects of renal function 9−83841
Troxell, J.R., Chatterjee, A.P., Watkins, G.D., Kimerling, L.C. Recombination-enhanced migration of interstitial aluminum in silicon 9−82201
Troyan, Yu.A. *see* Abdivaliev, A. 9−67569, 9−67570
Troyan, Yu.A. *see* Abdivaliev, L. 9−93568
Troyan, Ye.N. *see* Nakoryakov, V.Ye. 9−98775
Troyanov, M.F. *see* Kazachkovskii, O.D. 9−97803
Troyanovskiĭ, A.M., Volodin, A.P., Khaikin, M.S. Localization of electrons on the surfaces of H_2 and Ne crystals 9−60893
Troyon, F. *see* Wersinger, J.M. 9−90395
Trsic, M. *see* Sanhueza, J.E. 9−63065
Trubetskoi, A.V. *see* Tishchenko, Yu.N. 9−98460
Trubitsyn, V.P. Nonspherical thermoelastic deformations of the Earth 9−74869
Trubitsyn, V.P. The theory of hydrostatic tides 9−84075
Trubitsyn, V.P., Bobrov, A.M., Vasil'ev, P.P. Gravitational potential of the Saturnian system 9−75152
Trubitsyn, V.P. *see* Bobrov, A.M. 9−62773
Trubitsyn, V.P. *see* Efimov, A.B. 9−96934
Trubko, S.V. Effects of pupil shape on ordinary astigmatism 9−98307
Trubnikov, A.S. *see* Anitpov, S.V. 9−77381
Trubnikov, B.A. *see* Korsunskii, M.M. 9−54152
Trubnikov, V.P. *see* Gvozdev, A.A. 9−70321, 9−70322
Truby, F.K. *see* Patterson, E.L. 9−76701
Truchet, M., Trottier, S. Contribution of electrostatic filter and transfer optic equipped with multichannel plate to the study of experimental epilepsy in secondary ions microanalysis 9−62414
Truckenbrodt, A. Behaviour of vibrations in hybrid many-body systems during guided motion of elastic parts 9−90175
True, M.B. *see* Zafiriou, O.C. 9−62522
Truelove, J.S. The mixed grey gas model for radiative transfer in non-isothermal gases 9−97323
Trueman, T.L. *see* Paige, F.E. 9−63538
Truesdell, A.H., Nehring, N.L. Gases and water isotopes in a geochemical section across the Larderello, Italy, geothermal field 9−74920
Truex, T.J., Anderson, J.E. Mass monitoring of carbonaceous aerosols with a spectrophone 9−92112
Truex, W.S., Banerjee, M.K., Cammarata, J.B. Scattering of a pion by the nuclear pion cloud 9−85372
Trufanov, A.N. *see* Blinov, L.M. 9−90530
Trufyakov, V.I. *see* Koval'chuk, V.S. 9−96232
Truhlar, D.G. Accuracy of trajectory calculations and transition state theory for thermal rate constants of atom transfer reactions 9−74371
Truhlar, D.G., Blais, N.C., Hajduk, J.-C.J., Kiefer, J.H. Monte Carlo trajectory study of $Ar+H_2$ collisions: master-equation simulation of a 4500K shock wave experiment with thermal rotation 9−61850
Truhlar, D.G., Dixon, D.A., Eades, R.A. Ab initio SCF probabilities and electron-molecule adiabatic polarisation potentials. I. H_2 9−72229
Truhlar, D.G. *see* Blais, N.C. 9−70307
Truhlar, D.G. *see* Dixon, D.A. 9−89602
Truhlar, D.G. *see* Garrett, B.C. 9−52645, 9−79237
Truhlar, D.G. *see* Gray, J.C. 9−87822
Truhlar, D.G. *see* Green, S. 9−89746
Truhlar, D.G. *see* Mead, C.A. 9−54932
Truhlar, D.G. *see* Mullaney, N.A. 9−59543
Truhlar, D.G. *see* Onda, K. 9−50132
Truhlar, D.G. *see* Rumble, J.R. 9−64106
Truhlik, E. *see* Dogotar, G.E. 9−85256
Truhlik, E. *see* Hosek, J. 9−85255
Trukhan, E.M. *see* Deryabkin, V.N. 9−70535
Trukhanov, E.M., Sharkhov, A.S. New technique for X-ray analysis of crystal topography using a broad beam of radiation 9−86650
Trukhanov, E.M., Stenin, S.I., Noskov, A.G. Dislocations and stresses in a crystal with an island film 9−87015
Trukhanov, G.Ya. *see* Lysov, V.V. 9−71925
Trukhin, M.K. *see* Golovanov, A.L. 9−52192
Trukhov, V.S. *see* Umarov, G.Ya. 9−83621
Trukhtanov, V.A. *see* Gusakovskaya, I.G. 9−62166
Truklik, E. *see* Dogotar, G.E. 9−97658
Trullinger, S.E. *see* Lee, K.C. 9−75357
Trullinger, S.E. *see* Subbaswamy, K.R. 9−58553
Trulsen, J. *see* Weber, W.J. 9−94144
Truman, C.R., Rice, W., Jankowski, D.F. Laminar throughflow of a fluid containing particles between corotating disks 9−77136
Truman, J.E., Pirt, K.R. Effects of various alloying additions on the resistance to oxidation at elevated temperatures of 18% chromium austenitic steel 9−52419
Trumper, J. Neutron stars as cosmic X-ray sources 9−84814
Trumper, J. *see* Sunyaev, R.A. 9−71156
Trundle, A.S. *see* Close, D.A. 9−85692
Trung Dong Khong, Shadi Lal Malhotra, Blanchard, L.-P. A study of the glass transition temperature of asphalts and their viscosity 9−77045
Trung Hua Chon *see* Chon Trung Hua
Trunin, I.I. *see* Golubovskii, E.R. 9−100232
Trunov, A.A., Konovalov, S.F. Apparatus for exact reproduction of accelerations less than g in testing a precision accelerometer 9−71424
Trunov, A.M., Dribinskii, A.V., Kotseruba, A.I. Investigation of air hydrophobically treated electrodes based on complex nickel and cobalt oxides 9−61876
Trunov, N.N. Modelling of the growth of binary FCC metal [alloy] crystals from a melt 9−77536
Trunov, V.K. *see* Starikova, Z.A. 9−60350
Trunov, V.K. *see* Vasilev, E.V. 9−52020
Trunova, T.K. Electrical resistance of glass-melting furnaces with circular section rod electrodes 9−58690
Truol, P. *see* Alder, J.-C. 9−85381
Truol, P. *see* Gabioud, B. 9−67600
Truol, P. *see* Strassner, G. 9−89280
Truol, P. *see* Tran, M.T. 9−93665
Truong, K.D. *see* Bandrauk, A.D. 9−61362
Truong, T.K. *see* Reed, I.S. 9−66557, 9−83946
Truong, T.T. *see* Schroer, B. 9−71614, 9−75685
Truong, V.V. *see* Chee, K.T. 9−78767
Truong Thu Ba *see* Thu Ba Truong
Truong Van Khiem *see* Nouailhat, A. 9−83036
Truran, J.W. *see* Littleton, J.E. 9−62810
Truscello, V. *see* Ferber, R.R. 9−52900
Truscott, W.S. *see* Brewer, D.F. 9−51388
Trush, G.I. *see* Lisyanskii, A.A. 9−82580
Trushchenko, A.A. Through defects in weld joints 9−52599
Trushevskii, A.A. *see* Kobylinskii, N.A. 9−89136
Trushin, E.V. *see* Apollonov, V.V. 9−72603
Trushin, E.V. *see* Prokhorov, A.M. 9−84675
Trushin, S.A. *see* Bertel', I.M. 9−89887, 9−94205
Trushin, S.A. *see* Leshenyuk, N.S. 9−94067
Trushkov, A.I., Lyubimov, I.S., Bartenev, G.M., Boznesenskii, V.A. A seven-factor mathematical model of the horizontal-annealing process for flat glass 9−61615
Trushkov, N.P. *see* Rauzen, F.V. 9−71926
Truskova, N.F. Crossings of terms in the quantum mechanical two-centre problem and representations of O(2,2)×O(2,2), and O(3,1)×O(3,1) groups 9−92992
Trusler, A.G. Sync pulses from the TIROS-N satellite 9−53577

Trusov, L.I., Chernov, A.A. Ratios between rates of thermal dissociation, desorption, and diffusion of adsorbed molecules 9—95265
Trusov, L.I., Petrunin, V.F., Kats, E.I. Spinodal decomposition in ultradisperse particles 9—82340
Trusova, E.M. *see* Leonov, A.I. 9—51269
Trustrum, K., Jayatilaka, A. De S. On estimating the Weibull modulus for a brittle material 9—55344
Trusty, G.L. *see* Dowling, J.A. 9—53521
Truszkowski, W., Pospiech, J., Jura, J., Betzl, M. Non-homogeneity of texture in the rolling of nickel 9—91670
Truszkowski, W., Pospiech, J., Mucklich, A. Quantitative texture evaluation on the basis of X-ray and neutron diffraction analysis 9—91882
Trutna, W.R., Jr., Yong Kwan Park, Byer, R.L. The dependence of Raman gain on pump laser bandwidth 9—81483
Trutnev, A.L. *see* Kaibyshev, V.Z. 9—64925
Trutsevich, E.V. *see* Trefilov, V.I. 9—65084
Truttmann, P., Brandle, H., Roesch, L.Ph., Telegdi, V.L., Zehnder, A., Grenacs, L. Qualitative measurement of the longitudinal recoil polarization in the reaction $^{12}C(\mu^-,\nu)^{12}B(g.s.)$ 9—54429
Trykov, Yu.P., Petrovskaya, L.M., Tsaturyan, Yu.A. Measuring multiblade-tool angles by means of shadow-section method 9—71410
Trykov, Yu.P. *see* Pokataev, E.P. 9—83285
Trykova, V.I. *see* Biryukov, N.S. 9—67666, 9—80940
Trylinski, W. *see* Maciszewski, A. 9—71449
Tryzna, B. A two-conductor transducer of pressure to current, using a semiconductor pressure sensor 9—97374
Trzaskoma, W.P. *see* Sherwood, W.G. 9—83616
Trzesowski, A. On macroscopic stresses in a multi-component medium 9—63040
Tsagareishvili, G.V. *see* Tavadze, F.N. 9—78871
Tsagov, Kh.A. *see* Rakhshtadt, A.G. 9—100199
Tsagova, L.E. *see* Apshev, S.Zh. 9—80165
Tsai, C. *see* Eubank, H. 9—82074
Tsai, C.C. Characterization of amorphous semiconducting silicon-boron alloys prepared by plasma decomposition 9—69828
Tsai, C.C., Fritzsche, H. Effect of annealing on the optical properties of plasma deposited amorphous hydrogenated silicon 9—56874
Tsai, C.C. *see* Fritzsche, H. 9—82472
Tsai, C.C. *see* Menon, M.M. 9—76238
Tsai, C.C. *see* Stirling, W.L. 9—68117, 9—97920
Tsai, C.F. *see* Chan, S.H. 9—93773
Tsai, C.L., Waldorf, D., Tanaka, K., Grenier, C.G. Mutual drag effect in the ideal resistivity of antimony 9—73507
Tsai, C.L. *see* Thompson, C.W., Jr. 9—60460
Tsai, C.L. *see* Weinstock, H. 9—60792
Tsai, C.S. Acousto-optical multiplexing and demultiplexing techniques for multigigabits/sec digital laser communication systems 9—86132
Tsai, C.S., Lee, C.C., Yao, I.W. Wideband integrated optic signal processors 9—89864
Tsai, C.S. *see* Kim, B. 9—81572
Tsai, C.S. *see* Lee, C.C. 9—50446
Tsai, C.S. *see* Mergerian, D. 9—50444
Tsai, H.C., Neimark, L.A. Behavior of unirradiated sodium-bonded carbide during mild overpower transients 9—49761
Tsai, J.C.C. *see* Fair, R.B. 9—66178
Tsai, J.H. *see* Yeong Der Yao 9—82781
Tsai, M.J. *see* Pimmel, R.L. 9—92277
Tsai, M.-J., Pimmel, R.L. Computation of respiratory resistance, compliance, and inertance from forced oscillatory impedance data 9—83821
Tsai, M.Y., Day, D.S., Streetman, B.G., Williams, P., Evans, C.A., Jr. Recrystallization of implanted amorphous silicon layers. II. Migration of fluorine in BF_2^+-implanted silicon 9—55763
Tsai, M.Y., Streetman, B.F., Deline, V.R., Evans, C.A., Jr. Gallium distribution and electrical activation in Ga^+-implanted Si 9—69152
Tsai, M.Y., Streetman, B.G. Recrystallization of implanted amorphous silicon layers. I. Electrical properties of silicon implanted with BF_2^+ or $Si^+ + B^+$ 9—55762
Tsai, M.Y., Streetman, B.G., Blattner, R.J., Evans, C.A., Jr. Study of surface contamination produced during high dose ion implantation 9—70374
Tsai, M.Y. *see* Day, D.S. 9—99501
Tsai, M.Y. *see* Tsu, R. 9—77613
Tsai, N.-H. *see* Abraham, F.F. 9—69256
Tsai, R.C. *see* Barker, R.E., Jr. 9—69291
Tsai, S.S., Gasser, R.D., Albright, D.C. An evaluation of postulated sodium spills and fires in an LMFBR 9—54480
Tsai, S.Y. The upsilons interpreted as colored particles 9—54322
Tsai Du Yih *see* Du Yih Tsai
Tsai Nan-Hsiung *see* Nan-Hsiung Tsai
Tsai Shang-Fang *see* Shang-Fang Tsai
Tsai Wu-yang *see* Wu-yang Tsai
Tsai Yung Su *see* Yung Su Tsai
Tsaitts, E.S. *see* Kalinovskii, A.V. 9—88331
Tsakadze, J.S. *see* Andronikashvili, E.L. 9—55971
Tsakadze, J.S. *see* Nadirashvili, Z.Sh. 9—51326, 9—99381
Tsakadze, S.J. *see* Andronikashvili, E.L. 9—55971
Tsakalakos, T. The supermodulus effect: one-dimensional modulated structures in spinodal alloys 9—95068
Tsakh, G.G. *see* Bevza, Yu.G. 9—91189
Tsakiropoulos, P. *see* Buckle, E.R. 9—66366
Tsakopoulos, A. *see* Skoulikidis, Th. 9—52418
Tsalko, E.A. *see* Vyskubenko, Yu.A. 9—55409
Tsalkova, T.N. *see* Privalov, P.L. 9—92135
Tsamalaschvili, L.V. *see* Kaladze, T.D. 9—73024
Tsamalashvili, L.V. *see* Mikhailovskii, A.B. 9—55487
Tsamasphyros, G., Theocaris, P.S. On the solution of the sector problem 9—97204
Tsamasphyros, G.J., Theocaris, P.S. A general bi-orthogonality condition: application to plane elasticity problems 9—80442
Tsang, C., Street, R.A. Recombination in plasma-deposited amorphous Si-H. Luminescence decay 9—73989
Tsang, D.W., Schwarz, S.E. Transport theory of high-frequency rectification in Schottky barriers 9—82660
Tsang, F.Y., Brugger, R.M. Measurement of the Doppler effect in uranium-238 9—97704
Tsang, J.C., Kirtley, J. Anomalous surface enhanced molecular Raman scattering from inelastic tunneling spectroscopy junctions 9—72324
Tsang, J.C., Kirtley, J.R., Bradley, J.A. Surface-enhanced Raman spectroscopy and surface plasmons 9—98111
Tsang, J.C. *see* Tsu, R. 9—73197
Tsang, K.T., Whitson, J.C., Smith, J. Numerical study of drift-Alfven waves in a sheared magnetic field 9—94788
Tsang, K.T. *see* Catto, P.J. 9—77365
Tsang, L., Kong, J.A. Asymptotic methods for the first compressional head wave arrival in a fluid-filled borehole 9—50482
Tsang, L., Kong, J.A. Modified modal theory of transient response in layered media 9—71255
Tsang, L., Kong, J.A. Radiative transfer theory for scattering by layered media [remote sensing of Earth surface] 9—76553
Tsang, S.K. Square lattice variational approximations applied to the Ising model 9—56555
Tsang, T. A convolution approximation for Van Hove correlation function in liquids 9—82136
Tsang, T. *see* O'Reilly, D.E. 9—82402
Tsang, T. *see* Peterson, E.M. 9—69735
Tsang, W. *see* Braun, W. 9—52716
Tsang, W.M., Cameron, D.C., Duncan, W. Junction characteristics of Al-Al_2O_3-CdS diodes fabricated by molecular beam epitaxy 9—65550
Tsang, W.M. *see* Cameron, D.C. 9—82481
Tsang, W.T. Low-current-threshold and high-lasing uniformity GaAs-$Al_xGa_{1-x}As$ double-heterostructure lasers grown by molecular beam epitaxy 9—64223
Tsang, W.T., Logan, R.A. GaAs-$Al_xGa_{1-x}As$ strip buried heterostructure lasers 9—81425
Tsang, W.T., Logan, R.A., Johnson, L.F. GaAs-$Al_xGa_{1-x}As$ strip-buried-heterostructure lasers with lateral-evanescent-field distributed feedback 9—76696
Tsang, W.T., Logan, R.A., Johnson, L.F. Channeled-substrate-planar-structure semiconductor lasers with lateral-evanescent-field distributed feedback 9—98398
Tsang, W.T., Logan, R.A., van der Ziel, J.P. Low-current-threshold strip-buried-heterostructure lasers with self-aligned current injection stripes 9—72581
Tsang, W.T., Olmstead, M., Chang, R.P.H. Multidielectrics for GaAs MIS devices using composition-graded $Al_xGa_{1-x}As$ and oxidized AlAs 9—65333
Tsang, W.T. *see* Hartman, R.L. 9—94234
Tsangarides, M.C., Wills, J.G., Bent, R.D. Proton-induced pion production and the one-nucleon model 9—85415
Tsangaris, S. Conical supersonic flow around yawed circular cones in the transonic region 9—77175
Tsankov, L.T. The inverse problem of Mossbauer spectroscopy in RF vibrating crystals 9—78574
Tsanq Chin Fu *see* Chin Fu Tsanq
Tsao, H.-S. *see* Beg, M.A.B. 9—63372
Tsao, J.Y., Sharp, R.C., Yablonovitch, E. Digital feedback stabilization of a single-axial-mode CO_2 TEA laser 9—89928
Tsao Chih-yuan, Yang Sheng-tien An expression for the mechanical calculation of bent structural elements 9—72834
Tsao-fan Chao *see* Chao Tsao-fan
Tsao-fang Chao *see* Chao Tsao-fang
Tsapin, A.I. *see* Blyumenfel'd, L.A. 9—79490
Tsapin, A.I. *see* Gol'dfel'd, M.G. 9—53061
Tsapko, A.G. *see* Butusov, M.M. 9—91546
Tsaplev, Yu.B. *see* Zatsepina, G.N. 9—57838
Tsapuk, A.K., Podobeda, L.G., Kovalevskii, N.N. Oxidation of materials based on boron nitride 9—96171
Tsaran, V.M. *see* Dudenkov, A.V. 9—78708
Tsarev, P.K., Lipatov, Yu.S. The study of the mechanical properties of coating using transfer functions 9—87644
Tsarev, V.A. Dynamics of hadron dissociation 9—75752
Tsarev, V.I. *see* Kalmakov, A.A. 9—66382
Tsarev, V.I. *see* Zhiglinskii, A.G. 9—52828
Tsareva, G.A. *see* Solodkov, F.B. 9—57785
Tsarfin, V.Ya. *see* Gudkov, L.D. 9—68371
Tsarfin, V.Ya. *see* Moroz, E.V. 9—67252
Tsaryuk, V.I. *see* Amiryan, A.M. 9—56849
Tsaryuk, V.I. *see* Zolin, V.F. 9—56850
Tsatsaronis, G. Prediction of propagating laminar flames in methane, oxygen, nitrogen mixtures 9—52663
Tsatsas, A.T. *see* Rouse, G.B. 9—87436
Tsaturyan, A.K., Izakov, V.Ya. Mathematical model of the coupling of excitation with contraction in the heart muscle 9—96542
Tsaturyan, Yu.A. *see* Trykov, Yu.P. 9—71410
Tsaumzail, P. *see* Getts, K. 9—68953
Tsaune, A.Ya., Aprasyukhin, A.I., Glushkov, V.N. Optimization of the rotations of the basis in the calculation of the derivatives of the static polarizability of molecules by the Tang-Albrecht method 9—54990
Tsaur, B.Y., Liau, Z.L., Mayer, J.W. Formation of Si-enriched metastable compounds in the Pt-Si system using ion bombardment and post annealing 9—69143
Tsaur, B.Y., Liau, Z.L., Mayer, J.W., Sheng, T.T. Inert-gas-bubble formation in the implanted metal/Si system 9—90682
Tsaur, B.Y. *see* Golecki, I. 9—69378
Tsaur, B.Y. *see* Liau, Z.L. 9—51438, 9—69147, 9—70364, 9—78806
Tsay, C.-Y., Chi, C.-N., Kao, S.K. Contributions to the growth and decay of large-scale eddy available potential energy 9—58058
Tsay, L.J. A spatial analysis of upward continuation of potential field data 9—74828
Tsay, Y.F., Vaidyanathan, A., Mitra, S.S. Electronic structure and optical properties of cubic BN 9—78008
Tsay, Y.F. *see* Vaidyanathan, A. 9—60702
Tsay Ching-Yen *see* Ching-Yen Tsay
Tsay Wei-shin *see* Wei-shin Tsay
Tscharnuter, W. *see* Bodenheimer, P. 9—62737
Tscharnuter, W. *see* Morfill, G. 9—58401
Tscharnuter, W.M. Collapse of the presolar nebula 9—58281
Tschebull, W. *see* Schmid, R. 9—70300
Tschegg, E., Kubasta, E., Steiner, W. A top loading 200 kN tensile testing cryostat 9—96235
Tscheschner, W. Automatic speech processing 9—50532
Tschirhart, J.T. *see* Hamlen, S.S. 9—83571
Tschoke, H. *see* Moller, R. 9—97794
Tschudi, T. Depth measurement of bright flat holes by means of projected fringe pattern methods 9—75583
Tschudi, T., Weber, H.P., Stadler, A. Incoherent optical correlator using projected fringes patterns 9—97357
Tschudi, T. *see* Heiniger, F. 9—74816, 9—75488
Tschudi, T. *see* Laeri, F. 9—59646
Tschunko, H.F.A. Apodization and image contrast 9—59640
Tschurlovits, M., Niesner, R. On the optimization of liquid scintillation counting of aqueous solutions 9—76269
Tse, K.S. *see* Antonissen, L.A. 9—100648
Tse Yu Liang *see* Liang Tse Yu
Tseber, A.O. Dependence of the viscosity coefficients of nematic liquid crystals on the order parameter 9—77503
Tsebers, A.O. Torques and hydrodynamics of a magnetic fluid in homogeneous rotating magnetic fields 9—94632
Tsebers, A.O. *see* Maiorov, M.M. 9—57301
Tsederberg, N.V., Popov, V.N., Panchenko, S.V. Interaction of heat conduction and radiation in plane gas layer in the presence of a band spectrum 9—55307
Tsegel'skii, V.G., Chernukhin, V.A., Glubokovskii, S.I. Calculation of a fluid-gas spray apparatus with a conical mixing chamber 9—50820
Tseitina, T.Z. *see* Eidel'berg, M.I. 9—52511
Tseitlin, E.M. *see* Satunkin, G.A. 9—94936
Tseitlin, G.M. *see* Gerasimenko, N.N. 9—95863
Tseitlin, M.N. *see* Kurbanov, Kh.M. 9—95916
Tseitlin, S.D. *see* Popov, Yu.A. 9—79207
Tseitlin, V.G. *see* Polyachenko, A.L. 9—84541
Tseitlin, V.G. *see* Voronov, G.N. 9—74475
Tseitlin, Ya.M. Normal conditions for linear and angular measurements in feedback monitoring 9—75492
Tsekeris, J. *see* Bliman, S. 9—94080
Tsekvava, B.E. *see* Demidenko, A.A. 9—61405
Tselinko, A.M. *see* Danileiko, M.V. 9—59672
Tsendin, L.D. Positive column of a low-density, low-pressure discharge. II. Ion motion and radial potential distribution 9—55599
Tsendin, L.D. *see* Rozhanskii, V.A. 9—55563, 9—98867
Tsendin, L.D. *see* Rozhanskiy, V.A. 9—53610
Tsendrovskii, V.A. *see* Kalyuzhnyi, V.M. 9—67408
Tsendrovskii, V.A. *see* Kartuzhanskii, A.L. 9—51684

Tseng, A.A., Berry, J.T. The calculation of stress intensity factors using special three-dimensional elements 9—94556
Tseng, C.M. Deaerator dynamics 9—93708
Tseng, H.H. *see* Chan, S.H. 9—80980
Tseng, H.K., Pratt, R.H. Electron bremsstrahlung energy spectra above 2 MeV 9—72416
Tseng, P.K., Chuang, S.Y., Chen, H.S. Mossbauer effect in an aged metallic glass 9—91318
Tseng, P.K., Chuang, S.Y., Chen, S.-H., Tao, S.J. Positronium formation in xenon gas near the critical point 9—86091
Tseng, P.K. *see* Hsu, F.H. 9—83051
Tseng, W. On transonic flow in a nozzle 9—98779
Tseng, W. *see* Kennedy, E.F. 9—51152, 9—69134
Tseng, W.E. *see* Golecki, I. 9—77952
Tseng, W.F. *see* Lau, S.S. 9—69374, 9—70084
Tseng, W.F. *see* Tandon, J.L. 9—69118
Tseng Chi-yuan *see* Tai Chang-ta 9—53551
Tseng Chim-Yan *see* Zeng Jin-Yan 9—49568
Tseng Hsein Che *see* Hsein Che Tseng
Tsenter, M.Ya. *see* Alekseeva, I.P. 9—78677
Tsepelevich, S.O. *see* Tsvetkov, V.N. 9—55643
Tseren, Ch. *see* Pak, A.S. 9—80953, 9—89327
Tserklevich, A.L. *see* Meshcheryakov, G.A. 9—62784
Tsernoglou, D. *see* Frauenfelder, H. 9—92133
Tsertsvadze, A.A. *see* Gerasimov, A.B. 9—90824
Tsesnak, L. *see* Kabat, D. 9—67353
Tsesnek, L.S. *see* Bogdanov, A.P. 9—72724, 9—81579
Tsesnek, L.S. *see* Chirkov, V.M. 9—81509
Tseung, A.C. *see* Goffe, R.A. 9—57251
Tseung, A.C.C., Goffe, R.A. In vivo reference electrodes 9—52687
Tseung, A.C.C. *see* Chan, H.C. 9—96189
Tsevelev, G.S. *see* Gronskii, V.I. 9—67243
Tsibin, I.P. *see* Ignatova, T.S. 9—83244
Tsibizov, V.D. *see* Basov, Yu.G. 9—55605
Tsibulya, A.B. *see* Filimonov, V.P. 9—50394
Tsidelko, V.D., Tumanov, Yu.G., Litvinov, A.M. Measuring system for testing parameters of gases 9—67318
Tsidilkovski, I.M. *see* Arapov, U.G. 9—82560
Tsidil'kovskii, I.M., Yakunin, M.V. Magnetophonon resonance of holes in InSb 9—95424
Tsidylo, K.V. *see* Freik, D.M. 9—68974
Tsifrinovich, V.I. *see* Glozman, E.A. 9—73852
Tsikhotskii, E.S. *see* Smotrakov, V.G. 9—100041
Tsilibin, V.I. *see* Pospelov, V.V. 9—56325
Tsimanskii, Yu.P. *see* Kel'zon, A.S. 9—81801
Tsimmerman, S.S. *see* Semenova, A.I. 9—86867
Tsimring, Sh.E. *see* Lygin, V.K. 9—86127
Tsin, A.T.C., Beatty, D.D. Goldfish rhodopsin: P499, 9—53111
Tsin-yuan Yang *see* Yang Tsin-yuan
Tsinganos, K.C. Sunspots and the physics of magnetic flux tubes. IV. Aerodynamic lift on a thin cylinder in convective flows 9—101126
Tsinober, A.B. *see* Pleshanov, A.S. 9—98814
Tsinober, L.I., Samoilovich, M.I. Asymmetrization of crystals in the growth process. Sectorial structure and structural ordering 9—90581
Tsintsadze, G.A. *see* Vasyukov, V.N. 9—65720
Tsintsadze, N.L., Tskhakaya, D.D., Stenflo, L. Modulational instabilities due to relativistic electron mass variations 9—77363
Tsintsadze, N.L. *see* Kerashvili, L.M. 9—55539
Tsintsadze, V.D. *see* Boos, E.G. 9—89203
Tsioumis, A., Fricke, W. A contribution to the kinematics of the Gould Belt 9—67089
Tsipenyuk, Yu.M. *see* Zhuchko, V.E. 9—97739
Tsipinyuk, B.A., Veksler, V.I. Energy spectra of secondary ions and secondary ion emission (SIE) mechanisms 9—100013
Tsipinyuk, B.A. *see* Belykh, S.F. 9—74046
Tsipinyuk, B.A. *see* Pazdzerskii, V.A. 9—68310
Tsiprin, M.G. Nonlinear shear response of fluid polymers during periodic deformation. Basic harmonics 9—100202
Tsirel'son, V.G. Scattering of X-rays by bonding electrons 9—99026
Tsirlin, A.M. Evaluation of quality of boron fibres from morphological and fractographic characteristics 9—70150
Tsirlin, Yu.A., Vinograd, E.L., Gurevich, N.Yu., Bugai, E.A., Lifshits, A.L. Effect of temperature on radiation-induced coloration of detectors based on thallium-activated sodium iodate crystals 9—72204
Tsirul'nik, P.N. *see* Volkova, N.V. 9—72636
Tsirul'nikov, L.M. *see* Puchinyan, S.N. 9—83678
Tsisarenko, A.N. *see* Marchuk, I.V. 9—57780
Tsiskarishvili, G.P. *see* Andrianov, D.G. 9—73672
Tsisun, S.P. *see* Klibanov, L.I. 9—75548
Tsitsishvili, E.G. *see* Akopov, L.I. 9—72510
Tsitsishvili, E.G. *see* Bagdavadze, V.N. 9—69812
Tsitsishvili, V.G., Grinberg, V.Ya., Fedin, E.I., Tolstoguzov, V.B. The diffusion of water molecules in water solutions of dextrane as studied by the impulse PMR method 9—51290
Tsivenko, V.I. *see* Evlampiev, A.I. 9—52596
Tsivtsivadze, E.T. *see* Abesalashvili, L.N. 9—80856
Tskhakaya, D.D. *see* Tsintsadze, N.L. 9—77363
Tskhakaya, V.K. *see* Zykov, B.M. 9—52430
Tslaf, A. *see* Sandler, B.Z. 9—77032
Ts'o, D.Y. *see* Kan, L.S. 9—86095
Ts'o, P.O.P. *see* Kan, L.S. 9—86095
Tso-Hsiu Ho *see* Ho Tso-Hsiu
Tsobkallo, E.S. *see* Korsukov, V.E. 9—95301
Tsobol, E. *see* Ginstler, Ya. 9—66233
Tsofina, L.M., Khashayev, Z.Kh.-M., Dadayan, M.A. Effect of inhalation anaesthetics on the conductivity and time of adhesion of lipid membranes 9—53070
Tsoh, B.H.-P. *see* Ingling, C.L., Jr. 9—53120
Tsoi, A.A. *see* Aref'ev, K.P. 9—51530
Tsoi, D.N. On the energy method of analysis of plastic deformation of anisotropic billets 9—98629
Tsoi, P.I. *see* Fedorov, A.Ya. 9—86544
Tsoi, V.S. *see* Bozhko, S.I. 9—91036
Tsois, N., Zoita, V., Mandache, B.N., Zaharescu, M., Vlad, M., Cebanu, A., Chera, I. Neutron measurements on a plasma focus device 9—90475
Tsomaya, P.V. *see* Atenelashvili, M.I. 9—84626
Tsonev, L. *see* Mashev, L. 9—55204
Tsong, I.S.T., Corredor, A., White, W.B., Tolk, N.H., Kraus, J.S. An estimation of the quantum yield in the candoluminescence process by low energy H^+ ion bombardment 9—65930
Tsong, I.S.T. *see* Clark, G.J. 9—60396
Tsong, T.T. Field penetration and band bending for semiconductor of simple geometries in high electric fields 9—87106
Tsong, T.T., Cowan, P.L. Behavior and properties of single atoms on metal surfaces 9—51422
Tsong, T.T., Sweeney, J. Direct observation of the atomic structure of W{100} surfaces 9—73384
Tsong, T.T. *see* Herman, M.H. 9—78851
Tsong, T.T. *see* Ng, Y.S. 9—77883
Tsong, T.T. *see* Viswanathan, B. 9—83109
Tsonopoulos, C. Second virial coefficients of water pollutants 9—52965
Tsoriev, S.O. The effect of the initial structure of a high-strength steel on the resistance of the weld zone to cold cracking in welding 9—91720
Tsotsos, J., Covvey, H.D., Mylopoulos, J., Wigle, E.D. Gross and segmental motion analysis in dynamic cardiac imagery 9—70632
Tsou, J.J. *see* Smith, J.L. 9—78344
Tsou, L.-Y., Auerbach, D.J., Wharton, L. Polarized, rotationally state-selected cross sections and anisotropic intermolecular potentials for LiF on Ar 9—72398
Tsou-hsin Wang *see* Wang Tsou-hsin
Tsoukalas, J. *see* Kyriakos, D.S. 9—73719
Tsoulfanidis, N., Jankhah, M.H. Economic performance of liquid-metal fast breeder reactor and gas-cooled fast reactor radial blankets 9—59163
Tsoulfanidis, N. *see* Jankhah, M.H. 9—49654
Tsoupakis, E. *see* Antonacopoulos, G. 9—75078, 9—80474
Tsoupas, N. *see* Terry, G.H. 9—67729
Tsovbun, V.I. *see* Baldin, A.M. 9—72125
Tsu, R., Baglin, J.E., Lasher, G.J., Tsang, J.C. Laser induced damage and recrystallization of ion implanted GaAs by frequency-doubled Nd:YAG laser 9—73197
Tsu, R., Baglin, J.E., Tan, T.Y., Tsai, M.Y., Park, K.C., Hodgson, R. Laser recrystallization of ion-implanted Si by frequency-doubled Nd:YAG laser 9—77613
Tsu, R., Hodgson, R.T., Teh Yu Tan, Baglin, J.E. Order-disorder transition in single-crystal silicon induced by pulsed UV laser irradiation 9—60400
Tsu, R. *see* Tan, T.Y. 9—69012, 9—73098
Tsu, Y., Shiraishi, Y., Takano, K., Watanabe, S. The velocity of ultrasonic wave in liquid tin, lead and zinc 9—60438
Tsu-Chang Hung Water monitoring systems in Taiwan 9—57511
Tsubaki, J., Jimbo, G. A proposed new characterization of particle shape and its application 9—74109
Tsubaki, J., Jimbo, G. The identification of particles using diagrams and distributions of shape indices 9—74110
Tsubaki, K., Ando, S., Oe, K., Sugiyama, K. Surface damage in InP induced during SiO_2 deposition by RF sputtering 9—78879
Tsubaki, K., Kubota, E., Sugiyama, K. Electron traps in n-InP grown by the synthesis solute-diffusion method 9—90987
Tsubaki, K. *see* Okazaki, R. 9—83583
Tsubakino, H., Nozato, R. On the relationship between the discontinuous precipitation and continuous precipitation in Cu-Be alloys 9—100144
Tsuboi, F. *see* Kozima, H. 9—64889
Tsuboi, T. Charge transfer band in alkali halides containing Tl^+-type ion 9—73977
Tsuboi, T. New trapped-electron and trapped-hole centres in X-rayed KCl:Tl^+ crystals 9—99912
Tsuboi, T. *see* Kurihara, A. 9—58740
Tsubokawa, M. *see* Kimura, H. 9—60405
Tsubota, H., Oikawa, S., Uegaki, J., Tamae, T. The (γ,p_0) reactions in the giant dipole resonance region of ^{51}V and ^{52}Cr nuclei 9—63655
Tsubouchi, K., Higuchi, T., Nagao, M., Nikoshiba, N. Charge transfer by surface acoustic waves on monolithic MIS structure 9—56327
Tsubouchi, S. *see* Hirose, M. 9—100173
Tsuchida, E., Uchiyama, N., Nakahara, I., Kodama, M. On the asymmetric problem of elasticity theory for an infinite elastic solid containing some spherical cavities. II. An infinite solid containing three spherical cavities 9—98616
Tsuchida, E. *see* Mizoguchi, K. 9—83456
Tsuchida, K., Abe, R. Anomalous temperature dependence of D tensor in the ESR spectrum of Fe^{3+} ions doped in KDP and DKDP crystals 9—61205
Tsuchida, T. *see* Tanigawa, S. 9—65658
Tsuchihashi, S. *see* Ishikawa, T. 9—96174
Tsuchihira, T. *see* Sugai, S. 9—90776
Tsuchiya, H., Imoto, N. Dispersion-free single-mode fibre in 1.5 μm wavelength region 9—76831
Tsuchiya, H., Shimizu, N., Izawa, T. Single mode fiber connectors 9—90022
Tsuchiya, H. *see* Fukami, T. 9—65474
Tsuchiya, H. *see* Hakakeyama, I. 9—90021
Tsuchiya, H. *see* Machida, S. 9—50385, 9—81535
Tsuchiya, H. *see* Murakami, Y. 9—59802
Tsuchiya, H. *see* Shimizu, N. 9—81557
Tsuchiya, H. *see* Tanaka, Y. 9—87863
Tsuchiya, K. Remote sensing by artificial satellite 9—74977
Tsuchiya, K. *see* Ishihara, N. 9—85860
Tsuchiya, M., Taira, T. A new ionization method for organic compounds. Liquid ionization at atmospheric pressure utilizing Penning effect and chemical ionization 9—93255
Tsuchiya, S. *see* Horiguchi, H. 9—89752
Tsuchiya, T. Halogen leak test 9—93153
Tsuchiya, T. *see* Niwa, Y. 9—54998
Tsuchiya, T. *see* Tamaoki, T. 9—97854
Tsuchiya, Y., Noguchi, S., Hasegawa, M. Positronium formation in ultrafine particles of 3d-transition metals 9—61462
Tsuchiya, Y. *see* Hsu, J.R.C. 9—50741
Tsuchiya, Y. *see* Kawakubo, T. 9—75483
Tsuchiya, Y. *see* Takeda, S. 9—87232
Tsuda, I. *see* Tomita, K. 9—77293
Tsuda, I. *see* Yamada, Y. 9—82101
Tsuda, M. The trend of medical equipment manufactured by Shimadzu 9—88209
Tsuda, M., Hirakawa, S., Matsunaka, T., Hayakawa, T., Ohmori, S., Izmui, M. Shimadzu diagnostic ultrasound equipment model DSU-100 9—88146
Tsuda, M., Touhara, H., Nakanishi, K., Kitaura, K., Morokuma, K. Calorimetric and molecular orbital studies of hydrogen bonding between hydrogen fluoride and cyclic ethers 9—52738
Tsuda, M. *see* Nakanishi, T. 9—92354
Tsuda, N. *see* Minami, F. 9—83104
Tsuda, S., Okami, K., Yamaga, M., Ogawa, H. Quick charge characteristics of sealed nickel-cadmium rechargeable batteries 9—83587
Tsuda, T. *see* Amano, K. 9—66886
Tsuda, T. *see* Aso, T. 9—66851
Tsuda, T. *see* Ugai, M. 9—72998, 9—92644
Tsudagawa, M., Yamada, H., Tsutsumi, S. Circular involute reticle used in optical searching systems 9—98505
Tsue, C.K. *see* Chen, J.M. 9—74484
Tsuei, C.C. *see* Agyeman, K. 9—60951
Tsuei, C.C. *see* Johnson, W.L. 9—91179
Tsuei, C.C. *see* Laibowitz, R.B. 9—65614
Tsugawa, R.T. *see* Gaines, J.R. 9—73832
Tsugawa, R.T. *see* Souers, P.C. 9—67947
Tsuge, S. Separation of variables in the two-point BBGKY equations 9—50707
Tsugu, T. *see* Kondo, M. 9—53230
Tsui, D.C., Logan, R.A. Observation of two-dimensional electrons in LPE-grown GaAs-$Al_xGa_{1-x}As$ heterojunctions 9—99606
Tsui, D.C. *see* Wagner, R.J. 9—60925
Tsui, E.T., Budinger, T.F. A stochastic filter for transverse section reconstruction 9—66513
Tsui, H.T., Lam, K.P. On the problems of classification of weather contour maps 9—79999
Tsui, K.H. *see* Oakes, M.E. 9—60120
Tsui, W.L. *see* Chan, Y.W. 9—94143
Tsuji, H., Sekiguchi, T., Sato, K. Properties of plasmas produced by counter-incident double laser-beam irradiation on to a thin-wire target in uniform magnetic field 9—94810
Tsuji, H. *see* Kikuta, Y. 9—52377
Tsuji, H. *see* Takeuchi, T. 9—66435
Tsuji, K. *see* Tsuji, M. 9—68251
Tsuji, M., Shigesawa, H., Takiyama, K. Eigenvalues of a non-confocal resonator with an output-coupling aperture 9—55163
Tsuji, M., Shigesawa, H., Takiyama, K. Eigenvalues of a nonconfocal laser resonator with an output-coupling aperture 9—72600
Tsuji, M., Tsuji, K., Nishimura, Y. Emission spectrum of nitrous oxide in a helium afterglow 9—68251
Tsuji, S. *see* Mizoguchi, K. 9—83456
Tsuji, S. *see* Ootsuka, K. 9—83683
Tsuji, T. Atmospheres of red supergiant stars. III. Light scattering in the circumstellar dust shell and its effect upon the stellar interferometry 9—80309

Tsuji, T., Lavker, R.M., Kligman, A.M. A new method for scanning electron microscopic visualization of dermal elastic fibres 9—84036

Tsuji, Y. Crosslinking of polyethylene by electron beam irradiation 9—70353

Tsuji, Y., Tada, K. Electrical properties and oxidization of irradiated polyethylene by electron beam 9—87092

Tsujikawa, H. *see* Hirao, Y. 9—72117

Tsujikawa, I. *see* Kobayashi, M. 9—78259

Tsujikawa, M. *see* Ohta, I. 9—49905

Tsujikawa, S. *see* Kon, K. 9—96202

Tsujikawa, S. *see* Sato, A. 9—79158

Tsujimoto, I. *see* Takahashi, T. 9—90571

Tsujimura, T., Hikita, H. The breaking interaction of 0ZI rule for pseudoscalar bosons and the decays of $\eta_c(2830)$ and ψ 9—97597

Tsujinishi, R. *see* Tsukada, N. 9—76634, 9—94339

Tsujino, K., Yamamoto, M., Tokunaga, A., Yonezawa, F. Numerical results for electron localization with site-diagonal and off-diagonal disorder 9—73472

Tsujita, Y. *see* Matsukura, T. 9—70376

Tsujiuchi, J. *see* Honda, T. 9—76627

Tsujiura, M. Spectral analysis of the coda waves from local earthquakes 9—66639

Tsukabayashi, I., Yagishita, T. Propagation of circular solitary wave on shallow-water 9—55397

Tsukada, E., Horikawa, H., Itoh, H., Izawa, T. Color strip film used in microfilm retrieval equipment 9—97455

Tsukada, N. Saturation effects of a two-level system in two RF fields 9—59660

Tsukada, N., Tsujinishi, R., Tomishima, K. Effects of the relative phase relationships of gratings on diffraction from thick holograms 9—76634

Tsukada, N., Tsujinishi, R., Tomishima, K. High-efficiency coupling between phase-mismatched optical waveguides 9—94339

Tsukada, T., Hosokawa, N. Adhesion of copper films on ABS polymers deposited in an internal magnet magnetron sputtering system 9—83121

Tsukahara, N., Bando, T. Plasticity of the neuronal network 9—57693

Tsukamoto, C. *see* Furukawa, K. 9—70325

Tsukamoto, M. Characteristics of a SAW filter with three inclined and tapered transducers 9—81637

Tsukamoto, M. *see* Ibe, E. 9—49243

Tsukamoto, O. Propagation velocities of normal zones in a forced-flow cooled superconductor 9—82732

Tsukamoto, T., Kawazoe, Y. Momentum-transfer dependence of the width of giant multipole resonances 9—54420

Tsukanov, P.N. *see* Polyakova, I.B. 9—92323

Tsukanov, V.V. *see* Galtsev, A.P. 9—50087

Tsukanova, V.N. *see* Sagalovich, B.M. 9—92234

Tsukerblat, B.S. *see* Fainzil'berg, V.E. 9—73850

Tsukerblat, B.S. *see* Klokishner, S.I. 9—69435

Tsukerman, V.A. *see* Tarasov, M.D. 9—91467

Tsukerman, V.G. *see* Klimin, A.N. 9—94181

Tsukernik, V.M. *see* Vinikovetskii, I.A. 9—87249

Tsukiji, M. *see* Umeda, N. 9—64254

Tsukiji, Y. *see* Torii, C. 9—101065

Tsukioka, M., Tanaka, J., Miyazawa, Y. Electrical conduction mechanism in semiconducting $KTaO_3$ 9—78097

Tsukishima, T. *see* Asada, O. 9—50859

Tsukishima, T. *see* Iwama, N. 9—82062

Tsukuda, H. *see* Ogiyama, H. 9—79091

Tsukuda, M., Murakami, H. Pulse processing technique in nuclear radiation measurements. Methods of pulse shaping 9—81138

Tsukuda, Y. Measurement of thermal diffusivity for Y_2O_3 sintered bodies 9—55944

Tsumita, N. *see* Nishida, H. 9—78486

Tsun Wu Tai *see* Tai Tsun Wu

Tsunasawa, E. *see* Ishigami, I. 9—61752

Tsunasawa, E. *see* Sone, T. 9—61780

Tsunashima, A. *see* Ito, S. 9—87571

Tsunashima, S., Hotta, M., Sato, S. Reactions of NH with C_2H_6 and C_3H_8 in the liquid phase 9—83471

Tsunashima, S., Mitsuya, S., Uchiyama, S. Magnetic and magnetoelastic properties of amorphous Fe-Si films 9—99746

Tsunashima, S. *see* Ohashi, K. 9—73780

Tsunashima, S. *see* Takagi, H. 9—73706

Tsunashima, Y. *see* Gulari, E. 9—67456, 9—90812

Tsunawaki, Y. *see* Iwamoto, N. 9—73925

Tsuneishi, Y. Geological and experimental studies on mechanism of block faulting 9—66692

Tsunenari, T. *see* Nakamura, H. 9—61705

Tsung Pei-Nan *see* Pei-Nan Tsung

Tsung Pu-he *see* Hsia Ke-ting 9—62797

Tsung Shu-fen *see* Sun Chuan-ching 9—71506

Tsunoda, S. *see* Ohta, T. 9—55112, 9—68381

Tsunoda, Y., Kunitomi, N. Observation of a resonance-like phonon mode in a force-constant disorder system $Pd_{70}Ag_{30}$ 9—90745

Tsunoda, Y., Kunitomi, N., Wakabayashi, N., Nicklow, R.M., Smith, H.G. Phonon dispersion relations in the disordered $Ni_{1-x}Pt_x$ system 9—69212

Tsunoda, Y. *see* Huang, A. 9—76886

Tsunooka, T. *see* Hayashi, M. 9—99833

Tsuo, Y.H. *see* Sher, A. 9—78182

Tsuprun, V.L., Kiselev, N.A., Vainshtein, B.K. Three-dimensional reconstruction of the enzyme leucine aminopeptidase 9—62183

Tsurikova, M.V. *see* Korolev, F.A. 9—55164

Tsurkan, G.I. *see* Shmelev, G.M. 9—91051

Tsurkan, V.V., Veselago, V.G. Resistivity minimum of degenerate ferromagnetic semiconductor $Cu_yCr_2Se_{4-z}Br_z$ 9—73517

Tsurkan, V.V., Veselago, V.G., Babitsyna, A.A., Tezlevan, V.E., Radautsan, S.I., Kalinnikov, V.T. Temperature of the paramagnetic-ferromagnetic phase transition in the $Cu_yCr_2Se_{4-z}Br_z$ system 9—69672

Tsurko, V.A. *see* Kolesnikov, P.M. 9—81695

Tsuru, K. *see* Nishio, M. 9—99449

Tsuru, T. Ion heating by white noise signals 9—82077

Tsuruda, K. *see* Kobayashi, I. 9—52976

Tsuruda, K. *see* Morita, M. 9—64909

Tsuruga, K. *see* Oishi, Y. 9—74137

Tsurui, A. *see* Munakata, T. 9—85083

Tsurukii, Yu.P. *see* Bakumenko, O.D. 9—97869

Tsurumi, S., Michikami, O., Yamaguchi, Y. Mechanical properties of Ag-Pd alloys 9—52278

Tsuruta, O. *see* Oka, S. 9—57560

Tsurutani, B.T., Smith, E.J. Interplanetary discontinuities: temporal variations and the radial gradient from 1 to 8.5 AU 9—101116

Tsurutani, B.T. *see* Thorne, R.M. 9—80098

Tsushima, K. *see* Toyokawa, K. 9—61398

Tsushima, M. *see* Uemura, O. 9—77485

Tsushima, T. *see* Ando, K. 9—78119

Tsushima, T. *see* Nishihara, Y. 9—91260

Tsushima, Y. Experimental and analytical studies of the soil-structure interaction behaviour of nuclear reactor building 9—97912

Tsushima, Y., Hiromatsu, T., Abe, Y., Tamaki, T. Generation of artifical earthquakes for dynamic analysis of nuclear power plant 9—97850

Tsutiya, K. *see* Sato, M. 9—100300

Tsutskov, A.N. *see* Osipova, G.I. 9—75638

Tsutsui, K., Uno, F., Ichikawa, H., Kumon, H., Tawara, J. Method for visualization of concanavalin A receptors on lymphoid cells by scanning electron microscopy 9—74800

Tsutsui, M., Hashimoto, K., Kimura, I., Matsumoto, H. Group velocity measurement of plasma waves by an FM technique 9—73047

Tsutsui, T., Tanaka, R. Topological polymer networks retaining cholesteric liquid crystalline order without mesogen 9—94893

Tsutsui, Y. *see* Shimamura, S. 9—96486

Tsutsumi, K. *see* Shizuka, H. 9—50164

Tsutsumi, M. Magnetoelastic Lamb waves propagating through a tangentially magnetized YIG film 9—82856

Tsutsumi, M., Masaoka, Y., Ohira, T., Kumagai, N. The effect of an inhomogeneous bias field on the delay characteristics of magnetostatic forward volume waves 9—99691

Tsutsumi, M. *see* Mitomo, M. 9—70031

Tsutsumi, M. *see* Ohta, M. 9—73169

Tsutsumi, M. *see* Watanabe, M. 9—77573

Tsutsumi, S. *see* Tsudagawa, M. 9—98505

Tsutsumi, T. *see* Moriyoshi, Y. 9—69049

Tsutsumi, Y. *see* Nitta, S. 9—65946

Tsuya, N., Arai, K. Amorphous high dielectric materials 9—73876

Tsuya, N., Arai, K.I. Magnetostriction of ribbon-form amorphous and crystalline ferromagnetic alloys 9—73794

Tsuya, N., Arai, K.-I., Ohmori, K. Ribbon-form Sendust alloy 9—83151

Tsuya, N., Ken Ichi Arai Amorphous ribbons of $LiNbO_3$, $PbTiO_3$ and $(PbTiO_3)_{0.9}(B_2O_3)_{0.1}$ 9—50993

Tsuya, N. *see* Szymczak, H. 9—95624

Tsuzuki, T. Peierls-Frohlich correlation in a quasi one dimensional conductor 9—60810

Tsuzuki, T. *see* Yatsui, K. 9—98929

Tsvelik, A.M. On indirect exchange between localized moments of rare earth metals 9—87237

Tsvelik, A.M. *see* Barabanov, A.F. 9—51489, 9—82539

Tsvelik, A.M. *see* Feigelman, M.V. 9—87280

Tsvelodub, I.Yu. The construction of the defining equations of steady creep 9—80436

Tsverikmazashvili, Z.S. *see* Popovidi, R.S. 9—86256

Tsvetkov, A.A. *see* Bol'shov, V.M. 9—92405

Tsvetkov, A.D. *see* Alekseev, V.N. 9—64237

Tsvetkov, A.I. *see* Malevskii, Yu.N. 9—83619

Tsvetkov, A.V. Ion-cyclotron instability driven by oppositely directed proton streams in the magnetosphere 9—62690

Tsvetkov, V.A. *see* Barnik, M.I. 9—55803

Tsvetkov, V.A. *see* Kavetskaya, I.V. 9—99488

Tsvetkov, V.B. *see* Krinchik, G.S. 9—67356

Tsvetkov, V.F. *see* Levin, V.I. 9—95912

Tsvetkov, V.F. *see* Lilov, S.K. 9—65989, 9—94951

Tsvetkov, V.N., Korshak, V.V., Shtennikova, I.N., Raubakh, Kh., Krongauz, E.S., Pavlov, G.M., Kolbina, G.F., Tsepelevich, S.O. Conformational and equilibrium rigidity of polyphenylquinoxaline macromolecules 9—55643

Tsvetkov, V.N. *see* Andreeva, L.N. 9—65835

Tsvetkov, Yu.D. *see* Ichikawa, T. 9—88991

Tsvetkova, N.Y. *see* Osokina, D.N. 9—79778

Tsvetkova, V.S. *see* Dudinov, V.N. 9—96925

Tsvetnov, G.B., Danilov, M.A. Stabilizing the conversion function of a venturi 9—68832

Tsvetokv, Yu.D. *see* Dzyuba, S.A. 9—61223

Tsvik, L.B. Principle of alternating continuity in piecewise solutions of problems of field theory 9—84959

Tsvikevich, I.N. *see* Gan, M.A. 9—76616

Tsvinev, A.P. *see* Golovanov, L.B. 9—68111

Tsvirko, M.P. *see* Dvornikov, S.S. 9—70522, 9—89706

Tsvirko, M.P. *see* Gradyushko, A.T. 9—54906, 9—85980, 9—92138

Tsvirko, M.P. *see* Pyatosin, V.E. 9—85988

Tsybenko, A.S. *see* Kovtun, A.D. 9—52280

Tsybizov, F.S., Pekarev, A.I., Lyuttsau, V.G. Thermostress treatment of parts made of thin-rolled sheets 9—52273

Tsybko, Ya.G. *see* Abranin, E.P. 9—75195

Tsybul'skii, V.S. *see* Vnuchkov, G.A. 9—80073

Tsybulya, A.M. *see* Voropaev, A.I. 9—97753

Tsybulya, V.I. *see* Gerasimov, I.V. 9—70389

Tsydypov, Sh.B. *see* Sanditov, D.S. 9—94916

Tsygankov, E.A. *see* Velikhov, E.P. 9—71955

Tsygankov, S.A., Goldman, A.Ya. On the change of the elasticity modulus of thermoreactive polymers in the process of curing 9—64521

Tsygankov, S.A. *see* Gol'dman, A.Ya. 9—66099

Tsyganok, V.N. *see* Egorenkov, N.I. 9—56100

Tsyganov, E. *see* Gorlich, L. 9—71766

Tsyganov, E.N. *see* Tarantin, A.M. 9—77656

Tsyganov, E.N. *see* Taratin, A.M. 9—65132

Tsyganov, M.A. *see* Ivanitskii, G.R. 9—70714

Tsyganov, N.K. *see* Selezov, I.T. 9—50592

Tsyganova, N.N. *see* Vyaz'mina, T.M. 9—56941

Tsygel'nyi, I.M., Tynnyi, A.N. Effect of the electric charge of the surface of a polymer on its interaction with a liquid medium 9—56036

Tsykanov, V.A. *see* Zelenskii, V.F. 9—95049

Tsymbal, L.T., Cherkasov, A.N. RF surface impedance of tungsten at different sample surface states 9—60911

Tsymbal, L.T., Pisarev, L.T., Popovich, A.I., Vitchinkin, V.T. Surface acoustic waves in tungsten 9—69334

Tsymbal, L.T., Samokhin, Yu.D., Cherkasov, A.N., Vitchinkin, V.T., Mishin, V.A. Fermi surface curvature in molybdenum 9—87038

Tsymbalenko, V.L. Effect of plastic deformation and impurities on internal friction in solid He^4 9—77860

Tsymbalenko, V.L. *see* Gudenko, A.V. 9—60599

Tsypin, M.I. *see* Apollonov, V.V. 9—72603

Tsypin, N.V. *see* Bronshtein, D.Kh. 9—100260

Tsypin, N.V. *see* Ishchuk, V.L. 9—61828

Tsyplakova, N.M., Mushin, I.A., Kusidi, V.P. Weighted summation in the conversion of time sections to depth sections 9—84532

Tsyrlin, L.E. *see* Levintov, M.A. 9—91101

Tsyrul'nikov, A.S. *see* Merzlyakov, E.I. 9—81962

Tsyrul'nikov, A.S. *see* Ryzhenko, I.A. 9—66695

Tsytovich, V.N. *see* Bel'kov, S.A. 9—60107

Tsytovich, V.N. *see* Veryaev, A.A. 9—77378

Tsyurupa, A.I. Volcano by night 9—84205

Tsyvkin, V.R. *see* Alekseeva, M.I. 9—49268

Tu, K.N. *see* Tan, T.Y. 9—69012

Tu, K-N. *see* Libertini, S.H. 9—100160

Tu, Y.Y., Blakely, J.M. Chlorine adsorption on the low index surfaces of silver: energetics and structures 9—87000

Tu Chen, Charlan, G.B. High coercivity and high hysteresis loop squareness of sputtered Co-Re thin film 9—82837

Tu Khiet Enhanced ion-damping in an ion-acoustic instability 9—94783

Tu Khiet, Furutani, Y., Ichikawa, Y.H. Nonlinear propagation of the extraordinary mode in a hot magnetoplasma 9—60148

Tu Tung-sheng *see* Tung-sheng Tu

Tu Yung-Yi *see* Yung-Yi Tu

Tu-nan Ruan *see* Ruan Tu-nan

Tuan, H.S. *see* Wu, S.D. 9—51408

Tuan, N.Van *see* Van Tuan, N.

Tuan, R.H. Consistency equation for the Pomeron 9—85282

Tuan, S.F. Remarks on the psion and upsilon systems 9—63435

Tuan, S.F. *see* Okada, J. 9—93375

Tuan, S.F. *see* Cence, R.J. *(editor)* 9—49485

Tuan, T.F., Hedinger, R., Silverman, S.M., Okuda, M. On gravity wave induced Brunt-Vaisala oscillations 9—53603

Tuan Vu Ngoc *see* Vu Ngoc Tuan

Tuann, S.-Y. *see* Olson, M.D. 9—64764

Tubaro, L. *see* Da Prato, G. 9—63148

Tubbs, A.D., Sanders, R.H. Persistence of gaseous warps 9—71112

Tubbs, D.L. Conservative scattering, electron scattering, and neutrino thermalization 9—92659

Tubbs, D.L., Koonin, S.E. Nuclear partition functions at high temperature 9—101059

Tubbs, E.F. Stigmatic imaging with a pair of concave gratings 9—72670

Tubbs, E.F. *see* Dart, S.L. 9—97141

Tubiana, M. *see* Guichard, M. 9—74723

Tubis, A. *see* Harper, E.P. 9—54397, 9—67674

Tucciarone, A. Photoinduced phenomena in garnets 9—99718

Tucciarone, J.M. *see* Plotz, G.A. 9—59694

Tuccillo, A. *see* Ascoli-Bartoli, U. 9—60170
Tuccio, S.A., Hartford, A., Jr. Deuterium enrichment via selective dissociation of fluoroform-d with a pulsed CO_2 laser 9—94096
Tuchendler, J. *see* Ghidalia, W. 9—87324
Tuchendler, J. *see* von Ortenberg, M. 9—69724
Tuchin, V.V. Frequency fluctuations of a $He\text{-}Cd^+$ cataphoretic laser 9—72556
Tuchin, V.V. *see* Rabinovich, E.M. 9—81463
Tuchinskii, L.I. Thermodynamic method of calculating influence of alloying additives on interphase interaction in composite materials 9—74134
Tuchinskii, L.I. *see* Frantsevich, I.N. 9—70019
Tuchkin, Yu.A., Shestopalov, V.P. A numerical method for solving operator equations 9—84936
Tuchkin, Yu.A. *see* Vinogradov, S.S. 9—84968
Tucholke, B.E., Shirley, D.J. Comparison of laboratory and in situ compressional-wave velocity measurements on sediment cores from the western North Atlantic 9—57866
Tucholski, Z. *see* Suwalski, J. 9—91328
Tuck, A.F. A comparison of one-, two- and three-dimensional model representations of stratospheric gases 9—70870
Tuck, A.F. *see* Groves, K.S. 9—74940
Tucker, A.W., Birnbaum, M. Energy levels and laser action in $Nd{:}CaY_2Ge_3O_{12}$ 9—81438
Tucker, A.W. *see* Sliney, J.G., Jr. 9—87494
Tucker, E. *see* Miller, J.M. 9—79334
Tucker, G.B. The observed zonal wind cycle in the southern hemisphere stratosphere 9—79977
Tucker, J.W. Spin dynamics of site- and bond-diluted anisotropic paramagnets at high temperatures 9—61117
Tucker, M.O., Turnbull, J.A. The effect of open porosity on the re-solution of fission gas from grain-edge bubbles 9—85607
Tucker, P.M. *see* Allen, G.C. 9—61787
Tucker, R. Data logging—present and future 9—93114
Tuckwell, H.C. *see* Wan, F.W.M. 9—83728
Tudo, J., Jolibois, B., Laplace, G., Nowogrocki, G., Abraham, F. Crystal structure of sulphate acid of hydrated indium (III) 9—73146
Tudorache, G. *see* Fuchs, K. 9—84172
Tudos, F. *see* Abdel-Monem, S.A. 9—96290
Tudron, T.N. *see* Paige, F.E. 9—63538
Tuel, D.H. *see* Brabb, E.E. 9—88273
Tuenge, R.T., Eyring, L. On the structure of the intermediate phases in the praseodymium oxide system 9—90645
Tuerdorskii, N.D. *see* Alekhin, L.A. 9—97898
Tuerdovskii, N.D. *see* Bakumenko, O.D. 9—97869
Tueta, R., Braguier, M., Canteloup, J. Preparation of ultrapure and ultrafine powders of silica doped with alumina 9—70025
Tuffin, F., Le Coz, G., Peresse, J. Penning ionization of argon by metastable helium atoms: a study of the energy and angular distributions of the ejected electrons 9—81266
Tuft, R.A. *see* Lanyon, H.P.D. 9—99477
Tufts, D.W. *see* Curry, T.J. 9—68494
Tugov, I.I. Franck-Condon factors for Morse potentials 9—72365
Tugulea, A. *see* Radulet, R. 9—69697
Tugushev, V.V. *see* Kopaev, Yu.V. 9—64233
Tugushi, A.I. *see* Buishvili, L.L. 9—69741
Tuichiev, Sh. *see* Ginzburg, B.M. 9—51010
Tuiliev, S. *see* Kakabaev, A. 9—83620
Tuinstra, F. *see* de Jong, F. 9—95158
Tukh, A.I. *see* Kaplyanskiy, A.A. 9—81475
Tukhvatulin, R.Sh. *see* Butusov, M.M. 9—91546
Tukhvatulin, R.Sh. *see* Zhilinskii, A.P. 9—64833
Tukhvatullin, F.Kh. *see* Atakhodzhaev, A.K. 9—65888
Tulenko, J.S. *see* Hove, C.M. 9—85635
Tuler, F.R. *see* Fischer, S. 9—52351
Tuleschkow, N. *see* Semerdjiew, S. 9—100219
Tul'ev, A.D., Bobrovnitskaya, Zh.V. Experience of designing and applying metrological AIUS systems at BRTsSM 9—71394
Tuli, J.K. Nuclear data sheets for A=144 9—93487
Tuli, S. *see* Guy, J.G. 9—54357, 9—80844
Tuli, S.K. *see* Bhanja, R. 9—59312
Tuli, S.K. *see* Maurya, A.L. 9—49911
Tulin, V.A. *see* Govorkov, S.A. 9—69693
Tulina, N.A. *see* Kopezkii, Ch.V. 9—61016
Tulinov, A.F., Chechenin, N.G. Channelling of charged particles 9—82269
Tulinov, A.F. *see* Berzina, I.G. 9—74477
Tulinov, A.F. *see* Chumanov, V.Ya. 9—83086
Tulinov, A.F. *see* Eremin, N.V. 9—49613
Tulinov, B.M. *see* Kartashov, E.M. 9—55327, 9—64593
Tulinov, G.F. *see* Chanin, M.L. 9—53595
Tulinov, V.F. *see* Kondrat'ev, Yu.M. 9—62632
Tulinova, N.I. *see* Varkovitskaya, A.Ya. 9—80147
Tulinova, V.V. *see* Razumovskaya, I.V. 9—50679
Tulinsky, A. *see* Raghavan, N.V. 9—90634
Tuller, H.L., Nowick, A.S. Defect strucure and electrical properties of nonstoichiometric CeO_2 single crystals 9—60827
Tulley, F.M., Fahmi, H.K., Al-Husaini, J. Spectral analysis of skin infra-red radiation 9—88057
Tullia, T. *see* Casasent, D. 9—72520
Tullio, G.A.Di *see* Di Tullio, G.A.
Tullio, G.Di *see* Di Tullio, G.
Tullis, J. *see* Mitra, S. 9—79830
Tullock, J.M. *see* Patrick, R. 9—86008
Tulloh, M.E. *see* Bagne, F. 9—100735
Tully, J.C., Gilmer, G.H., Shugard, M. Molecular dynamics of surface diffusion. I. The motion of adatoms and clusters 9—99411
Tully, J.C. *see* Tolk, N.H. 9—63951
Tul'skii, S.A. *see* Danilov, O.B. 9—64822
Tul'skii, S.V. *see* Zatsepina, G.N. 9—57838
Tulub, A.V. *see* Adamov, M.N. 9—89803
Tuma, M. *see* Grassmann, P.P. 9—68828
Tumaikin, A.M. *see* Rumyantseva, N.K. 9—98434
Tumaikin, A.M. *see* Smirnov, V.S. 9—64278
Tumanov, B.N., Levit, B.I., Babich, A.S. Autodyne effect in gas lasers 9—81404
Tumanov, Yu.G. *see* Tsidelko, V.D. 9—67318
Tumanyan, K.M. *see* Avakyan, E.M. 9—69806
Tumanyan, V.G. *see* Il'icheva, I.A. 9—53032, 9—92130
Tumanyan, V.G. *see* Neifakh, Yu.A. 9—57571
Tumashev, G.G. *see* Khasanova, A.Yu. 9—98730
Tumbakova, M.I. *see* Bobkov, A.F. 9—67433
Tumbev, G.Kh. *see* Georgieva, M.K. 9—69900
Tumer, T. *see* Hartman, R.C. 9—71105
Tumina, S.D. *see* Kreitser, T.V. 9—52661
Tumkevichyus, K.K. *see* Mikalkevichyus, M.P. 9—65950
Tummillo, A.F., Oetting, E.R., Andrews, R.A., McCarthy, J. The microprocessor-based control facility of the He refrigerator system used in the 1000 GeV Fermilab switchyard 9—68006
Tummillo, A.F. *see* Andrews, R.A. 9—67990
Tung, K.K. *see* Lindzen, R.S. 9—53450
Tung, K.L. *see* Barber, D. 9—54289, 9—54346
Tung, K.L. *see* Barber, D.P. 9—89175, 9—97631
Tung Chee *see* Chee Tung
Tung Nguyen-Dang, T. *see* Bader, R.F.W. 9—68175
T'ung Wei, Chang Chih-fei, Chang Ming-tao, Liao Chih-cheeh, Yu Mao-cheng, Chu Mei-Shiang, Kou Kou-jin, Liu Shih-ping The Himalayan geothermal belt 9—79759
Tung Wu-Ki *see* Wu-Ki Tung
Tung-sheng Tu, Chi-min Wu QCD predictions for γp collisions with a large p_T real photon in the final state 9—89165
Tungate, G., Fick, D. Optical models from experiments with oriented heavy ions 9—97729
Tunik, A. *see* Tehver, J. 9—50575
Tunik, A. *see* Tehver, Ya. 9—72788
Tunnell, L.N. *see* Lin, C.D. 9—89771
Tunnell, T.W., Bhalla, C.P. Contribution of the magnetic dipole transition in the Be isoelectronic sequence 9—81153
Tunstall, D.P., Deshmukh, V.G.I. Conduction electrons in an impurity band: NMR in Ge:As 9—78544
Tunstall, J.N., Harris, W.L., Childs, K.W. Prediction of separation of gases and gaseous isotopes in a curved shock wave 9—94753
Tuohy, I. *see* Pravdo, S.H. 9—92889
Tuohy, I.R., Cordova, F.A., Garmire, G.P., Mason, K.O., Clark, D.H., Charles, P.A., Walter, F.M. Discovery of X-ray emission from two southern supernova remnants 9—62892
Tuohy, I.R., Nugent, J.J., Garmire, G.P., Clark, D.H. Evidence for X-ray emission from Kepler's supernova remnant 9—58403
Tuohy, I.R. *see* Seitzer, P. 9—92894
Tuomi, T., Tilli, M., Stephenson, J.D., Kelha, V. Application of synchrotron topography to the study of magnetic domain movements in (100) Fe-3 wt.% Si produced by a mechanical stress 9—87284
Tuomi, T. *see* Stephenson, J.D. 9—82815
Tuominen, S.M., Clough, S.P. Grain boundary segregation of sulfur and nitrogen in sintered molybdenum 9—56982
Tuominiemi, J.K. *see* Bakken, V. 9—63549
Tupaz, J.B., Williams, R.T., Chang, C.-P. A numerical study by barotropic instability in a zonally varying easterly jet 9—53441
Tupchyauskas, A.P. Sn^{119}-NMR constants for organotin compounds with remote substitutions 9—65748
Tupenevich, P.A., Kononenko, V.K. Photosensitivity of metal-semiconductor structures based on zinc telluride 9—95492
Tupilko, V.M. Production of plastic thermally strengthened steel not prone to hydrogen embrittlement 9—52267
Tur, C. *see* Chilingarov, A. 9—54365
Turaev, E.Yu. *see* Seregin, P.P. 9—65979
Turaev, N.Yu. *see* Nizhnaya, S.L. 9—52065
Turaeva, E.N. *see* Shakhverdov, T.A. 9—54897
Turala, M. *see* Gorlich, L. 9—71766
Turan, J. *see* Kafka, D. 9—68114
Turban, G., Catherine, Y., Grolleau, B. Reaction mechanisms of the radio frequency glow discharge deposition process in silane-helium 9—95944
Turban, G. *see* Catherine, Y. 9—95945
Turban, L. Anisotropic percolation on the Bethe lattice 9—58642
Turban, L., Guilmin, P. Correlated site percolation: exact results on the Bethe lattice 9—49174
Turbe, N. On the two-scales method for a class of integro-differential equations appearing in viscoelasticity 9—72839
Turcanu, C.N., Deju, R. Thermal analysis of ammonium diuranate 9—81009
Turchanenko, N.T., Dyadyura, V.A. Digital seismic prospecting in oil-and-gas-bearing provinces of the Ukrainian SSR 9—96836
Turchaninov, A.M. *see* Kurbanov, Kh.M. 9—95916
Turchanyi, G. *see* Janszky, J. 9—56256
Turchetti, G. The variational approach to the linearized inverse problems 9—71259
Turchetti, G., Sagretti, C. Stieltjes functions and approximate solutions of an inverse problem 9—49094
Turchetti, G. *see* Barnsley, M. 9—85097
Turchetti, G. *see* Gammel, J. 9—93286
Turchetti, G. *see* Mainardi, F. 9—92944
Turchi, A. *see* Bassignani, S. 9—74764
Turchi, P.J., Book, D.L., Burton, R.L., Cooper, A.L. Stabilized imploding liner research for high magnetic field plasma compression 9—60174
Turchi, P.J. *see* Burton, R.L. 9—49860
Turchinetz, W. *see* Bertozzi, W. 9—68129
Turchinetz, W. *see* Hynes, M.V. 9—63658
Turchinovich, I.E. *see* Monozon, B.S. 9—51500
Turck, B. Coupling losses in various outer normal layers surrounding the filament bundle of a superconducting composite 9—99667
Turck, S. *see* Royer, D. 9—67747
Turcotte, D.L., Clancy, R.T., Spence, D.A., Kulhawy, F.H. Mechanisms for the accumulation and release of stress on the San Andreas Fault 9—84194
Turcotte, D.L., McAdoo, D.C. Geoid anomalies and the thickness of the lithosphere 9—84077
Turcotte, D.L. *see* Sondergeld, C.H. 9—72930
Turcu, A. *see* Muller, L.P. 9—73518
Turek, K. *see* Prouza, Z. 9—68113
Turek, P. *see* Oelert, W. 9—63679, 9—93509
Turek, P. *see* Wiktor, S. 9—97719
Turekian, K.K., Cochran, J.K., Krishnaswami, S., Lanford, W.A., Parker, P.D., Bauer, K.A. The measurement of ^{10}Be in manganese nodules using a tandem Van de Graaff accelerator 9—74967
Turekian, K.K., Cochran, J.K., Nozaki, Y. Growth rate of a clam from the Galapagos Rise hot spring field using natural radionuclide ratios 9—84300
Turekian, K.K. *see* Benninger, L.K. 9—66672
Turekian, K.K. *see* Clark, S.P., Jr. 9—84202
Turetskaya, F.D. *see* Entov, V.M. 9—68799
Turfa, A.F., Marcus, R.A. Rotational energy transfer in hydrogen halide molecules at supersonic beam velocities 9—68302
Turganov, M.M. *see* Pulatova, M.K. 9—92289
Turganov, M.M. *see* Rikhireva, G.T. 9—53193
Turi, Z. Quality characters of optical projection systems 9—89983
Turik, A.V., Shevchenko, N.B. Dielectric constant of mechanically compressed $BaTiO_3$ crystals 9—56711
Turik, A.V., Shevchenko, N.B., Chernobabov, A.I. Influence of the domain structure on the physical constants of a-domain $BaTiO_3$ crystals 9—69798
Turik, A.V., Shevchenko, N.B., Gavrilyachenko, V.G., Fesenko, E.G. On the nature of dielectric permittivity of $PbTiO_3$ single crystals 9—99817
Turik, A.V., Tais'eva, V.A., Raevskii, I.P., Reznichenko, L.A., Prokopalo, O.I. Dielectric properties of hot-pressed $(K,Na)NbO_3$ ceramic 9—87375
Turikov, V.A. *see* Karpman, V.I. 9—77395
Turinsky, P.J. *see* Casadei, A.L. 9—67890
Turishchev, Yu.S. *see* Avatkov, O.N. 9—98172
Turits, A.C. *see* Conrad, F.L. 9—64328
Turits, J.C. *see* Culver, J.V. 9—93201
Turk, G. GT index: a measure of the success of prediction 9—88505
Turk, R.R., Harrington, J.A., Johnston, J., Haeussler, C., Joyce, R.L. Optical polishing and cleaning of press-forged (polycrystalline) CaF_2 and SrF_2 IR 9—59849
Turkevich, J. *see* Demirci, S. 9—87883
Turkevich, L.A. Resistivity of superconducting films 9—69639
Turkevich, L.A., Klemm, R.A. Ginzburg-Landau theory of the upper critical field in filamentary superconductors 9—78276
Turkevich, Yu.G. *see* Bobrov, S.T. 9—98321, 9—98324
Turkey, J. *see* Wallman, J. 9—53085
Turkington, R.R. *see* Arajs, G.A. 9—51377
Turkmenov, Kh.I. *see* Khrebtov, A.P. 9—82954
Turkot, F. *see* Gaidos, J.A. 9—85440
Turkulin, K. *see* Gyergyek, L. 9—83958
Turlay, R. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Turlay, R. *see* Groot, J.G.H. 9—93395
Turley, D.M. *see* Doyle, E.D. 9—52470
Turley, S.E.H., Thompson, G.H.B., Lovelace, D.F. Effect of injection current on the dielectric constant of an inbuilt waveguide in twin-transverse-junction stripe lasers 9—50294
Turley, S.E.H. *see* Thompson, G.H.B. 9—98393
Turluer, M.L. *see* Cochet, C. 9—80854
Turluer, M.L. *see* Givernaud, A. 9—58982

Turman, B.N. Lightning detection from space 9—92559
Turnau, J. *see* Gorlich, L. 9—71766
Turnbull, D., Spaepen, F. Crystal nucleation and the crystal-melt interfacial tension in linear hydrocarbons 9—69024
Turnbull, D. *see* Hu, C.-K. 9—78786
Turnbull, D. *see* Lin, C.-H. 9—56186
Turnbull, D. *see* Spaepen, F. 9—60485, 9—69040
Turnbull, J.A. *see* Tucker, M.O. 9—85607
Turnbull, R.J. *see* Buller, T.L. 9—90470
Turnbull, R.J. *see* Guttman, J.L. 9—85766
Turnbull, R.M. *see* Armstrong, T.A. 9—85344
Turnbull, R.M. *see* Evangelista, C. 9—75788, 9—80843
Turneaure, J.P. *see* Lyneis, C.M. 9—68078, 9—72065
Turner, A.F. *see* Strand, T.C. 9—74754
Turner, A.P. Regulations, standards and guidelines for the use of medical electron linear accelerators 9—53258
Turner, A.P.L. Cyclic deformation behavior of type 304 stainless steel at elevated temperature 9—52322
Turner, A.P.L. *see* Nolfi, F.V., Jr. 9—60401
Turner, B.E. A survey of OH near the galactic plane 9—75265
Turner, B.E. *see* Crouse, C.B. 9—88311
Turner, C.J. *see* Butcher, P.M. 9—54163
Turner, D. *see* Speer, R.J. 9—76891
Turner, D.A., Fordham, E.W., Ali, A., Slayton, R.E. Gallium-67 imaging in the management of Hodgkin's disease and other malignant lymphomas 9—57769
Turner, D.A. *see* Howard, L.L. 9—78216
Turner, D.G. CV monocerotis—the forgotten cluster Cepheid 9—58349
Turner, D.G. Possible association membership for the three long period Cepheids RZ Velorum, SW Velorum, and KQ Scorpii 9—88666
Turner, D.L., Conway, D.C. Study of the $2Ar+Ar_2^+=Ar+Ar_3^+$ reaction 9—100347
Turner, D.L. *see* Bull, T.E. 9—65750
Turner, E.L. Statistics of the Hubble diagram. I. Determination of q_0 and luminosity evolution with application to quasars 9—71102
Turner, E.L. Statistics of the Hubble diagram. II. The form of the luminosity function and density variations with application to quasars 9—97093
Turner, E.L. *see* Geller, M.J. 9—71118
Turner, E.L. *see* Gott, J.R., III 9—101197
Turner, F. *see* Butler, R. 9—80399
Turner, G.M. *see* Thompson, R. 9—70740
Turner, G.W. *see* Fan, J.C.C. 9—79390
Turner, J.C.R. *see* Connelly, T.M. 9—69288
Turner, J.E., Birkhoff, R.D., Wright, H.A., Hamm, R.N. The computer as an active element in dosimetry 9—67961
Turner, J.E. *see* Brostow, W. 9—64128
Turner, J.E. *see* Hamm, R.N. 9—53253
Turner, J.F., Rivenburgh, D.L. Cleaning solution for metallographic mounts 9—87808
Turner, J.G., Boyd, T.J.M. Soliton formation in magnetized Vlasov plasmas 9—90396
Turner, J.G. *see* Fogelman, I. 9—83904
Turner, J.H. *see* Hoffman, R.F. 9—96655
Turner, J.M. *see* Cuperman, S. 9—80184
Turner, J.R., Eastop, T.D. A hot wire anemometry method for the flow patterns in an array of heat exchanger tubes 9—90357
Turner, J.R. *see* McWilliams, K.D. 9—54483
Turner, K.C. *see* Goldstein, S.J. 9—53941
Turner, K.J. *see* Droege, T.F. 9—89555
Turner, L. Rigid-drift magnetohydrodynamic equilibria for cylindrical screw pinches 9—60179
Turner, L. *see* Lewis, H.R. 9—60168
Turner, L. *see* Montgomery, D. 9—60114
Turner, L. *see* Stacey, W.M., Jr. 9—71967
Turner, L.D.S. *see* Grant, R.J. 9—77807
Turner, L.D.S. *see* McKechnie, J.S. 9—99873
Turner, L.R. *see* Wang, S.-T. 9—52948
Turner, M.S., Schramm, D.N. The origin of baryons in the Universe 9—62938
Turner, M.S., Schramm, D.N. Cosmology and elementary-particle physics 9—101061
Turner, N.H. *see* Ramaker, D.E. 9—74469, 9—83067
Turner, P.H. Conformational study of ethyl nitrite by microwave spectroscopy 9—93990
Turner, P.S. *see* Cowley, R.R. 9—60382
Turner, P.W. *see* Cosslett, V.E. 9—97475
Turner, R. *see* Kok, C.J. 9—100955
Turner, R.C., Stout, F.H., Trimm, T.G. ESR studies of a nitrogen defect in irradiated potassium azide 9—82870
Turner, R.F. Role for thorium in the nuclear world 9—93717
Turner, R.F. *see* Brogli, R.H. 9—49696
Turner, R.G. *see* Baker, P.L. 9—76592
Turner, T.F. *see* Parrish, R.L. 9—87955
Turner, T.J. *see* Williams, G.P., Jr. 9—52031
Turner, W.C., Clauser, J.F., Coensgen, F.H., Correll, D.L., Cummins, W.F., Freis, R.P., Goodman, R.K., Hunt, A.L., Kaiser, T.B., Melin, G.M., Nexsen, W.E., Simonen, T.C., Stallard, B.W. Field-reversal experiments in a neutral-beam-injected mirror machine 9—86589
Turniyasov, R.K. *see* Manucharov, Yu.S. 9—95085
Turnshek, D.A., Weymann, R.J., Williams, R.E. Physical conditions in the absorbing regions associated with the QSO 1756+237 9—71146
Turov, E.A. *see* Vonsovskii, S.V. 9—82818
Turov, V.D., Lobyntsev, E.S. Organic media for the protection of powders of the compound $SmCo_5$ against oxidation 9—96220
Turov, Yu.P. *see* Alekseev, A.P. 9—97466
Turoverov, K.K. *see* Umetskaya, V.N. 9—54864
Turovets, L.A. *see* Dudarev, E.F. 9—66076
Turovskaya, T.S. *see* Myl'nikov, V.S. 9—82479
Turovskii, N.I. *see* Livshits, M.G. 9—94170
Turovskii, V.A. *see* Dubov, B.S. 9—67286
Turpin, M. *see* Favier, J.J. 9—61573
Turrell, B.G. *see* Dee, R.H. 9—56375
Turrell, B.G. *see* Marshak, H. 9—82905
Turrin, A. Proposal for a Siberian Snake configuration 9—63849
Turrin, A. Jumping an intrinsic depolarization resonance in synchrotrons 9—72058
Turro, N.J., Aikawa, M., Yekta, A. Dynamics of molecular oxygen in micellar solutions 9—83513
Turro, N.J. *see* Yekta, A. 9—79297
Tursk, L.A. *see* Enz, C.P. 9—80498
Turska, E., Hurek, J., Zmudzinski, L. X-ray studies of structural ordering changes on annealing a non-crystalline polycarbonate 9—94921
Turski, L.A. *see* Rozmus, W. 9—68913
Turski, R.B., Lam, P.S.K., Barthold, W.P. Breeding performance potential for (U-Th) oxide, carbide, nitride and metal-fueled LMFBRs 9—59175
Tursunov, N.A. *see* Yunusov, M.S. 9—90995
Turtelli, A., Jr. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Turtelli, R.S., de Castro, A.R.B. LO phonon Raman lineshape in highly excited GaAs 9—78683
Turtsevich, E.V. *see* Glazunov, M.G. 9—52301
Turubarov, V.I. *see* Konovalov, A.A. 9—83936
Turulov, V.A., Kaem, Yu.Z. Use of solar energy for mobile field dormitory space and hot water heating 9—83623
Turundaevskii, V.B. *see* Abil'siitov, G. 9—94254
Turunen, T., Oksman, J. On the relative location of the plasmapause and the HF backscatter curtains 9—58165
Turutina, N.V. *see* Il'in, V.G. 9—51951
Turver, K.E. *see* Hartman, D.H. 9—66895
Turver, K.E. *see* Protheroe, R.J. 9—66899
Turyanitsa, I.D. *see* Gerasimenko, V.S. 9—95780
Turyanitsa, I.D. *see* Luksha, O.V. 9—86712
Turyanitsa, I.I., Kikineshi, A.A., Semak, D.G. Positive photorecording effect on layers of chalcogenide glassy semiconductors 9—59781
Turyanitsa, I.I., Semak, D.G., Kikineshi, A.A. Temperature dependence of reverse optical recording in Cu-As-Se layers 9—67415
Turyshev, B.I. *see* Shuvaev, V.P. 9—69775
Tusa, J., Sulkes, M., Rice, S.A. Low energy collisional relaxation of I_2* in He: evidence for resonance enhanced vibrational deactivation 9—64081
Tushabramishvili, K.Z. *see* Balbekov, V.I. 9—63829
Tushin, N.N. *see* Mishina, L.V. 9—59965
Tustanovskii, V.T., Yavoiskii, V.I., Borodin, D.I., Ivanov, E.A., Bakurov, A.V., Yavoiskii, A.V. Use of activation analysis for studying the laws governing the oxidation processes in the reaction chamber of a jet-refining unit 9—87898
Tuszewski, M., Rej, D.J., Fleischmann, H.H. Adiabatic magnetic compression of field-reversing E layers 9—82089
Tutcher, M.G. *see* Sheppard, T. 9—83273
Tuthill, W.A. *see* Sethu Raman, S. 9—66813, 9—66814
Tuthill, W.A. *see* Sethuraman, S. 9—88480
Tutlis, V.I. *see* Eriksonas, K.M. 9—63955
Tuttle, E.R. Instantaneous axis of rotation 9—84903
Tuttle, P.G. *see* Aguilar, F. 9—59194
Tuttle, T.R., Jr. *see* Golden, S. 9—72301
Tuttle, W.K. *see* de Lima, A.P. 9—54377
Tutto, I., Ruvalds, J. Tunneling spectra of high-temperature superconductors 9—87205
Tutukov, A.V. *see* Kraicheva, Z.T. 9—97037
Tutukov, A.V. *see* Massevitch, A.G. 9—84789
Tutzschky, G. The estimation of quality in relation to the results of ultrasonic material testing 9—91903
Tuul, A. *see* Rebane, I. 9—56859
Tuurnala, T. *see* Katajanheimo, R. 9—89231
Tuvdendorzh, D. *see* Angelov, N. 9—59094, 9—89335
Tuvdendorzh, D. *see* Anoshin, A.I. 9—89213
Tuvikene, L. Effect of reference wave diffraction on the holographic process 9—50256
Tuxford, A.M. *see* Ahn, K.Y. 9—51816
Tuy, H. *see* Censor, Y. 9—66531
Tuzhilkin, N.K. *see* Sheretov, E.P. 9—58842
Tuzi, Y. *see* Arakawa, I. 9—80635
Tuzi, Y. *see* Kobayashi, M. 9—80626
Tuzi, Y. *see* Komiya, S. 9—85146
Tuzov, L.V. *see* Glikman, E.E. 9—52342
Tuzova, A.M. *see* Melikhov, I.V. 9—87591
Tuzova, S.I. *see* Glazov, G.N. 9—96841
Tuzova, T.V. *see* Chalov, P.I. 9—62451
Tuzzeo, T.M. *see* Malone, J.P. 9—67371
Tvardauskas, G. *see* Denis, V. 9—65503
Tveitereid, M. *see* Palm, E. 9—57980
Tverdokhleb, P.C. Resolving power of an optical system for matrix transformation 9—98456
Tverdokhleb, P.E. Tabular method of coordinate searching for an image fragment 9—98292
Tverdovskii, N.D. *see* Yurchenko, D.S. 9—97868
Tveretskii, A.P. *see* Dzhavadov, A.V. 9—75831
Tvergaard, V. Creep buckling of rectangular plates under axial compression 9—68605
Tveritinov, M.P. *see* Vasyuta, B.M. 9—75624
Tverkovkin, B.E. *see* Mishina, L.V. 9—59965
Tverskaya, L.V. *see* Panasyuk, M.I. 9—58190
Tverskoi, B.A. *see* Vernov, S.N. 9—80126
Tverskoi, M.G. *see* Bakanov, L.V. 9—75988
Tverskoi, M.G. *see* Bunakov, V.E. 9—75882
Tver'yanovich, Yu.S. The apparatus for the investigation of magnetic susceptibility of paramagnetic vapours and condensing materials in the interval of temperatures 300-1600K 9—93178
Tveten, U., Thomassen, D., Kvaal, E. Accident analyses performed for the Norwegian Government Committee on Nuclear Power 9—63782
Tvorogov, S.D. *see* Kalinenko, A.N. 9—98303
Tvrdy, M., Adamek, J., Hyspecka, L., Mazanec, K. Evaluation of fracture toughness parameters in steels for chemical engineering 9—79094
Twaits, R. *see* Blackley, D.C. 9—96034
Tward, E. *see* Papini, G. 9—85052
Twardosz, F., Zielnica, J. Dynamical stability of a conical shell loaded by transversal and longitudinal forces with the nonlinear material's damping 9—64496
Twarowski, A.J., Albrecht, A.C. Depletion layer studies in organic films: low frequency capacitance measurements in polycrystalline tetracene 9—56328
Twarowski, A.J., Albrecht, A.C. Thermoelectric absorption spectroscopy of polycrystalline tetracene films 9—61451
Twarowski, A.J. *see* Scott, T.W. 9—98162
Twarowski, K., Lachowicz, H.K. Magnetostriction of amorphous $Gd_{1-x}Co_x$ RF sputtered thin films 9—91281
Twerdochlib, M., Kirk, W.P. Search for exponentially damped surface solutions generated by heat flow at an interface with He II 9—55980
Twerdochlib, M. *see* Kirk, W.P. 9—63225
Twiddy, N.D. *see* Adams, N.G. 9—61845
Twiddy, N.D. *see* Jones, J.D.C. 9—91932
Twiddy, N.D. *see* Lister, D.G. 9—91933
Twieg, D., Nardizzi, L.R., Parkey, R., Willerson, J. Comparison of scintigraphic count-volume and geometric methods for measuring left ventricular ejection fraction 9—83896
Twin, P.J. *see* Ekstron, L.P. 9—59032
Twin, P.J. *see* Mustaffa, O.M. 9—85402
Twomey, S., McKee, T.B. Comments on 'Effects of cloud size and cloud particles on satellite-observed reflected brightness [and reply] 9—88425
Twomey, T.R. *see* Griffith, T.C. 9—86065
Tworek, E. Low-temperature vapour-phase growth of silicon dioxide 9—95936
Twu, B.-L. A reproducible ohmic contact to n-type $GaAs_{0.6}P_{0.4}$ 9—73587
Twu, C.C. *see* Vannice, M.A. 9—80683
Tyabin, N.V. *see* Lepekhin, G.I. 9—77095
Tyablikov, Yu.E. *see* Georgiev, M.N. 9—52375
Tyagai, V.A. *see* Vlasenko, N.A. 9—64186, 9—71510
Tyagi, H.R. *see* Gupta, V.K. 9—62141, 9—62142
Tyagi, S., Lord, A.E., Jr. Internal friction and shear modulus of certain metallic glasses 9—52287
Tyagi, S., Lord, A.E., Jr. Elinvar-type behavior in the alloy $Fe_{78}Mo_2B_{20}$ 9—66091
Tyagi, S., Lord, A.E., Jr. An inexpensive torsional pendulum apparatus for rigidity modulus measurement 9—84894
Tyagunov, G.V. *see* Raskostov, V.N. 9—87787
Tyapkin, I.A. *see* Zanevskii, Yu.V. 9—67449
Tyapkin, Yu.D. *see* Kozlov, V.P. 9—83202
Tyapkin, Yu.K. Spectral characteristics of reflected waves in the region of the 'bright spot' anomalies 9—53319
Tyavloskii, V.I. *see* Pan, V.M. 9—78076
Tyazhelov, V.V., Alekseyev, S.I., Grigor'ev, P.A. Change in the conductivity of phospholipid membranes modified by alamethicin on exposure to a high frequency electromagnetic field 9—79483
Tyburski, L. *see* Frampton, P.H. 9—58866
Tyc, T. *see* Balcerek, K. 9—58751
Tychina, I.I. *see* Gorban', I.S. 9—52028, 9—78681
Tyczynska, M. *see* Ziemba, B. 9—100311
Tyczynska, M. *see* Ziemba, B. 9—91889
Tyl, J. *see* Gacek, A. 9—68748, 9—91955
Tylenda, R. Photoionization models of the envelope of Nova Delphini 1967 in the nebular stage. II. The nova in June-July 1969 9—62835
Tyler, A. *see* Lee, G. 9—56009
Tyler, C.W. Some new entoptic phenomena 9—53106
Tyler, C.W. *see* Nakayama, K. 9—53149

Tyler, D.R., Levenson, R.A., Gray, H.B. Electronic structures and spectra of trinuclear carbonyl complexes 9—59480
Tyler, G.L. *see* Eshleman, V.R. 9—53731
Tyler, G.L. *see* Lipa, B. 9—96938
Tyler, G.L. *see* Simpson, R.A. 9—84723
Tyler, I. *see* Knap, A.H. 9—70473
Tyler, R.S., Small, A.M., Abbas, P.J. Unmasking produced by combination tones 9—96565
Tylikowski, A. Dynamic stability of a liquid carrying pipe 9—90161
Tyminskii, V.G. Geochemical earthquake precursors 9—84163
Tymkul, V.M., Shuba, Yu.A. Light scattering by diffuse quadratic surfaces in a photometric representation 9—81365
Tynes, A.R., Pearson, A.D., Northover, W.R. Rayleigh scattering losses in soda borosilicate glasses 9—99893
Tynnyi, A.N. *see* Tsygel'nyi, I.M. 9—56036
Tynyanov, A.V. *see* Pupyshev, I.D. 9—77311
Typek, J. Electron paramagnetic resonance of gadolinium in a single crystal of lead germanate 9—82867
Typke, V. The ground state rotational spectrum of cyclopropyl silane 9—98077
Tyrrell, M.W. *see* Baker, R.D. 9—89182
Tyrrell, M.W. *see* Brown, R.M. 9—71761
Tyryshkin, I.S. *see* Lopasov, V.P. 9—54201
Tys, J. *see* Czyzewski, T. 9—67784
Tyshkevich, V.M. *see* Gurevich, M.E. 9—65258
Tyson, B.J. *see* Inn, E.C.Y. 9—58014
Tyson, J. *see* Bertuccio, T. 9—54702
Tyson, J.A., Jarvis, J.F. Evolution of galaxies: automated faint object counts to 24th magnitude 9—71120
Tyson, J.A. *see* Crane, P. 9—84823
Tyson, J.F., West, T.S. Analytical aspects of absorption spectroelectrochemistry at a platinum electrode. I. Study of metal ions 9—74395
Tyson, J.M. *see* Lazar, N.H. 9—55559
Tytun, A. *see* Piomelli, S. 9—92190
Tyu, N.S. *see* Ovander, L.N. 9—95751
Tyukavkin, G.G. *see* Stradomskii, M.V. 9—68554
Tyukhtyaev, Yu.N. Allowance for the effects of bound states in positronium 9—59606
Tyukhtyaev, Yu.N. *see* Nyun'ko, N.E. 9—94114
Tyulina, R.M. *see* Kagan, D.F. 9—57178
Tyul'kin, V.M. *see* Maslovskii, V.M. 9—73600
Tyunin, A.A. *see* Kochetov, V.T. 9—91799
Tyupkin, Ya.S. *see* Belavin, A.A. 9—58878
Tyupkina, O.G. *see* Ibragimov, Sh.Sh. 9—83206
Tyurikov, D.A. *see* Gubin, M.A. 9—89934
Tyurikov, D.A. *see* Velichanskii, V.L. 9—68396
Tyurikov, D.A. *see* Vergunov, V.B. 9—68401
Tyurin, B.V. *see* Varli, K.V. 9—83239
Tyurin, E.L. *see* Kosolobov, S.N. 9—69925
Tyurin, V.A. Infrared gas method of tightness control and its development 9—66236
Tyurin, V.A. *see* Zaitsev, A.F. 9—52593
Tyurkanov, P.M., Fetisov, I.K., Khodachenko, G.V. Effect of inhomogeneity of a transverse magnetic field on breakdown 9—64947
Tyurmina, L.O. *see* Pil', G.I. 9—53534
Tyuryukanov, P.M., Fetisov, I.K., Khodachenko, G.V. Low-pressure discharge in a homogeneous axisymmetric electric field crossed with an inhomogeneous axisymmetric magnetic field 9—55602
Tyutekin, V.V. *see* Mazannikov, A.A. 9—64375
Tyutekin, V.V. *see* Merkulov, V.N. 9—64385, 9—94550
Tyutikov, A.M. *see* Bronshteyn, I.M. 9—91545
Tyutneva, G.K. *see* Mukhamedgalieva, A.F. 9—94271
Tyutyukov, S.A. *see* Potekhin, B.A. 9—91646
Tyvand, P.A. *see* Kvernvold, O. 9—55414
Tzach, D., Robertson, C.W., Benford, G., Rostoker, N. Microsecond microwave radiation bursts from a relativistic electron beam rotating in a plasma 9—73018
Tzach, D. *see* Mako, F. 9—76169
Tzara, C. *see* Argan, P. 9—85454, 9—89291
Tzara, C. *see* Balestri, B. 9—75794, 9—85530
Tze Ti-Shen *see* Shen Liang-Chao 9—53857
Tzeng Lue Juh *see* Juh Tzeng Lue
Tzivanidis, G. *see* Massalas, C. 9—81775
Tzivanidis, G.I. *see* Massalas, C.V. 9—81747
Tzoar, N. The interaction of polar-optical phonons with a two-dimensional electron gas 9—82434
Tzu-Hsien Chang *see* Chang Tzu-Hsien

U Kyaw Tha Paw *see* Kyaw Tha Paw U
Uan, M. *see* Nicollet, G. 9—100877
Uba, S.M. *see* Kaminska, M. 9—83000
Ubaidullaev, Sh.B. *see* Bairamov, B.Kh. 9—68418
Uberall, H. *see* Dickey, J.W. 9—90046
Uberall, H. *see* Gaunaurd, G. 9—50476
Uberall, H. *see* Gaunaurd, G.C. 9—94529
Uberall, H. *see* Milder, F.L. 9—59049
Uberall, H. *see* Sage, K.A. 9—81606
Uberoi, C., Rao, U.J. Electromagnetic wave propagation at the interface between two polar semiconductors 9—60731
Uberoi, M.S. Mechanisms of decay of laminar and turbulent vortices 9—50732
Uberoi, M.S. *see* Shivamoggi, B.K. 9—90397
Ubertini, P., Emanuele, A., La Padula, C.D., Polcaro, F.V., Rossi-Mori, A. A fully microprocessor controlled payload for hard X-ray detection 9—62716
Ubevall, H. *see* Kelly, F.J. 9—76266
Uchaikin, V.V., Lagutin, A.A. Range fluctuations in an electron-photon shower in an unbounded medium 9—80152
Uchaikin, V.V., Lagutin, A.A., Plyasheshnikov, A.V. On fluctuations of the particle number in electromagnetic cascades 9—96871
Uchastkin, V.I. Structural acoustic relaxation in glassy polymers 9—95088
Uchevatkin, I.F. *see* Medvedev, A.I. 9—75906, 9—75908
Uchida, H. *see* Fromm, E. 9—95169
Uchida, K. *see* Akabor, M. 9—85767
Uchida, N. *see* Hirai, M. 9—59854
Uchida, N. *see* Kashima, N. 9—64321
Uchida, N. *see* Kato, Y. 9—76820
Uchida, N. *see* Kitayama, K.-I. 9—81536
Uchida, N. *see* Seikai, S. 9—55233, 9—59820
Uchida, S., Du Yih Tsai Reliability of the modulation transfer function of radiographic screen-film systems measured by the slit method 9—100712
Uchida, S., Fujita, H. Reciprocity-law failure in radiographic image-forming systems 9—53229
Uchida, S., Fujita, H. Reciprocity-law failure in X-ray films in reversal processing 9—97483
Uchida, S., Kodera, Y., Inatsu, H. Image quality of reversal-developed X-ray film with reference to density 9—100713
Uchida, S., Tanabe, K., Okajima, K., Tanaka, S. Negative magnetoresistance and nonlinear conduction in $Ti_{0.99}V_{0.01}Se_2$ 9—87105
Uchida, S. *see* Asakura, Y. 9—93714
Uchida, S. *see* Inatsu, H. 9—88161
Uchida, S. *see* Kikuchi, M. 9—89376
Uchida, S. *see* Ohta, I. 9—49905
Uchida, T. *see* Nihei, H. 9—55521
Uchida, T. *see* Okabe, N. 9—61703
Uchida, T. *see* Yamazaki, K. 9—68943
Uchida, T. *see* Yamazaki, M. 9—89189
Uchikawa, K. *see* Ikeda, M. 9—53143
Uchikawa, S. *see* Kiguchi, T. 9—97859
Uchikawa, S. *see* Takeda, R. 9—59151
Uchimura, I., Wakabayashi, T., Mashimo, N., Maezawa, H. Characteristics of human platelet insulin receptor 9—92245
Uchimura, S., Hasegawa, A., Hayashi, M. ESR spectra and structure of the halosilane radical anions 9—94023
Uchino, K., Nomura, S. Phenomenological theory of ferroelectricity in solid solution systems $Pb(Fe_{2/3}W_{1/3})O_3$-$Pb(M_{1/2}W_{1/2})O_3$ (M=Mn, Co, Ni) 9—99831
Uchino, K. *see* Kuwata, J. 9—82933
Uchino, O., Mizunami, T., Maeda, M., Miyazoe, Y. Efficient dye lasers pumped by a XeCl excimer laser 9—59691
Uchiyama, G. *see* Tateno, Y. 9—66538
Uchiyama, M. Estimation of ^{137}Cs body burden in Japanese. II. The biological half-life 9—57795
Uchiyama, N. *see* Tsuchida, E. 9—98616
Uchiyama, S. *see* Fujii, T. 9—73767, 9—78435
Uchiyama, S. *see* Iwata, S. 9—78465
Uchiyama, S. *see* Ohashi, K. 9—73780
Uchiyama, S. *see* Shiomi, S. 9—51828
Uchiyama, S. *see* Takagi, H. 9—73706
Uchiyama, S. *see* Tsunashima, S. 9—99746
Uchiyama, T. Renormalization group and slope parameter 9—49389
Uchiyama, Y. *see* Koga, H. 9—77845
Uchizono, K. *see* Higashi, A. 9—57831, 9—92443
Uchtmann, H. *see* Popielawski, J. 9—72985
Uckan, N.A., Dandl, R.A., Hedrick, C.L., Bettis, E.S., Lidsky, L.M., McAlees, D.G., Santoro, R.T., Watts, H.L., Yeh, H.T. The ELMO Bumpy Torus (EBT) reactor 9—76120
Uda, H. *see* Ikegami, S. 9—87992
Uda, M., Endo, H., Maeda, K., Awaya, Y., Kobayashi, M., Sasa, Y., Kumagai, H., Tonuma, T. Bonding effect on F Kα satellite structure produced by 84-MeV N^{4+} 9—59392
Uda, M. *see* Mizutani, U. 9—52078
Udagawa, M., Kimura, K. Comparison between simulation and experiment of solar heating 9—57455
Udagawa, M. *see* Nakamura, T. 9—95774
Udagawa, T. *see* Frohlich, H. 9—67767
Udagawa, T. *see* Ishihara, M. 9—80951
Udagawa, T. *see* Takemasa, T. 9—63639
Udagawa, Y. *see* Suzuka, I. 9—76433
Udalova, E.I. *see* Kirichenko, E.P. 9—87612
Udaltsov, V.S. *see* Mazurenko, Yu.T. 9—65920, 9—78737
Udawat, M.P. *see* Sethi, P.K. 9—74791
Udd, E. *see* Cahill, R.F. 9—72719
Udelson, B.J. *see* Berg, N.J. 9—72515, 9—94328
Uden, P.C. *see* Delaney, M.F. 9—74454
Uden, P.C. *see* Lloyd, R.J. 9—74438
Uden, P.C. *see* Quimby, B.D. 9—74447
Udias, A., Munoz, D. The Andalusian earthquake of 25 December 1884 9—84178
Udintsev, G.B. *see* Malahoff, A. 9—53331
Udo, F. *see* Jonker, M. 9—93399
Udoev, Yu.P. *see* Ovchinnikov, V.A. 9—64330
Udoev, Yu.P. *see* Strigalev, V.E. 9—64347
Udovenko, A.A. *see* Zorchenko, V.V. 9—51693
Udovichenko, S.Yu. *see* Grishanov, N.I. 9—55484
Udovsky, A.L., Gaidukov, A.M., Jvanov, O.S. Phase boundaries of state diagrams of q-component systems as discontinuity surfaces of all second derivatives of the Gibbs equilibrium thermodynamic potential 9—82304
Udoyev, Yu.P. The question of the electron energy loss mechanism in metals of the chromium subgroup 9—91547
Udralov, Yu.I. Determining the depth of occurrence of defects in radiographic inspection 9—66241
Udris, A.I., Karaziya, R.I. The change in atomic quantities when a vacancy occurs in the inner electron shells of a atom 9—63909
Udupa, H.V.K. *see* Anantharaman, P.N. 9—57248
Udupa, K.J. *see* Murthy, I.S.N. 9—74768
Ueba, H., Ichimura, S. Theory of local electronic states in a semi-infinite mixed crystal 9—65401
Ueberschaer, A. *see* Heubner, U. 9—74313
Ueda, A. *see* Inagaki, T. 9—69802
Ueda, H. *see* Hase, T. 9—83289
Ueda, K., Lehmpfuhl, G., Reuber, E. LEED intensity measurement by photographic method with digital image processing 9—60234
Ueda, K. *see* Wakabayashi, N. 9—93897
Ueda, K. *see* Yamamoto, K. 9—78668
Ueda, M., Kitagawa, K., Kato, T., Miyama, K. Fundamental study on the composite materials of lead and steel wires 9—66118
Ueda, M., Nakano, H. Theory of order-disorder transition in binary alloy with arbitrary mole fraction. I. Case of BCC type lattice 9—78957
Ueda, M., Nakayama, H. Three-dimensional display of ultrasonic images using a fly's-eye lens 9—81668
Ueda, M. *see* Shimokawa, H. 9—91062
Ueda, O., Isozumi, S., Yamakoshi, S., Kotani, T. Defect structure of degraded $Ga_{1-x}Al_xAs$ double-heterostructure light-emitting diodes 9—60369
Ueda, R. *see* Yoshikawa, M. 9—77926
Ueda, T. Electronic grating moire equipment [topography] 9—75577
Ueda, T. Dibaryon resonances in πNN and ππNN dynamics 9—75862
Ueda, T. Non-linear free vibrations of conical shells 9—81795
Ueda, T. Contributions of dibaryons as πNN cluster to π-α scattering at 75~260 MeV 9—89328
Ueda, T. *see* Koizumi, Y. 9—59973
Ueda, T. *see* Morioka, S. 9—67582
Ueda, T. *see* Tabata, Y. 9—54620
Ueda, Y. Randomly transitional phenomena in the system governed by Duffing's equation 9—54055
Ueda, Y., Fujita, T., Kazumata, Y., Nishi, M. Br_2^- molecular ions in simple cubic CsBr 9—51838
Ueda, Y., Kitaoka, Y., Yasuoka, H., Kosuge, K., Kachi, S. Temperature dependence of the sublattice magnetization in antiferromagnetic V_4O_7-^{51}V NMR 9—91301
Ueda, Y. *see* Noguchi, F. 9—52136
Ueda, Y. *see* Ono, K. 9—100075
Ueda, Z., Shirafuji, J. Effect of illumination and bias field on semiconductive CdS monolithic convolver with high-resistivity surface layer 9—98554
Uegaki, J., Asai, J., Leung, M.K., Murphy, J.J., II, Shin, Y.M., Skopik, D.M. The reaction of $^{13}N(e, t_0)$ between 20 and 25 MeV 9—80922
Uegaki, J. *see* Tsubota, H. 9—63655
Uehara, A. *see* Nakamura, K. 9—73190
Uehara, H. *see* Fujii, T. 9—50574
Uehara, H. *see* Hakuta, K. 9—68229, 9—76424
Uehara, K. Discrete group and electron-muon mass ratio 9—89090
Uehara, K., Hall, J.L. Hyperfine splitting of the $^{13}CH_4$ line at 3.39 μm observed by laser-saturated absorption 9—76470
Uehara, K. *see* Imai, T. 9—90426
Uehara, K. *see* Maeno, M. 9—98984
Uehara, M. Decays of M_2 baryonium states and a new scheme of baryonium assignment 9—71691
Uehara, M. *see* Aoki, H. 9—66216
Uehara, S., Maeda, Y. A versatile microcomputerized Mossbauer spectrometer 9—67447
Uehara, S. *see* Matsuki, S. 9—67777
Uehara, Y. Occurrence of an 'extrafusal muscle fiber' in the spindle capsule of normal adult zebra-finches: an electron microscopical study 9—74701
Uehling, U.T. *see* Flax, S.W. 9—83724
Ueji, M. *see* Nagino, Y. 9—54470
Ueki, A. *see* Kose, K. 9—87244
Ueki, A. *see* Seki, M. 9—50424

Ueki, K. Variance reduction techniques using adjoint Monte Carlo method in shielding problem 9—63759

Uekusa, S. Modes of propagating light waves in thin film waveguides for integrated optics 9—98510

Uelhoff, W., van der Hart, A.W.A., Fattah, A., Hanke, G., Jedamzik, D., Knook, B., van der Berg, G.J., Wenzl, H. A model for macroscopic Czochralski growth: theoretical and experimental investigations 9—74081

Uematsu, I. *see* Sasaki, S. 9—64133

Uematsu, I. *see* Watanabe, J. 9—66374

Uematsu, K., Shinozaki, K., Sakurai, O., Mizutani, N., Kato, M. Electrical conductivity of the system Y_2O_3-TiO_2 9—78100

Uematsu, K. *see* Kunugi, T. 9—69805

Uematsu, M. *see* Sone, T. 9—81654

Uematsu, T. *see* Kodaira, J. 9—93428

Uemoto, T., Yoshino, K., Inuishi, Y. Electrical properties of ferroelectric liquid crystals. II 9—82154

Uemoto, T., Yoshino, K., Inuishi, Y. Ferroelectric properties of chiral smectic liquid crystals 9—91394

Uemura, K. *see* Sato, T. 9—68499

Uemura, O., Sagara, Y., Tsushima, M., Kamikawa, T., Satow, T. The neutron diffraction study of liquid GeTe and As_2Te_3 9—77485

Uemura, O. *see* Satow, T. 9—51578

Uemura, Y.J., Hayano, R.S., Imazato, J., Nishida, N., Nagamine, K., Yamazaki, T., Yasuoka, H. Spin relaxation of positive muon in paramagnetic MnO 9—56669

Uemura, Y.J. *see* Doyama, M. 9—56704

Uemura, Y.J. *see* Hayano, R.S. 9—56670, 9—56671

Uemura, Y.J. *see* Nishida, N. 9—56664

Ueng, C.E.S. *see* Dickinson, S.M. 9—90164

Ueno, H., Otsuka, S., Taira, K., Kishimoto, A. Studies on diffusion and adhesion of nylon 12 in melt. III. Short-time adhesion of nylon 12 9—70294

Ueno, H., Otsuka, S., Taira, K., Kishimoto, A. Studies on diffusion and adhesion of nylon 12 in melt. IV. Diffusion of Nylon 12 in melt 9—95192

Ueno, I., Salge, J., Fell, B., Braunsberger, U., Conrads, H. Production of repetitive dense plasmas in a focus device with inductive energy storage 9—77427

Ueno, K. *see* Jostlein, H. 9—89310

Ueno, M. Chromium concentration dependence of absorption and photoluminescence spectra in $CdIn_2S_4$:Cr 9—78712

Ueno, M. *see* Saito, N. 9—79513

Ueno, M. *see* Yonezu, H. 9—72566

Ueno, M. *see* Yonezu, H.O. 9—98394

Ueno, N., Sugita, K., Koga, O., Suzuki, S., Yoshino, K., Kaneto, K., Inuishi, Y. Mass spectroscopy of vaporized $(SN)_x$ polymer 9—98249

Ueno, S., Mukai, S. Atmospheric effects on remotely sensed data from space 9—58092

Ueno, S., Nguyen Tan Phat, Harada, K., Matsuoka, S. Automatic decision of the level of anesthesia by EEG analysis 9—83974

Ueno, S. *see* Kusaka, T. 9—88517

Ueno, S. *see* Ohta, M. 9—73169

Ueno, T. Spatial summation in human vision: simple reaction time measurements 9—92223

Ueno, T., Hatano, Y. Penning collision processes 9—64092

Uenosono, C., Kaneko, K., Markon, S. Numerical solution of three-dimensional eddy current problems 9—81324

Uenosono, C., Kaneko, K., Markon, S. A network analogy for three dimensional eddy current problems [electric machines] 9—81325

Uenosono, C. *see* Isa, H. 9—84416, 9—84417

Uesaka, T. *see* Wungkobkiat, S. 9—97413

Uesu, Y., Sorimachi, H., Kobayashi, J. Electrogyration of a nonenantiomorphic crystal, ferroelectric KH_2PO_4 9—61339

Ueta, M., Mita, T., Itoh, T. Resonance Raman scattering and luminescence under two-photon excitation 9—95765

Uetani, K. *see* Nakamura, T. 9—81743

Uetz, H. *see* Kleis, I. 9—79123

Ueyama, N., Takano, T., Yuzawa, G., Yamato, K., Inose, Y., Kuroyanagi, T., Iskii, H. Properties of high-conductivity copper and copper alloy wires 9—91665

Ueyanagi, K. *see* Yamada, K. 9—54578

Uezaki, N., Kobayashi, A., Matsushige, K. The viscoelastic properties of the human semilunar cartilage 9—70568

Ufert, K.-D. *see* Bruckner, W. 9—99587

Ufimtsev, A.A. *see* Zhizhin, G.V. 9—64712, 9—86470

Ufimtsev, G.V. Four-impulse planetary landing and return under time constraints 9—62711

Ufimtsev, V.B., Akchurin, R.Kh., Gimel'farb, F.A. Analysis of heterogeneous equilibria in three-component systems in choosing a solvent for liquid-phase epitaxy of solid solutions of semiconducting compounds 9—87589

Ufimtsev, V.B. *see* Batyrev, N.I. 9—95948

Uflyand, Ya.S. Electrostatic field of a torus and a spherical sector 9—55023

Ugai, M., Tsuda, T. Magnetic field-line reconnexion by localized enhancement of resistivity. III. Controlling factors 9—72998

Ugai, M., Tsuda, T. Magnetic field-line reconnexion by localized enhancement of resistivity. IV. Dependence on the magnitude of resistivity 9—92644

Ugai, Ya.A., Anokhin, V.Z., Gadevskaya, T.A., Mittova, I.Ya., Mironovich, L.E. Chemical etching of certain element-silicate films on silicon 9—86812

Ugai, Ya.A., Gukov, O.Ya., Illarionov, A.A. Heterogeneous equilibria and mass transfer kinetics in the system TiP-I_2 9—95911

Ugai, Ya.A. *see* Domashevskaya, E.P. 9—64044, 9—99984

Ugaste, Yu.E., Kruglov, S.N. Calculating coefficient of interdiffusion in binary systems in case of cylindrical symmetry 9—69297

Ugazio, S. *see* Amaldi, E. 9—67217

Uggerhoj, E. *see* Kuranev, S. 9—52050

Ugi, I. The deductive solution of chemical problems by computer programs on the basis of a mathematical model of chemistry 9—52620

Ugletveit, F. *see* Stranden, E. 9—70485

Uglov, A.A., Kolyane, Yu.M., Kulik, A.N., Stotskii, F.I. Stresses in flat bodies with absorption under action of local heat source 9—64485

Uglov, A.A. *see* Bykalin, N.N. 9—74090

Uglov, F.G., Zubtsovskii, V.N., Dobrova, N.B., Bushmarin, O.N., Orlovskii, P.I., Saraev, Yu.V., Perimov, Yu.A. Distribution of pressure on the surface of the closing elements of artificial heart valves 9—57811

Ugrin, S.Yu. *see* Aleksakhin, I.S. 9—63942

Ugrinovic, K. *see* Lazarevic, Z. 9—55278

Uguzzoni, A., Vannini, G. Bremsstrahlung spectra as a probe of nuclear-reaction mechanism 9—76016

Uguzzoni, A. *see* Malaguti, F. 9—59041, 9—63671

Uhde, W. *see* Robers, J. 9—49810

Uher, C. Electrical resistivity of arsenic from 7K down to 50 mK 9—60839

Uher, C. *see* Pratt, W.P., Jr. 9—69500

Uhland, E. Anomalous flow behaviour of high density polyethylene melts 9—77048

Uhlenbusch, J. *see* Hackmann, J. 9—68909

Uhlenhopp, E. *see* Williams, J.B. 9—100570

Uhlherr, P.H.T. *see* Sarmiento, G. 9—64743

Uhlig, H.H. Applying critical potential data to avoid stress corrosion cracking of metals 9—74308

Uhlmann, D.R. *see* Meyer, M. 9—55675

Uhlmann, D.R. *see* Renninger, A.L. 9—73109

Uhlmann, D.R. *see* Warner, S.B. 9—77531

Uhlmann, G. *see* Afanas'ev, V.A. 9—97832

Uhm, H.S., Davidson, R.C. Cyclotron maser instability of intense solid electron beams 9—55494

Uhm, H.S., Davidson, R.C. Stability properties of a cylindrical rotating P layer immersed in a uniform background plasma 9—64851

Uhm, H.S., Davidson, R.C. Stability properties of a field-reversed ion layer in a background plasma 9—77370

Uhm, H.S. *see* Davidson, R.C. 9—86126

Uhm, H.S. *see* Destler, W.W. 9—85833

Uhniat, M., Rubaj, M., Wasilewska, W. Some dependences between the parameters of the molecular weight distribution function and properties of vulcanized ethylene-propylene terpolymers 9—50175

Uhrhammer, R. Shear-wave velocity structure for a spherically averaged Earth 9—92504

Uhrich, D.L., Christensen, S.H., Wilson, J.M., Manka, C.K., McDonald, P.F. Career-oriented physics for the nonscience major 9—71168

Uhrich, D.L. *see* LaPrice, W.J. 9—95687

Uhrmacher, M. *see* Bertini, R. 9—63623, 9—85565

Ui, M. *see* Yasukawa, H. 9—77149

Uihlein, C., Feierabend, S. Magnetoreflectance of exciton-polaritons in cubic II-VI compounds. I. Comparison of the magnetic field behaviour of excitons and polaritons 9—91410

Uihlein, C., Feierabend, S. Magnetoreflectance of exciton-polaritons in cubic II-VI compounds. II. Semiclassical treatment 9—99857

Uijen, C.M.J.van *see* van Uijen, C.M.J.

Uijen, C.M.J.Van *see* Van Uijen, C.M.J.

Uilenreef, P.L. *see* Broekhuijsen, M.L. 9—74669

Uitert, L.G.Van *see* Van Uitert, L.G.

Uiterwaal, G.M. *see* van Genderen, A.M. 9—58342

Ujeno, Y. Carcinogenetic hazard from natural background radiation in Japan 9—57720

Ujihara, K. Quantum theory of a one-dimensional optical cavity with output coupling. IV. The fluctuation-dissipation theorem in an arbitrarily stratified structure 9—89876

Ujiie, N. *see* Ishihara, N. 9—85860

Ukai, K., Hanazawa, K. End-point determination of aluminum reactive ion etching by discharge impedance monitoring 9—83372

Ukai, K. *see* Chiba, M. 9—93898

Ukawa, A. *see* Konishi, K. 9—63455, 9—93346

Ukawa, M. The landward thinning of the low-velocity layer across the Kurile-Japan trench 9—79782

Ukhanov, E.V., Lebedeva, L.P. Calculation of the systematic error in spectroradiometric measurements in the IR 9—75629

Ukhanov, M.N. *see* Cochet, C. 9—80854

Ukhanov, Yu.I. *see* Kazakova, L.A. 9—91479

Ukhin, N.A. *see* Zhukov, V.A. 9—95416

Ukhlinov, G.A. *see* Vigdorovich, V.N. 9—51698

Ukhorskaya, T.A., Berner, A.I., Gimel'farb, F.A. Effect of fluorescent excitation in the vicinity of the phase boundary on results of local X-ray spectral analysis 9—52813

Ukhorskaya, T.A. *see* Verner, A.I. 9—52819

Ukhov, B.V., Klochkova, V.G., Krasnikov, D.N., Benza, S.M. Effect of optical system aberrations on the basic parameters of a thermal imaging system 9—81552

Ukhov, B.V. *see* Klochkova, V.G. 9—50398

Ukhov, V.F., Dzugutov, M.M., Polukhin, V.A. Molecular-dynamic simulation of static and dynamic structural factors of liquid aluminium 9—69005

Ukhov, V.F. *see* Kobelev, A.V. 9—99430

Ukhov, V.F. *see* Mon'kin, V.D. 9—51549

Ukke, O.V. *see* Zakharova, K.P. 9—71920

Ukleja, P. *see* Collings, P.J. 9—64987

Ukolov, I.M. *see* Alifanov, O.M. 9—93110

Ukolov, V.V. *see* Kurochkin, Yu.V. 9—86629

Ukrainskii, I.I. Effect of electron interaction on Peierls instability 9—51490

Ukraintsev, Yu.G. *see* Baturin, P.I. 9—97473

Ukshe, E.A. *see* Mikhailova, A.M. 9—70348

Ukshe, E.A. *see* Tkacheva, N.S. 9—100401

Ulaby, F.T., Bradley, G.A., Dobson, M.C. Microwave backscatter dependence on surface roughness, soil moisture, and soil texture. II. Vegetation-covered soil 9—62534

Ulanov, V.A., Akhremtsev, V.I. Attachment to the MI machine for measuring wear of plastic specimens without removing them from the machine 9—87784

Ulanov, V.G. *see* Arifov, L.Ya. 9—75814

Ulanov, V.M. *see* Kalashnikova, V.I. 9—58831

Ulanski, S.L., Garstang, M. Some aspects of Florida convective rainfall 9—88455

Ulasevich, V.K. *see* Gornostaev, B.D. 9—76130

Ulasevich, V.K. *see* Velikhov, E.P. 9—71954, 9—76122

Ulashchik, V.Ye. *see* Brazgovka, A.I. 9—96716

Ulasyuk, V.N. *see* Kuklev, V.P. 9—89936

Ul'berg, Z.R., Deinega, Yu.F., Estrela-Lopez, V.R. Simultaneous electrophoretic deposition of polymer and electrochemical precipitation of metal 9—56938

Ul'berg, Z.R. *see* Dukhin, S.S. 9—96319

Ulbrich, C.W. Relationships of equivalent reflectivity factor to the vertical fluxes of mass and kinetic energy of hail 9—84393

Ulbrich, R.G. Optical studies of hot electrons 9—95845

Ulbricht, A. Putting the Optiplanimat X-ray planigraphic unit to the test in the daily routine 9—62340

Ulbricht, W. *see* Hoffmann, H. 9—74423

Ulden, A.P.van *see* van Ulden, A.P.

Ulehla, M.V.K. *see* Wendelken, J.F. 9—77902

Ulenikov, O.N. *see* Makushkin, Yu.S. 9—63982

Ulfert, G., Metag, V., Habs, D., Specht, H.J. Quadrupole moment of the 200-ns fission isomer in ^{238}U 9—71856

Uliasz, T., Precht, W. The role of eddy currents in studies of magnetic anisotropy with a rotating sample magnetometer 9—63278

Ulin, S.E. *see* Gal'per, A.M. 9—80133

Ulinich, F.R. *see* Korneev, V.V. 9—69611

Ulinich, F.R. *see* Usov, N.A. 9—73457

Ulinskas, R.V. *see* Zukauskas, A.A. 9—98708, 9—98712

Ullaland, O. *see* Drijard, D. 9—80853, 9—89150, 9—89198

Ullmaier, H. *see* Braski, D.N. 9—55796, 9—87684

Ullmaier, H. *see* Trinkaus, H. 9—83320

Ullman, A.H. *see* Latz, H.W. 9—74452

Ullman, A.Z., Botts, T.E., Breton, D., Chan, C.K., Sehnert, M., Kastenberg, W.E., Okrent, D. Some safety considerations in laser-controlled thermonuclear reactors 9—89497

Ullman, R. Small angle neutron scattering from polymer networks 9—90569

Ullman, S. *see* Marr, D. 9—83779

Ullmann, H. *see* Fuge, R. 9—97787

Ullo, J.J. *see* Hardy, J., Jr. 9—67833

Ullola, G.A. *see* Vogel, J.M. 9—53218

Ullrich, G. Influence of the nematic order on the fluorescence of perylene and 4-dimethylamino-4'-nitrostilbene 9—81235

Ullrich, H. Study of the pion absorption via the observation of the subsequent particle emission 9—85493

Ullrich, H. *see* Backenstoss, G. 9—76035

Ullrich, H. *see* Bassalleck, B. 9—59089, 9—67780, 9—85496

Ullrich, H.J. On the corrosion resistance of hard porcelain in conditions of practical use 9—100270

Ullrich, K., Probst, C., Wittig, J. Search for superconductivity in rubidium at high pressure 9—56359

Ullrich, O.A. Photographic pyrometry—methods, merits, and applications 9—93144

Ul'man, W., Pan'kov, V.L. Equation of hydrostatic compression of solid bodies 9—62489
Ulmer, R.W. *see* Card, H.C. 9—73596
Ulmer, W. On the application of a Gauss transformation in nonlinear quantum mechanics. II. Problems with spin 9—63082
Ulmer, W. On a rigorously classical approach to the Sine-Gordon theory 9—92962
Ulmschneider, P., Schmitz, F., Hammer, R. Theoretical temperature minima for Arcturus (K 2 IIIp), a possible explanation of the Wilson-Bappu effect 9—62825
Ulrich, B.T., Van der Heijden, R.W., Verschueren, J.M.V. Femtovoltmeter and voltage tunable heterodyne receiver based on the DC resistive SQUID 9—63276
Ulrich, H.G. A new luminance standard 9—89980
Ulrich, M. *see* Andelfinger, C. 9—76162
Ulrich, R., Johnson, M. Fiber-ring interferometer: polarization analysis 9—64333
Ulrich, R., Johnson, M. Single-mode fiber-optical polarization rotator 9—76808
Ulrich, R., Simon, A. Polarization optics of twisted single-mode fibers 9—81524
Ulrich, R. *see* Rashleigh, S.C. 9—75544
Ulrich, R.K., Knapp, G.R. The gas flow near T Tauri stars 9—67004
Ulrich, R.K. *see* Margon, B. 9—62839
Ulrick, J.S. *see* Verosub, K.L. 9—70785
Ulrickson, M. *see* Colestock, P. 9—98955
Ulrickson, M. *see* Eubank, H. 9—82074
Ulrych, G. *see* Suchy, P. 9—97756
Ulstrup, J. *see* Jortner, J. 9—66263
Ultman, J.S., Thomas, M.W. Longitudinal mixing in pulmonary airways: comparison of inspiration and expiration 9—100657
Ulwick, J.C. *see* Kelley, M.C. 9—75022
Ul'yanenko, A.P. *see* Kudryavstev, A.V. 9—96100
Ul'yanenko, A.P. *see* Novikov, N.V. 9—57070
Ul'yanin, E.A. *see* Bogatova, N.L. 9—83374
Ul'yanitskii, V.Yu. *see* Nikolaev, Yu.A. 9—100379
Ul'yanov, A.A. *see* Demidov, N.A. 9—67326
Ul'yanov, K.N. Probe diagnostics of a high-pressure plasma for different probe and plasma temperatures 9—82092
Ul'yanov, N.A. *see* Frenkel', A.L. 9—100790
Ul'yanov, V.I. *see* Shvartsman, L.A. 9—69248
Ul'yanov, V.L. *see* Pozdeeva, E.V. 9—60526
Ulybin, S.A., Makarushkin, V.I., Skorodumov, S.V. Viscosity of krypton at temperatures 120-1300K and pressures up to 10^9 dyn/cm^2 9—60536
Ulybin, S.A. *see* Bakulin, S.S. 9—82025
Um Chung-In *see* Chung-In Um
Uma Devi, S. *see* Krishna Murthi, P.G. 9—56586
Umakantha, N. *see* Chikkur, G.C. 9—97143
Umakoshi, Y. *see* Yamaguchi, M. 9—61674
Uman, M.A. *see* McDonald, T.B., III 9—70845
Umana, M. *see* Rolison, D.R. 9—91960
Umanskii, E.S., Lyashenko, B.Ya., Zhachkov, Yu.K., Veselovskii, R.A. Testing strength of adhesive joints under normal rupture and shear stresses 9—52500
Umanskii, E.S. *see* Kudryavstev, A.V. 9—96100
Umanskii, M.M. *see* Sovetnikova, V.G. 9—94965
Umanskii, S.E. Finite element method for studying quenched stresses in glassware 9—66087
Umanskii, S.E. *see* Arutyunyan, R.A. 9—68600
Umansky, I.G. *see* Baldin, A.M. 9—72125
Umarji, A.M. *see* Vasudevan, S. 9—64956
Umarov, B.S. *see* Khuseinov, B. 9—86910
Umarov, G.R. *see* Altshuler, A.M. 9—99110
Umarov, G.Ya., Abaev, A.N., Alavutdinov, Dzh.N., Rubchak, I.Yu., Alimov, A.K., Abduazizov, A. Study of solar concentrator thermoreceivers for disinfecting waste water sediments 9—83624
Umarov, G.Ya., Alimov, A.K., Ovechkin, N.F. A low-temperature thermal solar motor 9—96480
Umarov, G.Ya., Avezov, R.R., Kakharov, N.A. Investigation of the temperature distribution over the width of the screen of low-temperature solar water heaters with tubular heat receivers 9—94464
Umarov, G.Ya., Trukhov, V.S., Gaziev, U.Kh., Baimatov, T., Abidov, T.Z., Klyuchevskii, Yu.E. Solar energy thermoreceiver with selective coating and vacuum thermoisolation 9—83621
Umarov, G.Ya. *see* Kantariya, R.V. 9—52934
Umarov, N.N. *see* Makarov, G.N. 9—71398
Umashankar, K.R. *see* Wait, J.R. 9—92483
Umbarger, C.J., Wolf, M.A. A totally new pocket radiation chirper 9—68165
Umbarger, C.J. *see* Close, D.A. 9—85692
Umeda, J. *see* Kajimura, T. 9—76694
Umeda, N., Tsukiji, M., Takasaki, H. Properties of the light from the single axial mode laser degenerated by transverse magnetic field 9—64254
Umemoto, M., Wayman, C.M. The effect of austenite ordering on the mode of reverse transformation in Fe-Pt alloys 9—61588
Umemura, S., Iida, S. Mossbauer study of Fe^{2+} in the low temperature phase of Fe_3O_4 9—91319
Umeno, M., Kawabe, H., Doi, K. HVEM investigations of crystal defects in S-doped LEC-GaP crystals 9—60376
Umeno, M. *see* Sakai, S. 9—63307, 9—68405
Umerenkova, N.A., Borkoviskii, Yu.Z., Basil'eva, I.E. Effect of notch sharpness on fracture characteristics obtained in impact tests 9—52536
Umerov, R.S. *see* Saidov, M.S. 9—66003
Umesh, G., Sharma, R.P. Conversion of an ordinary EM beam into an extraordinary beam in a magnetoplasma 9—64872
Umesh, G. *see* Mathur, S.S. 9—62148
Umesh, G. *see* Sodha, M.S. 9—62117, 9—86566, 9—94799
Umetskaya, V.N., Turoverov, K.K. Study of the excited state of indole. Dichroism spectrum of stretched polyethylene films activated with indole 9—54864
Umeya, K., Kanno, T. Effect of flocculation on the dilatant flow for aqueous suspensions of titanium dioxides 9—61916
Umezawa, H. *see* Mancini, F. 9—99653
Umezawa, H. *see* Matsumoto, H. 9—82705
Umezawa, H. *see* Seki, S. 9—73669
Umezawa, H. *see* Stuart, C.I.J.M. 9—57622
Umezawa, M. *see* Kojima, T. 9—55056
Umezawa, Y., Yamamura, T. Mn(III) porphyrin electrode for a possible wet solar cell 9—100529
Umino, N. *see* Takagi, A. 9—57875
Umino, O. *see* Fukurotani, K. 9—83782
Umlauf, E., Schmid, W., Bredl, C.D., Steglich, F., Loewenhaupt, M. Low temperature properties of $(La,Nd)Sn_3$ alloys 9—78254
Umlauf, E. *see* Bredl, C.D. 9—60973
Umlauf, E. *see* Schmid, W. 9—60958
Umlauf, E. *see* Schollhorn, R. 9—99158
Umova, V.M., Sadovskii, V.D. Influence of structural inheritance on the growth of austenite grains during heating of steel 9—61582
Umrigar, P.P., Ohashi, S., Butler, G.B. Synthesis and properties of alternating copolymers of potential antitumor activity containing 5-fluorouracil 9—91613
Umurzakov, A. *see* Saidov, M.S. 9—51667, 9—73582
Un Chong Kwan On speech digitization and bandwidth compression techniques. II. ADPCM and ADM 9—55273
Un Chong Kwan On speech digitization and bandwidth compression techniques. I. ADPCM and ADM 9—59876
Unamuno, S.de *see* de Unamuno, S.
Underdal, L., Lange, S., Palmgren, O., Thorshaug, N.P. PVC past rheology and polymer characteristics 9—86724
Underhill, A.B. Outflowing atmospheres across the HR diagram 9—66996
Underhill, A.E. *see* Carneiro, K. 9—95393
Underhill, A.E. *see* O'Neill, J.H. 9—51582
Underhill, A.E. *see* Wood, D.J. 9—69504, 9—78087
Underhill, C., Leung, S.Y., Dresselhaus, G., Dresselhaus, M.S. Infrared and Raman spectroscopy of graphite-ferric chloride 9—56797
Underhill, C., Leung, S.Y., Dresselhaus, G., Dresselhaus, M.S. Lattice modes in layered graphite-ferric chloride 9—95785
Underwood, B.Y. Flux perturbation due to a 5 cm×5 cm NE213 scintillation spectrometer in a LiF assembly 9—85855
Underwood, D. *see* Biel, J. 9—89309
Underwood, D. *see* Chaney, D. 9—89308
Underwood, D. *see* Jonckheere, A. 9—63527
Underwood, D.G. Hyperon beams as a source of polarized protons 9—63845
Underwood, J.H. *see* Clarke, G.A. 9—52542
Underwood, S.A. Use of micro-processors for medical monitoring in sleep research 9—96693
Unerti, W.N. *see* Thapliyal, H.V. 9—83068
Unesikhin, N.E., Pishvanova, N.A., Shaparenko, V.V. Cryostat for optical investigations 9—88962
Unezhev, V. *see* Venikov, N. 9—54651
Ung, A.Y.-M. Comments on a note entitled 'Spectrum of the Lewis-Rayleigh nitrogen afterglow' 9—64938
Ungan, P. *see* Basar, E. 9—74627
Ungar, T. Dynamical theory of electron scattering 9—55616
Ungar, T. Dislocation reactions 9—55745
Unger, D.G. *see* Mahanthappa, K.T. 9—67470
Unger, F.G., Chelnokov, Yu.V., Voroshnin, V.P., Andreeva, L.N., Artemova, F.Sh. Equipment for introducing mixtures of liquids with a high range of boiling points (of the crude-oil type) into the injection system of a mass spectrometer 9—85197
Unger, G. IEC-bus coupler for digital voltmeters 9—93118
Unger, H. *see* Froehlich, G. 9—54550
Unger, H.-J. Eigenstates of an electron in ordered and disordered ensembles of scatterers 9—99466
Unger, I. *see* Semeluk, G.P. 9—61426
Unger, J. Local distribution of temperature in fuel storage pools 9—49816
Unger, J. Free convection flow between two containers at different temperature 9—81984
Unger, K. *see* Breitenstein, O. 9—51522
Unger, R. *see* Schoppe, G. 9—79700, 9—79701
Unger, W.K. Raman scattering from soft phonons in NdP_5O_{14} 9—51962
Ungerer, K. *see* Bach, E. 9—66554
Ungethum, M. *see* Stallforth, H. 9—84004
Ungewickell, E., Bennett, P.M., Calvert, R., Ohanian, V., Gratzer, W.B. In vitro formation of a complex between cytoskeletal proteins of the human erythrocyte 9—96514
Ungier, W., Suffczynski, M. Phonon replicas of bound exciton recombination 9—52008
Ungricht, E. *see* Bodek, K. 9—76015
Unikel', A.P. *see* Kagan, A.S. 9—52223, 9—86803
Union, D.C., Conwell, R.L. Application of experience in petrochemical industry to development of radiation monitoring systems 9—59280
Unnam, J., Tenney, D.R., Stein, B.A. An empirical relationship for homogenization in single-phase binary alloy systems 9—55892
Unnikrishnan, P. *see* Pal, P.C. 9—92631
Unno, K., Ro, T., Hagihara, N. Atmospheric dispersion models applicable to environmental problems 9—100552
Unno, W. *see* Masaki, I. 9—80214
Uno, F. *see* Tsutsui, K. 9—74800
Uno, T. *see* Machida, K. 9—89678
Unoki, H. *see* Oka, K. 9—100038
Unonius, L. *see* Suortti, P. 9—86651
Unruh, W.G. Quantum nondemolition and gravity-wave detection 9—67218
Unruh, W.G., Opat, G.I. The Bohr-Einstein 'weighing of energy' debate 9—97152
Unruh, W.G. *see* Berlinsky, A.J. 9—77580
Unruh, W.G. *see* Davies, P.C.W. 9—97286
Unruh, W.G. *see* Leahy, D.A. 9—88696
Unsal, M., Thomas, W.C. Linearized stability analysis of film condensation 9—55381
Unsold, E. *see* Nitsche, R. 9—57315
Unsworth, A., Shannon, F.T. A biomechanical study of the treatment of tibial fractures using plaster casts 9—74696
Unsworth, M.H., Shakespeare, N.W., Milner, A.E., Ganendra, T.S. The frequency of fog in the Midlands of England 9—84458
Unsworth, P. *see* Pendlebury, J.M. 9—67359
Unterberger, H. *see* Fromm, I. 9—72715
Untereker, D.F. The use of a microcalorimeter for analysis of load-dependent processes occurring in a primary battery 9—61963
Unterhorst, E.J. *see* Schanz, G. 9—51868
Unterreitmeier, E., Teupser, Ch., Buder, H. The electronic seismograph EDS 1 9—84503
Untiedt, J., Pellinen, R., Kuppers, F., Opgenoorth, H.J., Pelster, W.D., Baumjohann, W., Ranta, H., Kangas, J., Czechowsky, P., Heikkila, W.J. Observations of the initial development of an auroral and magnetic substorm at magnetic midnight 9—66888
Unus, I.J. *see* Indira, P.A. 9—49608, 9—49977
Uo, K., Motojima, O., Iiyoshi, A. Heliotron E project 9—81077
Uo, K. *see* Morimoto, S. 9—50879
Uo, K. *see* Motojima, O. 9—99001
Uo, K. *see* Mutoh, T. 9—90425
Uozato, H., Nagata, R. Further consideration on the measurement of small retardation with uniform-field Babinet compensator using sensitive interference-colour 9—93208
Uozumi, K. A model to account for the field effect of the electrical conductance of discontinuous thin metal films 9—78219
Upadhya, K.N. *see* Mishra, G.P. 9—72326
Upadhya, V.S. *see* Chaturani, P. 9—62275
Upadhyay, H. Phanerozoic peridotitic and pyroxenitic komatiites from Newfoundland 9—79772
Upadhyay, H.D., Neale, E.R.W. On the tectonic regimes of ophiolite genesis 9—57898
Upadhyay, P.N. Modern and fast electronic techniques used in a high energy physics experiment 9—59315
Upadhyay, P.N. A new approach for separating simultaneously produced scintillation and Cerenkov radiation 9—93893
Upadhyay, S.N. *see* Nigam, K.K. 9—73328
Upadhyay, S.N. *see* Pandey, D.K. 9—68552
Upadhyaya, B.R., Kerlin, T.W. Modified noise analysis method for the estimation of temperature sensor response time characteristics 9—59216
Upadhyaya, B.R., Kerlin, T.W. Estimation of response time characteristics of platinum resistance thermometers [in PWR] by the noise analysis technique 9—93742
Upadhyaya, G.S., Misra, P.S. Sintering of aluminium-refractory carbides dispersed systems 9—74118
Upadhyaya, J.C., Wang, S. Effect of Van der Waals forces on the crystal structure of heavy alkali metals 9—99111
Upadhyaya, J.C. *see* Kumar, J. 9—60448
Upadhyaya, R.S. *see* Gupta, H.N. 9—77702
Upadyshev, A.B. *see* Vavilov, V.O. 9—91897
Upchurch, E.C. *see* Suck, S.H. 9—70824
Updike, S.J. *see* Flax, S.W. 9—83724
Updike, S.J. *see* Mastenbrook, S.M., Jr. 9—53174
Upit, G.P., Maiks, Ya.E., Simanovskii, A.A. MIM-8 microscope attachment to study adhesion and stripping process and metal coatings on transparent substrates tested by scratching process 9—49280
Upit, G.P., Manika, I.P. Photomechanical and photoplastic effects in surface layers of CdS crystals 9—99264

Uplekar, A.G. *see* Soundalgekar, V.M. 9—86499
Upp, L. *see* Levie, S.A. 9—68866
Upreti, G.C. *see* Kumar Jain, A. 9—65715
Upton, T.H., Goddard, W.A., III Theoretical studies of nickel clusters and chemisorption of hydrogen 9—82445
Ura, K., Fujioka, H., Hosokawa, T. Picosecond pulse stroboscopic scanning electron microscope 9—71565
Ura, K., Fujioka, H., Saito, T., Morimura, N. Development of microsecond pulse stroboscopic TEM: Mark I 9—71568
Ura, K. *see* Masuda, M. 9—56232
Urabe, S. *see* Akiyama, T. 9—81018
Urabe, Y. *see* Kobayashi, A.S. 9—61732
Urabe, Y. *see* Mall, S. 9—55348
Uralil, F., Sederel, W., Anderson, J.M., Hiltner, A. Effect of structural variation on the low temperature relaxation of aromatic polyesters 9—66096
Uralov, A.M., Fedorov, L.V. The mechanism of formation of loop prominences 9—58315
Ural'tsev, N.G. *see* Ansel'm, A.A. 9—93379
Uramoto, J. Electron temperature effects for an ion beam source 9—93863
Uranishi, K. *see* Oba, R. 9—98768
Uranishi, M. *see* Sato, S. 9—74637
Uranishi, Y. *see* Niegawa, A. 9—93342
Urao, R., Tachibana, T., Isshiki, S. Heat treatment and ion-nitriding of steels 9—87718
Uray, L. *see* Barna, A. 9—56993
Urazbaev, T.T. *see* Zon, B.A. 9—50340
Urazova, V.A., Krylova, L.M., Smirnova, A.V. Effect of high-temperature heating on oxide inclusions 9—96051
Urbach, A.R., Vorreiter, J., Mason, P. Design of superfluid helium dewar for the IRAS telescope 9—54143
Urbakh, M.I. *see* Brodskii, A.M. 9—60905
Urban, E.W., Katz, L., Hendricks, J.B., Karr, G.R. A cryogenic helium II system for Spacelab 9—54141
Urban, J.P.G., Maroudas, A., Holm, S. Diffusion of small solutes into the intervertebral disc: as in vivo study 9—62276
Urban, K. *see* Phillipp, F. 9—99244
Urban, M. *see* Fancher, D. 9—68148
Urban, V.V. *see* Romanov, G.S. 9—77200
Urban, W. *see* List, U. 9—86162
Urban, W. *see* Puerta, J. 9—89894
Urbanek, V. *see* Landspersky, H. 9—49813
Urbanek, V. *see* Melichar, R. 9—67921
Urbaniak-Kucharczyk, A. Spin correlation function in iron 9—78334
Urbonavichus, V. *see* Grigas, I. 9—69765
Urcola-Galarza, J.J., Fuentes-Perez, M. Modulated microstructures in iron-copper alloys 9—87665
Ure, J.E. *see* Anda, E. 9—73405
Ure, R.W., Jr. *see* Callister, W.D. 9—78919
Ure, R.W., Jr. *see* Kao, P.-W. 9—83055
Ureche, V. Ellipsoid-ellipsoid approximation for close binary systems with elliptical orbits 9—80338
Urenko, J.B. Improbability of collisions in Newtonian gravitational systems of specified angular momentum 9—53706
Ur'ev, N.B. *see* Chernomaz, V.E. 9—56952
Urezchenko, V.M. *see* Baturov, B.B. 9—59235
Urgell, J.J. *see* Blanchet, R. 9—56937
Uri, N.D. Interfuel substitution possibilities: short-term prospects [electricity supply industry] 9—87942
Urie, M.W. *see* Lambert, M.C. 9—81066
Urinson, A.S. *see* Nefedov, A.P. 9—50892
Urintsev, A.L. *see* Markman, G.S. 9—86424
Urland, W. The interpretation of the crystal field parameters for f^n-electron systems by the angular overlap model the enneaaquorare-earth ethylsulfates 9—56171
Urland, W. The assessment of the crystal field parameters for f^n-electron systems by the angular overlap model. Rare-earth ions in $CaWO_4$ 9—60772
Urland, W. Overlap integrals involving 4f orbitals 9—72225
Urland, W. Magnetic properties of the normal-temperature-form of $CsTmO_2$ 9—91205
Urli, N. Lattice defects in semiconductors 9—55776
Urlin, V.D. *see* Bessarab, A.V. 9—98941
Urlin, V.D. *see* Kormer, S.B. 9—98352
Urlin, V.D. *see* Vyskubenko, B.A. 9—64250
Urman, N.S. *see* Shcherbinskii, V.G. 9—52567
Urmanov, A.R. *see* Ved'manov, G.D. 9—97959
Urner, P. *see* Orlowski, R. 9—51456
Uronen, P., Aurasmaa, H., Leiviska, K. Advanced process control minimizes kraft mill effluents 9—52988
Urosevic, V.V., Zekovic, Lj.D., Panic, B.M., Veljkovic, Z.V. Investigation of dynamics of anodic oxide film growth by luminescence method 9—57236
Urpin, V.A. *see* Dolginov, A.Z. 9—58382, 9—62854
Urquhart, D. *see* Sweet, M.A.S. 9—91508
Urrutia, L.F. *see* Ivanetich, R.J. 9—63354
Ursache, M. Investigations of the suitability of some alloys of the Al-Mn-M system as permanent magnet materials 9—73773
Urschitz, D. *see* Crisan, D. 9—77717
Ursin, B. Attenuation of coherent noise in marine seismic exploration using very long arrays 9—74840
Ursin, B. Seismic signal detection and parameter estimation 9—92502
Ursu, E. *see* Pop, M.G.M. 9—54560
Ursu, I., Lupei, V., Lupei, A., Voicu, I. Use of EPR hyperfine structure in determination of uranium isotopic abundances 9—91296
Ursu, I. *see* Burzo, E. 9—78336, 9—87323
Urumov, V., Ivanovski, G.J. Spherical Ising model with regularly spaced defects 9—56486
Urumov, V. *see* Ivanovski, G.J. 9—56330
Urupov, A.K. *see* Polshkov, M.K. 9—84531
Urupov, A.K. *see* Vasil'ev, S.A. 9—58118, 9—74981
Urusov, V.S. *see* Kravchuk, I.F. 9—65015, 9—65111
Urusovskaya, A.A., Knab, G.G. Thermal activation analysis of plastic deformation of PbS single crystals 9—65095
Urusovskaya, A.A., Knab, G.G., Sangwal, K. Dislocation retardation centers in γ-irradiated LiF crystals 9—95051
Urusovskaya, L.N., Smirnova, E.V. IR spectra and structure of glasses in the $Al(PO_3)_3$-NaF system 9—65882
Urwank, P. *see* Weiss, L. 9—51770
Ury, I., Margalit, S., Yust, M., Yariv, A. Monoloithic integration of an injection laser and a metal semiconductor field effect transistor 9—64242
Uryson, A.V. *see* Baiburina, S.G. 9—80156, 9—80170
Uryu, N. *see* Iwashita, T. 9—61123, 9—99670
Uryu, N. *see* Kamase, K. 9—99690
Uryu, N. *see* Osaki, K. 9—91224
Uryupin, S.A. *see* Silin, V.P. 9—69612
Us, N.N. *see* Es'kova, N.F. 9—61776
Usacev, S. *see* Povinec, P. 9—68144, 9—76287
Usagawa, T. Quantum interference effect on low-energy He atomic beam scattering at the surface of He II 9—99382
Usami, A., Fujii, Y., Kudo, B. Effects of heat treatments and the Li-doping on the minority carrier lifetime in dislocation-free p-type silicon 9—65492
Usami, A., Yamaguchi, M. Lithium-doped drift-field radiation-resistant P/N-type silicon solar cells 9—66406
Usami, K., Yamanaka, S. The electrical properties of Ge films prepared by DC sputtering 9—78237
Usami, T. Study of Earthquakes in the Sanriku district during the Edo period. Seismic activity and some gigantic earthquakes 9—70749
Usatenko, S.T., Morozov, V.I., Klassen, V.I. Effect of magnetic fields on the rotational infrared spectra of water 9—54849
Usatikov, I.F., Kalita, G.E., Gal'chenko, T.G. Wettability of aluminosilicate refractories with molten steel 9—82415
Usatyi, A.N. *see* Dudenkov, A.V. 9—78708
Usatyi, A.N. *see* Senokosov, E.A. 9—91173
Uselman, J. *see* McKlveen, J.W. 9—57432
Usenko, A.D. *see* Stolyarov, S.I. 9—49253
Usenko, V.A. *see* Gorodetsky, D.A. 9—90902
Ushakhin, V.A. *see* Bogdankevich, O.V. 9—59703
Ushakov, I.E. *see* Raikher, V.L. 9—70246
Ushakov, O.I. *see* Scherbedinskii, G.V. 9—95221
Ushakov, S.N. *see* Bulanin, V.V. 9—64915, 9—68957
Ushakov, V.F., Chernenko, Yu.P. Adhesive strength of ultrastructural elements of contacts of the hepatocytes 9—57682
Ushakov, V.G. *see* Konsetov, V.V. 9—77094
Ushakov, V.I. *see* Burgov, N.A. 9—97710
Ushakov, V.M. *see* Efimov, I.A. 9—76101
Ushakov, V.V. An annular method of recording the scattering indicatrix in a diffraction structurometer 9—54165
Ushakov, Yu.V., Fok, M.V. Origin of the fine structure in electroluminescence spectra 9—95847
Ushakova, T.V. *see* Gorskaya, N.V. 9—53028
Ushanova, N.I., Aleksandrovskaya, A.M., Nikonov, M.V. Frequencies of the normal vibrations of TeO_4^{2-}, SbO_4^{3-}, GeO_4^{4-}, and SnO_4^{4-} 9—54837
Ushatkin, E.F. *see* Meriakri, V.V. 9—56756
Usher, J.L. *see* Miley, G.H. 9—76143
Ushida, N. *see* Fuchi, H. 9—59299, 9—63548, 9—80112, 9—85299
Ushijima, T., Takahashi, A., Nakamura, S., Hata, K. Image Data Processing in the Geostationary Meteorological Satellite System (GMSS) 9—92627
Ushijima, T. *see* Freeman, F.J. 9—57675
Ushikubo, K. *see* Okuda, N. 9—100738
Ushin, A.S. *see* Belov, A.V. 9—59857
Ushioda, S., Aziza, A., Valdez, J.B., Mattei, G. Effects of surface roughness on surface polaritons 9—73451
Ushioda, S., Delaney, M.J. Liquid-like Raman scattering by superionic materials 9—95769
Ushiro, T. *see* Homma, H. 9—81815
Ushiroda, S. *see* Kondo, Y. 9—86627
Ushirokawa, A. *see* Ohnishi, K. 9—82681
Ushizaka, T., Mishina, H., Asakura, T. Signal analyzing system in laser Doppler microscope by means of the period measuring method 9—88998
Ushizaka, T. *see* Takai, N. 9—97366
Ushveridze, A.G. Spherically nonsymmetric instantons in scalar field theories 9—93298
Usikov, A.S. *see* Alferov, Zh.I. 9—89910
Usikov, M.P. *see* Kazakovtseva, V.A. 9—100177
Usikov, N.V. D-optimal designs for quadratic regression on a hypercube 9—92921
Uskokovic, D., Nikolic, Z., Ristic, M.M. The analysis of the sintering process on the basis of sintering maps 9—74117
Uskov, A.V. *see* Belenov, E.M. 9—51727
Uslenghi, P.L.E. *(editor)* Electromagnetic scattering 9—72470
Usmani, Q.N. Λ binding to nuclear matter in fermi hyper-netted chain approximation 9—85396
Usmani, Q.N. *see* Mujib, F. 9—85394
Usmani, Q.N. *see* Shoeb, M. 9—85395
Usmani, R.A. Discrete methods for boundary value problems with applications in plate deflection theory 9—49045
Usmanov, M.Kh. *see* Vedyaev, A.V. 9—73502
Usmanov, R.R. *see* Alikov, B.A. 9—75919
Usmanova, G.Sh. *see* Grigorovich, V.K. 9—56983
Usov, A.A., Shermergor, T.D. Dispersion of the velocity and scattering of ultrasonic waves in composite materials 9—86844
Usov, N.A., Ulinich, F.R. Three-dimensional Wigner crystal in magnetic field 9—73457
Usov, N.A. *see* Korneev, V.V. 9—69611
Usov, V.F. *see* Zalesskaya, I.M. 9—78917
Usov, V.V. *see* Ochelkov, Yu.P. 9—58370
Usov, Yu.V. *see* Larikov, L.N. 9—86787
Usovich, Yu.A., Kokleev, V.I. Electronic loading-cycle counter for SMTs-2 friction machine 9—52527
Uspenskii, A.B. *see* Korotchenko, A.I. 9—95724
Uspenskii, O.A. *see* Afanasenkov, A.N. 9—64734
Uspenskii, O.A. *see* Gostintsev, Yu.A. 9—81943
Uspenskii, Yu.A. Nonphonon mechanism of superconductivity and static screening in paramagnetic metals 9—78258
Usry, J.W. *see* Whitlock, C.H. 9—66832
Ustimenko, B.Yu. *see* Bruk, Yu.M. 9—62863
Ustimov, V.I. *see* Lavrov, B.P. 9—76524
Ustinov, A.I. *see* Larikov, L.N. 9—52202
Ustinov, A.I. *see* Lysak, L.I. 9—83196
Ustinov, E.A., Moroz, V.I. Refinement of the H_2O content value in the atmosphere of Venus with narrow-band photometry data from Venera 9 and Venera 10 9—62779
Ustinov, L.M. *see* Shorshorov, M.Kh. 9—55340, 9—79039
Ustinov, N.D. *see* Andreeva, N.P. 9—94297
Ustinov, S.I. *see* Gan, M.A. 9—76616
Ustinov, V.N. Stochastic parameters of spike activity of the gastroduodenal zone 9—79496
Ustinov, V.V. Surface scattering of conduction electrons in metals under spin resonance conditions 9—82857
Ustinov, V.V. *see* Okulov, V.I. 9—56210
Ustinov, Yu.K. *see* Bernatskii, D.P. 9—67267
Ustinova, G.K. *see* Lavrukhina, A.K. 9—80129
Ustugi, T. *see* Makishima, A. 9—77779
Ustyugov, V.I. *see* Galaktionova, N.M. 9—63317
Usui, A. Nickel and copper accumulation as essential elements in 10-Å manganite of deep-sea manganese modules 9—66674
Usui, H., Takezoe, H., Fukuda, A., Kuze, E. Determination of the Frank elastic constant ratios in MBBA by observing the angular dependence of Rayleigh scattering 9—99059
Usui, H. *see* Takezoe, H. 9—94873
Usui, S. *see* Matsunaga, S. 9—71881
Usui, Y. *see* Inoue, G. 9—66298
Usuki, T. *see* Nakagawa, T. 9—69780
Usvatov, V.A. *see* Rezchikov, V.G. 9—57327
Us'yarov, O.G. *see* Makagonova, N.N. 9—66356
Us'yarov, O.G. *see* Voznaya, E.E. 9—56045
Usyukina, N.I. Deep inelastic asymptotics of the Mandelstam graph 9—85244
Utagawa, K. Theory of diffraction efficiency and anomalies of shallow metal gratings of finite conductivity 9—55050
Utaka, K., Suematsu, Y., Kishino, K., Kawanishi, H. Measurement of coupling coefficient and coupling length of GaAs/AlGaAs integrated twin-guide injection lasers prepared by liquid-phase-epitaxy 9—81458
Utaka, K. *see* Kawanishi, H. 9—98387
Uthe, E.E. Remote sensing of aerosol properties using laser radar techniques 9—66841
Uthe, E.E. *see* Russell, P.B. 9—100965
Uthman, A.P., Demlein, P.J., Allston, T.D., Withiam, M.C., McClements, M.J., Takacs, G.A. Photoabsorption spectra of gaseous methyl bromide, ethylene dibromide, nitrosyl bromide, thionyl chloride, and sulfuryl chloride 9—50038
Utkin, E.N. *see* Dubnishchev, Yu.N. 9—77305
Utkin, E.N. *see* Kuznetsov, E.A. 9—98692
Utkin, Yu.A. *see* Glotova, N.N. 9—55575
Utkin, Yu.A. *see* Nikolaev, V.A. 9—73218
Utkina, O.A. *see* Bessonov, Yu.L. 9—98408
Utlaut, M. *see* Hwang, D.M. 9—100001

Utsugi, Y., Mizushima, Y. Optically broadened lattice vibrational spectra in amorphous arsenic chalcogenides 9—77712

Utsumi, A., Sagawa, T., Shintani, T., Kobayashi, R., Sugawa, T. Modified rod-in-tube method for low-loss step-index optical fiber 9—50467

Utsumi, H., Elkind, M.M. Potentially lethal damage qualitative differences between ionizing and non-ionizing radiation and implications for 'single-hit' killing 9—96627

Utsunomiya, H. *see* Inamura, T. 9—67770

Utsunomiya, T. *see* Goto, H. 9—57626

Utsunomiya, T. *see* Sato, H. 9—94347

Uttamsingh, R.J. Computer simulation of renal dialysis for improved patient management 9—70703

Uttley, W.S. *see* Merrick, M.V. 9—100703

Utton, D.B. *see* Scurlock, R.G. 9—51334, 9—58717, 9—58720

Utyamyshev, R.I., Dadashev, R.S., Grishin, A.N. Prospects for developing medical equipment and instruments for public health institutions 9—96699

Utyamyshev, R.I., Dadashev, R.S., Grishin, A.N. Organizing metrological servicing of utilized medical equipment 9—96702

Utyamyshev, R.I. *see* Dadashev, R.S. 9—96700, 9—96703

Utyamyshev, R.I. *see* Grishin, A.N. 9—96701

Utyamyshev, R.I. *see* Khapilov, N.V. 9—100789

Utyuzh, A.N. *see* Kechin, V.V. 9—86832

Utzig, E. *see* Cesari, E. 9—88956

Uuemois, H. *see* Kleis, I. 9—79123

Uusimaki, A. *see* Leppavuori, S. 9—93137

Uvarov, A.I. Martensite transformation, induced by stressing, and the mechanical properties in iron-nickel based aged alloys 9—87632

Uvarov, A.I., Karpov, P.P. Fatigue strength of precipitation-hardening high-alloy steels 9—79103

Uvarov, A.I. *see* Grekhov, I.V. 9—95487

Uvarov, A.R. *see* Labunov, V.A. 9—96245

Uvarov, B.S. *see* Sikora, A.V. 9—56868

Uvarov, V.A. *see* Givernaud, A. 9—75801

Uvarov, V.V. *see* Gerashchenko, O.A. 9—86539

Uvarova, L.A. *see* Yalamov, Yu.I. 9—72787

Uvarova, M.P. *see* Korzunin, G.S. 9—66238

Uvarova, N.N. *see* Lugina, A.S. 9—50352, 9—55181

Uvarova, S.K. *see* Gabovich, A.M. 9—65578

Uwabe, T., Noda, S., Kurata, E., Hayashi, S. Characteristics of vertical components of strong-motion accelerograms 9—62458

Uwaha, M., Homma, S., Nakano, H. Inverse temperature expansion for quantum lattice model 9—55950

Uwamino, Y. *see* Shin, K. 9—76152

Uwe, H., Kinoshita, J., Yoshihiro, K., Yamanouchi, C., Sakudo, T. Evidence for light and heavy conduction electrons at the zone center in $KTaO_3$ 9—73426

Uwe, H., Tokumoto, H. Pressure-induced ferroelastic transition and internal displacement in TeO_2 9—73240

Uy, Z.E.S. $K_1 \rightarrow \gamma\gamma$ decay rate and vector-meson-exchange contributions 9—49523

Uyama, K. *see* Hayakawa, S. 9—71128, 9—80350

Uyeda, S., Kanamori, H. Back-arc opening and the mode of subduction 9—70778

Uyeda, S., Wantanabe, T., Kausel, E., Kubo, M., Yashiro, Y. Report of heat flow measurements in Chile 9—66652

Uyeda, S., Watanabe, T., Volponi, F. Report of heat flow measurements in San Juan and Mendoza, Argentine 9—66653

Uyeha, H., Tachiwaki, T. An analytical study on local voidage and local equivalent radius and tortuosity in regular packed bed of equal-sized spheres 9—50793

Uyemura, T. *see* Miyazaki, T. 9—64610

Uylings, H.B.M. *see* Overdijk, J. 9—70720

Uylings, J.H.M., Van Himbergen, A. Safety precautions in electrosurgery 9—92317

Uyttendaele, P. *see* Schlosser, G. 9—71935

Uz, T. *see* Corapcioglu, Y. 9—61667

Uzberg, L.V., Ignatova, T.S., Maurin, A.F., Myakisheva, N.A., Dauknis, V.I., Peras, A.Ya., Yanukenas, V.I. Some properties of materials produced from yttrium oxide 9—82594

Uzelac, K., Pfeuty, P., Jullien, R. Yang-Lee edge singularity from a real-space renormalization-group method 9—97317

Uzer, T., Dalgarno, A. The photodissociation of CH^+ through absorption into shape resonances of the $A^1\Pi$ state 9—54924

Uzer, T., Dalgarno, A. Photodissociation of Li_2^+ ions 9—86014

Uzgiris, E.E., Cluxton, D.H. Smoothing of Doppler spectra line shapes in electrophoretic analysis of biological cell suspensions 9—84053

Uzhinskii, V.V. *see* Anoshin, A.I. 9—89213

Uzhinskii, V.V. *see* Pak, A.S. 9—80953, 9—89327

Uzhva, V.I. The capacitance of intrinsic InSb in a strong transverse magnetic field 9—91070

Uzhva, V.I. *see* Dobrovol'skii, V.N. 9—69534

Uzi, F. *see* Kasemura, T. 9—69323, 9—95247

Uzlov, I.G., Parusov, V.V., Khotienko, Yu.P. Kinetics of austenite transformation accompanying interrupted and cyclical cooling of wire rod by water-air mixture 9—70064

Uzuakpunwa, A.B., Brownlow, A.H. The structural and metamorphic history of the Taconic unconformity in western Massachusetts 9—84248

Uzunoglu, N.K., Fikioris, J.G. Scattering from an infinite dielectric cylinder embedded into another 9—59620

V. Rao Gandikota *see* Gandikota V. Rao

Vaagen, J.S., Kumar, K. Matrix elements for scattering and two-nucleon transfer operators derived from dynamic deformation theory wavefunctions 9—85488

Vaalburg, W. *see* Paans, A.M.J. 9—54696

Vaart, H.Van de *see* Van de Vaart, H.

Vacca, N.M.T. Mean internal stress potential of polarisable dielectric crystals, subject to a constant magnetic field and in vibratory motion 9—65797

Vaccari, G. The pigments of cones in the human retina: brief annotated bibliography 9—62256

Vaccari, G. *see* Barca, L. 9—62257

Vaccaro, G.K. *see* Pease, D.M. 9—69653

Vaccarone, R. *see* Siri, A. 9—58729

Vacchi, A. *see* Bertin, A. 9—89811

Vacchiano, S. *see* Avanzini, P.G. 9—97793

Vacek, J. *see* Zbytovsky, A. 9—63735, 9—67818

Vachagin, K.D. *see* Gelvin, N.K. 9—98780

Vachat, R.du *see* du Vachat, R.

Vacher, R. *see* Pelous, J. 9—51972

Vacher, R. *see* Rey-Lafon, M. 9—77669

Vacik, J. *see* Janacek, J. 9—57031

Vacik, J. *see* Kolarik, J. 9—57033

Vacquie, S. *see* Kafrouni, H. 9—64940

Vadchenko, S.G., Grigor'ev, Yu.M. Investigation into kinetics and mechanism of high-temperature nitriding of niobium 9—74300

Vader, R.J., Schreuder, H.W. New methods for stabilizing dee voltage and beam RF phase 9—54688

Vadher, P.C., Vora, J.C. Corrosion of brass and tin in souring substances 9—87760

Vadkhva, R.S. *see* Akimov, B.A. 9—69413

Vadura, R. *see* Kvapil, J. 9—65017

Vaeck, L.Van *see* Van Vaeck, L.

Vafin, R.A. Influence of elastic strain on oxidisability of Chromel alloy 9—70116

Vaganov, A.K., Vasil'ev, V.S., Gordin, V.I., Litunovsky, R.N. The diagnostics of the beam phase characteristics of the 240-cm isochronous cyclotron 9—54718

Vaganov, V.P., Amelina, E.A., Shchukin, E.D. Formation of condensation-crystallization contact between dissimilar crystals 9—65332

Vager, Z. *see* Algranati, M. 9—93883

Vaghi, S., Zappala, V., Curir, A., de Sanctis, G., Ferreri, W., Bacchelli, L. Positions of selected minor planets 9—58292

Vagin, L.N., Filatov, A.M., Ershov, A.Yu., Rumyantsev, V.A. 'Foton-2' holographic reader-copier 9—81395

Vagin, L.N., Filatov, A.M., Vorob'ev, S.P., Egorov, V.I. Automated 'Migol-1' system for the holographic miniaturization of documents 9—72538

Vagin, L.N., Filatov, A.M., Vorob'ev, S.P., Zaborovskii, L.A. 'Kvant-1'—an automatic system for the retrieval and conversion of holograms into photographic microforms of documents 9—76643

Vagin, L.N., Makrova, L.T. Determination of luminance of holographic image 9—81394

Vagin, S.P., Kroshko, V.N., Soloukhin, R.I., Yakobi, Yu.A., Yanik, A.A. Population inversion in two-step mixing in a gas-dynamic system with independent thermal excitation 9—89888

Vaglio, R. *see* Balsamo, E.P. 9—56430

Vagner, N.A. *see* Bessonov, Yu.L. 9—98408

Vagnetti, F. *see* Di Fazio, A. 9—97089

Vago, G., Kertesz, G., Jr. Modification of the layer thickness-distance function at high-rate evaporation 9—87568

Vagramyan, T., Leach, J.S., Moon, J.R. The structures of zinc electrodeposits formed at low current densities 9—57242

Vagt, J.-D. Hot-wire probes in low speed flow 9—82010

Vaguine, V. *see* McEuen, A. 9—100802

Vahala, G., Vahala, L. Stable equilibrium statistical states for spheromaks 9—60134

Vahala, G. *see* Ambrosiano, J. 9—72999

Vahala, G. *see* Montgomery, D. 9—60114

Vahala, L. *see* Vahala, G. 9—60134

Vahey, D.W. Corrected waveguide geodesic lenses for integrated acoustooptic spectrum analysis 9—50241

Vahl, G. *see* Feuerhahn, M. 9—93995

Vahrenkamp, R.P., Seliger, R.L. A 100-mA low-emittance ion source for ion-beam fusion 9—68069

Vaid, B.K., Jain, D.L. An electrostatic potential problem involving two coaxial circular disks in a free space 9—76542

Vaid, R.P. *see* Tandon, P.N. 9—72786

Vaida, P. Observation on the paper by A.M. Shalaev 'Dependence of the threshold energy displacement in metals on the energy of bombarding particles' 9—90697

Vaida, T. *see* Blikle, T. 9—86495

Vaidhyanathan, V.S. Nernst-Planck analog equations and stationary state membrane electric potentials 9—92196

Vaidya, A.W. *see* Park, J.G. 9—63213

Vaidya, D.B. *see* Shah, H.S. 9—81362

Vaidya, W.V. Modification of the precipitate interface under irradiation and its effect on the stability of precipitates 9—77651

Vaidyanathan, A., Tsay, Y.F., Mitra, S.S. Electronic structure and optical properties of rhombohedral arsenic and their variations with the internal displacement parameter 9—60702

Vaidyanathan, A. *see* Tsay, Y.F. 9—78008

Vaidyanathan, K.V. *see* Anderson, C.L. 9—69139

Vaidyanathan, R. A finite moments algorithm for particle transport problems 9—67237

Vail, R.C. *see* MacDonald, D.B. 9—55281

Vainberg, V.E. *see* Byrin, V.N. 9—50499

Vainberg, V.E. *see* Sosedov, V.N. 9—52297

Vainer, A.A. *see* Zakhidov, R.A. 9—83560

Vainer, I.G. *see* Safonov, V.A. 9—93218

Vainer, L.A., Naumenko, G.A., Parshin, A.M., Pokrovskii, V.V. Facility for fracture testing of irradiated specimens 9—79201

Vainer, L.M., Podoplelov, A.V., Leshina, T.V., Sagdeyev, R.Z., Molin, Yu.N. Effect of a magnetic field on the rate of decomposition of H_2O_2 by catalase and by the EDTA complex with Fe^{3+} 9—52631

Vainer, V.S., Veinger, A.I., Shkul'kov, A.V., Polonskii, Yu.A. Electron spin resonance spectrum of Zr^{3+} ions 9—69716

Vainshtein, A.I., Zakharov, V.I., Novikov, V.A., Shifman, M.A. The η'-meson as a pseudoscalar gluon 9—71718

Vainshtein, A.I. *see* Eidelman, S.I. 9—49458

Vainshtein, B.K. *see* Tsuprun, V.L. 9—62183

Vainshtein, B.K. *see* Volkova, G.A. 9—57577

Vainshtein, L.A., Duboshinskii, Ya.B. Excitation of low-frequency oscillations by a high-frequency force 9—53970

Vainshtein, S.I. Magnetic gyrotropy in a medium with inhomogeneous density 9—94730

Vainshtok, V.A., Krasovskii, A.Ya., Nadezhdin, G.N., Stepanenko, V.A. Use of stereoscopic fractography for analyzing resistance to the development of cracks 9—90189

Vainshtok, V.A. *see* Krasovskii, A.Ya. 9—57113

Vaiopoulos, D.A. *see* Dionysiou, D.D. 9—97219

Vairon, J.P. *see* Mauzac, M. 9—95670

Vaisbein, Zh.Yu. *see* Bulyarskii, S.V. 9—90923

Vaisberg, O.L. *see* Intriligator, D.S. 9—96861

Vaisburd, D.I. *see* Aduev, B.P. 9—99188

Vaisburd, D.I. *see* Balychev, I.N. 9—86820

Vaisenberg, A.O., Lepikhin, Yu.B., Smirnitskii, V.A., Shabel'skii, Yu.M., Sheinkman, V.A. Weak absorption of antiprotons in their production from protons with impulse 10 GeV/c 9—75987

Vaishnava, P.P. *see* Singh, M. 9—98113

Vaishnene, L.A. *see* Andronenko, L.N. 9—59103

Vaishya, J.S. *see* Bhide, V.G. 9—62061

Vaisman, A.M., Gol'dshtik, M.A. Flow through a thin porous layer (grid) 9—77236

Vaissiere, J.C. *see* Nava, F. 9—56233

Vaitkevicius, H.H., Sokolov, Ye.N. Model of the analyser of the intensity of light 9—57648

Vaitkus, J. *see* Baubinas, R. 9—65408

Vaitkus, Yu., Gaubas, E., Yarashyunas, K. Investigation of the mechanism of self-diffraction of light on the surface of germanium 9—72685

Vaitkus, Yu., Vishchakas, Yu., Yarashyunas, K. Recording of pulse holograms in semiconductors 9—55091

Vaitkus, Yu. *see* Baltrameyunas, R. 9—65391

Vaitkyavichyus, A. *see* Averyanov, E.M. 9—77518

Vaiude, D.G. *see* Dhere, N.G. 9—91161

Vaivod, P.A. *see* Zolotoyabko, E.V. 9—56644

Vajda, J. *see* Krempasky, J. 9—65424

Vajda, P. *see* Biget, M. 9—60356

Vajda, S. *see* Ionescu-Bujor, M. 9—99799

Vajravelu, K. The effect of variable fluid properties on the free convective flow of air/water confined between two parallel vertical walls 9—55369

Vakar, A.K. *see* Legasov, V.A. 9—91947

Vakar, K.B. Classification and structure of quality control systems by acoustic emission in nuclear-power engineering equipment 9—93758

Vakarchuk, I.A. Microscopic theory of the λ transition in liquid He^4. I 9—73365

Vakarin, S.V. *see* Kaliev, K.A. 9—52482

Vakhitov, M.B., Paimushin, V.N., Yakupov, N.M. On solution of the plane problem of reinforced panels of variable stiffness 9—94497

Vakhmenin, A.P. *see* Amelin, E.A. 9—67308

Vakhrameev, V.I. *see* Khalilev, V.D. 9—94913

Vakhramov, Yu.S. *see* Kotler, N.I. 9—95947

Vakhrusheva, V.S. *see* Krishtal, M.A. 9—87650

Vakhtin, A.G. *see* Birzhevoi, G.A. 9—60404

Vakhula, Ya.I. *see* Yashchishin, I.N. 9—61554
Vaklev, J.S. *see* Ivanov, M.I. 9—63389
Vaks, V.L. *see* Burenin, A.V. 9—98062
Vakser, A.I., Gurevich, Yu.G. Boundary conditions for transport equations in nonequilibrium conducting media 9—91127
Vakula, S.I. *see* Strel'nitskii, V.E. 9—90924
Vakulenko, A.A. *see* Arutyunyan, R.A. 9—68600
Vakulenko, O.V., Shutov, B.M. Determination of electron traps depth in silicon carbide by the method of additional IR absorption induced by UV excitation of crystals 9—78721
Vakulov, P.V., Kuznetsov, S.N., Zakharov, A.V., Likhter, Ya.I., Pisarenko, N.F., Fischer, S. The precipitation of electrons in the plasmasphere during a geomagnetic storm 9—80069
Vakulovskii, S.M., Vorontsov, A.I., Katrich, I.Yu., Koloskov, I.A., Rovinskii, F.Ya., Roslyi, E.I. Tritium in atmospheric precipitations, rivers, and the seas in and around the USSR territory 9—74560
Val Sek Choi *see* Choi Val Sek
Valakh, M.Y. *see* Artamonov, V.V. 9—51966
Valakh, M.Ya., Dykman, M.I., Lisitsa, M.P., Rudko, G.Yu., Tarasov, G.G. Self-induced resonant optical rotation in crystals KCl:Li 9—65831
Valance, A., El Maddarsi, M. Application of semiclassical theory of inelastic scattering to $H^+ + Cs \rightarrow H(2s) + Cs^+$ 9—59551
Valance, A. *see* El Maddarsi, M. 9—59530
Valanis, K.C. *see* Kosinski, W. 9—64523
Valanju, P. *see* Kaul, R. 9—71637
Valastro, S. *see* Mack, R.N. 9—62473
Valat, P., Tourbez, H. On the possibility of recording picosecond spontaneous Raman spectra 9—89011
Valat, P. *see* Tourbez, H. 9—66445
Valat, P. *see* Villar, J.G. 9—66462
Valberg, A. *see* Breitmeyer, B.G. 9—88076
Valberg, A. *see* Tansley, B.W. 9—57658
Valberg, L.S. *see* McLellan, J.S. 9—100706
Valbis, J.A. *see* Kulis, P.A. 9—83021
Valbis, J.A. *see* Rachko, Z.A. 9—74008
Valbousquet, A. A new method of orbit calculation for double stars 9—92801
Valby, G.F. *see* Crawford, B.W. 9—89404
Valdes, H.C. *see* Ciurlizza-Guizar, A. 9—50605
Valdes, M.V. *see* Gutkowski, D. 9—54010
Valdez, J.B. *see* Ushioda, S. 9—73451
Valdimirov, A.B., Kaigorodov, V.N., Klotsman, S.M., Trakhtenberg, I.Sh. Volume diffusion of impurities of the 'silver' series in nickel 9—99369
Vale, G.K., Vlasov, G.I., Plyavin', I.K. The absolute quantum yield of stored light sums in activated alkali halide crystals 9—56851
Valeev, K.G., Stepanov, A.I. Certain partial solutions of a dynamic three dimensional problem in the theory of elasticity 9—63042
Valeev, R.G. *see* Bogod, Yu.A. 9—60845
Valeev, V.A. *see* Blagoi, Yu.P. 9—70514
Valeeva, I.A. *see* Mavashev, Yu.Z. 9—94307
Valencia-Chavez, J.A., Reid, R.C. The effect of composition on the boiling rates of liquefied natural gas for confined spills on water 9—69235
Valencic, V. *see* Gyergyek, L. 9—83958
Valencio, D.A. *see* Sinito, A.M. 9—84098
Valensin, G. *see* Gaggelli, E. 9—62171
Valente, E. *see* Barone, L.M. 9—80835
Valente, I., Bowen, H.J.M., Minski, M.J. Rapid determination of antimony in biological and environmental samples using instrumental neutron activation analysis 9—53008
Valente, I. *see* Bowen, H.J.M. 9—88490
Valente, V. *see* Celio, R.B. 9—93425
Valente, V. *see* Jonker, M. 9—93399
Valenti, B., Ciferri, A. Rheological behavior of an aromatic polyamide-hydrazide 9—64978
Valenti, B. *see* Alfonso, G.C. 9—95992
Valenti, G. *see* Basile, M. 9—76275
Valentin, F. Flow measurement by means of pressure difference at submerged control sections 9—68873
Valentin, G., Le Goff, P. Increase of mass transport at a wall due to the impact of an inert particle 9—60050
Valentin, J. *see* Badier, J. 9—93460
Valentin, L. *see* Tricoire, H. 9—54448
Valentine, K.H. *see* Kania, M.J. 9—54543
Valentini, E. *see* Tabary, F. 9—53184
Valentini, J.J. *see* Becker, C.H. 9—89748
Valentini, P. *see* Avanzini, P.G. 9—97793
Valentini, P. *see* Bragagnoli, F. 9—97782
Valenzuela, R. *see* Manero, O. 9—77190
Valero, F.P.J., Suarez, C.B., Boese, R.W. Intensities and half-widths at different temperatures for the $201_{III} \leftarrow 000$ band of CO_2 at 4854 cm^{-1} 9—89713
Val'es, N.G. Vibrations of a system of rods in a liquid 9—94551
Valeton, J.M., van Norren, D. Retinal site of transient tritanopia 9—88078
Valeton, J.M., van Norren, D. Transient tritanopia at the level of the ERG b-wave 9—100614
Valetskii, P.M. *see* Chalykh, A.E. 9—51432
Valetskii, P.M. *see* Godovskii, Yu.K. 9—55895
Valetskii, P.M. *see* Rogovina, L.Z. 9—65010
Valetskii, P.M. *see* Storozhuk, I.P. 9—55915
Valette, C. *see* Behar, J. 9—63330
Valette, J.N. *see* Monaco, A. 9—62482
Valevich, A.I. *see* Belushkina, A.A. 9—63324
Valevich, M.I. *see* Troitskii, V.A. 9—91900
Valiev, R., Z., Kaibyshev, O.A., Khannanov, Sh.Kh. Grain boundaries during superplastic deformation 9—65099
Valigi, M., Gazzoli, D. An X-ray and thermogravimetric study of SnO_2-TiO_2 and ZrO_2-TiO_2 solid solutions 9—90792
Valignat, N. *see* Dombre, M. 9—91623
Valignat, N. *see* Durand-Charre, M. 9—74159
Valimaa, I. *see* Hautojarvi, P. 9—55952
Valiron, P. *see* Philippe, M. 9—86036
Valis, A.S., Kaushinis, S.K., Malishauskas, M.A., Chaplikas, P.P., Ragul'skis, K.M. System for recording holograms on the storage unit of a read-only holographic memory 9—81396
Valitov, V.M. *see* Feldman, Y.D. 9—85149
Valitskas, V.V. *see* Shirvaitis, A.I. 9—56336
Valk, F.van der *see* van der Valk, F.
Valk-Fai, T., Crowe, A., van Riel, N.H., van Veen, A.J. Simulation of chelonian hind-limb reflex movements 9—74642
Valkar, S. *see* Abdinov, O.B. 9—89334
Valkarova, A. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Valkarova, A. *see* Lichard, P. 9—97639
Valkin, M.M. *see* Polyanskov, Yu.V. 9—96196
Valko, L., Alaxin, P., Goljer, I., Biskupic, S. The electronic structure of the 1:1 hydrogen bonded complex of hydroperoxy radical with water in gaseous phase 9—59356
Valkonen, J. Structural studies on scandium compounds formed by selenium oxoacids 9—99122
Val'kov, V.I. *see* Kamenev, V.I. 9—73720
Val'kov, V.Yu. *see* Sobolev, B.V. 9—69566
Val'kovoi, V.S. *see* Gokhberg, Ya.A. 9—52493
Val'kovskii, S.N. *see* Simun, E.A. 9—72638
Valladares, W. *see* Fournier, P. 9—88103
Vallade, M., Lajzerowicz, J. Critical behaviour of compressible Ising models at marginal dimensionalities 9—69677
Vallade, M. *see* Dolino, G. 9—81484
Valladon, M. *see* Huber, A.M. 9—90988
Vallance Jones, A., Gattinger, R.L. The relative intensity of the [N I] 1.04-μm multiplet as an indicator of the mean height of auroral forms 9—70909
Vallauri, R. *see* Bambini, A. 9—68398
Valle, J. *see* Kalogeropoulos, T. 9—93406
Valle, R. *see* Naka, S. 9—91677
Valleau, J.P. *see* Ng, K.-C. 9—99293
Valleau, J.P. *see* Patey, G.N. 9—86665
Valleau, J.P. *see* Torrie, G.M. 9—96315
Vallee, J.P., Wilson, A.S., van der Laan, H. The 'Papillon' radio galaxy IC 708 9—92855
Vallee, J.P. *see* Viner, M.R. 9—62885
Vallely, L.A. *see* Lissberger, P.H. 9—78776
Valles-Abarca, J.A. *see* Conzalez-Diaz, G. 9—82686
Valles-Abarca, J.A. *see* Jimenez-Rodriguez, J.J. 9—87550
Valley, G.C. Long- and short-term Strehl ratios for turbulence with finite inner and outer scales 9—62577
Valley, G.C., I-Wu Shen, P., Kelly, R.E. Thermal blooming in axial pipe flow 9—94268
Valley, G.C., Wandzura, S.M. Spatial correlation of phase-expansion coefficients for propagation through atmospheric turbulence 9—80021
Valley, M., Berry, R.S. Correlation effects in low-energy scattering of electrons by a model negative ion 9—54967
Vallieres, M., Feng, D.H., Pinkston, W.T. Angular momentum and binding energy effects in two-nucleon transfer 9—59021
Vallieres, M. *see* Dutta, A.K. 9—67638
Vallieres, M. *see* Sprung, D.W.L. 9—89260, 9—93482
Vallin, J.T. *see* Kaminska, M. 9—83000
Vallot, R. *see* N'Diaye, A. 9—66301
Valls, O. *see* Levin, K. 9—51356
Valls, O.T. *see* Levin, K. 9—95233, 9—95234
Valov, P.M. *see* Agafonov, V.G. 9—69414
Val'ovka, I.P., Kuz'ma, Yu.B. The system U-[Fe,Co,Ni]-B 9—52157
Valter, A.K. *see* Blagoev, K.B. 9—98038
Valtonen, E. *see* Nieminen, M. 9—49555, 9—89346
Valtonen, M.J. Statistical properties of double radio sources 9—92877
Valtonen, M.J., Byrd, G.G. A binary model for the Coma cluster of galaxies 9—71133
Valuev, A.A., Dikhter, I.Ya., Zeigarnik, V.A. Striations produced in exploding cesium wires at supercritical pressures 9—64952
Valuev, A.A. *see* Norman, G.E. 9—64832
Valuev, E.M. *see* Ageenkov, A.T. 9—97831
Valukina, N.V. *see* Burdukov, A.P. 9—90309
Valuzhis, A.D. *see* Misyunas, A.A. 9—63945, 9—63964
Valyaev, N.I., Olofinskii, E.P., Stepin, B.S., Chinenkov, I.A. Application of the Reichardt dependence to calculation of pressurized turbulent Couette flow in a circular annular slot 9—90229
Valyanskaya, T.V. *see* Stepanov, G.N. 9—65576
Valyanskii, S.I. Recoil momentun in lead and zinc irradiated with a Q-switched ruby laser 9—65961
Valyanskii, S.I., Zhiryakov, B.M., Lipatov, N.I., Popov, N.I., Samokhin, A.A. Behaviour of pressure of delivery during process of establishment of conditions for evolved vaporisation of metal under action of optical emission 9—55877
Valyavko, V.V., Krylov, B.V., Stepanenko, A.S. Spectrometry of high-speed processes 9—93227
Valyshev, V.M. *see* Anisimov, M.A. 9—77766
Vampouille, M. *see* Colombeau, B. 9—72494
Van, C.L. *see* Bialynicki-Birula, I. 9—64187
Van, V.Nguyen *see* Nguyen Van, V.
van Aalst, R.M. *see* Plomp, A. 9—83684
van Aernsbergen, L.M. *see* Silvera, I.F. 9—73918
Van Agt, S.L.Th.J. The Sculptor dwarf spheroidal galxy. I. Discovery and identification of variable stars 9—58431
van Aken, P.B. *see* Van Daal, H.J. 9—65444
van Albada, G.D. *see* Bajaja, E. 9—66928
van Albada, T.S., de Boer, K.S., Dickens, R.J. Far ultraviolet photometry of globular clusters with ANS. I. Two different groups of blue horizontal branch clusters 9—71080
Van Allen, J.A. Energetic electrons in Jupiter's dawn magnetodisc 9—70987
Van Allen, J.A. Propagation of a Forbush decrease in cosmic ray intensity to 15.9 AU 9—96866
Van Allen, J.A. *see* Goertz, C.K. 9—53764, 9—84731
Van Allen, J.W. *see* Goldman, A. 9—100894
van Alphen, L., Nauwen, P., Slakhorst, J. The relation between the composition, the structure parameters and the etchability of alloyed Al-cathode foils for electrolytic capacitors 9—74314
Van Alsenoy, C. *see* Figeys, H.P. 9—72234
Van Althen, M. *see* Elberink, J.O. 9—80640
Van Andel, H.W.H., Rutgers, W.R. Experimental study of microwave spectra emitted from a turbulent heated toroidal discharge 9—50893
Van Andel, H.W.H. *see* Boucher, C. 9—64841
van Apeldoorn, G.W., Harting, D., Holthuizen, D.J., Pijlgroms, B.J., Rijssenbeek, M.M.H.M., Warmerdam-De Leeuw, J.M. Study of diffraction dissociation and double resonance production in the final state $\bar{p}p\pi^+\pi^-$ at 7.2 GeV/c 9—89177
van Ardenne, A. *see* Schilizzi, T.R. 9—92878
Van Ass, H.M.J.M. Diffusion kinetics of some glass systems used for the production of optical fibres 9—90040
Van Assche, P.H.M. *see* Borner, H.G. 9—93865
Van Assche, P.H.M. *see* Van den Cruyce, J.M. 9—93491
van Ast, M.A. *see* de Beer, R. 9—70524
Van Ast, M.A. *see* van Ormondt, D. 9—87070
Van Atta, C.W. Inertial range bispectra in turbulence 9—92571
Van Atta, C.W. *see* Antonia, R.A. 9—88434
Van Atta, F.A. Industrial hygiene training at Quinnipiac College 9—84879
Van Audekercke, R. *see* Soudan, K. 9—70565
Van Baak, D.A., Clark, B.O., Pipkin, F.M. The $3^2S_{1/2}$-$3^2D_{5/2}$ interval in atomic hydrogen. I. Two-photon line-shape theory 9—54825
Van Baak, D.A. *see* Clark, B.O. 9—54826
Van Baal, C.M., Fastenau, R., Penning, P. The probability of visiting a new site in a random walk on a BCC lattice 9—88891
Van Baal, C.M. *see* Fastenau, R.H.J. 9—65072
van Ballegooijen, E.C. Simultaneous mass and temperature determination using a single quarz wafer: an optimized crystal cut 9—49205
Van Beaumont, W. *see* Shvartz, E. 9—100576
Van Beelen, H. *see* Hartoog, A. 9—55955
van Beelen, H. *see* Slegtenhorst, R.P. 9—86950
Van Beelen, H. *see* Verbeek, H.J. 9—55956
Van Beelen, H. *see* Weijenbergh, P.G.P. 9—63228
van Beijeren, H. *see* Ernst, M.H. 9—50694
Van Berg, R. *see* Balamuth, D.P. 9—89529
Van Bibber, K., Hendrie, D.L., Scott, D.K., Weiman, H.H., Schroeder, L.S., Geaga, J.V., Cessin, S.A., Treuhaft, R., Grossiord, Y.J., Rasmussen, J.O., Wong, C.Y. Evidence for orbital dispersion in the fragmentation of ^{16}O at 90 and 120 MeV/nucleon 9—97723
Van Bladel, J. Field penetration through small apertures: the first-order correction 9—64156
van Bodegom, B. *see* van der Wal, R.J. 9—99169
van Breemen, O. *see* Longman, C.D. 9—92540
van Breemen, O. *see* Piasecki, M.A.J. 9—53328
van Buren, F.R., Broers, G.H.J., van den Belt, T.G.M. The behaviour of the ferri-ferrocyanide system in alkaline solution on rotating disk electrodes of $La_{1-x}Sr_xCoO_{3-y}$ with $0.1 \leq x \leq 0.5$ 9—79257
van Calster, A. Barrier-limited conductivity in thin semiconducting films 9—95527
Van Calster, A., Van Den Driessche, L. On the theory of thin-film MIS capacitances 9—87156
Van Camp, P.E., Van Doren, V.E., Devreese, J.T. Microscopic screening and phonon dispersion of silicon: moment expansion for the polarizability 9—55839

Van Camp, P.E., Van Doren, V.E., Devreese, J.T. A phonon dispersion calculation of silicon in the dielectric screening theory. A closure approximation 9—77700

Van Camp, P.E., Van Doren, V.E., Devreese, J.T. Local field correction to the static dielectric properties of covalent semiconductors 9—95355

Van Cauwenberghe, K. *see* Van Vaeck, L. 9—57553

Van Chan Chan *see* Chan Van Chan

Van Chang, Hwa, R.C. Inclusive distribution of photoproduced pions in QCD and the recombination model 9—85303

van Chi, G.Nguyen *see* Nguyen van Chi, G.

Van Craen, J. *see* Luypaert, R. 9—89630

Van Daal, H.J., Buschow, K.H.J., van Aken, P.B. On the thermoelectricity in uranium intermetallics 9—65444

Van Dael, H., Bert, H. Range of a projectile 9—62965

Van Daele, J. *see* Oosterlinck, A. 9—62418

Van Dalen, G. *see* Giboni, K.L. 9—89204

Van Dam, H. *see* Troost, W. 9—67211

Van Dam, P. *see* Pohl, M. 9—49507

van Dam, R.Th. *see* van Oosterom, A. 9—92319

Van Damme, W., Dosch, J.Cl., Ammerich, H., Mancs, P. Confirmation of plain film, angiographic and computer tomographic indications of an unusually large cisterna magna 9—66549

Van Danh Tran *see* Tran Van Danh

van Dantzig, R. *see* Blommestijn, G.J.F. 9—75994, 9—76003

Van Dantzig, R. *see* Hermans, W.C. 9—67720

van de Braak, H.P., Caspers, W.J., Gragert, P.K.H., Willemse, M.W.M. An upper bound for the ground-state energy of an antiferromagnetic chain with next-nearest-neighbor interaction 9—78293

van de Braak, H.P. *see* Gijsbertse, E.A. 9—61011

van de Braak, H.P. *see* van de Klundert, L.J.M. 9—60866

Van de Kamp, P. The distances of VV Cephei and epsilon Aurigae 9—53859

van de Klundert, L.J.M., van de Braak, H.P. Anomalous skin effect in cylinders 9—60866

van de Klundert, L.J.M. *see* Gijsbertse, E.A. 9—61011

Van De Merwe, R. *see* Vnuk, F. 9—52354

Van de Sanden, J. TEM examination of microcracking in plate martensite 9—91887

van de Schootbrugge, G.A. *see* van Veen, A. 9—80716

Van de Vaart, H. *see* Tanski, W.J. 9—64453

Van De Vate, J.F. *see* Plomp, A. 9—83684

van de Ven, T.G.M., Firth, B.A. On the theory of the dynamic viscometer 9—77315

Van de Voorde, H. *see* Ooms, H. 9—63587

Van De Voorde, M. *see* Bresseleers, C. 9—57161

Van de Vorst, A. *see* Piette, J. 9—100573

Van de Waal, B.W. Plot of packing program POP1 9—94839

van de Walle, J. *see* Sudraud, P. 9—61503

Van De Walle, R.T. *see* Mazzucato, M. 9—89148

Van de Walle, R.T. *see* Zralek, M. 9—89114

Van de Wiel, H.J. Applications of luminescence to the automatic measurement of sulphur dioxide and nitrogen oxides present in the atmosphere 9—88041

Van de Wiel, H.J., Reijnders, H.F.R., Seifert, R., Gies, H., Lanting, R.W., Rudolf, W. International comparative programme on ozone reference methods 9—88038

van de Wijgert, W.M. *see* de Kock, A.J.R. 9—69120

van Deen, J.K., van der Woude, F. Evidence for direct order-disorder transition in $Ni_{73}Fe_{27}$ 9—95163

Van Degrift, C.T., Bowers, W.J., Jr., Wildes, D.G., Pipes, P.B. A small gas thermometer for use at low temperatures 9—63223

van Dellen, A.F. Tissue section lifting for electron microscopy 9—74823

van den Belt, T.G.M. *see* van Buren, F.R. 9—79257

van den Berg, H.A.M., van Staden, J.B. Antireflection coatings on metal layers for photolithographic purposes 9—76837

van den Berg, H.A.M., Zieren, V., de Vries, G.W. A new approach to bubble propagation modelling 9—78488

Van den Berg, J.A., Armour, D.G., Verheij, L.K. A 2-100 keV, UHV ion impact spectrometer for ion-solid interaction studies 9—49338

Van Den Berg, J.A. *see* Armour, D.G. 9—87547

Van Den Berg, J.A. *see* Evdokimov, I.N. 9—73233

Van Den Berg, J.A. *see* Verheij, L.K. 9—82424

van den Berg, P.M., Fokkema, J.T. The Rayleigh hypothesis in the theory of reflection by a grating 9—50195

van den Berg, P.M., Fokkema, J.T. The Rayleigh hypothesis in the theory of diffraction by a cylindrical obstacle 9—89832

van den Berg, P.M. *see* van Splunter, J.M. 9—94132

Van Den Berg, S. Searching for optical supernova remnants 9—53882

van den Bergh, H. *see* Duperrex, R. 9—89722

van den Bergh, S. The supernova (?) of +393 9—58366

van den Bergh, S. Star clusters in IC 1613 and in the Small Magellanic Cloud 9—62900

van den Bergh, S. Possible evidence for a correlation between color and flattening of elliptical galaxies 9—71122

van den Bergh, S. The mass-to-light ratios of binary galaxies 9—84863

van den Bergh, S. W50 and SS 433 9—88723

van den Bergh, S., Humphreys, R.M. UBV photometry in the dwarf irregular galaxy NGC 6822 9—62903

Van Den Bergh, S., McClure, R.D. The luminosity function of E and S0 galaxies 9—97057

van den Bergh, S. *see* Dufour, R.J. 9—53907, 9—53913

van den Bergh, S. *see* Gallagher, J.S. 9—58407

Van Den Berghe, H. *see* Oosterlinck, A. 9—62418

van den Boomgaard, J. Eutectic-like and peritectic-like reactions in ternary systems at a constant pressure. II. Systems containing one liquid phase and three solid phases but no compounds of the components 9—99295

van den Bossche, M. *see* Anne, R. 9—54733

Van den Brand, J.A.G.M., Das, H.A.S., Dekker, B.G., de Ligny, C.L. The influence of experimental conditions on the efficiency of the labeling of 1-hydroxy-ethylidene-1,1-di sodium phosphonate with ^{99m}Tc, using Sn(II) as the reductant 9—88190

Van den Broeck, C. *see* Brenig, L. 9—75476

Van Den Broek, J.J., Donkersloot, H., Van Tendeloo, G., Van Landuyt, J. Phase transformations in pure and carbon-doped $Al_{45}Mn_{55}$ alloys 9—96022

Van Den Broek, P.M. On the type and the standardform of induced UA representations 9—54008

van den Broek, P.M. The PUA representations of the Shubnikov point groups 9—55690

Van den Cruyce, J.M., Vandenput, G., Jacobs, L., Van Assche, P.H.M., Baader, H.A., Breitig, D., Koch, H.R., Alksnis, J.K., Tambergs, J.J., Balodis, M.K., Prokofjev, P.T., Delang, W., Gottel, P., Seyfarth, H. Nuclear levels in the doubly odd ^{182}Ta nucleus 9—93491

van den Dool, H.M., Krijnen, H.J., Schuurmans, C.J.E. Average winter temperatures at De Bilt (the Netherlands): 1634-1977 9—74949

van den Dool, H.M. *see* Schuurmans, C.J.E. 9—70838

van den Dreissche, P. Two spheres rotating perpendicular to an interface 9—90313

Van den Dries, L., Van Haesendonck, C., Bruynseraede, Y. The behaviour of Al/Pb proximity sandwiches as a function of temperature and normal layer thickness 9—65616

Van den Dries, L., Van Haesendonck, C., Bruynseraede, Y., Gilabert, A. Thickness dependence of the maximum DC Josephson current in superconducting proximity junctions 9—82719

Van den Dries, L. *see* Gilabert, A. 9—78271

Van Den Driessche, L. *see* Van Calster, A. 9—87156

van den Dungen, J.P.M. *see* Blasse, G. 9—56845

van den Heuvel, E.P.J. *see* Hammerschlag-Hensberge, G. 9—80305

Van Den Heuvel, G.P.M. *see* Blasse, G. 9—51999

van den Heuvell, H.B.van Linden *see* van Linden van den Heuvell, H.B.

van den Hoek, W.J., Visser, J.A. Arc oscillations in a horizontal rare-earth metal iodide/cesium iodide/mercury arc induced by an external magnetic field [discharge lamps] 9—60205

Van Den Hoogenhof, W.W. *see* Buschow, K.H.J. 9—91216

van den Horn, L.J. *see* de Groot, S.R. 9—67126, 9—84875

Van Den Tempel, M. Rheology of concentrated suspensions 9—92006

Van D'ep Nguen *see* Nguen Van D'ep

Van Dep Nquyen *see* Nquyen Van Dep

van der Berg, G.J. *see* Uelhoff, W. 9—74081

Van der Bilt, A., van Duyneveldt, A.J. The lifetime of phonons in the Orbach relaxation process of CMN 9—65151

van der Bilt, A. *see* Filho, A.P. 9—73694

Van der Borg, K., de Meijer, R.J., van der Woude, A., Fortune, H.T. Direct evidence for 3p-4h excitations in ^{15}N 9—67659

Van Der Borg, K., Harakeh, M.N., Nilsson, B.S. Excitation of ground and gamma bands in the $^{24}Mg(\alpha,\alpha')^{24}Mg$ reaction at 120 MeV 9—89315

Van Der Borg, K. *see* Bingham, C.R. 9—75848

Van der Borght, R. Finite-amplitude convection in a compressible medium and its application to supergranulation 9—88637

van der Borst, J. *see* den Broeder, F.J.A. 9—91213

van der Burg, P. Out of R&D into QA 9—70398

Van Der Drift, W.P.J.T., De Keizer, A., Overbeek, J.T.G. Electrophoretic mobility of a cylinder with high surface charge density 9—96373

Van Der Drift, W.P.J.T., Overbeek, J.T.G. Electric transport properties of alkali polymethacrylates in alkali bromide solutions 9—96323

Van Der Eerden, J.P., Staikov, G., Kashchiev, D., Lorenz, W.J., Budevski, E. Mean field theory and Monte Carlo simulation of multisite adsorption 9—60630

Van Der Eerden, J.P. *see* Van Enckevort, W.J.P. 9—99088

Van Der Elsken, J. *see* Spiekerman, R.J.N. 9—54848

van der Greef, J., Nibbering, N.M.M. The detection of unimolecular gas-phase decompositions of negative ions with lifetimes of 10^{-11}-10^{-5} s 9—92046

Van Der Hage, J.C.H. *see* Plomp, A. 9—83684

van der Hart, A.W.A. *see* Uelhoff, W. 9—74081

Van der Heijden, R.W. *see* Ulrich, B.T. 9—63276

van der Hoek, M.J. *see* Steketee, J. 9—53050

Van Der Hucht, K.A., Stencel, R.E., Haisch, B.M., Kondo, Y. A comparison of emission lines in the ultraviolet spectra of α Boo (K2IIIp), α Tau (K5III), α Ori (M1-2Ia-b) and α Sco (M1.5Iab+B2.5V) 9—71028

Van Der Hucht, K.A. *see* Kondo, Y. 9—70954

van der Hulst, J.M. The structure and kinematics of the neutral hydrogen bridge between M81 and NGC 3077 9—67093

van der Hutcht, K.A. *see* De Jager, C. 9—70955

van der Kaa, T. *see* Thoms, K.R. 9—54513

van der Kolk, G.J., van Veen, A., Caspers, L.M. The interaction of He with C in αFe 9—99235

Van Der Kooy, D., Kuypers, H.G.J.M. Fluorescent retrograde double labeling: axonal branching in the ascending raphe and nigral projections 9—79504

Van Der Kraan, A.M. *see* Buschow, K.H.J. 9—91326

van der Krogt, C.A.J. *see* Knaap, M.H. 9—97792

van der Laan, H. *see* Katgert, P. 9—75278

van der Laan, H. *see* Vallee, J.P. 9—92855

Van Der Laan, J. *see* Zalm, P.C. 9—59324

Van Der Laarse, R., Bruinvis, I.A.D., Farid Nooman, M. Wall-scattering effects in electron beam collimation 9—53208

Van Der Leeuw, Ph.E. *see* Brion, C.E. 9—76468

van der Leeuw, Ph.E. *see* van Wingerden, B. 9—54980

van der Leij, M. Investigation and perspectives on iron oxide, zinc conversion coating, zinc oxide, cobalt oxide and tungsten oxide as spectral selective solar absorber surfaces 9—62027

van der Leij, M. *see* Simonis, F. 9—74013

van der Ligt, G.C.L. *see* Brongersma, H.H. 9—95890

Van Der Linde, J. *see* Ghosh, S.N. 9—59483

van der Linde, J. *see* Lees, R.M. 9—64024

Van Der Linden, W.H. *see* Van Enckevort, W.J.P. 9—77602

Van Der Lugt, W. *see* Huijben, M.J. 9—51046

van der Lugt, W. *see* van der Marel, C. 9—82573

Van Der Maas, J.H. *see* Lutz, E.T.G. 9—72438

van der Marel, C., van der Lugt, W. Electrical resistivity and phase separation in dilute liquid alloys of sodium in selenium 9—82573

van der Marel, L.C. *see* Gijsbertse, E.A. 9—61011

van der Mark, W. *see* Cole, L. 9—56114

van der Mark, W. *see* Joss, W. 9—65362

van der May, G.P., Kes, P.H., de Klerk, D. Breakdown of the magnetic surface barrier in niobium by oxygen diffusion 9—56601

van der Meer, B.W., Vertogen, G. Elastic constants as key for a molecular model of cholesterics 9—77510

Van Der Meer, B.W., Vertogen, G. An induced dipole model of the smectic C phase 9—90527

van der Meer, R., German, A.L. Effect of pressure on free radical copolymerization kinetics. II. Novel methods of measuring monomer reactivity ratios under high-pressure conditions 9—91950

van der Meer, S. *see* Bell, M. 9—93413

Van der Merwe, F.S. *see* Botha, A.H. 9—68052

van der Merwe, J.P. Fourier-Bessel series solution for potential and intensity field of open electron optical systems with rotational symmetry, in terms of I_0 Bessel functions 9—76570

van der Merwe, J.P. The inverse interior Dirichlet problem 9—98270

van der Merwe, P. du T. Phase-locked solutions 9—58552

Van Der Merwe, P. du T. Two-point function of nonlinear spinor theory 9—63366

Van der Merwe, S.W.J. *see* Brown, R.D.H. 9—66290

van der Plicht, J., Harakeh, M.N., van der Woude, A., David, P., Debrus, J. Inhibition of the fission decay channel of the isoscalar giant quadrupole resonance in the actinide region 9—54419

van der Putte, P., Giling, L.J., Bloem, J. Surface morphology of HCl etched silicon wafers. III. The origin of etch pits 9—96166

Van Der Putten, N., Schenk, H. Application of quartet and quintet invariants in phase determination 9—51034

van der Saag, P.T. *see* Moolenaar, W.H. 9—74612

van der Schueren, A. *see* Baribaud, G. 9—72209

Van Der Sloot, H.A. *see* Wijkstra, J. 9—74584

van der Sluijs, J.C.A., Rawlings, K.C., Bishop, J. Comment on 'Absence of anomalous Kapitza conductance on freshly cleaved surfaces' 9—73390

Van der Sluijs, J.C.A. *see* Rawlings, K.C. 9—56066

van der Spuy, E. Tachyons and virtual fields for elementary particles in strong interaction. I. Tachyons—why? 9—58889

van der Toorn, J.D. Measurements of sound emission by single vehicles 9—76910

van der Valk, F. *see* de Jong, A. 9—98215

Van der Veeken, J.P.M., Kes, P.H., de Klerk, D. Anisotropic thermal conductivity in a dirty type II superconductor 9—56385

Van Der Veen, J.F., Tromp, R.M., Smeenk, R.G., Saris, F.W. Ion-beam crystallography of clean and sulfur covered Ni(110) 9—61483

Van der Veer, P. Calculation methods for two-dimensional groundwater flow 9—100875

van der Vloedt, A.M.V., Taher, M., Tenabe, S.O. Effect of gamma radiation on the tsetse fly, Glossina palpalis palpalis (Rob.-Desv.) (Diptera, Clossinidae) with observations on the reproductive biology 9—62303

Van der Voo, R. *see* Jones, M. 9—84100

Van der Voo, R. *see* Watts, D.R. 9—57854

Van Der Voort, J.A.P. *see* Schepman, A.M.H. 9—54235

Van Der Waals, J.H. *see* Kooter, J.A. 9—68200, 9—72340

van der Wal, A.J., de Wijn, H.W. Field-induced two-magnon nuclear spin-lattice relaxation in ordered quadratic-layer antiferromagnets 9—61258

van der Wal, H.R., de Boer, J.L., Vos, A. The influence of profile analysis on structural parameters and deformation density distributions 9—73064

van der Wal, P.B., Slingerland, J. High resolution Fabry-Perot spectrometer for infrared astronomy 9—53722

van der Wal, R.J., van Bodegom, B. The crystal structure of the 2:3 complex of rubidium and 7,7,8,8-tetracyanoquinodimethane, Rb_2TCNQ_3, at 113K 9—99169

van der Weg, W.F. Ion beam induced light emission: Mechanisms and analytical applications 9—95850

van der Wegen, G.J.L., Bronsveld, P.M., de Hosson, J.Th.M. Characterization of superlattice dislocations in Cu_2NiZn by transmission electron microscopy 9—55748

Van Der Weide, H., Pronk, R.A.F. Interference suppression for EEG recording during open heart surgery 9—100784

van der Werve, H. *see* Rottger, H. 9—63749

Van Der Wiel, M.J. *see* Brion, C.E. 9—76468

Van der Wiel, M.J. *see* Hitchcock, A.P. 9—72367

Van der Wiel, M.J. *see* Klewer, M. 9—89781

van der Wiel, M.J. *see* van Wingerden, B. 9—54980

van der Wildt, G.J., Rijsdijk, J.P. Flicker sensitivity measured with intermittent stimuli. I. Influence of the stimulus duration on the flicker threshold 9—79552

van der Wildt, G.J., Rijsdijk, J.P. Flicker sensitivity measured with intermittent stimuli. II. Comparison between temporal gradient detection and the 'De Lange' curves 9—79553

van der Wildt, G.J. *see* Keemink, C.J. 9—92327

van der Woude, A. *see* Kamermans, R. 9—49637

van der Woude, A. *see* Van der Borg, K. 9—67659

van der Woude, A. *see* van der Plicht, J. 9—54419

Van Der Woude, F. *see* Ingalls, R. 9—87354

van der Woude, F. *see* van Deen, J.K. 9—95163

van der Ziel, A. Flicker noise in highly doped semiconductors 9—60882

van der Ziel, A. The effect of zero point energy noise in maser amplifiers 9—72546

van der Ziel, A., Jindal, R., Kim, S.K., Park, H., Nougier, J.P. Generation-recombination noise at 77K in silicon bars and JFETs 9—60883

van der Ziel, J. *see* Bean, J.C. 9—69372

van der Ziel, J.P. Time-dependent voltage measurement of pulsating $Al_xGa_{1-x}As$ double-heterostructure lasers 9—98354

Van Der Ziel, J.P., Hartman, R.L. Deep-level luminescence in $Al_xGa_{1-x}As$ double-heterostructure lasers 9—65913

van der Ziel, J.P., Merz, J.L., Paoli, T.L. Study of intensity pulsations in proton-bombarded stripe-geometry double-heterostructure $Al_xGa_{1-x}As$ lasers 9—94235

van der Ziel, J.P. *see* Bean, J.C. 9—56082

van der Ziel, J.P. *see* Merz, J.L. 9—99917

van der Ziel, J.P. *see* Tsang, W.T. 9—72581

van Deursen, J.B.P. *see* Keemink, C.J. 9—92327

Van Deventer, E.H., Maroni, V.A. Hydrogen permeation characteristics of 316-SS, 321-SS and Inconel-625 9—69295

Van Dhelsen, D. *see* De Vos, A. 9—95529

van Diepen, A.M. *see* Buschow, K.H.J. 9—87343

Van Dijen, G.J. *see* Van Rooijen, J.J. 9—58252

Van Dijk, C. *see* Verbeek, B.H. 9—61170

Van Dijk, G. *see* Wormer, P.E.S. 9—89737

van Dijk, G.Van *see* Van van Dijk, G.

van Dijk, J.H.M. A theory on the control of arbitrary movements 9—74641

van Dijk, J.M.F. *see* Kemper, M.J.H. 9—63919

van Dijk, J.M.F. *see* Kemper, M.J.N. 9—61880

Van Dijk, T. *see* Blasse, G. 9—51999

van Dijk, W. *see* Preston, M.A. 9—63510

van Dijk-Milatz, A. Total-body irradiation in advanced lymphosarcoma 9—74741

van Doesburg, W. *see* Bos, K. 9—85531

van Doesburg, W. *see* Konijn, J. 9—86085, 9—98251

van Dongen, J.C.M. *see* Beers, C.J. 9—60799

Van Dongen, M.E.H. *see* Van Steenhoven, A.A. 9—53170

Van Dooren, R., Berryman, J.G. Comments on 'Stability of solitary waves in shallow water' [and reply] 9—90270

Van Dooren, W. *see* Coenen, Y. 9—66552

van Doorn, A.J. *see* Koenderink, J.J. 9—74671, 9—100594

van Doorn, C.Z., de Klerk, J.J.M.J. Two-frequency 100-line addressing of a reflective twisted-nematic liquid-crystal matrix display 9—54119

Van Doorn, C.Z. *see* De Zwart, M. 9—90531

van Dop, H., Steenkist, R., Nieuwstadt, F.T.M. Revised estimates for continuous shoreline fumigation 9—100914

Van Doren, V.E. *see* Van Camp, P.E. 9—55839, 9—77700, 9—95355

Van Dormael, A. *see* Coosemans, L. 9—85997

Van Dort, M.A. *see* Hodge, L.A. 9—79474

van Driel, H.M. Influence of hot phonons on energy relaxation of high-density carriers in germanium 9—82608

Van Driel, H.M. *see* Grover, C.P. 9—97419

van Driel, H.M. *see* Thomas, P.J. 9—76760

van Driel, J., Tolhoek, H.A. A non-relativistic wave equation of second order in time. II. Electromagnetic interaction 9—80774

van Driel, J. *see* Kamermans, R. 9—49637

Van Drunen, G., Saimoto, S. Recovery of Ni and Ni-Co single crystals after varying amounts of cold work 9—100162

van Duinen, R.J. *see* Koppenaal, K. 9—67072

van Duinen, R.J. *see* Pottasch, S.R. 9—62887, 9—88656

Van Dusen, E.S., Kirchhoff, R.H. A two dimensional vortex sheet model of a Savonius rotor 9—83552

van Duyl, W.A., de Kruijk, A. Instability of photomultiplier tubes and consequences for accuracy of radioactivity measurements 9—76272

van Duyl, W.A. *see* Griffiths, D.J. 9—92252

Van Duyn, C.J. On the diffusion of immiscible fluids in porous media 9—90329

Van Duyne, R.P. *see* Allen, C.S. 9—69822

van Duyneveldt, A.J., van Santen, J.A., Groenendijk, H.A., Carlin, R.L. Tunnelling resonance effects in non-resonant spin-lattice relaxation experiments 9—86726

van Duyneveldt, A.J. *see* Van der Bilt, A. 9—65151

Van Dyck, D. Improved methods for the high speed calculation of electron microscopic structure images 9—55622

van Dyck, D. Direct structure imaging in electron microscopy 9—68990

Van Dyck, D., Colaitis, D., Delavignette, P., Amelinckx, S. On the diffraction features of two-layer systems. Application to $Ni_{3\pm x}Te_2$ 9—82187

van Dyck, D. *see* Colaitis, D. 9—51056, 9—86761

van Dyck, O. *see* Hoffman, E.W. 9—72154

van Dyck, O.B. An 800-MeV spin precessor for polarized H^- beams using H^- to H^0 stripping 9—68096

van Dyck, O.B., Hoffman, E.W., Macek, R.J., Sanders, G., Werbeck, R.D., Black, J.K. 'Cloud' and 'surface' muon beam characteristics 9—71994

van Dyck, O.B. *see* Macek, R.J. 9—72014

van Eck, J. *see* Langenberg, A. 9—49980

van Eck, J. *see* Westerveld, W.B. 9—86071, 9—89641

van Egmond, N.D. Programmes for the analysis of air pollution measurements 9—88042

van Egmond, N.D., Tissing, O., Onderdelinden, D., Bartels, C. Quantitative evaluation of mesoscale air pollution transport 9—70825

Van Enckevort, W.J.P., Van Der Eerden, J.P. Monte Carlo simulation of a (111) diamond face around the roughening transition 9—99088

Van Enckevort, W.J.P., Van Der Linden, W.H. On the relation between etch pits or growth hillocks and dislocations on the (111) faces of potassium aluminium alum 9—77602

van Engelen, P., Sie, S.G. Electron-nuclear double resonance of cubic $^{55}Mn^{2+}$ in GaP 9—69749

Van Essen, D.C. Visual areas of the mammalian cerebral cortex 9—96560

Van Essen, R.M., Buschow, K.H.J. Hydrogen absorption in various zirconium- and hafnium-based intermetallic compounds 9—77754

Van Flandern, T.C. *see* Harrington, R.S. 9—84743

Van Gelder, A.P. On magnetic surface states induced linear magnetoresistance 9—60798

Van Gelder, A.P., Jansen, A.G.M., Strassler, S., Wyder, P. Structure of current voltage characteristics of metal point contacts 9—56441

van Genderen, A.M., Uiterwaal, G.M. VBLUW photometry of the novae Aql 1975 (V1301 Aql), Sct 1975 (V373 Sct), LMC 1977B and Ser 1978 9—58342

van Genuchten, M.T. *see* Babu, D.K. 9—71387

van Gerven, L. *see* Wegener, W. 9—51022

Van Giai Nguyen *see* Nguyen Van Giai

Van Ginneken, A. *see* Cox, B. 9—68084

van Gorkom, J.H., Shaver, P.A., Goss, W.M. Studies of ionized carbon regions in dark clouds 9—75260

van Groenou, A.Broese *see* Broese van Groenou, A.

Van Grunderbeeck, P., Le Berre, P., Weill, A., Dubosclard, G., Itier, B. Convective movements of the atmospheric boundary layer, observed by means of Doppler acoustic sounders and by instruments carried by a tethered balloon 9—66763

Van Grunderbeeck, P. *see* Weill, A. 9—66762

van Haeringen, H. On an inhomogeneous Schrodinger equation and its solutions in scattering theory 9—63073

van Haeringen, H. The Coulomb and Coulomb-like off-shell Jost functions 9—75388

Van Haeringen, W., Staas, F.A., Geurst, J.A. On ^3He-^4He dilution refrigerators 9—97394

Van Haesendonck, C. *see* Gilabert, A. 9—78271

Van Haesendonck, C. *see* Van den Dries, L. 9—65616, 9—82719

van Halen, P. *see* van Overstraaten, R. 9—96453

van Hamme, W. On synchronism between axial rotation and orbital motion in close binary systems 9—97034

Van Harlingen, D.J., Garland, J.C. The use of toroidal geometries in investigations of thermoelectricity in superconductors 9—65595

Van Hasselt, P.C.A.H.M. On the first component of the blink reflex in the rabbit and in man 9—74649

van Hassett, E.D. *see* Plomp, A. 9—83684

Van Haverbeke, L., Brown, C.W. Detection of hazardous chemicals in water: resonance Raman spectroscopy in a flow-through system 9—74581

Van Hecke, P., Janssens, G. Nuclear magnetic resonance spectroscopy of low-temperature tunnelling in molecular solids 9—65755

Van Heertum, R.L. *see* Kowalsky, W.P. 9—49358

van Hemmen, J.J., Meuling, W.J.A., Bleichrodt, J.F. Effect of oxygen on inactivation of biologically active DNA by γ rays in vitro: influence of metalloporphyrins and enzymatic DNA repair 9—92303

Van Heugten, W.F.W.M., Caspers, L.M., De Hosson, J.T.M. Atomic configuration of a $^1/_2\langle 111\rangle$ screw dislocation in pure Mo and in Mo containing He interstitials 9—65081

van Heugten, W.F.W.M., van Veen, A., Caspers, L.M. Born-Mayer type molybdenum-helium and helium-helium interaction potentials, fitted to the results of the helium desorption experiments 9—99409

Van Heuklon, T.K. Estimating atmospheric ozone for solar radiation models 9—70875

van Heusden, E., Plomp, R., Pols, L.C.W. Effect of ambient noise on the vocal output and the preferred listening level of conversational speech 9—68500

van Heusden, G.C.L., Ahgren, R., Hinderer, G., Schulte, W.M. A multi-input phase measuring system 9—54689

van Hienen, J.F.A. *see* Alons, P.W.F. 9—54376

Van Hieu Nguyen *see* Nguyen Van Hieu

Van Himbergen, A. *see* Uylings, J.H.M. 9—92317

van Himbergen, J.E., Silbey, R. Applications of the Hellmann-Feynman theorem in surface physics 9—95262

van Hissenhoven, R. *see* Pennington, W.D. 9—62448

van Hoften, J.D.A. *see* Cox, J.T. 9—92279

Van Holden, J.W. *see* Berends, F.A. 9—63363

Van Holten, J.W. *see* Berends, F.A. 9—75687

Van Holten, J.W. *see* De Wit, B. 9—80488

Van Holten, R.W. *see* Mendelsohn, R. 9—92124

Van Holtz, R. *see* Martin, B.R. 9—80193

Van Hoosier, M.E. *see* Basri, G.S. 9—75169

Van Horn, H.M. *see* Richardson, M.B. 9—58317

Van Houtte, P. Influence of the critical shear stress ratio of {112} and {110} slip planes on the rolling texture of BCC metals 9—91673

Van Houtte, P. *see* Gil Sevillano, J. 9—91772

Van Houtte, P. *see* Henry, J. 9—66553

Van Hove, L. Hadrons and quarks in high energy collisions 9—49482

Van Hove, M.A., Tong, S.Y. Surface crystallography by LEED 9—86971

Van Hove, M.A. *see* Chan, C.-M. 9—56050, 9—77880

van Hove, M.A. *see* Christmann, K. 9—65311

Van Hoven, G. The energetics of resistive magnetic tearing 9—96904

Van Hoye, E., Adams, F., Gijbels, R. Influence of sparking conditions and of electrode temperature on the relative elemental sensitivity in spark-source mass spectrometry 9—57314

Van Hoye, E., Adams, F., Gijbels, R. Comparison of experimental and calculated relative sensitivity coefficients for spark-source mass-spectrometry of metals 9—92045

Van Hulle, M.E., Maenhout-Van Der Vorst, W. Influence of Pb^{2+} ions on the ionic conductivity and the space charge characteristics of cubic silver halide microcrystals 9—55928

van Hulst, K., Aarts, C.J.M., de Vroomen, A.R., Wyder, P. The Nijmegen laboratory for high magnetic fields 9—71496

van Hulsteyn, D.B., Lee, P., Mitchell, K.B. Two-dimensional monochromatic X-ray imaging of laser-produced plasmas 9—60193

Van Hulsteyn, D.B. *see* Fenimore, E.E. 9—60189

van Immerzeel, T. *see* van Weers, J.C.M. 9—70623

van Isacker, P. *see* Lien, J.R. 9—85353

Van Isacker, P. *see* Waroquier, M. 9—54395, 9—63601

van Kaick, G. *see* Jaschke, W.R. 9—79646

van Kampen, N.G. Escape and splitting probabilities in diffusive and non-diffusive Markov processes 9—75459

van Kampen, N.G. Composite stochastic processes 9—80514

van Kampen, W.A., Liedorp, J. High quality beams with precession injection 9—54617

Van Karick, G. *see* Gerhardt, P. 9—83921

Van Kemenade, J.T.C., Eijnthoven, R.K. Direct determination of barrier voltage in ZnO varistors 9—56306

Van Kempen, H., Ribot, J.H.J.M., Wyder, P. The electrical resistivity of ultra pure aluminium at low temperature 9—60794

van Kempen, H. *see* Beers, C.J. 9—60799

van Kempen, H. *see* Birker, P.J.M.W.L. 9—65540

van Kempen, H. *see* De Lang, H.N. 9—95388

van Kempen, H. *see* Ribot, J.H.J.M. 9—69488

Van Kempen, H. *see* Salemink, H.W.M. 9—51416

Van Kessel, A.T., Myron, H.W., Mueller, F.M. High precision band calculation of Nb_3Sn in the A-15 cubic phase 9—56120

Van Kessel, A.T. *see* Arko, A.J. 9—65369

Van Khiem Truong *see* Truong Van Khiem

Van Kirk, J.A. *see* Rowell, R.M. 9—48980

van Kleef, T.A.M., Joshi, Y.N. Analysis of $4d^9$-$4d^85p$ transitions in Sb VII and Te VIII and the ionization limits of Sb VI and Te VII 9—54794

van Kleef, Th.A.M., Joshi, Y.N. $4d^95s$—$4d^95p$ transitions in Sb VI and Te VII 9—93942

van Kleef, Th.A.M. *see* Raassen, A.J.J. 9—72266

Van Klinken, J. *see* Janssens, R.V.F. 9—76264

van Klinken, J. *see* Schussler, F. 9—59039

van Koppen, C.W.J. The national solar energy R, D and D programme of the Netherlands 9—57372

van Koppen, C.W.J., Fischer, L.S., Dijkmans, A. Stratification effects in the short and long term storage of solar heat 9—57488

Van Kranendonk, J. *see* Luryi, S. 9—82562

Van Laar, B., Maniawski, F., Kaprzyk, S. Determination of secondary-extinction-free values for the flipping ratio in polarized neutron diffraction 9—50949

Van Landuyt, G. *see* Kimball, C.W. 9—56650

Van Landuyt, J. *see* Amelinckx, S. 9—68982

Van Landuyt, J. *see* Manolikas, C. 9—82332

Van Landuyt, J. *see* Van Den Broek, J.J. 9—96022

Van Landuyt, J. *see* Van Tendeloo, G. 9—86818

Van Landuyt, J. *see* Watari, F. 9—86802

Van Landuyt, J. *see* Amelinckx, S. *(editor)* 9—67439, 9—67441

van Leer, B. Towards the ultimate conservative difference scheme. V. A second-order sequel to Godunov's method 9—72907

Van Leeuwen, F. *see* Vasilevskis, S. 9—88711

van Leeuwen, H.P. *see* Wanhill, R.J.H. 9—70219

van Leeuwen, J.M.J. *see* Hilhorst, H.J. 9—73749

Van Leeuwen, J.M.J. *see* Van Saarloos, W. 9—85092

van Leeuwen, K.A.H. *see* Zaal, G.J. 9—54790

van Leeuwen, W.A. *see* de Groot, S.R. 9—53950, 9—84874

Van Lien Nguyen *see* Nguyen Van Lien

van Linden van den Heuvell, H.B. *see* Klapwijk, T.M. 9—56451

Van Lumig, A., Reuss, J., Ding, A., Weise, J., Rindtisch, A. Double differential fragmentation cross section measurements of H_{2n+1}+ions, $n \leq 7$ 9—89821

van Mastrigt, R. *see* Griffiths, D.J. 9—92252

Van Megen, W. *see* Gaylor, K. 9—74427

van Megen, W. *see* Snook, I. 9—65310

Van Meijel, J. *see* Braim, S.P. 9—51856

van Meijel, J. *see* Stesmans, A. 9—87318

van Meijel, J. *see* Witters, J. 9—99769

Van Middelkoop, G. *see* Zalm, P.C. 9—59324

van Mierlo, G.W.M. *see* ter Meulen, J.J. 9—72333

Van Mierlo, J. Statistical analysis of geodetic measurements for the investigation of crustal movements 9—79726

Van Nam, N. *see* Schumann, B. 9—65564

Van Neerven, W.L., Van Royen, R.P. Infra-red behaviour of ϕ^4 theory in three dimensions and connection with critical phenomena 9—71601

van Neerven, W.L. *see* Abad, J. 9—63446

Van Neerven, W.L. *see* Holwerda, M.J. 9—80746, 9—80747

van Neerven, W.L. *see* Humpert, B. 9—71705, 9—85269

Van Ness, H.C., Pedersen, F., Rasmussen, P. Vapor-liquid equilibrium. V. Data reduction by maximum likelihood 9—51244

Van Nieuwenhuizen, P. An introduction to supergravity 9—49149

Van Nieuwenhuizen, P. *see* Berends, F.A. 9—63363

van Nieuwenhuizen, P. *see* Townsend, P.K. 9—67209, 9—85046

van Nooijen, B. *see* de Lima, A.P. 9—54377

van Norren, D. *see* Valeton, J.M. 9—88078, 9—100614

Van Nostrand, F. *see* Pearlstein, R.M. 9—57586

van Oers, W.T.H. *see* Abegg, R. 9—80934

van Oers, W.T.H. *see* Anderson, A.N. 9—71834

van Oers, W.T.H. *see* Bhakar, B.S. 9—80887, 9—85448

van Oers, W.T.H. *see* Brown, R.E. 9—75998

Van Ooijen, J.A.C., Reedijk, J. Linear-chain ferromagnetism in the one-dimensional compounds $CoCl_2$(pyrazole)$_2$ and $CoCl_2$(indazole)$_2$ 9—56519

van Oosterom, A., de Boer, R.W., van Dam, R.Th. Intramural resistivity of cardiac tissue 9—92319

van Opdorp, C., Veenvliet, H. On the relation between threshold current and interface recombination velocities in double-heterojunction lasers 9—98369

van Opdorp, C. *see* Veenvliet, H. 9—98391

van Opdorp, C. *see* Werkhoven, C. 9—87511, 9—99949

Van Orden, J.M., Krupp, W.E., Walden, E., Ryder, J.T. Effects of purity on fatigue and fracture of 7XXX-T76511 aluminium extrusion 9—100248

van Ormondt, D., Andriessen, J., Dam, J., Van Ast, M.A., den Hartog, H.W., Bijvank, E.J. Electric field gradient at nuclei on orthorhombic sites in CaF_2 and $SrCl_2$: comparison with electronic zero-field splitting 9—87070

van Ormondt, D. *see* de Beer, R. 9—70524

Van Os, C.H. *see* Ghijsen, W.E.J.M. 9—74613

van Os, J.W.M., Veeman, W.S. Programmable digital pulse generator for proton enhanced ^{13}C high resolution NMR in solids 9—58762

van Otterloo, R.W. *see* Eendebak, B.T. 9—81016

Van Ouwerkerk, M. *see* Davis, E.J. 9—86526

van Overstraaten, R., Mertens, R., van Halen, P. Recent development in MIS and induced junction silicon solar cells 9—96453

Van Oystaeyan, B. *see* Argan, P. 9—85454

Van Oystaeyen, B. *see* Argan, P. 9—85453, 9—89291

Van Paradijs, J., Joss, P.C., Cominsky, L., Lewin, W.H.G. Persistent emission from X-ray burst sources and the nature of galactic bulge X-ray sources 9—84871

van Paradijs, J. *see* Cooke, B. 9—97104

van Paradijs, J. *see* Hutchings, J.B. 9—53934

van Paradijs, J. *see* McClintock, J.E. 9—58442

van Paradijs, J. *see* Schlosser, W. 9—67116

Van Patten, R.A. *see* Breakwell, J.V. 9—62426

Van Pelt, P. *see* Havinga, E.E. 9—73901

Van Peteghem, A.P. *see* Demedts, G. 9—70212, 9—70213

van Popta, J. *see* Siwek-Wilczynska, K. 9—71862

Van Proeyen, A. Determining the number of neutrinos from Higgs-boson production in e^+e^- annihilation 9—97612

Van Proeyen, A. *see* Barshay, S. 9—63554

Van Que Nguyen *see* Nguyen Van Que

van Raaphorst, J.G., Ordelman, J.E., Brockman, A. The evaluation of measurement data in thermal ionisation mass spectrometry 9—89037

van Regemorter, H. *see* Hoang Binh, D. 9—63959

van Rensbergen, W. *see* Deridder, G. 9—101154

van Rensbergen, W. *see* Hensberge, H. 9—67013

van Resandt, R.W.Wijaendts *see* Wijaendts van Resandt, R.W.

Van Resandt, R.W.Wijnaendts *see* Wijnaendts Van Resandt, R.W.

van Riel, N.H. *see* Valk-Fai, T. 9—74642

Van Rijckevorsel, J. *see* Chauffoureaux, J.C. 9—64618

Van Riper, K.A. General relativistic hydrodynamics and the adiabatic collapse of stellar cores 9—96903

van Rooij, H. On the inaccuracy of a massflow meter for supercritical ethylene 9—68842

Van Rooijen, J.J., Van Dijen, G.J., Lafleur, H.T., Lowes, P. A low energy proton spectrometer for directional distribution measurements in space 9—58252

van Rooyen, D., Bulischeck, T.S. Stress corrosion cracking of Inconel-600 tubing in primary water 9—93728

Van Rossum, L. *see* Fujisaki, M. 9—49542, 9—58974, 9—63521

Van Rossum, M., De Bruyn, J., Dezsi, I., Langouche, G., Coussement, R. On the quadrupole interaction of Xe implanted in diamond 9—61279

Van Rossum, M., De Bruyn, J., Langouche, G., de Potter, M., Coussement, R. Observation of the amorphization process in diamond by Mossbauer spectroscopy 9—99809

Van Rossum, M. *see* Bruyn, J.De. 9—99810

Van Rossum, M. *see* Langouche, G. 9—82899

Van Royen, R.P. *see* Holwerda, M.J. 9—80746, 9—80747

Van Royen, R.P. *see* Van Neerven, W.L. 9—71601

van Ruyven, L.J., Ammerlaan, C.A.J. Electron trapping in neutron transmutation doped silicon 9—73179

Van Ruyven, L.J. *see* Bluyssen, H.J.A. 9—87151

Van Ryswyk, A.L. *see* Williams, R.J. 9—88109

Van Saarloos, W., Van Leeuwen, J.M.J., Stella, A.L. Differential real space renormalization: the linear Ising chain 9—85092

van Santen, J.A. *see* van Duyneveldt, A.J. 9—86726

van Santen, R.A. On the use of the iterative extended Huckel method and model Hamiltonians in chemisorption theory 9—87875

Van Santen, R.A. *see* Biloen, P. 9—69328

Van Santen, R.A. *see* Sachtler, W.M.H. 9—90849

van Schaik, F.J. *see* Rekveldt, M.Th. 9—82812

Van Schyndel, A. *see* Doezema, R.E. 9—73906

Van Sciver, S.W., Christianson, O. Heat transport in a long tube of He II 9—60576

Van Sciver, S.W., Hilal, M.A., McIntosh, G.E., Stone, E.L. Refrigeration requirements for future superconductive energy related applications 9—58711

Van Sciver, S.W. *see* Hilal, M.A. 9—50897

Van Scott, E.J. *see* Wallner, P.E. 9—88157

Van Silfhout, A. *see* Wierenga, P.E. 9—99600

Van So Le *see* Le Van So

van Speybroeck, L. *see* Giacconi, R. 9—70941

van Splunter, J.M., van den Berg, P.M. Spectral theory of diffraction of electromagnetic waves by a strip in the plane interface of two semi-infinite media 9—94132

Van Sprang, H.A., Brongersma, H.H., De Heer, F.J. An analysis of some optically allowed and optically forbidden excitation processes leading to dissociation 9—59587

Van Sprang, H.A., Brongersma, H.H., De Heer, F.J. Absolute emission cross sections for the calibration of optical detection systems in the 120-250 nm range 9—85996

Van Staa, R. *see* Berger, C. 9—49519

van Staden, J.B. *see* van den Berg, H.A.M. 9—76837

Van Staden, J.C. *see* Wastyn, P. 9—59084

van Staden, J.F. *see* Basson, W.D. 9—70405

Van Steen, F., Schoemaker, D. ESR study of the structure and production of $Sn^-(5p^3,{}^4S)$ defects in alkali halides 9—61215

Van Steen, P.J.F. *see* Kielman, H.S. 9—99063

van Steenbergen, A. Synchrotron radiation sources 9—68018

van Steenbergen, A. *see* Blumberg, L. 9—68031

van Steenbergen, A. *see* Galayda, J. 9—67973

van Steenbergen, A. *see* Krinsky, S. 9—68023

Van Steene, G., Jardinier-Offergeld, M., Bouillon, F. AES study of surface segregation of Mn and oxide films formed on Cu-Mn alloys 9—66065

Van Steenhoven, A.A., Van Dongen, M.E.H. Model studies of the closing behaviour of the aortic valve 9—53170

van Steenwijk, F.J. Mossbauer effect study of some binuclear ferricyanides 9—78576

Van Straten, A.J. *see* Bode, J.H.G. 9—72296

Van Straten, A.J. *see* Smit, W.M.A. 9—72297

Van Stryland, E.W. *see* Narasimhan, S.L. 9—78953

Van Stryland, E.W. *see* Simhony, M. 9—54187

Van Stuyvenberg, J.A. The on board computer for the IRAS satellite 9—80191

Van Swam, L.F.P., Shewbridge, J.F. Relationship between contractile strain ratio R and texture in zirconium alloy tubing 9—61607

van 't Hof, C.A., Schmidt, J. The effect of spectral diffusion on the phase coherence of phosphorescent triplet spins 9—87334

van 'T Klooster, H.A. *see* Heite, F.H. 9—50012

van 't Klooster, P., Trappeniers, N.J., Biswas, S.N. Effect of pressure on the elastic constants of noble metals from −196 to +25°C and up to 2500 bar. I. Copper 9—87680

Van Tendeloo, G., Van Landuyt, J., Amelinckx, S. Radiation ordering in quenched alloys observed 'in situ' in the high voltage microscope 9—86818

Van Tendeloo, G. *see* Van Den Broek, J.J. 9—96022

Van Thinh, N. Hot wire anemometry with small wire aspects ratio and at low velocities 9—60077

Van Trong Nguyen *see* Nguyen Van Trong

Van Tuan, N. *see* Gros, M. 9—64869

Van Uijen, C.M.J., de Wijn, H.W., Frikkee, E. Neutron scattering from the Heisenberg double-layer antiferromagnet $K_3Mn_2F_7$ 9—61065

van Uijen, C.M.J., Frikkee, E., de Wijn, H.W. Neutron scattering study of magnetic ordering in the double-layer antiferromagnet $K_3Mn_2F_7$ 9—61062

Van Uitert, L.G., Camlibel, I., DeLaRue, R.M., Kyle, T.R., Pawelek, R., Singh, S., Stocker, H.J., Zydzik, G.J. RED display structures having dynamic hysteresis characteristics 9—49219

Van Uitert, L.G. *see* Dillon, J.F., Jr. 9—61347, 9—73796

Van Uitert, L.G. *see* Yi Chen, E. 9—73902

van Ulden, A.P. Simple estimates for vertical diffusion from sources near the ground 9—62548
van Ulden, A.P. *see* Nieuwstadt, F.T.M. 9—62547
Van Vaeck, L., Van Cauwenberghe, K. Cascade impactor measurements of the size distribution of the major classes of organic pollutants in atmospheric particulate matter 9—57553
Van van Dijk, G. *see* Mulder, F. 9—89599
Van Vechten, J.A. *see* Himpsel, F.J. 9—100023
van Veen, A., Caspers, L.M. The interaction of nitrogen with vacancies in molybdenum 9—82261
van Veen, A., de Wit, A.G.J., van de Schootbrugge, G.A., Fluit, J.M. Performance of a twin parallel-plate energy analyser for scattered and sputtered particles 9—80716
Van Veen, A. *see* Caspers, L.M. 9—60399
Van Veen, A. *see* Fastenau, R.H.J. 9—65072
van Veen, A. *see* van der Kolk, G.J. 9—99235
Van Veen, A. *see* van Heugten, W.F.W.M. 9—99409
van Veen, A.J. *see* Valk-Fai, T. 9—74642
van Veen, G. Investigation of magnetic interactions in sulfides by means of magnetic resonance 9—99753
Van Veen, N.J.A., De Vries, M.S., De Vries, A.E. Accurate determination of the dissociation energies of alkali halides 9—76527
Van Vleck, J.H. Quantum mechanics—the key to understanding magnetism 9—51733
Van Vliet, K.M. On Fletcher's boundary conditions [p-n junction theory] 9—73571
van Vlimmeren, Q.A.G., de Jonge, W.J.M. Spin-cluster resonance in the pseudo-one-dimensional canted Ising antiferromagnet $RbFeCl_3.2H_2O$ 9—61233
van Vlimmeren, Q.A.G., Swuste, C.H.W., de Jonge, W.J.M. Excitations in the Ising compound $RbFeCl_3.2H_2O$ 9—61235
van Voorthuysen, E.H.du Marchie *see* du Marchie van Voorthuysen, E.H.
van Wagoner, D.L. *see* Pitt, C.H. 9—100164
Van Wauwe, J. *see* Goldstein, G. 9—84058
van Weers, J.C.M., van Immerzeel, T. Internal image (of heart) display 9—70623
van Weert, C.G. *see* de Groot, S.R. 9—53950
van Weert, Ch.G. *see* de Groot, S.R. 9—84874
van Weert, Ch.G. *see* Siskens, Th.J. 9—63140
van Westenbrugge, J.K. *see* Knaap, M.H. 9—97792
Van Wieringen, J.S. Exact and approximate solution of the regenerator equation for the case of high heat exchange and moderate heat capacity 9—59918
van Wijk, R. Hierarchical laboratory automation and filing system for pharmaceutical quality control 9—52798
Van Wijngaarden, L., Disselhorst, J.H.M. Resonant gas oscillations in open pipes 9—68805
van Wijngaarden, L. *see* Disselhorst, J.H.M. 9—72879
van Willigen, A. *see* Vroom, J.P. 9—97784
Van Willigen, H. Proton ENDOR on $VO(acac)_2$ in frozen solution 9—99792
van Wingerden, B., van der Leeuw, Ph.E., de Heer, F.J., van der Wiel, M.J. Partial oscillator strengths (25-40 eV) for repulsive states of $D_2(^1\Sigma_u^+)$ 9—54980
van Winter, C. A weighted Hilbert space for multiparticle scattering 9—75380
van Woerden, H. *see* Hawarden, T.G. 9—80348
van Woerden, H. *see* Mebold, U. 9—53908
Van Workum, J., Palscyk, J.A., Skolnick, M.L. Laser Wavefront Analyzer for diagnosing high-energy lasers 9—59740
Van Workum, J., Plascyk, J.A., Skolnick, M.L. Laser wavefront analyzer for diagnosing high-energy lasers 9—59738
Van Wormer, D. *see* Slemmons, D.B. 9—79838
Van Wormer, K.A. *see* Viola, M.S. 9—73116
Van Wulfften Palthe, D.W. *see* Berkhout, A.J. 9—88256
van Wyk, C.B. Rotations, Lorentz transformations, and arbitrary axes 9—97155
Van Zandt, L.L. *see* Prohofsky, E.W. 9—62180
Van Zee, R.J., Brown, C.M., Weltner, W., Jr. MnF_2 and MnH_2 molecules (S=5/2): 'extra' lines in their ESR spectra 9—81218
Van Zee, R.J., DeVore, T.C., Weltner, W., Jr. CrH and CrH_2 molecules: ESR and optical spectroscopy at 4K 9—98084
Van Zee, R.J. *see* Dendramis, A. 9—93992
Van Zolingen, R.J.C., Kipperman, A.H.M. Growth conditions and properties of evaporated semicrystalline silicon layers 9—82482
Van Zyl, B. *see* Rothwell, H.L., Jr. 9—50125
Van Zytveld, J.B. Thermoelectricity in liquid metals: review of experimental methods 9—65451
van Zytveld, J.B. *see* Rottman, C. 9—99524
Van-Haute, A. *see* Goosens, I. 9—96359
Van-Vi Tran The potential of the use of solar energy in rural areas in Vietnam 9—57384
Vanagas, V.V. Classification of states in the unitary scheme for complex nuclei and commutation properties of SU_3-irreducible c-tensors 9—63598
Vanagas, V.V. Some properties of basis functions and of collective states of bound proton-neutron systems 9—67688
Vanagas, V.V. The operator averaging rechnique and recurrent construction of collective variables for bound proton-neutron systems 9—67689
Vanagas, V.V., Taurinskas, M.V. Problems in the definition and evaluation of collective energy in the microscopic theory of the nucleus 9—63607
Vanagas, V.V., Taurinskas, M.V. Determination of the spin-isospin part of the matrix element of the microscopic collective nuclear Hamiltonian 9—63609
Vanagas, V.V. *see* Taurinskas, M.V. 9—63608
Vanasse, G. *see* Zehnpfennig, T.F. 9—75576
Vanasse, G.A., Esplin, R.W., Huppi, R.J. Selective modulation interferometric spectrometer (SIMS) technique applied to background suppression 9—97443
Vanasse, G.A., Esplin, R.W., Huppi, R.J. The SIMMS technique applied to background suppression 9—97445
Vanasse, G.A. *see* Zehnpfennig, T.E. 9—97428
Vanazani, V. Relationships between different formulations of N-body scattering and origin of spurious solutions 9—75412
Vanbeveren, D., De Greve, J.P. The influence of stellar wind on the evolution of massive binaries with an application of massive X-ray binaries 9—101172
Vance, E.R., Mallard, W.C. Infrared studies of hydrogen in crystalline CaO and MgO 9—51992
Vanchikov, V.V., Ivashchenko, A.N. NMR of Fe^{57} nuclei in the weak ferromagnetic FeF_3 9—95676
Vancraenbroeck, C. *see* Poss, A. 9—74601
Vancso'-Szmercsanyi, I. *see* Pogany, G. 9—100367
Vandakurov, Yu.V. On nonspherical thermal instability in stars 9—67000
Vandamme, L.K.J., Kamp, L.P.J. Transverse and longitudinal noise 9—51642
Vandamme, L.K.J. *see* Kleinpenning, T.G.M. 9—99593
Vandecasteele, C. Determination of oxygen in metals and semiconductors through activation analysis by neutrons and charged particles 9—100478
Vanden Berghe, G., De Meyer, H.E. A practical method for constructing N-quadrupole- and N-octupole-phonon states 9—75817
Vandenborre, H., Leysen, R., Tollenboom, J.P., Baetsle, L.H. Alkaline inorganic-membrane-electrolyte water electrolysis 9—74396
Vandenbosch, R. Simple model for nuclear alignment in peripheral nuclear collisions 9—89323
Vandenbosch, R. *see* Dyer, P. 9—67786
Vandenbosch, R. *see* Puigh, R.J. 9—93675
Vandenbroek, M.A. *see* Banerjee, S. 9—82017
Vandenplas, P.E. *see* Messiaen, A.M. 9—77361, 9—99000
Vandenplas, P.E. *see* Weynants, R.R. 9—98932
Vandenput, G. *see* Van den Cruyce, J.M. 9—93491
Vander Sande, J. *see* Meyer, M. 9—55675
Vander Sande, J.B. *see* Kingery, W.O. 9—70069
Vander Velde, Ch. *see* Demeester, M. 9—62404
Vander Velde Wilquet, C. *see* Ciampolillo, S. 9—71739
Vander Velde-Wilquet, C. *see* Bonetti, S. 9—49509
Vander Velde-Wilquet, C. *see* Pohl, M. 9—49507
Vander Voort, G.F. Macroscopic examination procedures for failure analysis 9—66254
Vander Vorst, A. Cross-polarization on a terrestrial path [microwave links] 9—66736
Vander Vorst, A.S. A survey of atmospheric propagation research experiments on slant paths in the band 15-40 GHz 9—84465
Vanderbauwhede, A.L. Potential operators and variational principles: a generalization 9—75352
Vanderbilt, D., Joannopoulos, J.D. Calculation of defect states in amorphous selenium 9—65415
Vandergrift, V. Recombinant DNA: scientific and social perspectives 9—88047
Vanderhaeghen, J. *see* Wegener, W. 9—51022, 9—78361
Vanderhagen, R. *see* Badier, J. 9—93460
Vanderhaghen, R. *see* Badier, J. 9—93460
Vanderheydt, L. *see* Oosterlinck, A. 9—62418
Vanderlyn, P. Auditory cues in stereophony 9—88090
Vandermeer, R.A., Cavin, O.B. The development of texture and its role in shape memory behavior in a uranium alloy 9—87661
Vanderpoorten, R. *see* Michel, F. 9—49632
Vanderriest, C., Schneider, J. Morphology of low-redshift quasars and related objects. I. First results obtained by electronography 9—88759
Vandersande, J.W. Low temperature thermal conductivity of two natural diamonds: anisotropic heat conduction in the boundary scattering regime 9—65267
Vanderschaeve, G., Sarrazin, T., Escaig, B. Effect of domain size on the mechanical properties of ordered Ni_3V 9—79027
VanderVen, N.S., Witt, C.E. Surface relaxation effects in conduction-electron spin-resonance transmission 9—61218
VanderVen, N.S. *see* Witt, C.E. 9—61217
Vandervoort, R.R., Barmore, W.L., Mukherjee, A.K. Effects of high-energy neutron irradiation on the creep of niobium 9—74221
Vandervoort, R.R. *see* Barmore, W.L. 9—79200
Vanderwall, J., Blackburn, J. Suppression of some artifacts of modal noise in fiber-optic systems 9—94357
Vanderwielen, A.J. Specificity in quality control 9—97449
Vanderwyck, A.H.B. *see* Lanir, M. 9—67385
Vanderzee, C.E. *see* Berg, R.L. 9—57284, 9—57285
VanDevender, J.P. Long self-magnetically insulated power transport experiments 9—90471
VandeVoorde, P., Iddings, C.K., Love, W.F., Halford, D. Structure in the flicker-noise power spectrum of n-InSb 9—73555
Vandevyver, M. *see* Hoclet, M. 9—55853
Vandorpe, B. *see* Curru, J.-C. 9—51903
Vandorpe, M. *see* Bourgoin, J.C. 9—56225
Vandorpe, M. *see* Lasjaunias, J.C. 9—60769
Vandyshev, V.P. *see* Konovalov, L.V. 9—91798
Vandyukov, E.A. *see* Mirumyants, S.O. 9—54893
Vane, C.R. *see* Elston, S.B. 9—50124
Vane, G. *see* Knopoff, L. 9—92513
Vanek, J. *see* Roglinov, A. 9—92509
Vanek, P., Kadeckova, S. Growth striations in Fe-3 wt.%Si single crystals grown by floating zone melting at various growth rates 9—95914
Vanek, V. *see* Conn, R.W. 9—76144
Vaneldik, J.F. *see* Kasper, B.L. 9—75110
Vangengeim, S.D. *see* Kuksa, L.V. 9—55890
Vangheluwe, D.C.L. Finite element analysis of AT-cut crystals 9—56732
Vanhecke, L., Willmore, T.J. Jacobi fields and geodesic spheres 9—63105
Vanhollebeke, J. *see* Debarvat, S. 9—70982
VanHook, D.A. *see* Kusaka, R.T. 9—94334
VanHoosier, M.E. *see* Bartoe, J.-D.F. 9—53794
VanHoosier, M.E. *see* Jordan, C. 9—53795
Vanhorenbeeck, J. *see* Hubert, P. 9—63577
Vanhorenbeeck, J. *see* Roulet, C. 9—75854
Vanhoutte, C. *see* Jaffrin, M.Y. 9—57742
Vani, G.V., Vijayan, K. Crystal and molecular structure of isomorphous cholesteryl chloride and cholesteryl bromide 9—82194
Vanicek, K. Participation of meteorology in the utilization of solar radiation energy 9—83567
Vanicek, P., Elliott, M.R., Castle, R.O. Four-dimensional modeling of Recent vertical movements in the area of the southern California uplift 9—80055
Vanier, J., Nguyen, D.H., Busca, G., Tetu, M. Study of the effect of light shifts and buffer gas shifts on the hyperfine transition of ^{87}Rb: influence of the long term frequency stability of the rubidium maser 9—98029
Vanier, J., Tetu, M., Bernier, L.-G. Transfer of frequency stability from an atomic frequency reference to a quartz crystal oscillator 9—54108
Vanier, J. *see* Beverini, N. 9—72545
Vanier, P.E. *see* Pollak, F.H. 9—95783, 9—99562
Vaniman, D.T. *see* Labotka, T.C. 9—84688
Vanin, V.A. Perception of a pseudoscopic image restored by a hologram 9—50255
Vaninbroukx, R. Determination of ^{241}Pu in ^{241}Am samples by γ-ray spectrometry 9—52808
Vaninov, V.L., Gutsol, A.D., Novoselov, S.K. Optical properties of arsenic telluride glasses 9—65829
Vankar, V.D., Pandya, D.K., Chopra, K.L. Structural and optical properties of ZnS-MgF_2 alloy films 9—90910
Vankar, V.D. *see* Akhtar, D. 9—52268, 9—56974, 9—87018
Van'kina, N.M. *see* Sakkilari, A.V. 9—95981
Vanko, J. *see* Povinec, P. 9—68144
Van'kov, A.A. *see* Voropaev, A.I. 9—97753
Vankov, C. *see* Stanev, T. 9—54330
Vankov, I.D., Dimitrov, L.P. A device for determining the ratio of two values 9—85199
Vanlaethem-Meuree, N., Wisemberg, J., Simon, P.C. Ultraviolet absorption spectrum of methylchloroform in the vapor phase 9—81208
VanLandingham, K.E. *see* Maffeo, C.J. 9—96599
Vanmarcke, M. *see* Wieme, W. 9—82115
Vannaroni, G. *see* Amaldi, E. 9—67217
Vanneste, L. *see* Schoeters, E. 9—75836
Vanni, R. *see* Ciolli, P. 9—50228
Vannice, M.A., Moon, S.H., Twu, C.C., Wang, S.-Y. A design for a combined infrared cell/differential single-pass reactor 9—80683
Vannier, D. *see* Azancot, I. 9—70634
Vannikov, A.V. *see* Kostin, A.K. 9—69437
Vannikov, A.V. *see* Lozhkin, B.T. 9—67416
Vannimenus, J. *see* Derrida, B. 9—69678
Vannini, G. *see* Bertin, A. 9—86090, 9—89811
Vannini, G. *see* Uguzzoni, A. 9—76016
Vannucci, F. *see* Barber, D. 9—54289, 9—54346
Vannucci, F. *see* Barber, D.P. 9—89175, 9—97631
Vannucci, F. *see* Ferguson, T. 9—63494
Vano, E., Gonzalez, L. Application of the gamma-X ray coincidence technique to measure vacancy ratios L2/L3 for internal conversion 9—97682
Vano, E. *see* Gonzalez, L. 9—80876, 9—98016
Vano, E. *see* Los Arcos, J.M. 9—48983
Vanoli, F. *see* Armenante, M. 9—54997
Vanoni, F. *see* Deterre, P. 9—95025

Vanos, J. *see* Carr, R. 9—87425
Vanpraet, G. *see* Mewissen, L. 9—54436
Vanselow, K. *see* Wolschendorf, K. 9—53214
Vanslager, F. *see* Blok, J. 9—67918
Vantsan, V.M. *see* Mashchenko, V.E. 9—73974, 9—99905
Vantsyan, A.G., Astashkina, E.V. Quantity of information transmitted over a quantum channel with various dequantization methods 9—55075
VanUitert, L.G. *see* Stocker, H.J. 9—81540
Vanvoorhis, G.D. *see* Hohmann, G.W. 9—84499
Vany, A.S.De *see* De Vany, A.S.
Vanyukov, A.V., Krotov, I.I., Ermakov, A.I. Determination of the composition of equilibrium phases in the system Hg-HgTe-CdTe by the dew point method 9—78941
Vanyukov, A.V., Krotov, I.I., Tokmakov, V.V. Conditions for oriented crystallization of HgTe from the vapour-gas phase 9—52124
VanZandt, T.E., Green, J.L., Clark, W.L., Grant, J.R. Buoyancy waves in the troposphere: Doppler radar observations and a theoretical model 9—84367
Vanzani, V. *see* Cattapan, G. 9—54415, 9—71286, 9—75934
Vapaille, A. *see* Barret, C. 9—91118
Vapenikova, O. *see* Latham, A. 9—89168
Vapenikova, O. *see* Morris, J.V. 9—93434
Vapirev, E. *see* Mahnke, H.-E. 9—56647
Varadan, T.K. *see* Prathap, G. 9—81778
Varadan, V.K. Scattering of elastic waves by randomly distributed and oriented scatterers 9—50483
Varadan, V.K., Bringi, V.N., Varadan, V.V. Coherent electromagnetic wave propagation through randomly distributed dielectric scatterers 9—72466
Varadan, V.K., Varadan, V.V. Frequency dependence of elastic (SH-) wave velocity and attenuation in anisotropic two phase media 9—50644
Varadan, V.K. *see* Varadan, V.V. 9—68456, 9—94382
Varadan, V.V., Varadan, V.K. Scattering matrix for elastic waves. III. Application to spheroids 9—68456
Varadan, V.V., Varadan, V.K. Low-frequency expansions for acoustic wave scattering using Waterman's T-matrix method 9—94382
Varadan, V.V. *see* Varadan, V.K. 9—50644, 9—72466
Varadarajan, S., Littlejohn, M.A., Hauser, J.R. Inversion and accumulation layer formation at elevated temperatures in n-type GaAs-anodic oxide MIS devices 9—60934
Varade, S.B. *see* Romakniskna Rao, G. 9—96794
Varadi, G. *see* Kosaly, G. 9—54530
Varaldi, G. *see* Peinturier, P. 9—76110
Varandas, A.J.C. A LEPS potential for H_3 from force field data 9—63934
Varavko, I.A. *see* Bryk, M.T. 9—95990
Vardanyan, G.A. Fermi and Bose quasiparticles in a lattice system 9—75462
Vardanyan, G.A. *see* Anisimova, O.P. 9—90843
Vardanyan, R.A. Cross section for electron capture by a charged dislocation in a semiconductor 9—86861
Vardanyan, R.L., Khanukaev, B.B., Khanukaeva, N.S., Sarkisyan, A.Ts. The differential thermal analysis of some cholesteric liquid crystals 9—77496
Vardanyan, R.L. *see* Sukiasyan, S.S. 9—50984
Vardanyan, Yu.S. Multiple-layer model of a small-scale dynamo 9—53612
Vardenga, G. *see* Aksinenko, V. 9—97713
Vardeny, Z., Brafman, O. Phonon anomalies in Cu halides 9—73272
Vardeny, Z., Brafman, O. Disorder-induced TA Raman lines in mixed Cu-halide crystals 9—73929
Vardiman, L. The generation of secondary ice particles in clouds by crystal-crystal collision 9—79932
Vardiman, L., Moore, A. Generalized criteria for seeding winter orographic clouds 9—84391
Vardoulakis, I. Bifurcation analysis of the triaxial test on sand samples 9—70783
Vardy, M.S. *see* Tarafdar, S.P. 9—84793
Varea, C., Robledo, A. Surface electronic Green's functions in terms of the bulk Green's function via random-walk theory 9—60898
Vareille, A. The problem of spectral analysis of polarized light. Some cases in polychromatic and coherent optics 9—50209
Varekhov, A.G., Nedelin, P.N., Kiyanskaya, L.A. Luminescence of 1,8-anilinonaphthalene sulfonate in bacterial suspensions 9—88052
Varela, D., Kastenberg, W.E., Dhir, V.K. On the transition phase of fast reactor overpower excursions 9—49673
Varetti, E.L. A normal coordinate analysis for sym-N_2O_3 9—59432
Varey, R.H. *see* Adrain, R.S. 9—57556
Varfolomeev, I.M. *see* Gortyshov, Yu.F. 9—82015
Varfolomeev, M.B., Narnov, B.A., Burylyaev, V.V. Crystal-chemical identification of high-temperature modifications of $LnSbO_4$ (Ln=Nd-Lu or Y) 9—65059
Varfolomeeva, E.A. *see* Khayurov, S.S. 9—96248
Varganov, V.A. *see* Potak, Ya.M. 9—100196
Vargas, C. *see* Cruz, S.A. 9—77660
Vargas, C.A. *see* Burridge, R. 9—74847
Vargas, H. *see* Cesar, C.L. 9—64473
Vargas, H. *see* da Silva, E.C. 9—91476
Vargay, Z. *see* Gacs, I. 9—57333
Varghese, C. Minimising of heliostating problems (by special geometric fixing of mirrors) 9—62126
Varghese, P.M. *see* Ray, L. 9—63669
Varghese, T.G. *see* Arora, S.K. 9—84523
Vargin, A.N., Ganina, N.A., Kostyuchenko, E.K., Konyukhov, V.K., Lukovnikov, A.I., Selyakov, V.I. Computation of the rotational transition probabilities of diatomic molecules with a Morse potential 9—86046
Varhelyi, G. *see* Meszaros, E. 9—70475
Varheylyi, G. On the vertical distribution of sulphur compounds in the lower troposphere 9—79428
Vari Babu, H. *see* Mutha Reddy, M. 9—95857
Varier, K.M. *see* Basavaraju, G. 9—75973
Varilly, J.C. *see* Emch, G.G. 9—58621
Varin, M.P. *see* Tolchelnikova-Murri, S.A. 9—96892
Varin, R.A. Effect of extrinsic grain-boundary dislocations on $M_{23}C_6$ precipitate nucleation in an austenitic stainless steel 9—51118
Varin, R.A. The validity of the CSL model of grain boundary structure for describing grain boundary behaviour 9—51120
Varin, R.A. Spreading of extrinsic grain boundary dislocations in austenitic steel 9—57004
Varina, V.A., Nemiro, A.A., Timashkova, G.M. An investigation of the systematic error of determination of the collimation of the Pulkovo large transit instrument (PLTI) mounted in the southern hemisphere 9—92673
Varisco, G. *see* Pagani, C. 9—54682
Varkey, P.A., Pethe, G.V., Padmini, A.R.K.L. Elastic constants of bismuth polycrystal containing tin, lead, antimony and tellurium impurities 9—69180
Varkony, T.H., Shiloach, Y., Smith, D.H. Computer-assisted examination of chemical compounds for structural similarities 9—81294
Varkony, T.H. *see* Djerassi, C. 9—50158
Varkovitskaya, A.Ya., Zamchalova, E.A., Zatsepin, G.T., Zatsepin, V.I., Ivanova, M.A., Mandritskaya, K.V., Osipova, E.A., Rakobol'skaya, I.V., Sazhina, G.P., Sokol'skaya, N.V., Tulinova, N.I. Muon, γ-quantum, and hadron spectra above 2 TeV 9—80147
Varli, K.V., Edneral, N.V., Leikin, A.I., Skakov, Yu.A., Tyurin, B.V. Structure and properties of LMtsSKA 58-2-2-1-1 brass after heat treatment 9—83239
Varljen, T.C., Kelley, J.L., Gibson, G., Rose, R.P. Preliminary consideration of a multipurpose fusion-fission hybrid facility 9—85788
Varljen, T.C. *see* Roberst, M. 9—71959
Varma, A. *see* Pereira, C.J. 9—79281
Varma, B.P. *see* Ghosh, C. 9—78827, 9—91518, 9—95867
Varma, C.M. Mixed-valence behaviour of TmSe 9—78050
Varma, C.M. Quantum theory of the heats of formation of metallic alloys 9—86907
Varma, C.M., Blount, E.I., Vashishta, P., Weber, W. Electron-phonon interactions in transition metals 9—95107
Varma, C.M., Weber, W. Phonon dispersion in transition metals 9—95102
Varma, C.M. *see* Blount, E.I. 9—51708
Varma, C.M. *see* Holden, A.J. 9—51491
Varma, C.M. *see* Pettifor, D.G. 9—57283
Varma, N.L. *see* Phalswal, D.R. 9—82072
Varma, R.R., Patterson, M.H., Williams, R.H. The influence of the surface on the electronic nature of gold and aluminium contacts to cadmium telluride 9—60921
Varma, S.K. Substructural developments during recovery in EC aluminum 9—74187
Varma, V.S. *see* Ghosh, J. 9—63685
Varnado, G.B., Ortiz, N.R. Fault tree analysis for vital area identification [nuclear facilities safety] 9—85691
Varnado, S.G. *see* Mitchiner, J.L. 9—76121
Varnauskas, E. *see* Bjuro, T. 9—70692
Varner, J.L., Peters, J.F., Ellingson, R.J. Interhemispheric synchrony in the EEGs of full-term newborns 9—62226
Varoquaux, E. Progress in nuclear refrigeration of ^{3}He 9—67315
Varoquaux, E. *see* Avenel, O. 9—51353
Varoquaux, E. *see* Bloyet, D. 9—55989
Varotsos, P., Alexopoulos, K. On the 'anomalous' curvature of the diffusion plot of bromine in AgBr 9—60548
Varpula, T. *see* Aittoniemi, K. 9—63285
Varracchio, E.F. Field-theoretic approach to atomic transitions involving excited states 9—68199
Varracchio, E.F. On a field-theoretic formulation of scaling laws in molecular scattering 9—81263
Varracchio, E.Ficocelli *see* Ficocelli Varracchio, E.
Varret, F., Naudin, F. Mossbauer spectra of Fe^{2+}, Fe^{3+} impurities diluted in a sodalime silicate glass; measurement of the Fe^{2+} rate 9—51893
Varret, F. *see* Chappert, J. 9—73863
Varret, F. *see* Ferey, G. 9—91228
Varsany, M.L. *see* Leidheiser, H., Jr. 9—61269
Varsanyi, M.L. *see* Leidheiser, H., Jr. 9—90897
Varsanyi, M.L. *see* Simmons, G.W. 9—61268
Varsanyi, M.L. *see* Vertes, A. 9—61778
Varshal, B.G. *see* Balashov, Yu.S. 9—52285, 9—66101
Varshal, G.M. Development of environmental analytical chemistry 9—53006
Varshalovich, D.A., Khersonskii, V.K. Rotational-level populations of interstellar molecules 9—97054
Varshalovich, D.A., Levshakov, S.A. Absorption lines of molecules H_2 and CO in the PHL 957 quasar spectrum 9—101216
Varshalovich, D.A. *see* Everskaya, I.L. 9—97056
Varshavskaya, I.G. *see* Fedoseev, D.V. 9—94479
Varshney, B.S. *see* Sharma, P.R. 9—55324
Varsimashvili, T.V. *see* Baiburina, S.G. 9—80156, 9—80170
Vartanian, M.H. *see* Endres, H. 9—90636
Vartanov, Yu.A. *see* Agan'yants, A.O. 9—69170
Vartanyan, A.T. *see* Aleksandrov, I.V. 9—65866
Vartanyan, A.V. *see* Afyan, V.V. 9—96420
Vartanyan, K.V. *see* Oganesyan, R.Kh. 9—88653
Vartanyan, T.A., Przhibelskii, S.G. Effect of the centrifugal barrier on the probability of nonadiabatic transitions in the optical excitation of colliding atoms. Generalization of the Landau-Zener-Stuckelberg model 9—64095
Vartanyan, T.A. *see* Akimov, Yu.K. 9—49525
Vartanyan, T.G. *see* Khrimyan, A.V. 9—80111
Vartanyan, Yu.L., Ovakimova, N.K. White dwarfs and neutron stars with neutrino retention 9—62817
Vartapetyan, G.A. *see* Agan'yants, A.O. 9—69170
Vartapetyan, G.A. *see* Avakyan, R.O. 9—59051
Vartsky, D., Ellis, K.J., Hull, D.M., Cohn, S.H. Nuclear resonant scattering of gamma rays—a new technique for in vivo measurement of body iron stores 9—83914
Vartsky, D., Prestwich, W.V., Thomas, B.J., Dabek, J.T., Chettle, D.R., Fremlin, J.H., Stammers, K. The use of body hydrogen as an internal standard in the measurement of nitrogen in vivo by prompt neutron capture gamma-ray analysis 9—92441
Varwig, R.L. *see* Wang, C.P. 9—86187
Vary, A., Lark, R.F. Correlation of fiber composite tensile strength with the ultrasonic stress wave factor 9—87798
Vary, J.P., Lassila, K.E., Sandel, M.S. Particle production in nucleon-nucleus and nucleus-nucleus collisions: Fermi motion versus collective tube mechanisms 9—93659
Vary, J.P. *see* Sandel, M. 9—93622
Vary, M.W., McBride, J.M. Single crystal EPR studies of radical pairs in dibenzoyl peroxide 9—73813
Varyukhin, S.V., Egorov, V.S. Anomalous temperature dependence of the resistance of beryllium containing impurities 9—51552
Varyukhin, V.N. *see* Zarochentsev, E.V. 9—65137, 9—82274
Varyukhin, V.V. *see* Baranov, D.G. 9—80176
Varyukin, V.V., Gagarin, Yu.F., Ivanova, N.S., Kalinkin, B.N., Koltochnik, S.H., Kulikov, B.N., Shmonin, V.L., Yakubovskii, E.A. Characteristics of nucleons in central collisions between relativistic Fe-group and Ag, Br nuclei and the nuclear pionization phenomenon 9—80963
Vas, R. *see* Schaefer, S. 9—100755
Vasan, H.N. *see* Vasudevan, S. 9—100014
Vasanelli, L. *see* Raino, A. 9—87512
Vasanova, L.K. *see* Safronov, A.I. 9—72940
Vasconcellos, C.A.Z. *see* Maris, Th.A.J. 9—75846
Vasconcellos, J.I.C. Near-resonance nonlinear propagation of monochromatic radiation in a gas medium 9—76748
Vascotto, A. *see* Fidecaro, G. 9—85343
Vaselli, M. *see* Einaudi, G. 9—73022
Vaselli, M. *see* Giammanco, F. 9—94808
Vasenin, I.M., Nefedov, A.P., Sidonskii, O.B. Three-dimensional flow of a viscous fluid with a free surface 9—86400
Vasetsky, Y.M. *see* Emets, Y.P. 9—60862
Vashchenko, A.A. *see* Pryanichnikova, T.V. 9—83251
Vashchenko, A.P. *see* Abramchuk, G.A. 9—93132
Vashchenko, L.P. Geometrically nonlinear strain of soft metals 9—50589
Vashchenko, N.G. *see* Kovtun, A.D. 9—52280
Vashchenkov, V.P. *see* Ryzhanskii, V.A. 9—52200
Vashchuk, V.I., Zabello, E.I., Tikhonov, E.A. New dye laser systems with dynamic distributed feedback 9—50317
Vashishta, P. *see* Varma, C.M. 9—95107
Vasholz, D.P. Source extraction in a random medium 9—50514
Vashukov, I.A. Mechanism for dissolution of carbon in liquid iron 9—51264
Vasi, J. *see* Bhattacharyya, A.B. 9—56286
Vasichev, B.N. Scanning electron microscopy and electron lithography 9—75662

Vasichev, B.N. Scanning electron microscope using high-energy electrons 9—80728
Vasichev, B.N. *see* Golubev, V.P. 9—93259
Vasilakis, J.D. *see* Anderson, G.L. 9—72842
Vasil'chenko, V.G., Lapshin, V.G., Monich, E.A., Ronzhin, A.I., Rykalin, V.I. GFEU-30 hodoscopic photomultiplier 9—93869
Vasil'chenko, V.G., Vishnevskii, N.K., Lavkin, A.G., Lapshin, V.G., Purgin, V.T., Rykalin, V.I., Semenov, V.K. Spectrometric characteristics of optical gas-discharge chambers in the pulsed proportional amplification regime 9—97942
Vasil'chenko, V.I., Kusakin, S.I. Solution of a problem of supersonic gas flow past solids of revolution in the theory of small perturbations 9—68742
Vasil'chikov, N.M. *see* Ksanfomaliti, L.V. 9—66950
Vasile, C.F., Thompson, R.B. Ultrasonic ellipsometer 9—57196
Vasile, C.F., Thompson, R.B. Excitation of horizontally polarized shear elastic waves by electromagnetic transducers with periodic permanent magnets 9—76932
Vasilenko, A.Yu. *see* Kosilov, A.T. 9—100138
Vasilenko, I.I. *see* Petrivskii, R.I. 9—52439
Vasilenko, K.T. *see* Yurchenko, D.S. 9—97868
Vasilenko, L.S., Skvortsov, M.N., Chebotaev, V.P. Coherent resonance in SF_6 in pulsed fields 9—68375
Vasilenko, S.S. *see* Belyaev, B.N. 9—75894
Vasilenko, V.M., Mirabel, A.P. Average systems of orthogonal functions of the vertical current structure in the tropical Atlantic [POLYGON-70] 9—53356
Vasilenko, V.V. *see* Rambidi, N.G. 9—93093
Vasilenko, Yu.G., Dunischev, Yu.N. Two-frequency Raleigh interferometer 9—75579
Vasilenko, Yu.G. *see* Dubnishchev, Yu.N. 9—77305
Vasil'ev, A.A. Long-term forecasting of the spring inflow hydrograph into the Tsimlyansk reservoir 9—57985
Vasil'ev, A.A., Kompanets, I.N., Kotova, S.P., Morozov, V.N. Controlled transparencies in holographic systems with coded reference beam 9—94177
Vasil'ev, A.A. *see* Balbekov, V.I. 9—63829
Vasilev, A.B. Frequency and temperature dependence of the absorption in the wings of the bands of the characteristic lattice vibrations of dielectrics. I 9—65861
Vasilev, A.B., Kislovskii, L.D. Frequency and temperature dependence of the absorption in the wings of the bands of the characteristic lattice vibrations of dielectrics 9—65864
Vasilev, A.B., Kislovskii, L.D. Dispersion of refractive index and possibility of highly transparent dielectrics 9—72635
Vasil'ev, A.D. *see* Dmitrieva, G.P. 9—52171
Vasil'ev, A.F., Aryutkina, N.L. Methods of quantitative analysis of multicomponent mixtures from absorption spectra (review) 9—52811
Vasil'ev, A.F. *see* Ornatskii, A.P. 9—64489
Vasil'ev, A.N. *see* Apokin, V.D. 9—67615
Vasil'ev, A.P. Automation of preparatory operations in mass-spectrometric leak testing 9—52597
Vasilev, A.V. *see* Ryskin, A.I. 9—78651
Vasil'ev, B.I. Habitable submarine devices in marine geology 9—88502
Vasil'ev, B.I., Grasyuk, A.Z., Dyad'kin, A.P., Furzikov, N.P. CF_4 laser with optical pumping 9—72557
Vasil'ev, B.I., Vishnyakov, N.A., Galochkin, V.T., Grasyuk, A.E., Dyad'kin, A.P., Zhigalkin, A.K., Kovalevskii, V.A., Kosinov, V.N., Oraevskii, A.N., Sukhanov, A.N., Starodubtsev, N.F. Comparison of the efficiency of excitation of different types of oscillation of the CCl_4 molecule in a strong IR field 9—89721
Vasil'ev, B.V., Ignatovich, V.K., Kolycheva, E.V. Shielding of weak magnetic fields by superconducting shells 9—68351
Vasil'ev, E.A., Gelyasin, A.E. A continuous series of solid solutions in the system $MnSb$-Mn_2Sn 9—52159
Vasil'ev, E.N., Gorelikov, A.I., Efimova, I.G. Axisymmetrical excitation of an ideally conducting body of revolution covered with a thin layer of dielectric 9—81327
Vasilev, E.V., Evdokimov, A.A., Efremov, V.A., Lazoryak, B.I., Papulovskii, V.F., Sviridova, R.K., Solokha, A.F., Trunov, V.K. Spectral and structural properties of $K_3Nd(MoO_4)_4$ 9—52020
Vasil'ev, G.G. *see* Edel'man, I.S. 9—99966
Vasil'ev, G.K. *see* Agroskin, V.Ya. 9—64219, 9—94226
Vasil'ev, I.A., Musin, Ya.A., Chalov, P.I. γ-adsorption analysis of a substance with allowance for effect of heavy impurities 9—61932
Vasil'ev, I.Yu., Petrov, M.D. Influence of tangential injection on heat transfer to a cone in the transition Reynolds number domain 9—64654
Vasil'ev, L.A. *see* Babeiko, Yu.A. 9—59690
Vasil'ev, L.L. *see* Maiorov, V.A. 9—64763
Vasil'ev, L.N. *see* Bakhtiyarov, A.Sh. 9—87636
Vasil'ev, L.N. *see* Seregin, P.P. 9—65979
Vasil'ev, M.A. Secondary ion emission of borides and carbides of transition metals 9—69940
Vasilev, M.A. *see* Cherepin, V.T. 9—87755
Vasil'ev, M.B. *see* Azarkh, S.L. 9—62778
Vasil'ev, N.I., Lomashev, B.I. Experimental investigation of the turbulent boundary layer of a dissociating gas at the wall of a channel 9—60067
Vasil'ev, N.N., Nedospasov, A.V., Petrov, V.G., Tokar', M.Z. A turbulent plasma blanket 9—59259
Vasil'ev, P.P. *see* Bobrov, A.M. 9—62773
Vasil'ev, P.P. *see* Trubitsyn, V.P. 9—75152
Vasil'ev, R.F. *see* Belyakov, V.A. 9—87846, 9—87847
Vasil'ev, S.A., Matveenko, G.V., Urupov, A.K. Algorithms for correcting seismic image distortions produced by strongly refracting curved intermediate interfaces 9—58118
Vasil'ev, S.A., Urupov, A.K. New ways of studying the propagation velocity of seismic waves and structure of a medium using common-point observations 9—74981
Vasil'ev, S.N. *see* Balbekov, V.I. 9—63829
Vasil'ev, S.S. *see* Kocharov, G.E. 9—84599
Vasil'ev, V.A. Regular reflection of a shock wave from a solid wall in a stream of fuel mixture 9—77291
Vasil'ev, V.A. *see* Bobkov, A.F. 9—67433
Vasil'ev, V.A. *see* Tikhonov, G.F. 9—78915
Vasil'ev, V.D. *see* Zhilkin, A.M. 9—50406
Vasil'ev, V.F. *see* Anisimov, A.M. 9—77277
Vasil'ev, V.G., Ershova, Z.V., Dmitrievskaya, E.V. The production of tritium in fission and fusion reactors 9—71874
Vasil'ev, V.G., Kozlov, O.A., Konstantinov, A.A., Krasheninnikov, S.K., Rogovina, L.Z., Slonimskii, G.L. Apparatus for the study of the viscoelastic properties of gels and concentrated polymer solutions at small constant shear stresses 9—54123
Vasil'ev, V.G. *see* Malevskii, Yu.B. 9—83200
Vasil'ev, V.I. *see* Basargin, Yu.G. 9—54716
Vasil'ev, V.L. *see* Balbekov, V.I. 9—63829
Vasil'ev, V.N., Toptygin, I.N., Chirkov, A.G. Acceleration of particles in the interplanetary medium in the one-dimensional model with a moving plane shock front 9—80119
Vasil'ev, V.P., Glezer, A.M., Zakharov, E.K., Pastukhova, Zh.P., Rakhshtadt, A.G. Structural transformations in the alloy 40KKhNM during its deformation and annealing 9—91707
Vasil'ev, V.S. *see* Vaganov, A.K. 9—54718
Vasil'ev, V.Yu. *see* Mironov, I.I. 9—52437
Vasil'ev, Yu.N., Fugol', V.A. Friction of carbon materials in phosphorus pentoxide vapor at 300-600°C 9—79116
Vasil'ev, Yu.V., Gerasimenko, N.I., Kuritsyna, E.F. Magnetic-field stabilization of the domain pattern in nematic liquid crystals in nonuniform electric fields 9—94901
Vasil'eva, A.G. *see* Komissarova, L.A. 9—74174
Vasileva, A.N., Grishina, I.A., Kovalev, A.S., Ktitorov, V.L., Osipov, A.P., Rakhimov, A.T. Investigation of the processes of establishment and relaxation of current in a non-self-sustaining discharge plasma 9—99011
Vasil'eva, E.V., Voronova, T.A. Activation energy of diffusion in a thermo-chemical treatment process 9—77800
Vasil'eva, E.V. *see* Arzamasov, V.B. 9—57020
Vasil'eva, E.V. *see* Prokoshkin, D.A. 9—55938, 9—74234
Vasil'eva, G.L. *see* Mukhamedgalieva, A.F. 9—94271
Vasil'eva, I.G. *see* Mironov, K.E. 9—78938
Vasil'eva, L.Yu. *see* Yalamov, Yu.I. 9—64744
Vasil'eva, M.P. *see* Bazakutsa, V.A. 9—95224
Vasil'eva, O.D. *see* Tishchenko, V.G. 9—77516
Vasil'eva, R.P., Akgaev, A., Arkhimov, Yu.N. Thermomagnetic and thermoelectrical properties of an Invar-type iron-nickel alloy 9—91030
Vasil'eva, R.P., Arkhipov, Yu.N., Kurbaniyazov, N.N., Babaev, Kh.G. Transfer phenomena in cobalt-palladium alloys 9—91017
Vasileva, S.V. *see* Natov, M.A. 9—61672
Vasilevskaya, A.S., Sonin, A.S. Transverse electrooptic effect in MBBA 9—94897
Vasilevskii, M.A. *see* Burtsev, V.A. 9—64887, 9—72475
Vasilevskii, V.M. *see* Amelin, E.A. 9—67309
Vasilevskis, S., Van Leeuwen, F., Nicholson, W., Murray, C.A. Internal motions in the central field of the Pleiades 9—88711
Vasiliev, A.A., Nikolaev, Yu. Closed theoretical model of a detonation cell 9—66296
Vasiliev, A.A. *see* Baldin, A.M. 9—72125
Vasiliev, M.A. *see* Fradkin, E.S. 9—58608, 9—80490
Vasilishin, B.V. *see* Baldin, A.M. 9—72125
Vasil'kov, R.G., Gol'danskii, V.I., Pimenov, B.A., Pokotilovskii, Yu.N., Chistyakov, L.V. Neutron multiplication in uranium bombarded with 300-660-MeV protons 9—59099
Vasil'kov, V.F. *see* Khina, M.L. 9—100190
Vasilkova, I.V., Kozhina, I.I., Zagolovich, G.P. The study of fusion diagrams of the ternary system NaCl-K(Pb,Cs)Cl-CuCl. I. The investigation of the NaCl-KCl-CuCl system by thermographic and X-ray methods 9—96015
Vasilkova, I.V., Yefimov, A.I., Krivousova, I.V. Calculation of the shape eutectics lines in the system KCl-NaCl-$FeCl_3$ 9—96016
Vasilkova, I.V. *see* Storonkin, A.V. 9—96014
Vasilov, Yu.V. *see* Pozdnyak, N.Z. 9—61533
Vasil'yev, A.A., Itin, P.G. Investigation of heat transfer in separated flows at low Reynolds numbers 9—98713
Vasilyev, A.A., Rubin, N.B., Denisov, Yu.N., Dmitrievsky, V.P., Dzhelepov, V.P., Glazov, A.A., Kolga, V.V., Zaplatin, N.L. A cyclotron complex for accelerating multicharged ions up to relativistic energies 9—54655
Vasil'yev, A.F. *see* Ornatskiy, A.P. 9—81971
Vasil'yev, M.B. Dispersion interferometers for studying the nonuniform structure and dynamics of the space plasma 9—70964
Vasilyev, M.B. *see* Ivanov-Kholodny, G.S. 9—96939
Vasilyev, O.B. *see* Kondratyev, K.Ya. 9—100956
Vasil'yev, V.I., Longinov, V.V., Solov'yev, A.K., Charykov, N.A. Small-size Hall transducers 9—67290
Vasin, G.P., Soplyachenko, V.N., Kartashova, N.F. Effect of thermal stresses and phase transformations on the strength of Ticonal alloy 9—87721
Vasin, N.D. *see* Rokityanskii, I.I. 9—96737
Vasin, V.A. *see* Belotserkovskii, S.M. 9—86442
Vasina, P., Frank, L. Realisation of the gridless cylindrical mirror analyser 9—71563
Vasinyuk, I.M. Damage of materials under steady and programmed loads 9—57114
Vas'kin, V.V., Voloshin, I.F., Demikhovskii, V.Ya., Fisher, L.M. Nonlinear skin effect in metals 9—87122
Vas'kin, Yu.V. *see* Polyakov, D.A. 9—87671
Vas'ko, F.T. Nonequilibrium photons emitted by electrons in the field of an electromagnetic wave 9—69888
Vaskor, J.G., Dickinson, S.M., Bradley, J.S. Effect of sampling on the statistical descriptors of traffic noise 9—81618
Vas'kov, V.V., Gurevich, A.V. Modulation trough of the intensity of small-scale plasma scattering 9—58159
Vas'kov, V.V. *see* Vyaznikov, V.V. 9—53624
Vas'kova, N.A., Dranchuk, S.N., Mokritskii, V.A. Enhancement of selectivity of etchant for the investigation of thin films of silicon 9—86793
Vas'kovskii, Yu.M., Vorob'eva, N.N., Gordeeva, I.A., Orlov, V.K., Rovinskii, R.E. Optical breakdown of 10.6 μ wavelength near the boundary of a plasma layer in argon 9—60165
Vasofsky, R., Czanderna, A.W., Czanderna, K.K. Water vapor sorption by cured commercial epoxies 9—82454
Vasofsky, R., Czanderna, A.W., Thomas, R.W. UHV system for the ultramicrogravimetric study of samples loaded in a controlled environment 9—80580
Vasofsky, R. *see* Czanderna, A.W. 9—71465
Vasofsky, R. *see* Nagasaka, M. 9—79153
Vass, M.I. *see* Budrugeac, P. 9—60627
Vassallo, C. Radiating normal modes of lossy planar waveguides 9—55220
Vassamillet, L.F. *see* Partin, D.L. 9—78045, 9—87110
Vassanji, M.G., Klein, A. Application of matrix mechanics to the asymmetric rotor in the high-spin limit 9—67687
Vassanji, M.J. *see* Li, C.T. 9—63579
Vasserman, A.M. *see* Aleksandrova, T.A. 9—60260
Vasseur, G. *see* Barthes, V. 9—53583
Vassie, J.M. *see* Collar, P.G. 9—84290
Vassilev, I.S. *see* Toncheva, L.T. 9—95276
Vassilyev, V.A. *see* Somogyi, I.K. 9—56862
Vassilyev, V.A.V., Koos, M., Kosa Somogyi, I. Radiative localized centres in Ge-Se glasses observed by photoluminescence 9—83025
Vassios, G.L. *see* Georgantopoulos, G.A. 9—86518
Vassoille, R. *see* Perez, J. 9—55754
Vasson, A. *see* Bates, C.A. 9—99755
Vasson, A. *see* Vasson, A.M. 9—65723
Vasson, A.M., Vasson, A. Resonant cross-relaxation to Cr^{4+} in ruby 9—65723
Vasson, A.-M. *see* Bates, C.A. 9—99755
Vastano, A.C. *see* Hagan, D.E. 9—79855
Vasu, K.I. *see* Ramakrishna Rao, M. 9—62036
Vasudev, R., Brand, J.C.D. The two-photon excitation spectrum of fluorobenzene vapor 9—59519
Vasudeva, R.Y., Bhaskara, R.K. Wave motion in micropolar elastic bars with rectangular cross section 9—77000
Vasudeva Rao, B. *see* Saraph, V.R. 9—81843
Vasudeva Rao, P.R., Patil, S.K. Absorption spectra of Np(V) in aqueous solutions 9—65899
Vasudevan, K., Grein, F. Theoretical study on the vertical electronic spectrum of carbonyl fluoride, F_2CO 9—49942
Vasudevan, K. *see* Lawlor, L.J. 9—76342

Vasudevan, M. Transverse sensitivity correction of strain-gauge readings by a method of Mohr's circles 9−90203
Vasudevan, N. *see* Rajagopalan, I. 9−62031
Vasudevan, P., Nalwa, H.S., Taneja, K.L., Tewari, U.S. Pyroelectricity in thiourea formaldehyde polymer 9−91379
Vasudevan, R. *see* Jagannathan, R. 9−49157, 9−84990
Vasudevan, S., Hegde, M.S., Rao, C.N.R. XPES and UVPES studies of iron oxides 9−91565
Vasudevan, S., Rao, C.N.R., Umarji, A.M., Subba Rao, G.V. Studies on $BiCoO_3$ and $BiCo_{1-x}Fe_xO_3$ 9−64956
Vasudevan, S., Vasan, H.N., Rao, C.N.R. PES study of spin-state transitions in d^6 transition metal complexes and oxides 9−100014
Vasudevan, S. *see* Rao, C.N.R. 9−78839
Vasylyak, Ya.P. *see* Khalilev, V.D. 9−94913
Vasyukov, V.N., Lukin, S.N., Tsintsadze, G.A. Influence of distortion of the immediate environment on the sign of the parameter representing the initial splitting of a spin multiplet of a parametric impurity ion 9−65720
Vasyuta, B.M., Kos'yanenko, V.A., Kokin, V.V., Luk'yanchikova, V.P., Madorskii, V.L., Nemtina, O.E., Obykhova, O.I., Startsev, G.P., Tveritinov, M.P., Nikolaev, V.N. VM-3 vacuum double-beam spectrophotometer 9−75624
Vasyutin, F.A. *see* Mel'nik, M.T. 9−83184
Vasyutkin, A.M. Electric current oscillations in switching of arcs near electrodes 9−55569
Vatai, E. Rearrangement of the atomic shell during electron capture 9−75921
Vatazhin, A.B. *see* Buchin, V.A. 9−64783
Vate, J.F.van De *see* van De Vate, J.F.
Vatlina, L.P. *see* Materova, E.A. 9−96337
Vatolin, N.A. *see* Demidovich, O.V. 9−69272
Vatolin, N.A. *see* Mon'kin, V.D. 9−51549
Vats, H.O. *see* Chandra, H. 9−53642
Vats Hari Om *see* Hari Om Vats
Vaucher, B. *see* Tran, M.T. 9−93665
Vauclair, G., Fontaine, G. Convective mixing in helium white dwarfs 9−71018
Vauclair, G. *see* Greenstein, J.L. 9−96998
Vauclin, M. Modelling mass and heat transfer between the ground and the atmosphere 9−84403
Vaucouleurs, A.de *see* de Vaucouleurs, A.
Vaucouleurs, G.de *see* de Vaucouleurs, G.
Vaucouleurs, G.De *see* De Vaucouleurs, G.
Vauge, C. Simulation and cost of photovoltaic generators 9−61975
Vaughan, A. *see* Kemp, D. 9−72076
Vaughan, C.M., Walker, H.F. A safeguards and cost effective alternate to biannual uranium physical inventories 9−85750
Vaughan, D.J. *see* Craig, J.R. 9−60482
Vaughan, E.D., Jr. *see* Keim, H.J. 9−79635
Vaughan, E.U. Simple model for plugging of ducts by aerosol deposits 9−49782
Vaughan, G.J. *see* Briscoe, F. 9−49789
Vaughan, H.G., Jr. *see* Arezzo, J. 9−96533
Vaughan, M.T., Weidner, D.J. The relationship of elasticity and crystal structure in andalusite and sillimanite 9−60422
Vaughan, O.H., Jr., Vonnegut, B. Thunderstorm and lightning observations from Space Shuttle 9−58078
Vaughan, R.D., Wolff, P.H.W. Future plans for the design and construction of fast reactor power stations in the United Kingdom 9−97802
Vaughan, R.D. *see* Moore, J. 9−63715
Vaughan, R.W. *see* Nicol, A.T. 9−95655
Vaughan, R.W. *see* Reimer, J.A. 9−61245
Vaughan, W.E. *see* Gaither, R.L. 9−95706
Vaughan, W.E. *see* Warchol, M.P. 9−90503
Vaughan, W.W. *see* Bilbro, J.W. 9−66812
Vaughan Watkins, R.S., Williams, E.M. An appraisal of glow discharge treatment of copper surfaces by the techniques of electron stimulated desorption 9−65964
Vaughn, J.G. *see* Perry, C.H. 9−73691
Vaughn, M.T. Massless fermion representations in grand unified gauge theories 9−97553
Vaurio, J.K., Mueller, C. A fast integral model for the transient analysis of a melting fuel pin 9−54552
Vause, R.F. *see* Havner, K.S. 9−77671
Vautherin, D. *see* Grammaticos, B. 9−93543
Vautier, C., Ranc, G., Protin, L. Influence of the preparation conditions on some properties of SiO_2 films 9−87176
Vautier, C. *see* Lhermitte, C. 9−82557
Vautrey, L. *see* Benmergui, A. 9−97798
Vavasour, E. *see* Lee, G. 9−56009
Vavilov, V.O., Tanaseichuk, S.Yu., Upadyshev, A.B., Shabanova, O.S., Shiryaev, V.V. Comprehensive approach to the design of thermal inspection systems of soldered joints 9−91897
Vavilov, V.P. *see* Storozhenko, V.A. 9−79206
Vavilov, V.S., Ermakov, O.N., Sushkov, V.P., Chukichev, M.V. Radiative recombination at isoelectronic centers in $In_{1-x}Ga_xP$ and $Ga_{1-y}Al_yP$ solid solutions 9−52027
Vavra, F. Influence of metallic impurities on defect production and recovery in niobium neutron-irradiated at 4.6K 9−55790
Vavra, G. Modulus of elasticity of α-zirconium 9−57034
Vavra, J., Shapiro, S. Performance of the PWC cluster logic trigger in LASS 9−76262
Vavrda, J. On the zero deviation of an X-ray one-circle-goniometer 9−58854
Vavrek, A., Simov, S., Kalitzova, M. Thermally stimulated contact potential difference as a possibility to determine the energy position of semiconductor surface levels 9−99601
Vavrik, I. *see* Bocek, V. 9−71516
Vavruch, I. Geometry of models of liquids 9−86963
Vavrukh, M.V. Partition function of the hydrogen system in the metallic state 9−73458
Vavryshchuk, Ya. *see* Alikov, B.A. 9−75919
Vavryshuk, Ya., Zhuk, V., Ion-Mikhan, R., Krupa, E., Lieuren, G.I., Malikov, M.M., Muminov, T.M., Tan'ska-Krupa, V., Kholbaev, N. Gamma-gamma angular correlations in ^{151}Gd 9−49597
Vawter, D.L., Fung, Y.C., West, J.B. Constitutive equation of lung tissue elasticity 9−96595
Vawter, R. Entropy state of a multiple choice examination and the evaluation of understanding 9−58457
Vayaki, A. *see* Barnham, K.W.J. 9−85293
Vayaki, A. *see* Blietschau, J. 9−93396
Vayo, V.W. *see* Chandran, K.B. 9−92281
Vayonakis, C.E. On mass relations and renormalization effects in grand unified theories 9−49436
Vayonakis, C.E. *see* Hadjioannou, F.T. 9−75711
Vayonakis, C.E. *see* Lahanas, A.B. 9−63384
Vayrynen, J., Aksela, S. A cylindrical-mirror electron spectrometer for studies of gases and metal vapours 9−63326
Vayrynen, J. *see* Aksela, H. 9−50089
Vaz, C.M. *see* Lobo, P.C. 9−62023
Vaz, F., Santhanam, K.S.V. Mixed system electrochemiluminescence involving a nucleoside or a nucleotide 9−88046
Vaz, N.A.P., Doane, J.W., Neubert, M.E. Polymorphism in a lamellar liquid-crystal bilayer system 9−60270
Vaz, W.L.C., Austin, R.H., Vogel, H. The rotational diffusion of cytochrome b_5 in lipid bilayer membranes. Influence of the lipid physical state 9−83693
Vazhenin, V.A., Gorlov, A.D., Zolotareva, K.M., Potapov, A.P., Rokeakh, A.I., Sherstkov, Yu.A. Electron spin resonance of Fe^{3+} ions in lead germanate 9−95639
Vazhentsev, Yu.G. Strength of some brittle materials in the three-axial stress state 9−66134
Vazina, A.A. *see* Gimanov, V.P. 9−53288
Vazquez, G.J., Gouyet, J.-F. SCF CI calculation on HCN: H-CN dissociation curves 9−100405
Vazquez, L. Classical nonlinear scalar fields 9−97218
Vazquez, M. *see* Hernando, A. 9−91246
Vazquez-Lopez, C., Sanchez-Sinencio, F., Helman, J.S., Pena, J.L., Lastras-Martinez, A., Raccah, P.M., Triboulet, R. Study of the interface changes during operation of nCdTe-electrolyte solar cells 9−100525
v.d. Borden, B. *see* Meij, S.H. 9−70710
Vdolecek, K. *see* Feist, I. 9−63873
Vdovchik, E. *see* Levina, T.G. 9−96873
Vdovichenko, V.D. Spectrophotometry of Jupiter $\lambda\lambda$0.6-1.1 μm. Brightness distribution and optical parameters of the atmosphere in the tropical and temperate belts of Jupiter 9−92715
Vdovichenko, V.D. Spectrophotometry of Jupiter at $\lambda\lambda$0.6-1.1 μ. Brightness distribution and optical parameters of the atmosphere in the equatorial belt of Jupiter 9−96960
Vdovin, A.I., Stoyanov, Ch., Yudin, I.P. Distribution of the strengths of M1-transitions in spherical nuclei at high excitation energies 9−75895
Vdovin, A.I. *see* Ponomarev, V.Yu. 9−75947
Vdovin, A.V., Smol'yakov, A.V. Diffusion of polymer solutions in a turbulent boundary layer 9−68685
Vdovin, Yu.A. *see* Atoyan, V.V. 9−91893
Veal, B.W., Lam, D.J., Westlake, D.G. X-ray photoemission spectroscopy study of zirconium hydride 9−69958
Veblen, D.R., Buseck, P.R. New ordering schemes in mixed-chain silicates 9−99142
Vecchia, A.La *see* La Vecchia, A.
Vecchia, P.di *see* di Vecchia, P.
Vecchia, P.Di *see* Di Vecchia, P.
Vecchio, G.Lo *see* Lo Vecchio, G.
Vecchio, R.M.Del *see* Del Vecchio, R.M.
Veccia, S.S.C. *see* Montano, F. 9−75567
Vechten, J.A.Van *see* Van Vechten, J.A.
Veck, N.J. *see* Parkinson, J.H. 9−96979
Vecli, A. *see* Bucci, C. 9−57210
Vector, H.D., Jr. On criticality problems in energy dependent neutron transport theory 9−54466
Vedam, K., Limsuwan, P. A critical evaluation of equations of state by piezo-optic measurements 9−78650
Vedam, K. *see* Hennessey, P. 9−56764
Vedam, K. *see* Vikram, C.S. 9−50245, 9−54210, 9−86266, 9−89869
Vedan, M.J. *see* Verma, P.D.S. 9−72900
Vedder, J.F. *see* Inn, E.C.Y. 9−58014
Vedeneev, V.S. *see* Nikolaev, V.A. 9−97941
Vedeneeva, G.V., Zasavitskii, I.I., Koloshnikov, V.G., Kuritsyn, Yu.A., Shotov, A.P. Pulsed $Pb_{0.955}Sn_{0.045}Se$ laser for high-resolution NH_3 spectroscopy 9−64252
Vedenev, S.I. *see* Belenov, E.M. 9−51727
Vedenicheva, I.P. *see* Kolesnik, L.N. 9−75275
Vedenkina, N.S. *see* Fed'Kina, V.R. 9−79452
Vedenkov, V.S. *see* Aparin, V.P. 9−53302
Vedenov, A.A., Markin, O.A. Propagation of intense laser radiation in an absorbing medium 9−59752
Vedenov, A.A. *see* Bobrovskii, A.N. 9−68386
Vedernikov, A.O., Kamardin, N.B. Effect of mechanical bonds on photographic emulsion layers 9−67410
Vedernikov, A.O., Lyando, V.A. Desensitizing action of a secondary iodide 9−58820
Vedernikov, M.V., Abarenkov, I.V., Korobova, I.L., Marton, J. On calculation of thermopower of group I metals 9−65449
Vedernikov, M.V., Burkov, A.T. Present state of experimental knowledge on thermopower of metals at high temperatures−above 77K 9−65442
Vedernikov, M.V., Dvunitkin, V.G., Zhumagulov, A. The thermopower of metallic binary continuous solid solutions 9−65445
Vedernikov, M.V., Dvunitkin, V.G., Zhumagulov, A. Rules governing the behavior of the electrical resistivity and thermoelectric power of systems of binary continuous solid solutions of metals 9−69492
Vedernikov, V.V., Nikolaevskii, V.N. Mechanics equations for porous medium saturated by a two-phase liquid 9−94699
Ved'manov, G.D., Neshov, F.G., Puzanov, A.A., Urmanov, A.R. Determining stopping powers from spectra of backscattered ions 9−97959
Vedrenne, G. *see* Mandrou, P. 9−62901
Vedrenne, Zh. *see* Kuznetsov, A.V. 9−80371
Vedrine, A., Trottier, D. The crystal structure of $BaCaLu_2F_{10}$ 9−69084
Vedrine, A., Trottier, D., Cousseins, J.C. Crystal structure of Li_2CaUF_8 9−77574
Vedrine, A. *see* Boulon, G. 9−78746
Vedrine, J.C. *see* Candy, J.-P. 9−69348
Vedrine, J.C. *see* Duc, T.M. 9−100020
Vedrinne, J.F. *see* Teste Du Bailler, A. 9−89454
Vedrinskii, R.V., Mamaev, L.K., Shipatov, E.T., Fesenko, E.G. Influence of polarisation of lead titanate on channeling of helium ions 9−99258
Vedyaev, A.V., Shilov, V.E. To the theory of low-temperature and frequency dependence of the extraordinary kinetic effects in ferromagnets 9−91408
Vedyaev, A.V., Usmanov, M.Kh. Scattering of electrons by fluctuations of the magnetic moment near the Curie points 9−73502
Veeken, J.P.M.Van der *see* Van der Veeken, J.P.M.
Veeman, W.S. *see* van Os, J.W.M. 9−58762
Veen, A.van *see* van Veen, A.
Veen, A.J.van *see* van Veen, A.J.
Veen, A.Van *see* Van Veen, A.
Veen, G.van *see* van Veen, G.
Veen, J.F.Van Der *see* Van Der Veen, J.F.
Veen, N.J.A.Van *see* Van Veen, N.J.A.
Veena *see* Gupta, A.K. 9−82371
Veenboer, J.T. *see* Brinkman, G.A. 9−85858
Veenenbos, A.J. *see* Vermeer, A. 9−76179
Veenvliet, H., van Opdorp, C., Tijburg, R.P., Andre, J.-P. Growth and characterization of MO/VPE double-heterojunction lasers 9−98391
Veenvliet, H. *see* van Opdorp, C. 9−98369
Veer, P.Van der *see* Van der Veer, P.
Veerabhadra Rao, P. *see* Syamala Rao, B.C. 9−83328
Veeraiah, T. *see* Sahu, K.C. 9−99289
Veeresham, P., Subba Rao, U.V., Babu, V.H. Radiation hardening studies in KCl-KBr mixed crystals 9−99238
Veerraju, B. *see* Rao, A.L.J. 9−57326
Veevers, J.J. *see* Roots, W.D. 9−79781
Vega, H.J.de *see* de Vega, H.J.
Vega, J.M. *see* Pena Bernal, J.J. 9−97163
Vegh, L. On the elastic pd and quasifree A(p,Nd)B scattering at intermediate energies 9−80834
Veglia, F. *see* Lovisolo, D. 9−53095
Vehanen, A., Yli-Kauppila, J., Hautojarvi, P., Mikhalenko, V.S. A positron study of deformed NiGe alloy 9−56882
Vehanen, A. *see* Dlubek, G. 9−99972
Vehanen, A. *see* Hautojarvi, P. 9−55785
Vehanen, A. *see* Nieminen, R.M. 9−61464
Vehoff, H., Neumann, P. In situ SEM experiments concerning the mechanism of ductile crack growth 9−61695
Vehrenkamp, R., Schatzel, K., Pfister, G., Fedders, B.S., Schulz-DuBois, E.O. A comparison between analog LDA, photon correlation LDA and rate correlation techniques 9−50828
Veiko, V.P. Contour-projection method for laser processing of materials 9−91825
Veillard, A. *see* Rossi, A. 9−98241
Veilleux, L.A. *see* Carr, P.H. 9−51409

Veinberg, A.Ya. *see* Chupriyanova, N.Ye. 9—92162
Veinger, A.I. Contact with a negative differential capacitance in the form of a hot-carrier p-n junction 9—69590
Veinger, A.I., Gnilov, S.V., Sargsyan, M.P. Current-voltage characteristics of a p-n junction with hot carriers 9—91135
Veinger, A.I., Gvardzhaladze, L.K. Characteristics of double injection in a semiconductor under high voltages 9—51590
Veinger, A.I., Gvardzhaladze, L.K. Distribution of injected carriers in n-type germanium subjected to high voltages 9—56239
Veinger, A.I. *see* Akopyan, E.A. 9—51661
Veinger, A.I. *see* Vainer, V.S. 9—69716
Veis, A.N., Kaidanov, V.I., Nemov, S.A. Electrical and optical properties of thallium-doped lead selenide at high temperatures 9—60854
Veis, A.N., Lashkareva, L.S., Nemov, S.A. Investigation of the dispersion law of p-type lead sulfide 9—95314
Veis, S. *see* Cernak, M. 9—64930
Veispals, A.A. Thermodynamic investigations of the chemical transport of tungsten trioxide 9—69990
Veit, E.A. *see* Maris, T.A.J. 9—93621
Veit, W. *see* Dangelmayr, G. 9—53992
Veith, H. On the influence of temperature and frequency on fatigue softening of structural steels 9—61614
Vejbor, P. *see* Keprt, J. 9—72534
Veje, E. *see* Andresen, B. 9—50127, 9—86060
Veje, E. *see* Engstrom, L. 9—89645
Veje, E. *see* Snowdon, K.J. 9—52063
Vejux, A. *see* Armanet, F. 9—79165
Vekhov, A. *see* Yurij, C. 9—52049
Vekilov, Yu.Kh. *see* Altshuler, A.M. 9—99110
Vekinis, G. *see* Kopp, J. 9—56201
Vekshin, N.L. *see* Dobretsov, G.E. 9—70529
Veksler, G.I. *see* Il'in, A.A. 9—99274
Veksler, N. Representation of the Clifford group on the set of unidimensional representations of the group itself 9—54281
Veksler, V.I. *see* Belykh, S.F. 9—74046
Veksler, V.I. *see* Tsipinyuk, B.A. 9—100013
Veksler, Yu.G., Sorokin, V.G., Lesnikov, V.P., Belykh, Yu.A. Effects of heat treatment on the properties of ZhS6U alloy in high-velocity gas streams at working temperatures 9—57025
Vekstein, G.E. Radiation instability of multicomponent plasma and formation of heavy-ion clusters 9—64849
Vekua, L.V., Dzotsenidze, N.M., Pavlenishvili, Ye.Sh., Asanidze, B.Z., Sologashvili, J.Z., Kakuliya, V.K. Paleomagnetism of the Neogene-Quaternary Volcanogenic formations of the Dzhavakhet highland 9—74834
Velarde, M.G., Antoranz, J.C. Phase transition picture of the Soret-driven convective instability in a two-component liquid layer heated from below 9—77110
Velarde, M.G., Ibanez, J.L. Periodic solutions and multiple steady states in reaction-diffusion systems 9—54082
Velarde, M.G., Zuniga, I. Thermoconvective instabilities of nematic liquid layers: new theoretical predictions 9—77500
Velarde, M.G. *see* Antoranz, J.C. 9—68725
Velarde, M.G. *see* De La Rubia, J. 9—52623
Velarde, M.G. *see* Fairen, V. 9—66279
Velasco, V.R., Garcia-Moliner, F. Dynamical and thermodynamical properties of elastic surface waves at hexagonal surfaces and interfaces 9—69338
Velasco, V.R., Garcia-Moliner, F. Surface effects in elastic surface waves 9—90171
Velasco, V.R., Yndurain, F. Lattice vibrations at (111) surfaces and stacking faults in transition metals: Ni 9—86974
Velazco, J.E., Kolts, H.E., Setser, D.W. Quenching rate constants for $Ar(^3P_2)$, $Kr(^3P_2)$ and $Xe(^3P_2)$ by halogen-containing molecules, and branching ratios for XeF and KrF formation 9—63953
Velazco, J.E. *see* Kolts, J.H. 9—100344
Velchev, C.I. *see* Enikova, M.M. 9—54253
Velchev, N.B., Smirnov, N.D. Interface states and carrier mobility in gamma irradiated MOST structures 9—73593
Veld, G.H.In't *see* In't Veld, G.H.
Velde, Ch.Vander *see* Vander Velde, Ch.
Velde, J.te *see* te Velde, J.
Velde Wilquet, C.Vander *see* Vander Velde Wilquet, C.
Velde-Wilquet, C.Vander *see* Vander Velde-Wilquet, C.
Veldkamp, J.D.B. Effective properties of polyphase materials 9—81728
Veldkamp, J.D.B., Hattu, N. On the fracture toughness of brittle materials 9—96133
Velia, W. *see* McInturff, A.D. 9—68088
Velichanskii, V.L., Zibrov, A.S., Kargopol'tsev, V.S., Molochev, V.I., Nikitin, V.V., Sautenkov, V.A., Kharisov, G.G., Tyurikov, D.A. Minimum line width of an injection laser 9—68396
Velichko, A.A. *see* Ibragimov, R.Sh. 9—88953
Velichko, G.I. *see* Babenko, S.D. 9—95906
Velichko, G.V., Sheinis, E.G., Abramkina, I.V., Denisova, N.E. Development of analysis methods for the main drainage water contamination [cinematography] 9—89023
Velichko, L.D. *see* Vigak, V.M. 9—59904
Velikanov, A.G. *see* Bashkin, A.S. 9—89902
Velikanov, A.V. *see* Reikhart, V.A. 9—87777
Velikanov, G.A., Volkov, V.Ya. Diffusion of water through the narrow pores of biomembranes 9—92194
Velikhov, E.P., Glukhikh, V.A., Gur'ev, V.V., Kadomtsev, B.B., Kolbasov, B.N., Kotov, V.V., Monoszon, N.A., Netecha, M.E., Orlov, V.V., Pistunovich, V.I., Ulasevich, V.K., Churakov, G.F., Shatalov, G.E. Tokamak-type thermonuclear hybrid reactor for the production of fission fuel and electric energy 9—71954
Velikhov, E.P., Glukhikh, V.A., Gur'ev, V.V., Kadomtsev, B.B., Kolbasov, B.N., Kotov, V.V., Monoszon, N.A., Netecha, M.E., Orlov, V.V., Pistunovich, V.I., Ulasevich, V.K., Churakov, C.F., Shatalov, G.E. Fusion-fission hybrid Tokamak reactor for the production of fissile fuel and electric energy 9—76122
Velikhov, E.P., Letokhov, V.S., Makarov, A.A., Ryabov, E.A. Isotope separation by multiphoton dissociation of molecules with high-power CO_2 laser radiation. I. Practical methods 9—89802
Velikhov, E.P., Vlasov, V.P., Volkov, V.G., Kolbasov, B.N., Murav'ev, E.V., Nedoseev, S.L., Rudakov, L.I., Rybakov, L.A., Ryutov, V.D., Tsygankov, E.A., Chernukha, V.V. Preliminary analysis of schemes of pulsed thermonuclear reactors operating with relativistic electron beams 9—71955
Velikodnyi, A.I. Influence of the domain structure on the Mossbauer absorption spectrum 9—69758
Velikotnyi, M.A. *see* Anitropova, I.L. 9—98300
Velinov, P. Profiles of ionization of low-energy solar and magnetospheric particles in the ionosphere 9—53625
Velinov, P.I. Relationships between seasonal absorption courses of medium and short waves and dynamics in the strato-mesosphere 9—58149
Velinov, P.I. Relationships between seasonal absorption course of long radiowaves and winds in planetary strato-mesosphere 9—62645
Velinov, V. *see* Vitkova, S. 9—65334
Veljkovic, Z.V. *see* Urosevic, V.V. 9—57236
Velkley, D.E., Oliver, G.D., Jr. Stereophotogrammetry for the determination of patient surface geometry 9—62330
Velkoff, H.R., Godfrey, R. Low-velocity heat transfer to a flat plate in the presence of a corona discharge in air 9—77112
Vella, E.N. *see* Abrams, G.S. 9—89149, 9—89174
Vella, G. *see* Castiglia, F. 9—71880
Vella-Coleiro, G.P., Hagedorn, F.B., Blank, S.L., Luther, L.C. Coercivity in 1.7 μm bubble garnet films 9—78459
Veller, M.E. *see* Blank, V.D. 9—74147
Veller, M.V. *see* Novikov, I.I. 9—57001
Velmre, E., Freidin, B. Numerical analysis of forward-biased diode structures based on direct-gap semi-conductors 9—65542
Velmurugan, D., Parthasarathy, S., Parthasarathi, V. A statistical method for selecting reflections for Bijvoet difference measurement in crystals with heavy atoms 9—50923
Velo, G. *see* Ginibre, J. 9—49103, 9—63061, 9—80501, 9—84994, 9—84995
Velter-Stefanescu, M. *see* Grosescu, R. 9—58763
Vel'tishchev, N.F., Zhelnin, A.A. Numerical modeling of nuclear convection in different fluids 9—68695
Veltman, M. *see* 't Hooft, G. 9—75682
Veltrusky, I. *see* Biegala, L. 9—78379
Velu, E., Renard, J.P., Corbel, G. Effect of impurities on the Neel temperature and spin-flop field in the quasi 1D antiferromagnet $CsMnCl_3.2H_2O$ 9—61099
Veluchamy, V. Medical ultrasound and its biological effects 9—96614
Veluswami, M.A. *see* Muthuveerappan, G. 9—81782
Velyus, L.M., Gol'dshtein, N.L., Gomayurov, A.I., Grechishnyi, V.V., Shtutman, M.N. Statistical basis for utilizing ionization effect of back β-scattering to analyze iron ores for iron content 9—52824
Velzel, C.H.F. Behaviour of semiconductor diode lasers in optical feedback 9—76689
Velzel, C.H.F., Brouwer, R.P. Output power and coherence length of stripe-geometry double-heterostructure semiconductor lasers in incoherent feedback 9—98412
Ven, T.G.M.van de *see* van de Ven, T.G.M.
Ven-Chung Lee, How-Sen Wong Surface states of one-dimensional semi-infinite crystals with square-well potentials 9—82652
Venable, W.C., Miller, D.M., Yopp, J.H., Zimmerman, J.R. Pulsed NMR study of water in an obligately halophilic blue-green alga 9—96526
Venables, J.A. *see* El Gomati, M.M. 9—85204
Venables, J.D., McNamara, D.K., Chen, J.M., Sun, T.S., Hopping, R.L. Oxide morphologies on aluminum prepared for adhesive bonding 9—70203
Venables, J.D. *see* Viswanadham, R.K. 9—79099
Vendik, O.G., Petov, A.Yu. Differential operator for the nonlocal relation between current and field in a type I superconductor 9—69637
Vendl, A. On the nitride chemistry of the transition metals 9—90622
Vendramin, I. *see* Gatto, R. 9—71690
Vendramini, A. *see* Degiorgio, V. 9—55413
Venediktov, Ye.A. *see* Krasnovskii, A.A., Jr. 9—50058
Veneklasen, L.H. *see* Todd, G. 9—75663
Venema, W.J., Griessen, R., Skriver, H., Walker, E. Volume dependence of the Fermi surface of Pd 9—65365
Venema, W.Z. *see* Janssens, R.V.F. 9—76264
Venetskii, V.L. *see* Kukhtarev, N.V. 9—86137
Venevtsev, Yu.N. *see* Bush, A.A. 9—51913, 9—87402
Venevtsev, Yu.N. *see* Ivanov, S.A. 9—61318, 9—65156
Venevtsev, Yu.N. *see* Leichenko, A.I. 9—73886, 9—99841
Venevtsev, Yu.N. *see* Okonenko, S.A. 9—69789
Venevtsev, Yu.N. *see* Petrosyan, A.M. 9—87397
Venevtsev, Yu.N. *see* Protasov, E.A. 9—73623
Venevtsev, Yu.N. *see* Volkov, A.F. 9—82891
Veneziano, G. *see* Amati, D. 9—54310
Veneziano, G. *see* Konishi, K. 9—63455, 9—93346
Vengalis, B.J., Kastalskii, A.A. A heterosphase state with nonuniform free-carrier distribution in GeTe 9—56798
Vengalis, B.Yu. On the γ phase of GeTe 9—99317
Vengalis, B.Yu., Kastal'skii, A.A. Optical investigation of a heterophase state of GeTe 9—69845
Venghaus, H. Valence-band parameters and g factors of cubic zinc selenide derived from free-exciton magnetoreflectance 9—73905
Venghaus, H., Dean, P.J. Shallow acceptor bound exciton and free exciton states in high-purity zinc telluride 9—99941
Venghaus, H. *see* Tews, H. 9—61439, 9—78750
Vengurleka, A.S. *see* Gangal, A.D. 9—49537
Venier, J.P., Palvadeau, P., Schleich, D., Rouxel, J. Vanadium (III) oxychloride: magnetic, optical and electrical properties; lithium and molecular intercalations 9—95402
Venikov, N., Latushkin, S., Rezvov, V., Unezhev, V., Hodakov, E., Chumakov, N., Judin, L., Jupinov, Ju. Heavy ion acceleration in the Kurchatov Institute Cyclotron 9—54651
Venikov, N.I. *see* Baldin, A.M. 9—72125
Venitskii, V.N., Eremenko, V.V., Matyushkin, E.V. Optical detection of the scattering of homogeneous precession of the magnetization by defects in a $Y_3Fe_5O_{12}$ single crystal 9—69728
Venkatachalam, T.K. *see* Rajendran, T. 9—57325
Venkatachalapathi, Y.V., Balaram, P. An incipient 3_{10} helix in Piv-Pro-Pro-Ala-NHMe as a model for peptide folding 9—100568
Venkatachari, R., Saha, A.K. Upper limit of electron-neutral collision frequency in E- and F-layers 9—84573
Venkatapathi Raju, K. *see* Lakshmana Rao, S.K. 9—77069
Venkataraman, B. *see* Kasthuri Rengan, S. 9—93188
Venkataraman, G. Improved techniques for the preparation of thin metallic foils used in TEM 9—91885
Venkataraman, G. Improved technique for the preservation of foils used in TEM 9—96263
Venkataramana, J., Maiti, M., Srinivasan, R.K. Vibration of rectangular plates with time-dependent boundary conditions 9—68625
Venkatarangan, P., McEwen, D.J. Electron measurements (19 keV-20 eV) in auroral events 9—62642
Venkatasubramanian, N.K. *see* Krishna Reddy, G.V. 9—81724
Venkatasubramanian, V.S. *see* Misra, N.K. 9—77819
Venkatavaradan, V.S. *see* Biswas, S. 9—80154
Venkatesan, K. *see* Achuthan, P. 9—67603
Venkatesan, P.P. *see* Manohar, S.B. 9—67789
Venkatesan, S. *see* Kunukkasseril, V.X. 9—94538
Venkatesan, T.N.C., Auston, D.H., Golovchenko, J.A., Surko, C.M. Study of surface crystallinity and stoichiometry of laser annealed GaAs using time resolved reflectivity and channeling 9—73198
Venkatesan, T.N.C., Auston, D.H., Golovchenko, J.A., Surko, C.M. Study of surface crystallinity and stoichiometry of laser-annealed GaAs using time-resolved reflectivity and channeling 9—95036
Venkatesan, T.N.C. *see* Auston, D.H. 9—69117, 9—69121, 9—78796
Venkatesan, T.N.C. *see* Gibbs, H.M. 9—61454, 9—64314
Venkatesan, T.N.C. *see* Surko, C.M. 9—69918, 9—74023
Venkatesan, T.R. *see* Goswami, J.N. 9—88608
Venkatesh, G. *see* Chandrasekhar, S. 9—86699
Venkatesh, G. *see* Shashidhar, R. 9—95138

Venkatesh, N., Polcyn, R.E., Norback, D.H. Metastatic calcification: the role of bone scanning 9—92366
Venkatesh, S. *see* Davis, E.J. 9—86526
Venkatesh, S. *see* Fitch, R.K. 9—67429
Venkateshan, S.P., Prasad, K.K. Radiative interactions in boundary layers 9—50812
Venkateswara Rao, A. *see* Patel, A.R. 9—78862
Venkateswara Rao, K. Voltammetric study of the anodic oxidation of ethyl alcohol 9—57247
Venkateswara Rao, K., Das, S.C., Roy, C.B. Electrocatalysis by alloy electrodes. I. Oxidation of formamide 9—57245
Venkateswara Rao, P., Kameswara Rao, T.V., Krishna Murty, Bh. Effects of neutron irradiation on the elastic moduli of certain Araldites 9—55804
Venkateswarlu, P. *see* Dayal, R. 9—56604
Venkateswarlu, P. *see* Jagannath, H. 9—61415
Venkateswarlu, P. *see* Jain, V.K. 9—51846, 9—51848, 9—73805
Venkatram, A. An examination of box models for air quality simulation 9—70474
Venkatram, A. On setting air quality criteria 9—79431
Venkatram, A. Estimating the convective velocity scale for diffusion applications 9—79914
Venkatramani, N. *see* Satyamurthy, P. 9—85136
Venkitachalam, P.P. *see* Sivaraman, K.R. 9—53793
Venkova, Ts. *see* Bochev, B. 9—97648
Vennart, W. *see* Andrew, E.R. 9—96632
Vennik, J. *see* De Brouckere, L. 9—61191
Vennik, J. *see* Hoogewijs, R. 9—90874
Venters, R. *see* Brauer, R.W. 9—88070
Vento, D. *see* Federer, B. 9—84542
Vento, G., Palma, M.U., Indovina, P. Concentration and isotope effects in the stability of agarose gels 9—66362
Vento, V. *see* Brown, G.E. 9—75771
Venttsel', V.A. *see* Rakhmanina, A.V. 9—73534
Ventura, E., Calarco, J.R., Chang, C.C., Diener, E.M., Mavis, D.G., Hanna, S.S., Fisher, G.A. Structure in the giant resonance region of ^{16}O observed with the reaction $^{13}C(^3He,\gamma)^{16}O$ 9—63650
Ventura, J. Scattering of light in a strongly magnetized plasma 9—62739
Ventura, J. *see* Meszaros, P. 9—85032
Ventura, L. *see* Barone, L.M. 9—80835
Venturelli, G. *see* Capedri, S. 9—57925
Venturi, G. *see* Righi, R. 9—80776, 9—97545
Venturini, E.L. ESR evidence of octahedral site occupation in ScH_x:Er 9—78512
Venudhar, Y.C., Prasad, T.R., Iyengar, L., Krishna Rao, K.V. X-ray studies on the precision lattice parameters and the coefficients of thermal expansion of Pd-Ag-Au equiatomic per cent alloy 9—99121
Venugopal, V. *see* Singh, Z. 9—60492
Venugopala Rao, P. *see* Indira, P.A. 9—49608, 9—49977
Venugopalan, M. *see* Scott, T.W. 9—83455, 9—99750
Venugopalan, S. *see* Bhatia, K.L. 9—65855
Venugopalan, S. *see* Prasad, S.N. 9—77505
Venugopalan, S. *see* Sathyanarayana, S. 9—57423, 9—96439
Veny, J.B.De *see* De Veny, J.B.
Veomett, R.C. *see* Miller, R.C. 9—57716
Veprev, A.G., Shirkovskii, V.P. Fermi surface and the heat and optical masses in vanadium 9—90943
Vera, J.C., Lefort, M.F., L'Huillier, J.P., Stoltz, J.F. Contribution to the study of blood flow by low-frequency spectral analysis of ultrasonic Doppler signals: Application to a model of permanent circulation 9—62312
Veracini, C.A. *see* Giordano, M. 9—94871
Verba, L.I., Degtyareva, E.V. Rheological and technological properties of titanium dioxide slips and the properties of the castings 9—87599
Verba, L.I. *see* Degtyareva, E.V. 9—83161
Verbaere, A. *see* Ganne, M. 9—86749
Verbaere, A. *see* Guen, L. 9—73140
Verbeck, B.H., Nieuwenhuys, G.J., Stocker, H., Mydosh, J.A. Differential susceptibility $\chi(T, H)$ of the mixed magnetic system PdFeMn 9—61169
Verbeck, S.L. *see* Kallne, J. 9—85521
Verbeek, B.H., Nieuwenhuys, C.J., Mydosh, J.A., Van Dijk, C. Inelastic neutron scattering on the spin glass: PdMn 10 at.% 9—61170
Verbeek, B.H. *see* Ching, W.Y. 9—78385
Verbeek, B.H. *see* Nieuwenhuys, G.J. 9—78368
Verbeek, H. Backscattering of ions with intermediate energies 9—96407
Verbeek, H. *see* Appleton, B.R. 9—77658
Verbeek, H.J., Van Beelen, H., de Bruyn Ouboter, R., Taconis, K.W. Third-sound pulses in doubly connected systems 9—55956
Verbeek, P.J.F., Schmidt, J. The effect of exchange between two triplet states with non-parallel eigenvectors 9—59374
Verbeek, P.W. *see* Vogel, J.A. 9—70597
Verbeure, A. *see* Pule, J.V. 9—58572
Verbeure, F. *see* de Wolf, E.A. 9—49543
Verbeure, F. *see* Givernaud, A. 9—75801
Verbiest, E. *see* Reintsema, S.R. 9—82896
Verble, J.L. *see* Wood-Anderson, G. 9—78667
Verbovetskii, A.A., Genkina, N.A., Fedorov, V.B., Shitova, E.V., Kryukova, V.N. Randomizing phase mask for recording Fourier holograms of paraphase-coded binary data 9—76639
Verbraak, C.A. Some old nucleation theories reconsidered 9—86897
Verbraak, C.A. *see* Heller, H.W.F. 9—91722
Verbraak, C.A. *see* Kneijnsberg, H.P. 9—90681
Verchery, G. *see* Labbe, P. 9—72819
Verdier, A. *see* Billan, J. 9—72049
Verdier, P.H. Monte Carlo studies of lattice-model polymer chains. IV. Equilibrium dimensions and distributions in Rouse coordinates 9—89814
Verdier, R. *see* Cutts, D. 9—85346
Verdiere, A.C.De *see* De Verdiere, A.C.
Verdone, J. *see* Hautojarvi, P. 9—55785
Verdyan, A.I., Eremenko, V.V., Litvinenko, Yu.G., Shapiro, V.V. Light absorption dichroism and magnetic configuration in weak-ferromagnetic $CoCO_3$ 9—87457
Vere-Jones, D. Earthquake prediction—a statistician's view 9—79746
Veremeenko, S.V., Kaplan, M.D. Velocity calculation of zero-symmetrical modes for vibrations in an infinite rod 9—50641
Veremeenko, S.V. *see* Kaplan, M.D. 9—100317
Veremei, V.V. *see* Kudryavtseva, A.G. 9—72656
Veremeichik, T.F., Grechyshnikov, B.N., Kalinkina, I.N. Corrections for configurational interaction for impurity ions with d^2 and d^3 configurations 9—54829
Veremeichik, T.F. *see* Grechushnikov, B.N. 9—56173
Verenkova, E.M., Zakharova, N.B., Novgorodskii, V.I., Surkova, K.I., Kozyreva, N.A., Maksimov, V.L., Medvedovskaya, E.I., Bakina, E.V. Protective properties of an inorganic coating based on phosphate binder 9—79151
Veres, K., Haskovec, C. An attempt to tritiate calf thymocytes by catalytic hydrogenation 9—88152
Vereshchagin, A.N. Determination of the stresses in composite and non-uniform bodies from the action of gravitational forces 9—64603
Vereshchagin, I.K., Seleznev, V.A. Effect of voltage on the rate of aging of electroluminophors 9—95848
Vereshchagin, I.P., Litvinov, V.E. How the variable nature of ion mobility influences corona discharge characteristics 9—50902
Vereshchagin, L.F., Khvostantsev, L.G., Skok, V.F. Thermoelectric properties of indium antimonide under high pressure up to 35 kbar 9—65505
Vereshchagin, L.F., Novokshonov, V.I., Evdokimova, V.V. Superconductivity of lutetium sesquicarbide 9—73621
Vereshchagin, M.N., Severdenko, V.P., Stepanenko, A.V., Khan Dyk Kim Effect of longitudinal ultrasonic vibrations on hydroextrusion 9—96046
Vereshchagin, V.E., Renard, E.V. Solvent-extraction equilibria in reprocessing fast-reactor uranium-plutonium fuel 9—71937
Vereshchagin, V.E., Renard, E.V. Fast-reactor uranium-plutonium extraction by equilibrium water systems with 0.15-1 M HNO_3 acidity 9—71940
Vereshchagin, V.V. *see* Bolokhov, A.A. 9—54359
Vereshchak, M.F., Zhetbaev, A.K., Ibragimov, Sh.Sh. A Mossbauer study of the effects of γ-rays and neutron irradiation on iron oxalates 9—65778
Vereshchak, V.M. *see* Lazorenko, V.I. 9—95281
Vergara, F. *see* Barral, G. 9—83385
Verge, M.J. *see* Frind, E.O. 9—84318
Vergeest, J.S.M. *see* Mazzucato, M. 9—89148
Vergeles, S.N. On the problem of θ-vacua in compact gauge theories 9—58874
Verges, J., d'Incan, J., Effantin, C., Greenwood, D.J., Barrow, R.F. Laser-excited fluorescence of gaseous Te_2 studied by Fourier transform spectrometry 9—59504
Verges, J.A., Yndurain, F. Interpretation of photoemission spectra of Cu in terms of surface density of states 9—52081
Verges, J.A. *see* Tejedor, C. 9—69409
Vergnat, P. *see* Vergnat-Grandjean, D. 9—95748
Vergnat-Grandjean, D., Vergnat, P., Gerbaux, X., Hadni, A. Infrared optical constants of ferroelectric triglycine fluoberyllate 9—95748
Vergne, R. *see* Porteseil, J.L. 9—78431, 9—82810, 9—95606
Vergnes, M.N., Rotbard, G., Flynn, E.R., Hanson, D.L., Orbesen, S.D., Guilbaut, F., Ardouin, D., Lebrun, C. ^{71}Ga and ^{73}Ga levels as observed in the (t,p) reaction 9—54392
Vergnes, M.N. *see* Lebrun, C. 9—54390
Vergunov, V.B., Vol'nov, M.I., Tyurikov, D.A. Electronic system for stabilizing the difference frequency of two lasers 9—68401
Verhaar, B.J. *see* Hermans, W.C. 9—67720
Verhaart, G.J., Brasem, P., Brongersma, H.H. Low-energy electron-impact spectroscopy on bridged [10] annulenes and other 10 π-electron systems 9—54976
Verhas, M. *see* Crouzel, C. 9—57775
Verheggen, T. Transmission coefficient and heat conduction of a harmonic chain with random masses: Asymptotic estimates on products of random matrices 9—80547
Verheij, J.W. *see* Verhulst, K. 9—68530
Verheij, L.K., Van Den Berg, J.A., Armour, D.G. Structure analysis of an oxidized nickel (110) surface using low energy ion scattering 9—82424
Verheij, L.K. *see* Armour, D.G. 9—87547
Verheij, L.K. *see* Van den Berg, J.A. 9—49338
Verheijen, A.W., Giling, L.J., Bloem, J. The region of existence of $CuInS_2$ 9—66054
Verheijen, P.J.T., Ajakaiye, D.E. Heat-flow measurements in the Ririwai ring complex, Nigeria 9—57894
Verheijke, M.L. *see* Martin, G.M. 9—56819
Verheul, H. *see* Ketel, T.J. 9—75837
Verheul, H. *see* Vis, R.D. 9—79457
Verheulpen-Heymans, N. Mechanism of craze thickening during craze growth in polycarbonate 9—91823
Verhey, L.J. *see* Loomis, W.A. 9—71757
Verhoeven, J., Los, J. The influence of an electron beam on the adsorption of CO and CO_2 onto a Ni (110) surface 9—51430
Verhoeven, J.D. *see* Finnemore, D.K. 9—78280
Verhoeven, P.A. *see* Austen, G.J.M. 9—67525
Verhoosel, J.C.M. *see* Bour, L.J. 9—100610
Verhulst, F. Discrete symmetric dynamical systems at the main resonances with applications to axi-symmetric galaxies 9—67066
Verhulst, K., Verheij, J.W. Coherence measurements in multi-delay systems 9—68530
Verie, C. *see* Weill, G. 9—82601
Verigin, M.I. *see* Gringauz, K.I. 9—80259
Veringa, F. *see* Broekhuijsen, M.L. 9—74669
Verkerk, C. On-line filtering 9—89574
Verkerk, P. Pressure dependence of the coherent dynamic structure factor of liquid argon at 120K 9—50981
Verkhovskaya, K.A. *see* Fridkin, V.M. 9—95447
Verkhovskaya, T.A. *see* Alekseev, A.G. 9—50963
Verkhovskii, S.N. *see* Krishtal, M.A. 9—87650
Verkhovtseva, E.T., Pogrebnyak, P.S. Ultrasoft X-ray emission spectrum of krypton in the region of the $M_{4,5} \rightarrow N_{2,3}$ transition 9—76377
Verkin, B.I., Getmanets, V.F., Mikhalchenko, R.S. Thermophysics of the phenomena of gradientless heat transfer in porous solid cryogens. I. Theoretical fundamentals for metallic conductivity of porous solid cryogens 9—59902
Verkin, B.I., Getmanets, V.F., Mikhalchenko, R.S. Thermophysics of the phenomena of gradientless heat transfer in porous solid cryogens. II. Theory of cryogenic liquid crystallization based on metallic conductivity of a porous network 9—59903
Verkin, B.I., Kerichenko, Y.A., Levchenko, N.M., Rusanov, K.V. Peak nucleate boiling heat flux during nitrogen pool boiling in high centrifugal acceleration fields 9—59907
Verkin, B.I., Kirichenko, Yu.A. Soviet investigations on pool boiling of cryogenic liquids 9—60494
Verkin, B.I., Kirichenko, Yu.A., Levchenko, N.M., Rusanov, K.V. Heat transfer during nitrogen boiling in the field of centrifugal forces 9—60493
Verkin, B.I., Mikhal'chenko, R.S., Pershin, N.P., Flyorov, G.N., Shchyogolev, V.A. Multilayer thermal insulation with diffraction shields 9—58732
Verkin, B.I., Yanson, I.K., Kulik, I.O., Shklyarevski, O.I., Lysykh, A.A., Naydyuk, Yu.G. Singularities in d^2V/dI^2 dependences of point contacts between ferromagnetic metals 9—60457
Verkin, B.I. *see* Sheina, G.G. 9—70507
Verleger, V.K. *see* Nizhnaya, S.L. 9—52064
Verlin, B.I., Grishchenko, V.I., Medvedev, E.M., Murinets-Markevich, B.N., Nosov, M.E., Grishina, O.A. Cryogenic technique in gynecological practice 9—57807
Verma, A.R. *see* Lal, K. 9—78868
Verma, B.G., Singh, J.B. Propagation of magnetogasdynamic spherical shock waves in an exponential medium 9—84664
Verma, B.G., Srivastava, R.C. Self-similar strong magnetogasdynamic shocks in an inhomogeneous atmosphere 9—55426
Verma, B.G., Vishwakarma, J.P. Converging cylindrical detonation waves in magnetogasdynamics 9—77265
Verma, B.G., Vishwakarma, J.P. On a plane magnetogasdynamic shock wave of variable strength 9—98813
Verma, B.K. *see* Lal, H.B. 9—56224
Verma, B.K. *see* Pratap, V. 9—69763
Verma, B.M. *see* Chaudhuri, K.D. 9—95086
Verma, G.S. *see* Singh, S. 9—60455, 9—60456, 9—77847
Verma, G.S. *see* Singh, T.J. 9—55857
Verma, H.R., Sharma, A.K., Kaur, R., Suri, K.K., Trehan, P.N. Study of the radioactive decay of Ag^{110m} 9—85401
Verma, H.R. *see* Sharma, A.K. 9—54387, 9—85400
Verma, J.S. *see* Chandra, R. 9—78125
Verma, J.S. *see* Kumar, L. 9—50860

Verma, K.M., Ghosh, H., Rai, J.S. Behaviour of materials of construction during cracking of ammonia at 600°C 9—70207

Verma, M.L., Sthapak, B.K. Effect of buoyancy and tube inclination on heat transfer in a solar air heater 9—62058

Verma, M.P. *see* Bedi, S.S. 9—87441

Verma, M.P. *see* Lehri, S. 9—55840

Verma, N.K. *see* Nayyar, V.P. 9—50392, 9—55051

Verma, P.D., Chaudhary, R.C., Rajvanshi, S.C. On the flow of a visco-elastic fluid between two rotating non-concentric cylinders for small eccentricity 9—68759

Verma, P.D.S., Vedan, M.J. Steady rotation of a sphere in a paramagnetic fluid 9—72900

Verma, R.C., Khanna, M.P. Weak hadronic decays of uncharmed baryons in SU(3)—dynamical considerations 9—75769

Verma, R.C., Khanna, M.P. Note on the nonleptonic hyperon decays in SU(3) 9—97624

Verma, R.C. *see* Kanwar, S. 9—89077, 9—97623

Verma, R.D. *see* Ghosh, S.N. 9—59483

Verma, R.Dev *see* Dev Verma, R.

Verma, R.K. *see* Mallick, K. 9—57850, 9—92618

Verma, R.L. Night vision aids for Jawans 9—72711

Verma, S.Dev *see* Dev Verma, S.

Verma, S.P., Sural, D.P. Hyperspherical harmonics method for the hypertriton and $_{\Lambda}{}^{9}$Be 9—93547

Verma, S.R., Prasad, R. Compound nucleus contributions in the differential and double differential cross-sections for ^{24}Mg(d, pγ)^{25}Mg 9—89282

Verma, V.K. *see* Garg, H.P. 9—62121

Verma, V.V. *see* Agarwal, K.N. 9—54190

Vermaak, J.S. On III-V compounds and their application in the field of semiconductor-optoelectronic devices 9—74088

Vermaak, J.S. *see* Booyens, H. 9—56725, 9—56726, 9—91377

Vermaseren, J.A.M. *see* Kane, G.L. 9—63469

Vermeer, A., Veenenbos, A.J. An improved ion source extraction system of a 3 MV Van de Graaff accelerator 9—76179

Vermeer, P.A. *see* Strijbos, S. 9—61528

Vermeil, C. *see* Fournier, J. 9—89699, 9—89700

Vermesse, J., Levesque, D. Study of three effective interactions for krypton by molecular-dynamics simulation 9—69224

Vermeulen, L.A. *see* Clark, C.D. 9—87129

Vermue, J., De Jager, C. Macro- and microturbulent filter functions for weak lines in stellar atmospheres 9—53803

Vermue, J. *see* de Jager, C. 9—75206

Verneau, A. The use of organic fluids in solar turbines 9—52885

Vernekar, K.G. *see* Gupta, R.K. 9—100901

Verneker, V.R., Raju, U.V.V. Chemistry of the incomplete decomposition of ammonium perchlorate (AP) 9—91939

Verneker, V.R.Pai *see* Pai Verneker, V.R.

Verner, A.I., Gimel'farb, F.A., Ukhorskaya, T.A. Effect of experiment geometry on the results of local X-ray analysis of heterogeneous materials 9—52819

Vernier, P. *see* Chabrier, G. 9—61489

Vernin, J. *see* Aime, C. 9—101078

Vernin, P. *see* Balestri, B. 9—75794, 9—85530

Vernon, S.M., Blakeslee, A.E., Hovel, H.J. Solar cells on large-grain GaAs thin films 9—100528

Vernov, S.N., Khristiansen, G.B., Abrosimov, A.T., Kalmykov, N.N., Kulikov, G.V., Solov'eva, V.I., Fomin, Yu.A., Khrenov, B.A. Scaling deviations and modified interaction models for ultrahigh energies 9—80172

Vernov, S.N., Kontor, N.I., Lyubimov, G.P., Pereslegina, N.P., Tverskoi, B.A., Chuchkov, E.A. The Forbush effect in the intensity of solar protons 9—80126

Verolainen, Ya.F. *see* Osherovich, A.L. 9—98042

Veron, D. *see* Bruneau, J.L. 9—72554

Veron, M.P., Veron, P. A study of the 4C catalogue of radio sources between declinations 20° and 40°. I. 318 MHz flux density measurements 9—71140

Veron, P. A tentative classification of galaxies with active nuclei 9—97071

Veron, P. *see* Veron, M.P. 9—71140

Verondini, E. *see* Malaguti, F. 9—59041, 9—63671

Veroquaux, E. *see* Sudraud, M. 9—51327

Verosub, K.L. Paleomagnetism of varved sediments from western New England: variability of the paleomagnetic recorder 9—70738

Verosub, K.L. Paleomagnetism of varved sediments from western New England: secular variation 9—70739

Verosub, K.L., Ensley, R.A., Ulrick, J.S. The role of water content in the magnetization of sediments 9—70785

Verrall, R.E. *see* Sehgal, C. 9—60437

Verschoor, G.C. *see* Crama, W.J. 9—90604

Verschoor, G.C. *see* Zandbergen, H.W. 9—69070

Verschueren, J.M.V. *see* Ulrich, B.T. 9—63276

Vershinina, L.I., Kopylov, G.A., Osipova, R.E., Pyn'ko, V.G. Use of the multiray dynamic theory of diffraction contrast to explain the nature of defects in ordered Co_3Pd films 9—64962

Vershinina, N.I. *see* Sazhin, S.S. 9—92639

Versluijs, C.W., Smit, J.A.M. Nonstationary diffusion through a membrane separating two finite volumes of stirred or unstirred solutions 9—52767

Versluis, R.M. *see* Karppinen, J. 9—71911

Versluis, R.M. *see* Temple, S.M. 9—93766

Verster, N.F. Scattering of molecules in analogy with the scattering of light 9—50104

Verster, N.F. *see* Habets, A.H.M. 9—98762

Verstraeten, K. *see* Meyer, J. 9—70628

Vertacnik, A., Strohal, P., Lulic, S. Fixation of ^{60}Co and ^{137}Cs on natural sorbents from phenol-polluted water 9—57506

Vertes, A., Leidheiser, H., Jr., Varsanyi, M.L., Simmons, G.W., Kiss, L. Mossbauer studies of the passive film formed on tin in borate buffer 9—61778

Vertes, A. *see* Leidheiser, H., Jr. 9—61269, 9—90897

Vertes, A. *see* Levay, B. 9—66325

Vertes, A. *see* Simmons, G.W. 9—61268

Vertes, P. *see* Bogdan, D. 9—67715

Vertogen, G. *see* van der Meer, B.W. 9—77510, 9—90527

Vertogradov, A.S., Zhelamkov, A.V., Ryuger, Kh., Shelkov, G.A. Model of a bipolar voltage-pulse generator 9—68131

Vertogradov, L.S., Zhelamkov, A.V., Murav'ev, B.A., Ryuger, Kh., Tom, Kh., Shelkov, G.A. Bipolar nanosecond pulse shaper 9—68166

Vertogradov, L.S. *see* Baldin, B.Yu. 9—68140

Vertoprakhov, V.V. *see* Bel'tyugov, V.N. 9—89951

Vertse, T. *see* Gyarmati, B. 9—85469

Vertsner, V.N. *see* Alekseev, A.G. 9—50963

Vervaet, E.A.Z.M. *see* Ketel, T.J. 9—75837

Vervisch, P., Terrier, M. Influence of inelastic collision between excited states on the electron energy distribution in argon 9—68902

Verweij, H. Raman study of the structure of alkali germanosilicate glasses I. Sodium and potassium metagermanosilicate glasses 9—77523

Verweij, H. Raman study of the structure of alkali germanosilicate glasses. II. Lithium, sodium and potassium digermanosilicate glasses 9—77524

Verweij, H. Raman study on glasses and crystalline compounds in the system K_3ASO_4-$KAsO_3$ 9—99862

Verweij, H., Buster, J.H.J.M., Remmers, G.F. Refractive index and density of Li-, Na- and K-germanosilicate glasses 9—51926

Verweij, J.F. *see* Hillen, M.W. 9—95206

Verwest, B.J. Field theoretical calculation of NN pion production 9—63508

VerWest, B.J. Angular dependence of $NN \rightarrow NN\pi$ cross sections and the pion form factor 9—85318

Verwolf, M.C. *see* Eliezer, I. 9—91985, 9—95183

Veryaev, A.A., Tsytovich, V.N. Resistive modulation instability 9—77378

Verzhbitskii, V.V. *see* Bursak, A.V. 9—89243

Vesela, Z. *see* Petru, F. 9—72586

Vesela, Z. *see* Petrv, F. 9—76702

Veselago, V.G. *see* Doroshenko, R.A. 9—99726

Veselago, V.G. *see* Tsurkan, V.V. 9—69672, 9—73517

Veseleya, O.G., Yakovlev, V.V. Approximation by polynomials of the solution of problems of diffraction of surface gravity waves at an underwater axisymmetric obstacle 9—77143

Veselko, J. Anisothermic oxidation of CMn steels 9—66195

Veselnitskii, I.M., Ignatev, Y.D., Melnikova, S.M., Fromberg, A.B. Construction and operating characteristics of spectral lamps of the LSP type 9—50364

Veselov, D.V., Sakharov, I.E., Shatalin, S.V. Suppression of a plasma instability in an argon ion laser by a helium admixture 9—64204

Veselov, K.E. Geophysical effects of a corpuscular model of the gravitational field 9—62427

Veselov, M.G., Rekashova, T.N. The extended LCAO-method (H_2^+-calculations) 9—93922

Veselov, V.P. *see* Sergeyev, V.L. 9—77103

Veselova, G.V. *see* Voronov, S.A. 9—76267

Veselova, T.V., Reznikova, I.I., Cherkasov, A.S. Luminescence quenching and formation of exciplexes during the interaction of phthalamide derivatives with aromatic amines 9—87848

Veselovskii, A.V., Anisimov, A.N., Luk'yanenko, V.L. Synthesis of stereoscopic imaging which allows for real positioning of operator's head 9—64391

Veselovskii, R.A. *see* Umanskii, E.S. 9—52500

Veselovskii, V.A. *see* Pogosyan, S.I. 9—70534

Veselovskiy, I.S. Evolution of strong inhomogeneities in the solar-wind plasma 9—53694

Vesely, D. *see* Louchet, F. 9—82227

Vesely, F.J. *see* Neumann, M. 9—77470

Veseth, L. On the Zeeman effect of $^2\Pi$ states in diatomic molecules 9—98149

Veseth, L. *see* Grimeland, B. 9—97981

Veshchunov, M.S. Scattering of light in cholesteric liquid crystals 9—77517

Veshchunov, Yu.P. *see* Baranov, P.G. 9—65733, 9—99793

Veski, A.Yu. *see* Mikk, I.R. 9—98710

Vesnaya, T.M., Gribkova, N.Ya., Kozlov, P.V. The process of film formation and the properties of films of copolymer organodispersions of vinyl chloride with vinyl acetate in homologous series of normal paraffins 9—52150

Vesnin, Yu.I., Zakoryashin, S.P. About the decay of solid solutions KCl-NaCl 9—90760

Vesnina, V.A., Petrova, G.K. Microinterferometer with increased resolution 9—71519

Vessot, R.F. *see* Levine, M.W. 9—55098

Vessot, R.F.C., Levine, M.W. A test of the equivalence principle using a space-borne clock 9—49152

Vestergombi, G. *see* Birulev, V.K. 9—67547

Vetchinkin, A.N. *see* Peshkov, V.P. 9—88907

Vetchinov, A.V. *see* Galkin, A.A. 9—87320

Veteikis, V.-I.I. *see* Shirvaitis, A.I. 9—56336

Vetelino, J.F. *see* Carr, P.H. 9—51409

Vetelino, J.F. *see* Harmon, D. 9—56061

Vetelino, J.F. *see* Jhunjhunwala, A. 9—56064

Vetelino, J.F. *see* Massa, N.E. 9—99260

Vetelino, J.F. *see* Morency, D.G. 9—56056

Veter, V.V. *see* Timakova, G.P. 9—61190

Vetesnik, M. Photometric and spectroscopic investigation of a new carbon star in the auriga region 9—84791

Vetlutskii, V.N., Muchnaya, M.I. Viscous flow in hypersonic nozzles 9—64733

Vetokhin, S.S. Effect of image contrast on signal/noise ratio of one-electron dissector 9—50407

Vetrov, A.N. *see* Pogrebnyak, A.D. 9—91769

Vetrov, N.Yu., Bozhenko, V.V., Korshak, B.A., Lyamov, V.E., Solodov, I.Yu. Acoustic scanning and storage of optical images with oppositely directed surface waves 9—55238

Vetrov, V.S., Kalyazin, E.P., Korolev, V.M. Some characteristics of the high temperature n, γ-radiolysis of methanol 9—61890

Vetryak, V.I., Knorring, V.G. Action of noise on period transducers 9—88944

Vettegren', V.I. *see* Leksovskii, A.M. 9—57106

Vettegren', V.I. *see* Vorob'ev, V.M. 9—57107

Vetter, A.M., Lyneis, C.M., Schwettman, H.A. Dependence of multi-pass breakup on accelerator parameters 9—68017

Vetter, J. *see* Metz, H. 9—56693

Vetter, R. *see* Cahuzac, P. 9—93954

Vetter, R. *see* Picque, J.L. 9—89973

Vetter, T. *see* Hahn, K. 9—87335

Vetter, T. *see* Reyher, H.J. 9—73812

Vetterling, W.T., Andelman, M. Comments on: undergraduate experiment on noise thermometry 9—62959

Vettermann, R. *see* Kirchner, K. 9—52630

Veuro, M.C. A double bundle nuclear demagnetization refrigerator for cooling ^{3}He 9—49236

Veuro, M.C. *see* Ahnonen, A.I. 9—51362

Veuro, M.C. *see* Ahonen, A.I. 9—56000, 9—58704

Vevai, J.E. *see* Honeywell, W.I. 9—50802

Veverka, A. Electric field of a charged circular ring 9—64142

Veverka, A. Electric field of a ring system 9—81321

Veverka, J. *see* Gierasch, P. 9—75133

Veverka, J. *see* Morrison, D. 9—96951

Veyssie, J.J. *see* Garoche, P. 9—65680

Veyssiere, P., Rabier, J., Garem, H. Transmission electron microscope observation of the {001} ⟨110⟩ glide system in spinel nickel ferrite at room temperature 9—90660

Veyssiere, P. *see* Rabier, J. 9—90658

Vezjak, M. *see* Gyergyek, L. 9—83958

Vezzoli, G.C. Sustaining and decaying of the on state of niobium dioxide 9—95454

Vi-Duong Dang, Steinberg, M., Fillo, J., Isaacs, H.S., Lazareth, O., Powell, J.R., Salzano, F.J. Hydrogen production from high temperature electrolysis and fusion reactor 9—52915

Via, G.H., Sinfelt, J.H., Lytle, F.W. Extended X-ray absorption fine structure (EXAFS) of dispersed metal catalysts 9—91530

Via, G.H. *see* Lytle, F.W. 9—72256

Viaggi, F. *see* Deninno, M.M. 9—79705

Vial, B., Thevenin, M., Guidez, J., Sauvage, M., Schaller, K. The primary circuits of Phenix and Super-Phenix 9—97780

Vial, B. *see* Robin, M.G. 9—97789

Vial, J.C., Buisson, R., Madeore, F., Poirier, M. Up-conversion studied by selective time resolved excitation techniques in Pr^{3+}:LaF_3 9—95820

Viala, J.C. *see* Cueilleron, J. 9—91589

Vialaron, A. CNRS solar program and thermochemistry 9—100485

Vialle, J.P. *see* Armenise, N. 9—67536, 9—93397, 9—93398

Vialle, J.P. *see* Chilingarov, A. 9—54365

Vialle, M. *see* Auphelle, D. 9—89889

Viallet, C.-M. *see* Babelon, O. 9—85220

Viana, C.S. da C., Kallend, J.S., Davies, G.J. The use of texture data to predict the yield locus of metal sheets 9—86347

Viana, C.S.Da Costa *see* Da Costa Viana, C.S.

Viana, F.Luciano *see* Luciano Viana, F.

Vianden, R., Kaufmann, E.N., Naumann, R.A., Schmidt, G. The quadrupole interaction of ^{100}Rh in various intermetallic compounds of palladium 9−99520

Vianden, R.J. *see* Kaufmann, E.N. 9−65420

Viano, D.C. *see* Khalil, T.B. 9−81780

Viano, G.A. *see* Bertero, M. 9−50236, 9−50240

Viano, J.B., Cole, A.J., Longequeue, N., Lucas, J.J., Menet, J., Saulnier, J.C., Sunier, J.W. Heavy ion radiative capture cross sections 9−93652

Viard, M., Gavoille, G. Anomalous critical behaviour of the electrical resistivity of iron-platinum Invar alloys 9−78067

Vibert, J.F., Davis, M., Segundo, J.P. Recurrent inhibition: its influence upon transduction and afferent discharges in slowly-adapting stretch receptor organs 9−100636

Vibert, J.F., Segundo, J.P. Slowly adapting stretch-receptor organs: periodic stimulation with and without perturbations 9−92242

Vibet, C. *see* Avenel, O. 9−51353

Vibet, C. *see* Bloyet, D. 9−55989

Vicario, E. *see* Motohasi, Y. 9−95008

Viccaro, P.J., Friedt, J.M., Niarchos, D., Dunlap, B.D., Shenoy, G.K., Aldred, A.T., Westlake, D.G. Magnetic properties of $DyFe_2H_2$ from ^{57}Fe, ^{161}Dy Mossbauer effect and magnetization measurements 9−78579

Vich, M. *see* Novotny, V. 9−74227

Vicharelli, P.A., Adame, I.E., Schwartz, M. On the A_1 vibrations of tetrachlorocyclopropene 9−76437

Vicher, T. *see* Wasnich, R. 9−83909

Vichnevetsky, R. *see* Davidson, B. 9−79897

Vichon, D. *see* Gresteau, F. 9−89616, 9−89617

Vicins, V. *see* Giertz, H. 9−55210

Vickerman, J.C. *see* Bordoli, R.S. 9−90876

Vickery, J.C. *see* Kilpatrick, D. 9−83987

Vickovic, I., Viterbo, D. A simple statistical treatment of unobserved reflexions. Application two two organic substances 9−50937

Vickovic, I. *see* Giacovazzo, C. 9−50921

Vickrey, J.F., Swartz, W.E., Farley, D.T. Postsunset observations of inospheric-protonospheric coupling at Arecibo 9−70915

Vickroy, J.G., Dutton, J.A. Bifurcation and catastrophe in a simple, forced, dissipative quasi-geostrophic flow 9−88430

Vicsi, K.B. *see* Tarnoczy, T. 9−98558

Victor, G.A., Constantinides, E.R. Double photoionization and doubly charged ions in the thermosphere 9−84559

Victor, J.D. *see* Shapley, R. 9−79536

Victoria, J., Gonzalez, R., Piqueras, J., Bru, L. Contribution of thermally active processes to the elastic limit of copper polycrystals submitted to cyclic deformation 9−91732

Victorov, V.A., Golovkin, S.V., Gritsuk, M.V., Dzhelyadin, R.I., Zaitsev, A.M., Kakauridze, D.B., Kachanov, V.A., Konoplyannikov, A.K., Konstantinov, A.S., Konstantinov, V.F., Kubarovskii, V.P., Kulik, A.V., Landsberg, L.G., Leont'ev, V.M., Mukhin, V.A., Obraztsov, V.F., Petrunina, T.I., Pokrovskii, N.S., Prokoshkin, Yu.D. Observation of $\omega \to \pi^0\mu^+\mu^-$ decay 9−67546

Victorov, V.A. *see* Dzhelyadin, R.I. 9−67556

Victory, H.D., Jr. *see* Nelson, P., Jr. 9−76053

Vidadi, Yu.A., Khalilov, S.Kh., Barkhalov, B.Sh., Ragimov, A.V. Thermostimulated depolarization currents in polynaphthol organic semiconductors 9−51700

Vidal, B., Fornier, A., Pelletier, E. The measurement of the properties of optical thin films during deposition 9−81582

Vidal, B. *see* Harris, M. 9−83047

Vidal, C., Noyau, A. Chemical oscillations and thermochemical oscillations 9−57205

Vidal, C.R. Determination of vibrational quantum numbers of diatomic molecules using a variational method 9−85949

Vidal, C.R. *see* Hessel, M.M. 9−68256

Vidal, C.R. *see* Kotnik-Karuz, D. 9−76530

Vidal, D., Guengant, L., Lallemand, M. Speed of ultrasound in the rare gases at high pressure and 298.15K 9−82027

Vidal, F., Tarvin, J.A., Greytak, T.J. Order parameter relaxation near T_λ: A high frequency experimental test in liquid helium 9−55960

Vidal, G. *see* Ramusat, G. 9−70169, 9−74250

Vidal, H.A. *see* Abrams, G.S. 9−89149

Vidal, J. *see* Cardinne, P. 9−58721

Vidal, J.-P. *see* Vidal-Valat, G. 9−73147

Vidal, P. *see* Dosso, L. 9−57924

Vidal, R.A. *see* Abrams, G.S. 9−89174

Vidal-Madjar, A. *see* Laurent, C. 9−53865

Vidal-Madjar, D. Medium scale gravity waves and their nonlinear interaction with the means flow: a numerical study 9−53463

Vidal-Valat, G., Vidal, J.-P., Zeyen, C.M.E., Kurki-Suonio, K. Neutron diffraction study of magnesium fluoride single crystals 9−73147

Vidali, G., Cole, W., Schwartz, C. Asymptotic interaction between He, H, H_2 and a graphite surface 9−99429

Vidalis, T. Spinor operators of Weiss-Zumino type and their irreducible components 9−71602

Vidaud, P.H. *see* Tedder, J.M. 9−79229

Vidberg, H.J. Textures in slowly rotating ^{3}He-A 9−60587

Videau, I. *see* Abrams, G.S. 9−89149

Videau, J.J., Fava, J., Fouassier, C., Hagenmuller, P. Elaboration of optical properties of new neodymium active fluoride glasses 9−65820

Videau, J.-J., Portier, J., Fouassier, C. Comparison of optical absorption of 3d transition elements with fluorophosphate and soda-lime silica glass 9−65819

Videau, J.-J. *see* Stevic, S. 9−100104

Videau, L. *see* Abrams, G.S. 9−89174

Videla, N. *see* Birchall, J. 9−75995

Vidimari, F. Sulfur incorporation and thickness variation in vapor-phase-epitaxial GaAs layers for FET's 9−100060

Vidmar, R.J. *see* Sheridan, J.R. 9−68309

Vidmont, N.A., Kondrat'eva, V.V., Mashlyatina, T.M., Nedzvetskaya, I.V., Nedzvetskii, D.S. Polytypism and reflection spectra of β-AgI single crystals at 4.2K 9−69860

Vidozzi, G. *see* Chiesa, W. 9−84454

Vidrine, D.W. *see* Nafie, L.A. 9−99845

Vidro, G.I., Mukhina, E.G., Smirnova, E.I., Morozova, I.A. Measuring the optical constants and thicknesses of electrically conducting films based on transparent ceramic 9−67376

Vidula, B.S. *see* Rao, S.M. 9−89825

Vidyanidhi, V., Dhananjaya Rao, V. Heat transfer through a rotating channel in porous medium 9−72932

Vidyanidhi, V., Krishnam Raju, G., Ramana Rao, V.V. Effect of slip on the hydromagnetic free convection past an infinite porous flat plate in a rotating system 9−81989

Vie, M.C., Dubois, P., Marchandise, X., Leflon, G. Transformation of a single-channel gamma spectrometer into a computer controlled multichannel analyser 9−57765

Viechnicki, D. *see* Caslavsky, J.L. 9−52106

Viehland, L.A., Mason, E.A. On the choice of buffer gas mixtures for drift-tube studies of ion-neutral reactions 9−57232

Vieira, A.T., Ashton, D.H., Almenas, K. An assessment of the effects of blowdown-phase separation mechanics on containment pressure response to a LOCA 9−93771

Vieira, G.G. *see* Debehogne, H. 9−70985

Vieira, S., C. de las Heras, Gonzalo, J. Change of sign in the pyroelectric coefficient of KDP at 15.3K 9−82929

Vielmuth, U. Colour and density table for the estimation of photographic parameters 9−49309

Vielsack, P. Buckling of plates due to nearby homogeneous stresses 9−81746

Viemeister, N.F. *see* Widin, G.P. 9−92227, 9−92228

Vienet, R. *see* Aknin, J.P. 9−68001

Viennet, J. *see* Audoin, C. 9−55101

Viennet, R. *see* Chatelain, P. 9−75992

Viers, D.K. *see* Bernheim, R.A. 9−81220

Viertler, H. *see* Olivato, P.R. 9−50037

Viesti, G. *see* Boccaccio, P. 9−63874

Viet, D.Dao *see* Dao Viet, D.

Viet, L. *see* Deslouis, C. 9−77138

Viet Nguyen Ai *see* Nguyen Ai Viet

Vieu, Ch., Dionisio, J.S., Larsson, S.E., Leander, G., Ragnarsson, I., De Wieclawik, W. The particle asymmetric rotor descriptions of $^{187-193}$Ir positive parity states 9−49572

Vieu, Ch. *see* Wieclawik, W.E. 9−80867

Vigak, V.M. On two-step control of the fastest plate heating 9−76958

Vigak, V.M., Pakosh, V.A. Optimum heating of massive bodies given restrictions on control and rate of heating 9−68546

Vigak, V.M., Velichko, L.D. Solution of a nonclassical thermal conduction problem 9−59904

Viganotti, C. *see* Franzone, P.C. 9−100587

Vigderovich, I.E., Lamzyuk, V.D., Privarnikov, A.K. On using the method of flexibility functions for solving boundary value problems for the multilayer foundations of complex structure 9−76969

Vigdor, S.E. *see* Karwowski, H.J. 9−76019

Vigdorchik, V.Kh., Gagarin, A.G., Zykov, D.D. On the influence of a constant electrical field on the heat exchange of a film of fluid under transient conditions 9−94607

Vigdorovich, I.I. Gas flow in a channel in the presence of distributed injection of the gas or of a combustible gas mixture from its walls 9−68810

Vigdorovich, V.N., Ukhlinov, G.A., Chibotaru, N.I. Thermal width of the band gap of thin tellurium films 9−51698

Vigdorovich, V.N. *see* Batyrev, N.I. 9−52132

Viger, C., Lefrancois, G., Fleury, G. Anomalous behaviour of amorphous selenium films 9−87173

Vigerstad, T.J. *see* Alberts, J.J. 9−100881

Viggars, D.A., Conlon, T.W., Brady, F.P., Naqib, I. Reaction $^{12}C(^{16}O,^{20}Ne_{g.s.})^8Be_{g.s.}$ in the region 10 MeV≤$E_{c.m.}$≤15.5 MeV 9−67730

Viggars, D.A., Naqib, I.M. Agreement of Hauser-Feshback calculations with experiment for the reaction $^{14}N(^{14}N,\alpha)^{24}Mg$ at $E_{c.m.}$=10.1 MeV 9−63696

Viggiani, E. Audio-visual heart monitor based on light transmission through the skin 9−53206

Vighnesam, N.V. *see* Soundalgekar, V.M. 9−94726

Vigier, G., Merlin, J. Comments on 'A method to estimate the volume fraction of precipitates with ellipsoidal morphology from elastic modulus data' [P. Ganesan, G.A. Sargent, and R.J. De Angelis Metallography 10:399-414 (1977)] 9−61595

Vigier, G., Merlin, J., Gobin, P.F. Study of elastic and anelastic phenomena associated with isothermal precipitation of α and ω in the alloy Ti β III 9−52288

Vigier, G., Pelletier, J.M., Merlin, J. Determination of copper solubility in titanium and study of Ti-Cu solid solution stability by thermoelectric power measurements 9−77753

Vigier, J.P. *see* Cufaro Petroni, N. 9−97247

Vigier, J.P. *see* Gueret, P. 9−49033

Vigier, J.P. *see* Petroni, N.C. 9−63079

Vigier, P. *see* Cumbrera, F. 9−90554

Vignato, A. *see* Agnelli, G. 9−92677

Vignaud, D. *see* Barnham, K.W.J. 9−85293

Vigneresse, J.L. Damped and constrained least squares method with application to gravity interpretation 9−66830

Vignes, S., Nenot, J.C. Ionizing radiations: effects and sources 9−66494

Vignes, S., Nenot, J.C. The risk of low irradiation doses 9−89508

Vignola, G. *see* Barbini, R. 9−68030

Vignon, B. Parity violation in nuclear processes with polarised neutrons 9−59008

Vignon, J.-M., Cambon, C., Lesieur, M., Jeandel, D. Comparison of spectral calculations using the EDQNM theory with experiments of homogeneous thermal turbulence 9−81849

Vigotti, M. *see* Grueff, G. 9−58272

Vigotti, M. *see* Smith, H.E. 9−92876

Vigoureux, J.M. *see* D'Hooge, L. 9−99864

Vigroux, L. The Magellanic Clouds 9−71131

Vigroux, L. M87 has a heavy core 9−92866

Vij, S.K. *see* Kandlikar, S.G. 9−62109

Vijaya Kumar, B.V.K. *see* Casasent, D. 9−76598

Vijayakar, S.J. *see* Mukhopadhyay, P. 9−87604

Vijayakumar, K. *see* Laura, P.A.A. 9−72849

Vijayan, K. *see* Vani, G.V. 9−82194

Vijayaraghavan, M.S., Sivaramakrishnan, V., Rama Rao, K.V.S. Magneto-optical properties of Cu-substituted manganese-antimony films 9−51981

Vijayaraghavan, R. *see* Grover, A.K. 9−65745

Vijayaraghavan, R. *see* Malik, S.K. 9−69656

Vijayaraghavan, R. *see* Sampathkumaran, E.V. 9−61246

Vijaysree, G. *see* Mukherjee, P.S. 9−77742

Vijendran, P. *see* Nair, C.V.G. 9−71470

Vijh, A.K. Analysis of 'Comments on 'Electrochemical effects as the source of EMF in metal(1)-polymer-metal(2)". [Primary batteries] 9−87163

Vijh, A.K. The effect of conditioned metal electrodes on the electrical strength of the vacuum gap 9−90489

Vikhman, V.S. *see* Abakumov, A.A. 9−67451

Vikhnin, V.S., Borkovskaya, Yu.B. Indirect ion-ion interaction due to soft phonon modes 9−99838

Vikhnin, V.S., Sochava, L.S., Tolparov, Yu.N. Manifestation of the tunneling of a noncentral ion in its ESR spectrum 9−69714

Vikhnin, V.S. *see* Konchits, A.A. 9−65721

Vikhrev, V.V., Gureev, K.G. Dynamics of a strongly radiating plasma in a noncylindrical Z pinch 9−77354

Vikotrov, A.V. *see* Shapiro, Yu.Ye. 9−79481

Vikram, C.S., Vedam, K. Testing the trueness of circular surfaces: a simple holographic method 9−50245

Vikram, C.S., Vedam, K. Application of fringe shifting technique in speckle photography 9−54210

Vikram, C.S., Vedam, K. Testing the trueness of circular surfaces by laser speckle photography 9−86266

Vikram, C.S., Vedam, K. Filtering unwanted reference beams in holography 9−89869

Viktorov, A.V. *see* Chupriyanova, N.Ye. 9−92162

Viktorov, A.V. *see* Koreneva, L.G. 9−79478

Viktorov, I.A. Strongly inhomogeneous acoustic surface waves in solids 9−64374

Viktorov, I.A. Types of acoustic surface waves in solids (review) 9−95254

Viktorova, E.N. *see* Aristov, A.V. 9−56836

Viktorova, N.L. *see* Belov, G.P. 9−52333

Viktorovitch, P. *see* Dilmi, T. 9−99592

Viktorovitch, P. *see* Pananakakis, G. 9−52933

Vikulin, I.M., Glauberman, M.A., Kanishcheva, N.A. Magnetothyristor with carrier recombination on the gate electrode 9−60918

Vikulov, V.F., Zavadtsev, A.A., Zverev, B.V., Kalyuzhny, V.E., Kaminsky, V.I., Nechaev, N.N., Ruzin, V.V., Sobenin, N.P., Stepov, V.V. A compact standing-wave electron linac with RF drive system using 3 dB hybrid junction 9—72030
Vila, C.L., Kinsey, J.L., Ross, J., Schatz, G.C. Franck-Condon factors in studies of dynamics of chemical reactions. V. Simple construction of quasiadiabatic potential energy surfaces and numerical evaluation of Franck-Condon integrals 9—61855
Vila, C.L., Zvijac, D.J., Ross, J. Franck-Condon theory of chemical dynamics. VI. Angular distributions of reaction products 9—87835
Vilain, P. *see* Angelini, C. 9—67548
Vilain, P. *see* Bonetti, S. 9—49509
Vilain, P. *see* Ciampolillo, S. 9—71739
Vilain, P. *see* Morfin, J.G. 9—71740
Vilain, P. *see* Pohl, M. 9—49507
Vilain, P. *see* Read, A.L. 9—49510
Vilas, J.F. *see* Sinito, A.M. 9—84098
Vild-Maior, A., Bodea, M. The minicomputer modelling of boron diffusion in an oxidised atmosphere 9—82247
Vil'danova, N.F., Gaidukov, M.G., Noskova, N.I., Pavlov, V.A. Influence of the application of ultrasonics during multistage ageing on the creep of cast alloy AL27 [Al alloy] 9—91708
Vilela, J.M., Nunes, F.D., Patel, N.B. Transient effects in single heterostructure GaAs lasers 9—98366
Vilela, J.M. *see* Patel, N.B. 9—64226
Vilenkin, A. Parity nonconservation and stellar collapse 9—92789
Vilenkin, A. Correspondence principle in the self-energy problem 9—93321
Vilenkin, A. Self-interaction ot charged particles in the gravitational field 9—97275
Vilenkin, A., Taylor, P.L. Theory of thermoelectric effects in dilute alloys. II 9—95390
Vilenkin, Ya.I. *see* Chistov, S.F. 9—81310
Vilenskii, Yu.B. *see* Anokhina, Z.V. 9—67409
Viles, R.S. Technology and the chart recorder 9—88933
Viles, R.S. Merging plotters and recorders 9—93128
Vilesov, F.I. *see* Vinogrqdov, I.P. 9—57270
Vilfan, I., Zeks, B. Thermodynamic properties of spin-one uniaxial antiferromagnets 9—56539
Viliani, G. *see* Montagna, M. 9—95374
Vilim, Yu.V. *see* Belov, A.D. 9—83312
Viljanem, J., Leppihabme, M. Application of OTDR for thickness monitoring of optical thin films 9—55254
Viljoen, M. The practical aspects of X-ray apparatus in cardiac work 9—96659
Viljoen, P.E. *see* Davis, G.D. 9—78145
Vil'k, Yu.N. *see* Matskevich, T.L. 9—69951
Vilker, V.L., Dileo, A.J., Colton, C.K., Smith, K.A. Device for the measurement of small liquid flow rates 9—68836
Vil'khovchenko, S.D. Hydrodynamic moment acting on a moving deformable body in a linear potential flow of an ideal incompressible liquid 9—64626
Vil'khovchenko, S.D. Hydrodynamic effect on a contour by the flow of an ideal incompressible fluid with constant vorticity 9—86438
Vil'koviskii, E.Ya. Interaction of galaxies with central objects, and the activity of galaxy nuclei 9—58428
Vilks, G., Mudie, P.J. Early deglaciation of the Labrador Shelf 9—79891
Villa, F. *see* del Papa, C. 9—49528
Villa, F. *see* Hill, D.G. 9—71744
Villa, G. *see* Battaglia, A. 9—93991
Villaeys, A.A. General theory of intensity correlation on light scattering 9—50267
Villaeys, A.A. Role of the exciting light on spatio-temporal correlation measurements 9—50268
Villaeys, A.A. *see* Freed, K.F. 9—60461, 9—64053
Villafuerte-Castrejon, M.E., West, A.R. Kinetics of polymorphic transitions in tetrahedral structures. I. Experimental methods and the transition $\gamma \rightarrow \beta$ Li_2ZnSiO_4 9—90778
Villain, J. Insulating spin glasses 9—51796
Villain, J. *see* Bak, P. 9—69244
Villain, J. *see* Boucher, J.P. 9—91244
Villain, J. *see* Gordon, M.B. 9—56074
Villain, J. *see* Regnault, L.P. 9—61151
Villain, J.-P., Berger, C., Barlier, F. Analysis of the enhancement of the thermospheric density and the development of the perturbations during a geomagnetic storm in the equatorial regions 9—96846
Villalba, R. *see* Yariv, S. 9—69259
Villalobos-Peitrini, R. *see* Palomino, G. 9—88122
Villanen, H. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Villanen, P. *see* Aahlin, P. 9—93468
Villanen, P. *see* Boos, E.G. 9—49548, 9—89203
Villani, G., Boiteux, S., Radman, M. Mechanism of ultraviolet-induced mutagenesis: extent and fidelity of in vitro DNA synthesis on irradiated templates 9—92149
Villani, S. Image contrast and its dependence on luminosity, according to the physical model of Rose 9—62261
Villani, S., Del Dotto, P. Some experimental data on far point dependence on target size 9—79517
Villani, S., Del Dotto, P., De Napoli, P.A. Some remarks on the lack of extrafoveal hyperacuity 9—62260
Villar, J.G., Reiss-Husson, F., Valat, P., Tourbez, H., Reiss, C. Application of wide-band multichannel picosecond absorption spectroscopy to the study of primary steps in bacterial photosynthesis 9—66462
Villar, J.S. *see* Jander, H.P. 9—74740
Villar, V.Perez *see* Perez Villar, V.
Villari, A. *see* Fidecaro, G. 9—85343
Villarreal, P. *see* Delgado-Barrio, G. 9—89745
Villarruel, C.A., Giallorenzi, T.G., Fenner Milton, A. Couplers for multiterminal data-distribution systems 9—50428
Villaverde, E.Hita *see* Hita Villaverde, E.
Villedary, C.de *see* de Villedary, C.
Villedary, C.De *see* De Villedary, C.
Villeneuve, D.M., Enright, G.D., Richardson, M.C., Isenor, N.R. Energy absorption in plasmas produced by intense 10-μm laser radiation 9—90456
Villeneuve, G., Echegut, P., Chaminade, J.-P. Fluorine and oxygen distribution in potassium tantalum oxide fluoride $K_2Ta_4O_9F_4$ 9—77579
Villeneuve, G. *see* Vlasse, M. 9—90618
Villeneuve, J. *see* Benmergui, A. 9—97798
Villeneuve, P. *see* Albrow, M.G. 9—75805
Villeneuve, V.H.de *see* de Villeneuve, V.H.
Villepastour, A.-M., Delmas, C. Conduction mechanism determination in three solid electrolytes with a layer structure using NMR techniques 9—65240
Villepin, J.de *see* de Villepin, J.
Villiers, A.M.M.de *see* de Villiers, A.M.M.
Villoresi, G. *see* Iucci, N. 9—75059
Villoutreix, G., Martinet, J. Contribution to the study of thermal conductivity in liquids and solutions 9—94477
Vilminot, S. *see* Al Oraibi, Z. 9—51060
Vil'ner, D.E., Ivanov, A.V., Roizman, P.S. New devices for the electrical power supply units for melting optical glass in platinum crucibles 9—72728
Vilyamas, Yu.V., Shimonis, V.M., Nyamira, M.A. Heat exchange in annular channel with blockage accompanying turbulent flow of air with variable physical properties 9—94620
Vilyamas, Yu.V. *see* Nyamira, M.A. 9—90256
Vil'yams, O.S., Bol'shova, N.M., Sadokova, T.G. Effect of repeated cold deformation on the susceptibility to intercrystalline corrosion of steel 12Kh18N10T 9—57000
Vil'yams, O.S., Bol'shova, N.M., Sadokova, T.G. Effect of hot deformation on the susceptibility to intercrystalline corrosion of steel 12Kh18N10T 9—79010
Vilyatser, V.A. *see* Danilevskii, L.D. 9—79005
Vimin, G.V. Intrinsic defects in adsorbed monolayers 9—99415
Vimolvanich, S. *see* Farrell, R.A. 9—80543
Vinas, F.J., Madurga, G. A simplified competitive calculation of spherical nuclei 9—59020
Vinas, F.J. *see* Barranco, M. 9—80874, 9—89249
Vince, M., Breed, H.E., Lahey, R.T., Jr. The development of a high-temperature optical void probe 9—93705
Vincelli, M.L. *see* Apel', V.D. 9—67609, 9—89194
Vincelli, M.L. *see* Apel, W.D. 9—54361, 9—58978, 9—75800, 9—89195, 9—93464
Vincent, C.A. *see* Grant, R.J. 9—77807
Vincent, C.A. *see* McKechnie, J.S. 9—99873
Vincent, D., Lit, J.W.Y. Optical disk in thin films 9—98476
Vincent, E. *see* Argan, P. 9—85453, 9—85454, 9—89291
Vincent, L., Coquillet, B., Perol, Y., Guiraldenq, P. Plastic evolution by fatigue of an alloyed martensite: role and influence of the crystallographic properties 9—66056
Vincent, L. *see* Marze, A. 9—91615
Vincent, M.G. *see* Flack, H.D. 9—99029, 9—99029
Vincent, P., Neviere, M., Maystre, D. X-ray gratings: the GMS mount 9—75664
Vincent, P. *see* Brunet, H. 9—94835, 9—94836
Vincent, P. *see* Meyerhof, W.E. 9—49978
Vincent, S.M. *see* Kessler, J.E. 9—57339
Vincent-Geisse, J., Soussen-Jacob, J., Nguyen Tan, T., McClung, R.E.D. The ν_3 band profile of methane in SF_6, CCl_4 and high pressure Ar 9—54913
Vincent-Geisse, J. *see* Seloudoux, R. 9—87426
Vincentt, P.S. Demonstration of true electrophoresis in an insulating liquid at fields up to 3×10^7 Vm^{-1} 9—57241
Vincenz, S.A. *see* Jelenska, M. 9—92528
Vincett, P.S. Generalization of Trouton's rule to dissociative and associative evaporation. Calculation of heat and entropy of evaporation for group 2-6 compounds and for alkali halides 9—77735
Vincett, P.S., Barlow, W.A., Boyle, F.T., Finney, J.A., Roberts, G.G. Preparation of Langmuir-Blodgett 'built-up' multilayer films of a lightly substituted model aromatic, anthracene 9—95293
Vinciguerra, D. *see* Barbarino, S. 9—67759
Vincx, H. *see* Lien, J.R. 9—85353
Vincx, H. *see* Waroquier, M. 9—54395, 9—63601
Vincze, I., Boudreaux, D.S., Tegze, M. Short-range orders in Fe-B metallic glass alloys 9—65002
Vincze, I., Boudreaux, D.S., Tegze, M. Short-range order in Fe-B metallic glass alloys 9—77528
Vincze, I. *see* Babic, E. 9—73489
Vincze, I. *see* Kemeny, T. 9—94906
Vincze, I. *see* New, D.A. 9—73484
Vind Nielsen, H.J. A comment on the glass forming ability of binary alloys of transition metals with metalloids 9—86714
Vindelov, K.E. *see* Armantrout, G.A. 9—78885
Vinderlikh, B. *see* Shtremel, M.A. 9—65114
Vinelli, J. *see* Baker, M.B. 9—100930
Vinen, W.F. The attenuation of first and second sound near the λ-line in liquid ^{4}He 9—95227
Viner, M.R. HR 5110 9—67053
Viner, M.R., Vallee, J.P., Hughes, V.A. A theoretical study of the radio recombination line and continuum emission from compact inhomogeneous H II regions 9—62885
Vines, M.J., Lancaster, G. Microstructure control in the flash butt welding of high strength alloy rail 9—91715
Vinet, L. *see* Harnad, J. 9—63342
Vinetskii, R.M. *see* Baranskii, P.I. 9—51612
Vinetskii, V.L., Eritsyan, G.N., Melkonyan, R.A. On the nature of the 'limiting' position of the Fermi level in irradiated silicon 9—65484
Vinetskii, V.L. *see* Kukhtarev, N.V. 9—86136
Vinetskii, V.L. *see* Romanenko, O.L. 9—91098
Vingrys, A. *see* Hess, R.F. 9—83777
Vinh Luu Dang *see* Luu Dang Vinh
Vinh Mau, R. Recent progress in dispersion theoretical approach to nuclear forces 9—85380
Vinh Mau, R. The Paris nucleon-nucleon potential 9—97665
Vinh Mau, R. *see* Pauss, F. 9—67577
Vinikovetskii, I.A., Frishman, A.M., Tsukernik, V.M. Kinetic equation for a spin wave system on parametric excitation 9—87249
Vinit, A., Lambard, J., Nectoux, P., Gilbert, M. Molecular motions of SF_6 dissolved in cryogenic liquids 9—69823
Vink, A.T. *see* Werkhoven, C. 9—87511
Vinke, R. *see* Simoons, M.L. 9—70667
Vinnikov, L.I. *see* Feting, N.A. 9—64617
Vinograd, E.L. *see* Tsirlin, Yu.A. 9—72204
Vinogradoff, A.P. *see* Sarychev, A.K. 9—93063
Vinogradov, A.A. *see* Kaminskii, V.V. 9—69417
Vinogradov, A.S. *see* Pavlychev, A.A. 9—99983
Vinogradov, A.V. *see* Shevelko, V.P. 9—49965
Vinogradov, B.S. *see* Abalakov, G.V. 9—81945
Vinogradov, B.V. *see* Yakovlev, E.N. 9—60713
Vinogradov, E.A., Irisova, N.A., Kozlov, V.D., Pavel'ev, V.A. Characteristics of some materials in the short portion of the millimeter range of wavelengths [radiation protection] 9—92391
Vinogradov, E.A., Mityagin, Yu.A. Characteristics of changes in the vibrational spectra of the $Cd_xZn_{1-x}S$ solid solution system 9—73949
Vinogradov, E.A. *see* Bulatov, E.D. 9—50023
Vinogradov, E.A. *see* Gasanly, N.M. 9—55842
Vinogradov, G.E., Davydov, V.S., Startseva, N.M., Tereshina, L.P. Comparison of the light-blocking effectiveness of one-stage and two-stage blinds with internal diaphragms 9—50405
Vinogradov, G.V. Fluid polymeric systems and their filling. I. High-molecular linear polymers of narrow molecular mass distribution [glass transition due to plastic deformation] 9—96065
Vinogradov, G.V., Yanovskii, Yu.G., Malkin, A.Ya., Titkova, L.V., Barancheeva, V.V., Sergeenkov, S.I., Borisenkova, E.K., Katsyutsevich, E.V., Volosevich, V.V. Visco-elastic properties of linear polymers under flow condition and their transition into high-elastic state 9—50690
Vinogradov, G.V. *see* Goldberg, V.M. 9—50691
Vinogradov, G.V. *see* Pokrovskii, V.N. 9—50613
Vinogradov, L.I. *see* El'Ashri, F.M. 9—80911, 9—80939
Vinogradov, L.V. *see* Shorshorov, M.Kh. 9—55340, 9—79039
Vinogradov, O.P. *see* Shpeizman, V.V. 9—61697
Vinogradov, S.S., Tuchkin, Yu.A., Shestopalov, V.P. An effective solution of paired summation equations with kernels in the form of Legendre's associated functions 9—84968
Vinogradov, V.A. *see* Azarkh, S.L. 9—62778
Vinogradov, V.E. Structural imperfections in CdTe films 9—90661
Vinogradov, V.I. *see* Ablekov, V.K. 9—55142
Vinogradov, Ye.A., Irisova, N.A., Lazarev, A.A., Mitrofanova, N.V., Timofeyev, Yu.P., Fridman, S.A., Shchayenko, V.V. Application of a thermoluminophorous sensor to measurement of fields in open resonators 9—93168

Vinogradov, Yu.A., Ermolaev, I.K., Leont'ev, A.I., Rozhdestvenskii, V.I. Heat transfer on a permeable plate at the site of incident compression shock interaction with turbulent boundary layer 9—81922
Vinogradov, Yu.A. *see* Leont'yev, A.I. 9—98719
Vinogradov, Yu.G. *see* Pozdnyak, N.Z. 9—61533
Vinogradova, E.B. *see* Bordina, N.M. 9—83594
Vinogradova, L.G. *see* Krasnyi, Yu.M. 9—52518
Vinogradova, N.K., Starshin, E.P., Lezina, V.G. Cassette for autoradiographic studies 9—52535
Vinogradova, O.A., Dimitrov, S.K., Luts'ko, A.S., Smirnov, V.M., Tel'kovskii, V.G. Parameter evaluation for a fly-through particle recovery unit 9—71956
Vinogradova, R.G. *see* Artemova, A.A. 9—52857
Vinogradova, S.V. *see* Godovskii, Yu.K. 9—55895
Vinogradova, S.V. *see* Rogovina, L.Z. 9—65010
Vinogradova, S.V. *see* Storozhuk, I.P. 9—55915
Vinogradova, S.V. *see* Vygodskii, Ya.S. 9—57231
Vinogradskii, A.G. *see* Sidorov, A.N. 9—54857
Vinogradov, I.P., Vilesov, F.I. Effect of temperature on the process of photodissociation of water with formation of the $OH(A^2\Sigma^+)$ radical 9—57270
Vinokur, A.I. *see* Berkengeim, A.B. 9—75643
Vinokur, B.B. Carbide formation in chrome-manganese steels, alloyed with tungsten and molybdenum 9—87638
Vinokur, B.B. Carbide formation in chrome-nickel steels, alloyed with tungsten and molybdenum 9—87639
Vinokur, F.L., Bychkov, A.Kh., Kocheryzhenkov, A.I., Morozova, G.A., Neshpor, V.S. Effect of structural factors on the strength of pyrolytic graphite 9—66135
Vinokur, V.M., Kravchenko, V.Ya. Temperature dependence of the electrical resistivity of metals with dislocations 9—60819
Vinokur, V.M., Kravchenko, V.Ya. Local phonon modes and structural instability at linear defects 9—73275
Vinokur, V.M., Kravchenko, V.Ya. EPR spectrum and spin-lattice relaxation of dislocation spin chains 9—91291
Vinokurov, A.V., Nemtsev, B.V., Stolov, A.L. Linear dichroism induced by an electric field and orientational kinetics of tetragonal Nd^{3+} centers in SrF_2 9—69868
Vinokurov, G.N., Zalesskii, V.Yu. Chemical kinetics and gasdynamics of a Q-switched iodine laser with an optically thick active medium 9—64218
Vinokurov, I.A., Akopyan, S.Kh., Bakhshiev, N.G. On methods of describing universal intermolecular interactions within the framework of continuum assumptions 9—90514
Vinokurov, V.A., Shanshaev, O.Ts. Model describing movement of crack in material accompanying propagation of fracture 9—77017
Vinokurov, V.A. *see* Kludzin, V.V. 9—64381
Vinokurov, V.M. *see* Khasanov, R.A. 9—51845
Vinokurova, L.I., Gapotchenko, A.G., Itskevich, E.S., Kulatov, E.T. Determining the position of the levels in the spin subbands of ferromagnetic Co by experiments under pressure 9—90947
Vinokurova, L.I., Gapotchenko, A.G., Itskevich, E.S., Kulatov, E.T., Kulikov, N.I. Effect of pressure on the electron structure of ferromagnetic nickel and iron 9—77987
Vinson, C.A. *see* Yettram, A.L. 9—57695
Vintaikin, E.Z., Litvin, D.F., Makushev, S.Yu. Critical shear stresses of twinning and glide in manganese-copper alloys with tetragonal structure 9—87693
Vintman, Z.L., Goncharov, V.V., Sokolovskii, I.I., Chelyadin, A.V. Detection of low-level SHF power 9—54189
Vinyajkin, E.N., Razin, V.A. Secular decreases in the 927 MHz emission from the supernova remnants Cas A and Tau A 9—75255
Vinyukov, K.I. *see* Krasovskii, V.I. 9—92596
Viola, M.S., Van Wormer, K.A., Botsaris, G.D. A new technique for simulating two-dimensional nucleaton models of crystal growth 9—73116
Viola, V.E. *see* Breuer, H. 9—76020
Viola, V.E. *see* Hilscher, D. 9—93591
Viola, V.E., Jr. *see* Hilscher, D. 9—93653
Violet, C.E. *see* Guinan, M.W. 9—63810
Viotti, R., Giangrande, A., Cassatella, A. η Carinae 9—71051
Viotti, R. *see* Ferrari-Toniolo, M. 9—53829
Viragh, E. Environmental effects of nuclear power-stations 9—88008
Virasoro, M.A. Yang-Mills fields and the old dual model: an ambiguous relationship 9—49495
Virdee, M.S. *see* Archbold, E. 9—86389
Virdefors, B. *see* Ardeberg, A. 9—58306
Virgil'ev, Yu.S., Kalyagina, I.P., Kireeva, G.G. Variation of the radiation dimensional stability of structural graphite 9—71896
Virgil'ev, Yu.S., Kalyagina, I.P., Nikishina, L.M., Shurshakova, T.N. Mechanism of the radiation-induced change in the properties of graphite subjected to high neutron doses 9—95053
Virgil'ev, Yu.S., Kireeva, G.G., Kurolenkin, E.I. Permeability of structural graphite and its variation under irradiation 9—71900
Virgil'ev, Yu.S. *see* Kurolenkin, E.I. 9—57176
Virgo, D. *see* Sharma, S.K. 9—87431
Virgona, J.E. *see* Bartke, T.C. 9—87949
Virkar, A.V. *see* Shetty, D.K. 9—91778
Virkar, A.V. *see* Singh, J.P. 9—79081
Virko, V.F., Kirichenko, G.S. Experimental investigation of the dispersion of a low frequency wave in a neutralized ion beam plasma 9—98888
Virkus, R. *see* Bross, A. 9—89517
Virlet, J. *see* Brot, C. 9—69039
Virlet, J. *see* Weulersse, J.M. 9—99784
Virmont, J. *see* Amiranoff, F. 9—90432
Virnich, K.H., Kohlhoff, G., Lucke, K., Pospiech, J. Texture transformation during primary recrystallization of rolled copper sheets as function of the annealing time 9—91683
Virnich, K.H., Lucke, K. Rolling and recrystallization textures in the system copper-zinc as function of the Zn-content 9—91676
Virnich, K.H., Pospiech, J., Flemmer, A., Lucke, K. On the analysis of orientation distribution functions by superposition of Gauss type scattering functions 9—86735
Virnik, Ya.Z., Piskunov, A.K., Stepanov, A.A., Shcheglov, V.A. Diffraction effects in a CW HF chemical laser with an unstable telescopic resonator 9—94265
Viron, F.de *see* de Viron, F.
Virot, A. *see* Baron, J.-L. 9—92091
Virr, L.E. *see* Jack, M.A. 9—98559
Virtamo, J.T. Non-local dispersion equation for the drift waves 9—90404
Virtamo, J.T., Lindgren, K.A.U. Relativistic corrections to the energy levels of hydrogen atoms in a strong magnetic field 9—68186
Vis, R.D., Bos, A.J.J., Idzenga, S., Verheul, H. Perturbed γ-γ angular correlations of ^{111m}Cd bound on DNA 9—79457
Viscakas, J. *see* Pincevicius, A. 9—56296
Viscakes, J., Reksnys, R., Sakalas, A., Sakalauskas, S. Current-voltage characteristics and potential distribution in partially illuminated single crystals of n-CdSe 9—65519
Viscio, D.B. *see* La Mar, G..N. 9—92152
Viscio, D.B. *see* Prestegard, J.H. 9—83711
Visentin, R. *see* Bellecci, C. 9—70463
Vishchakas, Yu. *see* Vaitkus, Yu. 9—55091
Vishenkov, A.S. Metrological provisions for measuring large forces in COMECON member countries 9—75523
Vishnevskaya, K.P. *see* Abrosimov, A.T. 9—76022
Vishnevskaya, S.S. *see* Vydrik, G.A. 9—83165
Vishnevskii, A.S., Gontar', A.G., Shul'zhenko, A.A. Photoconductivity of synthetic semiconducting diamonds 9—69550
Vishnevs'kii, A.S. *see* Malogolovets', V.G. 9—78758, 9—82980
Vishnevskii, F.N., Efimov, I.T., Skorokhodov, I.I. Multichannel commutator for transfer of thermal analysis data to a single recording instrument 9—52821
Vishnevskii, N.K. *see* Vasil'chenko, V.G. 9—97942
Vishnevskii, V.K. *see* Shvets, Yu.I. 9—64661
Vishnevskii, V.N., Kuzyk, M.P., Stefanskii, I.V. Thermooptic properties of alkali haloid crystals 9—91414
Vishniac, E.T. *see* Press, W.H. 9—58454
Vishnovskii, V.K. *see* Dorofman, A.Sh. 9—68767
Vishnyakov, A.A. Vortex interpretation of L.D. Landau's theory of turbulence generation 9—77077
Vishnyakov, B.A. *see* Aranovich, G.L. 9—77893
Vishnyakov, L.R. *see* Frantsevich, I.N. 9—70019
Vishnyakov, N.A., Gringauz, G.D., Rautman, N.Yu. Comparison of two methods for statistical analysis of nonstationary loading from standpoint of fatigue failure of a material 9—52488
Vishnyakov, N.A. *see* Vasil'ev, B.I. 9—89721
Vishnyakov, Yu.S. *see* Belogurov, D.A. 9—99848
Vishnyauskas, V.V., Ivanauskas, P.I. Sublimitation of ceramics with base of Mg and Zr oxides in various media. I. High-temperature optical furnace 9—95983
Vishvanatham, S., Prabhakar Rao, K., Mondal, P.K. Rectangular and triangular wave-response of optical systems with triangular apodisation filters 9—59645
Vishvanatham, S., Prabhakar Rao, K., Mondal, P.K. Incoherent transfer functions of optical systems with triangular and associated filters 9—94168
Vishveshwara, C.V. *see* Hoenselaers, C. 9—50815
Vishwakarma, J.P. *see* Verma, B.G. 9—77265, 9—98813
Vishwanath, P.R. *see* Goodman, J.A. 9—62697, 9—66897, 9—75065
Visky, T. *see* Somogy, A. 9—80173
Vislovich, A.N. *see* Bashtovoi, V.G. 9—86435
Vislovich, A.N. *see* Berkovskiy, B.M. 9—98725
Visman, J. Procedures for the reduction and testing of bias 9—52541
Visnov, R., Girifalco, L.A., Alonso, J.A. Volume of formation and electronic configuration in dilute alloys 9—90991
Visscher, P.B. Dynamic renormalization of discrete hydrodynamics 9—86395
Visscher, P.B. Discrete hydrodynamics: determination of equations of motion by simulation 9—90504
Visscher, P.B. *see* Begum, S. 9—90505
Visser, A.T. *see* Hoover, J. 9—68044
Visser, H. Teledetection of the thickness of oil films on polluted water based on the oil fluorescence properties 9—79437
Visser, J., Scheer, J.J. Twenty-kelvin cryopumping in magnetron sputtering systems 9—80634
Visser, J. *see* Geraerts, A.M. 9—67331
Visser, J.A. *see* van den Hoek, W.J. 9—60205
Visser, J.W. *see* Sonneveld, E.J. 9—99128
Visvanadham, P. *see* Bappu, M.K.V. 9—53856
Visvanatham, S., Rao, K.P., Raju, K.L.N., Mondal, P.K. Coherent imagery of sinusoidal amplitude gratings with apodisation filters 9—55067
Visvanathan, N., Griersmith, D. Distance to the Virgo I cluster and the value of the Hubble constant 9—62917
Visvanathan, N., Wickramasinghe, D.T. Absorption spectrum of the accretion column in VV Puppis 9—101176
Visvanathan, N., Wickramsinghe, D.T. VV Puppis 9—80322
Viswamitra, M.A., Post, M.L., Kennard, O. The crystal structure of the dipotassium salt of uridine 5'-diphosphate 9—57569
Viswanadham, N. *see* Ashajayanthi, A.V. 9—64436
Viswanadham, P. *see* Eliezer, I. 9—77765, 9—95183
Viswanadham, R.K., Sprissler, B., Precht, W., Venables, J.D. The effect of V/Ti ratio on the partitioning of Mo in (V,Ti)C+(Ni,Mo) cemented carbides 9—79099
Viswanadham, R.K. *see* Sun, T.S. 9—86975
Viswanath, P.R. *see* Macfall, J.R. 9—49549, 9—62698
Viswanath, R.S., Miller, P.J., Cody, C.A. Vibrational spectra of crystalline H_2SeO_3 in the O-H stretching region 9—51949
Viswanath, S. *see* Lakshminarayana, H.V. 9—59924
Viswanathan, B. On Ritchie's equation for the analysis of kinetics of adsorption of gases on solids 9—90871
Viswanathan, B., Drachsel, W., Block, J.H., Tsong, T.T. Photon enhanced field ionization on semiconductor surfaces 9—83109
Viswanathan, G. *see* Rustad, R.C. 9—96625
Viswanathan, K.S., Philip, J. Neutron scattering by anharmonic crystals and the effect of sublattice displacements 9—77460
Viswanathan, K.S., Phillip, J. Neutron scattering by anharmonic crystals and the effect of sublattice displacements 9—77458
Viswanathan, K.S., Yee, J.H. First-order phase transitions in gauge theories 9—58881
Viswanathan, K.S. *see* Mayer, D.H. 9—71588
Viswanathan, K.S. *see* Ragiadakos, C. 9—97505
Viswanathan, K.S. *see* Renuka, G. 9—88551
Viswanathan, P.S. *see* Jayaraman, S. 9—62372
Viswanathan, R. *see* Blackman, E. 9—55276
Viswanathan, R. *see* Caton, R. 9—56194
Viswanathan, R. *see* Gangadharan, R. 9—100505
Viswanathan, R. *see* Pande, C.S. 9—56349
Viswanathan, T.L. *see* Thampuran, M.K.V.V. 9—62004
Viswanathan, V.K. Unique problems and a possible novel optical design approach for the design and assembly of CO_2 laser fusion systems 9—86193
Viswanathan Nair, K. *see* Namasivayam, R. 9—50005
Vita-Durand, F. *see* Hein, A. 9—83774
Vitale, A. *see* Bertin, A. 9—86090, 9—89811
Vitale, S. *see* Castellano, M. 9—63197
Vitali, G., Bertolotti, M., Stagni, L. Laser induced structure changes in implanted semiconductors related to pulse shape 9—69123
Vitali, G. *see* Bertolotti, M. 9—50992, 9—69921
Vitan, G. *see* Tisza, S. 9—100769
Vitanov, P. *see* Popova, L. 9—95499
Vitanov, P.K. *see* Popova, L.I. 9—56311, 9—65339
Vitanov, T. *see* Nikolov, I. 9—52925, 9—100500
Vitanov, T. *see* Stoychev, D.S. 9—66220
Vitanova, I. *see* Stoychev, D.S. 9—66220, 9—66221
Vitchinkin, V.T. *see* Tsymbal, L.T. 9—69334, 9—87038
Vitebskii, I.M., Yablonskii, D.A. Theory of low-temperature spin reorientation in $ErFeO_3$ 9—65683
Vitebskii, I.M. *see* Bar'yakhtar, V.G. 9—61197
Vitek, R. *see* Kent, D.M. 9—57320
Vitek, V., Sutton, A.P., Smith, D.A., Pond, R.C. On the structure of grain-boundary dislocations 9—60383
Vitek, V. *see* Bowen, D.K. 9—56103
Vitek, V. *see* Chell, G.G. 9—68643
Vitek, V. *see* Pond, R.C. 9—73173
Vitel, Y., Skowronek, M., Benisty, K., Popovic, M.M. Plasma-wall interaction in flash-tubes 9—77421
Vitelli, R. *see* Catalano, F. 9—88112

Vitenberg, A.G., St. Dimitrova, Z., Ioffe, B.V. On the use of gas-chromatographic analysis of an equilibrium pair for determining the ionization constant of organic elements in complex mixtures 9—61921
Viterbo, D. *see* Giacovazzo, C. 9—50921
Viterbo, D. *see* Vickovic, I. 9—50937
Vitiello, G. *see* De Concini, C. 9—67464
Vitins, J., Aggarwal, R.L., Lax, B. Electron-hole drops in Ge at high magnetic fields 9—60721
Vitins, J., Aggarwal, R.L., Lax, B. Electron-hole drop luminescence in Ge at high magnetic fields 9—65390
Vitinskii, Yu.I. Peculiarities of activity centres during the descending branch of the 20th solar cycle 9—96926
Vitinsky, Yu.I., Rubashev, B.M. The evaluation of the reliability of solar activity forecasts 9—92742
Vitkalova, R.N. *see* Mikheev, M.N. 9—83197
Vitkova, S., Tomov, I., Velinov, V. X-ray investigation of the change in the twin faults during the growth of (100) textured nickel electrodeposits 9—65334
Vitman, R.F., Lebedev, A.A. Determination of the impurity diffusion coefficients from optical absorption 9—69294
Vito, R.P., Cabak, G. The effects of internal resonance on impulsively forced non-linear systems with two degrees of freedom 9—76998
Vito, R.P., Hickey, J.L. A new approach to studying the mechanical properties of arteries 9—83844
Vitovskii, N.A., Emel'yanenko, O.V., Lagunova, T.S., Mashovets, T.V., Mustafakulov, D. Formation of donor-acceptor pairs in gallium arsenide by low-temperature gamma irradiation 9—69158
Vitovskii, N.A., Mashovets, T.V., Oganesyan, O.V. Influence of the intensity of electron irradiation on the formation of defects in indium antimonide 9—73216
Vitovskii, N.A., Mashovets, T.V., Oganesyan, O.V., Pambukhchyan, N.Kh. Kinetics of changes in the carrier density in indium antimonide due to irradiation with 50 MeV electrons 9—56228
Vitovskii, N.A., Mustafakulov, D., Chekmareva, A.P. Reply to the comments of V.I. Panov, L.S. Smirnov, and E.G. Tishkovskii on 'Threshold energy for the displacement of atoms in semiconductors' 9—90647
Vitrichenko, E.A. *see* Popova, M.D. 9—58362
Vitrichenko, E.A. *see* Prokhorov, A.M. 9—84675
Vitrikhovskii, N.I., Matsko, M.G., Franiv, O.V. Radiation from CdTe crystals at high excitation levels 9—91497
Vitsinskii, S.A. *see* Alekseev, V.N. 9—64235
Vitti, J.A., Felten, L.D., Galluzzo, N.G., Otter, J.M., Brittingham, J.C. Nuclear design and economic comparison of a conventional and bullseye liquid-metal fast breeder reactor core 9—59121
Vitti, J.A., Galluzzo, N.G., Brittingham, J.C. Recommended CRBRP reload core designs using (U-Pu)C fuel 9—59155
Vitti, J.A. *see* Felten, L.D. 9—93703
Vittori, O. *see* Slinn, W.G.N. 9—62544
Vittoria, C. *see* Rado, G.T. 9—78530
Vittoria, V. *see* Araimo, L. 9—74210
Vittoz, B. *see* Baudraz, F. 9—79017
Vitukhnovskii, A.G., Zhevandrov, N.D. Luminescence of rhodamine 6G at the surface of a stilbene single crystal 9—56831
Vitulano, S. *see* Caianiello, E.R. 9—84061
Vitusevich, V.T. *see* Il'in, V.G. 9—51951
Vitushkin, L.F., Drukarev, E.G., Mikhailov, A.I. Splitting and coalescence of photons at a hydrogen-like atom 9—54815
Vitvits'kii, P.M., Kriven', V.A. Antiplane elastoplastic strain of a solid with rigid fine inclusions 9—50607
Vityaz', P.A. *see* Voroshnin, L.G. 9—60539
Vivalda, E., Sandri, S., Miotti, C. Real-time text processing for Italian speech synthesis 9—64438
Vives, C. On the drag coefficient of ferromagnetic cylinders in magnetodynamic liquids 9—72952
Vivian, H. Extensive showers and simultaneous floods in the Alpine range 9—66721
Viviani, A. *see* Delfino, B. 9—91357
Viviani, A. *see* Molinari, G. 9—91060, 9—91356
Vivien, D., Lejus, A.M., Collongues, R. EPR investigation of GD^{3+} in praseodymium sesquioxide single crystals 9—51850
Vivien, J.P., Schutz, Y., Beck, F.A., Bozek, E., Byrski, T., Gehringer, C., Merdinger, J.C. Multipolarity of the continuum γ-rays in ^{152}Dy and ^{160}Er via linear polarisation measurements 9—85408
Vivien, J.P. *see* Toulenmonde, M. 9—58998
Vivion, M.C., Wolf, K.E., Goldstein, R., Hirsch, J.E., McFarland, W.H. Toward objective analysis for electroencephalic audiometry 9—100632
Vizgin, V.I.P. Einstein and others: history of creation of general theory of relativity 9—84934
Vizi, I. *see* Chernoplekov, N.A. 9—51223
Vlachos, N.S. *see* Mishina, H. 9—89953
Vlachos, N.S. *see* Scrivener, O. 9—60034
Vlachy, J. Frequency distributions of scientific performance. A bibliography of Lotka's law and related phenomena 9—58524
Vlachy, J. Mobility in science. A bibliography of scientific career migration, field mobility, international academic circulation and brain drain 9—71220
Vlachy, J. Publication output of European physics 9—88776
Vlachy, J. Publication output of Soviet physics 9—88777
Vlachy, J. Publication output of world physics 9—88778
Vlachy, J. Nobel prizes. A bibliography of scientometric papers and data sources 9—97123
Vlachy, J. *see* Hustopecky, J. 9—58523
Vlachynsky, J., Polak, J. The determination of stress components during the loading cycle of copper 9—91725
Vlad, C.M. *see* Drzesik, D. 9—91690
Vlad, M. *see* Dinu, L. 9—90452
Vlad, M. *see* Tsois, N. 9—90475
Vladimirov, A.A. Methods of calculating many-loop diagrams and renormalization-group analysis of the ϕ^4 theory 9—58885
Vladimirov, A.B. *see* Arakelov, A.G. 9—82256
Vladimirov, S.A., Kresin, Yu.V. The Lie-Backlund groups and the Supersymmetry 9—80771
Vladimirov, S.A. *see* Bondarev, V.D. 9—71645
Vladimirov, V.I., Gorobei, N.N., Saralidze, Z.K. Motion of a dislocation across a transient Snoek atmosphere 9—73166
Vladimirov, V.I., Kusov, A.A. Modeling of the kinetics of development of a dislocation structure near the surface of a crystal 9—73167
Vladimirov, V.I., Kusov, A.A., Gorobei, N.N. Microstructural plastic instability of impurity crystals 9—99190
Vladimirov, V.I., Romanov, A.E. Motion of a partial disclination dipole under plastic deformation conditions 9—73165
Vladimirov, V.I. *see* Karpinskii, D.N. 9—69190
Vladimirov, V.V., Gorshkov, V.N. Instabilities of electron-hole plasma under impact ionization and microwave emission 9—65508
Vladimirov, V.V. *see* Boiko, V.A. 9—90433
Vladimirov, Yu.A. *see* Dobretsov, G.E. 9—70529
Vladimirov, Yu.A. *see* Dobretsov, G.Ye. 9—79450
Vladimirov, Yu.A. *see* Klebanov, G.I. 9—53056
Vladimirova, M.V., Kulikov, I.A. Liberation of hydrogen from aqueous solutions irradiated in nuclear reactors 9—100416
Vladimirskii, V.V. Baryon-antibaryon states with hidden color 9—93369
Vladimirsky, B.M. *see* Neshpor, Yu.I. 9—62932
Vladimirtsev, Yu.V., Golenishchev-Kutuzov, V.A., Migachev, S.A., Shamukov, N.A. Characteristics of optically induced changes in the refractive index of $LiNbO_3$ 9—73893
Vlahos, L. *see* Kundu, M.R. 9—96984
Vlahovici, A., Ionescu, C., Vlahovici, N. Fluorescence of 3-monomethylamino-N-methylphthalimide in mixtures of polar and nonpolar solvents 9—61425
Vlahovici, N. *see* Pirvulescu, C. 9—82990
Vlahovici, N. *see* Vlahovici, A. 9—61425
Vlasak, G., Hartmanova, M., Besedicova, S. The kinetics of barium precipitation at dislocations in NaCl monocrystals 9—60510
Vlasak, G. *see* Doupovec, J. 9—60283
Vlasenko, E.V., Suris, R.A. Influence of the image forces on the capture coefficient of neutral surface traps 9—51683
Vlasenko, L.S. *see* Bagraev, N.T. 9—65746, 9—73857, 9—78568, 9—90996, 9—95378, 9—95680
Vlasenko, L.S. *see* Bagrayev, N.T. 9—51879
Vlasenko, N.A., Nazarenkov, F.A., Rastrenenko, N.A., Sterligov, V.A., Tyagai, V.A. Photomodulation ellipsometry of germanium monoxide films 9—71510
Vlasenko, N.A., Nazarenkov, F.A., Sterligov, V.A., Tyagai, V.A. Hologram recording in amorphous germanium monoxide films 9—64186
Vlasenko, S.I., Kochmarev, L.Yu., Malafeev, Yu.S., Nikolaev, R.M., Popovich, V.P. A beam-plasma discharge without a magnetic field in a supersonic gas jet flowing into a high vacuum 9—55583
Vlasenko, V.M. *see* Yakovlev, A.P. 9—66098
Vlases, G.C. *see* Brooks, R.D. 9—60160
Vlasov, A.N. Complexes of the 'two impurity ions-vacancy' type in solid solutions CeO_2-rare earth oxide 9—95004
Vlasov, D.V., Garaev, R.A., Korobkin, V.V., Serov, R.V. Measurement of nonlinear polarizability in air 9—86224
Vlasov, D.V., Korobkin, V.V., Serov, R.V. Method for the determination of geometric parameters of quasi-Gaussian laser beams 9—64265
Vlasov, E.V. *see* Givernaud, A. 9—58982
Vlasov, G.I. *see* Vale, G.K. 9—56851
Vlasov, K.B., Rinkevich, A.B., Nasyrov, R.Sh. Temperature dependence of the absorption of ultrasonics in tungsten 9—51203
Vlasov, K.B. *see* Pravdin, L.S. 9—51831
Vlasov, K.P. *see* Andrievskii, R.A. 9—77641
Vlasov, M.K. *see* Burgov, N.A. 9—97710
Vlasov, M.N. *see* Chernyshev, V.I. 9—62653
Vlasov, N.G., Lapshina, N.A., Ryabova, R.V., Semenov, S.P. Rainbow holograms of reflecting objects 9—59659
Vlasov, N.G. *see* Bogomolov, A.S. 9—54096
Vlasov, P.G. *see* Nechaev, Yu.R. 9—83357
Vlasov, S.A., Kalashnikov, V.N. The scale effect in the laminar flow of dilute solutions of polymers in tubes 9—86472
Vlasov, S.I. *see* Berman, L.S. 9—56299, 9—82628
Vlasov, S.N. Suppression of filamentation in a periodic system 9—59777
Vlasov, S.V. Fluorination kinetics of graphite 9—96284
Vlasov, V.G. *see* Leont'ev, Yu.A. 9—78954
Vlasov, V.I. Solar wind velocity measurement by radioastronomical observations of travelling interplanetary phenomena 9—80185
Vlasov, V.I. Radio imagery of the turbulent interplanetary plasma 9—92645
Vlasov, V.P. *see* Velikhov, E.P. 9—71955
Vlasov, V.V. *see* Burtseva, V.A. 9—91892
Vlasov, Ye.V., Ginevskiy, A.S., Karavosov, R.K. Response of unstable laminar boundary layer to acoustic excitation 9—98681
Vlasova, A.A., Shneider, V.E. Relaxation processes in order-disorder phase transitions under short-range correlation conditions 9—73889
Vlasova, A.A. *see* Belosludov, V.R. 9—93074
Vlasova, E.S. *see* Gorelik, S.S. 9—52199, 9—52230
Vlasova, N.I., Demkina, L.I., Karaseva, V.I., Alekseeva, K.G., Guseva, V.M., Evarnitskaya, A.G., Ronis, D.F. Attenuation spectra of optical glasses 9—50361
Vlasova, R.M. *see* Berlin, A.A. 9—65461
Vlasova, R.M. *see* Khursandova, S.M. 9—99885
Vlasse, M., Kasper, J.S., Ploog, K. Crystal structure of tetragonal boron related to α-AlB_{12} 9—77551
Vlasse, M., Saux, M., Echegut, P., Villeneuve, G. Crystallographic and nuclear magnetic resonance study of the oxyfluoride ScOF 9—90618
Vlasse, M. *see* Amara, M.B. 9—73143
Vlasse, M. *see* Boukhari, A. 9—99129
Vlasse, M. *see* Fournes, L. 9—99163
Vlcek, J. *see* Husak, V. 9—88188
Vleck, J.H.Van *see* Van Vleck, J.H.
Vliet, K.M.Van *see* Van Vliet, K.M.
Vlimmeren, Q.A.G.van *see* van Vlimmeren, Q.A.G.
Vloedt, A.M.V.van der *see* van der Vloedt, A.M.V.
Vnuchkov, G.A., Zhulin, I.A., Kopaev, I.M., Osipov, N.K., Pidgirnyak, Ya.E., Tsybul'skii, V.S. Measurements of the electric field and conductivity of the auroral ionosphere during substorms 9—80073
Vnuk, F., Sahoo, M., Van De Merwe, R., Smith, R.W. The hardness of Al-Si eutectic alloys 9—52354
Vo Han Fuk, Chetverikov, V.M. Generalized solitons of the Schrodinger equation with unitary nonlinearity 9—71294
Vo Ky Lan *see* Buckley, B.D. 9—59571
Vo Ky Lan *see* Le Dourneuf, M. 9—85909
Vobecky, M. *see* Randa, Z. 9—57332
Voboril, J. *see* Kudrman, J. 9—91886, 9—96262
Vobornik, S. *see* Ljolje, K. 9—55831
Voci, C. *see* Fidecaro, G. 9—85343
Vocilka, J. *see* Teply, J. 9—76181
Vodak, F. The macrocontinuum model of a mixture and a discrete multi-constituent system 9—94482
Vodolazkin, V.I. *see* Danilkin, N.P. 9—58153
Vodopyanov, A. *see* Gorlich, L. 9—71766
Vodop'yanov, L.K., Golubev, L.V., Aleshchenko, Yu.A., Allakhverdiev, K.R., Salaev, E.Yu. Raman scattering spectra of InSe crystals 9—69846
Vodopyanov, L.K. *see* Abdullaev, G.B. 9—99883
Vodopyanov, L.K. *see* Allakhverdiev, K.R. 9—56804
Vodop'yanov, L.K. *see* Mityagin, Yu.A. 9—69848
Vodyanitskaya, M.A. Metrological servicing in the USSR ministry of land reclamation and water management 9—96496
Vodynets, A.Z. *see* Gukhman, A.A. 9—60051
Voegele, A.L., Jesse, R., Russell, W., Baker, J. Computer-operated sample control and identification system 9—96402
Voegeli, O. *see* Jones, C.A. 9—51827
Voelker, F. *see* Behrsing, G.U. 9—54661
Voevodin, V.N. *see* Zelenskii, V.F. 9—71898
Voevodin, V.P., Malysheva, E.B., Bushuev, Yu.G., Serzhant, A.A. Investigation into interaction between niobium and Sn-Al melts 9—70221
Vogel, A. Solidification science helps develop new foundry technology 9—78952
Vogel, A. *see* Baltay, C. 9—75770
Vogel, A. *see* Nitu, R. 9—63677
Vogel, F.L. *see* Zeller, C. 9—99590
Vogel, F.S. *see* Kraft, L.M. 9—66489
Vogel, H. *see* Vaz, W.L.C. 9—83693
Vogel, H.F. *see* Thompson, P.A. 9—68115
Vogel, H.G., Hilgner, W. The 'step phenomenon' as observed in animal skin 9—70569

Vogel, J.A., Roelandt, J., Bom, N., Zeelenberg, C., Verbeek, P.W., Bayer, T. Graphic presentation of two-dimensional cardiac structures in motion 9—70597

Vogel, J.M., Cline, J.W., Harrison, J.F., Ullola, G.A., McDonald, R.J. Microcomputer based dual energy photon absorptiometric bone mineral analyzer (VCH) 9—53218

Vogel, P. *see* Davis, B.R. 9—67791

Vogel, R.F. Variational limits on piezoelectric problem parameters 9—81594

Vogel, W. Commanding a view of analysis on the move 9—83536

Vogel, W., Hosemann, R. The paracrystalline nature of pyrolytic carbons 9—77451

Vogel, W. *see* Bissem, H.H. 9—54712

Vogel, W. *see* Bussemer, P. 9—65848

Vogel, W. *see* Schubert, M. 9—98019

Vogelbein, W. *see* Predel, B. 9—66337

Vogelsang, W.F. *see* Cheng, E.T. 9—81086

Vogelsberger, W. On the use of chemical potentials in the condensation of a pure vapour 9—86880

Voget-Grote, U. *see* Bachus, R. 9—61216

Voget-Grote, U. *see* Holzenkampfer, E. 9—61213

Voggiano, J.M. *see* Laibowitz, R.B. 9—65614

Vogl, G. *see* Nakagawa, M. 9—60355

Vogl, O. *see* Helbig, M. 9—70036

Vogl, O. *see* Weill, G. 9—73833, 9—73834

Vogl, P. Magneto-optical pinning phenomena in PbTe 9—82962

Vogl, P., Fantner, E.J., Bauer, G., Lopez-Otero, A. Far infrared magneto-optical studies of $Pb_{1-x}Sn_xTe$ 9—61343

Vogl, P. *see* Hess, K. 9—73597

Vogler, F. *see* Schneider, S. 9—89284

Vogler, H. Improved uncoupled Hartree-Fock (IUCHF) perturbation methods and bounds for the second-order energy in coupled Hartree-Fock perturbation theory 9—85884

Vogler, H. Calculations of proton shieldings in conjugated hydrocarbons 9—98121

Voglewedge, J.C. *see* Routbort, J.L. 9—49681

Vogt, B.A., Rosene, D.L., Pandya, D.N. Thalamic and cortical afferents differentiate anterior from posterior cingulate cortex in the monkey 9—66468

Vogt, E. *see* Negele, J.W. *(editor)* 9—75879

Vogt, G.J. *see* Hsi, E. 9—78552

Vogt, H., Neumann, G. Observation of infrared active and silent modes in cubic crystals by hyper-Raman scattering 9—61376

Vogt, H. *see* Cochet, C. 9—80854

Vogt, H. *see* Nitsche, R. 9—57315

Vogt, H. *see* Prior, Y. 9—81487

Vogt, H. *see* Stephan, K. 9—79258

Vogt, K.H. *see* Korting, H.J. 9—53290

Vogt, N. OY Carinae 9—53823

Vogt, N. EK Trianguli Australis 9—75222

Vogt, N., Faundez A, M. Photoelectric observations of peculiar A and related stars. I. Strömgren photometry of 341 Ap stars 9—71047

Vogt, N. *see* Haefner, R. 9—88669

Vogt, O. *see* Bartholin, H. 9—56535, 9—65673

Vogt, O. *see* Busch, G. 9—56515

Vogt, O. *see* Erbudak, M. 9—78831

Vogt, O. *see* Furrer, A. 9—78352

Vogt, O. *see* Rossat-Mignod, J. 9—51750

Vogt, P.R., Kovacs, L.C., Taylor, P.T., Johnson, G.L. Detailed aeromagnetic investigation of the Arctic Basin 9—70746

Vogt, P.R. *see* Feden, R.H. 9—88313

Vogt, R.E. *see* Mewaldt, R.A. 9—92741, 9—96867

Vohl, P. Synthesis and crystal growth of $CdGeP_2$ 9—87577

Vohra, K.G. *see* Lakshmanan, A.R. 9—91507

Vohra, Y.K. Electronic basis for omega phase stability in Group IV transition metals and alloys 9—91616

Vohra, Y.K., Sikka, S.K., Chidambaram, R. Electronic structure of omega phase of titanium and zirconium 9—90952

Voichishii, K.S. Algorithm for the normalisation of stochastic cycles according to period 9—75117

Voichishin, K.S. Analysis of amplitude-phase disturbances of the rhythmic structure of Wolf numbers 9—62806

Voicu, I. *see* Ursu, I. 9—91296

Voiculescu, G. *see* Abou-Leila, M.A.A. 9—85576

Voiculescu, G. *see* Grama, C. 9—85867

Voiers, W.D. Toward the development of practical methods of evaluating speaker recognizability 9—64434

Voigt, H.D. *see* Strobel, W. 9—94579

Voigt, J. *see* Arthur, M.D. 9—94775

Voigt, J. *see* Dietrich, B. 9—78704

Voigt, J. *see* Greenberg, W. 9—97314

Voigt, J. *see* Henneberger, F. 9—83010

Voigt, J. *see* Puls, J. 9—91492

Voigt, M.J.A.de *see* de Voigt, M.J.A.

Voigt, M.J.A.De *see* De Voigt, M.J.A.

Voinov, O.V. Calculation of gas bubble form in a potential flow 9—86490

Voiron, J. *see* Beille, J. 9—56532, 9—61120

Voisin, P., Voos, M., Benoiot a la Guillaume, C. Luminescence lineshape of free excitons and electron-hole drops in Si 9—99942

Voitekhova, E.A., Novikov, I.I., Olikheiko, M.S. Crystallographic studies in the scanning electron microscope 9—86657

Voitenko, A.F., Blashchuk, V.E. Effect of low temperatures on the elastic modulus of commercial titanium alloys 9—66100

Voiteshonok, L.A. *see* Fursova, K.S. 9—52295

Voitik, M.G., Molchanov, A.G. Stability of a preionized electric discharge in a mixture of inert gases and halogens 9—64865

Voitlander, J. *see* Herberg, H. 9—91315

Voitlander, J. *see* Krieger, R. 9—56620

Voitovich, L.N., Girshovich, T.A., Korzhov, N.P. Experimental investigation of the initial section of a circular turbulent jet in a transverse flow 9—94690

Voitovich, R.F., Golovko, E.I. Oxidation of hafnium alloys with iron 9—52460

Voitovich, R.F., Golovko, E.I. Oxidation of Ti-Ta and Ti-Nb alloys 9—74301

Voitovich, R.F., Golovko, E.I. Oxidation of titanium carbide at various oxygen pressures 9—96172

Voitovich, R.F., Golovko, E.I. Oxidation of intermetallic phases containing titanium, zirconium, and hafnium 9—100298

Voitsehovski, A.V., Broudnyi, V.N., Lilenko, Yu.V., Krivov, M.A., Petrov, A.S. High temperature defects in electron irradiated semiconductors HgCdTe, PbSnTe 9—78122

Voitsekhovskaya, O.K. *see* Banakh, G.F. 9—58088

Voitsekhovskii, A.V., Manzhara, V.S., Stetsenko, T.P. Spectral investigations of single crystals of GaP-ZnSe solid solutions 9—91498

Voitsekhovskii, A.V., Panchenko, L.B., Manzhara, V.S. Optical properties of solid solutions of the system GaP-ZnS 9—74003

Voitsekhovskii, A.V. *see* Borsht, V.V. 9—95446

Voitsekhovskii, A.V. *see* Brudnyi, V.N. 9—56227

Voitsenja, T.I. *see* Sikora, A.V. 9—56868

Voitsenya, T.I., Gritsyna, V.T., Litvinov, L.A. Thermoluminescence spectra of magnesium-aluminum spinel crystals 9—65938

Voitsenya, V.S., Voloshko, A.Yu., Rudakov, V.A., Solodovchenko, S.I., Shtan', A.F. The investigation of characteristics of plasma drift oscillations in a stellarator with a high shear 9—98887

Voitski, L.R. *see* Erozolimskii, B.G. 9—97625

Voituriez, B., Herbland, A. The use of the salinity maximum of the Equatorial Undercurrent for estimating nutrient enrichment and primary production in the Gulf of Guinea 9—84283

Voivodov, K.I. *see* Galunsky, B.P. 9—61920

Voj, P. *see* Glinsky, H.W. 9—97866

Vojak, B.A. *see* Holonyak, N., Jr. 9—74275

Vojdani, S., Woollam, V.J. Solar energy R&D in Iran: the approach and the philosophy 9—57377

Vojdani, S., Woollam, V.J. Solar thermal electrical power plants for Iran 9—74500

Vojta, G. *see* Goedsche, F. 9—51541

Vojtechowski, K. The measurement of the silicon layer thickness during growth 9—97355

Vojtik, J., Polak, R. On the multidimensional 'avoided surface crossing' problem 9—89619

Vokak, F. Discontinuity surface in a fluid system: local equilibrium 9—84960

Vokhmin, P.A. *see* Pyatnitskii, L.N. 9—64923

Vokhnik, O.M., Nikitin, I.V., Odintsov, V.I. Delay of broadband-pumped stimulated Raman gain 9—50351

Vokhnik, O.M. *see* Korolev, F.A. 9—98443

Vokovich, F.M. A note on air quality in high pressure systems 9—83664

Volarovich, M.P., Budnikov, V.A. Velocities of elastic waves and v_P/v_S ratios in dry and water-saturated rock samples at high pressure 9—92529

Vol'berg, Yu.L., Shabanin, V.V. Testing the corrosion stability of metals 9—70248

Volchek, A.D. *see* Korsunskii, M.I. 9—88952

Volchenko, Yu.A. *see* Pekarskii, G.Sh. 9—75539

Volchkov, E.P., Koz'menko, V.K., Lebedev, V.P. Experimental study of gas-film cooling efficiencies in supersonic axisymmetric nozzles 9—98715

Volchkov, E.P., Sinayko, Ye.I., Terekhov, V.I. Heat and mass transfer in a nonisothermal, turbulent suction-controlled boundary layer 9—77102

Volchkov, L.G., Kozlov, F.A., Likharev, V.A., Nalimov, Yu.P., Tonov, B.I. Regeneration of cold traps for impurities in liquid-metal coolants 9—76091

Volchok, I.P. Critical size of nonmetallic inclusions in fracture in steel 9—83322

Vold, P.B., Cline, D., de Voigt, M.J.A., Hansen, O., Nathan, O. A study of the two-particle states in ^{42}Sc from the $^{41}Ca(^3He,d)$ reaction 9—63591

Vold, P.B. *see* Thorsteinsen, T.F. 9—59077

Vold, R.L. *see* Kratochwill, A. 9—99782

Vold, R.L. *see* Stark, R.E. 9—95669

Vold, R.L. *see* Vold, R.R. 9—73840, 9—95662

Vold, R.R., Vold, R.L. Nuclear spin relaxation and slow motion of solutes in nematic liquid crystals 9—95662

Vold, R.R., Vold, R.L., Szeverenyi, N.M. Nuclear magnetic relaxation and molecular reorientation of dicyanoacetylene in hydrocarbon solutions 9—73840

Vold, R.R. *see* Kratochwill, A. 9—99782

Vold, R.R. *see* Stark, R.E. 9—95669

Voldiner, I.I. *see* Kozyrev, V.S. 9—74875

Vol'fkovich, Yu.M. Connection between electrochemical and capillary characteristics of electrochemical cells with capillary membrane. General principles 9—61874

Vol'fkovich, Yu.M. Relation between the electrochemical and capillary characteristics of electrochemical cells with a capillary membrane. Analysis for porous electrodes 9—91967

Vol'fkovich, Yu.M., Sosenkin, V.E. Liquid distribution across porous bodies 9—69326

Volfova, E. *see* Zelinger, J. 9—57047

Vol'fson, R.E. *see* Gaodu, A.N. 9—52258

Volgin, L.I., Gonchar, S.T. Assessing errors along scale of noise-level meters 9—67244

Volgyesi, G. *see* Kattan, M. 9—62379

Volino, F. *see* Brot, C. 9—69038

Volino, F. *see* Dianoux, A.J. 9—50991

Voljin, V. *see* Danis, A. 9—79809

Volk, G.J. *see* Rauchas, A.V. 9—67997

Volk, G.J. *see* Suddeth, D.E. 9—72131

Volk, H. *see* Morfill, G. 9—58401

Volk, H.J., Jones, F.C., Morfill, G., Roser, S. Induced velocities of grains embedded in a turbulent gas 9—58402

Volk, R. *see* Fill, E.E. 9—50316

Vol'kenshtein, M.V. *see* Belintsev, B.N. 9—92117

Volkenshtein, N.V., Startzev, V.E., Dyakina, V.P., Cherepanov, A.N. Giant thermopower oscillations due to magnetic breakdown trajectories in ruthenium 9—60688

Volkenshtein, N.V. *see* Startsev, V.E. 9—95389

Volkhontsev, I.B. *see* Volkhontsev, S.B. 9—83271

Volkhontsev, S.B., Volkhontsev, I.B., Militsyn, K.N. Effect of phosphorus on the properties of hypoeutectic and eutectic Silumins 9—83271

Volkin, H.C. Calculation of short-pulse propagation in a large CO_2-laser amplifier 9—76730

Volkl, J., Alefeld, G. Diffusion of hydrogen in metals 9—82390

Volkl, J. *see* Alefeld, G. 9—82350

Volkl, J. *see* Alefeld, G. *(editor)* 9—82349

Volkomirskaya, L.B. *see* Fonarev, G.A. 9—62600

Volkonskii, N.Yu. Hadron form factors and structure functions in parton model 9—93381

Volkonskii, V.B., Golovkov, A.A., Goncharov, Yu.V., Kalinkos, D.A., Popov, Yu.V., Yakovlev, V.V. Wide-band standing-wave light modulators 9—72689

Volkonskii, V.B., Popov, Yu.V., Yakovlev, V.V. Modulation phase nonuniformity over the cross section of a light beam [phase light rangefinder] 9—50400

Volkonskii, V.B., Popov, Yu.V., Yakovlev, V.V. Choosing the operating frequencies of a laser rangefinder 9—72691

Volkov, A.A. *see* Baranov, D.S. 9—54334

Volkov, A.A. *see* Bugorskii, A.P. 9—68119

Volkov, A.A. *see* Burgorskii, A.P. 9—97641

Volkov, A.A. *see* Meriakri, V.V. 9—56756

Volkov, A.A. *see* Petzelt, J. 9—73955

Volkov, A.B. *see* Lichtner, P.C. 9—93535, 9—93536

Volkov, A.E., Likhachev, V.A., Shikhobalov, L.S. Theory of grain boundaries as independent crystal imperfections 9—82236

Volkov, A.F., Ivanova, L.A., Venevtsev, Yu.N. Nuclear quadrupole resonance of ^{209}Bi in $BiVO_4$ 9—82891

Volkov, A.F. *see* Artemenko, S.H. 9—73641

Volkov, A.F. *see* Artemenko, S.N. 9—56435, 9—78273

Volkov, A.S. Automatic processing of radiographs 9—66242

Volkov, A.V. *see* Semenov, A.P. 9—70280

Volkov, B.A., Kantser, V.G., Kopaev, Yu.V. Ferromagnetism of electrons in the filled band 9—78300

Volkov, B.A. *see* Anisimov, O.K. 9—54633

Volkov, D.I. *see* Borishanskiy, V.M. 9—90244, 9—90250

Volkov, D.P., Zubkov, Yu.N. Vibrations in a drive with a harmonic gear transmission 9—88949

Volkov, G.A. Criterion for determining a series of ionic specificities in membranes of biological and non-biological origin for monovalent ions 9—57597

Volkov, G.G., Liparteliani, A.G., Nikitini, Yu.P. On universality of effective Fermi interaction constant in the theory with right currents 9—58921

Volkov, G.G., Liparteliani, A.G., Nikitin, Yu.P. Quadruplet scheme of weak interactions 9—97566

Volkov, G.G. *see* Baranov, D.S. 9—54334, 9—58953, 9—80821

Volkov, M.K. Decays of the main mesonic octet in the chiral quantum field theory 9—63471

Volkov, M.K., Kreopalov, D.V., Ebert, D. K_{l4} decay in chiral quantum field theory 9—67550

Volkov, N.G., Emel'yanov, V.M., Kraynov, V.P. Charge distribution of $^{236}U^{*}$ fission fragments taking into account the angular momentum of the compound nucleus 9—59102
Volkov, N.I. *see* Belov, N.V. 9—70253
Volkov, N.N. *see* Gel'berg, M.G. 9—101017
Volkov, S.D. Strength and the mechanics of failure 9—64591
Volkov, S.D., Dubrovina, G.I., Sokovnin, Yu.P. Stability of material strength in mechanics of fracture 9—57117
Volkov, S.D. *see* Adamescu, R.A. 9—91700
Volkov, S.D. *see* Druzhinina, T.V. 9—52291
Volkov, S.N. Some aspects of the DNA hypochromic effect theory 9—96515
Volkov, S.S. *see* Alkhazov, G.D. 9—80938
Volkov, S.V. Spectroscopy of molten salts 9—69832
Volkov, S.V. *see* Gerasimchuk, A.I. 9—59358
Volkov, V.A., Kuranov, A.A., Masharov, S.I., Syutkin, P.N. Electrical resistance of ternary ordering ferromagnetic alloys 9—56189
Volkov, V.A., Sandomirskii, V.B. On the theory of a natural (orientational) superlattice in a two-dimensional electron gas 9—99598
Volkov, V.A., Titarov, S.I., Tkachenko, B.K. Study of argon at high particle concentrations 9—55471
Volkov, V.G. *see* Velikhov, E.P. 9—71955
Volkov, V.I. *see* Borshch, A.A. 9—81511
Volkov, V.L. *see* Dugaev, V.K. 9—61319
Volkov, V.L. *see* Litvinov, V.I. 9—87403
Volkov, V.S. *see* Pokrovskii, V.N. 9—50613, 9—52293
Volkov, V.V. Particle identification systems including magnetic analysis 9—72181
Volkov, V.V., Bokov, V.A., Sher, E.S., Trofimova, T.K. Effect of material parameters on critical velocity of domain walls in epitaxial films of rare-earth iron garnets 9—99740
Volkov, V.V. *see* Artukh, A.G. 9—67766
Volkov, V.Ya. *see* Velikanov, G.A. 9—92194
Volkov, Ya.A. *see* Storozhenko, V.A. 9—52606
Volkov, Yu.M., Ignat'ev, A.I., Kolomenskii, G.A., Lakovichev, E.F., Makhnovskii, E.D., Nadtochii, A.V., Popov, V.V., Fominenko, V.P., Chikhov, V.P. Alpha-decay of giant resonances of Ni^{58} nuclei 9—85434
Volkova, E.A., Etsina, A.L. Method of determining the refractive index of solids 9—95722
Volkova, G.A., Kirillova, N.N., Podmoshenskii, I.V., Smolyar, T.Ya. Effect of light from a flashlamp on air (motion of heated air) 9—64299
Volkova, G.A., Kochkina, V.M., Sinitsyna, N.I., Torchinskii, Yu.M., Braunshtein, A.E., Voronova, A.A., Vainshtein, B.K. Preparation of orthorhombic crystals of chicken cytosol aspartate-transaminase and determination of its unit cell 9—57577
Volkova, G.A., Podmoshenskii, I.V., Smolyar, T.Ya. Action of the radiation from a pulsed lamp on air. Reduction in the breakdown potential 9—94767
Volkova, G.A., Pukhov, A.M. Argon flash lamp for the vacuum-ultraviolet region of the spectrum 9—93236
Volkova, L.M., Samarets, L.V., Polishchuk, S.A., Lantash, N.M. Crystal structures of zinc and cadmium hydroxyfluorides 9—60344
Volkova, L.V., Zatsepin, G.T., Kuz'michev, L.A. Cosmic ray muon spectrum at sea level—primary cosmic ray nucleon spectrum 9—62709
Volkova, N.V., Sal'nikova, S.F., Tsirul'nik, P.N. Nature of the cord-like defects in KBr crystals 9—72636
Volkova, T.A. *see* Levin, B.M. 9—81510
Volkova, V.I. *see* Chupriyanova, N.Ye. 9—92162
Volkova, V.V., Chernobrovkin, D.I., Mishanin, N.D. Use of rare-earth metal modifying additives in thin films 9—78211
Volkova, V.V., Dubovenko, A.F., Tatarintsev, B.V., Yakhkind, A.K. Ion exchange in glasses of the potassium lead silicate system during leaching in nitric acid solutions 9—100358
Volkovitskii, P.E. *see* Anisovich, V.V. 9—49532
Volland, W.V., Davidson, E.R., Thatcher Borden, W. Effect of carbon atom pyramidalization on the bonding in ethylene 9—93936
Vollath, D. Methods of characterizing fuel structure 9—49802
Vollath, D. *see* Mengel, P. 9—49687
Volle, V.M., Voronkov, V.B. Behavior of cobalt in silicon 9—69525
Vollerner, N.F. Noise immunity of underwater acoustic arrays in the presence of weak external disturbances 9—64386
Vollhardt, D., Kumar, P. l-texture effects on magnetic resonance in superfluid ^{3}He 9—60583
Vollhardt, D., Maki, K. Flow-induced soliton lattice in superfluid ^{3}He-A 9—82407
Vollhardt, D. *see* Lin-Liu, Y.R. 9—95235
Vollmar, H. *see* Gspann, J. 9—50113, 9—93257
Vollmer, H.D., Risken, H. Distribution functions for the Brownian motion of particles in a periodic potential driven by an external force 9—88881
Vollmer, H.D. *see* Risken, H. 9—63156
Vollmer, H.-P. *see* Maslowski, S. 9—81563
Vollmer, R. *see* Hawkesworth, C.J. 9—74873
Vollradt, J. *see* Brosche, D. 9—89487
Volluet, G. Optical probing of magnetoelastic Rayleigh waves 9—78495
Vol'nov, M.I. *see* Vergunov, V.B. 9—68401
Volodichev, N.N., Kolesov, G.Ya., Podorol'skii, A.N., Savenko, I.A., Suslov, A.A. Delay in the arrival of high-energy protons from the solar flare of April 29, 1973 9—62694
Volodin, A.G., Zel'man, M.B. Three-wave resonance interaction of disturbances in a boundary layer 9—90264
Volodin, A.P. *see* Troyanovskii, A.M. 9—60893
Volodin, V. *see* Aksinenko, V. 9—97713
Volodin, V.D., Glagoleva, N.S., Kaminskii, N.I., Matyushevskii, E.A., Matyushin, A.T., Matyushin, V.T., Trofimov, V.A. Four-electrode streamer chamber 9—68135
Volodin, V.D., Glagoleva, N.S., Matyushin, A.T., Matyushin, V.T., Musul'manbekov, Zh.Zh., Nurgozhin, N.N. Filmless method of controlling the memory time of a streamer chamber 9—97940
Volodin, V.I., Ivanov, O.P., Mikhalevich, A.A. Condensation in a tube of an exhaust gas stream in the approximation of a boundary layer with suction 9—59971
Volodin, V.I. *see* Kuprin, A.I. 9—70240
Volodin, V.P. *see* Averkin, B.A. 9—100221
Volodina, G.A. *see* Kiparisov, S.S. 9—100267
Volod'ko, L.V., Sevchenko, A.N., Chernyavskii, A.F., Demchuk, M.I., Malevich, I.A., Yakushev, A.K. Multichannel time analyzers for luminescence spectroscopy 9—85185
Volod'ko, L.V., Zazhogin, A.P., Titkov, E.F., Komyak, A.I., Sleptsov, S.E. Effect of defects on the fine structure of vibronic luminescence bands of crystals of uranyl compounds 9—87489
Volodyagin, Yu.S., Korotkii, A.A., Kudryavtsev, V.N. Analog meter for the ratio of the signals from position-sensitive semiconductor detectors 9—97943
Vologdin, A.G. *see* Mirkotan, S.F. 9—75038
Vologdin, V.K. *see* Bondarenko, A.N. 9—94243
Vologodskii, A.V., Anshelevich, V.V., Lukashin, A.V., Frank-Kamenetskii, M.D. Statistical mechanics of supercoils and the torsional stiffness of the DNA double helix 9—83702
Vologodskii, V.B. Canonical quantization of nonlocal theory with a form factor in the interaction Lagrangian 9—75691
Volokhovskaya, O.A., Podalkov, V.V. Influence of the grain size of a polycrystal on the shape of the deformation curve 9—51191
Volokitin, A.I., Karpushin, A.A. Calculation of the chemisorption of oxygen in (111) germanium surface based on the surface-molecule model 9—90885
Volokitin, A.I., Karpushin, A.A. Ground-state energy in the Anderson model 9—99511
Volosevich, P.Yu. Austenite lattice stability loss near the temperatures of the phase transitions $\gamma \rightarrow \alpha$ and $\gamma \rightleftarrows \varepsilon$ 9—61584
Volosevich, V.V. *see* Vinogradov, G.V. 9—50690
Voloshchuk, A.I., Golovchenko, Yu.M., Zavgorodnyii, A.Ya., Zelenskii, V.F., Konotop, Yu.F. Correlation of character of swelling and thermal creep of some uranium alloys 9—74226
Voloshin, A., Arcan, L. Failure of glass-epoxy lamina—fractographic study 9—96111
Voloshin, I.F. *see* Vas'kin, V.V. 9—87122
Voloshin, M.B. Sum rules for T-family formation in the $e^{+}e^{-}$ annihilation 9—54347
Voloshin, M.B. On dynamics of heavy quarks in a non-perturbative QCD vacuum 9—80795
Voloshin, S.A., Nikitin, Yu.P. Method of complex angular momenta and increase of the effective longitudinal distances at high energies 9—49541
Voloshin, S.A., Nikitin, Yu.P. Planar diagrams and applicability of Abramovsky-Gribov-Kancheli relations to hadron-nucleus interactions 9—93670
Voloshko, A.Yu. *see* Voitsenya, V.S. 9—98887
Volosov, D.S. Present status and future prospects of objective lens manufacturing 9—94323
Volosov, V.I. *see* Bekhtenev, A.A. 9—55480, 9—55535
Volossov, A.A., Kiydel'mann, Kh.A., Oskolkov, I.N., Roosnupp, A.Ya., Shutov, K.G. Thyristor devices, type TPU, for power supply of luminaires at television and motion picture stages 9—58816
Volotovskii, I.D. *see* Baranova, L.A. 9—57564
Volotskaya, V.G., Musienko, L.E., Dmitrenko, I.M. Critical current hysteresis due to electron overheat in narrow superconducting films 9—56449
Volotskoi, M.P., Terukov, E.I. Method of analyzing the pressure-temperature phase diagrams of transition-metal oxides with a metal-semiconductor phase transition 9—87132
Volov, V.T., Shakhov, V.G. Study of radial diffusors with flow swirl 9—86445
Volovets, L.D., Zlatin, N.A., Pugachev, G.S. Formation of submicroscopic cracks in polymethyl methacrylate subject to dynamic extension (splitting) 9—70171
Volovets, L.D., Zlatin, N.A., Pugachev, G.S. Destruction of solids on a microsecond time scale 9—70172
Volovik, A.I. Optimization of ^{238}Pu production from ^{237}Np 9—71936
Volovik, G.E., Dotsenko, V.S. Poisson brackets and continual dynamics of the vortical lattice in rotating He II 9—73359
Volovik, V.D., Kalinichenko, A.I., Lazurik, V.T., Popov, G.F. The acoustic detection of high-energy particles in water 9—59307
Volovik, V.D., Kobizskoi, V.I. Liquid ultrasonic meter for the intensity of pulsed beams of charged particles 9—68110
Volovov, V.I. Space scales of the fluctuations of signals reflected from the ocean bottom 9—90066
Volovov, V.I., Krasnoborod'ko, V.V., Lysanov, Yu.P., Sechkin, V.A. Isotropicity of the correlation characteristics of signals reflected from the ocean bottom 9—86284
Volpi, A.De *see* De Volpi, A.
Volpi, M. *see* Naccache, P.H. 9—88095
Volponi, F. *see* Uyeda, S. 9—66653
Volpp, J., Schuch, R., Nolte, G., Schmidt-Bocking, H. $K_{\alpha}^{h}/K_{\alpha\alpha}$ branching ratios of S and Ar in dependence on S projectile-charge state 9—63947
Vol'skii, E.P., Gapotchenko, A.G., Itskervich, E.S., Teplinskii, V.M. Effect of pressure on the Fermi surfaces in molybdenum and tungsten dioxides 9—77988
Vol'ter, V.G., Sviridov, A.N. Low-pressure pulsed CO_2 laser and its use for scribing pyroceramic plates 9—52410
Voltolini, C. *see* Braun, H. 9—58969, 9—93450
Vol'tsinger, N.Ye. *see* Laykhtman, D.L. 9—53358
Voltsit, V.V., Drazhan, A.V., Zuev, V.A., Ivaniichuk, M.T., Korbutyak, D.V., Litovchenko, V.G. Photoluminescence of gallium arsenide doped by silicon implantation 9—69887
Volukhova, T.G. *see* Borishanskiy, V.M. 9—77222
Volynets, A.Z., Postnikov, V.M. Numerical study of the two-dimensional flow of a binary mixture with a vapor-ice phase transition at the channel wall 9—94617
Volynets, F.K. Summary and future prospects of optical ceramic development 9—81495
Volynets, F.K. *see* Chernevskaya, E.G. 9—72725
Volynova, T.F. *see* Gulyaev, A.P. 9—56979
Volyushko, K.I. *see* Belai, G.E. 9—52814
Volz, A. *see* Fabian, P. 9—84384
Volz, F.E. Sulfuric acid in KBr pellet spectroscopy 9—88034
Volz, R.J., Christensen, D.A. A neonatal fiberoptic probe for oximetry and dye curves 9—70603
Volz, R.J., Christensen, D.A. LED reference channel nonlinearities 9—78158
Vompe, G.A. *see* Rozenshtein, I.M. 9—52479
von Allmen, M., Luthy, W., Siregar, M.T., Affolter, K., Nicolet, M.A. Annealing of silicon with 1.06 μm laser pulses 9—69913
von Allmen, M. *see* Roulet, M.E. 9—99989
von Allmen, M. *see* Siregar, M.R.T. 9—82939
von Allmen, M. *see* Wittmer, M. 9—70366, 9—99438
von Alpen, U. Li_3N: a promising Li ionic conductor 9—99361
von Alpen, U., Bell, M.F., Wichelhaus, W., Cheung, K.Y., Dudley, G.J. Ionic conductivity of $Li_{14}Zn(GeO_4)_4$ (Lisicon) 9—55922
von Arx, A.V. *see* Felten, L.D. 9—93703
von Backstrom, J.W., Jacob, R.E. Uranium in South Africa and South West Africa (Namibia) 9—84268
von Baeyer, H.C., Leiter, D. Nuclear recoil corrections to the lifetime of bound muons 9—68331
von Baltz, R. *see* Kraut, W. 9—69545
von Bassewitz, H., Schneider, K. Development and testing of the ULP solar array 9—52940
von Bergmann, H.M., Hasson, V. Apparatus for the production of photopreionisation-stabilised nanosecond discharges at high temperatures and pressures 9—98982
von Boehm, J. *see* Isomaki, H. 9—95322
von Boehm, J. *see* Krusius, P. 9—94950
von Boetticher, H., Helmers, H., Muschol, E.-M. Contributions to depth discrimination γ-γ-coincidence methods in scintigraphy 9—53235
Von Boetticher, H. *see* Helmers, H. 9—92351
von Burg, K., Zschokke-Granacher, I. Singlet exciton fission in pure and doped anthracene 9—69877
Von Dardel, G. *see* Albrow, M.G. 9—75805
Von Der Borch, C.C. Continent—island arc collision in the Banda Arc 9—84211
von der Hardt, P. *see* Rottger, H. 9—63749
von der Linde, D., Lambrich, R. Direct measurement of hot-electron relaxation by picosecond spectroscopy 9—51979
von der Linde, D. *see* Che-Tsung Chen 9—55081
Von Der Muhll, R. *see* Ravez, J. 9—99834
von der Osten, W. *see* Kleinefeld, Th. 9—78751
von der Osten, W. *see* Koumvakalis, N. 9—56790
von Drachenfels, W. *see* Brefeld, W. 9—63826, 9—68002
Von Dratzig, A.Schultz *see* Schultz Von Dratzig, A.
von Egidy, T. *see* Bergmann, R. 9—68335

von Egidy, T. *(editor)* Fundamental physics with reactor neutrons and neutrinos 9—59112
von Geramb, H.V., Brieva, F.A., Rook, J.R. Effective nuclear matter interactions applied to finite nuclei 9—93546
Von Geramb, H.V. *(editor)* Microscopic Optical Potentials 9—92904
von Goeler, E. *see* Blanar, G.J. 9—93473
von Goeler, S. *see* Bitter, M. 9—82098
von Goeler, S. *see* Eubank, H. 9—82074
von Goeler, S. *see* Hill, K.W. 9—68956
Von Goeler, S. *see* Sauthoff, N.R. 9—90453
von Goldbeck, O. *see* Nussler, H.D. 9—91618
Von Grunau, M.W. Dissociation and interaction of form and motion information in the human visual system 9—53141
von Gutfeld, R.J., Budd, H.F. Laser-generated MHz elastic waves from metallic-liquid interfaces 9—73387
von Gutfeld, R.J., Wang, S.S. Laser-generated acoustic fan beam ultrasound tomograph system 9—83862
von Harrach, D., Glassel, P., Civelekoglu, Y., Manner, R., Specht, H.J. Angular momentum transfer in deeply inelastic collisions from exclusive sequential-fission experiments 9—76044
von Hartrott, M., Hohne, J., Quitmann, D., Rossbach, J., Weihreter, E., Willeke, F. Systematical trends of nuclear quadrupolar relaxation in metallic liquid alloys of indium 9—73849
von Heijn, G. *see* Blomberg, C. 9—66440
Von Heimendahl, M., Maussner, G. The metastable crystallization phases in the amorphous alloy METGLAS 2826A 9—55671
Von Hellfeld, A., Feldmann, D., Welge, K.H., Fournier, A.P. Infrared multiple-photon dissociation of ion-molecules in a beam 9—89720
von Hippel, A. From atoms toward living systems 9—60214
von Hippel, F. *see* Lewis, H.W. 9—97821
von Jena, A., Lessing, H.E. Coherent coupling effects in picosecond absorption experiments 9—72443
Von Jena, A., Lessing, H.E. Rotational-diffusion anomalies in dye solutions from transient-dichroism experiments 9—87414
von Jena, A., Lessing, H.E. Theory of laser-induced amplitude and phase gratings including photoselection, orientational relaxation and population kinetics 9—94302
Von Jena, A. *see* Lessing, H.E. 9—92005
von Kanel, H. Magnetic and optical properties of the layer type magnets $(CH_2)_2(ND_3)_2MnCl_4$ and $(CH_2)_n(NH_3)_2CuCl_4$, n=2,3,5 9—51760
von Koschitzky, H. *see* Bock, O. 9—88075
Von Krogh, J. *see* Blietschau, J. 9—93396
von Kuttruff, H., Sung, K.M. Piezoelectric ultrasonic transducers with non-directional sound radiation 9—98576
Von Mandach, H. *see* Debrunner, H. 9—62685
von Meerwall, E.D. A FORTRAN program to interpret pulsed field-gradient spin-echo diffusion data 9—65758
von Minnigerode, G. *see* Tidecks, R. 9—65619
von Molnar, S. *see* Coey, J.M.D. 9—78400
von Molnar, S. *see* Fisk, Z. 9—73738
von Nettelhorst, H., Boenick, U., Steffens, H.-P. An electronic storage system with histographical representation for axial load measurement in modular prostheses 9—84006
Von Nieda, G.E. A corrosion film characterization 9—54498
Von Niessen, W. Interpretation of the photoelectron spectra of OF_2 and SF_2 9—89709
Von Niessen, W., Kraemer, W.P., Diercksen, G.H.F. SF_6: large scale ab initio calculations and the assignment of the photoelectron spectrum 9—54764
von Niessen, W. *see* Domcke, W. 9—56913, 9—64041, 9—76522
von Oertzen, W. *see* Bohlen, H.G. 9—93521
von Oertzen, W. *see* Wust, P. 9—67709
von Ortenberg, M., Tuchendler, J., Silbermann, R., Thuillier, J.C. Frequency dependence of the surface cyclotron resonance of tellurium 9—69724
Von Ortenberg, M. *see* Steigenberger, U. 9—87319
von Philipsborn, H. *see* Daniels, W. 9—60506
von Ramm, O.T. *see* Smith, S.W. 9—64471
von Redwitz, H., Ruppersberg, G.H., Schellhase, R., Weidner, J. Interpretation of airborne measurements of atmospheric extinction and irradiating fluxes in Germany and the Netherlands 9—53523
von Roos, O. Recombination lifetimes and surface recombination velocities of minority carriers in n-p junctions. A new method for their determination by means of a stationary amplitude-modulated electron beam 9—87145
von Roos, O. Reply to 'Comments on "A note on the assumption of quasiequilibrium in semiconductor junction devices"' 9—91130
von Roos, O. A simple theory of back-surface-field (BSF) solar cells 9—100524
von Rossen, P. *see* Conzett, H.E. 9—89314
von Rossen, P. *see* Eversheim, P.D. 9—54705
Von Rossen, P. *see* Gorgen, R. 9—59078
von Ruden, W. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Von Ruden, W. *see* Groot, J.G.H. 9—93395
von Schlippe, W. *see* Kroll, P. 9—85342
von Schnering, H.G., Menge, G. $AlSiP_3$, a compound with a novel wurtzite-pyrite intergrowth structure 9—60328
von Seggern, D.H. *see* Sobel, P.A. 9—66630
von Seggern, H. Identification of TSC peaks and surface-voltage stability in Teflon FEP 9—78614
von Seggern, H. *see* Gross, B. 9—69616
von Staszewski, G.Mahr *see* Mahr von Staszewski, G.
von Stebut, J. *see* Ganne, H.P. 9—95186
Von Stimmer, H. Future structures of energy supply 9—96411
von Walter, P. *see* Brinkhus, H.B. 9—84031
von Westenholz, C. Scale symmetry and virial theorem 9—58894
Von Wienskowski, J. *see* Radler, K. 9—90908
von Willisen, F.K. The quartz watch: its life and times 9—93102
von Zahn, U., Fricke, K.H., Hoffmann, H.-J., Pelka, K. Venus: eddy coefficients in the thermosphere and the inferred helium content of the lower atmosphere 9—80255
von Zahn, U. *see* Laux, U. 9—75001
VonColln, R. *see* Leary, P.C. 9—57863
Vonder Haar, T.H. *see* Smith, E.A. 9—58229
Vonderheid, E.C. *see* Wallner, P.E. 9—88157
Vonderschmitt, B.V. Silicon-on-sapphire for LSI/VLSI technology 9—95918
Vondracek, J. Equipment for fast determination of the Curie point of ferrites 9—93176
Vondrak, J. A comment on planetary terms in lunar ephemeris 9—84645
Vonlanthen, M. *see* Horisberger, M. 9—74806
Vonnegut, B. *see* Vaughan, O.H., Jr. 9—58078
Vonsovskii, S.V., Turov, E.A. Metallic glasses and amorphous magnetism 9—82818
Vonsovsky, S.V., Katsnelson, M.I. Some types of instabilities in the electron energy spectrum of the polar model of the crystal. II. The criterion of stability of a metallic state 9—82524
Vonsovsky, S.V., Katsnelson, M.I. Some types of instabilities in the electron energy spectrum of the polar model of the crystal. I. The maximum-polarity state 9—82534
Voo, R.Van der *see* Van der Voo, R.
Vooght, D.De *see* De Vooght, D.
Vook, R.W., Chao, S.S. Misfit dislocations in (001) Cu/(111) Ag epitaxial bilayers 9—82493
Vook, R.W., Ho, J.H. The annealing of misfit dislocations in the (111)Cu/(111) Cu_2O system 9—82228
Vook, R.W. *see* Cain, O.J. 9—82494
Voorbraak, W.P. *see* Rottger, H. 9—63749
Voorde, H.Van de *see* Van de Voorde, H.
Voorde, M.Van De *see* Van De Voorde, M.
Voorn, G. Use of the TOD meter in a waste-water treatment plant [total oxygen demand meter] 9—96399
Voort, G.F.Vander *see* Vander Voort, G.F.
Voort, J.A.P.Van Der *see* Van Der Voort, J.A.P.
Voorthuysen, E.H.du Marchie van *see* du Marchie van Voorthuysen, E.H.
Voos, M. *see* Sermage, B. 9—78728
Voos, M. *see* Voisin, P. 9—99942
Vora, H., Ohmer, M.C., Stoebe, T.G. Bulk and surface absorptions in the 9.2-10.8-μm region in NaCl and KCl 9—95808
Vora, J.C. *see* Patel, M.M. 9—57147, 9—87759
Vora, J.C. *see* Vadher, P.C. 9—87760
Vora, R.A., Gupta, R.S. A mesogenic homologous series containing a phenolic end group 9—90546
Vorderwisch, P., Hautecler, S. Investigation of phonon dispersion and crystal field splitting in cerium deuteride 9—60452
Vorderwisch, P., Hautecler, S., Suck, J.B. Inelastic neutron scattering by cerium hydrides. IV. Crystal field 9—99517
Vore, T.C.De *see* De Vore, T.C.
Vorenkamp, E.J., Bosscher, F., Challa, G. Association of stereoregular poly(methyl methacrylates). IV. Further study on the composition of the stereocomplex 9—66292
Vorlicek, V. *see* Gregora, I. 9—82941
Vorlickova, M., Palecek, E. Changes in the circular dichroic spectrum of calf thymus solubilized chromatin caused by ultraviolet irradiation 9—100678
Vorobei, A.V. *see* Chernitskii, Ye.A. 9—53055
Vorob'ev, A.N. *see* Kazennov, Yu.I. 9—83327
Vorob'ev, B.Ya. *see* Solodkov, F.B. 9—57785
Vorob'ev, E.I. *see* Fedotkin, I.M. 9—90324
Vorob'ev, I.A., Mal'tsev, M.V. Strengthening heat treatment of alloy VT16 in vacuum 9—79013
Vorob'ev, L.E., Ivchenko, E.L., Pikus, G.E., Farbshtein, I.I., Shalygin, V.A., Shturbin, A.V. Current-induced optical activity in Te 9—65830
Vorob'ev, L.E., Pozhela, Yu.K., Reklaitis, A.S., Smirnitskaya, E.S., Stafeev, V.I., Fedortsov, A.B. Distribution function of and absorption of light by hot light holes in germanium 9—60844
Vorob'ev, L.S. *see* Burgov, N.A. 9—97710
Vorob'ev, S.A., Kalinin, B.N., Kaplin, V.V., Potylitsyn, A.P. Anomalous yield of low-energy gamma rays produced by 800-MeV electrons in a diamond crystal. Collimation effect 9—91521
Vorob'ev, S.A., Zabaev, V.N., Kalinin, B.N., Kaplin, V.V., Potylitsyn, A.P. Observation of intense γ-radiation by 900 MeV electrons channelling in diamond 9—61280
Vorob'ev, S.A. *see* Aref'ev, K.P. 9—51530, 9—99974
Vorob'ev, S.A. *see* Kaplin, V.V. 9—73236
Vorob'ev, S.A. *see* Taratin, A.M. 9—65132
Vorob'ev, S.P. *see* Vagin, L.N. 9—72538, 9—76643
Vorob'ev, V.A., Mosesov, M.D., Popov, V.P. Method and automatic system for determination of the surface energy of brittle materials from acoustic emission 9—91899
Vorob'ev, V.G. *see* Arkatova, T.G. 9—71512
Vorob'ev, V.I. *see* Pomosov, A.V. 9—70007
Vorob'ev, V.M., Vettegren', V.I., Razumovskaya, I.V. Deformation of interatomic bonds in polymers 9—57107
Vorob'ev, V.P., Kolendritskii, D.D., Kurik, M.V., Piryatinskii, Yu.P. On the nature of excimer luminescence from tetracene single crystals 9—87478
Vorob'ev, V.S. Calculation of the optical properties of a plasma at elevated pressures 9—82047
Vorob'ev, V.V. Estimates of the intensity of sound generated during propagation of modulated laser beams in the atmosphere and influence of this sound on thermal defocusing of beams 9—92597
Vorob'ev, V.V., Shemetov, V.V. Instability of a light beam and its decomposition with thermal self-stress in a moving medium 9—94305
Vorob'ev, Yu.V., Il'yashenko, A.G., Sheinkman, M.K. Ionization of impurity centers by hot Auger electrons and some features of charge carrier relaxation in compensated gallium arsenide 9—51594
Vorob'eva, I.M., Lysenok, L.N., Nikolaeva, N.A., Dodina, L.F., Mikhailova, Z.V., Kallo, E.B., Korchagina, A.Z. Investigation of the chemical resistance of materials for medical laboratory techniques 9—88926
Vorob'eva, N.N. *see* Vas'kovskii, Yu.M. 9—60165
Vorob'eva, V.B., Kubasov, V.L., Yurkov, L.I. Current yields of alkali in diaphragm-type electrolysis cells 9—100402
Vorobiev, S.A. *see* Kalinin, B.N. 9—61274
Vorobiev, S.A. *see* Kuzminikh, V.A. 9—55782
Vorobiev, S.A. *see* Pivovarov, Yu.L. 9—77655
Vorobiev, S.A. *see* Tarantin, A.M. 9—77656
Vorobjev, A.B. *see* de Wolf, E.A. 9—49543
Vorobjev, V.G. *see* Rezhenov, B.V. 9—62689
Vorobjov, N.S. *see* Hamal, K. 9—49314
Vorobjova, N. *see* Aksinenko, V. 9—97713
Vorob'yeva, L.P. *see* Luganin, V.A. 9—58155
Vorogushin, M.F., Mudrolyubov, V.G., Petrunin, V.I. Transient process in a resonator which is excited by a beam 9—81347
Voronenko, B.I. *see* Madyanov, S.A. 9—79011
Voronin, A.M. *see* Anisimov, O.K. 9—54633
Voronin, E.S., Solomatin, V.S., Shuvalov, V.V. Two-stage conversion of infrared radiation 9—59761
Voronin, I.V., Lavrent'ev, V.V., Grossman, V.I. Properties of adhesive layers adsorbed on the surface of polyethyleneterephthalate films 9—56067
Voronin, N.A., Semenov, A.P., Grigorov, A.I. Equipment for studying materials of bearings lubricated with gas 9—52522
Voronin, N.N., Kiselev, S.N. Investigations into the stress-strain state of cylindrical shells (pipes), welded of dissimilar metals , under service loading 9—83284
Voronin, S.P. *see* Myl'nikov, V.S. 9—69522, 9—91372
Voronin, Yu.V., Doronicheva, V.P., Zueva, I.B., Charchyan, G.Z. Quantitative analysis of characteristics of grain structure of metal on 'Quantimet-720' instrument 9—52496
Voron'ko, Yu.K. *see* Basiev, T.T. 9—78747
Voronkov, A.A., Kazarinov, N.M., Korenkov, A.G., Maevskii, V.A. Determination of the standard neutron yield for certain photoneutron sources and influence of bremsstrahlung 9—72177
Voronkov, A.A. *see* Kazarinov, N.M. 9—72206
Voronkov, E.O. *see* Belyi, Ya.I. 9—69016
Voronkov, V.B. *see* Volle, V.M. 9—69525
Voronkov, V.V. *see* Belen'kii, V.Z. 9—65328
Voronkova, G.I. *see* Kaminskii, A.S. 9—83003
Voronkova, G.I. *see* Salmanov, A.R. 9—69531
Voronkova, V.I., Kozinskaya, T.G., Yanovskii, V.K. Growth and properties of $Dy_2(MoO_4)_3$ crystals 9—55727
Voronkova, V.K., Petrashen', V.E., Yablokov, Yu.V., Davidovich, R.L. Anisotropic exchange interactions between Co^{2+} ions in $K_2Zn(ZrF_6)_2.6H_2O$ 9—95637
Voronov, A.S. *see* Aver'yanov, G.A. 9—93216
Voronov, F.F., Chernysheva, E.V., Goncharova, V.A. Elastic properties of NaCl single crystals under pressures up to 9 GPa at 293K 9—95073
Voronov, F.F., Goncharova, V.A., Stal'gorova, O.V. Elastic properties of cerium at the pressures up to 84 kbar and the temperature of 293K 9—60434

Voronov, G.N., Isaev, A.B., Tseitlin, V.G., Yudovich, V.B. Accuracy of conversion factor of chromatographs 9—74475
Voronov, N.I., Golosinskii, S.Ya., Fridman, M.R. New technical solutions and constructive peculiarities of optical-mechanical systems for telecine projection machines 'Telekino-75' 9—76800
Voronov, S.A., Gal'per, A.M., Kozlovskii, M.Yu., Kirillov-Ugryumov, V.G., Kustovskii, A.F., Luchkov, B.I., Moiseev, A.A., Ozerov, Yu.V., Popov, A.V., Fesenko, A.I., Akimov, V.V., Veselova, G.V., Kalinkin, L.F., Kozlov, V.D., Nesterov, V.E. Multilayer wide-gap spark chamber for a gamma telescope 9—76267
Voronov, S.A., Svetlitskii, V.A. Influence of natural twist on oscillations of rods 9—76996
Voronov, V.P. *see* Anisimov, M.A. 9—77766
Voronov, V.S. *see* Serdobova, L.I. 9—70392
Voronova, A.A. *see* Volkova, G.A. 9—57577
Voronova, T.A. *see* Prokoshkin, D.A. 9—55938
Voronova, T.A. *see* Vasil'eva, E.V. 9—77800
Vorontsov, A.I. *see* Vakulovskii, S.M. 9—74560
Vorontsov, A.N. Effect of certain technological factors on residual stress formation in stiffened glass-reinforced plastic shells 9—100108
Vorontsov, E.G., Yakhno, O.M. Analytical calculation of the mean thickness of a film on a rough surface 9—77061
Vorontsov, E.S. *see* Lykasova, S.A. 9—74303
Vorontsov, E.S. *see* Mikhina, G.F. 9—74302
Vorontsov, G.P. *see* Balbekov, V.I. 9—63829
Vorontsov, N.M., Shugaenko, V.K., Drapiko, P.E., Chernyakova, L.E., Patseka, R.F. Effect of original structure on the strengthening process and the properties of bands of alloy 36NKhTYu 9—78994
Vorontsova, L.A. *see* Borishanskiy, V.M. 9—90244
Vorontsova, R.I., Sirenko, A.F. Mechanical properties of polycrystalline copper condensates of different thicknesses 9—65350
Voropaev, A.I., Van'kov, A.A., Tsybulya, A.M. Comparison of calculations for a standard fast reactor (Baker model) 9—97753
Voropaev, V.M. *see* Bergner, Yu.K. 9—62566
Voropai, E.S. *see* But'ko, A.I. 9—85989
Voros, G., Kovacs, I. Inelastic phenomena in a rod loaded with a tensile force 9—52546
Voroshilov, Yu.V. *see* Popova, T.V. 9—95715
Voroshilov, Yu.V. *see* Suslikov, L.M. 9—73951
Voroshilov, Yu.V. *see* Vysochanskii, Yu.M. 9—95778
Voroshko, P.P. *see* Bobritskaya, S.D. 9—90139
Voroshnin, L.G., Vityaz', P.A., Khusid, B.M., Nasy'ulin, A.Kh. Mechanism of diffusion processes during the homogenisation of heterogeneous systems containing elements with significantly different mobilities 9—60539
Voroshnin, L.G. *see* Lovshenko, F.G. 9—96219
Voroshnin, V.P. *see* Unger, F.G. 9—85197
Vorotilina, T.B. *see* Soldatov, E.N. 9—77584
Vorotnikov, E.V. *see* Tomilov, F.Kh. 9—70103
Vorotyntsev, M.A. Discreteness-of-charge effects and the distribution of ions near interfaces 9—100399
Vorotyntsev, M.A. Discreteness-of-charge effects in inhomogeneous dielectrics 9—100400
Vorotyntsev, M.A., Grafov, B.M., Martem'Yanov, S.A. On the distribution of concentrations in the laminar flow near the surface with a sharp change of boundary condition 9—94590
Vorotyntsev, M.A., Itskovich, E.M. Effect of intramolecular vibrations on the shape of electronic spectra 9—64052
Vorozhtsov, E.V. *see* Fomin, V.M. 9—64693
Vorozhtsov, E.V. *see* Yanenko, N.N. 9—49055
Vorreiter, J. *see* Urbach, A.R. 9—54143
Vorreiter, J.W. Cryogenics for spacecraft 9—54138
Vorren, T.O., Strass, I.F., Lind-Hansen, O.W. Late Quaternary sediments and stratigraphy on the continental shelf off Troms and west Finnmark, northern Norway 9—84228
Vorshko, P.P. *see* Bobritskaya, S.D. 9—86340
Vorst, A.S.Vander *see* Vander Vorst, A.S.
Vorst, A.Van de *see* Van de Vorst, A.
Vorst, A.Vander *see* Vander Vorst, A.
Vorst, W.Maenhout-Van Der *see* Maenhout-Van Der Vorst, W.
Vortmeyer, D. *see* Chandrasekhara, B.C. 9—77242
Vorypaev, G.G. Slot-shaped erosion plasmotron [for spectroscopy of low-temperature plasma] 9—94821
Vorzobova, N.D., Korolev, A.E., Ryabova, R.V., Stasel'ko, D.I., Barinova, E.S. Investigation of IAE photographic films for pulse holography in the green spectral zone 9—68372
Vorzobova, N.D., Leshchev, A.A., Semenov, P.M., Sidorovich, V.G., Staselko, D.I. Method of optimizing 3-D hologram recording conditions 9—72536
Vorzobova, N.D., Staselko, D.I. Diffraction efficiency of 3-D holograms recorded with short exposures 9—55087
Vos, A. *see* De Boer, J.L. 9—89805
Vos, A. *see* Kroon, P.A. 9—73155
Vos, A. *see* van der Wal, H.R. 9—73064
Vos, A.De *see* De Vos, A.
Vos, J.De *see* De Vos, J.
Vos, L. *see* Brunet, P. 9—72052
Vos, L. *see* Fischer, C. 9—68003
Vos, L. *see* Risselada, T. 9—72119
Vosburgh, F. *see* Hyo Sub Yoon 9—57837
Vosburgh, K.G. *see* Wefel, J.P. 9—54442
Vosekalns, A.V., Slaidin', G.Ya. Impedance of manganese dioxide electrode: alkaline solutions 9—70350
Voshchinnikov, N.V. Dust grains in reflection nebulae: spherical core-mantle grains 9—62896
Vosikovsky, O. The effect of stress ratio on fatigue crack growth rates in steels 9—70148
Voskanyan, A.A., Inglizyan, P.N., Lalykin, S.P., Plyutto, I.A., Shevchenko, Ya.M. Electrical properties of copper selenide 9—73513
Vosko, S.H. *see* Liu, K.L. 9—56497
Vosko, S.H. *see* Wilk, L. 9—95569
Voskresenskii, D.N. *see* Popov, V.S. 9—49587
Voskresenskii, G.V., Karapetyan, G.G. Undulator radiation from bunches in a waveguide 9—76561
Voskresensky, G.P. Numerical solution of the problem of unsteady supersonic flow around the front part of the wings with a detached shock wave 9—94647
Voslamber, D. *see* Yelnik, J.-B. 9—62734
Voso, M.A. *see* Scrosati, B. 9—100511
Voss, D.E. *see* Johnson, J.L. 9—82091
Voss, G.R. *see* Korting, H.J. 9—53290
Voss, H.D., Smith, L.G. Nighttime ionization by energetic particles at Wallops Island in the altitude region 120 to 200 km 9—62666
Voss, J.W. The use of safety indices in waste management safety assessment 9—89413
Voss, R. *see* Giboni, K.L. 9—89204
Vossen, J.L. Glow discharge phenomena in plasma etching and plasma deposition 9—69993
Vosswinkel, F. Operational experience with double acting piston pumps for cryogenic helium and nitrogen 9—58716
Vostretsov, O.K. Determination of depth of frost in the Urals and western Siberia for construction purposes 9—57986
Vostroknutov, N.N., Gitis, E.I., Zemel'man, M.A. Simulating measuring equipment and its testing methods by means of a computer 9—80564
Vostryakov, A.A. *see* Shibanova, L.N. 9—95198
Voszka, R. *see* Watterich, A. 9—82263
Votano, L. *see* Barone, L.M. 9—80835
Votinov, S.N. *see* Arakelov, A.G. 9—82256
Votinov, S.N. *see* Kazennov, Yu.I. 9—83327
Votta, L. *see* Cutts, D. 9—85346
Votyakova, G.G. *see* Melamedov, A.M. 9—87793
Vouda, V. *see* Pink, E. 9—52289
Vouk, M.A. Conditions necessary for the formation of the electron-hole liquid in diamond and calculation of its parameters 9—78013
Vouk, Yu.V., Sapozhnikov, V.K., Shepolut, D.V., Shchepetkin, Yu.A. Holographic recording of binary information using a multi-channel acousto-optical light modulator 9—94178
Voukydis, P.C. Prematurity and height of ventricular ectopic beats as criteria for detection in rapid Holter scanners 9—66575
Voulgaris, G. *see* Kourkoumelis, C. 9—63555
Vounckx, R. *see* Bousse, L. 9—91151
Vovan, T., Guittard, M. Mixed sulphides of type $L_4Lu_{11}S_{22}$ formed by two elements III_B (scandium, yttrium and lanthanides) 9—77575
Vovenko, A.S. *see* Bozhko, N.I. 9—97936
Vovenko, A.S. *see* Bugorskii, A.P. 9—68119
Vovenko, A.S. *see* Burgorskii, A.P. 9—97641
Vovk, A.B. *see* Avchukhov, V.D. 9—75842
Vovk, A.B. *see* Avchukov, V.D. 9—75841
Vovk, I.V. A method of estimation of the sound field generated by a cylindrical radiator 9—64371
Vovk, I.V., Grinchenko, V.T. Diffraction of a plane wave by a double-layer grating of hollow elastic bars 9—86278
Vovk, Yu.V., Shchepetkin, Yu.A. Production of a phase-random mask in a holographic data recording system using a multi-channel acoustic-optical light modulator 9—94179
Vovkotrub, E.G. *see* Kasimov, G.G. 9—87226
Vovnenko, V.I., Glinchuk, K.D., Prokhorovich, A.V. Illumination-induced change in the internal quantum efficiency of the luminescence emitted by deep centers in GaAs 9—91495
Vovnenko, V.I. *see* Glinchuk, K.D. 9—52010, 9—95833
Vowinckel, E., Orvig, S. The water budget and potential water reserves of the East Africa source region of the Nile 9—100880
Voyner, Z.F. Determination of the shapes of b[billets during stamping 9—98630
Voytovich, N.N., Sivov, A.N. Characteristic modes in an optical fiber of arbitrary cross section 9—72684
Voyvodic, L. *see* Hand, L. 9—75979
Voyvodic, L. *see* Ward, C.P. 9—75803
Vozdvizhenskii, V.M. *see* Odesskii, D.A. 9—79048
Vozilkin, V.A., Dobromyslov, A.V. Investigation of the decomposition of β solid solutions supersaturated with germanium in titanium-niobium alloys 9—83172
Voznaya, E.E., Taevere, E.D., Us'yarov, O.G. Kinetics of the rupture of wetting films 9—56045
Voznesenskaya, T.I. *see* Arkhangel'skii, G.E. 9—60389
Voznesenskii, L.I. *see* Gimanov, V.P. 9—87902
Voznesenskii, V.A. Introduction of atomic power stations with the VVER-440 reactor 9—59127
Voznesenskii, V.A. *see* Andrushko, L.M. 9—98481
Voznyak, O.M. *see* Dutchak, Ya.I. 9—86673
Voznyak, V.M. *see* Yevstigneyev, V.B. 9—53045
Vozovoi, L.P. Convection currents in a vertical layer with a space-modulated temperature distribution on the boundaries 9—90240
Vozvyshayeva, L.V. *see* Gol'dfel'd, M.G. 9—53061
Vrakking, J.J., Kroes, A. Ion-induced Auger electron emission of Mg, Al and Si as a function of ion energy 9—78814
Vratislav, S., Jirak, Z. Improved resolution and powder neutron diffraction research on the KSN-2 diffractometer 9—86655
Vratislav, S. *see* Jirak, Z. 9—61061
Vrba, F.J. Optical detection of CL 4 9—71138
Vrba, F.J. *see* Gehrels, T. 9—66942
Vrba, J.A. *see* Cleary, T.P. 9—54404
Vrba, V. *see* Boos, E.G. 9—49548, 9—67611, 9—89203
Vrbova, M. *see* Hamal, K. 9—49314
Vrcelj, Z. An invariant relation in the elliptic restricted problem of three bodies. III. Asteroids 9—88616
Vreede, J.P.M.de *see* de Vreede, J.P.M.
Vreede, J.P.M.De *see* De Vreede, J.P.M.
Vreeland, T., Jr. *see* Hamill, G.P. 9—86795
Vrehen, Q.H.F. *see* Polder, D. 9—55096
Vrentas, J.S., Duda, J.L. Molecular diffusion in polymer solutions 9—90807
Vrestal, J. *see* Tousek, J. 9—70043
Vreugd, C.de *see* de Vreugd, C.
Vreugd, C.De *see* De Vreugd, C.
Vreux, J.M., Andrillat, Y. O stars and He II and H lines in the 1 μ region 9—67003
Vreux, J.M. *see* Andrilla, Y. 9—80304
Vreven, J. *see* Stroobants, J.B. 9—70608
Vries, A.de *see* de Vries, A.
Vries, A.De *see* De Vries, A.
Vries, A.E.De *see* De Vries, A.E.
Vries, C.de *see* de Vries, C.
Vries, C.P.de *see* de Vries, C.P.
Vries, G.W.de *see* de Vries, G.W.
Vries, H.de *see* de Vries, H.
Vries, H.De *see* De Vries, H.
Vries, J.de *see* de Vries, J.
Vries, M.S.De *see* De Vries, M.S.
Vrij, A. *see* De Feijter, J.A. 9—77870
Vrijhoef, M.M.A., Lourens, F.L., Leijdekkers-Govers, A.F.M. Simultaneous description of transient- and steady-state creep of dental amalgam 9—83266
Vronskaya, E.V. *see* Grekhov, V.M. 9—52009
Vroom, J.P., Heslenfeld, M.W., Westerweele, W.J., Hoeft, J.E., Kirchner, G.F., Menck, J.W., van Willigen, A. Development, design, construction and testing of pumps, intermediate heat exchangers and manipulator systems for in-service inspection of SNR 300 9—97784
Vroomen, A.R.de *see* de Vroomen, A.R.
Vsekhsvyatskii, S.K. Comets and problems of the evolution of protoplanets 9—70969
Vsevolodov, N.N., Chekulayeva, L.M. Spectral conversions of the photo-products in the cells of Halobacterium halobium 9—57605
Vsevolozhskii, L.A. Error in determining the derivative in analog-digital measurements 9—80567
Vshivkov, S.A. *see* Tager, A.A. 9—86871
Vu, C., Han, K.N. Effect of system geometry on the leaching behavior of cobalt metal: mass transfer controlling case 9—61535
Vu Ngoc Tuan *see* Reynaud, C. 9—89775
Vucelic, D. *see* Dondur, V. 9—57203
Vucelic, D. *see* Macura, S. 9—56618
Vucelic, V. *see* Dondur, V. 9—57203
Vuchkov, N.K. *see* Grozeva, M.G. 9—76675
Vuchkov, N.K. *see* Subotinov, N.V. 9—50319
Vucic, Z., Ogorelec, Z., Tonejc, A. Critical phenomena at phase transition to superionic state 9—55924
Vucic, Z. *see* Pivac, B. 9—56200
Vuhicic, G.M. Exciton and polariton mechanisms of superconductivity 9—60959
Vuillemin, J.J. *see* Crabtree, G.W. 9—65363
Vuillemin, J.J. *see* Webb, R.A. 9—99708
Vuillemin, V. *see* Piccolo, M. 9—93439
Vuillemin, V. *see* Rapidis, P.A. 9—75780
Vujatovic, S.S., Nikolic, P.M. Description of specimen preparation and structural properties of single crystal SnS 9—52109
Vujatovic, S.S. *see* Nikolic, P.M. 9—55711, 9—56752, 9—56777
Vujevic, D. *see* Ibrahimpasic, F. 9—49270
Vujic, M. *see* Zivojinov, J. 9—95154
Vujicic, M. *see* Bozovic, I.B. 9—55010
Vujicic, M. *see* Dzambazovski, M. 9—55011
Vujosevic, I. *see* Boreli, F. 9—50919
Vukanovic, D.D. *see* Vukanovic, V.M. 9—54196
Vukanovic, R. *see* Mladjenovic, M. 9—75910
Vukanovic, V., Coyle, E.L. Hydrogen-isotope separation in DC-arc plasma 9—90457

Vukanovic, V. *see* Holclajtner-Antunovic, I. 9—86640

Vukanovic, V.M., Simic, M.M., Vukanovic, D.D., Nickel, H., Mazurkiewicz, M. Influence of additive substance in 2-plasma arcs 9—54196

Vukcevic, L. *see* Boreli, F. 9—50919

Vukelich, S.B. *see* Belai, G.E. 9—52814

Vukicevic, J., Jovanovic, R., Cirkovic, Lj. Characteristics of dye lasers in an IR spectrum region 9—55131

Vukovich, F.M., Dunn, J.W. A theoretical study of the St. Louis heat island: some parameter variations 9—79943

Vuks, M.F. Manifestation of orientational interaction of molecules in the Maxwell phenomenon 9—65833

Vuks, M.F., Rozhdestvenskaya, N.B., Eidner, K. Determination of the optical anisotropy of the molecules of various liquid crystals based on tolan and benzylideneaniline 9—78692

Vuks, M.F. *see* Eidner, K. 9—72441

Vul, B.M., Zavaritskaya, E.I. Two-dimensional electronic phenomena in bicrystals of germanium at helium temperature 9—56273

Vul', V.A. Noise characteristics of information systems with digital laser radiation scanning 9—68478

Vulakh, I.E. *see* Pan, V.M. 9—69491

Vuletich, T. *see* Derenzo, S.E. 9—66533

Vul'fson, E.K., Dvorkin, V.I., Karyakin, A.V. Evaporation of substance in a laser torch 9—52858

Vullierme, J.J., Lagarde, J.J., Cordier, H. Analysis of the thermal contact resistance between two solids in friction effect of the relative slipping speed 9—94469

Vuori, S. Evaluation of nuclear power plant siting by probabilistic assessment of environmental impacts 9—79412

Vupputuri, R.Krishna Rao *see* Krishna Rao Vupputuri, R.

Vural, K., Humphrey, F.B. Domain-wall dynamics in the presence of an in-plane field in bubble garnet material 9—87296

Vurek, G.G., Kolobow, T., Clem, T.R. Blood gas monitor for extended extracorporeal procedures 9—100756

Vus, M.A. *see* Rylkov, V.V. 9—99016

Vuye, G. *see* Beaglehole, D. 9—95723

Vuye, G. *see* De Crescenzi, M. 9—78780

Vuye, G. *see* Lopez-Rios, T. 9—78770

Vvedenskaya, N.D. *see* Yavorskaya, I.M. 9—77135

Vvedensky, D.D. *see* Johnson, K.H. 9—69651

Vyalov, V.A. *see* Kleshchev, A.S. 9—96090

Vyas, D.D. *see* Pandya, G.R. 9—52096

Vyas, G.D., Chandra, H., Rastogi, R.G. Daily variations of E and F region drifts over Tiruchirapalli 9—84580

Vyas, G.D., Chandra, H., Rastogi, R.G., Devanathan, S.N. F-region drift measurements at Tiruchirapalli 9—53639

Vyas, G.D. *see* Chandra, H. 9—88542

Vyas, G.D. *see* Rastogi, R.G. 9—53638

Vyas, M.K.R. Tensile performance of packaged optical fibers 9—55212

Vyatkin, N.N. *see* Syutkin, N.N. 9—50967

Vyatkin, V.P. *see* Zimoglyad, L.S. 9—56869

Vyazankin, S.A., Kokovin, N.S., Moshnikov, I.S. Information-theory effectiveness rating of the automated weather-service atmospheric rocket sounding system 9—58057

Vyazemskiy, V.O. Error in measurement of running values of intensity of a nonstationary Poisson train 9—67246

Vyazigin, A.A. Linear filtering of electron microscope images 9—71572

Vyazigin, A.A. Problems in the reconstruction of electron-microscope images 9—75661

Vyaz'mina, T.M., Tov, G.M., Fishman, B.D., Tsyganova, N.N. Structure and phase composition of metallic sputtered powders 9—56941

Vyazmitinov, I.A., Rezunenko, V.O., Shestopalov, V.P. Field diffraction of the transverse electrical dipole on the sphere with a circular pole 9—94126

Vyaznikov, V.V., Vas'kov, V.V., Gruzdev, Yu.V., Kakuzin, D.I., Lobachevskiy, L.A., Namazov, S.A., Panchenko, V.A., Shlyuger, I.S. Anomalous absorption of radio waves during a disturbance of the upper ionosphere by strong radio emission on a frequency close to the electron gyrofrequency 9—53624

Vyaznikova, T.A. *see* Koksharov, V.D. 9—57167

Vyblyj, J. *see* Ivanitskaja, V.O. 9—58605

Vyborny, C.J., Metz, C.E., Doi, K., Haus, A.G. Calculated characteristic X-ray reabsorption in radiographic screens 9—74753

Vychytil, F. *see* Habrman, D. 9—49874

Vydashenko, V.N., Landau, A.I. Computer simulation studies of dislocation unzipping at low temperatures 9—86792

Vydashenko, V.N., Landau, A.I. Low-temperature statistical characteristics of moving dislocations 9—90654

Vydrik, G.A., Vishnevskaya, S.S. Casting of products from aqueous acid alumina slips in gypsum moulds 9—83165

Vydrin, V.N., Barkov, L.A., Pastukhov, V.V., Matveev, V.A., Mebel', V.S., Mymrin, S.A., Rabinovich, E.M., Pravednikov, E.V., Sharov, V.K. Rolling of tungsten rods 9—100195

Vydrin, V.N. *see* Ermokhin, F.K. 9—87792

Vygodskii, Ya.S., Askadskii, A.A., Gurbich, G.S., Kochergin, Yu.S., Slonimskii, G.L., Korshak, V.V., Vinogradova, S.V. Study of the formation of network systems in the matrix of thermostable polymers 9—57231

Vygodskii, Ya.S. *see* Adamova, L.V. 9—65204

Vygon, V.G. *see* Arkhipova, T.A. 9—72686, 9—72695

Vylegzhanin, D.N. *see* Perlin, Yu.E. 9—56853

Vylegzhanin, O.N. *see* Alekseev, A.P. 9—97466

Vylezhnev, V.P. *see* Beresnev, G.A. 9—70149

Vylov, Ts., Golovkov, N.A., Gonusek, M., Kuznetsova, M.Ya., Norseev, Yu.V., Ortlepp, H.-G., Chumin, V.G. Decay of ^{210}Rn and the excited states of ^{210}AT 9—75917

Vylov, Ts. *see* Bonch-Osmolovskaya, N.A. 9—75912, 9—75913

Vyotskii, V.T. *see* Lovshenko, F.G. 9—95979

Vyrkii, Yu.P. *see* Ivanova, S.L. 9—51296

Vyshkind, S.Ya. Synchronization and stochastization of a two-frequency self-excited oscillator by an external field 9—80524

Vyshlov, A.S. *see* Azarkh, S.L. 9—62778

Vyshlov, A.S. *see* Ivanov-Kholodny, G.S. 9—96939

Vyskocil, P. New results on the properties of recent crustal movements in the Bohemian Massif and its boundary with the West Carpathians 9—79791

Vyskocil, V. *see* Zbytovsky, A. 9—63735, 9—67818

Vyskubenko, B.A., Demenyuk, E.T., Eremin, A.D., Kirillov, G.A., Kolobyanin, Yu.V., Kormer, S.B., Ladagin, V.K., Linnik, V.M., Nitochkin, N.A., Urlin, V.D. Gasdynamic CO_2 laser with gas heating by an electrically induced explosion 9—64250

Vyskubenko, Yu.A., Tsalko, E.A. The effect of nonisothermicity on the formation of deposits and heat transfer with the turbulent motion of a gas-dispersion flow in tubes 9—55409

Vysochanskii, Yu.M., Slivka, V.Yu., Voroshilov, Yu.V., Gurzan, M.I., Chepur, D.V. Polarization spectra of Raman scattering in ferroelectric semiconductor $Sn_2P_2S_6$ 9—95778

Vysochanskii, Yu.M. *see* Slivka, V.Yu. 9—99836

Vysokova, I.L., Shvangiradze, R.R. Changes in the intensity of spectral lines due to changes in the composition of an arc plasma 9—94838

Vysota, A.M., D'yachenko, V.S., Zavarza, P.D., Nikonov, E.N., Bibik, E.E. On evaluation of dispersion factor influence on magnetic suspensions and tape properties 9—52788

Vysotskaya, V.N. *see* Azhogin, F.F. 9—57174

Vysotskii, D.A. *see* Mel'nik, M.T. 9—83184

Vysotskii, E.N., Reznikov, I.V., Tikhomirov, A.N. Illuminator for testing coordinate-sensitive photodetectors 9—72643

Vysotskii, V.I. On the possibility of non-threshold γ amplification in a system of polarized nuclei 9—98332

Vysotskii, V.T. *see* Lovshenko, F.G. 9—96219

Vystavkin, A.N., Gubankov, V.N., Koshelets, V.P., Ovsyannikov, G.A. Millimeter-wave conversion in thin-film Josephson microbridges 9—73644

Vytras, K. Ion-selective electrodes in titrations using tetraphenylborate 9—83530

V'yukhin, V.N., Kovalev, E.A. Control system for a multichannel acousto-optical modulator 9—72525

V'yuogov, P.N. *see* Gindin, I.A. 9—74199

W. Chow Weng *see* Weng W. Chow

W. Nam Tae *see* Tae W. Nam

W. Park Yoon *see* Yoon W. Park

Waag, R.C. *see* Lee, P.P.K. 9—57705

Waag, R.C. *see* Morris, T.W. 9—84067

Waal, B.W.Van de *see* Van de Waal, B.W.

Waals, J.H.Van Der *see* Van Der Waals, J.H.

Waard, H.de *see* de Waard, H.

Waard, H.De *see* De Waard, H.

Waboso, C.E., Mereu, R.F. The feasibility of delineating non-layered anomalous velocity zones by a combination of fan shooting and least-squares analysis 9—57857

Wach, D. *see* Felkel, L. 9—76098

Wachecka-Skowron, A. *see* Matysiak, S. 9—63041

Wachob, H.F., Johnson, H.H. The effect of strain rate and depressed temperature on the low cycle deformation behavior of alpha iron 9—61660

Wachs, I.E., Madix, R.J. The oxidation of H_2CO on a copper (110) surface 9—87878

Wachscmuth, H.W. *see* Ciampolillo, S. 9—71739

Wachsmuth, H. *see* Blietschau, J. 9—93396

Wachtel, E. *see* Malatidis, N.A. 9—87235

Wachtel, E. *see* Wunsch, K.M. 9—91642

Wachtel, H. *see* Wilson, W.A. 9—66469

Wachtel, J.M. Free-electron lasers using the Smith-Purcell effect 9—50276

Wachter, K., Leach, R., Kellogg, E. Parameter estimation in X-ray astronomy using maximum likelihood 9—62752

Wachter, M. *see* Reimer, L. 9—54232

Wachter, P. *see* Batlogg, B. 9—61074

Wachter, P. *see* Schlegel, A. 9—51977, 9—87464

Wachter, P. *see* Schoenes, J. 9—61344

Wachter, P. *see* Zvara, M. 9—99903

Wachutka, H., Grunewald, K., Abt, B. Optimisation of thermally stable structures using holographic interferometry 9—90804

Wacinski, M. *see* Ernst, S. 9—60537

Wackenheim, A. *see* Mancs, P. 9—66548

Wacker, K. *see* Berger, C. 9—49519

Wackers, F.J.Th. *see* Johnstone, D.E. 9—100714

Wackherr, P. *see* Pignolet, P. 9—98036

Waclawek, W., Tkaczyk, S. Laboratory apparatus for X-ray lithography 9—89050

Wacrenier, J.M. *see* Lippens, D. 9—91336

Wada, A., Nishio, I., Soda, K. Rapid investigation of sedimentation phenomena by vibrational force field 9—60086

Wada, E. *see* Okano, K. 9—50975

Wada, H., Sakamoto, K. Specific heat of the iron-hydrogen system at low temperatures 9—99332

Wada, J., Kitamura, N., Matsushita, I., Kawamura, T., Inoshita, T. The new (Asahi) membrane oxygenator 9—84023

Wada, K., Ishikawa, T. Variation of tricritical point of a metamagnet with dilution 9—87266

Wada, K., Takaoka, H., Inoue, N., Kohra, K. Growth of stacking faults by Bardeen-Herring mechanism in Czochralski silicon 9—99222

Wada, M. *see* Arisaka, I. 9—71617

Wada, M. *see* Hatano, H. 9—52003

Wada, M. *see* Kohno, T. 9—75066

Wada, M. *see* Kokubun, Y. 9—99580

Wada, M. *see* Obinata, T. 9—89261

Wada, M. *see* Sugai, T. 9—100046

Wada, M. *see* Sugino, T. 9—50310, 9—98357

Wada, N. Measurement of heavy water concentration by neutron thermalization method 9—93746

Wada, S., Hashimoto, H. Turbulent lubrication theory using the frictional law. I. Derivation of turbulent coefficients and lubrication equation 9—98694

Wada, S., Hashimoto, H. Turbulent lubrication theory using the frictional law. II. Its application to journal bearings 9—98695

Wada, T., Freeman, G.R. Abrupt density dependence of attachment of thermal electrons in high density cis-butene-2 vapor 9—90369

Wada, T., Kumagai, N., Kamitsubo, H., Motonaga, S., Nomura, T., Nakanishi, N., Kohno, I., Fujita, J., Nakajima, H., Ogiwara, K., Takebe, H., Yoshida, F. The injection in IPCR separated sector cyclotron 9—54614

Wada, T. *see* Kamitsubo, H. 9—54662

Wada, T. *see* Yoshimura, J. 9—52099

Wada, W.W. *see* Aubrecht, G.J. 9—93470

Wada, Y. *see* Chiba, M. 9—93898

Wada, Y. *see* Nakajima, H. 9—86312

Wadati, M. Nonlinear waves—soliton and its application 9—80418

Wadati, M., Ichikawa, Y.-H. A generalization of inverse scattering method 9—75381

Wadati, M., Konno, K., Ichikawa, Y.H. A generalization of inverse scattering method 9—92994

Wadati, M., Konno, K., Ichikawa, Y.H. New integrable nonlinear evolution equations 9—92995

Wadati, M. *see* Mancini, F. 9—99653

Waddell, B.V., Carreras, B., Hicks, H.R., Holmes, J.A. Nonlinear interaction of tearing modes in highly resistive Tokamaks 9—64855

Waddell, B.V. *see* Carreras, B. 9—55498

Waddell, C.N. *see* Hubler, G.K. 9—82248

Waddell, C.N. *see* Spitzer, W.G. 9—86807

Waddell, E.M., Chapman, J.N. Linear imaging of strong phase objects using asymmetrical detectors in STEM 9—97476

Waddell, E.M. *see* Chapman, J.N. 9—61195

Waddell, W.H., West, J.L. Observation of high photoisomerization quantum yields for11-cis retinal analogs having 12-s-trans geometries 9—57253

Waddington, C.J. *see* Freier, P.S. 9—58988

Waddington, E.D., Dence, M.R. Skeleton Lake, Ontario—evidence for a Paleozoic impact crater 9—92553

Waddington, J.C. *see* Shahabuddin, M.A.M. 9—54427

Waddington, J.C. *see* Stott, W.R. 9—72268

Waddington, T.C. *see* Howard, J. 9—60642, 9—89800

Waddington, T.C. *see* Woodcock, P.G. 9—50979

Wade, D.C. *see* Beck, C.L. 9—67834

Wade, E. *see* Stoneham, A.M. 9—77811

Wade, G. *see* Ahmed, M. 9—64463

Wade, G. *see* Elliott, S. 9—50560

Wade, G. *see* Mueller, R.K. 9—66578

Wade, R. *see* Phillips, J.P. 9—53828

Wade, R. *see* Selby, M.J. 9—53734

Wade, R.A. A spectrophotometric parallax for U Geminorum 9—67012

Wade, R.A., Hoessel, J.G., Elias, J.H., Huchra, J.P. A two-color photometric system for the near infrared 9—62759

Wade, R.A. *see* Hoessel, J.G. 9−62911
Wade, R.H. The phase contrast characteristics in bright field electron microscopy 9−89048
Wade, R.J. *see* Bowen, H.J.M. 9−88490
Wadehra, J.M. *see* Bardsley, J.N. 9−76511
Wadehra, J.M. *see* Derkits, C. 9−89796
Wadepuhl, M., Huber, F. Elicitation of singing and courtship movements by electrical stimulation of the brain of the grasshopper 9−83731
Wadhams, P. *see* Lowry, R.T. 9−79847
Wadhawan, M.C. Time-dependent thermal solution for a slab 9−98592
Wadhawan, V.K. Gyrotropy: An implicit form of ferroicity 9−73286
Wadhwa, R.S. *see* Akimov, B.A. 9−65381
Wadi, R.K. *see* Jain, D.V.S. 9−57281
Wadkins, R.P., Ambrosek, R.G., Young, M.W. Rod bundle CHF at low pressure 9−59144
Wadley, H.N.G., Scruby, C.B., Eyre, B.L., Furze, D.C. Effect of isothermal tempering on acoustic emission during ductile fracture of low-alloy steel 9−83241
Wadlin, W.H. *see* Johnson, B.C. 9−78213
Wadlinger, E.A. Stable particle motion in a linear accelerator with solenoid focusing 9−72000
Wadlinger, E.A. *see* Minehart, R. 9−76032
Wadsworth, J. *see* Sunada, H. 9−57012
Wadsworth, M.E. *see* Munoz, P.B. 9−83511
Wadsworth, R. *see* Ekstron, L.P. 9−59032
Wadsworth, R. *see* Mustaffa, O.M. 9−85402
Wadt, W.R. The electronic structure of HgCl and HgBr 9−72245
Wadt, W.R. *see* Hay, P.J. 9−97987
Wadynski, A., Tolle, K.-H., Conrad, H.J. Cerebral sequence scintigraphy−a non-invasive method for risk-free diagnosis of intracranial disorders 9−92335
Waeber, W.B. *see* Pfersich, Ch. 9−55806
Waele, A.T.A.M.de *see* de Waele, A.T.A.M.
Wagatsuma, K., Sakaki, H., Saito, S. Mode conversion and optical filtering of obliquely incident waves in corrugated waveguide filters 9−81571
Wagendristel, A. *see* Ehrmann-Falkenau, E. 9−77844
Wagener, K. *see* Inden, P. 9−52864
Wager, J.F., Wilmensen, C.W. Detection of SiO_2 at the indium tin oxide/Si solar cell interface 9−87991
Wager, J.F., Wilmsen, C.W. Auger analysis of ultrathin SiO_2 layers on silicon 9−56314
Wager, J.F. *see* Shewchun, J. 9−83596
Waggener, J. A dozen ways to use video technology in a college of education 9−92913
Wagner, A., Hall, T.M., Seidman, D.N. A specimen-exchange device for an ultra-high vacuum atom-probe field-ion microscope 9−67437
Wagner, A., Seidman, D.N. Direct observation of solute segregation to voids in a fast-neutron irradiated Mo/1.0 at.% Ti alloy 9−78971
Wagner, C., Soler, M. Classical electrodynamics of a nonlinear Dirac field free solution 9−80752
Wagner, C.N.J. *see* Ardell, A.J. 9−77606
Wagner, C.U. *see* Lauter, E.A. 9−88523
Wagner, D., Rainer, S., Stangler, F. Measurement of superconducting transition curves of lead during plastic deformation 9−60956
Wagner, D., Wohlfarth, E.P. Basis of the Landau-Ginzburg theory for inhomogeneous ferromagnetic systems 9−51789
Wagner, D. *see* Sobotta, G. 9−63155
Wagner, F. *see* Esling, C. 9−83229
Wagner, F., Jr. *see* Carnall, W.T. 9−50085
Wagner, F.E., Mirahmadi, A. Automatic calibration−a new method for eliminating systematic errors in measuring systems with linear characteristic 9−67247
Wagner, F.E., Mirahmadi, A. Flow measurement in a pulsating flow by a new automatically controlled static-plate flowmeter 9−68870
Wagner, F.E., Wagner, U. Mossbauer isomer shifts in 4d and 5d transition elements 9−87355
Wagner, F.E., Wortmann, G. Mossbauer studies of metal-hydrogen systems 9−82906
Wagner, F.E. *see* Shenoy, G.K. 9−87349
Wagner, F.E. *see* Shenoy, G.K. *(editor)* 9−87346
Wagner, F.M., Markert, H. Reactivation of the magnetic aftereffect of nickel single crystals by means of plastic deformation 9−65697
Wagner, G.A. *see* Miller, D.S. 9−79760
Wagner, G.J. *see* Collins, M.T. 9−63649
Wagner, G.J. *see* Doll, P. 9−97656
Wagner, G.J. *see* Fuchs, H. 9−59076
Wagner, H. Elastic interaction and phase transition in coherent metal-hydrogen alloys 9−83178
Wagner, H. *see* Beyer, W. 9−69142
Wagner, H. *see* Butz, R. 9−99421, 9−99422
Wagner, H. *see* Erley, W. 9−73406
Wagner, H. *see* Frese, H. 9−72083
Wagner, H. *see* Lehwald, S. 9−52752
Wagner, H.F. *see* Klein, H. 9−57366
Wagner, H.Gg. *see* Hack, W. 9−52629
Wagner, H.H., Schaefer, R.R. Contactless probing of semiconductor dopant profile parameters by IR spectroscopy 9−77629
Wagner, H.J., Schwerdtfeger, C.F. On the susceptibility of heavily doped Si:P 9−78306
Wagner, H.J. *see* Graber, N. 9−78729
Wagner, H.J. *see* Thompson, R.C. 9−82767
Wagner, H.N., Jr., Knowles, L.G. Nuclear cardiology: a new medical specialty 9−70605
Wagner, H.N., Jr. *see* Yang, S.L. 9−100718
Wagner, J., Kurowksi, P., Martienssen, W. Simulation of photon antibunching 9−72543
Wagner, J., Sauer, R. Electron-hole deops in uniaxially stressed silicon 9−91491
Wagner, J.A., Angel, R.W., O'Flynn, M. Measurement of voluntary influences on unloading and shortening reactions in human muscle 9−100801
Wagner, J.A., Arnold, C., Jr. A study of thermoxidative stability of natural and halocarbon waxes [hybrid IC applications] 9−100271
Wagner, J.S., Kan, J.R., Akasofu, S.-I. Particle dynamics in the plasma sheet 9−66879
Wagner, J.W. A simple test for phase characteristics of chart recorders 9−92409
Wagner, M. *see* Birkhold, M. 9−82566
Wagner, M.H. Network theory of polymer melts 9−77050
Wagner, R. *see* Preisinger, K. 9−75980
Wagner, R. *see* Ratel, G. 9−75981
Wagner, R. *see* Stockmeyer, R. 9−66341
Wagner, R.E. Multimode optical-fiber access port 9−50430
Wagner, R.J., Tsui, D.C. Submillimeter cyclotron resonance studies of inversion layers at low electron density 9−60925
Wagner, R.J. *see* Golecki, I. 9−77952
Wagner, R.L. *see* Dixon, R. 9−89169
Wagner, S. *see* Hogan, S. 9−95522
Wagner, S. *see* Mohapatra, S.K. 9−95732
Wagner, U. *see* Wagner, F.E. 9−87355
Wagner, V. Magnetic excitations in antiferromagnetic cobaltous oxide 9−61092
Wagner, V., Hermann-Ronzaud, D. Magnetic excitations in anti-ferromagnetic cobaltous oxide 9−51766
Wagner, V. *see* Scherm, R. 9−50412
Wagner, V. *see* Schroder, B. 9−61237
Wagner, V. *see* Sokoloff, J.B. 9−78350
Wagner, W. Reconstructions from restricted region scan data−new means to reduce the patient dose 9−66543
Wagner, W. *see* Berger, C. 9−49519
Wagner, W. *see* Kowalski, G. 9−83935
Wagner, W. *see* Pentermann, W. 9−55802
Wagner, W. *see* Rehm, K.E. 9−97725
Wagner, W. *see* Zierl, R. 9−63701, 9−85835
Wagner, W.J. *see* Borner, H. 9−63237, 9−73355
Wagniere, G. A theoretical analysis of two-photon magnetic circular dichroism 9−76457
Wagoner, D.L.van *see* van Wagoner, D.L.
Wagoner, R.H., Neng-Ming Wang An experimental and analytical investigation of in-plane deformation of 2036-T4 aluminum sheet 9−83260
Wagoner, R.V. Low-frequency gravitational radiation from collapsing systems 9−71314
Wagoner, R.V., Will, C.M., Paik, H.J. Tunable 'free-mass' gravitational-wave detector 9−71347
Wahab, F.M.Abd El *see* Abd El Wahab, F.M.
Wahab, S.A. *see* Tolba, M.F. 9−75060
Waheed, A. *see* Gul, K. 9−80932
Wahl, H., Lau, B. Theoretical analysis of a method of mapping the field distribution in thin magnetic foils by holographic optical image processing of electron interference micrographs 9−89868
Wahl, H. *see* de Groot, J.G.H. 9−49462, 9−49521, 9−75764, 9−85292
Wahl, H. *see* Groot, J.G.H. 9−93395
Wahl, H. *see* Jostlein, H. 9−89310
Wahl, H.D. *see* Drijard, D. 9−80853, 9−89150, 9−89198
Wahl, J. Torsional shear flow of nematic and cholesteric liquid crystals. I. Nematic phase 9−85188
Wahl, J. Torsional shear flow of long pitch cholesteric mesophases in electric and magnetic fields 9−86697
Wahl, J. *see* Holland, U. 9−51969
Wahl, W. *see* Gladisch, M. 9−56446
Wahl, W. *see* Herlach, D. 9−56701
Wahl, W. *see* Metz, H. 9−56693
Wahlen, M., Kunz, C.O. ^{14}C discharge from boiling water reactors 9−52979
Wahlgren, U., Johansen, H. Valence photoelectron spectrum of CoO. Ab initio calculations of energies and relative intensities within a limited CI framework 9−63918
Wahlgren, U. *see* Palma, A. 9−50002
Wahlgren, U.I. *see* Lozes, R.L. 9−54765
Wahling, G., Raether, H., Mobius, D. Studies of organic monolayers on thin silver films using the attenuated total reflection method 9−87001
Wahlquist, H.D. *see* Boggess, A. 9−71149
Wahlsten, S. *see* Claeson, T. 9−65611
Wahner, H.W. *see* Baggenstoss, B.J. 9−57763
Wahramiejew, W. *see* Wasylak, J. 9−73331
Wai Chang Kok *see* Kok Wai Chang
Wai-Hon Lee Computer-generated holograms: techniques and applications 9−76645
Wai-Hon Lee High efficiency multiple beam gratings 9−81515
Waidelich, W. *see* Greguss, P. 9−66499
Wainger, M., Al-Agil, I., Brunner, T.A., Karp, A.W., Smith, N., Pritchard, D.E. Power law scaling of rotational energy transfer in $Na_2^*(A\Sigma)+He$, H_2, CH_4, and N_w 9−98204
Wainio, K.M. *see* Cardito, J.M. 9−89365
Wainman, G. Specifying for heat treatment of steel 9−52247
Wainwright, J., Ince, W.C.W., Marshman, B.J. Spatially homogeneous and inhomogeneous cosmologies with equation of state $p=\mu$ 9−49122
Wainwright, J., Marshman, B.J. Some exact cosmological models with gravitational waves 9−88771
Wainwright, L. The Australian initiative in baseline air monitoring 9−96490
Waisman, E.M. The magnetostatic field of a periodic cylindrical array of perfect conductors of arbitrary x-y cross section 9−55021
Wait, J.R. Review of electromagnetic methods in nondestructive testing of wire ropes 9−83423
Wait, J.R. Exact surface impedance for a cylindrical conductor 9−98266
Wait, J.R., Gardner, R.L. Electromagnetic nondestructive testing of cylindrically layered conductors 9−74318
Wait, J.R., Hill, D.A. Theory of transmission of electromagnetic waves along a drill rod in conducting rock 9−59618
Wait, J.R., Hill, D.A. Dynamic electromagnetic response of a homogeneous conducting cylinder for symmetric excitation 9−94125
Wait, J.R., Hill, D.A. Electromagnetic interaction between a conducting cylinder and a solenoid in relative motion 9−98261
Wait, J.R., Umashankar, K.R. Analysis of the Earth resistivity response of buried cables 9−92483
Wait, J.R. *see* Seidel, D.B. 9−55030
Wait, R. *see* Morris, J.L. 9−98663
Wait, S.C., Jr. Partitions in statistical thermodynamics 9−58496
Waite, J.H., Nagy, A.F., Torr, D.G. N_2 vibrational distribution in aurorae 9−80068
Waite, J.H., Jr. *see* Atreya, S.K. 9−96953
Waite, T.D. *see* Haumann, D. 9−79417
Waka, Y., Hamamoto, K., Mataga, N. Fluorescence quenching mechanisms of aromatic hydrocarbon-dicyanobenzene and -n,n-dimethylaniline systems in aqueous micellar solutions 9−50063
Wakabayashi, H. *see* Terai, R. 9−93745
Wakabayashi, N., Yamada, T., Ueda, K. Simulation of arrival of radiation counting-rate meter output at a threshold value 9−93897
Wakabayashi, N. *see* Crummett, W.P. 9−95101
Wakabayashi, N. *see* Smith, H.G. 9−95116
Wakabayashi, N. *see* Stassis, C. 9−60447
Wakabayashi, N. *see* Tsunoda, Y. 9−69212
Wakabayashi, N. *see* Yoshimura, T. 9−80691
Wakabayashi, S., Arai, T., Hara, H., Fujioka, T. Effect of residual CO on combustion-type CO_2-gas dynamic laser performance 9−68378
Wakabayashi, S. *see* Maezawa, K. 9−91025
Wakabayashi, S. *see* Ohashi, M. 9−62459
Wakabayashi, T. *see* Uchimura, I. 9−92245
Wakai, M. *see* Civitarese, O. 9−75821
Wakaizumi, S. High energy p-p electric scattering and constituent multiple scattering model 9−67607
Wakano, M. SU(2) gauge fields in interaction with static extended quark sources. II 9−67466
Wakao, K. *see* Iga, K. 9−98388
Wakao, N., Kaguei, S., Funazkri, T. Effect of fluid dispersion coefficients on particle-to-fluid heat transfer coefficients in packed beds. Correlation of Nusselt numbers 9−68795
Wakao, N. *see* Fahim, M.A. 9−66342
Wakasugi, S., Got, Y. Analysis of longitudinal compressive impact of bar obeying Malvern-type constitutive equation 9−94553
Wakasugi, S., Goto, Y., Nishi, Y. Comparison between experimental and calculated results of longitudinal compressive impact test of aluminum 9−96119
Wakayama, N., Yamagishi, H., Tomoda, T., Kawashima, K. Development of fission chambers for high-temperature reactors 9−76112
Wake, D.R., Amer, N.M. The dependence of an acoustically nonresonant optoacoustic signal on pressure and buffer gases 9−59862
Wake, G.C. *see* Carter, M.R. 9−86530
Wake, G.C. *see* Walker, I.K. 9−66278
Wake, M., Gross, D.A., Kumada, M., Blatchley, D., Tollestrup, A.V. Recent measurement results of energy doubler magnets 9−68087
Wake, M. *see* Ishibashi, K. 9−58748, 9−61691, 9−69629
Wakefield, D.J., Dunn, T.D., Silady, F.A. PCRV integrity during HTGR core heatup 9−49735
Wakefield, K.E. Aspects of TFTR relevant to future fusion reactors 9−76129
Wakefield, T., II *see* Blank, R.E. 9−79320
Wakeford, A.C. *see* Knowles, G. 9−66731
Wakeham, W.A. *see* Abe, Y. 9−86550
Wakeham, W.A. *see* Clifford, A.A. 9−86551
Wakeham, W.A. *see* Khalifa, H.E. 9−86328
Wakeman, D.W. *see* Kuhn, A.T. 9−52417

Waki, H., Kobayashi, K. Recent developments in the geometrical theory of the diffraction of electromagnetic waves 9—72463
Wakihara, M. *see* Nii, J. 9—100122
Wakil, S.A.El *see* El Wakil, S.A.
Wakim, F. *see* Sawan, Y. 9—51574
Wakim, F.G., El-Gabaly, M., Sawan, Y., Katnani, A. Photovoltaic effect in metal-insulator-semiconductor structure 9—61985
Wakim, F.G. *see* El-Gabaly, M. 9—56259
Wakisaka, G. *see* Fuji, M. 9—66547
Wakita, H. Estimation of vocal-tract shapes from acoustical analysis of the speech wave: the state of the art 9—68506
Wakita, H. *see* Kasuya, H. 9—86302
Wakita, H. *see* Matsumoto, H. 9—59894
Wakita, H. *see* Minai, Y. 9—66688
Wakita, K. *see* Nakano, Y. 9—98375
Wakitani, S. *see* Yosinobu, H. 9—90252
Wakiyama, T. Crystalline and magnetic properties of double hexagonal Co-Fe alloys 9—73132
Wakiyama, T. *see* Ohshima, S. 9—51777
Wakiyama, Y. *see* Suematsu, H. 9—49223
Waksmann, B. *see* Bourgoin, J.C. 9—56225
Wakuta, Y. *see* Imai, K. 9—97706
Wal, A.J.van der *see* van der Wal, A.J.
Wal, H.R.van der *see* van der Wal, H.R.
Wal, P.B.van der *see* van der Wal, P.B.
Wal, R.J.van der *see* van der Wal, R.J.
Walch, J.J. *see* Boudon, Y. 9—75505
Walch, J.P. *see* Dulieu, B. 9—59976
Walcher, T. *see* Jaeschke, E. 9—72002
Walcher, Th. *see* Natowitz, J.B. 9—93647
Walcher, Th. *see* Repnow, R. 9—72214
Walchle, R.L. *see* Silberberg, J.L. 9—49869
Walck, Ch. *see* Stenbacka, R. 9—63507
Walckiers, L. *see* Billan, J. 9—72049
Walczak, K.M. *see* Defreese, J.D. 9—74440
Walczak, W., Sek, S. Device for measuring compressibility and resilience of asbestos-rubber plates 9—75500
Wald, F.V. *see* Hari Rao, C.V. 9—61982
Wald, H. *see* De Clercq, C. 9—89188
Wald, L. *see* Albuisson, M. 9—62517
Wald, R.M. Existence of the S-matrix in quantum field theory in curved space-time 9—63120
Wald, R.M. Note on the stability of the Schwarzschild metric 9—75420
Wald, S. *see* Gavron, A. 9—93892
Walden, E. *see* Van Orden, J.M. 9—100248
Walden, W. *see* Hastings, I.J. 9—93808
Waldenstrom, S. *see* Razi Naqvi, K. 9—52621, 9—87823
Waldenstrom, S. *see* Razi Navi, K. 9—79226
Waldhelm, W., Schwarz, E. A contribution to contactless measurement of velocity in spray flow 9—50818
Waldman, M., Gordon, R.G. Scaled electron gas approximation for intermolecular forces 9—98181
Waldman, M., Gordon, R.G. Generalized electron gas—Drude model theory of intermolecular forces 9—98182
Waldman, M., Gordon, R.G. Generalized electron gas-Drude model theory for ion-molecule forces 9—98183
Waldner, F. *see* Barberis, D. 9—78507
Waldner, F. *see* Cutts, D. 9—85346
Waldorf, D. *see* Tsai, C.L. 9—73507
Waldren, R.M., Todd, J.F.J. The quadrupole ion store (QUISTOR). VI. Studies on phase-synchronised ion ejection: the effects of ejection pulse amplitude 9—89034
Waldron, K.J. *see* Churches, A.E. 9—70566
Waldron, M.B., Kejariwal, M. Design of a syneuristor 9—96727
Waldron, M.B. *see* Sheshadri, S. 9—64430
Waldron, R.A. The ballistic theory of light and its implications for space travel 9—80204
Waldrop, J.R., Grant, R.W. Interface chemistry of metal-GaAs Schottky-barrier contacts 9—74049
Waldrop, J.R. *see* Harrison, W.A. 9—51657
Waldthausen, H., Haslam, C.G.T., Wielebinski, R., Kronberg, P.P. A radio survey of clusters of galaxies. II. 11.1 cm observations of A85, A407, A514, A568, A602, A1361, A1775, A2036, A2079, A2224, A2241, A2365 and A2634 9—58432
Waldvogel, A., Federer, B., Schmid, W., Mezeix, J.F. The kinetic energy of hailfalls. II. Radar and hailpads 9—79951
Waldvogel, A. *see* Federer, B. 9—84542
Waldvogel, J. The triple collision manifold 9—58238
Wale-Evans, G. *see* Grassie, A.D.C. 9—60944
Walenta, A.H., Fischer, J., Okuno, H., Wang, C.L. Measurement of the ionization loss in the region of relativistic rise for noble and molecular gases 9—54743
Walentek, J. *see* Pawlowski, Z. 9—76289
Wales, C.P. Cupric oxalate cathodes for seawater cells 9—92067
Walford, J.G. *see* Broadley, D. 9—97870
Walgraef, D. *see* Dewel, G. 9—86870
Wali, K.C. *see* Davidson, A. 9—80753, 9—93310
Wali, K.C. *see* Sage, M.L. 9—49076
Walitza, E., Maisch, E., Chmiel, H., Anadere, I. Experimental and numerical analysis of oscillatory tube flow of viscoelastic fluids represented by the example of human blood 9—77252
Walk, O. *see* Diem, M. 9—84421
Walkden, M.W. Proton damage ratios for some modern types of solar cell 9—96476
Walker, A.C. *see* Fok, W.C. 9—98641
Walker, A.D.M., Greenwald, R.A., Stuart, W.F., Green, C.A. Stare auroral radar observations of Pc 5 geomagnetic pulsations 9—96862
Walker, A.R. Linearity of the ITT FW-130 photomultiplier 9—58255
Walker, A.R. Note on the spectrum of the RS Ophiuchi 9—62848
Walker, B.H. The 20% rule: selecting optical glass 9—81496
Walker, B.H. 'Real world' cosine fourth losses 9—97456
Walker, C.A., McKelvie, J. The measurement of residual stress by a moire fringe method 9—86390
Walker, C.M. *see* Pinnow, D.A. 9—59804
Walker, D., Gilham, D. Rechargeable nickel cadmium cells—their construction, reliability and use 9—100509
Walker, D. *see* Farber, S.A. 9—85821
Walker, D. *see* Marvin, U.B. 9—70970
Walker, D.C., Jean, Y.C., Fleming, D.G. Muonium atoms and intraspur processes in water 9—70358
Walker, D.C. *see* Jean, Y.C. 9—57275, 9—100422
Walker, D.D., Kimura, J. A fast-recovery electrode amplifier for electrophysiology 9—70654
Walker, D.E. Remote pressurization and laser closure welding of multiaxially stressed creep capsules 9—54514
Walker, D.N. *see* Szuszczewicz, E.P. 9—60108
Walker, E. *see* Niinikoski, T.O. 9—56684
Walker, E. *see* Venema, W.J. 9—65365
Walker, E.A. *see* Dee, R.H. 9—65620
Walker, E.F. *see* Druce, S.G. 9—70141
Walker, F.E. *see* Karo, A.M. 9—64554
Walker, G.E. Nuclear structure with mesons 9—85351
Walker, G.E. *see* Dover, C.B. 9—59091
Walker, G.H., Byvik, C.E., Conway, E.J., Heinbockel, J.H., Doviak, M.J. Analytical and experimental study of 1 MeV electron irradiated GaAlAs/GaAs heteroface solar cells 9—70450
Walker, H.F. *see* Vaughan, C.M. 9—85750
Walker, I.K., Wake, G.C., Jackson, F.H. Calorimetry of oxidation reactions. III. An improved calorimeter equation for gaseous oxidation of solids 9—66278
Walker, J. *see* Hawkesworth, M.R. 9—52480
Walker, J.A. *see* Moore, B.C. 9—80627
Walker, J.A. *see* Potvin, A.R. 9—96541
Walker, J.C. *see* Chien, C.L. 9—60411
Walker, J.C.G. The early history of oxygen and ozone in the atmosphere 9—84487
Walker, J.C.G. *see* Chameides, W.L. 9—96940
Walker, J.C.G. *see* Levine, J.S. 9—96788
Walker, J.C.G. *see* Mayr, H.G. 9—84556
Walker, J.C.G. *see* Torr, D.G. 9—96856
Walker, J.D.A., Weigand, G.G. An accurate method for two-point boundary value problems 9—88795
Walker, J.G. Signal to noise ratio in speckle interferometry in the photon counting autocorrelation mode at low light levels 9—76613
Walker, J.G. *see* Parry, G. 9—100948
Walker, J.K. *see* Dighton, G.P. 9—70600
Walker, J.S. Solitary fluid transients in rectangular ducts with transverse magnetic fields. II 9—77288
Walker, J.S. *see* Domany, E. 9—60628
Walker, K. *see* Homsy, G.M. 9—94377
Walker, K.L. *see* Nagel, S.R. 9—52123
Walker, M., Will, C.M. Relativistic Kepler problem. I. Behavior in the distant past of orbits with gravitational radiation damping 9—88574
Walker, M., Will, C.M. Relativistic Kepler problem. II. Asymptotic behavior of the field in the infinite past 9—88575
Walker, M.B. *see* Montgomery, D.S. 9—69397
Walker, M.F. Electronographic photometry of star clusters in the Magellanic Clouds. VII. The colour-magnitude diagram of NGC 2231 9—92813
Walker, N., Haward, R.N., Hay, J.N. Plastic fracture in poly(vinylchloride) 9—56994
Walker, N. *see* Tevault, D.E. 9—89669
Walker, P., Powell, D.J. The sensitivity of binocular rivalry to changes in the nondominant stimulus 9—62263
Walker, P. *see* Monsler, M. 9—49862, 9—85772
Walker, P.J. Crystal growth of K_2CuF_4 and some solid solutions of K_2CuF_4-K_2ZnF_4 9—52107
Walker, P.J. Crystal growth of sodium sulphide, Na_2S 9—100044
Walker, P.J. *see* Beauvillain, P. 9—61149
Walker, P.J. *see* Hidaka, M. 9—86762
Walker, P.J. *see* Smith, S.H. 9—87573
Walker, P.L., Jr. *see* Everson, R.C. 9—79296
Walker, P.M., Faber, S.R., Bentley, W.H., Ronningen, R.M., Firestone, R.B., Bernthal, F.M. Negative-parity yrast band in ^{170}Yb: rotation-aligned neutrons with deformation-coupled bandhead? 9—93489
Walker, P.S., Greene, D., Ben-Dov, M. Experimental evaluation of the fixation of knee prosthesis tibial components 9—92431
Walker, Q.A. *see* Ormrod, J.H. 9—54657
Walker, R., Richardson, S.A. Decoration of cracks in oxides by electrodeposited metals 9—70266
Walker, R.B. *see* Becker, C.H. 9—89748
Walker, R.B. *see* Light, J.C. 9—59534
Walker, R.B. *see* Schneider, B.I. 9—54273
Walker, R.B. *see* Ward, D. 9—65130
Walker, R.C. *see* Cohen, M.H. 9—92882
Walker, R.C. *see* Spencer, J.H. 9—71037
Walker, R.J. *see* Ahlman, R.S. 9—67991, 9—72012
Walker, R.J. *see* Erickson, K.N. 9—66882
Walker, R.L. *see* Jones, L.M. 9—57927
Walker, S.M. *see* Block, H. 9—73883
Walker, W.D. *see* Biswas, N.N. 9—63556
Walker, W.E., Housman, J.J., Russell, J.L. Measurement of heat loss from a heat receiver assembly of a fixed mirror solar concentrator 9—52905
Walker, W.R. *see* Faraj, B.A. 9—53231
Walker, W.S.G. *see* Nelson, G.J. 9—53827
Walkiewicz, T.A. *see* Raman, S. 9—54407
Walkup, J.F. *see* Hagler, M.O. 9—76622
Walkup, J.F. *see* Marks, R.J., II 9—50229, 9—94165
Wall, B.F., Fisher, E.S., Paynter, R., Hudson, A., Bird, P.D. Doses to patients from pantomographic and conventional dental radiography 9—92375
Wall, C., III, Kozak, W.M., Sanderson, A.C. Entrainment of oscillatory neural activity in the cat's lateral geniculate nucleus 9—92216
Wall, C.D., Catterick, T. A simple method for improving control of the time constant in recording transient signals in atomic-absorption spectrometry 9—52855
Wall, S.D. *see* Jones, K.L. 9—80265
Wall, S.M. *see* Appel, B.R. 9—83668
Wall, W.F. *see* O'Neill, G. 9—61690
Walla, J. *see* Dvoracek, E. 9—87894
Wallace, A.G. *see* Smith, W.M. 9—70672
Wallace, B.R., Manager, S.M.D. Recent developments in plasma spraying 9—94825
Wallace, D.J. Some applications of instantons in statistical mechanics 9—75450
Wallace, D.J., Zia, R.K.P. Euclidean group as a dynamical symmetry of surface fluctuations: the planar interface and critical behavior 9—97333
Wallace, G.T., Jr., Duce, R.A. Open-ocean transport of particulate trace metals by bubbles 9—57940
Wallace, J.M. *see* Hemmendinger, A. 9—59254
Wallace, J.R. *see* Potter, D.I. 9—77647
Wallace, L., Smith, G.R. The Jovian temperature sturcture obtained by inversion of infrared spectral measurements 9—75141
Wallace, L. *see* Tokunaga, A.T. 9—96947
Wallace, O.J. *see* Shure, K. 9—76083
Wallace, P.R. Electronic g-factor in Cd_3As_2 9—60691
Wallace, P.R. *see* Das, A.K. 9—60754
Wallace, P.R. *see* Joos, B. 9—82559
Wallace, R., Wu, A.A. Computation of vibrational stretching spectra of CH_2X_2 and CD_2X_2 molecules using the internal coordinate model 9—63974
Wallace, R. *see* Bloch, P. 9—62370
Wallace, R. *see* Goodwin, B.W. 9—75561
Wallace, R.J. *see* Bass, M. 9—70199
Wallace, S., Dill, D., Dehmer, J.L. Spectral variation of molecular photoelectron angular distributions: valence shells of N_2 and CO 9—81238
Wallace, S.J., Banerjee, M.K. Is there a large local field correction to the π-nucleus optical potential? 9—85421
Wallace, S.J. *see* McNeil, J.A. 9—71662
Wallace, W.E. Magnetic properties of metal hydrides and hydrogenated intermetallic compounds 9—82754
Wallace, W.E., Ganapathy, E.V., Craig, R.S. Magnetism of $ThCo_5$-based alloys 9—78364
Wallace, W.E. *see* Fish, G.E. 9—78327
Wallace, W.E. *see* Malik, S.K. 9—69656
Wallace, W.E. *see* Satyanarayana, M.V. 9—78363
Wallan, D.J. *see* Morris, M.D. 9—92014
Wallart, F. *see* Beny, J.M. 9—91940
Wallart, F. *see* Herzog-Cance, M.H. 9—73915
Wallbridge, J.M.E. *see* Groves, T.K. 9—68807
Wallden, L. *see* Lindgren, S.A. 9—78826, 9—83100
Walle, J.van de *see* van de Walle, J.
Walle, R.T.Van de *see* Van de Walle, R.T.
Walle, R.T.Van De *see* Van De Walle, R.T.
Waller, D.A. Noise in the commercial environment 9—76912
Waller, S.M. *see* England, R. 9—49842
Wallerstein, G., Brown, J.A., Bates, B.A. The chemical composition and luminosity of the CH-type Cepheid, V553 Centauri 9—62849
Wallerstein, G. *see* Bond, H.E. 9—58376
Wallgren, A. *see* Blomgren, H. 9—88125

Wallin, H.-P. *see* Bark, F.H. 9—50733
Walling, J.C. Quenching of coercive force in bubble films by domain wall restoring forces 9—78460
Walling, J.C., Jenssen, H.P., Morris, R.C., O'Dell, E.W., Peterson, O.G. Tunable-laser performance in $BeAl_2O_4:Cr^{3+}$ 9—72573
Wallis, D.D., Burrows, J.R., Moshupi, M.C., Anger, C.D., Murphree, J.S. Observations of particles precipitating into detached arcs and patches equatorward of the auroral oval 9—70911
Wallis, D.D. *see* Moshupi, M.C. 9—70910
Wallis, G.B., Richter, H.J. An isentropic streamtube model for flashing two-phase vapor-liquid flow 9—55412
Wallis, J.R. *see* Landwehr, J.M. 9—84319
Wallis, J.R. *see* Panattoni, L. 9—88373
Wallis, R.F., Mills, D.L., Maradudin, A.A. Attenuation of Rayleigh waves by point defects 9—73251
Walliser, H. *see* Dreissigacker, K. 9—84996
Wallman, J., Turkey, J. Extreme myopia produced by modest change in early visual experience 9—53085
Wallner, I. The state of solar technology developments in the Federal Republic of Germany 9—57386
Wallner, P.E., Brady, L.W., Vonderheid, E.C., Van Scott, E.J., Asbell, S.O. Evaluation and recommendations for therapy of advanced mycosis fungoides lymphoma 9—88157
Wallraff, W. *see* Brandelik, R. 9—63491, 9—93441
Wallrich, M. *see* Erdman, A.G. 9—92274
Wallroth, C.F., Holzgraf, J.F. Gamma spectroscopic examination of the Peach Bottom HTGR core 9—67909
Wallroth, C.F., Saurwein, J.J. HTGR nuclear and thermal design verification in Peach Bottom 9—67907
Walls, D.F. Evidence for the quantum nature of light 9—85251
Walls, D.F., Drummond, P.D., Hassan, S.S., Carmichael, H.J. Non-equilibrium phase transitions in cooperative atomic systems 9—80559
Walls, F.L., Howe, D.A. A passive hydrogen maser frequency standard 9—55100
Walls, F.L., Wineland, D.J., Drullinger, R.E. New possibilities for frequency standards using laser cooling and detection of stored ions 9—54102
Walls, F.L. *see* Stein, S.R. 9—54109
Walls, J.M., Southworth, H.N. Magnification in the field-ion microscope 9—54228
Walls, J.M. *see* Dunn, P. 9—81384
Walls, J.M. *see* Webber, R.D. 9—78816
Walls, W.R. High integrity flow metering 9—81999
Wallwork, G.R. *see* Gainer, L.J. 9—91863
Wallwork, G.R. *see* Sakiyama, M. 9—83376
Walmsley, C. *see* Winnberg, A. 9—62843
Walmsley, C.M. *see* Pankonin, V. 9—67073
Walmsley, D.G. *see* Floyd, R.B. 9—56445
Walmsley, H.J., Jones, G.R., Barrault, M.R. The thermal disturbance produced by an arc in a model gas-blast circuit-breaker 9—60208
Walmsley, J.L. *see* Barrie, L.A. 9—70478
Walmsley, S.H. *see* Califano, S. 9—82290
Walon, M. An oil company takes a look at solar energy 9—100487
Waloschek, P. *see* Berger, C. 9—49519
Walraven, J.T.M., Eliel, E.R., Silvera, I.F. An atomic beam technique for the study of active solid nitrogen 9—99911
Walraven, R., Yin Yeh Spurious pulse rejection in a photon correlation experiment 9—71540
Walrond, J.P. *see* Stretton, A.O.W. 9—92208
Walser, R.M., Becker, M.F. Fast laser kinetic studies of the semiconductor-metal phase transition in VO_2 thin films 9—69419
Walser, R.M. *see* Remke, R.L. 9—95533
Walsh, C.J., Brand, G.F., James, B.W. Separation of metals in a rotating plasma. II 9—98988
Walsh, D., Carswell, R.F., Weymann, R.J. 0957+561 A, B: twin quasistellar objects or gravitational lens? 9—67114
Walsh, E.J., Kenney, J.E. The surface contour radar, a unique radar remote sensing instrument 9—80063
Walsh, F.C., Gabe, D.R. The electrodeposition of indium 9—83144
Walsh, J.B. *see* Savage, J.C. 9—84121
Walsh, J.E. *see* Douple, E.B. 9—83893, 9—100700
Walsh, J.T., Thomas, C.W., Goldberg, A.D. Computer analysis of continuously recorded blood pressure in ambulant hypertensives 9—62390
Walsh, P.J. Dose conversion factors for radon daughters 9—70641
Walsh, P.J., Pooladdej, D., Thompson, M.J., Allison, J. Characterization of light emission from amorphous chalcogenide switches 9—78139
Walsh, P.R., Duce, R.A., Fasching, J.L. Tropospheric arsenic over marine and continental regions 9—70486
Walsh, P.R., Duce, R.A., Fasching, J.L. Considerations of the enrichment, sources, and flux of arsenic in the troposphere 9—70487
Walsh, T.F. *see* Bigi, I.I.Y. 9—49455
Walsh, T.F. *see* Koller, K. 9—49454
Walsh, T.J. *see* Somayajulu, B.L.K. 9—84520
Walsh, W.M., Jr. *see* Dunifer, G.L. 9—77986
Walstad, A. Tachyons in an expanding universe 9—67155
Walstad, A. The equivalence principle 9—71200
Walstedt, R.E., Kummer, R.B., Geschwind, S., Narayanamurti, V., Devlin, G.E. Magnetic properties of an amorphous antiferromagnet 9—78367
Walstedt, R.E. *see* Dupree, R. 9—82755
Walt, M., Newkirk, L.L., Francis, W.E. Bremsstrahlung produced by precipitating electrons 9—66862
Walte, F. *see* Werneyer, R. 9—91877
Walter, C.W. *see* Diack, A.W. 9—88147
Walter, D.K. *see* Bond, H.E. 9—58376
Walter, F. *see* Cash, W. 9—97035
Walter, F. *see* Zeilik, M. 9—84826
Walter, F.M. *see* Tuohy, I.R. 9—62892
Walter, H.K. *see* Backe, H. 9—86093
Walter, H.K. *see* Dey, W. 9—98252
Walter, H.K. *see* Engfer, R. 9—85497
Walter, H.K. *see* Navon, I. 9—63705, 9—85543
Walter, J. On the definition of the absolute temperature—a reconciliation of the classical method with that of Caratheodory 9—49186
Walter, J.D. *see* Lou, A.Y.C. 9—57043
Walter, J.L. Chemical ordering in some amorphous alloys 9—90563
Walter, J.L. *see* Berkowitz, A.E. 9—73778
Walter, J.L. *see* Chien, C.L. 9—95693
Walter, J.L. *see* Luborsky, F.E. 9—51832, 9—82820
Walter, J.L. *see* Musser, D. 9—73858
Walter, J.L. *see* Rhyne, J.J. 9—73701
Walter, K. A long period variation in the light curve of TV Cassiopeiae and its interpretation 9—101174
Walter, M. *see* Barrett, T. 9—84919
Walter, M. *see* Givernaud, A. 9—58982
Walter, M.R. *see* Burek, P.J. 9—84112
Walter, P.von *see* von Walter, P.
Walter, P.F., Bell, G.R. Vacuum furnace fusing improves surface coatings 9—83367
Walter, R. *see* Katz, H. 9—59609
Walter, R. *see* Rama Krishna, N. 9—83692
Walter, R.L. *see* Byrd, R.C. 9—80914, 9—85449
Walter, W. *see* Krysmanski, K.H. 9—68951
Walter-Peters, M.J. *see* Overweg, J.A. 9—63286
Walters, C.T., Clauer, A.H. Time-resolved specular reflectivity of metals subjected to 10.6-μm laser pulses 9—69819
Walters, D.L., Favier, D.L., Hines, J.R. Vertical path atmospheric MTF measurements 9—84478
Walters, E.A. *see* Trott, W.M. 9—98165
Walters, G. *see* Hinotanti, K. 9—93461
Walters, G. *see* Neal, H.A. 9—97636
Walters, G. *see* Polvado, R. 9—63543
Walters, G.A. *see* Polvado, R.O. 9—58983
Walters, G.K. *see* Hodge, L.A. 9—79474
Walters, G.K. *see* Riddle, T.W. 9—60632, 9—60633
Walters, J.P. *see* Scheeline, A. 9—73050, 9—80690
Walters, K. Developments in non-Newtonian fluid mechanics—a personal view 9—60010
Walters, L.C. Creep and swelling in EBR-II reactor components 9—54499
Walters, P.J. *see* Bowler, K.C. 9—89127
Walters, R.V., Jr. *see* Madenburg, R.S. 9—100553
Walters, W.B. *see* Schneider, E.W. 9—63628
Walters, W.F., O'Dell, R.D. A linear, continuous triangular-mesh difference scheme for transport codes 9—59134
Walters, W.F. *see* O'Dell, R.D. 9—80994
Walterscheid, W.J. *see* Sakurada, Y. 9—54680
Waltersson, K. The crystal structure of $Cs[VOF_3].^1/_2H_2O$ 9—60333
Waltersson, K. Neutron and X-ray diffraction structure determination of $Cs_2[VOF_4(H_2O)]$, a compound previously assigned Cs_2VF_6 composition 9—90613
Walther, A. *see* Freniere, E.R. 9—71396
Walther, G. Temperature regulation with Veritron AC power controllers 9—80598
Walther, H. *see* Hager, J. 9—64026
Walther, V. Nucleon structure and nucleon-nucleon interaction 9—71797
Walther, V.H. *see* Simon, G.G. 9—93418
Waltl, J. *see* Feichtinger, H. 9—82200
Walton, A. Ultrasonics in medicine. I 9—92308
Walton, A. Ultrasonics in medicine. II 9—100685
Walton, C. *see* Ling, G.N. 9—62213
Walton, C.W., Mullins, J.C., Holste, J.C., Hall, K.R., Eubank, P.T. Optimal determination of the vapor pressure critical exponent 9—51271
Walton, I.C. *see* Hall, P. 9—50725
Walton, I.C. *see* Hocking, L.M. 9—50734
Walton, J., Dixon, R., Edwards, H., McCarthy, J. A superconducting dipole for the Fermilab switchyard 9—76204
Walton, J.D., Brown, C.T., Bomar, S.H., Jr., Poulos, N.E. Preliminary results from the Georgia Tech. 400 kWth solar thermal test facility 9—61955
Walton, R.B. *see* Bowersox, D.F. 9—85589
Walton, T.L., Jr. Coastal erosion—some causes and some consequences (with special emphasis on the State of Florida) 9—57911
Walton, W.P. Practical considerations for stack emission monitoring systems 9—100558
Waltz, R.E. *see* Schaffer, M.J. 9—50885
Waltz, W.R., Ashline, R.C. Neutron interaction analysis of a large nuclear facility 9—63822
Waltz, W.R. *see* Ashline, R.C. 9—85728
Waluk, J. Influence of protonation upon excited states of diazanaphthalenes. Semi-empirical study of phthalazine and quinoxaline 9—76353
Walukiewicz, W. Landau levels and interband Faraday rotation in mixed semiconductors containing paramagnetic atoms 9—61348
Walukiewicz, W., Aggarwal, R.L., Stoelinga, J.H.M. Shallow-acceptor contribution to the near-resonance spin-flip Raman scattering in semiconductors 9—95754
Walukiewicz, W., Lagowski, J., Jastrzebski, L., Gatos, H.C. Minority-carrier mobility in p-type GaAs 9—99545
Walukiewicz, W., Lagowski, L., Jastrzebski, L., Lichtensteiger, M., Gatos, H.C. Electron mobility and free-carrier absorption in GaAs: Determination of the compensation ratio 9—56218
Walukiewicz, W., Stoelinga, J.H.M., Aggarwal, R.L., Lax, B., Kruse, P.W. Near resonance stimulated spin-flip Raman scattering in $Hg_{0.77}Cd_{0.23}Te$ 9—82983
Walukiewicz, W. *see* Lagowski, J. 9—82674, 9—99575
Walz, F., Deusch, H., Kronmuller, H. Investigation of magnetic after-effects in magnetite near the Verwey temperature 9—87294
Walz, F. *see* Decker, W. 9—55920
Walzer, K., Tacke, M., Busse, G. Optoacoustic spectra of some far-infrared laser active molecules 9—59448
Wambach, J., Osterfeld, F., Speth, J. Theoretical investigation of giant resonances by inelastic proton scattering 9—85432
Wambach, J. *see* Madsen, V.A. 9—93581
Wampler, F.B., Rice, W.W., Oldenborg, R.C., Akerman, M.A., Magnuson, D.W., Smith, D.F., Werner, G.K. Emission and ionization induced by focused KrF-laser irradiation of UF_6 9—64034
Wampler, F.B. *see* Tiee, J.J. 9—98131
Wamser, C. *see* Kloppel, M. 9—66748
Wamsteker, W. The continuous energy distribution of Nova Cygni 1975 9—80315
Wamsteker, W. *see* Phillips, M.M. 9—88741
Wan, C.C. *see* Wu, T.S. 9—87851
Wan, F.W.M., Tuckwell, H.C. The response of a spatially distributed neuron to white noise current injection 9—83728
Wan, J.K.S. *see* Deboer, J.W.M. 9—52694
Wan, J.K.S. *see* Elliot, A.J. 9—50052
Wan Lai, He Miao-Fu, Zhu Guo-Liang, Li Zhong-Yuan Proper motions of 64 RR Lyrae variables 9—80319
Wan Xian *see* Wang Ren-hui 9—73072
Wan Zhao-wei *see* Qian Ning 9—79886
Wan-Li Peng *see* Peng Wan-Li
Wan-quan Yin *see* Yin Wan-quan
Wan-ti Duan *see* Duan Wan-ti
Wan-xie Zhong *see* Zhong Wan-xie
Wan-yun Zhao *see* Zhao Wan-yun
Wanarski, W. Influence of γ-irradiation on the dielectric properties of thiourea monocrystals 9—91391
Wandelt, K. *see* Chuang, T.J. 9—83084
Wanderer, P. *see* Entenberg, A. 9—54333
Wanderlingh, F. *see* Ballaro, S. 9—61917
Wandzura, S.M. Effects of atomic motion on wavefront conjugation by resonantly enhanced degenerate four-wave mixing 9—76746
Wandzura, S.M. *see* Valley, G.C. 9—80021
Wang, B.C. *see* Baines, A.D. 9—83820
Wang, B.C. *see* Furey, W., Jr. 9—99168
Wang, C., Gomer, R. Sticking coefficients of CO, O_2 and Xe on the (110) and (100) planes of tungsten 9—82464
Wang, C.A. *see* Gyorgy, E.M. 9—78345
Wang, C.A. *see* Nassau, K. 9—61568
Wang, C.C. Heteroepitaxial growth and characterization of compound semiconductors 9—83133
Wang, C.C., Kim, M.E. Long-wavelength PbSnTe/PbTe inverted heterostructure mosaics 9—85182
Wang, C.C. *see* Killinger, D.K. 9—100425
Wang, C.C. *see* Lanir, M. 9—67385
Wang, C.C. *see* Cullen, G.W. *(editor)* 9—83116
Wang, C.-C. Quasi-static controllable processes of incompressible isotropic homogeneous anelastic material bodies 9—68592
Wang, C.-C., Marris, A.W. Proof that motions obtained in the preceding paper by Marris are universal for all incompressible isotropic simple materials [steady universal motions of Rivlin-Ericksen fluids] 9—68758
Wang, C.H. Theory of depolarized Rayleigh-Brillouin spectra and rotation-translation coupling in molecular liquids and solids 9—69850
Wang, C.H. *see* Lund, P.-A. 9—51973
Wang, C.H. *see* Satija, S.K. 9—65886
Wang, C.H. *see* Stokes, H.T. 9—65751
Wang, C.H. *see* Whittenburg, S.L. 9—65850
Wang, C.L. *see* Walenta, A.H. 9—54743

Wang, C.P., Gibb, O.L. 2-kHz repetition rate XeF laser 9—59714
Wang, C.P., Smith, P.L. Phase control of HF chemical lasers for coherent optical recombination 9—72580
Wang, C.P., Varwig, R.L. Frequency stabilization of HF lasers by means of beat signals and anomalous dispersion 9—86187
Wang, C.S., Freeman, A.J. Electronic structure of thin films by self-consistent numerical-basis-set linear combination of atomic orbitals method: Ni(001) 9—60938
Wang, C.S., Freeman, A.J. Self-consistent studies of magnetic thin film Ni (001) 9—73560
Wang, C.S., Freeman, A.J. Self-consistent electronic structure of chemisorption bonding: c(2×2)O on Ni(001) 9—78146
Wang, C.S. *see* Zdetsis, A.D. 9—73271
Wang, C.W. *see* Nadasen, A. 9—67650
Wang, C.Y., Chang, Y.W. Comparison of ICECO predictions of wave propagation in the rigid two-dimensional vessel experiments 9—49770
Wang, C.Y., Sonnenblick, E.H. Dynamic pressure distribution inside a spherical ventricle 9—70562
Wang, C.Y. *see* Skalak, F.M. 9—90296
Wang, E. *see* Ammosov, V. 9—71737
Wang, E. *see* Berge, J.P. 9—71741
Wang, F.E. An unusual phenomenon in the formation of Li_5B_4 compound-alloy 9—56959
Wang, F.E. Phase equilibrium diagrams and the liquid state 9—60473
Wang, F.F.Y., Lin, C.H., Yoo, K.C., Herley, P.J., Herman, H., Kao, Y.H. Analysis of optical scattering of small gold particles in a polyester matrix 9—73961
Wang, G.-C., Dunlap, B.I., Celotta, R.J., Pierce, D.T. Symmetry in low-energy-polarized-electron diffraction 9—60233
Wang, G.-C. *see* Lagally, M.G. 9—82421
Wang, H.A. *see* Hou, L.D. 9—78109
Wang, H.C. *see* Dosser, L.R. 9—52695
Wang, H.F. Elastic constant systematics 9—69177
Wang, H.T. *see* Davidson, B. 9—79897
Wang, J.C., Wood, R.F., White, C.W., Appleton, B.R., Pronko, P.P., Wilson, S.R., Christie, W.H. Dopant profile changes induced by laser irradiation of silicon: comparison of theory and experiment 9—69148
Wang, J.C. *see* Bates, J.B. 9—73341
Wang, J.C. *see* Kaneda, T. 9—99364
Wang, J.C.F., Dubberley, A.E. LMFBR vented assembly hydraulic modeling and testing 9—59148
Wang, J.C.F., Springer, G.S. Vibrational relaxation times in CH_4-N_2 and C_2H_4-N_2 mixtures 9—98852
Wang, J.M. *see* Courant, E.D. 9—72091
Wang, J.-S., Knox, J.R., Porter, R.S. Steady-state and dynamic rheology of poly(1-olefin) melts 9—59956
Wang, J.T. *see* Morton, J.R. 9—76453
Wang, J.T.-S., Dickson, J.N. Elastic beams of various orders 9—76968
Wang, J.Y. Effect of finite bandwidth on far-field performance of modal wavefront-compensative systems 9—81361
Wang, K. *see* Elliott, S. 9—50560
Wang, K.K. *see* Galskoy, A. 9—58694
Wang, K.L. A determination of interface state energy during the capture of electrons and holes using DLTS 9—87107
Wang, K.L., Bacon, F., Reihl, R.F. Induced interface interactions in Ti/Si systems by ion implantation 9—77625
Wang, K.L., Liu, Y.S., Kirkpatrick, C.G., Possin, G.E. Electrical properties and annealing kinetics study of laser-annealed ion-implanted silicon 9—69508
Wang, K.L. *see* Lau, K.F. 9—51411
Wang, K.L. *see* Liu, Y.S. 9—60390
Wang, K.Y. *see* Ahmed, M. 9—64411
Wang, L.C. *see* del Papa, C. 9—49528
Wang, L.C. *see* Hill, D.G. 9—71744
Wang, L.L. *see* Shrock, R.E. 9—71686
Wang, L.-L.Chau *see* Chau Wang, L.-L.
Wang, M.T. *see* Kass, J.N. 9—83213
Wang, P.K., Grover, S.N., Pruppacher, H.R. On the effect of electric charges on the scavenging of aerosol particles by clouds and small raindrops 9—53459
Wang, R., Henager, C.H., Jr. Arc-plasma-sprayed rutile anodes for photoelectrolysis of water 9—74407
Wang, R. *see* Brimhall, J.L. 9—65128
Wang, R.H., Fan, L.T., Too, J.R. Multivariate statistical analysis of solids mixing 9—61529
Wang, R.H., Huang, C.Y., Smith, J.L. Critical field effects of the Gd in $Gd_xEr_{1-x}Rh_4B_4$ 9—56392
Wang, R.H. *see* Kohn, S. 9—73696
Wang, R.K. *see* Chiu, R.M.H. 9—86883
Wang, S. *see* Upadhyaya, J.C. 9—99111
Wang, S.C.H., Plonus, M.A., Ouyang, C.F. Irradiance scintillations of a partially coherent source in extremely strong turbulence 9—64176
Wang, S.S. *see* von Gutfeld, R.J. 9—83862
Wang, S.-T., Turner, L.R., Niemann, R.C., Genens, L., Srinivasan, M.S. A superconducting dipole magnet system for the MHD facility at Univ. of Tennessee Space Institute 9—52948
Wang, S.-T. *see* Kim, S.-H. 9—49259
Wang, S-T. *see* Stacey, W.M., Jr. 9—71967
Wang, S.W. *see* Conrad, H. 9—52060
Wang, S.-Y. *see* Vannice, M.A. 9—80683
Wang, S.-Y. *see* Yasuoka, Y. 9—81411
Wang, T. *see* Earnshaw, K.B. 9—70893
Wang, T.C. Current-density distribution in Josephson tunnel junctions 9—78264
Wang, T.F. *see* Striffler, C.D. 9—72020
Wang, T.T., McDavid, J.M., Yee, S.S. Photoacoustic detection of localized absorption regions 9—87466
Wang, V. *see* Seliger, R.L. 9—54225
Wang, W.L. On Dutt fission gas release correlation 9—67826
Wang, W.L., Rest, J., Bandyopadhyay, G. Transient fission gas behaviour: experimental and analytical results 9—59190
Wang, W.S., Kuehl, H.H. Converging nonlinear resonance cones 9—94789
Wang, W.S.-Y. *see* Chiu-Kuang Chuang 9—57673
Wang, X.R. *see* Barber, D.P. 9—89175, 9—97631
Wang, Y., Calvert, L.D., Smart, M.L., Taylor, J.B., Gabe, E.J. The structure of trieuropium tetraarsenide 9—99135
Wang, Y., Rajeshwar, K., DuBow, J. An analysis of the dependence of thermal transport parameters on organic content for Green River oil shales 9—79817
Wang, Yu. *see* Taylor, J.B. 9—51075
Wang, Y.L. *see* Sablik, M.J. 9—78353, 9—78358
Wang, Y.-M. The rotational history of a binary X-ray pulsar 9—62871
Wang, Y.-M. *see* Mestel, L. 9—84813, 9—92794
Wang Bing-zheng *see* Wei Zhong-lei 9—64692
Wang Chang-Bin *see* Wu Lian-Da 9—80207
Wang Cheng-Chih On meson ratios in multiparticle production at high energy—a statistical quark model 9—49558
Wang Chi-yuen *see* Chi-yuen Wang
Wang Chung-shun, Chung Hsiang-chen, Quo Fu The nuclear fiber framework in interphase nucleus 9—92187
Wang Da-Hai *see* Lu Han-Lin 9—49601
Wang Dau-Sing *see* Dau-Sing Wang
Wang Ding-sheng Amorphous magnetism: a review 9—56508
Wang Ding-sheng, Pu Fu-cho The influence of the spatial arrangement of the neighboring atoms on the spin wave spectra of the amorphous ferromagnets 9—91219
Wang Ding-Sheng *see* Chen Guan-Mian 9—88236
Wang Fan *see* Chen Jin-quan 9—58902, 9—93313
Wang Feng-Chi *see* Dung Sung-Sheng 9—57869
Wang Hong-Jun *see* Liao Qian-Chu 9—73229
Wang Hong-Yu *see* Ma Da-You 9—50785, 9—55367
Wang Hsi-kun *see* Hsu Yee-chuang 9—72555
Wang Hsin-Pang *see* Hsin-Pang Wang
Wang Hsing-tung *see* Chou Ming-yu 9—84415
Wang Hsueh-ping *see* Li Ming-chien 9—61925
Wang Ji-zhi A preliminary study of a snowstorm over North China, on December 2, 1974 9—84451
Wang Jia-jun *see* Li Wen-xuan 9—72908
Wang Jin-tong *see* Shao Ping-huang 9—82337
Wang Keren, Xu Jilin, Gao Hua Calculation of stress intensity factors for combined mode bend specimens 9—77025
Wang Kuei-fang *see* Chou Ming-yu 9—84415
Wang Ler *see* Zhou Bing-lin 9—91072
Wang Lian-jie *see* Li Fang-quan 9—88312
Wang Ling-Lie Chau *see* Ling-Lie Chau Wang
Wang Long Surface physics problems in controlled nuclear fusion 9—97904
Wang Neng-Ming *see* Neng-Ming Wang
Wang Po-Wen *see* Po-Wen Wang
Wang Qi-liang *see* Chen Chang 9—90708
Wang Ren-hui, Kang Li-shan, Sun Tian-xi, Wan Xian Treatment of extinction problems in the automatic calculation of fundamental data of reciprocal lattice planes 9—73072
Wang Rong *see* Rong Wang
Wang Shang-yi A review on the effective power of sediment suspension in open channel flow—on the criteria of distinguishing bed material load from wash load 9—90338
Wang Shi-Chen *see* Shi-Chen Wang
Wang Shih Yi *see* Shih Yi Wang
Wang Shih Yuan *see* Shih Yuan Wang
Wang Shing-Yah *see* Shing-Yah Wang
Wang Shui, Guo Zi-Qiang, Lin Qi-jin A geomagnetic disturbance accompanying the propagation of seismic waves 9—88238
Wang Tang-Han *see* Carley, A.F. 9—77922
Wang Thien-si *see* Thien-si Wang
Wang Ting-Yuan *see* Zhang Yi-Xiang 9—50282
Wang Tsou-hsin *see* Yen Chi-min 9—49964
Wang Wei-qi Multiscan echocardiography. II 9—66495
Wang Wen-kui A criterion on the stability of A15 phases 9—91195
Wang Yen-Chu *see* Yen-Chu Wang
Wang yi-ju *see* Chao Bo-lin 9—80188
Wang Yu *see* Yu Wang
Wang Yu-Tang *see* Chen Yan-Song 9—50247
Wang Yun *see* Liao Qian-Chu 9—73229
Wang Yung-Li *see* Yung-Li Wang
Wang Zhen-Xi *see* Guo Hoi-Qun 9—51830
Wang Zhen-Yi *see* Ye Shi-Hui 9—80289
Wang Zheng-da, Gu Jin-nan, Yu Chao-fan, Luo Shi-yu Introduction of the concept of the depairing probability to explore nuclear high spin states 9—80864
Wang Zhou-Yuan *see* Feng De-Yi 9—62435
Wang Zong-Xian, Zheng Dong-Yan, Chen Sen-Hui, Wu Ying-Xiang, Liu Gui-Fen On fault displacement in the Peking district 9—62462
Wang Zuqi A theoretical study of interaction impedance measurement of planar slow-wave structure 9—80586
Wangler, M. *see* Drenckhahn, W. 9—93584
Wangler, T.P. *see* Braid, T.H. 9—60414
Wanhill, R.J.H. The influence of texture on environmental fatigue crack propagation in titanium alloys 9—91802
Wanhill, R.J.H., Schra, L., van Leeuwen, H.P. Some engineering property comparisons for 7050 and AZ 74.61 die forgings 9—70219
Wani, A.M., Mukherjee, T., Mittal, J.P. Matrix isolation spectroscopic studies of electron attachment processes: perfluoro benzene and perfluoro toluene anions 9—52704
Wani, P.A. *see* Agarwal, M.K. 9—86759
Wanke, E., Carbone, E., Testa, P.L. K^+ conductance modified by a titratable group accessible to protons from the intracellular side of the squid axon membrane 9—62221
Wanke, S.E. *see* Fiedorow, R. 9—56070
Wankiewicz, A. Water pressure in ripe snowpacks 9—53384
Wanklyn, B. *see* Atzmony, U. 9—99707
Wanklyn, B.M., Maqsood, A. The flux growth of some rare-earth and iron group complex oxides 9—83113
Wanklyn, B.M., Wondre, F.R., Maqsood, A., Yanagisawa, K., Davison, W. Flux growth of crystals of some transition metal fluorides. II 9—65991
Wanklyn, B.M. *see* Garrard, B.J. 9—78861, 9—99346
Wanklyn, B.M. *see* Hidaka, M. 9—69240
Wanklyn, B.M. *see* Maqsood, A. 9—52097
Wanklyn, B.M. *see* Rulmont, A. 9—69837
Wanklyn, B.M.R. *see* Hidaka, M. 9—95161
Wann-Quan Li, Wei-Tou Ni On an accelerated observer with rotating tetrad in special relativity 9—80430
Wann-Quan Li, Wei-Tou Ni Coupled inertial and gravitational effects in the proper reference frame of an accelerated rotating observer 9—93007
Wannebo, K. *see* Dehnhard, D. 9—63700
Wanner, A. *see* Kung, M. 9—83824
Wanner, M. *see* Leiderer, P. 9—65285, 9—99380
Wannier, G.H., Obermair, G.M., Ray, R. Magnetoelectronic density of states for a model crystal 9—77978
Wannier, G.H. *see* Claro, F.H. 9—95307
Wannier, P.G., Leighton, R.B., Knapp, G.R., Redman, R.O., Phillips, T.G., Huggins, P.J. High-resolution observations of CO in IRC+10216 and three related objects 9—62931
Wannier, P.G. *see* Phillips, T.G. 9—92827
Wannier, P.G. *see* Scoville, N.Z. 9—80341
Wantanabe, O. *see* Shiota, I. 9—57010
Wantanabe, T. *see* Uyeda, S. 9—66652
Wantenaar, G.H.J., Campbell, S.J., Chaplin, D.H., McKenna, T.J., Wilson, G.V.H. AC susceptibility and temperature modulation studies of gadolinium 9—61072
Wantland, J.L. *see* Hanus, N. 9—85656
Wanuga, S. *see* Kowel, S.T. 9—50244, 9—72514
Wapenaar, K.E.D., Schoonman, J. The ionic conductivity of fluorite-structured solid solutions of composition: MF_2:UF_4:CeF_3 (M=Ca, Sr, Ba) 9—99356
Warble, C.E. Improved grid holders for an all-purpose electron microscope specimen stage 9—67436
Warburton, E.K., Olnesss, J.W., Lister, C.J. Lifetimes of the ^{21}Ne 2796-, 1747-, and 2867-keV levels 9—93553
Warburton, E.K. *see* Alburger, D.E. 9—93560
Warburton, G.B., Krishna Murty, A.V., Shivakumar, K.N. Comments on 'A high-precision ring element for vibrations of laminated shells' [by K.N. Shivakumar, A.V. Krisha Murty, with their reply] 9—81789
Warburton, W.K., Moss, S.C. Lattice-parameter changes due to Au dissolution in Pb 9—77558
Warburton, W.K. *see* Huang, H.W. 9—66459
Warchol, E.J. *see* Baker, R.W. 9—83549
Warchol, M.P., Vaughan, W.E. Forced rotational diffusion of linear molecules. Nonlinear aspects 9—90503
Ward, B.F.L. Quarks, quaternions and weakly coupled gauge fields 9—63349
Ward, B.F.L. On the question of gauge ambiguity 9—75679
Ward, B.F.L. Weak exchange degeneracy in the reactions $\pi^+p \to K^+\Sigma^+$ and $K^-p \to \pi^-\Sigma^+$ at 4, 7, 11.5, and 70 GeV/c 9—93462
Ward, B.F.L. *see* Bartlett, D.F. 9—97549

Ward, C.A. *see* Bell, R.J. 9—51927
Ward, C.A. *see* Campbell, I.G. 9—66185
Ward, C.P., Ward, D.R., Ansorge, R.E., Carter, J.R., Neale, W.W., Rushbrooke, J.G., Oh, B.Y., Pratap, M., Smith, G.A., Whitmore, J., Raja, R., Voyvodic, L. General features of charged particle production in $\bar{p}p$ interactions at 100 GeV/c 9—75803
Ward, D., Andrews, H.R., Mitchell, I.V., Lennard, W.N., Walker, R.B., Rud, N. Systematics for the Z_1-oscillation in stopping powers of various solid materials 9—65130
Ward, D. *see* Haas, B. 9—71783
Ward, D. *see* Hausser, O. 9—63578
Ward, D. *see* Houck, J.R. 9—66925
Ward, D.P. *see* Shaw, R.H. 9—100917
Ward, D.R. *see* Pratap, M. 9—63512
Ward, D.R. *see* Ward, C.P. 9—75803
Ward, D.S. Solar absorption cooling feasibility 9—74502
Ward, D.S., Duff, W.S., Ward, J.C., Lof, G.O.G. Integration of evacuated tubular solar collectors with lithium bromide absorption cooling systems 9—62135
Ward, D.S., Ward, J.C. Design considerations for residential solar heating and cooling systems utilizing evacuated tube solar collectors 9—88002
Ward, E.M. *see* Ward, S.M. 9—86195
Ward, F.E. *see* Greene, D.E. 9—88074
Ward, G.F. *see* Spicer, C.W. 9—92110
Ward, G.W. *see* Churches, A.E. 9—70566
Ward, H. *see* Drever, R.W.P. 9—93033
Ward, H.J. *see* Cottingame, W.B. 9—85535
Ward, I.M. *see* Capaccio, G. 9—56996
Ward, I.M. *see* Clements, J. 9—91717
Ward, I.M. *see* Gibson, A.G. 9—77776
Ward, I.M. *see* Nobbs, J.H. 9—99084
Ward, J. *see* Bloomer, J.R. 9—100970
Ward, J.C. *see* Ward, D.S. 9—62135, 9—88002
Ward, J.F., Kuo, I. Radiation damage to DNA in aqueous solution: a comparison of the response of the single-stranded form with that of the double-stranded form 9—92153
Ward, J.F., Miller, C.K. Measurements of nonlinear optical polarizabilities for twelve small molecules 9—54991
Ward, J.W. *see* Giese, D.A. 9—96697
Ward, J.W. *see* Seliger, R.L. 9—54225
Ward, K.D. *see* Lewis, B.G. 9—73103
Ward, L.C. *see* Johnson, H. 9—96723
Ward, L.W. Application of drift flux to transient two-phase level swell 9—49656
Ward, L.W. Application of drift flux to transient two-phase level swell 9—81027
Ward, M.J. *see* Griffiths, R.E. 9—101211
Ward, N.J. *see* Ekstron, L.P. 9—59032
Ward, N.J. *see* Mustaffa, O.M. 9—85402
Ward, P.F.V. *see* Huskisson, N.S. 9—62410
Ward, R.W. *see* Sinton, J.B. 9—84133
Ward, S.H., Parray, W.T., Nash, W.P., Sill, W.R., Cook, K.L., Smith, R.B., Chapman, D.S., Brown, F.H., Whelan, J.A., Bowman, J.R. A summary of the geology, geochemistry, and geophysics of the Roosevelt Hot Springs thermal area, Utah 9—84260
Ward, S.H. *see* Tripp, A.C. 9—84095
Ward, S.M., Ward, E.M. Diode laser communications for remote utility meter reading 9—86195
Ward, S.N. Ringing P waves and submarine faulting 9—84158
Ward, T.E. *see* Jha, S. 9—78580
Ward, W.R., DeCampli, W.M. Comments on the Venus rotation pole 9—66943
Warde, C., Fisher, A.D., Cocco, D.M., Burmawi, M.Y. Development of the microchannel spatial light modulator 9—72714
Warde, C. *see* Fisher, A.D. 9—63302
Warde, C. *see* Reilly, D.M. 9—59634
Warden, E.S. *see* Lazar, N.H. 9—55559
Warden, J.T. *see* Rawal, B.S. 9—99757
Wardlaw, D.M. *see* Willis, C. 9—50905
Wardlaw, N., Oldershaw, A., Stout, M. Transformation of aragonite to calcite in a marine gasteropod 9—62485
Wardlaw, R.S. *see* Bates, C.A. 9—82863
Wardle, J.F.C. *see* Potash, R.I. 9—75293
Wardzynski, W., Lukasiewicz, T., Zmija, J. Reversible photochromic effects in doped single crystals of bismuth germanium ($Bi_{12}GeO_{20}$) and bismuth silicon oxide ($Bi_{12}SiO_{20}$) 9—91471
Ware, B.R. *see* Weissman, M.B. 9—70508
Ware, W.R., O'Connor, D.V. Fluoresence lifetimes of saturated hydrocarbons in the vapour phase 9—50064
Ware, W.R. *see* Andre, J.C. 9—72642
Warenghem, M., Billard, J. Mutual orientation of nematic and smectic B mesophases 9—55660
Waret, M. *see* Sizun, H. 9—84346
Warfield, G. *see* Malik, M.A.S. 9—57371
Warke, C.S. *see* Biswas, A.C. 9—58630
Warke, C.S. *see* Gunye, M.R. 9—89225
Warkusz, F. Thermoelectric power of thin metal films 9—78210
Warkusz, F. *see* Stolecki, B. 9—65560
Warlaumont, J., Brown, J.C., Buhrman, R.A. Response times and low-voltage behavior of SNS microbridges 9—65602
Warlaumont, J.M., Brown, J.C., Foxe, T., Buhrman, R.A. Microwave-enhanced proximity effect in superconductor-normal-metal-superconductor microjunctions 9—82720
Warlimont, H. *see* Rusovic, N. 9—83253
Warmack, R.J. *see* Stockdale, J.A.D. 9—68299
Warman, J. *see* Pena, J.H. 9—88663
Warman, J. *see* Roth, M. 9—92805
Warmerdam-De Leeuw, J.M. *see* van Apeldoorn, G.W. 9—89177
Warn-Varnas, A.C. *see* Beardsley, R.C. 9—77217
Warne, L., Evans, D., Elachi, C. Wave tilt sounding of a linearly inhomogeneous layered halfspace 9—68353
Warneck, P., Klippel, W., Moortgat, G.K. Formaldehyde in the tropospheric clean air 9—53405
Warneck, P. *see* Moortgat, G.K. 9—66311
Warner, B. Apsidal motion and evolution of cataclysmic variables 9—62834
Warner, B. Sir John Herschel's description of his 20-feet reflector 9—88788
Warner, C. Photogrammetry from aircraft nose camera movies 9—53547
Warner, D. *see* Boltezar, E. 9—67972
Warner, D.D. *see* Scott, S.M. 9—93499
Warner, F.P. *see* Stein, R.S. 9—69026
Warner, J.L., Bickel, C.E. Lunar plutonic rocks: a suite of materials depleted in trace siderophile elements 9—62766
Warner, M. The long-time fluctuations of a Brownian sphere 9—85077
Warner, M. *see* Edwards, S.F. 9—99298
Warner, M.R., Orr, D. Time of flight calculations for high latitude geomagnetic pulsations 9—62688
Warner, R.D., Nehru, C.E., Keh, K. Opaque oxide mineral crystallization in lunar high-titanium mare basalts 9—66933
Warner, R.E., Martin, D.C., Ball, G.C., Davies, W.G., Ferguson, A.J., Horn, D. Double spectator poles and quasi-free inelastic scattering in the $^6Li+^6Li \rightarrow 2\alpha+2d$ reaction 9—93646
Warner, R.M., Jr. Neutrality and equilibrium in semiconductors 9—65544
Warner, S.B. Ultrahigh draw ratios in polyethylene: molecular weight effects 9—74211
Warner, S.B., Uhlmann, D.R., Peebles, L.H., Jr. Oxidative stabilization of acrylic fibres. III. Morphology of polyacrylonitrile 9—77531
Warnock, R.L. A program for construction of a Regge theory with crossing symmetry and unitarity 9—63458
Waroquier, M., Heyde, K., Van Isacker, P., Vincx, H. The extended Skyrme force versus realistic interactions: application on ^{42}Ca 9—54395
Waroquier, M., Sau, J., Heyde, K., Van Isacker, P., Vincx, H. Extended-Skyrme-force calculation: theoretical description and application to Ca and Sn isotopes 9—63601
Waroquier, M. *see* Lien, J.R. 9—85353
Warren, A.W. *see* Edsinger, R.W. 9—52872
Warren, D.C. *see* Glajch, J.L. 9—74433
Warren, F.W. Restrictions upon instabilities of plane and helical gas flows 9—98745
Warren, G. *see* Stenbacka, R. 9—63507
Warren, J.B. *see* Kiefl, R.F. 9—56679
Warren, N.P. East Anglian meteorite of 1646 9—96978
Warren, P.R. *see* Martin, W.L. 9—71055
Warren, R., Andersson, C.H., Larsson, L.O. Fibre/matrix interactions in a tungsten alloy wire-reinforced stainless steel composite 9—91607
Warren, R.P. An experimental study of gas-cooled current leads for superconducting magnets 9—67995
Warren, S.W., Gates, O., Brown, C.E., Chute, R.N., Porter, M.W. Spontaneous and radiation-induced benign tumors in parabiont rats 9—88133
Warren, W.W., Jr. *see* Dupree, R. 9—95660
Warren, W.W., Jr. *see* Shaham, M. 9—56622
Warren-Smith, R.F., Scarrot, S.M., Murdin, P., Bingham, R.G. Evidence for a circumstellar disk and asymmetric explosion in eta Carinae 9—53893
Warren-Smith, R.F., Scarrott, S.M., Murdin, P., Bingham, R.G. Optical polarization map of Eta Carinae and the nature of its outburst 9—67030
Warrick, A. *see* Park, G.C. 9—84013
Warrimont, J.P.L.M.N.de *see* de Warrimont, J.P.L.M.N.
Warrington, D.H., Pond, R.C. Comments on 'The core structures of misfit dislocations in grain boundaries' 9—90673
Warrington, D.M. *see* Baird, P.E.G. 9—50154
Warshaw, D.B. *see* Salomon, J.A. 9—57806
Warszawski, J. *see* Alster, J. 9—59093
Wartak, M.S. Strong-coupling orbital in superfluid ^{3}He-A 9—51346
Wartak, M.S. Coupling of zero sound and spin waves in the superfluid ^{3}He near the A phase—normal liquid phase transition 9—69309
Warwick, D.N. *see* Schultz, A.B. 9—96596
Warwick, J.W., Hayenga, C.O., Brosnahan, J.W. Interferometric directions of lightning sources at 34 MHz 9—79939
Warwick, J.W. *see* Kaiser, M.L. 9—84732
Warwick, R.S. Extragalactic X-ray sources and the diffuse X-ray background 9—58447
Warwick, R.S. *see* Fabian, A.C. 9—75299
Warwick, R.S. *see* King, A.R. 9—67033
Warwick, R.S. *see* Pye, J.P. 9—67119
Was, G.S., Lidsky, L.M. Cyclic purging for low-temperature solid fusion reactor blanket operation 9—59256
Was, G.S., Pelloux, R.M. The effect of shot peening on the fatigue behaviour of alloy 7075-T6 9—79102
Wasa, K., Yamada, M., Hamaguchi, C. Brillouin scattering in ZnSe 9—51974
Wasada, N. *see* Hashizume, A. 9—50137
Wasan, D.T., McNamara, J.J., Shah, S.M., Sampath, K., Aderangi, N. The role of coalescence phenomena and interfacial rheological properties in enhanced oil recovery: an overview 9—61840
Wasan, V.P. Sag method for the determination of coefficient of linear thermal expansion of carbon fibres 9—77774
Wasastjerna, F. An application of the transmission probability method to the calculation of neutron flux distributions in hexagonal geometry 9—93680
Waschkowski, W. *see* Koester, L. 9—93628
Waschmann, M. A new technique for manufacturing integrated leaflet valves for artificial blood pumps 9—84002
Waseda, Y., Aust, K.T., Masumoto, T. Structural changes in amorphous $Pd_{77}Si_{17}Cu_6$ due to cold rolling and low temperature annealing 9—66072
Waseda, Y., Egami, T. Effect of low-temperature annealing and deformation on the structure of metallic glasses by X-ray diffraction 9—56995
Waseda, Y., Masumoto, T. Effect of temperature and deformation on the structure of amorphous metals 9—51005
Waseda, Y. *see* Chen, H.S. 9—51004
Wasfi, A.K., Mathur, G.P., St. Pierre, C.C., Gnyp, A.W. Evaluation of catalysts for vapor phase oxidation of odorous organic compounds 9—70482
Washburn, H.A., Galli, G. Ion implant profiles in garnet films 9—78477
Washburn, H.A., Sites, J.R., Wieder, H.H. Electronic profile of n-InAs on semi-insulating GaAs 9—95525
Washburn, J. *see* Lampert, C.M. 9—56875
Washburn, S. *see* Schweizer, R. 9—60600
Washington, W.M., Chervin, R.M. Regional climatic effects of large-scale thermal pollution: simulation studies with the NCAR general circulation model 9—53478
Washington, W.M. *see* Schneider, S.H. 9—88467
Washino, M. *see* Suzuki, N. 9—79423
Washio, K. *see* Kishida, S. 9—50311
Washio, K. *see* Shimada, S. 9—94331
Washiyama, M., Sato, K., Aoki, M. Solution growth of ZnS, ZnSe, CdS and their mixed compounds using tellurium as a solvent 9—65993
Washizu, T. Artificial hearts 9—84017
Wasiak, A. *see* Zuk, W. 9—82251
Wasilewska, B. *see* Wolkenberg, A. 9—65106, 9—87508
Wasilewska, W. *see* Uhniat, M. 9—50175
Wasilewski, J. Ab initio SCF study of some low-lying electronic states of the H_2O molecule, NH_2 radical and their mono-positive ions 9—49946
Wasilewski, P.J. Lodestone-explanation for magnetic properties and characterization of the source of magnetic hardening 9—82828
Wasilewski, P.J. Shock induced magnetic effects in fine particle iron dispersions 9—82832
Wasilewski, P.J., Thomas, H.H., Mayhew, M.A. The Moho as a magnetic boundary 9—96748
Wasilewski, P.J. *see* Lienert, B.R. 9—79814
Wasim, S., Nava, R. Thermal conductivity of γ-irradiated α-quartz below 10K 9—51320
Wasinger, B. A simple digital capacitance meter 9—67339
Waskiewicz, J.D., Lewis, C.H. Hypersonic viscous flows over sphere cones at high angles of attack 9—98746
Waskowska, A., Olejnik, S., Lukaszewicz, K., Ciechanowicz-Rutkowska, M. The crystal structure of triglycine fluoberylate in ferroelectric and paraelectric phase 9—86776
Wasmeier, M. Voice synthesis and voice recognition 9—50530
Wasnich, R., Glober, G., Hayashi, T., Vicher, T., Yeh, F. Simple computer quantitation of spleen-to-liver ratios in the diagnosis of hepatocellular disease 9—83909
Wasowski, J.J. Examination of the deflection of plates by moire method 9—64607
Wassam, W.A., Jr., Lim, E.C. A comparison of radiationless transitions involving single minimum and double minima potential energy surfaces 9—50067
Wassef, A.M. The concept of goodness of geodetic observations restated in view of the requirements of studies of recent crustal movements 9—57840
Wassef, W.A. *see* Bassini, A. 9—80968

Wasser, B., Donahue, T.M. Atomic oxygen between 80 and 120 km: evidence for a latitudinal variation in vertical transport near the mesopause 9−70903

Wasserman, J. *see* Blomgren, H. 9−88125

Wasserman, L.H. *see* Bowell, E. 9−62785

Wasserman, L.H. *see* Mullikin, T.L. 9−84728

Wassermann, E.F. *see* Benoit, A. 9−61171

Wassermann, E.F. *see* Dumpich, G. 9−99451

Wassermann, G., Bergmann, H.W., Frommeyer, G. Deformation textures in two-phase systems 9−83219

Wassermann, G. *see* Bergmann, H.W. 9−91697

Wasserrab, Th. On the radiative recombination probability B in intrinsic silicon 9−61441

Wasson, J.T. *see* Grossman, J.N. 9−101121

Wasson, W. Problems in optical measurements with Fourier transform spectrometers 9−85187

Wastell, D.G. The application of low-pass linear filters to evoked potential data: filtering without phase distortion 9−84032

Wastyn, P., Genz, H., Mutterer, M., Richter, A., Schrieder, G., Van Staden, J.C., Theobald, J.P. Elastic scattering of ^{40}Ar on ^{40}Ca at E_{lab}=191, 236 and 272 MeV 9−59084

Wasylak, J., Cecotka, R., Chalilew, W., Wahramiejew, W. The viscosity and the energy parameters of rheological properties of the glasses in the systems $Ba(PO_3)_2$-MgF_2-0.4AlF_3.0.6CaF_2 9−73331

Wasylishen, R.E., Graham, M.R. High-resolution carbon-13 nuclear magnetic resonance spectra of solid D-camphor 9−56621

Wasylishen, R.E. *see* Pettitt, B.A. 9−78549

Waszczak, J.V. *see* DiSalvo, F.J. 9−73869

Waszczak, J.V. *see* Gyorgy, E.M. 9−78345

Wataghin, A. *see* La Camera, M. 9−97603

Watanabe, A. *see* Takahashi, M. 9−52398

Watanabe, D. Long period antiphase structures in ordered alloys 9−95027

Watanabe, D. *see* Miida, R. 9−94958

Watanabe, D. *see* Terasaki, O. 9−94959

Watanabe, F. *see* Konishi, S. 9−51826

Watanabe, H., Iizuka, K. A new precision thermostat bath of water circulation type 9−49221

Watanabe, H., Kao, K.C. Structure and properties of $Se_{1-x}Te_x$ films 9−99079

Watanabe, H., Nakamura, K., Shimizu, H. Energy trapping of width-extensional vibrations caused by a contribution of complex branches of dispersion curves 9−51911

Watanabe, H., Okamoto, Y., Iizuka, K. A new treatment of suspension wire for hydrostatic weighing 9−82006

Watanabe, H. *see* Hatano, H. 9−52003

Watanabe, H. *see* Ikuno, H. 9−76873

Watanabe, H. *see* Kamejima, T. 9−82213

Watanabe, H. *see* Kazama, N.S. 9−95588

Watanabe, H. *see* Morita, A. 9−69811, 9−76361

Watanabe, H. *see* Sasaki, K. 9−56630

Watanabe, H. *see* Watanabe, S. 9−55284

Watanabe, H. *see* Yamaguchi, Y. 9−55698

Watanabe, H. *see* Yamashita, O. 9−56501, 9−91225

Watanabe, H. *see* Yoshimori, M. 9−80353

Watanabe, I., Kawauchi, M., Shimizu, T. Magnetic and electrical properties in amorphous Ge-Se-Fe, Ge-Fe and Se-Fe films 9−51695

Watanabe, I. *see* Koyama, H. 9−81841

Watanabe, J. Standardization of a primary battery 9−83580

Watanabe, J., Imai, K., Uematsu, I. Light scattering studies of poly(γ-benzyl L-glutamate) solutions and films 9−66374

Watanabe, K. Effects of Abelian fields on the deep inelastic electroproduction structure functions 9−71754

Watanabe, K., Hashiba, M., Hirohata, Y., Nishino, M., Yamashina, T. Oxide layers on GaAs prepared by thermal, anodic and plasma oxidation: in-depth profiles and annealing effects 9−61768

Watanabe, K., Miyao, M., Takemoto, I., Hashimoto, N. Ellipsometric study of silicon implanted with boron ions in low doses 9−65105

Watanabe, K. *see* Kato, H. 9−72914

Watanabe, K. *see* Masumoto, H. 9−61638

Watanabe, K. *see* Mohri, M. 9−74039

Watanabe, K. *see* Noto, K. 9−95552

Watanabe, M., Bando, Y., Tsutsumi, M. A new member of sodium titanates $Na_2Ti_9O_{19}$ 9−77573

Watanabe, M. *see* Bando, Y. 9−73137

Watanabe, M. *see* Ishida, S. 9−85277

Watanabe, M. *see* Niwa, M. 9−79319

Watanabe, M. *see* Watanabe, T. 9−90392

Watanabe, N., Komiya, K. On the discharge coefficient of critical venturis 9−68871

Watanabe, N. *see* Kasahara, J. 9−55767

Watanabe, N. *see* Takei, K. 9−87238

Watanabe, N. *see* Tasaka, A. 9−96282

Watanabe, O. *see* Shiota, I. 9−65261

Watanabe, R. *see* Hiraoka, Y. 9−87685

Watanabe, R. *see* Iwao, N. 9−61682

Watanabe, R. *see* Kainuma, T. 9−52356

Watanabe, R. *see* Shiraishi, H. 9−52452

Watanabe, S. Effect of long-wavelength fluctuations on ion mobility in fluid 9−77786

Watanabe, S., Inomoto, K. Effect of reverberation on speech intelligibility 9−90092

Watanabe, S., Miyakawa, M., Yajima, N. Method of conservation laws for solving nonlinear Schrodinger equation 9−63066

Watanabe, S., Sato, T., Kashiwagi, H. Amplification characteristics of an efficient discharge-pumped KrF laser 9−59679

Watanabe, S., Watanabe, H., Irie, H. Toshiba Audio Center 9−55284

Watanabe, S. *see* Endoh, A. 9−98337

Watanabe, S. *see* Fujita, T. 9−89793

Watanabe, S. *see* Hirao, Y. 9−72117

Watanabe, S. *see* Hisaki, T. 9−72588

Watanabe, S. *see* Kondo, M. 9−72240

Watanabe, S. *see* Ondoh, T. 9−80078

Watanabe, S. *see* Tsu, Y. 9−60438

Watanabe, T. Effect of strain rate on yield behavior of cold rolled steel sheets 9−96084

Watanabe, T., Izumi, K. Growth and perfection of tetraoxane crystals 9−61510

Watanabe, T., Onaka, T., Yoshida, H., Tanaka, W., Kodaira, K. Infrared spectral observation of stars. III 9−80307

Watanabe, T., Sanuki, H., Watanabe, M. New treatment of eigenmode analysis for an inhomogeneous Vlasov plasma 9−90392

Watanabe, T. *see* Fukui, T. 9−54161

Watanabe, T. *see* Itoh, C. 9−58941

Watanabe, T. *see* Kiyono, S. 9−99986

Watanabe, T. *see* Kojima, M. 9−101064

Watanabe, T. *see* Mori, C. 9−81129

Watanabe, T. *see* Numasawa, Y. 9−87241

Watanabe, T. *see* Oka, T. 9−68305

Watanabe, T. *see* Ryufuku, Y. 9−72415

Watanabe, T. *see* Shiiki, K. 9−99729

Watanabe, T. *see* Takada, T. 9−51364

Watanabe, T. *see* Uyeda, S. 9−66653

Watanabe, Y., Ito, T., Ito, K., Oka, M., Saito, S. ESR studies on thermal hysteresis of MnSe 9−99758

Watanabe, Y. *see* Beretvas, A. 9−89179

Watanabe, Y. *see* Fujita, T. 9−89793

Watanabe, Y. *see* Iwasaki, H. 9−95028

Watanabe, Y. *see* Takata, K. 9−83972

Watanabe, Y. *see* Takigawa, Y. 9−69540

Watanabe, Y. *see* Tambo, N. 9−100454, 9−100456

Watanabe, Y. *see* Yano, S. 9−91350

Watanabe, Z. *see* Akashi, M. 9−63562

Watanuki, G. *see* Miyanishi, Y. 9−54401

Watari, F. Periodic regular texture of oxides derived from oxyhydroxide minerals by dehydration reaction 9−99328

Watari, F., Van Landuyt, J., Delavignette, P., Amelinckx, S. Electron microscopic study of dehydration transformations. I. Twin formation and mosaic structure in hematite derived from geothite 9−86802

Watari, H. *see* Nishikawa, H. 9−79475

Watari, W. *see* Kamo, H. 9−93391

Watazu, H. *see* Tomita, Y. 9−88026

Watelle, G. *see* Bertrand, G. 9−79285

Watelle, G. *see* Dumas, P. 9−57219

Watelle, G. *see* Mutin, J.C. 9−55731, 9−60299

Watenpaugh, K.D. *see* Hanson, J.C. 9−73069

Waterbury, G.R. *see* Barnes, B.K. 9−49688

Waterhouse, R.B., Saunders, D.A. The effect of shot-peening on the fretting fatigue behaviour of an austenitic stainless steel and a mild steel 9−87733

Waterman, F.M., Kuchnir, F.T., Skaggs, L.S., Kouzes, R.T., Moore, W.H. Energy dependence of the neutron sensitivity of C-CO_2, Mg-Ar and TE-TE ionisation chambers 9−81134

Waterman, M.S. *see* Beyer, W.A. 9−62165

Waterman, P.C. Matrix methods in potential theory and electromagnetic scattering 9−94133

Watermann, F.M., Kuchnir, F.T., Skaggs, L.S., Kouzes, R.T., Moore, W.H. Neutron spectra 9−59056

Waters, J.P. Gaging by remote image tracking 9−86264

Waters, R.T., Allibone, T.E., Dring, D., Allen, N.L. The structure of the impulse corona in a rod/plane gap. II. The negative corona: propagation and streamer/anode interaction 9−86636

Waterstrat, R.M., Haenssler, F., Muller, J. Nb-Si A15 compounds produced by liquid quenching 9−95538

Waterstrat, R.M. *see* Willis, J.O. 9−78245

Wathen, P., Durand, R.E., Kademian, M.T. Low dose-rate irradiation of multicell spheroids 9−62304

Wathey, J.C., Nass, M.M., Lester, H.A. Numerical reconstruction of the quantal event at nicotinic synapses 9−83748

Watkin, D.J. *see* Carruthers, J.R. 9−99021

Watkins, A.R., Selinger, B.K. Time-resolved spectroscopy of pyrene excimer formation in non-ionic surfactant micelles 9−79298

Watkins, B. *see* Wilshire, B. 9−70120

Watkins, D.M. *see* Carneiro, K. 9−95393

Watkins, G.D. *see* Troxell, J.R. 9−82201

Watkins, J.S. *see* Sinton, J.B. 9−84133

Watkins, L.M. *see* Yan, G. 9−76105

Watkins, L.S. Laser beam refraction traversely through a graded-index preform to determine refractive index ratio and gradient profile 9−81519

Watkins, N.D. *see* Harrison, C.G.A. 9−57852

Watkins, P.M. *see* Corden, M.J. 9−75768, 9−75796

Watkins, R.S.Vaughan *see* Vaughan Watkins, R.S.

Watkins, W.R., White, K.O., Bower, L.R., Sojka, B.Z. Pressure dependence of the water vapor continuum absorption in the 3.5-4.0-μm region 9−63992

Watkins, W.R., White, K.O., Sojka, B.Z., Bower, L.R., Spellicy, R.L. Water vapor absorption coefficients at HF laser wavelengths (2.64-2.93 μm) 9−80010

Watmough, D.J. *see* Martin, C.J. 9−62292

Watson, A.B. Probability summation over time [visual detection] 9−74664

Watson, A.J. *see* Hughes, B.P. 9−70128

Watson, A.P., Cormack, D.E., Charles, M.E. A preliminary study of interfacial areas in vertical cocurrent, two-phase upflow 9−86528

Watson, A.P. *see* Travis, C.C. 9−85824

Watson, C.A. Ultrasonic flow meters 9−68893

Watson, D.J. *see* Brown, R.G.W. 9−50827

Watson, E.B. Calcium diffusion in a simple silicate melt to 30 kbar 9−90809

Watson, E.E. *see* Coffey, J.L. 9−83941

Watson, F.G. *see* Clube, S.V.M. 9−67068

Watson, J., Downes, E.M. Clinical aspects of the stimulation of bone healing using electrical phenomena 9−83879

Watson, J.H.L. *see* Diop, S. 9−79303

Watson, J.K. *see* Huijer, E. 9−78439

Watson, J.K.G. Rotational dependence of the dipole moment of CH_3D 9−81298

Watson, J.K.G. *see* Aliev, M.R. 9−63977

Watson, J.M., Bogaty, J.M., Burke, R.J., Martin, R.L., Mazarakis, M.G., Menefee, K.K., Parker, E.F., Stockley, R.L. A high intensity 1.5 megavolt heavy ion preaccelerator for ion beam fusion 9−67970

Watson, J.M. *see* Mazarakis, M.G. 9−72133

Watson, J.M. *see* Moretti, A. 9−76158

Watson, J.M. *see* Polychronakos, V.A. 9−49539

Watson, J.S. *see* Clinton, S.D. 9−90784

Watson, J.V., Plant, J. Regional geochemistry of uranium as a guide to deposit formation [in Scotland] 9−84269

Watson, J.W., Wilson, F.J., Miller, C.A., Wells, D.O. The neutron time-of-flight facility at the Manitoba cyclotron laboratory 9−81114

Watson, J.W. *see* Madey, R. 9−76216

Watson, K.J. *see* Tachez, M. 9−73138

Watson, M.G. Galactic X-ray sources 9−58445

Watson, N.A. Uniqueness and representation theorems for the inhomogeneous heat equation 9−71383

Watson, N.A. Positive thermic majorization of temperatures on infinite strips 9−76936

Watson, P.R. *see* Hengrasmee, S. 9−99426

Watson, R.D. *see* Stamford, P.A. 9−53807

Watson, R.E. *see* Sham, T.K. 9−60695

Watson, R.H. *see* Archer, L.G. 9−49686

Watson, R.L., Sonobe, B.I., Demarest, J.A., Langenberg, A. Systematics of the average L-shell ionization probability in K-shell ionizing collisions by light ions 9−72408

Watson, R.T. *see* Philen, D.L. 9−53492

Watson, S.B. *see* Ford, M.R. 9−70640

Watson, W.D., Christensen, R.B. Quantal calculations for charge transfer in collisions of C^{+3} and N^{+3} with H atoms 9−94079

Watson-Yang, T.J. *see* Freeman, A.J. 9−90953

Watt, A. *see* Singhal, R.P. 9−75900

Watt, C. *see* Carr, K.E. 9−62300

Watt, D.G.D. *see* Chan, C.W.Y. 9−96544

Watt, F. *see* Fifield, L.K. 9−67701

Watt, F. *see* Roaf, D. 9−89238

Watt, R.G., Pietrzyk, Z.A. Thomson scattering from an anisotropic plasma 9−60112

Watt, R.G. *see* Brooks, R.D. 9−60160

Wattenberg, A. *see* Atiya, M.S. 9−80831

Watterich, A., Voszka, R. Effect of X-irradiation on divalent metal aggregates in NaCl crystals at RT 9−82263

Watton, A., Koster, E., Sandhu, H.S., Petch, H.E. The ^1H-^{19}F coupled nuclear magnetic relaxation in $(NH_4)_2TiF_6$ 9−73839

Watton, E.C. *see* Failes, R.L. 9−81302

Watts, A.B. *see* Bondine, J.H. 9−57903

Watts, B.R., Chapman, I.A. Phonons and the de Haas-van Alphen effect 9−65360

Watts, B.R., Mayers, J. Stress induced changes in the Fermi surface of magnesium 9−60683

Watts, B.R., Mayers, J. Stress-induced changes in the Fermi surface of zinc 9−82516

Watts, B.R., Sundstrom, L.J. An analytic method for calculating stress induced changes in Fermi surfaces. II 9−60684

Watts, D.J., Thomas, R.M. A comparison of spectral reduction techniques in X-ray astronomy 9−96924

Watts, D.R., Olson, D.B. Gulf Stream ring coalescence with the Gulf Stream off Cape Hatteras 9−79872

Watts, D.R., Van der Voo, R. Paleomagnetic results from the Ordovician Moccasin, Bays, and Chapman Ridge Formations of the Valley and Ridge province, eastern Tennessee 9—57854
Watts, D.R. *see* Shaw, P.T. 9—74963
Watts, H.L. *see* Uckan, N.A. 9—76120
Watts, J.A. *see* Boell, G.R. 9—66046
Watts, J.R. Comparison of calculated and mesured radiation doses from chronic aqueous releases 9—54605
Watts, L.A. *see* Pellicori, S.F. 9—94306
Watts, M. *see* Meyer, C.E. 9—54559
Watts, M.P., Heylen, A.E.D. Positive-ion drift velocities and Townsend primary ionisation coefficients in ethane 9—55592
Watts, T.L. *see* Brick, D. 9—58980
Watts-Tobin, R.J., Kramer, L. Theory of the phase-slip state in superconducting filaments 9—56371
Watts-Tobin, R.J. *see* Krahenbuhl, Y. 9—60993, 9—73637
Wauch, R.E. *see* Lloyd, J.R. 9—62198
Wauer, J. Eigenvalue problems of hybrid oscillation systems with elastically coupled rigid bodies 9—90176
Waugh, J. A ray trace program for the TI-59 calculator with PC100A printer 9—89985
Waugh, J.S. *see* Matti Maricq, M. 9—65759
Waugh, R., Evans, E.A. Thermoelasticity of red blood cell membrane 9—57684
Waugh, W. *see* Johnson, F. 9—83831
Wautelet, M., Delrue, J.P., Laude, L.D. Double beam photoemission of d band metals: Rh, Pd, Ir, Pt 9—83098
Wautelet, M., Laude, L.D. Directional effects in double-beam photoemission of (10$\bar{1}$0) and (0001) Te 9—74059
Wauwe, J.Van *see* Van Wauwe, J.
Wavre, P.D. *see* Soundalgekar, V.M. 9—55428
Wawra, E. *see* Weniger, P. 9—100577
Wawra, H. Effect of annealing and deformation on elasticity in the presence of texture and without it 9—52274
Wawra, H.H. On the role of Gruneisen's elastic parameters in the theory of polycrystal elasticity. A critical assessment 9—95070
Waxman, A.D. *see* Siemsen, J.K. 9—57771
Waxman, M., Davis, H. Density of ultra-pure air at 298.15K for mass transfer buoyancy corrections 9—88917
Way, K. Preparing nuclear data tables 9—75812
Way, S. A proposed 40 MWe MHD pilot plant 9—52945
Wayman, C.M. Martensitic transformations: electron microscopy and diffraction studies 9—68989
Wayman, C.M. *see* Bowles, J.S. 9—56976
Wayman, C.M. *see* Kubo, H. 9—78930
Wayman, C.M. *see* Saburi, T. 9—66102
Wayman, C.M. *see* Salamon, M.B. 9—96025
Wayman, C.M. *see* Umemoto, M. 9—61588
Wayman, M. *see* Dumoulin, Ph. 9—91788
Waynant, R.W. *see* Eden, J.G. 9—54877, 9—98344
Waynant, R.W. *see* Wexler, B.L. 9—81443
Wayne, F.D. *see* Colbourn, E.A. 9—76364
Wayne, F.D. *see* Ramsay, D.A. 9—64013
Wayne, M.A. *see* Diack, A.W. 9—88147
Wayner, P.C., Jr. Effect of interfacial phenomena in the interline region on the rewetting of a hot spot 9—86321
Wayner, P.C., Jr. *see* Renk, F.J. 9—77868, 9—82416
Waysand, G. *see* Behar, J. 9—63330
Wazenblast, G. *see* Stoll, H. 9—97980
Wazzan, A.R., Gazley, C., Jr., Smith, A.M.O. Tollmien-Schlichting waves and transition. Heated and adiabatic wedge flows with application to bodies of revolution 9—81845
Wazzan, A.R. *see* Baldewicz, W.L. 9—67866
Wazzan, A.R. *see* Ting, Y.D. 9—93715
Wdowczyk, J., Gawin, J., Grochalska, B., Dzikowski, T., Pachala, S. The muon-electron ratio and particle mass for primary cosmic rays of energy $10^{15}+10^{16}$ eV 9—80150
Wdowczyk, J., Kempa, J., Piotrowska, A., Levina, T.G., Fomin, Yu.A., Khristiansen, G.B. High-energy γ-quantum and hadron families 9—80158
Weaire, D., Hodges, C.H. Asymptotic behaviour of the recursion method for disordered systems 9—65413
Weaire, D., Kramer, B. Numerical methods in the study of the Anderson transition 9—60767
Weaire, D., Wooten, F. Interpretation of structural anomalies in hydrogenated amorphous silicon 9—90556
Weakliem, H.A., Redfield, D. Temperature dependence of the optical properties of silicon 9—78699
Weakliem, H.A. *see* Sabisky, E.S. 9—54105
Weale, R.A. Physics and ophthalmology 9—53084
Weare, T.J. Errors arising from irregular boundaries in ADI solutions of the shallow-water equations 9—64765
Weatherly, G.C. *see* Ho, E. 9—61589
Weatherly, G.C. *see* Szivek, J.A. 9—79685
Weatherwax, R.K., Jaske, M.R. Forecasting natural gas demand in California 9—79367
Weaver, B.L., Tarney, J. Thermal aspects of komatiite generation and greenstone belt models 9—70762
Weaver, C.S., Hill, D.P. Earthquake swarms and local crustal spreading along major strike-slip faults in California 9—66645
Weaver, C.S. *see* Pitt, A.M. 9—92494
Weaver, C.W. *see* French, I.E. 9—57109
Weaver, E.G. *see* Blit, S. 9—50343
Weaver, G.Q., Lucek, J.W. Optimization of hot-pressed Si_3N_4-Y_2O_3 materials 9—70134
Weaver, H.T., Nasby, R.D. Minority carrier lifetimes in silicon solar cells determined from spectral and transient measurements 9—100533
Weaver, J.C., Abrams, J.H. Use of variable p_H interface to a mass spectrometer for the measurement of dissolved volatile compounds 9—61930
Weaver, J.H., Colavita, E., Lynch, D.W., Rosei, R. Low-energy interband absorption in BCC Fe and HCP Co 9—73930
Weaver, J.H., Rosei, R., Peterson, D.T. Electronic structure of metal hydrides. I. Optical studies of ScH_2, YH_2, and LuH_2 9—78005
Weaver, J.H. *see* Margaritondo, G. 9—67395
Weaver, J.N., Wilson, P.B., Styles, J.B. Bench measurements of the loss impedance for PEP beam line components 9—68055
Weaver, J.N. *see* Schwarz, H.D. 9—68050
Weaver, K.A., Eenmaa, J., Bichsel, H., Wootton, P. Dosimetric properties of neutrons from 21-MeV deuteron bombardment of a deuterium gas target 9—70646
Weaver, K.E. *see* Goodenough, D.J. 9—53225
Weaver, O.L. *see* Hall, J.M. 9—61465
Weaver, T.A., Wood, L. Necessary conditions for the initiation and propagation of nuclear-detonation waves in plane atmospheres 9—93834
Weaver, W.L., III., Agrawal, A.K., Meyer, J.E. A few-pressure model for transient two-phase flows in networks 9—59136
Weaver, W.R. *see* Meador, W.E. 9—63170
Weaving, A.H. Development of the pressurized water reactor 9—93811
Webb, C. *see* Hughes, H.P. 9—56912
Webb, D.C. The analysis of non stationary data using complex demodulation 9—70922
Webb, D.C. *see* Beamish, D. 9—84588
Webb, D.C. *see* Lanzerotti, L.J. 9—75050, 9—101010
Webb, D.V. *see* Peterson, G.A. 9—49891
Webb, G.A. *see* Jallai-Heravi, M. 9—93926
Webb, G.A. *see* Jallali-Heravi, M. 9—76449
Webb, G.A.M. *see* Taylor, F.E. 9—62373
Webb, G.W., Fisk, Z., Johnston, D.C. Magnetic susceptibility of Nb_3Sb 9—99675
Webb, G.W. *see* Arko, A.J. 9—56116, 9—65369
Webb, H. *see* Stark, H. 9—89858
Webb, H.W. Uncertainties in K-effective calculations 9—63771
Webb, J. *see* Broomfield, A.M. 9—97872
Webb, J.B., Williams, D.F., Noolandi, J. Observation of dispersive transport in single crystal anthracene 9—99564
Webb, J.D., Bernstein, E.R. A ligand field theory analysis of the spectra of the t_{2g}^3 levels of IrF_6 9—72248
Webb, J.K. *see* Park, W.M. 9—53213
Webb, J.P. *see* Orme, G.R. 9—84222
Webb, M.P. Nuclear data sheets for A=206 9—71779
Webb, R. *see* Carter, G. 9—51169, 9—52067
Webb, R. *see* Erhan, S. 9—49550, 9—89206
Webb, R. *see* Lockman, W. 9—89205
Webb, R.A. Measurements of the relaxation of the longitudinal magnetization in superfluid ^{3}He 9—51355
Webb, R.A. 'NMR detection with the SQUID—application to liquid ^{3}He' 9—67368
Webb, R.A., Crabtree, G.W., Vuillemin, J.J. Spin-glass-like behaviour in very dilute PdFe at very low temperatures 9—99708
Webb, S., Fox, R.A. The dose in water surrounding point isotropic gamma-ray emitters 9—62363
Webb, S.J. Factors affecting the induction of lambda prophages by millimeter microwaves 9—100663
Webb, S.W. Blowout panel considerations in subcompartment pressure analyses 9—67884
Webb, W.L. Mesoscale satellite system design 9—58224
Webber, B.F., Long, M.B., Chang, R.K. Two-dimensional average concentration measurements in a jet flow by Raman scattering 9—98827
Webber, B.R. Solution of a two-dimensional QCD model for baryons 9—75741
Webber, C. *see* Coates, G. 9—100655
Webber, D.M. *see* Michael, C. 9—63444
Webber, H.C. *see* Cullis, A.G. 9—68436, 9—73199
Webber, R.C., Hojvat, C. Measurement of the electron loss cross sections for negative hydrogen ions on carbon at 200 MeV 9—67976
Webber, R.C. *see* Hojvat, C. 9—67971, 9—68099
Webber, R.D., Walls, J.M. The structure and topographical modification of surfaces during depth profiling 9—78816
Webber, S.E. *see* Tedder, S.H. 9—52023
Webber, W.R. *see* Lezniak, J.A. 9—84596
Webber, W.R. *see* Lockwood, J.A. 9—53684
Webbink, R.F. *see* Gallagher, J.S. 9—53814
Webelow, L.G. NMR dynamic frequency shifts and the quadrupolar interaction 9—81216
Weber, A. *see* Thomas, P.M. 9—59468
Weber, B. *see* Alnot, M. 9—69344
Weber, C. *see* Delaunay, J. 9—74838
Weber, D. *see* Engelhardt, M. 9—77849
Weber, D.L., Green, D.M. Suppression effects in backward and forward masking 9—74690
Weber, D.P. Analytic prediction of thermal profile development and inversion for use in in-pile experimentation 9—93754
Weber, E., Alexander, H. EPR of dislocations in silicon 9—82871
Weber, E.J. *see* Eather, R.H. 9—96852
Weber, E.W. *see* Goldsmith, J.E.M. 9—80696
Weber, G. Ypsilons and jets at DORIS 9—93443
Weber, G., Ruhle, W. Effect of uniaxial stress on free and bismuth-bound excitons in InP 9—56854
Weber, G. *see* Fleck, C.M. 9—85627
Weber, G. *see* Peter, S. 9—79671
Weber, H. *see* Ifflander, R. 9—59736
Weber, H. *see* Joskowicz, G. 9—70681
Weber, H.G., Brucat, P.J., Demtroder, W., Zare, R.N. Measurement of NO_2 $^2B_2$ state g values by optical radio frequency double resonance 9—64022
Weber, H.G., Brucat, P.J., Zare, R.N. Evidence for the preparation of a nonstationary state from the optical double resonance spectrum of NO_2 9—59492
Weber, H.H. *see* Muller, G.O. 9—51980
Weber, H.J., Eisenberg, J.M. Proton distortion and asymmetries in the (p,π) reaction 9—85464
Weber, H.P. Signal propagation in glass fibres 9—89996
Weber, H.P. *see* Anliker, P. 9—94253
Weber, H.P. *see* Geneux, E. 9—81445
Weber, H.P. *see* Tschudi, T. 9—97357
Weber, H.W., Giesinger, N., Seidl, E. Flux pinning in niobium single crystals containing Nb_2N-precipitates 9—56472
Weber, J. Inclusion of fission product release in the numerical model of AVR-fuel cycle strategy and comparison with VAMPYR-measurements 9—74576
Weber, J., Sandmann, W., Dietsche, W., Kinder, H. Phonon pulse reflection from freshly cleaved interfaces between solids and liquid helium 9—60573
Weber, J., Sandmann, W., Dietsche, W., Kinder, H. Reply to "Comment on 'Absence of anomalous Kapitza conductance on freshly cleaved surfaces'" 9—73391
Weber, J. *see* Anisimov, V.I. 9—51481
Weber, J. *see* Ceasar, G.P. 9—93263
Weber, J. *see* Chatelain, P. 9—75992
Weber, J. *see* Chermette, H. 9—93923
Weber, J. *see* Gubanov, V.A. 9—60710
Weber, J. *see* Kaufmann, U. 9—73806
Weber, J. *see* Lacroix, R. 9—82563
Weber, J. *see* Sauer, R. 9—95837
Weber, J.-D. Remarks on the Prandtl-Reuss elastoplasticity equations 9—64526
Weber, J.H. The outlook on oil shale research 9—87952
Weber, J.H. *see* Liu, J.C.H. 9—73312
Weber, J.L., Roenhrenbeck, P.W. How imaging measures up at low levels 9—94350
Weber, J.L., Thompson, J.F. Techniques for time resolved spectroscopy with image detectors 9—75614
Weber, J.W. *see* Lawrence, L.A. 9—67859, 9—67865
Weber, J.W. *see* Melde, G.F. 9—67858
Weber, K. *see* Soljacic, I. 9—80664
Weber, L.W. *see* Aldred, A.T. 9—61075
Weber, M.J. *see* Brawer, S.A. 9—89912
Weber, M.J. *see* Cline, C.F. 9—95171
Weber, M.J. *see* Linford, G.J. 9—81436
Weber, P. *see* Hardt, H.D. 9—51090
Weber, P. *see* Honerkamp, J. 9—58873
Weber, R. Passive ground-based electro-optical detection of artificial Earth satellites 9—62717
Weber, R. *see* Breitling, W. 9—51779
Weber, R. *see* Macco, F. 9—51945
Weber, R.O. *see* Bronson, J.D. 9—93899
Weber, R.R. Solar radio spectrum extended to 10 km wavelength 9—92748
Weber, S.A. *see* Dowling, R.J. 9—97783
Weber, T. *see* Bass, R. 9—76317
Weber, T. *see* Ghirardi, G.C. 9—97241, 9—97242
Weber, T.A. Relaxation of a n-octane fluid 9—69002
Weber, T.A. *see* Snyder, L.C. 9—81240
Weber, T.A. *see* Stillinger, F.H. 9—73101
Weber, W., Pintschovius, L., Reichardt, W., Gompf, F., Roedhammer, P., Christensen, A.N. Phonon anomalies in VN and their electronic origin 9—99283
Weber, W. *see* Varma, C.M. 9—95102, 9—95107

Weber, W.H., Eagen, C.F. Energy transfer from an excited dye molecule to the surface plasmons of an adjacent metal 9—91119
Weber, W.H., Maker, P.D., Peters, C.W. Analysis of the P branch of the ν_6 fundamental of carbon suboxide 9—98092
Weber, W.H. *see* Eagen, C.F. 9—82439, 9—83045
Weber, W.J. Two-dimensional equilibrium of a neutral sheet in a gravitational field 9—66919
Weber, W.J., Armstrong, R.J., Trulsen, J. Ion-beam diagnostics by means of an electron-saturated plane Langmuir probe 9—94144
Weber, W.M. Anisotropic K absorption in gallium 9—52043
Webers, J., Westendorp, K. Introduction to (film) copying. X 9—49310
Webers, J., Westendorp, K. Introduction to film copying. XI 9—49311
Webster, B.L. *see* Milne, D.K. 9—58394
Webster, D.A., Blackstock, D.T. Amplitude density of a finite amplitude wave 9—68462
Webster, D.J. *see* Fraser, B.J. 9—70890
Webster, D.S., Cross, L.F., Lynch, L.J. High temperature ^{1}H NMR probe 9—49234
Webster, G.D.L. *see* Nefkens, B.M.K. 9—85323
Webster, G.L. *see* Starace, A.F. 9—72235
Webster, H.L. Gas flow modelling of variable area flowmeters (rotameters) 9—90353
Webster, I. *see* Skikne, M.I. 9—74825
Webster, J.D. The electrocadiograph in veterinary science 9—83969
Webster, J.G. *see* Engstrom, E.R., Jr. 9—92207
Webster, J.G. *see* Flax, S.W. 9—83724
Webster, J.G. *see* Mastenbrook, S.M., Jr. 9—53174
Webster, J.G. *see* Smith, R.G. 9—83984
Webster, J.M. Engineering display uses of holography 9—50264
Webster, J.M., Tozer, B.A., Davis, C.R. Holography of large volumes using holographic scatter plates 9—98323
Webster, K.A. *see* Guenault, A.M. 9—56452, 9—65596
Webster, M. *see* Fry, J.R. 9—54366
Webster, P.J., Streten, N.A. Late Quaternary ice age climates of tropical Australasia: interpretations and reconstructions 9—84470
Webster, P.J. *see* Rush, J.D. 9—69755, 9—69756
Webster, R.T., Estrada-Vazquez, H., Das, P. Study of the surface properties of thermally oxidized silicon using surface acoustic wave attenuation 9—87131
Webster, R.T. *see* Das, P. 9—56302
Webster, R.T. *see* Estrada-Vazquez, H. 9—99586
Webster, W.M. *see* Hansen, L.F. 9—93612
Wechsler, H., Mui, J., Fu, K.S. Biomedical image processing and understanding 9—100737
Wechsler, M.S., Foster, R.E. A saturable-trap analysis of solute segregation applied to oxygen trapping in neutron-irradiated vanadium 9—77645
Wechsler, S., Paramore, J. Accuracy of manufacturers' stated center thickness of hydrogel contact lenses 9—92425
Wechsung, R. *see* Nitsche, R. 9—57315
Weckenmann, A., Goch, G., Springborn, H.-D. Correction for bending of feelers in measurements with multicoordinate instruments 9—49197
Wecker, C., Daunois, A., Deiss, J.L., Fiorini, P., Merle, J.C. Piezo-optical effects on excitons in CuBr: importance of the K-linear terms 9—95802
Wecker, C., Gies, J.G., Merle, J.C., Fiorini, P. Photoelectric detection adaptation on a spectrograph 9—75623
Weckesser, W.D., Scharl, P., Krumme, H.J. CT image documentation—state of the art and outlook 9—62338
Weckner, H.-J. *see* Haberlandt, H. 9—78520
Weckstrom, K. *see* Stahlberg, B. 9—89943
Wecksung, M.J. *see* Williams, M.D. 9—66429
Wedd, M. *see* Brown, R.G.W. 9—50827
Weddigen, C. *see* Besset, D. 9—67593
Weddigen, C. *see* Haeberli, W. 9—76251
Weddigen, Ch. *see* Besset, D. 9—63503
Wedding, J.B., Peterka, J.A., Robertson, J.M., Akins, R.E. Spectral and probability-density nature of square-prism separation-reattachment wall pressures 9—98704
Wedell, R. *see* Kudella, F. 9—73234
Wedell, R. *see* Kumakhov, M.A. 9—60413, 9—73232
Wedemeyer, R. *see* Brandelik, R. 9—63491, 9—93441
Weden, G., Naoumidis, A., Nickel, H. The use of X-ray fluorescence and X-ray diffraction analysis for the investigation of oxidation reactions in alloys 9—57345
Weder, R. Instantons and renormalization 9—85221
Wee Kor Koo *see* Koo Wee Kor
Weedman, D.W. *see* Bohuski, T.J. 9—92884
Weekes, T.C. *see* Hartman, D.H. 9—66895
Weeks, B.S. *see* Morris, M.C. 9—60223
Weeks, J.L. A registry for the study of the health of radiation workers employed by Atomic Energy of Canada Limited 9—88201
Weeks, K. *see* Tamura, T. 9—89242
Weeks, M.C. *see* Yarnell, C.F. 9—70336
Weeks, R.A. *see* Friebele, E.J. 9—61222
Weeks, R.A. *see* Halliburton, L.E. 9—73810
Weeks, R.A. *see* Sonder, E. 9—70399
Weeks, S.J. *see* Haraguchi, H. 9—68260
Weeks, S.P., Rowe, J.E. Adatom bonding effects from coverage-dependent angle-resolved photoemission: Ag (001)+Cl 9—82436
Weeks, S.P. *see* Schluter, M. 9—77910
Weeks, W.F. *see* Onstott, R.G. 9—92544
Weenink, M.P.H. *see* Abels-van Maanen, A.E.P.M. 9—64864
Weerd, J.P.C.de *see* de Weerd, J.P.C.
Weers, J.C.M.van *see* van Weers, J.C.M.
Weert, C.G.van *see* van Weert, C.G.
Weert, Ch.G.van *see* van Weert, Ch.G.
Weert, C.M.M.de *see* de Weert, C.M.M.
Weertman, J. Inherent instability of quasi-static creep slippage on a fault 9—84193
Weertman, J. Height of mountains on Venus and the creep properties of rock 9—84700
Weertman, J. *see* Aita, C.R. 9—79097
Weertman, J. *see* Brown, R.D. 9—52336
Weerts, H. *see* Morfin, J.G. 9—71740
Wefel, J.P., Kidd, J.M., Schimmerling, W., Vosburgh, K.G. Differential fragmentation cross sections for 7.3 GeV nitrogen ions incident on protons 9—54442
Wefel, J.P. *see* Garcia-Munoz, M. 9—101036
Weg, W.F.van der *see* van der Weg, W.F.
Wegen, G.J.L.van der *see* van der Wegen, G.J.L.
Wegener, D. *see* Drijard, D. 9—80853, 9—89150, 9—89198
Wegener, D. *see* Hartwig, S. 9—49621
Wegener, D. *see* Hofmann, W. 9—76273
Wegener, W. A modified derivation of the diffusion correlation factor 9—99351
Wegener, W., Hautecler, S., Vanderhaeghen, J., Scheerlinck, D., Legrand, E., Will, G. Magnetic interactions in α-$MnSO_4$ and β-$MnSeO_4$ 9—78361
Wegener, W., Vanderhaeghen, J., Hautecler, S., Legrand, E., van Gerven, L. Rotational motions in some molecular solids: clathrate hydrates, plastic silane 9—51022
Wegener, W. *see* Alder, L. 9—81225
Weger, M. The metallic state in organic materials at helium temperatures 9—65462
Weger, M., Keveh, M. Broken strand model for dielectric constant of one-dimensional conductors 9—87088
Weger, M. *see* Kaveh, M. 9—78086, 9—95394
Weggel, R.J. High-field facilities at the Francis Bitter National Magnet Laboratory 9—71497
Weglein, R.D. *see* Barnoski, M.K. 9—50445
Weglein, R.E. *see* Barnoski, M.K. 9—72720
Wegner, F. *see* Oppermann, R. 9—90999
Wegner, F.J. Disordered system with n orbitals per site: n=∞ limit 9—60768
Wegner, G. Photometry of the supernovae in NGC 488 and NGC 977 9—62857
Wegner, G. The gravitational redshift of the white dwarf o^2 Eri B 9—62868
Wegner, G. The mechanism of solid-state polymerizations 9—74381
Wegner, G., Glass, I.S. A new bipolar nebula in Centaurus 9—84837
Wegner, G. *see* Bubeck, C. 9—78522
Wegner, G. *see* Kurtz, D. 9—101151
Wegria, J., Piccinin, A., Cosse, P., Gouzou, J. Appearance of an indentation irregularity at the limit of elasticity for zinc-2.5% copper-0.15% titanium alloy after heat treatment 9—79004
Wegscheider, W., Knapp, G., Spitzy, H. Sequential testing as an efficient screening method for interferences in routine analysis as applied to atomic-absorption spectrometry with flame and graphite furnace atomization 9—57340
Wehinger, P.A. *see* Stockton, A. 9—97058
Wehinger, P.A. *see* Wyckoff, S. 9—71058
Wehlau, W.H. *see* McAlary, C.W. 9—97006
Wehner, G.K. *see* Meyer, W.K. 9—87546
Wehner, G.K. *see* Olson, R.R. 9—83076, 9—87538
Wehner, P.S., Williams, R.S., Kevan, S.D., Denley, D., Shirley, D.A. Valence-band structure of silver along Λ from angle-resolved photoemission 9—95316
Wehrbein, W.M., Hord, C.W., Barth, C.A. Mariner 9 ultraviolet spectrometer experiment: vertical distribution of ozone on Mars 9—66952
Wehring, B.W. *see* Hertel, N.E. 9—59273
Wehrl, A., Yourgrau, W. On the increase of entropy in the Carleman model 9—80558
Wehrli, F.W. Field-dependent ^{13}C NMR spin-lattice relaxation and anisotropic magnetic shielding in benzonitrile 9—76450
Wehrsdorfer, E. *see* Karthe, W. 9—93184
Wehry, E.L. *see* Hekbree, D.M. 9—100460
Wei, J. *see* Astarita, G. 9—83663
Wei, J.P. A practical method of interassembly heat transfer in LMFBR assemblies 9—59154
Wei, J.S. *see* Westwood, W.D. 9—99958
Wei, P.S. *see* Barber, D.P. 9—89175, 9—97631
Wei, P.S.P., Adamski, J.L., Beymer, J.R. Study of plasma expansion in a vacuum diode by the spectroscopic method 9—55551
Wei, P.S.P., Lytle, F.W. Resonance absorption at the L edges of tantalum: the white line 9—61469
Wei, P.S.P. *see* Lytle, F.W. 9—72256
Wei, R.P., Wei, W., Miller, G.A. Effect of measurement precision and data processing procedures on variability in fatigue crack growth rate data 9—61817
Wei, S.H.N., Ailion, D.C. Nuclear magnetic resonance study of the diffusion of bound and free fluorine interstitials in alkaline-earth fluorides doped with trivalent impurities 9—78542
Wei, W. *see* Wei, R.P. 9—61817
Wei Chang, Blau, M. Optimization of the gray scale for photoscanners 9—79555
Wei Cheng-lian *see* Chen Chang 9—90708
Wei Ching-Yeu *see* Ching-Yeu Wei
Wei Ding-wen, Zhang Jie-qian Some studies on the experimental simulation of the typhoon movements 9—84449
Wei Gung *see* Ho-Let Lo 9—82833
wei Hasia Kung *see* Hasia Kung wei
Wei Ming-xiu, Guo Yong-fen, Chen Zhen-jie On Mercurian sphalerite and its unit-cell dimensions 9—90616
Wei Nien-Chih *see* Nien-Chih Wei
Wei Qin The high-degree ionized spectra excited by spark source and its application 9—80695
Wei T'ung *see* T'ung Wei
Wei Zhong-lei, Wang Bing-zheng, Zhang Jun-xiu The wave diagrams for diffraction and reflection of a travelling weak shock wave from an open end of a shock tube 9—64692
Wei Zhu *see* Zhu Wei
Wei-de Zhang *see* Zhang Wei-de
Wei-han Tan *see* Tan Wei-han
Wei-heng Feng *see* Feng Wei-heng
Wei-Hsi Liao, Krueger, D.A. Theory of large agglomerates in magnetic colloids 9—79310
Wei-hsi Yi *see* Yi Wei-hsi
Wei-Jei Yang *see* Chao, K.N. 9—88056
Wei-min Liu *see* Liu Wei-min
Wei-Ming Yei, McLellan, R.B. Thermodynamics of dilute platinum-hydrogen solid solutions 9—77756
Wei-nan Chou *see* Chou Wei-nan
Wei-ping Han *see* Han Wei-ping
Wei-ping Zhang *see* Zhang Wei-ping
Wei-qi Wang *see* Wang Wei-qi
Wei-qin Zhao *see* Zhao Wei-qin
Wei-sheng Yang *see* Yang Wei-sheng
Wei-shin Tsay, Riley, C., Ham, D.O. Thermal enhancement of multiple photon absorption by SF_6 9—68283
Wei-Tou Ni Geodesic triangles and expansion of metrics in normal coordinates 9—80476
Wei-Tou Ni *see* Hsou-Tao Yu 9—85051
Wei-Tou Ni *see* Kuo-Shung Cheng 9—85039
Wei-Tou Ni *see* Wann-Quan Li 9—80430, 9—93007
Wei-xing Ma *see* Ma Wei-xing
Wei-Zhuo Ahong *see* Ahong Wei-Zhuo
Weibel, H.E. *see* Hochli, U.T. 9—91342
Weichert, D. *see* Rafalski, P. 9—68593
Weichert, D.H. *see* Milne, W.G. 9—88274
Weichman, F.L., Austen, D.J. Black liquid solar collector demonstrator 9—97140
Weichman, F.L. *see* Chee, K.T. 9—83034
Weickmann, H.K. *see* Pueschel, R.F. 9—74570
Weickmann, K. *see* Wendling, P. 9—94150
Weickmann, K.M., Barchet, W.R. A numerical simulation of pre-ice-nucleation conditions in a settling cloud chamber 9—79950
Weide, H.Van Der *see* Van Der Weide, H.
Weidel, E. *see* Gruber, J. 9—81565
Weidemann, V. Relativistic astrophysics. Einstein's centenary 9—80213
Weidemann, V. *see* Koester, D. 9—88655
Weidenhammer, K. *see* Nuber, B. 9—60311
Weidenmuller, H.A. *see* Agassi, D. 9—49634
Weidenmuller, H.A. *see* Ko, C.M. 9—49633
Weidenmuller, H.A. *see* Shlomo, S. 9—89265
Weidenschilling, S.J. A constraint on pre-main-sequence mass loss 9—58335
Weidinger, A., Wessner, R., Wichert, T., Recknagel, E. Defect configurations in irradiated molybdenum 9—86817
Weidinger, A. *see* Echt, O. 9—56702
Weidinger, A. *see* Graf, H. 9—56677, 9—56688
Weidinger, A. *see* Witthuhn, W. 9—51895
Weidlich, E. *see* Mund, K. 9—92428
Weidlich, W. Macroscopic cell representation of density matrix equation variational principle for optimal choice of projector 9—63130
Weidman, C.D., Krider, E.P. The radiation field wave forms produced by intracloud lightning discharge processes 9—84386
Weidman, R.S. *see* Kunz, A.B. 9—69408
Weidner, D.J. *see* Vaughan, M.T. 9—60422
Weidner, J. *see* von Redwitz, H. 9—53523
Weidner, V.R., Hsia, J.J. NBS reference hazemeter: its development and testing 9—75565
Weigand, G.G. *see* Walker, J.D.A. 9—88795
Weigel, C., Ammerlaan, C.A.J. Iterative EHT calculations for the positive divacancy in silicon 9—99184
Weigel, C. *see* Kaplan, D.R. 9—99183
Weigel, D. *see* Gavarri, J.-R. 9—86754
Weigel, H. *see* Michel, R. 9—67749
Weigel, M.K. On the general theory of the nucleon optical potential 9—93576

Weigel, M.K. *see* Abdi, S.M. 9—59024
Weigel, W. *see* Angenheister, G. 9—57889
Weigelt, G.P. *see* Bialetzki, J. 9—80237
Weigelt, G.P. *see* Lohmann, A.W. 9—75116
Weightman, P., Andrews, P.T. Relative intensities of $L_{2,3}M_{4,5}M_{4,5}$ principal and satellite Auger spectra of Cu 9—52054
Weightman, P., Andrews, P.T., Parry-Jones, A.C. The influence of the 4d bandwidth on the $M_{4,5}N_{4,5}N_{4,5}$ Auger spectra of Ag and MgAg 9—100017
Weightman, P. *see* Parry-Jones, A.C. 9—61472
Weigmann, H., Raman, S., Harvey, A., Macklin, R.L., Slaughter, G.G. Neutron resonances in ^{100}Mo and valence neutron capture 9—89278
Weigmann, H. *see* Mewissen, L. 9—54436
Weigmann, H.J. *see* Fabian, H. 9—89968
Weiguny, A. *see* Langanke, K. 9—71826
Weihert, M. *see* Blasek, G. 9—52464
Weihreter, E. *see* von Hartrott, M. 9—73849
Weihs, D. *see* Boasson, M. 9—50730
Weihs, D. *see* Katz, J. 9—53172
Weijenbergh, P.G.P., Van Beelen, H. A method to measure the thermal conductivity of discs of arbitrary shape, demonstrated on a type-II superconductor 9—63228
Weil, J.A. *see* Halliburton, L.E. 9—73810
Weil, J.A. *see* Isoya, J. 9—65731
Weil, R., Lazarus, D., Witt, F. Apparatus for sectioning diffusion specimens in liquid nitrogen 9—67276
Weiland, J. Numerical investigation of current driven dissipative drift wave turbulence including finite β and quasilinear effects in a Tokamak plasma 9—98913
Weiland, J., Sanuki, H. Formation of convective cells by modulational instability of drift Alfven waves 9—77364
Weiland, J., Sanuki, H. Formation of convective cells by modulational instability of drift Alfven waves 9—98903
Weiland, R.H., McPherson, R.R. Accelerated settling by addition of buoyant particles 9—96369
Weiler, C.A. *see* Burch, T.J. 9—78055
Weiler, E.J., Oegerle, W.R. A Copernicus survey of Mg II emission in late-type stars 9—80301
Weiler, K. *see* Fanti, R. 9—71142
Weiler, K.H. *see* Fabian, P. 9—84384
Weiler, K.W. Crab-like supernova remnants 9—53888
Weiler, M.H. Conduction and valence band effective mass parameters in InSb 9—60689
Weiler, M.H., Aggarwal, R.L., Lax, B. Magnetoreflection studies of $Hg_{1-x}Cd_xTe$ 9—82963
Weiler, T. *see* Mendez, A. 9—63442
Weiler, T. *see* Ross, G.G. 9—58920
Weiliang Lee *see* Lee Weiliang
Weill, A., Baudin, F., Goutorbe, J.P., Van Grunderbeeck, P., Leberre, P. Turbulence structure in temperature inversions and in convection fields as observed by Doppler sodar 9—66762
Weill, A. *see* Klapisz, C. 9—84399
Weill, A. *see* Van Grunderbeeck, P. 9—66763
Weill, G., Kozacki, A., Verie, C. Unusual high electron mobility in zero gap HgCdTe alloys and related phenomena 9—82601
Weill, G., Smirnov, I.A., Gurin, V.N. Electrical transport properties of EuB_6 under pressure. New experimental data 9—87101
Weill, G., Vogl, O. Head-to-head polymers. X. High resolution NMR spectroscopy of polystyrene and poly(vinyl cyclohexane) 9—73833
Weill, G., Vogl, O. H-H polymers. XI. High resolution NMR spectroscopy of poly(methyl acrylates) 9—73834
Weiman, H.H. *see* Van Bibber, K. 9—97723
Weimann, B. *see* Damen, H. 9—49329
Weimann, G. Oxide and interface properties of anodic oxide MOS structures on III-V compound semiconductors 9—60929
Weimann, G. Electrical characterization of n- and p-type GaAs films grown by molecular beam epitaxy 9—91168
Weimer, E., Gaukler, K.H. Measurements of high-voltage fluctuations with the Mollenstedt electron spectrometer 9—67434
Weimer, K.E. *see* Johnson, J.L. 9—82091
Weimer, M. *see* Becker, U. 9—59059
Weimer, R.J., Phillips, W.L., Kim, C. Microstructural effects on fracture toughness of a hypereutectoid silico-manganese steel 9—74255
Weimin Liu *see* Liu Weimin
Wein, M., Levin, L. Origin of fast volume diffusion 9—99352
Wein, O. Rotational quasi-viscometric flows around a rotating sphere 9—60023
Weinand, G. *see* Overbergh, N. 9—82166
Weinbaum, S. On the mechanics of cell membranes with molecular level electrostatic and electrodynamic interaction 9—92174
Weinberg, D. *see* Moller, R. 9—97794
Weinberg, D.M. Experimental folding of rocks under confining pressure. VII. Partially scaled models of drape folds 9—58127
Weinberg, E.J. Multivortex solutions of the Ginzburg-Landau equations 9—71634
Weinberg, F. The ductility of continuously-cast steel near the melting point—hot tearing 9—83314
Weinberg, F., Hirschfeld, D.A. Porosity in case and directionally solidified Al and Al-Cu alloys 9—74145
Weinberg, F. *see* Brimacombe, J.K. 9—83315
Weinberg, F. *see* Hawbolt, E.B. 9—83242
Weinberg, M. *see* Sandler, B.Z. 9—77032
Weinberg, S. Gauge hierarchies 9—49380
Weinberg, S. Implications of dynamical symmetry breaking: an addendum 9—54269
Weinberg, S. Phenomenological Lagrangians 9—63356
Weinberg, W.H. *see* Chan, C.-M. 9—56050, 9—60619, 9—77880
Weinberg, W.H. *see* Chang, H.-C. 9—89032
Weinberg, W.H. *see* Christmann, K. 9—65311
Weinberg, W.H. *see* Cunningham, S.L. 9—68284
Weinberg, W.H. *see* Evans, H.E. 9—90884, 9—100435
Weinberg, W.H. *see* Ibbotson, D.E. 9—77901
Weinberg, W.H. *see* Taylor, J.L. 9—66347
Weinberg, W.H. *see* Thiel, P.A. 9—51428, 9—77900, 9—77917, 9—99412
Weinberg, W.H. *see* Thomas, G.E. 9—58849
Weinberg, W.H. *see* Williams, E.D. 9—51429
Weinberg, W.H. *see* Yates, J.T., Jr. 9—52773, 9—57292, 9—83503, 9—86989
Weinberg, W.H. *see* Zhdan, P.A. 9—91994
Weinberg, Z.A., Rubloff, G.W., Bassous, E. Transmission, photoconductivity, and the experimental band gap of thermally grown SiO_2 films 9—73540
Weinberger, B.R., Kaufer, J., Heeger, A.J., Pron, A., MacDiarmid, A.G. Magnetic susceptibility of doped polyacetylene 9—95566
Weinberger, B.R. *see* Ozaki, M. 9—95474
Weinberger, P., Anderson, P., Donovan, L.S. Changes in production, yield, and chemical composition of corn (Zea mays) after ultrasound treatments of the seeds 9—79597
Weinberger, P., Podloucky, R., Mallett, C.P., Neckel, A. On the electronic structure of HfC, TaC and UC 9—51484
Weinberger, P. *see* Mallett, C.P. 9—87040
Weinberger, P. *see* Podloucky, R. 9—77999
Weinberger, R., Auner, G. Comet on Palomar Sky Survey 9—80270
Weinberger, R., Purgathofer, A. Some observations of Stephenson's planetary nebula 9—67086
Weiner, D. *see* Kenefic, R. 9—86296
Weiner, J.H. *see* Pear, M.R. 9—86096
Weiner, M.M. Modes of empty off-axis unstable resonators with rectangular mirrors 9—76787
Weiner, R.A. *see* Flinn, J.E. 9—67864
Weiner, R.M. *see* Fowler, G.N. 9—59028
Weiner, R.M. *see* Friedlander, E.M. 9—71725
Weinert, R. *see* Mergerian, D. 9—50444
Weinert, R.W. *see* de Klerk, J. 9—56063
Weinfeld, M. *see* Amiranoff, F. 9—90432
Weingart, J.M. Solar energy as a global energy option 9—100496
Weingart, M.D. *see* Carrell, R.D. 9—54575
Weingarten, W. *see* Arnolds, G. 9—72009
Weingartner, H. *see* Manier, G. 9—66771
Weingartshofer, A., Clarke, E.M., Holmes, J.K., Jung, C. Experiments of multiphoton free-free transitions 9—81289
Weinhold, F. *see* Moiseyev, N. 9—49992, 9—89648
Weinig, S. *see* Cambey, L.A. 9—83124
Weinkam, J.J. *see* Mantel, J. 9—62369
Weinman, L.S., Devault, J.N. A microprobe study of rapidly solidified laser surface alloyed low carbon steels 9—70201
Weinman, L.S. *see* Moore, P. 9—70200
Weinreich, G. The coupled motions of piano strings 9—64452
Weinreich, H. *see* Medenbach, O. 9—94852
Weinreich, R. *see* Qaim, S.M. 9—88184
Weinrib, A. *see* Crampton, S.B. 9—50155
Weinrich, P.F. *see* French, I.E. 9—57109, 9—61714, 9—91785
Weins, W.N., Carlson, O.N. Diffusion and electrotransport or iron, cobalt and nickel in thorium metal 9—90828
Weinstein, A.M., Stephenson, J.L. Electrolyte transport across a simple epithelium. Steady-state and transient analysis 9—88063
Weinstein, D.G. *see* Chen, W.H. 9—57199
Weinstein, D.I. *see* Leffler, A.J. 9—57480
Weinstein, E. *see* Moore, P.B. 9—86716
Weinstein, H. *see* Chang, S.Y. 9—52639
Weinstein, J., Bielski, B.H.J. Kinetics of the interaction of HO_2 and O_2^- radicals with hydrogen peroxide. The Haber-Weiss reaction 9—83444
Weinstein, M. *see* Horn, D. 9—85233
Weinstein, M. *see* Stewartson, K. 9—90257
Weinstein, R. *see* Blanar, G.J. 9—93473
Weinstock, H., Tsai, C.L., Schmidt, F.A. Thermal and electrical conductivity of pure vanadium at low temperatures 9—60792
Weinstock, H. *see* Fagaly, R.L. 9—60966
Weinstock, H. *see* Overton, W.C., Jr. 9—56480
Weinstock, H. *see* Thompson, C.W., Jr. 9—60460
Weinstock, R. Oscillations of a particle attached to a heavy spring: an application of the Stieltjes integral 9—71180
Weinzierl, G., Friedrich, J., Griebel, R. Heavy atom- and deuterium isotope effect in bis-(phenylethinyl)-mercury 9—59372
Weinzierl, P. *see* Blaschko, O. 9—65038
Weinzierl, P. *see* Eder, O.J. 9—77490
Weir, A.D. Axisymmetric convection in a rotating sphere. II. Non-slip surface 9—64657
Weir, G.J. Singular spin harmonics 9—97529
Weirather, F. *see* Packer, O. 9—95966
Weirauch, W. A new method to determine the ratio of the Planck constant to the neutron mass 9—59294
Weis, J. *see* Brodsky, S.J. 9—49565
Weis, J.H. *see* Brower, R.C. 9—71716
Weis, J.J. *see* Alder, B.J. 9—64823
Weis, J.J. *see* Levesque, D. 9—82140, 9—90510
Weis, J.J. *see* Patey, G.N. 9—86669
Weis, O. Reflection, transmission and mode conversion of plane sound waves at a plane interface between two different anisotropic solids 9—76903
Weis, O. *see* Nover, M. 9—65609
Weisbach, J. *see* Blau, W. 9—78793
Weisberg, H. *see* Glenn, J.W. 9—72045
Weisberg, J.M., Boriakoff, V., Rankin, J. Neutral hydrogen absorption in the spectra of four low-latitude pulsars 9—92792
Weisbin, C.R. *see* Marable, J.H. 9—67835
Weisbuch, C. Tunable laser spectroscopy of semiconductors 9—93231
Weisbuch, C. *see* Nakamura, A. 9—65770
Weisbuch, G., Garbay, F. Light scattering by surface tension waves 9—58469
Weise, J. *see* Van Lumig, A. 9—89821
Weise, W. Pion-nucleus interactions 9—80958
Weise, W. Many-body approach to pion-nucleus scattering 9—85547
Weise, W. *see* Maxwell, O.V. 9—85510
Weise, W. *see* Mukhopadhyay, N.C. 9—67697
Weise, W. *see* Oset, E. 9—59090, 9—76039, 9—85556
Weise, W. *see* Toki, H. 9—49593, 9—85377
Weiser, G. *see* Sebastian, L. 9—78653
Weiser, K., Klein, A., Ainhorn, M. Electrical properties of indium-doped lead tin telluride 9—69527
Weiser, K. *see* Shapiro, B. 9—65488
Weiskopf, H., Noack, G. The high-temperature test plant (HHV plant) 9—97760
Weisman, G., Pope, M.H., Johnson, R.J. On the mechanical properties of ligaments under cyclic loading 9—92284
Weisman, J. *see* Bo-In Lin 9—67892
Weisman, R.B. *see* Greene, B.I. 9—57252, 9—91975, 9—92150
Weismann, D. *see* Aumann, D.C. 9—97921
Weiss, A. *see* Kadel, R. 9—65197, 9—87841
Weiss, A. *see* Schmidt, P.C. 9—87072
Weiss, A.B. *see* Alexander, H. 9—92434
Weiss, A.B. *see* Parsons, J.R. 9—79691
Weiss, A.J., Colombo, A.J.F. Study of trench water at low-level radioactive waste disposal sites 9—52963
Weiss, A.J., Colombo, P. Survey of trench waters at commercial low-level radioactive waste disposal sites 9—85629
Weiss, A.W. *see* Sugar, J. 9—59390
Weiss, B.L., Hartnagel, H.L. Crystallization dynamics of native anodic oxides on GaAs for device applications 9—66190
Weiss, B.L., Robkoff, H.N., Hallock, R.B. Fluid structure factor measurements in ^{4}He at T=10K 9—51322
Weiss, B.Z. *see* Dor-Ram, Y. 9—96041
Weiss, B.Z. *see* Stern, A. 9—77605
Weiss, D. *see* Fox, M. 9—93594
Weiss, G. *see* Feitzinger, J.V. 9—101089
Weiss, H., Langhoff, H. Observation of localized modes in TbO_x using the Mossbauer effect 9—73874
Weiss, H. *see* Linde, R. 9—76647
Weiss, I., Jonas, J.J. Interaction between recrystallization and precipitation during the high temperature deformation of HSLA steels 9—100187
Weiss, J. *see* Nuber, B. 9—60311
Weiss, J.A. *see* Tetenbaum, S.J. 9—72983
Weiss, J.M. *see* Abrams, G.S. 9—89149, 9—89174
Weiss, K. *see* Ottensmeyer, F.P. 9—62175
Weiss, L., Urwank, P. Indirect evidence of low-energy Stoner excitations in Fe_3Al by observation of spin waves 9—51770
Weiss, L. *see* Giovannini, B. 9—87197
Weiss, M., Ertl, G., Nitschke, F. Adsorption and decomposition of ammonia on Fe (110) 9—69345
Weiss, M. *see* Boltezar, E. 9—67972
Weiss, M. *see* Drechsler, M. 9—90862
Weiss, M.A., Cohen, A.-H., Gallily, I. On the stochastic nature of the motion of nonspherical aerosol particles. II. The overall drift angle in sedimentation 9—50777
Weiss, M.J., Hsieh, T.-C., Meisels, G.G. Fragmentation of SO_2^+ prepared in state selected vibrational levels 9—89707

Weiss, M.S., Yeni-Komshian, G.H., Heinz, J.M. Acoustical and perceptual characteristics of speech produced with an electronic artificial larynx 9—72766
Weiss, M.S. *see* Bonche, P. 9—93676
Weiss, M.S. *see* Resnick, S.B. 9—94412
Weiss, N. *see* Sikivie, P. 9—97513
Weiss, N.O. *see* Meyer, F. 9—75170
Weiss, R. *see* Kingston Owens, D. 9—97045
Weiss, S. *see* Strauss, H.L. 9—81182
Weiss, W. *see* Egelhof, P. 9—67737
Weissenberger, E., Kast, W., Gonnenwein, F. Compact time-zero detector for heavy ions 9—76260
Weisser, D.C. *see* Kemper, K.W. 9—59082
Weisser, D.C. *see* Pollacco, E.C. 9—63698
Weisser, D.C. *see* Zeller, A.F. 9—75904
Weisshaar, J.C., Moore, C.B. Collisionless nonradiative decay rates of single rotational levels of S_1 formaldehyde 9—72346
Weisshaar, S. *see* Kowalski, J. 9—54385
Weissman, D.L., Shek, M.L., Spicer, W.E. Oxygen on Pd(111): a study by photoemission and thermal desorption 9—78833
Weissman, H. Replication for laser applications 9—55253
Weissman, M.A. *see* McIntyre, M.E. 9—53433
Weissman, M.B., Isaacson, R.A., Feher, G. Experimental verification of a theory of 1/f noise in a model system 9—98290
Weissman, M.B., Pan, R.C., Ware, B.R. Electrostatic contributions to the viscosities and diffusion coefficients of macroion solutions 9—70508
Weissman, M.H. *see* Borovetz, H.S. 9—84024
Weissman, P.R. Nongravitational perturbations of long-period comets 9—70998
Weissman, Y. A contribution to the theory and practice of multiple time scales expansion of nonlinear oscillators 9—92971
Weissmann, G. Particle order: A new fundamental concept in hadron physics 9—80762
Weissmann, G. Particle order: A new fundamental concept in hadron physics. II. The generalized hadronic S matrix 9—80763
Weissmann, M. *see* Cohan, N.V. 9—69387
Weissmann, R. Intensity ratios of the KL_1L_1, $KL_{23}L_{23}$ oxygen Auger lines in different compounds 9—87531
Weissmann, S. *see* Kalman, Z.H. 9—50928
Weissmantel, C. Film preparation using plasma or ion activation 9—83132
Weistrop, D. Photoelectric photometry of a complete sample of faint red stars 9—71034
Weisz, P. *see* Berg, B. 9—71629, 9—71647
Weisz, P. *see* Schroer, B. 9—71614
Weisz, S. *see* Badier, J. 9—93460
Weitsman, Y. Interfacial stresses in viscoelastic adhesive-layers due to moisture sorption 9—90145
Weitz, A. *see* Ben-Yosef, N. 9—92590
Weitz, R.L. *see* Bechis, D.J. 9—63401
Weitzner, H., Batchelor, D.B. Conversion between cold plasma modes in an inhomogeneous plasma 9—77397
Weizer, V.G., Brandhorst, H.W., Broder, J.D., Hart, R.E., Lamneck, J.H. Photon-degradation effects in terrestrial silicon solar cells 9—92078
Welber, B. Pressure-induced changes in the reflectivity of SmSe and some comments on Nd-substituted SmSe 9—56763
Welber, B. *see* Pinczuk, A. 9—51230
Welber, B. *see* Torrance, J.B. 9—61399
Welberry, T.R., Miller, G.H., Pickard, D.K. A 3-D crystal growth-disorder model with cubic symmetry 9—73118
Welberry, T.R. *see* Miller, G.H. 9—51025
Welborn, J.W., III *see* Moyle, D.D. 9—57687
Welborn, W.S. *see* Diack, A.W. 9—88147
Welch, A.J., Baker, L.E., Priebe, L.A. Comparisons of argon and neodymium laser damage of canine stomach tissues 9—92290
Welch, A.J. *see* Priebe, L.A. 9—57706
Welch, A.J. *see* Thomas, C.W. 9—53098, 9—74650
Welch, D. *see* Wright, M.A. 9—57092
Welch, F.H., Steele, O.P., III Evaporative removal of sodium from reactor components 9—93735
Welch, L.C. Application software standardization...CERN as an example 9—89553
Welch, L.C. *see* Morfin, J.G. 9—71740
Welch, P.I., Kallend, J.S., Davies, G.J. The influence of solid solution elements and precipitates on the correlation of formability parameters with texture in aluminium alloys 9—91696
Welch, P.I. *see* Mintz, B. 9—91705
Welch, R.M. *see* Kondratyev, K.Ya. 9—100956
Welch, W.J. *see* Dieter, N.H. 9—71136
Weldon, A. *see* Segre, G. 9—54278
Weldon, H.A. *see* Segre, G. 9—63420, 9—97581
Welford, W.T. High aperture optics 9—55203
Welford, W.T., Winston, R. On the problem of ideal flux concentrators: addendum 9—55201
Welford, W.T., Winston, R. Two-dimensional nonimaging concentrators with refracting optics 9—81504
Welford, W.T. *see* Winston, R. 9—72650, 9—72651
Welge, K.H. Molecular dissociation by high-intensity infrared laser radiation 9—52710
Welge, K.H. *see* Filseth, S.V. 9—68275
Welge, K.H. *see* Von Hellfeld, A. 9—89720
Welker, T., Martin, T.P. Optical absorption of matrix isolated Li, Na, and Ag clusters and microcrystals 9—89820
Welker, W.J., Jr. *see* Thompson, L.A. 9—58434
Welkie, D.G., Lagally, M.G. Correlation of short-range order and sputter dose in GaAs(110) using a vidicon-based LEED system 9—83082
Welkie, D.G., Lagally, M.G. Investigation of the instrument response of a vidicon-based low-energy electron diffraction system 9—90500
Welkowitz, W. *see* Doblar, D.D. 9—100652
Welkowitz, W. *see* Min, B.G. 9—100639
Welkowitz, W. *see* Min, B.-G. 9—92324
Welland, H.J. *see* Harris, P.A. 9—89431
Wellens, U., Tekade, C. Regeneration of 0.95 Gbit/s PRS signals after transmission over 0.91 km of graded-index fibre 9—59807
Weller, C.S. *see* Anderson, D.E., Jr. 9—75007
Weller, C.S. *see* Scott, H.E. 9—97437
Weller, D.R. *see* Ogawa, K. 9—90034
Weller, H.R. *see* Jensen, M. 9—93620
Weller, H.R. *see* Seyler, R.G. 9—93571
Weller, H.R. *see* Skopik, D.M. 9—93587
Weller, M. *see* Decker, W. 9—55920
Weller, T., Lochmann, R. Comment to the paper of Milan Remko 'A PCILO study of the nine hydrogen bonded dimers involving NH_3, H_2O and HF' 9—72238
Weller, W.G., Jeffers, S. Hα variability of Nova Vulpeculae 1976 9—58352
Welling, H. *see* Ebert, J. 9—50365
Wellington, K.J. *see* Milne, D.K. 9—84841
Wellman, D.L. *see* Pueschel, R.F. 9—74570
Wells, A.T. *see* Burek, P.J. 9—84112
Wells, C.P., Diffey, B.L., Hall, F.M., Johnson, M. A comparison of two hard-copy display systems for nuclear medicine images 9—74744
Wells, D.C. *see* Dufour, R.J. 9—53907
Wells, D.O. *see* Watson, J.W. 9—81114
Wells, J. *see* Deutschmann, M. 9—85345
Wells, J. *see* Gurtu, A. 9—49517
Wells, J. *see* Mazzucato, M. 9—89148
Wells, J.M. *see* Roth, L. 9—99265
Wells, J.S., Sams, R.L., Lafferty, W.J. The high resolution infrared spectrum of the ν_1 band of HOCl 9—98095
Wells, J.S. *see* Streit, G.E. 9—70310
Wells, M.K., Histand, M.B., Miller, C.W. Ultrasonic transesophageal measurement of cardiac output 9—92315
Wells, N.C. *see* Hunt, B.G. 9—58082
Wells, P. *see* Guest, J.N. 9—68751
Wells, P.N.T. Ultrasonics in medical diagnosis 9—74733
Wells, P.N.T. Inside ultrasonics 9—83861
Wells, R.A. Geophysics of Mars 9—101104
Wells, R.A. *see* Metcalfe, L.J. 9—49738
Wells, R.D. *see* Panayotatos, N. 9—74597
Wells, W.K., Bilpuch, E.G., Mitchell, G.E. Observation of intermediate structure in inelastic proton amplitudes in ^{49}V 9—93586
Welpe, E. The violet effect, a new subjective colour induced by flicker light 9—53125
Welsch, D.-G. *see* Paerschke, H. 9—79262
Welsh, H.L. *see* Hollinger, A.B. 9—64006
Welsh, J.A. *see* Rose, T.L. 9—68279
Welsh, L.B. *see* Greene, J.E. 9—52071
Welsh, T.J. *see* Bossoli, R.B. 9—77597
Welter, J.-M. *see* Boning, K. 9—91029
Welter, J.-M. *see* Wenzl, H. 9—69265
Welter, R. *see* Jackel, H. 9—89919
Weltner, K. A new model of the Foucault pendulum 9—58472
Weltner, W., Jr. *see* Dendramis, A. 9—93992
Weltner, W., Jr. *see* Van Zee, R.J. 9—81218, 9—98084
Welz, F. *see* Tolksdorf, W. 9—69973
Welz, W. *see* Toennies, J.P. 9—89739
Wen, L. Thermal performance trade-offs for point focusing solar collectors 9—52904
Wen, T. *see* Schulkin, M. 9—90060
Wen Chen-Yi A unitary group treatment for strong crystal field in octahedral symmetry 9—51534
Wen Den Chen *see* Yu Mung Shih 9—61139
Wen-Cai Yang *see* Yang Wen-Cai
Wen-Ching Chen *see* Socie, D.F. 9—77015
Wen-da Shen *see* Shen Wen-da
Wen-Jei Yang *see* Chao, K.N. 9—92155
Wen-Jei Yang *see* Bunditkul, S. 9—81886
Wen-Jing Ding *see* Ding Wen-Jing
Wen-kui Wang *see* Wang Wen-kui
Wen-Lin Liu *see* Liu Wen-Lin
Wen-Long Lin Quark model and hadron spectroscopy 9—80808
Wen-qi Zhang *see* Zhang Wen-qi
Wen-rui Hu *see* Hu Wen-rui
Wen-sai Dai *see* Dai Wen-sai
Wen-xi Liu *see* Liu Wen-xi
Wen-Xiong Chen *see* Chen Wen-Xiong
Wen-Xiu Li *see* Li Wen-Xiu
Wen-xuan Li *see* Li Wen-xuan
Wen-Yan Yu *see* Yu Wen-Yan
Wen-Yaung Lee Sputter etching studies of Fe-Ni and Fe-Pd films 9—83079
Wen-yu Mei *see* Mei Wen-yu
Wencek, H., Moron, J.W. Magnetic permeability disaccommodation in a near Fe_3Al alloy containing carbon in solid solution 9—95613
Wenck, H.D., Hasnain, S.S., Nikitin, M.M., Sommer, K., Zimmerer, G. Time and spectrally resolved fluorescence of Xe_2 molecules excited with synchrotron radiation 9—98136
Wenckebach, W.Th. *see* Marks, J. 9—73746
Wendel, H. Theoretical study of the Raman cross section and its pressure dependence in silicon 9—91448
Wendel, H., Martin, R.M. Theory of structural properties of covalent semiconductors 9—82177
Wendelken, J.F., Ulehla, M.V.K. An ELs vibrational study of carbon monoxide adsorbed on the Cu (110) surface 9—77902
Wender, S.A. *see* Gould, C.R. 9—89527
Wender, S.A. *see* Jensen, M. 9—93620
Wender, S.A. *see* Skopik, D.M. 9—93587
Wendin, G. *see* Nuroh, K. 9—87527
Wendin, G. *see* Ohno, M. 9—49995
Wendland, W.M. *see* Hastenrath, S. 9—100929
Wendler, B. Amplitude dependent internal friction in polycrystalline zinc with impurities Ag 9—96079
Wendler, B., Neubauer, B. Increased information from microstructural replicas through the application of a scanning electron microscope 9—74334
Wendling, P., Wendling, R., Weickmann, K. Scattering of solar radiation by hexagonal ice crystals 9—94150
Wendling, R. *see* Wendling, P. 9—94150
Wendoloski, J.J. *see* Wiberg, K.B. 9—59440
Wendorff, J.H., Finkelmann, H., Ringsdorf, H. Structure and morphology of liquid-crystalline polymers 9—69025
Wendrock, G. *see* Ciach, R. 9—87605
Wendt, G. *see* Barnick, J. 9—92406
Wendt, H. *see* Fischer, J. 9—74398
Wendt, H.R., Hippler, H., Hunziker, H.E. Triplet acetylene: near infrared electronic absorption spectrum of the cis isomer, and formation from methylene 9—63997
Wendt, J.O.L., Martinez, C.H., Lilley, D.G., Corley, T.L. Numerical solution of stiff boundary valued problems in kinetics and diffusion 9—86525
Wendte, J.C. *see* Seim, O.S. 9—54479
Wendth, A.J., Ryan, R.M., Jones, R. A simple eye protection shield for special procedures 9—92398
Wene, C.-O. *see* Klapdor, H.V. 9—66918
Weng, G.J. Parametric response of a metallic column at elevated temperature 9—72829
Weng, G.J. *see* Chang, D.C. 9—100201
Weng, K.K.-S. *see* Dennis, J.B. 9—70878
Weng, W.T., Blumberg, L.N., Gill, E., Soukas, A., Witkover, R.L., Egleman, E., LoSecco, J., Sulak, L. 1.5 GeV/c multiturn shaving extraction and its transport line for the Brookhaven AGS 9—72062
Weng, W.T., Brown, H., Claus, J., Foelsche, H., Lee, Y.Y., Raka, E. Beam transfer from the AGS to ISABELLE 9—76188
Weng W. Chow *see* Anderson, D.Z. 9—59742
Wenger, C.B. *see* Cunningham, D.J. 9—88055
Weniger, P., Wawra, E., Dolejs, I. The action of hyperthermia on DNA repair 9—100577
Weniger, R. *see* Bass, R. 9—76317
Weniger, S. *see* Antic-Jovanovic, A. 9—59485
Wenk, H.R. Preferred orientation in minerals, review and outlook 9—83220
Wenk, H.R., Nakajima, Y. Periodic superstructures in calcic plagioclase 9—95032
Wenk, H.R. *see* Barber, D.J. 9—57933
Wenk, H.R. *see* Korekawa, M. 9—94970
Wenk, H.R. *see* Reeder, R.J. 9—62487, 9—100832
Wenk, H.-R. *see* Rinaldi, R. 9—99219
Wenk, J., Merten, L. Stimulated Raman effect in piezoelectric cubic crystals 9—73927
Wenkert, D.D. The flow of salt glaciers 9—84261
Wenlong Li *see* Li Wenlong
Wenner, M.L. *see* Ayres, R.A. 9—56998
Wennerstrom, H., Lindman, B. Micelles. Physical chemistry of surfactant association 9—57306
Wennerstrom, H. *see* Altman, L.J. 9—76447
Wennerstrom, H. *see* Engstrom, S. 9—87849
Wennerstrom, P., Torne, A., Lindqvist, T. Desorption heat capacity of ^3He adsorbed on solid neon 9—51383
Wensink, W.A., Noorman, C., Dijkerman, H.A. Self-broadening and self-shifting of some rotational transitions of CF_3H and N_2O 9—59426
Wentland, R.L. *see* Yarger, H.L. 9—53529
Wentowska, K. *see* Bak, P. 9—69244
Wentowska, K. *see* Maszkiewicz, M. 9—95595
Wentworth, D. *see* Bursill, L.A. 9—58844
Wentworth, W.E., Hildebrandt, A.F., Batten, C.F., Corbett, G.E., Chen, E.C.M. Thermal chemical conversion cycles for storage of solar energy 9—100537
Wentz, F.J. *see* Bierman, G.J. 9—74993
Wentzel, C. *see* Katz, A. 9—84029

Wentzel, D.G. Hydromagnetic surface waves on cylindrical flux tubes 9—75098
Wentzel, D.G. Heating of the solar corona: a new outlook 9—75180
Wentzell, R.A. *see* Lastman, G.J. 9—55406
Wenz, R. *see* Gerhardt, H. 9—93504
Wenzel, G. *see* Schneider, J. 9—61189
Wenzel, H.G. Evaluation of digital voltmeter reading for LaCoste-Romberg model D and G gravity meters 9—96830
Wenzel, K.P. *see* Formisano, V. 9—101029
Wenzel, W. *see* Fancher, D. 9—68148
Wenzel, W.A. *see* Clark, A.R. 9—75779
Wenzl, H., Welter, J.-M. Properties and synthesis of Nb-H interstitial alloys 9—69265
Wenzl, H. *see* Uelhoff, W. 9—74081
Weppner, J. *see* Bham, W. 9—85747
Weppner, W., Huggins, R.A. Electrochemical methods for determining kinetic properties of solids 9—65251
Weppner, W. *see* Hartwig, P. 9—65247, 9—73336
Weppner, W. *see* Piekarczyk, W. 9—56967, 9—77771
Werbeck, R.D. *see* van Dyck, O.B. 9—71994
Wereszczynnski, Z. *see* Denus, S. 9—85166
Wergeland, H. *see* Ter Haar, D. 9—59399
Werheit, H. *see* Binnenbruck, H. 9—82294
Werkhoven, C., Hengst, J.H.T., van Opdorp, C. Annihilation of frozen-in point defects in GaP by thermal and recombination-induced processes 9—99949
Werkhoven, C., van Opdorp, C., Vink, A.T. Influence of crystal defects on the luminescence of GaP 9—87511
Werle, J. Hydrodynamical quark model 9—49465
Werle, M.J. Supersonic laminar boundary-layer separation by slot injection 9—98747
Werle, M.J. *see* Napolitano, M. 9—81855
Werle, M.J. *see* Polak, A. 9—55366
Werle, M.J. *see* Srivastava, B.N. 9—90280
Werlefors, T., Eskilsson, C. On-line computer analysis of WC-Co structures imaged in a SEM 9—87807
Werlen, M. *see* Crabb, D.G. 9—63528
Werling, J.A. Plant efficiency at Beaver Valley power station number 1 9—67828
Wermes, N. *see* Brandelik, R. 9—63491, 9—93441
Wernand, M.R. *see* Spitzer, D. 9—79436
Werncke, W. *see* Fabian, H. 9—89968
Werner, A. *see* Rabe, P. 9—51043, 9—91532
Werner, C. *see* Herrmann, H. 9—74583
Werner, G.K. *see* Wampler, F.B. 9—64034
Werner, H., Krey, T. Combisweep—a contribution to sweep techniques 9—92616
Werner, H. *see* Teuchert, E. 9—63799
Werner, H.-P. The application of a contour-amplifier in depicting metallographic polished sections using a TV camera and monitor 9—96261
Werner, H.W. *see* Gossink, R.G. 9—66182
Werner, H.W. *see* Morgan, A.E. 9—61481
Werner, J.S., Wooten, B.R. Opponent chromatic mechanisms: relation to photopigments and hue naming 9—62258
Werner, K.-D., Luebke, P. Scaled tests with concrete cells for the pressure suppression system 9—97754
Werner, M.W., Becklin, E.E., Gatley, I., Matthews, K., Neugebauer, G., Wynn-Williams, C.G. An infrared study of the NGC 7538 region 9—84842
Werner, O. *see* Pahlm, O. 9—70678
Werner, P. *see* Pasemann, M. 9—95001
Werner, S.A., Staudenmann, J.-L., Colella, R. Effect of Earth's rotation on the quantum mechanical phase of the neutron 9—54012
Werner, T. *see* Dudek, J. 9—97673
Werner, W. *see* Beraha, D. 9—97860
Werneyer, R., Muller, W., Walte, F. Experimental results of detecting the type of flaw and determining the reference reflection parameters of ultrasonics from amplitude and time of travel measurements 9—91877
Wernhard, K.L. *see* Blietschau, J. 9—93396
Wernhard, K.L. *see* Girtler, P. 9—89197
Wernhard, K.-L. *see* Otter, G. 9—85338
Wernick, J.H., Hull, G.W., Geballe, T.H., Bernardini, J.E., Buehler, E. Czochralski growth of A15 structure intermetallic compounds 9—74080
Wernick, J.H. *see* Nakahara, S. 9—86794
Wernicke, R. *see* Kupka, H. 9—78735
Wernikowski, R.C. *see* Carbone, Q.J. 9—78876
Wernisch, J. *see* Lechner, A. 9—54186
Weronski, A. The effect of technical factors on the heat fatigue of low-alloyed CrMo steel 9—79058
Werren, D.W. *see* Besset, D. 9—63503, 9—67593
Werry, P.A.T.J., Stoffelsen, K.M. The effect of ionizing radiation on the survival of free plant cells cultivated in suspension cultures 9—92296
Wersinger, J.M., Kritz, A.H., Troyon, F. Lower hybrid oscillating two-stream instability in a plasma with magnetic shear 9—90395
Wert, J.C., III *see* Dorko, E.A. 9—96301
Werth, J.-E. *see* Doebner, H.D. 9—75385
Wertheim, G.K. What does core-electron spectroscopy tell us about the initial state of Na_xWO_3? 9—95898
Wertheim, G.K., Bates, C.W., Jr., Buchanan, D.N.E. Electronic structure of CsAu 9—69403
Wertheim, G.K., Citrin, P.H. Fermi surface excitations in X-ray photoemission line shapes from metals 9—61499
Wertheim, G.K. *see* Bates, C.W., Jr. 9—78838
Wertheim, G.K. *see* Citrin, P.H. 9—87563
Wertheim, G.K. *see* Crecelius, G. 9—78825
Wertheimer, M.R. *see* Sapieha, S. 9—87388
Wertheimer, R.K. Vibrational correlations in molecular liquids: the dephasing of hot bands 9—85966
Wertheimer, R.K. Vibrational correlations in molecular liquids. I. General theory on dephasing and depopulation 9—99048
Werve, H.van der *see* van der Werve, H.
Wescott, J.W. *see* Adekola, S.A. 9—72770
Wesely, M.L. Heat transfer through the thermal skin of a cooling pond with waves 9—100878
Wesemael, F. The unimportance of line blocking in the spectra of accretion disks 9—101155
Wesemael, F. *see* Herter, T. 9—80312
Wesenberg, R.L. *see* Rossi, R.P. 9—92368
Weser, J.E. *see* Lee, L.-H. 9—80711
Wesfreid, J., Berge, P., Dubois, M. Induced pretransitional Rayleigh-Benard convection 9—55374
Wesfreid, J. *see* Beysens, D. 9—87413
Wesfreid, J. *see* Legros, J.C. 9—68703
Weske, F. Planning X-ray installations for the operating theatre 9—92339
Wesley, D.A. *see* Curl, M.L. 9—85640
Wesley, W.G. Tycho Brahe's solar observations 9—88785
Wesolowska, C. *see* Stolecki, B. 9—65560, 9—65561
Wesolowska, C. *see* Wiktorczyk, T. 9—91339
Wesolowski, H. *see* Szpor, S. 9—96735
Wess, J. *see* Grimm, R. 9—58610
Wess, O., Roder, U. A holographic brain model for associative memory 9—74640
Wessel, H.U., Stout, R.L., Paul, M.H. Minicomputer based system for breath by breath analysis of ventilation and pulmonary gas exchange 9—62393
Wesseling, D. *see* Hoefker, U. 9—94423
Wesselius, P.R. *see* Pottasch, S.R. 9—62887, 9—88656
Wessels, G., Gaca, A., Loch, E., Seelen, W.V., Scheiding, W., Lorenz, H. Recognition of the pattern in ultrasonic sectional picures of the prostate for tumor diagnosis 9—83866
Wessman, R.A., Leventhal, L., Melgard, R. Suitability of current analytical methods to meet transuranic analysis requirements 9—96400
Wessner, R. *see* Weidinger, A. 9—86817
Wesson, J.A. Stability of Tokamaks [with discussion] 9—98911
Wesson, P.S. The formation of planets and satellites from self-similar disks 9—80248
West, A.R. Local electroneutrality in the β-alumina structures 9—65054
West, A.R. *see* Izquierdo, G. 9—78944
West, A.R. *see* Villafuerte-Castrejon, M.E. 9—90778
West, A.W., Rawlings, R.D. The microstructure and mechanical properties of Nb_3Sn filamentary superconducting composites 9—57054
West, B.J., Bulsara, A.R., Lindenberg, K., Seshadri, V., Shuler, K.E. Stochastic processes with non-additive fluctuations. I. Ito and Stratonovich calculus and the effects of correlations 9—85078
West, B.J. *see* Bulsara, A.R. 9—85079
West, C.M., Scott, L.M., Schultz, N.B. Sixteen years of uranium personnel monitoring experience—in retrospect 9—76149
West, D.O., Alt, J.N. Analysis of Recent crustal movement in the central and northern Sierra Nevada, California, using repeated geodetic levelling data 9—79795
West, D.R.F. *see* Davis, R. 9—61590
West, G. The complex roots of general first order reaction kinetics 9—66257
West, J. *see* Gondhalekar, A. 9—60172
West, J.B., Long, W.H., Jr. Ultraviolet absorption by diatomic rare gas ions in E-beam excited plasmas 9—68907
West, J.B. *see* Holland, D.M.P. 9—85939
West, J.B. *see* Michels, D.B. 9—83951
West, J.B. *see* Rothe, D.E. 9—59678
West, J.B. *see* Stockbauer, R. 9—98167
West, J.B. *see* Vawter, D.L. 9—96595
West, J.E. *see* Gross, B. 9—69616
West, J.E. *see* Sessler, G.M. 9—82914
West, J.L. *see* Waddell, W.H. 9—57253
West, J.T., De Beer, G.P., Nakhai, B., Roussin, R.W. Developing an ANS coupled cross-section standard for concrete shielding 9—59281
West, L. *see* Close, D.A. 9—85692
West, L.C. *see* Marling, J.B. 9—55216
West, M.A. *see* Fernie, D.P. 9—81440
West, M.L. *see* Miller, J.H. 9—52731
West, P.C. *see* Stelle, K.S. 9—75425
West, P.H. *see* Cameron, I.G. 9—68771
West, P.J. *see* Gerhardt, H. 9—93504
West, R. *see* Parks, G.K. 9—75014
West, R.A. Spatially resolved methane band photometry of Jupiter. I. Absolute reflectivity and center-to-limb variations in the 6190-, 7250, and 8900-Å bands 9—53759
West, R.A. Spatially resolved methane band photometry of Jupiter. II. Analysis of the South Equatorial Belt and South Tropical Zone reflectivity 9—53760
West, R.A. *see* Pang, K. 9—96958
West, R.H. *see* Requejo, A. 9—92098
West, R.M. *see* Schmadel, L.D. 9—75156
West, R.N. Positron studies of lattice defects in metals 9—99977
West, T.S. *see* Tyson, J.F. 9—74395
Westberg, K. *see* Cohen, N. 9—74345
Westbrook, C.K. Propagation of a flame through a stratified charge combustion chamber 9—64795
Westbrook, G.K. *see* Boynton, C.H. 9—84139
Westbrook, J.H., Desai, J.D. Data sources for materials scientists and engineers 9—65986
Westbrook, L.D. *see* Kirkby, P.A. 9—94245
Westbrook, R.D. *see* Young, R.T. 9—69138
Westbury, J.R. *see* MacNeilage, P.F. 9—70559
Westbury, J.R. *see* Sussman, H.M. 9—57625
Westcott, J.L., Goske Rudick, M. Cardiopulmonary effects of intravenous fluid overload: radiologic manifestations 9—92259
Westcott, M.E. *see* Richards, E.J. 9—72752
Westdorp, W.A. *see* Patrick, W.J. 9—78188
Westenbrugge, J.K.van *see* van Westenbrugge, J.K.
Westendorf, B.A. *see* Billinghurst, M.W. 9—83907
Westendorp, K. *see* Webers, J. 9—49310, 9—49311
Westenholz, C.von *see* von Westenholz, C.
Wester, U. *see* Forsberg, B. 9—53249
Westerhof, N. *see* Newman, D.L. 9—79581
Westerlund, B.E. *see* Richer, H.B. 9—71019
Westerlund, S. *see* Svennesson, J. 9—53649
Western, D.J. *see* Anderson, D.W. 9—63791
Western, W.R. *see* Gnada, B.E. 9—81141
Westerveld, W.B., Kets, F.B., Heideman, H.G.M., van Eck, J. Electron impact excitation of the $(2p^2)^3P$ doubly excited state of helium 9—86071
Westerveld, W.B., Mulder, T.F.A., van Eck, J. Determination of oscillator strengths from the self-absorption of resonance radiation in rare gases. II. Neon and Argon 9—89641
Westerweele, W.J. *see* Vroom, J.P. 9—97784
Westfall, G.D., Wilson, L.W., Lindstrom, P.J., Crawford, H.J., Greiner, D.E., Heckman, H.H. Fragmentation of relativistic ^{56}Fe 9—54453
Westfall, G.D. *see* Wolf, K.L. 9—63693
Westfall, R.M. Standardization cask analysis and correlation with experiment 9—63775
Westfall, R.M. *see* Hoffman, T.J. 9—59193
Westgate, J.A., Evans, M.E. Compositional variability of Glacier Peak tephra and its stratigraphic significance 9—57897
Westheimer, G. *see* Butler, T.W. 9—53136
Westlake, D.G., Miller, J.F. Terminal solubility of hydrogen in Nb-Ta alloys and characterization of the solid solutions 9—86894
Westlake, D.G. *see* Brun, T.O. 9—94962
Westlake, D.G. *see* Friedt, J.M. 9—78578, 9—95692
Westlake, D.G. *see* Jo, H.S.U. 9—95160
Westlake, D.G. *see* Ringermacher, H.I. 9—51867
Westlake, D.G. *see* Veal, B.W. 9—69958
Westlake, D.G. *see* Viccaro, P.J. 9—78579
Westlund, R. *see* Broberg, H. 9—68590
Westmacott, K.H., Perez, M.I. The coprecipitation of vacancies and carbon atoms in quenched platinum 9—78978
Westmacott, K.H. *see* Laval, J.Y. 9—95055
Westman, S. *see* Arnberg, L. 9—50936
Westmeier, S., Pict, H.-P. General equations for determining vapour pressures compared 9—77763
Westmeier, W. Detection probabilities using surface barrier detectors for alpha-decay-chain members 9—76315
Westmeier, W., Rossler, K. Range calculations for spallation recoils in ThF_4 by use of the computer code MARLOWE 9—93736
Weston, D.E., Tindle, C.T. Reflection loss and mode attenuation in a Pekeris model 9—98534
Weston, R.E., Jr. *see* Barker, J.R. 9—63952
Weston, R.M. *see* Rogers, P.S. 9—56969
Weston-Bartholomew, W. Some ultrasonic surface waves applications using the ultrasonic goniometer (corner reflector method) 9—100324
Weston-Bartholomew, W. Use of the ultrasonic goniometer to measure depth of case hardening (the corner reflection method) 9—100325
Westphal, G.P. On the performance of loss-free counting—a method for real-time compression of dead-time and pile-up losses in nuclear pulse spectroscopy 9—76312
Westphal, J.A. *see* Diner, D.J. 9—53744
Westphal, W. *see* Ruth, J. 9—96467
Westrum, E.F., Jr., Essene, E.J., Perkins, D., III Thermophysical properties of the garnet, grossular: $Ca_3Al_2Si_3O_{12}$ 9—60517
Westrum, E.F., Jr. *see* Carling, R.W. 9—55901
Westrum, E.F., Jr. *see* Landee, C.P. 9—65209
Westwanski, B. *see* Blaszczak, E. 9—51763, 9—91201, 9—99710

Westwater, E.R., Grody, N.C. Analysis of combined satellite- and surface-based microwave temperature profile retrieval 9—58226
Westwater, E.R. *see* Decker, M.T. 9—84392
Westwood, A.R.C. *see* Ahearn, J.S. 9—82431, 9—87749
Westwood, W.D., Wei, J.S. Guided optics techniques for investigation of films 9—99958
Westwood, W.D. *see* Feenstra, R.M. 9—73605
Westwood, W.D. *see* Naguib, H.M. 9—77939
Weszka, J., Miotkowski, I., Kloc, K., Zdanowicz, W. Raman scattering in CdP_2 single crystals 9—91441
Weszka, J. *see* Horak, A. 9—52122
Wetherell, A.M. *see* Jonker, M. 9—93399
Wetherhold, R.C. *see* Pipes, R.B. 9—57095
Wetherill, G.W. Apollo objects 9—75137
Wetherill, G.W. *see* Donath, F.A. *(editor)* 9—84070
Wetherrill, G.W. *see* Mittlefehldt, D.W. 9—84754
Wethington, J.A., Jr. *see* Roessler, C.E. 9—96346
Wetiz, E. *see* Huddleston, R.K. 9—89704
Wetjen, G. *see* Berger, C. 9—49519
Wetmiller, R.J. *see* Horner, R.B. 9—84164
Wetterich, C. *see* Shafi, Q. 9—80782
Wettling, W., Jantz, W. High-intensity Brillouin scattering from parametrically excited phonons in $FeBO_3$ 9—73956
Wettling, W., Jantz, W., Patton, C.E. Light scattering study of phonons parametrically excited in the weak ferromagnet $FeBO_3$ 9—78529
Wettling, W. *see* Jantz, W. 9—99696
Wetton, R.E. *see* James, D.B. 9—69234
Wetzel, P. *see* Semmlow, J. 9—79550
Wetzig, K. *see* Edelmann, J. 9—96240
Wetzstein, J.H. A tutorial review of key system aspects of wavefront measurement, control and conjugation 9—59796
Weulersse, J.M., Virlet, J., Rigny, P. ^{19}F NMR and ^{127}I NMR and NQR study of the molecular motions and deformations of iodine heptafluoride in its solid phases 9—99784
Wever, H. *see* Bose, A. 9—65238
Wever, H. *see* Kraatz, K.-H. 9—55919
Wever, H. *see* Macht, M.-P. 9—86917
Wevers-Henke, J.J. *see* Peters, M.J. 9—79670
Wexler, B.L., Waynant, R.W. High-average-power 16-μm gasdynamic CO_2 laser using a multipass cavity 9—81443
Wexler, D. Frequency domain stability for a class of equations arising in reactor dynamics 9—54475
Wexler, J.P. *see* Gray, R.I. 9—62396
Wey, J. *see* Hugenschmidt, M. 9—59719
Wey, M.Y. *see* Miida, R. 9—94958
Wey-Chaung Kuo Suppression of radio frequency interference at the distributor rotor gap [automobile ignition systems] 9—55586
Weyant, J.P. Energy models in the policy process: oil price decontrol and synthetic fuels commercialization 9—83546
Weyer, G., Kettschau, A., Grebe, G., Schroter, W., Bergholz, W. Comparison of Mossbauer spectra of ^{57}Co in silicon for high-temperature ion-implanted and for diffused samples 9—51891
Weyer, H.J. *see* Backenstoss, G. 9—76035
Weyers, J. *see* Segre, G. 9—63420
Weyhmann, W. *see* Babcock, J. 9—87272
Weyl, R. *see* Dietrich, I. 9—55786
Weyland, A., Geurts, H. Superflow dissipation in liquid helium II near the lambda point 9—55947
Weymann, R.J. *see* Turnshek, D.A. 9—71146
Weymann, R.J. *see* Walsh, D. 9—67114
Weymouth, L.J., Starr, J.E., Dorsey, J. Bonded resistance strain gages 9—93122
Weyna, I. *see* Polacka, B. 9—68249
Weynants, R. Conclusions on RF heating contributions presented at the Varenna international school of plasma physics 1977 9—98935
Weynants, R.R., Bhatnagar, V.P., Messiaen, A.M., Vandenplas, P.E. Magneto-acoustic resonance heating in the ion-cyclotron frequency domain 9—98932
Weynants, R.R. *see* Messiaen, A.M. 9—77361, 9—99000
Weyrich, K.-H., Siems, R. Phase transitions in 2-dimensional systems of migrating orientable lattice defects 9—77719
Weyrich, W., Pattison, P., Williams, B.G. Fourier analysis of the Compton profile: atoms and molecules 9—89588
Wha-Tek Kim *see* Kim Wha-Tek
Whalen, J. *see* Smith, A. 9—59057
Whalen, M., Kunz, C.O. ^{14}C activity and distribution in gaseous effluents from pressurized water reactors 9—85829
Whalen, T.J. *see* Lingscheit, J.N. 9—87745
Whalley, E., Klug, D.D. Comment on TO-LO splitting in disordered phases of ice 9—91420
Whalley, E. *see* Cahay, R. 9—82314, 9—82968
Whalley, E. *see* Johari, G.P. 9—55883
Whalley, E. *see* Klug, D.D. 9—99300
Whalley, E. *see* Lavergne, A. 9—90016
Whalley, E. *see* Nakahara, M. 9—94000
Whalley, E. *see* Ripmeester, J.A. 9—82882
Whalley, J.S. *see* Casey, M. 9—83230
Whalley, L.R. *see* Tarr, C.E. 9—90532
Whang, Y.K. Study on the inclusion size of stainless steel (On the 304 stainless steel) 9—66080
Whang Chung Nam *see* Chung Nam Whang
Whang-Ho Moon *see* Hsfen-Wen Ju 9—53217
Whang-Peng, J. *see* Schuette, W.H. 9—92423
Whangbo Myung-Hwan *see* Myung-Hwan Whangbo
Wharmby, D.O. *see* Eardley, G. 9—77440
Wharton, C.B. Diagnostics for fusion experiments 9—71951
Wharton, J.Taylor *see* Taylor Wharton, J.
Wharton, L. *see* Collares-Pereira, M. 9—62105
Wharton, L. *see* Goodman, N.B. 9—62069
Wharton, L. *see* Sharfin, W. 9—100410
Wharton, L. *see* Tellinghuisen, J. 9—98140
Wharton, L. *see* Tsou, L.-Y. 9—72398
Wharton, L.E. *see* Hoegy, W.R. 9—58139
Wharton, L.E. *see* Mayr, H.G. 9—84556
Wharton, L.E. *see* Spencer, N.W. 9—84555
Wharton, W. *see* Marlow, D. 9—85564
Wharton, W.R. *see* Doss, K.G.R. 9—85542
Whatham, I.F., Thompson, J.J. The bending and pressurizing of pipe bends with flanged tangents 9—94516
Whatmore, R.W., Glazer, A.M. Structural phase transitions in lead zirconate 9—61312
Whatmore, R.W., O'Hara, C., Cockayne, B., Jones, G.R., Lent, B. $Ca_{12}Al_{14}O_{33}$: a new piezoelectric material 9—99825
Wheale, M. *see* Marshall, L. 9—66103
Whealton, J.H., Whitson, J.C. Extraction of aberrationless high-perveance ion beams from a quiescent equilibrium plasma 9—90472
Whealton, J.H. *see* Menon, M.M. 9—76238
Whealton, J.H. *see* Stirling, W.L. 9—68117, 9—97920
Wheatley, A. Geiger counter 9—63866
Wheatley, J.C. *see* Krusius, M. 9—58696
Wheaton, J.E.G. *see* Cundall, R.B. 9—71538
Wheaton, W.A. *see* Byrne, P. 9—67118
Wheeler, B.C., Heetderks, W.J. Separation of cockroach giant action potentials using multiunit analysis techniques 9—83760
Wheeler, B.R. *see* Bingham, G.E. 9—59211
Wheeler, C.L. *see* Masterson, R.E. 9—89354
Wheeler, H.B. *see* Penney, B.C. 9—57740
Wheeler, J.C. The final evolution of stars 9—53805
Wheeler, J.C. Helium stars and supernovae 9—53806
Wheeler, K.E. *see* Katz, M. 9—92325
Wheeler, M.A.Z. *see* McCune, R.C. 9—83088
Wheeler, R.C. A glossary of terms for fast reactors 9—85760
Wheeler, R.V. Personnel monitoring concepts at nuclear power plants 9—85822
Wheeler, R.V. *see* Griffith, R.V. 9—63818
Wheeler, S.A. *see* Greene, P.D. 9—95523
Whelan, E.P. Hardness and abrasive-wear resistance of Ni-Cr-Mo-C hardfacing alloys 9—79117
Whelan, J.A. *see* Ward, S.H. 9—84260
Whelan, J.A.J. *see* Hill, P.W. 9—75225
Whelan, J.A.J. *see* Sargent, W.L.W. 9—62925
Whelan, J.A.J. *see* Young, P.J. 9—53928
Whelan, J.W. Digital voice processing overview 9—81663
Whelan, M.J. Dynamical theory of electron diffraction 9—68981
Whelan, M.J. *see* Rossouw, C.J. 9—55798, 9—74480
Whelan, R.E. A miniature low-flow-rate turbine flowmeter for high pressure 9—55431
Wheldon, T.E. Optimal fractionation for the radiotherapy of tumour cells possessing wide-shouldered survival curves 9—53192
Wheldon, T.E. *see* Orr, J.S. 9—74721
Wherrett, B.S. *see* Pidgeon, C.R. 9—78679
Whiffen, D.H. *see* Carpenter, J.H. 9—98064
Whiffen, D.H. *see* Small, C.E. 9—50054
Whillock, M.J., Edwards, A.A. Determination of the stopping cross-sections of N_2, H_2, Ch_4, C_4H_{10} and C_3H_6 using alpha particles in the range 1.3-4.2 MeV 9—49917
Whinnery, J.R. *see* Bourkoff, E. 9—64257, 9—72590
Whippey, M.R. *see* Dall, H.E. 9—84670
Whippey, P.W. *see* Sankar, C. 9—82204
Whippey, P.W. *see* Sivasankar, V.S. 9—95858
Whipple, F.L. On the nature and origin of comets and their contribution to planets 9—58300
Whipple, R.C. *see* Schneider, R.E. 9—49733
Whipple, R.E. *see* Grant, P.M. 9—53247
Whitaker, E.A. Why is the brightest lunar crater named Aristarchus? 9—49004
Whitaker, M.A.B. History and quasi-history in physics education. I 9—97130
Whitaker, M.A.B. *see* McLean, J. 9—61262
Whitaker, S. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Whitbread, T. *see* Chu, P.L. 9—59815, 9—64307
Whitcomb, G.P. Grist—A solar-observation facility 9—70956
Whitcomb, M. *see* Smith, G. 9—58098
Whitcomb, S.E., Hildebrand, R.H., Keene, J., Stiening, R.F., Harper, D.A. Submillimeter brightness temperatures of Venus, Jupiter, Uranus, and Neptune 9—53743
Whitcomb, S.E. *see* Wright, E.L. 9—75267
White, A., Polatajko, O.W. The coast effect in geomagnetic variations in South Australia 9—66610
White, A.A. Topics in dynamical meteorology. VII. Atmospheric energetics (I) 9—58064
White, A.A. Topics in dynamical meteorology. VII. Atmospheric energetics (2) 9—66780
White, A.D. Rapid interferometric examination of glass for index inhomogeneity 9—93207
White, A.M. Optical and infra-red characterisation of semiconductors 9—95846
White, C.L., Clausing, R.E., Heatherly, L. The effect of trace element additions on the grain boundary composition of Ir+0.3% W alloys 9—83309
White, C.W., Narayan, J., Appleton, B.R., Wilson, S.R. Impurity segregation by pulsed laser irradiation 9—82254
White, C.W., Narayan, J., Young, R.T. Laser annealing of ion implanted silicon 9—69126
White, C.W., Narayan, J., Young, R.T. Laser annealing of ion-implanted semiconductors 9—73202
White, C.W., Pronko, P.P., Wilson, S.R., Appleton, B.R., Narayan, J., Young, R.T. Effects of pulsed ruby-laser annealing on As and Sb implanted silicon 9—86805
White, C.W. *see* Appleton, B.R. 9—52255, 9—69127
White, C.W. *see* Clark, G.J. 9—60396
White, C.W. *see* Engstrom, H. 9—73914
White, C.W. *see* Lilleleht, L.U. 9—57495
White, C.W. *see* Narayan, J. 9—74025
White, C.W. *see* Wang, J.C. 9—69148
White, C.W. *see* Wilson, S.R. 9—52256, 9—69135, 9—73204
White, D. Refinement of synchrotron spectral tip calculations 9—49430
White, D. *see* Abram, I.I. 9—86852
White, D. *see* Clark, G. 9—62322, 9—96641
White, D. *see* Kohl, J.E. 9—51875
White, D.H. ISABELLE 9—63825
White, D.H., Sullivan, D. Social currents in weak interactions 9—53953
White, D.H. *see* Gibbard, B.G. 9—71756
White, D.N., Curry, G.R., Stevenson, R.J. The acoustic characteristics of the skull 9—96730
White, D.N.J., Morrow, C. Cyclic tetrapeptides. I. The calculated potential energy minima of cyclic tetrapeptides composed of small amino-acid residues 9—59527
White, D.R. *see* Greigarn, K. 9—93889
White, E. *see* Clark, G. 9—96641
White, F.E., Teas, D.C. References to contemporary papers on acoustics 9—86274
White, F.R., Clark, A.H., Graf, M.C., Grindle, S.P., Kazmerski, L.L. Growth of $CuInSe_2$ films using molecular beam epitaxy 9—78903
White, F.R., Clark, A.H., Graf, M.C., Kazmerski, L.L. Growth of $CuInSe_2$ on CdS using molecular beam epitaxy 9—56936
White, G.J., Macdonald, G.H. Time variations of interstellar water masers in H II regions 9—88725
White, G.J., Ricketts, M.J. X-ray variability of the quasar 3C 273 9—67112
White, G.O., Edmondson, C.A., Goldfarb, R.B., Patton, C.E. High field magnetization studies in lithium-zinc ferrite 9—82762
White, G.O., Patton, C.E., Edmondson, C.A. Temperature dependence of the parallel-pump spin-wave instability in porous yttrium iron garnet 9—78531
White, G.S., Lee, K.H., Crawford, J.H., Jr. Thermochemical coloration and annealing of spinel and magnesium oxide 9—91468
White, H.W. *see* Godwin, L.M. 9—56541
White, I.A. Radiation from bends in optical waveguides: the volume-current method 9—94336
White, I.A., Hutcheson, L.D., Burke, J.J. End-fire coupling between optical fibres and diffused channel waveguides: comment 9—86252
White, J. *see* McCaskill, T. 9—54110
White, J. *see* Pressley, H. 9—74140
White, J. *see* Siomos, K. 9—68899
White, J.C., Zdasiuk, G.A., Young, J.F., Harris, S.E. Observation of atomic-pair absorption with an incoherent source 9—63944
White, J.H. Environmental monitoring at the Lawrence Livermore Laboratory 9—85823
White, J.L. A plastic-viscoelastic constitutive equation to represent the rheological behavior of concentrated suspensions of small particles in polymer melts 9—60014
White, J.L., Zimmer, J.E. Twist disclinations in the carbonaceous mesophase 9—95010
White, J.L. *see* Dietz, W. 9—77047
White, J.M. *see* Campbell, C.T. 9—79294
White, J.M. *see* Lee, S.A. 9—64035
White, J.M. *see* Rogers, J.W., Jr. 9—82441
White, J.R. *see* Coxon, L.D. 9—57035
White, J.R. *see* Dickey, F.M. 9—59648
White, J.R. *see* Grush, W.H. 9—89440
White, J.R. *see* Perryman, J.L. 9—89446
White, J.S. *see* Ozisik, M.N. 9—93774
White, J.S. *see* Wright, A.L. 9—85598

White, J.T. *see* Raleigh, D.O. 9—100512, 9—100513
White, J.W. *see* Marlow, I. 9—60640
White, K.I., Nelson, B.P. Zero total dispersion in step-index monomode fibres at 1.30 and 1.55 μm 9—68428
White, K.O. *see* Watkins, W.R. 9—63992, 9—80010
White, L.R. *see* Saari, D.P. 9—52949
White, L.S. *see* Seabuagh, P.W. 9—85746
White, M. *see* Barber, D. 9—54289, 9—54346
White, M. *see* Barber, D.P. 9—89175, 9—97631
White, M.A., Morrison, J.A. Deductions about the structure of phase III from thermodynamic measurements on solid isotopic methanes 9—82193
White, M.A. *see* Johnston, R.P. 9—53287
White, M.E. Reservoir surface area from LANDSAT imagery 9—66834
White, M.G. *see* Thornton, G. 9—86009
White, M.H. *see* Schroder, D.K. 9—91146
White, M.M. *see* Shupe, M.A. 9—63485
White, N. *see* Middleditch, J. 9—62934
White, N.E. *see* Hutchings, J.B. 9—53934
White, N.E. *see* Pravdo, S.H. 9—84870, 9—92889
White, N.J. *see* Canto, J. 9—67081
White, N.M. θ^1 Tauri 9—67052
White, N.M. Lunar occultation of the Hyades and diameters of alpha Tauri and θ^1 Tauri 9—75253
White, O.R., Athay, R.G. Chromospheric oscillations observed with OSO 8. I. Basic measurements and analytical methods 9—62799
White, O.R., Athay, R.G. Chromospheric oscillations observed with OSO 8. III. Average phase spectra for Si II 9—62801
White, O.R. *see* Athay, R.G. 9—62800
White, O.R. *see* Grant Athay, R. 9—53785
White, P.C. *see* Petschek, A.G. 9—72912
White, R.B. *see* Lee, W.W. 9—86574
White, R.B. *see* Rechester, A.B. 9—60183
White, R.E., Gruebler, W., Jenny, B., Konig, V., Schmelzbach, P.A., Burgi, H.R. Analyzing power measurements in deuteron-proton elastic scattering 9—63653
White, R.E., Gruebler, W., Jenny, B., Konig, V., Schmelzbach, P.A., Burgi, H.R. Analysing power measurements in deuteron-proton scattering from 5 to 13 MeV 9—71833
White, R.G., Tretout, H. Acoustic emission detection using a piezoelectric strain gauge for failure mechanism identification in CFRP 9—96239
White, R.H. *see* Hodge, L.A. 9—79474
White, R.J., Fisher, S.B. The effect of mutual recombination on dislocation point defect sink strengths 9—73207
White, R.J., Fisher, S.B., Miller, K.M. The effect of foil surfaces on the loss of point defects from electron irradiated metal foils 9—73215
White, R.J. *see* Fisher, S.B. 9—51147, 9—73211, 9—99206
White, R.L. Polarization in reflection nebulae. I. Scattering properties of interstellar grains 9—53867
White, R.L. Polarization in reflection nebulae. II. Reflection of light from thick slabs 9—62881
White, R.M. *see* Sze-Hon Kwan 9—50563
White, R.S. Oceanic upper crustal structure from variable angle seismic reflection-refraction profiles 9—70761
White, S. Palaeo-stress estimates in the Moine Thrust Zone, Eriboll, Scotland 9—79835
White, S. *see* Ball, A. 9—60425
White, S.D.M., Silk, J. The growth of aspherical structure in the Universe: Is the Local Supercluster an unusual system? 9—92899
White, S.H., Burrows, S.E. Textural and microstructural development in a naturally deformed quartzite: a metallurgical approach 9—83228
White, T.A., Jr. *see* McGinley, P.H. 9—70643
White, T.O. *see* Pratap, M. 9—63512
White, T.R., Glaunsinger, W.S., Horowitz, H.S., Longo, J.M. Magnetic behavior of layered tetravalent manganese oxides 9—78339
White, T.R., Glaunsinger, W.S., Horowitz, H.S., Longo, J.M. Magnetic properties of the layered compounds $Ca_2Mn_3O_8$ and $Cd_2Mn_3O_8$ 9—91215
White, T.W., Kelly, S.A., Sturr, J.F. Large field early light adaptation 9—53117
White, W., Jr. Too big or too small [macrophotography] 9—49312
White, W.B. *see* Tsong, I.S.T. 9—65930
White, W.P., Pitzer, R.M., Mathews, C.W. The electronic states of carbon monofluoride. Rydberg states 9—59360
White, W.P. *see* Dunning, T.H., Jr. 9—59359
Whiteaway, J.E.A. *see* Thrush, E.J. 9—98383
Whited, R.C., Schieber, M.M. Cadmium telluride and mercuric iodide gamma radiation detectors 9—68156
Whitehead, C. *see* Jarvis, O.N. 9—86826
Whitehead, D.G., Palmer, S.B. A high-speed ultrasonic sing-around system 9—90101
Whitehead, G.K. A composite strain analysis of modular optical fibre cables 9—64351
Whitehead, J.A., Jr., Miller, A.R. Laboratory simulation of the gyre in the Alboran Sea 9—100846
Whitehead, J.C. *see* Connor, J.N.L. 9—57207, 9—74354
Whitehead, L.A. *see* Hardy, W.N. 9—50053
Whitehead, M.B., Russell, G.A. Determination of the hydrated cement content of portland cement concrete by DTA 9—79335
Whitehead, N.E. Methods of hair analysis by (p, X) spectrometry 9—87916
Whitehead, R.R. *see* Singhal, R.P. 9—75900
Whitehouse, C.R., Balchin, A.A. Polytpism in tin disulphide 9—77542
Whitehouse, S.B., Jewsbury, P. Theoretical analysis of thermal desorption 9—86976
Whitelaw, D.J., McLaughlin, I.L. Cluster effects in the electronic structure of a dense fluid 9—95305
Whitelaw, J.H. *see* Born, G.V.R. 9—62329
Whitelaw, J.H. *see* Crabb, D. 9—81941
Whitelaw, J.H. *see* El Banhawy, Y. 9—52664
Whitelaw, J.H. *see* Mishina, H. 9—89953
Whiteman, C.D., McKee, T.B. Air pollution implications of inversion descent in mountain valleys 9—62550
Whiteoak, J.B., Gardner, F.F. Evidence for the existence of a low-velocity molecular cloud near Sgr A 9—53898
Whiteoak, J.B., Gardner, F.F. Observations of the 5-GHz H_2CO absorption in directions towards the galactic centre region 9—84855
Whiteoak, J.B. *see* Gardner, F.F. 9—53719, 9—84838
Whitfield, G. *see* Young, E. 9—56143
Whitfield, R. *see* Esmen, N.A. 9—52784
Whitham, K. Earthquake prediction research in eastern Canada 9—62454
Whiting, E.E. *see* Yu, H.L. 9—60902
Whiting, L.F., Carr, P.W. Effect of thermal lag and measurement precision in differential scanning calorimetry: theoretical guidelines for enzyme-substrate reactions by the method of orthogonal collocation 9—74794
Whitley, J.E., Moyes, A.B., Bowden, P. Determination of rare earths in geological samples by neutron activation analysis 9—88492
Whitley, S. The uranium ultracentrifuge 9—49815
Whitlock, C.H., Witte, W.G., Usry, J.W., Gurganus, E.A. Penetration depth at green wavelengths in turbid waters 9—66832
Whitlock, P.A., Ceperley, D.M., Chester, G.V., Kalos, M.H. Properties of liquid and solid ^4He 9—82401
Whitlock, P.A., Kalos, M.H. Monte Carlo calculation of the radial distribution function of quantum hard spheres at finite temperatures 9—54005
Whitlock, P.A. *see* Ceperley, D.M. 9—65290
Whitlock, R.R. *see* Armstrong, C.M. 9—98944
Whitlock, R.R. *see* Ripin, B.H. 9—86596
Whitman, P.G., Pizzo, J.F. Rotating neutron stars in general relativity: exact solutions for the case of slow rotation 9—75239
Whitman, R.L., Day, R.H., Kruger, R.P., Stupin, D.M. Microradiographs of laser fusion targets: 2-D modelling and analysis 9—63804
Whitmarsh, J., Cramer, W.A. Cytochrome f function in photosynthetic electron transport 9—62206
Whitmarsh, R.B. The Owen Basin of the southeast margin of Arabia and the evolution of the Owen Fracture Zone 9—84217
Whitmell, D.S. *see* Armitage, B.H. 9—76249
Whitmell, D.S. *see* Tait, N.R.S. 9—76240
Whitmer, J.C. *see* Bakke, A. 9—59436
Whitmer, J.C. *see* Cyvin, B.N. 9—59433
Whitmer, J.C. *see* Cyvin, S.J. 9—81201
Whitmore, D.H. *see* Ammlung, R.L. 9—99363
Whitmore, J. *see* De Clercq, C. 9—89188
Whitmore, J. *see* Pratap, M. 9—63512
Whitmore, J. *see* Ward, C.P. 9—75803
Whitmore, J.E. *see* Liu, C.M. 9—73860
Whitmore, M.D., Carbotte, J.P. On H (and He) impurities in Al and Mg 9—51519
Whitmore, M.D., Carbotte, J.P., Shukla, R.C. Non-linear self-consistent screening applied to metallic hydrogen 9—95537
Whitmore, W.F. Electricity through the ocean depth 9—96482
Whitney, A.R. *see* Clark, T.A. 9—88920
Whitney, A.R. *see* Cotton, W.D. 9—53922
Whitney, C. *see* Breaux, H. 9—94303
Whitney, C. *see* Kozai, Y. 9—71049
Whitney, F., Jr. *see* Erickson, C.O. 9—88423
Whitson, J.C. *see* Molvig, K. 9—90408
Whitson, J.C. *see* Tsang, K.T. 9—94788
Whitson, J.C. *see* Whealton, J.H. 9—90472
Whittaker, A.Greenville *see* Greenville Whittaker, A.
Whittaker, E. *see* Mossberg, T.W. 9—98447
Whittaker, J. *see* Igo, G. 9—80916
Whittaker, R.G., Porter, R.J., Jr., Cullen, J.K., Jr. Ear dominance in perception of dichotic chords: pure tones versus tone glides 9—92225
Whitteker, J.H. *see* Moshupi, M.C. 9—70910
Whitten, C.A., Jr. *see* Adams, G.S. 9—80915
Whitten, C.A., Jr. *see* Ray, L. 9—63669
Whitten, E.H.T. *see* Attoh, K. 9—84495
Whitten, G.Z., Killus, J.P., Hogo, H., Dodge, M.C. Effects of solar energy distribution on photochemical smog formation 9—52983
Whittenburg, S.L., Wang, C.H. Raman scattering study of CS_2 in CCl_4 9—65850
Whittenburg, S.L. *see* Lund, P.-A. 9—51973
Whittet, D.C.B., Kilkenny, D. HD 36619—a metal-rich A-type star previously misclassified O7 9—84805
Whittingham, M.S. Intercalation chemistry and energy storage 9—100541
Whittington, J. *see* Millar-Craig, M.W. 9—53271
Whittington, K.R. Ultrasonic analysis of materials at elevated temperature 9—96242
Whittington, S.G. *see* Torrie, G.M. 9—95259
Whittington, S.G. *see* Wilker, J.B. 9—93047
Whittle, D. *see* Bresseleers, C. 9—57161
Whittle, D.P. *see* Allam, I.M. 9—83379
Whittle, M.J. *see* Coffey, J.M. 9—79196
Whitton, J.L. *see* Lewis, G.W. 9—51171
Whitton, W.N. *see* Kuntz, P.J. 9—52637
Whitworth, R.W. *see* Brissenden, S. 9—51193
Whyte, K.W. *see* Ball, A.P. 9—100936
Whytock, D.A., Timmons, R.B., Lee, J.H., Michael, J.V., Payne, W.A., Stief, L.J. Absolute rate of the reaction of $O(^3P)$ with hydrogen sulphide 9—66283
Whytock, D.A. *see* Lee, J.H. 9—66327
Whytock, D.A. *see* Michael, J.V. 9—52626
Wiart, R. *see* Bressan, J. 9—56089
Wiberg, K.B., Ellison, G.B., Wendoloski, J.J., Pratt, W.E., Harmony, M.D. Electronic states of organic molecules. VI. Dipole and quadrupole moments: The sign of the dipole moment for cyclopropene and the microwave spectrum of 3,3-dimethylcyclopropene 9—59440
Wichacheewa, P., Woodward, A.E. Kinetics of epoxidation of poly(trans-1,4-butadiene) crystals in suspension 9—61861
Wichansky, H. *see* Parker, T.E. 9—76923
Wichelhaus, W. The rare-earth oxide disulfides $La_2O_2S_2$, $Pr_2O_2S_2$, and $Nd_2O_2S_2$ 9—51087
Wichelhaus, W. *see* Hartwig, P. 9—65247, 9—73336
Wichelhaus, W. *see* von Alpen, U. 9—55922
Wichert, T. *see* Echt, O. 9—56702
Wichert, T. *see* Graf, H. 9—56677, 9—56688
Wichert, T. *see* Weidinger, A. 9—86817
Wichner, R.P., Botts, J.L. Fuel particle failure fractions in Peach Bottom HTGR fuel elements 9—67868
Wichner, R.P. *see* Haire, M.J. 9—67869
Wick, G.L., Castel, D. The Isaacs wave-energy pump: field tests off the coast of Kaneohe Bay, Hawaii, November 1976-March 1977 9—57354
Wick, K. *see* Anders, B. 9—75967
Wick, K. *see* Graubmann, S. 9—89317
Wicke, B.G., Shien-Pu Tang, Friichtenicht, J.F. Laser-vaporization source for chemical kinetics [metals] 9—100385
Wicken, J.S. The entropy gradient: a heuristic approach to chemical equilibrium 9—48991
Wickens, J. *see* De Clercq, C. 9—89188
Wickens, J.H. *see* Angelini, C. 9—67548
Wickens, L.M., Allen, J.E. Free expansion of a plasma with two electron temperatures 9—90377
Wickes, W.C. *see* Dube, R.R. 9—101225
Wickham, M., Fornaca, S. Method for numerically enhancing the resolution of certain types of detection systems 9—71440
Wickham, M. *see* Robertson, S. 9—49886
Wickham, M.D. *see* Grisham, D.L. 9—71997
Wickramasinghe, D.T., Bessell, M.S. Spectrophotometric observations of two southern magnetic white dwarfs 9—92765
Wickramasinghe, D.T., Martin, B. Cyclotron absorption in GD229? 9—53813
Wickramasinghe, D.T., Martin, B. The magnetic DA white dwarfs 9—71032
Wickramasinghe, D.T. *see* Visvanathan, N. 9—101176
Wickramasinghe, H.K. Contrast and imaging performance in the scanning acoustic microscope 9—55280
Wickramasinghe, H.K. *see* Quate, C.F. 9—98571
Wickramasinghe, D.T. *see* Visvanathan, N. 9—80322
Wicks, R., Blau, M. Effect of spatial distortion on Anger camera field-uniformity correction: concise communication 9—100721
Wicky, A.I. Charts for the quick determination of total intensity anomalies in the geomagnetic field, vertical gravity gradients and vertical gravimetric effects by means of horizontal plates 9—100982
Widdel, H.-U. Winter anomaly of radio wave absorption and D-region modification 9—58176
Wider, H.U. *see* Tentner, A.M. 9—85615
Wider, P. *see* Salemink, H.W.M. 9—51416
Widera, G.E.O., Logan, D.L. Layered cylindrical pressure vessels 9—64516
Widera, R. *see* Paulsen, A. 9—93613
Widgoff, M. *see* Brick, D. 9—58980
Widhopf, G.F. *see* Kramer, R.F. 9—53458
Widin, G.P., Viemeister, N.F. Intensive and temporal effects in pure-tone forward masking 9—92227
Widin, G.P., Viemeister, N.F. Short-term spectral effects in pure-tone forward masking 9—92228
Widing, K.G. *see* Dere, K.P.. 9—88633
Widing, K.G. *see* Hiei, E. 9—66991

Widkelmann, E. *see* Tran, M.T. 9—93665
Widman, J.C. *see* Morin, R.L. 9—81122
Widmer, A.E. *see* Hitchman, M.L. 9—91594
Widmer, R. *see* Knop, K. 9—90008
Widner, M.M., Goldstein, S.A., Mendel, C.W., Jr., Burns, E.J.T., Quintenz, J.P., Farnsworth, A.V., Jr. Observation of magnetically enhanced electron-beam-energy deposition 9—86591
Widner, M.M. *see* Farnsworth, A.V., Jr. 9—64622
Widner, M.M. *see* Olsen, J.N. 9—81076
Widom, A., Megaloudis, G. Critical angular velocities for two-dimensional superfluidity 9—99379
Widom, A. *see* Sokoloff, J.B. 9—86924
Widom, B. Structure of interfaces from uniformity of the chemical potential 9—60241
Widrow, B. A review of adaptive antennas 9—64467
Wiebe, H.A. *see* Lusis, M.A. 9—74565
Wiebe, R.A. Anorthositic dikes, southern Nain complex, Labrador 9—84246
Wiebelt, J.A., Henderson, J.B. Selected ordinates for total solar radiant property evaluation from spectral data 9—76954
Wiebicke, H.J. Calculation of three-body nuclear molecular states in ^{28}Si 9—75949
Wiebicke, H.J., Zhukov, M.W., Kurchatov, I.V. Quantum mechanical three-body approach to calculate ^{12}C-α-^{12}C nuclear molecular states 9—97692
Wiechert, H., Krienke, H., Feistel, R., Ebeling, W. Interionic forces and thermodynamics of electrolytes. II. Alkali halides in H_2O at 25°C 9—52688
Wiechert, H., Wupperfeld, G. The thermal expansion of helium II in restricted geometries 9—51333
Wiechert, H. *see* Lauter, H.J. 9—51332
Wiechert, H. *see* Lauter, H.-J. 9—86942
Wiechmann, B. *see* Hesse, J. 9—56640
Wieclawik, W.De *see* De Wieclawik, W.
Wieclawik, W.E., Vieu, Ch., Dionisio, J.S. Description of the properties of the odd isotopes of thallium, gold, iridium, and rhenium within the framework of the deformed basis model 9—80867
Wieczorek, E. *see* Geyer, B. 9—58965
Wieczorek, G.F. *see* Brabb, E.E. 9—88273
Wieczorek, G.F. *see* Harp, E.L. 9—88276
Wiedemann, B., Muhlig, P. Microscope-spectrophotometer for research on a single living cell in the visible region (400-750 millimicrons) 9—66588
Wiedemann, E. Simple catadioptric lens systems 9—76793
Wiedemann, W. *see* Bogner, L. 9—96725
Wiedenbeck, M.E. *see* Stone, E.C. 9—96864
Wiedenbeck, P. *see* Perez-Mendez, V. 9—66497
Wiedenmann, A., Burlet, P. Magnetic behaviour of imperfect quasi one dimensional insulators $FeMgBO_4$ and $FeMg_2BO_5$: spin glass systems? 9—61145
Wiedenmann, H.-M. *see* Esper, F.J. 9—70233
Wieder, H., Cardona, M., Guarnieri, C.R. Vibrational spectrum of hydrogenated amorphous Si-C films 9—61450
Wieder, H. *see* Samuelson, L. 9—59805
Wieder, H.H. *see* Washburn, H.A. 9—95525
Wieder, J., Aronson, S. Properties of Ge-Se-Te glasses 9—94904
Wiederhold, G. *see* Schubert, M. 9—86156
Wiederhorn, S.M., Lawn, B.R. Strength degradation of glass impacted with sharp particles. I. Annealed surfaces 9—61760
Wiederhorn, S.M. *see* Lawn, B.R. 9—66183
Wiedersich, H., Okamoto, P.R., Lam, N.Q. A theory of radiation-induced segregation in concentrated alloys 9—77633
Wiedersich, H. *see* Potter, D.I. 9—77647, 9—77650
Wiedmann, J., Penzkofer, A. Determination of the shape and duration of picosecond light pulses by bleaching of dyes 9—86220
Wiedmer, B. *see* Sparks, D.W. 9—50529
Wiedner, C. *see* Bolger, J. 9—85532
Wiedner, C.A. *see* Wust, P. 9—67709
Wiedner, C.-A. *see* Dehnhard, D. 9—63700
Wiegand, C. *see* Sperry, W.C. 9—94111
Wiegand, G. *see* Goldelius, R. 9—61821
Wiegel, F.W., Kox, A.J. Statistical mechanics of a macromolecular membrane 9—66456
Wiegel, F.W. *see* Michels, J.P.J. 9—98846
Wiegemann, H.-B. *see* Kowalski, J. 9—54385
Wiegman, T. *see* Paans, A.M.J. 9—54696
Wiegmann, J. *see* Mucke, U. 9—83409
Wiegmann, W. *see* Gibbs, H.M. 9—61454, 9—64314
Wiegmann, W. *see* Stormer, H.L. 9—65530
Wiehl, N. *see* Neumann, W. 9—93864
Wiehr, E. *see* Stellmacher, G. 9—71013
Wieker, W. *see* Smolin, Yu.I. 9—94996
Wiel, H.J.Van de *see* Van de Wiel, H.J.
Wiel, M.J.van der *see* van der Wiel, M.J.
Wiel, M.J.Van der *see* Van der Wiel, M.J.
Wiel, M.J.Van Der *see* Van Der Wiel, M.J.
Wieland, B.W., Highfill, R.R. Proton accelerator targets for the production of ^{11}C, ^{13}N, ^{15}O, and ^{18}F 9—53241
Wieland, B.W. *see* Highfill, R.R. 9—57774
Wieland, C. *see* Hymmen, U. 9—100699
Wieland, D.M., Swanson, D.P., Brown, L.E., Beierwaltes, W.H. Imaging the adrenal medulla with an I-131-labeled antiadrenergic agent 9—83910
Wieland, G. *see* Grunewald, D. 9—76116
Wieland, R.M. *see* Fulmer, C.B. 9—93657
Wieland, R.M. *see* Stokstad, R.G. 9—93656
Wielebinski, R. *see* Beck, R. 9—92853
Wielebinski, R. *see* Kronberg, P.P. 9—71119
Wielebinski, R. *see* Waldthausen, H. 9—58432
Wielinga, T. Torque measurement of magnetic thin films 9—95614
Wielke, B. Stress transients at changes of electron drag during plastic deformation of metals 9—61677
Wiemann, H.-J. *see* Hansgen, T. 9—74571
Wieme, W., Vanmarcke, M. Radiation imprisonment of the $1s_4$ resonance line in xenon 9—82115
Wieners, N., Peters, F., Merzkirch, W. Calibration of a linear pad resistor 9—68868
Wienhard, K. *see* Junghans, G. 9—75974
Wienke, B.R. *see* Alcouffe, R.E. 9—80970, 9—85099
Wienskowski, J.Von *see* Von Wienskowski, J.
Wierenga, P.E., Van Silfhout, A., Sparnaay, M.J. Reflectometric study of dangling-bond surface states and oxygen adsorption on the clean Si(117)7×7 surface 9—99600
Wieringen, J.S.Van *see* Van Wieringen, J.S.
Wierman, J.C. *see* Symthe, R.T. 9—49177
Wiernik, R. *see* Zakrzewski, M. 9—74327
Wiersma, D.A. *see* de Vries, H. 9—81229
Wiersma, D.A. *see* Hesselink, W.H. 9—95807
Wiersma, D.A. *see* Morsink, J.B.W. 9—76460, 9—86219
Wierzbanowski, K. Computer simulation study of texture transitions in FCC metals and alloys 9—90666
Wierzbicki, T. *see* Symonds, P.S. 9—64501
Wierzbicki, T. *see* Wojno, W. 9—50615
Wierzcholski, K. The estimation of solutions of the Navier-Stokes and energy equation for a flow of oil through the gap of a journal bearing 9—55353
Wiescher, M. *see* Hammer, J.W. 9—54736
Wiese, J. *see* Benner, H. 9—51843
Wiesel, T.N. *see* Gilbert, C.D. 9—74655
Wiesel, T.N. *see* Hubel, D.H. 9—96557
Wiesenfeld, J.R. *see* Amimoto, S.T. 9—94047
Wiesenfeld, J.R. *see* Hemenway, C.P. 9—68238
Wiesenfeld, J.R. *see* Lindeman, T.G. 9—64059
Wieser, E. *see* Mager, S. 9—56520
Wieser, H. *see* Duckett, J.A. 9—76427
Wiesler, A. *see* Honerkamp, J. 9—58873
Wiesmann, H., Ghosh, A.K., McMahon, T., Strongin, M. A-Si:H produced by high-temperature thermal decomposition of silane 9—87585
Wiesmann, H. *see* Ghosh, A.K. 9—82694
Wiesner, L. New impetus for radionuclide techniques 9—96231
Wieters, K.P. *see* Busse, H. 9—91602
Wieters, W. *see* Astholz, D.C. 9—79236
Wiethaup, W. *see* Kiessig, H. 9—78260
Wieting, D.W. *see* Dellsperger, K.C. 9—92430
Wieting, J. *see* Beyer, B. 9—96073
Wieting, T.J., DeRosa, J.L. Effects of surface condition on the infrared absorptivity of 304 stainless steel 9—56754
Wiffen, R.D. *see* Chamberlain, A.C. 9—70491
Wigand, M. *see* Gladisch, M. 9—56446
Wigand, M. *see* Herlach, D. 9—56701
Wigand, M. *see* Metz, H. 9—56693
Wigeland, R.A., Ahmed, M., Nagib, H.M. Vorticity measurements using calibrated vane-vorticity indicators and cross-wires 9—60074
Wigen, P.E. Magnetic excitations 9—99695
Wigen, P.E. *see* Dean, B.A. 9—78527
Wigen, P.E. *see* Dotsch, H. 9—73787
Wigen, P.E. *see* Garvin, R.W. 9—73804
Wigen, P.E. *see* Hart, S.C. 9—73821
Wigen, P.E. *see* Krahn, D.R. 9—78464
Wigen, P.E. *see* Limaye, P.S. 9—78456
Wigen, P.E. *see* Mier, M.G. 9—78462
Wigen, P.E. *see* Omaggio, J.P. 9—78461, 9—78476
Wigen, P.E. *see* Summers, H.R. 9—78447
Wigen, P.E. *see* Yen, P. 9—78532
Wiggers, L.W., Saris, F.W. Displacement of impurities in Si by irradiation with energetic H^+ or He^+ particles 9—86824
Wiggert, D.C., Sundquist, M.J. The effect of gaseous cavitation on fluid transients 9—77194
Wiggins, J.W., Zubin, J.A., Beer, M. High-resolution scanning transmission electron microscope at Johns Hopkins 9—58848
Wiggins, P.F. *see* Duffey, D. 9—63820, 9—96401
Wiggins, R.A., Frazier, G.A., Sweet, J., Apsel, R. Modeling strong motions from major earthquakes 9—88296
Wiggins, R.A. *see* Larner, K.L. 9—92500
Wiggins, R.H. Low cost speech synthesis 9—90097
Wiggins, T.A., Carrieri, A.H. Reflectivity changes of Ge due to illumination by beams of unequal frequency 9—76749
Wiggins, T.A., Qualey, J.R., III Temporary diffraction gratings on the surface of indium arsenide 9—59801
Wightman, F.L. *see* Grantham, D.W. 9—88080
Wightman, J.P. *see* Bailey, R.R. 9—73398
Wigle, E.D. *see* Tsotsos, J. 9—70632
Wigley, R. *see* Newport, R.W. 9—63834
Wignacourt, J.-P. *see* Mairesse, G. 9—73145
Wignall, J.W.G. *see* Kasper, P. 9—93447
Wignall, J.W.G. *see* Rangaswamy, T.N. 9—54351
Wigton, J.S. Review of the literature on intraocular lenses 1976-1977 9—96707
Wiik, B.H. Experimentation at LEP 9—97613
Wiik, B.H., Wolf, G. Electron-positron interactions 9—80833
Wiik, B.H. *see* Brandelik, R. 9—63491, 9—93441
Wijaendts van Resandt, R.W. Rainbows, interference, and diffraction in collisions between ions and atoms 9—50110
Wijeyesekera, S.D., Kushick, J.N. Velocity correlations in a family of simple soft core liquids 9—94857
Wijeysundera, N.E. Transient energy removal in cylindrical parabolic collector systems 9—52906
Wijeysundera, N.E. Comparison of transient heat transfer models for flat plate collectors 9—83632
Wijgert, W.M.van de *see* van de Wijgert, W.M.
Wijk, R.van *see* van Wijk, R.
Wijkstra, J., Van Der Sloot, H.A. The determination of manganese in seawater, surface water and rainwater by neutron activation analysis 9—74584
Wijn, H.W.de *see* de Wijn, H.W.
Wijnaendts Van Resandt, R.W. *see* de Vreugd, C. 9—72403, 9—86027, 9—98186
Wijnakker, M.M.B., Granneman, E.H.A., Kistemaker, J. A study of a weakly ionized rotating plasma 9—82122
Wijnbergen, J. *see* Courtin, R. 9—75151
Wijnbergen, J. *see* Serra, G. 9—88742
Wijngaarden, L.van *see* van Wijngaarden, L.
Wijngaarden, L.Van *see* Van Wijngaarden, L.
Wijnhoven, G.P.J. *see* Kivits, H.P.M. 9—87915
Wikander, G. The influence of chlorine substituted benzenes on the formation of positronium in solutions of cyclohexane and 2,2,4-trimethylpentane 9—50170
Wikander, G. Positronium formation in nonpolar solvent. A comparative study of the influence of chlorinated ethanes, ethenes and cyclohexanes on the yields of o-Ps 9—70357
Wikberg, T. *see* Bell, M. 9—93413
Wiksell, G. *see* Edenius, M. 9—81039
Wiktor, S., Mayer-Boricke, C., Kiss, A., Rogge, M., Turek, P. High energy alpha scattering used to study the uniqueness and shape of the optical potential 9—97719
Wiktor, S. *see* Jasielska, A. 9—80873
Wiktorczyk, T., Wesolowska, C. Dielectric properties of ytterbium oxide films deposited by electron beam evaporation 9—91339
Wilber, S.A. *see* Geller, S. 9—82382
Wilbraham, A.C. A fire fighting experience as a laboratory experiment 9—48995
Wilbur, S.M. *see* Dettman, G.L. 9—100739
Wilburn, N.P. *see* Yung, S.C. 9—54481
Wilcke, W.W. *see* Breuer, H. 9—76020
Wilcke, W.W. *see* Hilscher, D. 9—93591, 9—93653
Wilcomb, B.E. *see* Dagdigian, P.J. 9—98200
Wilcox, B.A. *see* Clauer, A.H. 9—66113
Wilcox, C. *see* Frost, H. 9—62343
Wilcox, C.H. Uniqueness theorems for displacement fields with locally finite energy in linear elastostatics 9—97201
Wilcox, D.M. Peak detection methods for scanning optical sensor systems 9—81380
Wilcox, D.M. *see* Tippets, R.D. 9—76615
Wilcox, J.M. Tropospheric circulation and interplanetary magnetic sector boundaries followed by MeV proton streams 9—53491
Wilcox, J.M., Scherrer, P.H., Svalgaard, L. Intensity of tropospheric circulation associated with solar magnetic sector boundary transits 9—74936
Wilcox, J.M. *see* Duvall, T.L., Jr. 9—66978
Wilcox, R.E. *see* Mullineaux, D.R. 9—66726
Wilcox, W.R. *see* Chang, C.E. 9—66002
Wilcox, W.R. *see* Chen, P.S. 9—74074
Wilczek, F. *see* Gross, D.J. 9—63385
Wilczek, F. *see* Ling-Lie Chau Wang 9—97619
Wilczek, F. *see* Toussaint, D. 9—49136
Wilczynski, H. *see* Hand, L. 9—75979
Wilczynski, J. *see* Kamermans, R. 9—49637
Wilczynski, J. *see* Siwek-Wilczynska, K. 9—71862
Wild, E., Mack, K.J. Lubrication of nuclear reactor components. Friction systems in liquid sodium and argon 9—59176
Wild, J.M. *see* Cabot, J.B. 9—92211
Wild, L.W.J., Spicer, B.M. Partial wave analysis of the ^{18}O(p,α_0)^{15}N reaction 9—93609
Wild, P. Eruptive variable in Andromeda 9—101163
Wild, R. *see* Merrick, M.V. 9—100703
Wild, R.K. *see* Allen, G.C. 9—61787
Wild, R.L. *see* Chroboczek, J. 9—95412
Wild, R.L. *see* Everett, G.E. 9—58485
Wild, R.L. *see* Fischer, F. 9—58491
Wild, W. *see* Fitting, H.-J. 9—51702, 9—99994
Wilde, J.de *see* de Wilde, J.

Wilde, P., Sawicki, A., Matulewicz, Z. Numerical analysis of large elastic deflections of cylindrical shells 9—98613
Wilde, R.E. Raman spectra of ordered crystalline ethane 9—73942
Wilde, R.E., Cohen, S.S. Vibrational dephasing of heavy phosphine in the liquid and plastic crystalline states 9—69036
Wilde, W.de *see* de Wilde, W.
Wilden, D.G., Comer, J. High-resolution electron energy-loss spectroscopy of ethylene: analysis of the vibrational structure of the triplet ($\pi \rightarrow \pi^*$) state 9—72432
Wilden, D.G., Hicks, P.J., Comer, J. High resolution studies of dipole-forbidden states of N_2 using low-energy electron energy-loss spectroscopy 9—59588
Wildenthal, B.H. *see* Bernas, M. 9—67661
Wildenthal, B.H. *see* Nann, H. 9—67660
Wilder, D.G. *see* Frymoyer, J.W. 9—74708
Wilder, D.G. *see* Pope, M.H. 9—96607
Wilder, R. *see* Beth, A.H. 9—98124
Wildervanck, A. Pulsed microwave-diathermy 9—83849
Wildes, D.G. *see* Van Degrift, C.T. 9—63223
Wilding, M.A. *see* Capaccio, G. 9—56996
Wildman, P.J.L. *see* Ahmed, M. 9—53645
Wildman, P.J.L. *see* Rich, F.J. 9—70917
Wildt, G.J.van der *see* van der Wildt, G.J.
Wiles, P.G., Abrahamson, J. Carbon fibre layers on arc electrodes. I. Their properties and cool-down behaviour 9—52245
Wiley, C.L. *see* Fradin, F.Y. 9—82710
Wiley, P.H. *see* Meadows, D.N. 9—80590
Wiley, R.L. *see* Ball, A.P. 9—100936
Wiley, R.W. *see* Pinchak, A.C. 9—92458
Wilf, J., Ben-Naim, A. Intramolecular hydrophobic interaction in light and heavy water 9—66333
Wilfing, A. *see* Badurek, G. 9—50950
Wilford, D.F. *see* Hedgcock, F.T. 9—61157
Wilford, D.F. *see* Strom-Olsen, J.O. 9—61059
Wilhelm, E. *see* Grolier, J.-P.E. 9—66328
Wilhelm, H.E. Lagrangian and Hamiltonian formulations of compressible hydrodynamics 9—94581
Wilhelm, H.E. Statistical ionization equilibrium in partially degenerate plasmas 9—94813
Wilhelm, H.E. *see* Choi, S.H. 9—68819
Wilhelm, J., Winkler, R. Relaxation of the electron velocity distribution function in a homogeneous field with elastic and inelastic collisions. III. Onset of periodic electron component behaviour in a highly modulated electric field 9—64935
Wilhelm, J., Winkler, R. Investigations concerning the electron-ensemble in a nonisothermal low ionized plasma under the influence of a high-frequency electric field 9—77383
Wilhelm, R.V., Jr., Howarth, D.S. Iron oxide-doped yttria-stabilized zirconia ceramic: iron solubility and electrical conductivity 9—99354
Wilhelm, S.M., Yun, K.S., Ballenger, L.W., Hackerman, N. Semiconductor properties of iron oxide electrodes 9—91093
Wilhelm, W. *see* Bergmann, R. 9—68335
Wilhelmi, B. *see* Schubert, M. 9—86208
Wilhelmi, Z. *see* Szeflinska, G. 9—75902
Wilhelmova, L., Cejnar, F. Radioactive krypton and xenon in the fuel cycle of nuclear power stations 9—49707
Wilhelmson, R.B., Klemp, J.B. A numerical study of storm splitting that leads to long-lived storms 9—58032
Wilhem, D.P., Ratwani, M.M. Application of the R-curve concept to fatigue crack growth 9—61733
Wilhem, D.P. *see* Ratwani, M.M. 9—68656
Wilhoit, R.C. *see* Chen, S.S. 9—76410
Wilk, L., MacDonald, A.H., Vosko, S.H. Calculations of the spin susceptibilities and their volume dependence for Li, Na, and K 9—95569
Wilk, R. *see* Petela, R. 9—74385
Wilk, S.R. *see* Feld, M.S. 9—88792
Wilkening, G., Hesse, J. Host NMR spin lattice relaxation in dilute CuFe 9—51873
Wilkenloh, F.N. *see* Dobson, P.J. 9—94362
Wilkens, L.A. *see* Henson, B.L. 9—88092
Wilkens, M. Identification of small defect clusters in particle-irradiated crystals by means of transmission electron microscopy 9—69108
Wilker, J.B., Whittington, S.G. Extension of a theorem on super-multiplicative functions 9—93047
Wilkerson, G.W. *see* Lytle, J.D. 9—76771
Wilkerson, L.S. *see* Beth, A.H. 9—98124
Wilkerson, T.D. *see* Frazier, G.F. 9—49328
Wilkes, P. Phase stability under irradiation—a review of theory and experiment 9—77722
Wilkes, P., Kulcinski, G.L. Heavy-ion irradiation of a Ti-6 Al-4 V alloy 9—55795
Wilkes, P. *see* Liou, K.Y. 9—86786
Wilkes, R.J. The technology of small emulsion chambers: a review 9—59300
Wilkes, R.J. *see* Hand, L. 9—75979
Wilkie, C.A., Ehlert, T.C., Haworth, D.T. A solid state ^{13}C-NMR study of diamonds and graphites 9—51862
Wilkie, T. Dounreay rebuilds its reprocessing plant safely and economically 9—71934
Wilkin, C. Amplitude analysis in pion-nucleus scattering 9—85544
Wilkin, C. *see* Germond, J.-F. 9—76025
Wilkins, B.J.S. A study of slow crack growth in granite and its application to nuclear waste disposal in hard rock 9—89452
Wilkins, C.L. *see* Kaberline, S.L. 9—52795
Wilkins, C.L. *see* Randic, M. 9—50156, 9—50157, 9—59326, 9—59336
Wilkins, C.W., Gill, G.P. The preparation of low defect density LPE garnet films for magnetic bubble device fabrication 9—87590
Wilkins, J.W. *see* Kukkonen, C.A. 9—95351
Wilkins, K., Reese, L. Myocardial scans and wall motion studies using Tc-99m pyrophosphate in suspected acute myocardial infarctions 9—96654
Wilkins, R.J. The non-random distribution of pyrimidine dimers in ultra-violet-irradiated DNA 9—96628
Wilkins, R.L. Mechanisms of energy transfer in the deuterium fluoride system 9—64079
Wilkins, R.L., Kwok, M.A. Temperature dependence of $HF(v_1=1)+HF(v_2=0)$ vibrational relaxation 9—50069
Wilkinson, C.D.W. *see* Yan, A.Yi. 9—50387
Wilkinson, D., Bias, F.A. Exact SU(N) monopole solutions with spherical symmetry 9—71626
Wilkinson, D. *see* Thacker, H.B. 9—85229
Wilkinson, D. *see* Rho, M. *(editor)* 9—97661
Wilkinson, D.H. Symmetries and nuclei 9—80883
Wilkinson, D.S. *see* Routbort, J.L. 9—49681
Wilkinson, D.T. *see* Dube, R.R. 9—101225
Wilkinson, E.C., Chang, N., Cobb, E., Kim, Y.I., Johnson, R.N. A simplified programmable calculator conversion for online measurement of miniature endplate-potential amplitudes 9—84051
Wilkinson, J.P.T. *see* Burrows, J.P. 9—94020
Wilkinson, M.K. Crystallographic contributions to the energy problem 9—96429
Wilkinson, P.N., Readhead, A.C.S., Anderson, B., Purcell, G.H. VLBI observations of compact radio sources at 609 megahertz 9—101209
Wilkinson, S.J. *see* Reynolds, W.N. 9—52545
Wilks, J. *see* Thornton, A.G. 9—79126
Wilksch, P.A. *see* Jacka, F. 9—58143
Will, C.M. Experimental tests of general relativity 9—93031
Will, C.M. *see* Wagoner, R.V. 9—71347
Will, C.M. *see* Walker, M. 9—88574, 9—88575
Will, G. *see* Cemic, L. 9—93162
Will, G. *see* Honigschmid, J. 9—87258
Will, G. *see* Kirfel, A. 9—55702
Will, G. *see* Wegener, W. 9—78361
Willard, H. *see* Cverna, F. 9—85315
Willard, H.B., McNaughton, M.W., Bevington, P.R., Winkelmann, E., Baer, H.W., Cverna, F., Chamberlin, E.P., Jarmer, J.J., King, N.S.P., Simmons, J.E. Proton-proton elastic scattering spin correlative parameter $A_{nn}(\theta)$ at 643 and 796 MeV 9—63502
Willard, J.E. *see* Bremer, N. 9—52720
Willard, J.E. *see* Dismukes, G.C. 9—52722
Willard, J.E. *see* Paraszczak, J. 9—83480
Willars, M.J. *see* Allen, P.D. 9—83384
Willcott, M.R., III *see* Sims, R.W. 9—70316
Willcutt, G.J.E., Gido, R.G. Comparison of CONTEMPT-LT calculations with Marviken experiments 9—49737
Wille, K. Damping of coherent transverse oscillations in PETRA 9—72142
Wille, K. *see* Bothe, W. 9—68000
Wille, P., Bunemann, D., Lahann, H.J., Mertins, H. Hydrogen diffusion in metals measured by neutron scattering and absorption 9—60556
Wille, U. *see* Fritsch, W. 9—72334
Willebrand, J. Temporal and spatial scales of the wind field over the North Pacific and North Atlantic 9—79942
Willeke, F. *see* von Hartrott, M. 9—73849
Willeke, K., Pavlik, R.E. Secondary effects in particle-size classification by opposing jets 9—70383
Willem Monster, A., O'Connor, D., Chan, H. Rapid scanning of ambulatory EKG recordings using several computers operating in parallel 9—62389
Willemot, E., Dangoisse, D., Bellet, J. Microwave spectrum of the vibrational excited states ν_6 and ν_8 of formic acid. Contribution to the assignment of the formic acid submillimeter laser 9—93987
Willemot, E. *see* Dangoisse, D. 9—72304
Willems, V.H. Operating experiences—the designer point of view 9—89456
Willemse, M.W.M., Caspers, W.J. Electrical conductivity of polycrystalline materials 9—99521
Willemse, M.W.M. *see* van de Braak, H.P. 9—78293
Willemsen, H.W. *see* Gray, K.E. 9—56413
Willemsen, J.F. Hadronic wave equations from lattice gauge theories: the breathing modes on a restricted lattice 9—97586
Willen, D.E. *see* DeWitt, R.J. 9—63479
Willency, R.A. *see* Barker, R.E., Jr. 9—69291
Willer, J., Moser, J. High-pressure cell for resistivity measurements up to 13 GPa at low temperatures 9—80637
Willerson, J. *see* Twieg, D. 9—83896
Willertz, L.E., Santhanam, A.T. Observations of an unusual type of slip in fatigued copper specimens 9—100258
Willett, G.D. *see* Baer, T. 9—66274
Willett, J.B. *see* Ling, J.C. 9—92829
Willett, J.C. Fair weather electric charge transfer by convection in an unstable planetary boundary layer 9—58037
Willett, J.E., Bilikmen, S. Stimulated backscattering of electromagnetic waves from electrostatic waves in a magnetized plasma 9—90413
Willett, J.E., Bilikmen, S., Maraghechi, B. Electromagnetic wave backscattering across a magnetic field in a bounded plasma 9—90415
Willett, P. *see* Bawden, D. 9—83541
Willett, R.D. *see* Kirkwood, B. 9—90635
Willett, R.D. *see* Landee, C.P. 9—61077, 9—82766
Willi, O., Raven, A., Rumsby, P.T. Self-generated magnetic fields in laser produced plasmas 9—77423
Willi, O. *see* Raven, A. 9—82041
Williams, A.L. *see* Haughton, V.M. 9—92363
Williams, A.R., Kubler, J., Gelatt, C.D., Jr. Cohesive properties of metallic compounds: augmented-spherical-wave calculations 9—94952
Williams, A.R. *see* Knapp, J.A. 9—69572
Williams, B. *see* Halonen, V. 9—69898
Williams, B.A. *see* Fryer, T.B. 9—74796
Williams, B.G. A note on the limits of stability for the restricted problem of three bodies as applied to the Sun-Earth-Moon system 9—75084
Williams, B.G. *see* Weyrich, W. 9—89588
Williams, B.W. *see* Curtis, P.M. 9—96292
Williams, C. *see* Boue, F. 9—50956
Williams, C.C., Sodd, V.J., Branson, B.M. Evaluation of radiation exposure from an automated Tc-99m dispensing system 9—96663
Williams, C.E. *see* Nierlich, M. 9—77484
Williams, C.J.H. *see* Crabb, R.L. 9—52939
Williams, C.J.H. *see* Newns, M. 9—96885
Williams, C.M., Koon, N.C., Das, B.N. Spin reorientations in single crystal $HoAl_2$ 9—73724
Williams, C.M. *see* Entine, G. 9—49351
Williams, C.P., Cerrina, F., McGovern, I.T., Lapeyre, G.J. Surface structure effects via photoexcited core electron diffraction for Na on Ni 9—74063
Williams, D., Mukherjee, D. High mobility polycrystalline layers of PbTe produced by molecular beam deposition 9—83138
Williams, D. *see* Sethna, P.P. 9—91421
Williams, D.E.G. *see* Aoki, Y. 9—86741
Williams, D.F. *see* Chabr, M. 9—87044
Williams, D.F. *see* Chabr, W. 9—78016
Williams, D.F. *see* Funfschilling, J. 9—69879
Williams, D.F. *see* Gonzalez-Basurto, J. 9—82644
Williams, D.F. *see* Grzybowski, J.M. 9—99921
Williams, D.F. *see* Webb, J.B. 9—99564
Williams, D.J. Magnetopause characteristics inferred from three-dimensional energetic particle distributions 9—53669
Williams, D.J. Observations of significant magnetosheath antisolar energy flow 9—80088
Williams, D.J. *see* Lachish, U. 9—100360
Williams, D.J. *see* Milne, J.W. 9—88021
Williams, D.J. *see* Trefall, H. 9—101013
Williams, D.L. *see* Hamilton, G.W. 9—88170
Williams, D.N. Bounds for the cutoff, Euclidean: Φ^4: perturbation expansion 9—71630
Williams, D.N. New mathematical proof of the uncertainty relation 9—84888
Williams, D.N. *see* Brewer, D.F. 9—51388
Williams, D.R., Hislop, J.S., Mead, A.P., Sanders, T.W., Wood, D.A. Determination of trace levels of oxygen by gamma-photon activation 9—87910
Williams, D.R., Stenhouse, I.A. A CARS system for the study of liquids and gases 9—97444
Williams, D.R. *see* Stenhouse, I.A. 9—72561
Williams, D.R.W. *see* Goldsmith, P.F. 9—58036
Williams, D.T. *see* Otson, R. 9—92114
Williams, D.T. *see* Pokorny, J. 9—57657
Williams, E., Jr. *see* Stevenson, G.R. 9—96296
Williams, E.D., Weinberg, W.H. The geometric structure of carbon monoxide chemisorbed on the ruthenium (001) surface at low temperatures 9—51429
Williams, E.D. *see* Chan, C.-M. 9—56050, 9—60619, 9—77880
Williams, E.D. *see* Thiel, P.A. 9—77917
Williams, E.D.F., Payne, B.W. Transmission in the conventional scanning electron microscope 9—71579
Williams, E.D.F., Payne, B.W. What STEM can do for biologists 9—74821
Williams, E.D.F. *see* Payne, B.W. 9—71578
Williams, E.G.H. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Williams, E.M. *see* Vaughan Watkins, R.S. 9—65964
Williams, E.R., Olsen, P.T. New measurement of the proton gyromagnetic ratio and a derived value of the fine-structure constant accurate to a part in 10^7 9—71674

Williams, E.T. *see* Bauman, S.E. 9—100470
Williams, E.W. Gold ion plating: a recently developed coating process 9—66186
Williams, E.W., Jones, K., Bell, J.M., Teer, D.G. Structural studies of ion-plated metal films on plastics 9—82501
Williams, E.W. *see* Gunner, C.W. 9—100644
Williams, F. *see* Bluyssen, H.J.A. 9—87151
Williams, F. *see* Morton, J.R. 9—76453
Williams, F.A. *see* Clavin, P. 9—50813
Williams, F.A. *see* Linan, A. 9—83458
Williams, F.L., Nelson, G.C. Surface composition of Pt/Rh alloys 9—82422
Williams, F.W. Simple buckling and vibration analyses of beam or spring connected structures 9—72843
Williams, G., Johns, M., Price, C., Hiltner, A., Boley, F., Maker, S., Mook, D. Optical counterpart of 2A 0311-227 9—101222
Williams, G. *see* Cochrane, R.W. 9—69680
Williams, G. *see* Moberly, L.A. 9—61055
Williams, G. *see* Roshko, R.M. 9—73491, 9—99530
Williams, G. *see* Ross, R.N. 9—51553
Williams, G.A., Putterman, S.J. Pressure release sound modes in He II 9—51331
Williams, G.A., Rosenabum, R., Eaton, H., Putterman, S. Two-phase sound in superfluid ^{3}He-^{4}He mixtures 9—86958
Williams, G.A., Rosenbaum, R., Rudnick, I. Fifth sound in superfluid ^{4}He and ^{3}He-^{4}He mixtures 9—60569
Williams, G.A. *see* Gordon, M.J.V. 9—55968
Williams, G.J. Studies on the effect of particle size on some properties of dental stone 9—79077
Williams, G.J. *see* Swartz, W.E. 9—75140
Williams, G.P. Bank-full discharge of rivers 9—88381
Williams, G.P., Lapeyre, G.J., Anderson, J., Dietz, R.E., Yafet, Y. 4f core threshold effects in photoemission from Pt 9—83096
Williams, G.P. *see* Margaritondo, G. 9—83094
Williams, G.P., Jr., Turner, T.J. Triboluminescence in single crystal alkaline earth oxides 9—52031
Williams, H.H. *see* Entenberg, A. 9—54333
Williams, I.H., McKenna, J., Sims, L.B. On the treatment of torsional coordinates in vibrational analyses 9—93977
Williams, I.P. A survey of current problems in planetary cosmogony 9—84685
Williams, I.P. *see* Donnison, J.R. 9—66931
Williams, I.P. *see* Handbury, M.J. 9—88586
Williams, I.P. *see* Simons, S. 9—58391, 9—62772
Williams, I.P. *see* Simpson, I.C. 9—53872
Williams, J. *see* Niehaus, F. 9—83640
Williams, J.B., Fleck, E.W., Hellier, L.E., Uhlenhopp, E. Viscoelastic studies on Tetrahymena macronuclear DNA 9—100570
Williams, J.C. *see* Plichta, M.R. 9—74163
Williams, J.D.H. *see* Kemp, A.L.W. 9—79419
Williams, J.D.H. *see* Manning, P.G. 9—74917
Williams, J.E.C. *see* Bromberg, L. 9—89500
Williams, J.E.C. *see* Cohn, D.R. 9—71965, 9—71971
Williams, J.E.C. *see* Jassby, D.L. 9—71962
Williams, J.F., Stouffer, D.C. An estimate of the residual stress distribution in the vicinity of a propagating fatigue crack 9—70146
Williams, J.F. *see* Stouffer, D.C. 9—68653
Williams, J.G. Stringlike solitons in toroidal coordinates 9—53988
Williams, J.G. Reply to 'Comments on "A model of fatigue crack growth in polymers" ' 9—70161
Williams, J.G. *see* Mai, Y.W. 9—79079
Williams, J.J., Knoll, G.F. Initial performance of SPRINT: a single photon system for emission tomography 9—66523
Williams, J.J., Snapp, W.P., Knoll, G.F. Introducing SPRINT: A single photon ring system for emission tomography 9—53220
Williams, J.L. *see* Dunn, T.S. 9—49870
Williams, J.M. Progress in fusion reactor design and technology 9—71958
Williams, J.M., Schultz, A.J. Modulated structures in inorganic one-dimensional metals 9—94968
Williams, J.M. *see* Broach, R.W. 9—89801
Williams, J.M. *see* Carneiro, K. 9—99538
Williams, J.M. *see* Pearson, D.I.C. 9—87340, 9—91321
Williams, J.M. *see* Wood, D.J. 9—69504, 9—78087
Williams, J.O. Singlet and triplet excitons as probes for chemical reactivity 9—74406
Williams, J.O., Sworakowski, J. On the importance of local centres in the switching and other high field effect in organic materials 9—73548
Williams, J.R. A sediment graph model based on an instantaneous unit sediment graph 9—53394
Williams, J.R. *see* Miller, T.G. 9—89915
Williams, J.S., Brown, W.L., Poate, J.M. Channeling analysis of CW argon laser annealed, As^+-implanted silicon 9—73186
Williams, J.S. *see* Barnes, P.A. 9—73585
Williams, J.S. *see* Bean, J.C. 9—56082, 9—69372
Williams, J.S. *see* Grant, W.A. 9—87911
Williams, J.S. *see* Paine, B.M. 9—73184
Williams, K. *see* Collares-Pereira, M. 9—62112
Williams, K.A., Liles, D.R. TRAC calculations of ECC bypass phenomena in a 1/15-scale experimental facility 9—49725
Williams, K.A. *see* Pyun, J.J. 9—89433
Williams, K.E., Seaborg, G.T. New isotope ^{242}Bk 9—67716
Williams, K.R., Cane, B.J. Creep behaviour of $^1/_2$Cr$^1/_2$Mo$^1/_4$V steel at engineering stresses 9—74218
Williams, K.R., Jacobi, S.A. A method for the determination of HCl in ambient air at the ppbv level 9—74579
Williams, L.D. Ice-sheet initiation and climatic influences of expanded snow cover in Arctic Canada 9—66724
Williams, M. *see* Kriegsmann, G.A. 9—64338
Williams, M.D., Wecksung, M.J., Leonard, E.M. Computer simulation of the visual effects of smoke plumes 9—66429
Williams, M.D. *see* Ehlers, K.W. 9—89039
Williams, M.E.W. Flamsteed's alleged measurement of annual parallax for the Pole Star 9—88786
Williams, M.H., Bienkowski, G.K. Structure of a heavy ion shock in a weakly ionized gas 9—60006
Williams, M.L. *see* Derwent, R.G. 9—62552
Williams, M.L. *see* Ingersoll, D.T. 9—54562
Williams, M.M.R. The spatial dependence of the energy spectrum of slowing down particles. I. Applications to reactor physics and atomic sputtering 9—65129
Williams, M.M.R. The statistical distribution of coagulating droplets 9—74425
Williams, M.M.R. The role of the Boltzmann transport equation in radiation damage calculations 9—77653
Williams, M.M.R. The slowing down of fast atoms in a uniform gas 9—98196
Williams, M.M.R. *see* Galliara, J. 9—76046
Williams, M.R., Fetter, A.L. Textures in slowly rotating ^{3}He-A 9—95236
Williams, M.W., Arakawa, E.T. Optical properties of crystalline MgF_2 from 115 nm to 400 nm 9—78640
Williams, M.W., Ashley, J.C., Kretschmann, E., Callcott, T.A., Chung, M.S., Arakawa, E.T. Splitting of surface-plasmon emission spectra from potassium 9—99954
Williams, M.W. *see* Haltom, T.L. 9—65940
Williams, N. *see* McEuen, A. 9—100802
Williams, O.M., Carden, P.O. Screening reversible reactions for thermomechanical energy transfer 9—87999
Williams, P. Current problems in low energy ion beam materials analysis with SIMS 9—49331
Williams, P. *see* Chelgren, J.E. 9—83073
Williams, P. *see* Gibbons, J.F. 9—73182
Williams, P. *see* Tsai, M.Y. 9—55763
Williams, P.G. *see* Cebeci, T. 9—64648, 9—68678
Williams, P.J.Le B. *see* Knap, A.H. 9—70473
Williams, P.M. *see* Hughes, H.P. 9—56912
Williams, P.M. *see* Lagowski, J. 9—77921
Williams, P.M. *see* Michel, R.L. 9—88371
Williams, P.S. Mass loss and spin 9—75201
Williams, P.W., Dowling, R.K. Solution of marble in the karst of the Pikikiruna Range, northwest Nelson, New Zealand 9—74906
Williams, R. Schottky barriers at the interface between amorphous silicon and electrolytes 9—78169
Williams, R. *see* Crandall, R.S. 9—100526
Williams, R. *see* Khanna, S.K. 9—56206
Williams, R.A., Fender, D.H. Velocity precision in smooth pursuit eye movements 9—57656
Williams, R.A. *see* Jarman, R.A. 9—66227
Williams, R.E. *see* Turnshek, D.A. 9—71146
Williams, R.F. *see* Albert, T.E. 9—89384
Williams, R.G. Comments on 'Large amplitude standing planetary waves induced in the troposphere by the Sun' by J.W. King et al 9—74935
Williams, R.H. *see* McGovern, I.T. 9—87560
Williams, R.H. *see* McKinley, A. 9—77934
Williams, R.H. *see* Varma, R.R. 9—60921
Williams, R.J., Broersma, K., Van Ryswyk, A.L. Equilibrium and actual evapotranspiration from a very dry vegetated surface 9—88109
Williams, R.J. *see* Daniels, T.C. 9—94612
Williams, R.O. Errors in diffuse scattering measurements associated with Bragg diffraction 9—50924
Williams, R.O. Stability of the body-centered cubic gamma phase in the uranium-zirconium-niobium system 9—66039
Williams, R.O., Tennery, V.J. Phase equilibria in the oxidation of impure silicon nitride 9—70045
Williams, R.S. *see* Denley, D. 9—69903
Williams, R.S. *see* Wehner, P.S. 9—95316
Williams, R.T., Robinson, E.S. Ocean tide and waves beneath the Ross Ice Shelf, Antarctica 9—88364
Williams, R.T. *see* Tupaz, J.B. 9—53441
Williams, S.A. *see* Hsu, H.H. 9—59019
Williams, S.G.L. Design techniques for WFOV high-resolution reflecting optics 9—86241
Williams, S.H., Cheng, A.S., Kaufman, L., Shosa, D.W. Elimination of loss of resolution at depth in single-photon nuclear images 9—49352
Williams, S.H. *see* Kaufman, L. 9—53221
Williams, S.P. *see* Pimmel, R.L. 9—92277
Williams, S.W. *see* Potter, J.M. 9—71988
Williams, T. *see* Marlow, D. 9—85564
Williams, T.D. Effect of meridional disparity on depth perception 9—53133
Williams, T.D. Diseases of the optic nerve, tracts, and visual cortex: an annual review of the ophthalmic literature 9—83762
Williams, T.D. Congenital malformations of the optic-nerve head 9—92213
Williams, T.M., Titchmarsh, J.M., Arkell, D.R. A nickel and silicon-rich phase in irradiated FV548 steel 9—66063
Williams, T.M. *see* Hoftiezer, J.H. 9—85509
Williams, T.M. *see* Pipin, G.P. 9—85316
Williams, V. Location of the rotation axis of a tumbling cylindrical Earth satellite by using visual observation. I. Theory 9—80200
Williams, V. Location of the rotation axis of a tumbling cylindrical Earth satellite by using visual observations. II. Results 9—80201
Williams, V.L., Lockie, R.T. Optical contamination assessment by bidirectional reflectance-distribution function (BRDF) measurement 9—59790
Williams, W.D., Conrad, F.J., Sandlin, L.L., Burrows, T.A. Progress in the development of explosives materials detectors [nuclear facilities safety] 9—89451
Williams, W.J. *see* Looft, F.J. 9—74797
Williams, W.O. *see* Sampaio, R. 9—88898
Williams, W.P. *see* Quinn, P.J. 9—83716
Williams, W.S. *see* Baldoni, J.G. 9—70110
Williams, W.S. *see* Sharma, N.K. 9—77927
Williams, W.S.C. *see* Loomis, W.A. 9—71757
Williamson, A.D., Compton, R.N. Sequential multiphoton ionization spectroscopy: extension of a useful spectroscopic tool 9—50163
Williamson, A.S. A perturbation solution for the steady heat flow around a thin circular insulating annulus on the surface of a conducting half-space 9—59981
Williamson, C. *see* Bertozzi, W. 9—68129
Williamson, C.F. *see* Peterson, G.A. 9—49891
Williamson, D.L. Influence of pressure on isomer shifts 9—87353
Williamson, D.L., Krauss, G., Schupmann, R.G., Materkowski, J.P. Determination of small amounts of austenite and carbide in hardened medium carbon steels by Mossbauer spectroscopy 9—56646
Williamson, E.A., Jr., Terney, W.B., Huber, D.J. Interactive fuel management using a CRT 9—85594
Williamson, R.E. *see* Petschek, A.G. 9—72912
Williamson, R.F. *see* Hong, Y.S. 9—99152
Williamson, S.J., Kaufman, L., Brenner, D. Evoked neuromagnetic fields of the human brain 9—83813
Williamson, S.J. *see* Krusin-Elbaum, L. 9—78416
Williamson, S.J. *see* Milewits, M. 9—56382
Williamson, T.J. A technique for matching orthogonal megavoltage fields 9—88197
Williamson, T.J. Improving the reproducibility of lateral therapy portal placement 9—100710
Willie, H.C. Axially symmetrical slip-line fields consequent upon pressure dependent behaviour of materials 9—86360
Williford, R.E., Hann, C.R. CRAKR: Steady-state asymmetric temperature distributions in nuclear fuel rods 9—49743
Williford, R.E. *see* Bradley, E.R. 9—93697
Williford, R.E. *see* Lanning, D.D. 9—93767
Willig, A. *see* Le Nagard, N. 9—55714
Willig, F. *see* Muller, N. 9—73558
Willigen, A.van *see* van Willigen, A.
Willigen, H.Van *see* Van Willigen, H.
Williges, H. Loudspeakers: a review of the state of the technology 9—50559
Williges, H. Loudspeaker reproduction in the home and its problems. II 9—72755
Williges, H. Loudspeaker reproduction in a living room and its problems. I 9—90081
Willis, A.G., Miley, G.K. A 6 cm source survey with the Westerbork Synthesis Radio Telescope. II. Analysis 9—75287
Willis, A.G., Miley, G.K. A 6 cm source survey with the Westerbork Synthesis Radio Telescope. I. The data 9—88604
Willis, A.G. *see* Arp, H. 9—62899
Willis, A.G. *see* Arps, H.C. 9—92879
Willis, A.G. *see* Katgert, P. 9—58436
Willis, A.J. *see* Huber, M.C.E. 9—53896
Willis, C., Dosi, M., James, D.J. Gas consumption characteristics of a recirculating HF-laser 9—68390
Willis, C., Purdon, J.G. Catalytic control of the gas chemistry of sealed TEA CO_2 lasers 9—76663
Willis, C., Sarjeant, W.J., Wardlaw, D.M. Initial rate of decomposition of CO_2 in volume discharges: An experimental study 9—50905
Willis, C. *see* Corkum, R. 9—52712
Willis, C. *see* Hackett, P.A. 9—89723
Willis, D.J., Hatherly, M. Orientation dependence of cell size in Nb-stabilized steels and the development of the recrystallization texture 9—91682

Willis, J.O., Waterstrat, R.M. Superconductivity in Nb_5Si_3 9—78245
Willis, W.J. *see* Kourkoumelis, C. 9—63555, 9—71769, 9—71770, 9—85347
Willisen, F.K.von *see* von Willisen, F.K.
Willison, J.R. *see* Green, W.R. 9—64075
Willmann, G. The significance of thin sections in the study of the structure of ceramics 9—52562
Willmann, R.B. *see* Gaidos, J.A. 9—85440
Willmarth, W.W. *see* Kastrinakis, E.G. 9—72973
Willmore, A.P. *see* Proctor, R.J. 9—66923
Willmore, L.E. *see* McCurrie, R.A. 9—87288
Willmore, T.J. *see* Vanhecke, L. 9—63105
Willmott, F.W., Mackenzie, I. Data processing for atomic absorption spectrometry with a microcomputer 9—52794
Willner, H. *see* Burger, H. 9—76431
Willner, H. *see* Haas, A. 9—89674
Willner, S.P. *see* Soifer, B.T. 9—101181
Willoughby, A.F.W. *see* Brown, M. 9—82220
Willoughby, H.E. Forced secondary circulations in hurricanes 9—84387
Willows, J.L. *see* Lytle, R.J. 9—67345
Willrath, H. *see* Sabine, T.M. 9—62098
Willrath, H. *see* Smith, G.B. 9—80621
Willrodt, J. *see* Ali, A. 9—49459, 9—63492, 9—75746
Wills, C., Jornvall, H. Sequence of the 5′-end of Strongylocentrotus purpuratus H2b histone mRNA and its location within histone DNA 9—74594
Wills, D. Radio studies of complete samples of QSOs from the 4C and Parkes catalogs 9—62927
Wills, D.J., Picton, D.C.A. The intrusion of the tooth for different loading rates 9—57686
Wills, E.D. *see* Hammer, C.T. 9—96623
Wills, J.G. *see* Tsangarides, M.C. 9—85415
Wills, P.R. Isothermal diffusion and quasielastic light-scattering of macromolecular solutes at finite concentration 9—82367
Willson, A.J. *see* Thompson, J.R. 9—59937
Willson, L.A. *see* Hill, S.J. 9—53815
Willson, L.A. *see* Pierce, J.N. 9—88684
Willutzki, H.J. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Willutzki, H.J. *see* Groot, J.G.H. 9—93395
Willutzky, M. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Wilmanski, K. Localization problem of nonlocal continuum theories 9—69201
Wilmensen, C.W. *see* Wager, J.F. 9—87991
Wilmes, L. *see* Szalmassy, Z. 9—65570
Wilms, E.V., Cohen, H. A two-degree-of-freedom system with Coulomb bearing friction 9—64601
Wilms, G. *see* Coenen, Y. 9—66552
Wilmsen, C. *see* DuBow, J.B. 9—61980
Wilmsen, C.W. *see* Shewchun, J. 9—83596
Wilmsen, C.W. *see* Wager, J.F. 9—56314
Wilpon, J.G. *see* Rabiner, L.R. 9—94411
Wilpon, W.G. *see* Rabiner, L.R. 9—86303
Wilquet, C.Vander Velde *see* Vander Velde Wilquet, C.
Wilquet, G. *see* Angelini, C. 9—67548
Wilsch, H. *see* Drechsler, M. 9—90862
Wilsch, H. *see* Joite, S. 9—83087
Wilshire, B., Watkins, B. Factors affecting the stress dependence for creep of polycrystalline magnesia 9—70120
Wilshire, B. *see* Burt, H. 9—61665
Wilsker, B. *see* Selov, W. 9—59303
Wilslef, D.M. *see* Ahlman, R.S. 9—67991, 9—72012
Wilson, A.D. Fatigue crack propagation in A533B steels—metallographic and fractographic analyses 9—83325
Wilson, A.E. *see* Di Lollo, V. 9—53147
Wilson, A.J. An inexpensive digital millisecond timer and event counter 9—67256
Wilson, A.J. *see* Haydock, R. 9—60903
Wilson, A.M. Positions of galactic X-ray sources 9—58446
Wilson, A.S. X-ray galaxies 9—58422
Wilson, A.S., Penston, M.V. IC 4329A: the nearest quasar? 9—101190
Wilson, A.S. *see* Griffiths, R.E. 9—101211
Wilson, A.S. *see* Vallee, J.P. 9—92855
Wilson, A.T. Geochemical problems of the Antarctic dry areas 9—79844
Wilson, A.T., Hendy, C.H., Reynolds, C.P. Short-term climate change and New Zealand temperatures during the last millennium 9—62574
Wilson, B.A., Yen, W.M., Hegarty, J., Imbusch, G.F. Luminescence from pure MnF_2 and from MnF_2 doped with Eu^{3+} and Er^{3+} 9—73994
Wilson, B.L.H. *(editor)* Physics of Semiconductors 1978 9—95303
Wilson, C.E. *see* Pawel, H.E. 9—79593
Wilson, C.G. *see* Richards, T.W.D. 9—80395
Wilson, C.J.L., Russell-Head, D.S. Experimental folding in ice and the resultant c-axis fabrics 9—57983
Wilson, C.L. *see* Gaidos, J.A. 9—85440
Wilson, C.R., Starr, T.B., Bryson, R.A. Comments and additional investigations concerning 'Chandler tides in the atmosphere' [and reply] 9—88424
Wilson, C.W. *see* Mabey, D.R. 9—84307
Wilson, D.E., Panton, R.L. Peristaltic transport due to finite amplitude bending and contraction waves 9—50800
Wilson, D.G. *see* Mikielewicz, J. 9—98790
Wilson, D.L. Separation and concentration techniques for atomic absorption: a guide to the literature 9—87887
Wilson, D.L.T. *see* Ross, D.K. 9—60557
Wilson, D.T. *see* Callerame, J. 9—57734
Wilson, D.T. *see* Tancrell, R.H. 9—57738
Wilson, E.J.N. *see* Boussard, D. 9—72094
Wilson, E.W. Automating stroke management 9—79626
Wilson, F.J. *see* Watson, J.W. 9—81114
Wilson, G.A. *see* Freeland, R.G. 9—83542
Wilson, G.L. Shading of acoustic and antenna arrays [comments on article by E.J. Sullivan] 9—98552
Wilson, G.V.H., Bures, K., Brewer, W., Boysen, J. New applications of nuclear cooling in nuclear orientation studies 9—63230
Wilson, G.V.H. *see* Bures, K. 9—61288
Wilson, G.V.H. *see* Foster, H.R. 9—65780
Wilson, G.V.H. *see* Wantenaar, G.H.J. 9—61072
Wilson, H.B., Jr., Farrior, D.S. Stress analysis of variable cross-section indeterminate beams using repeated integration 9—64510
Wilson, H.L., Scott, W.H., Jr., Pomraning, G.C. Neutron transport in moving media 9—63713
Wilson, H.L., Tappert, F.D. Acoustic propagation in random oceans using the radiation transport equation 9—90062
Wilson, H.R., Phillips, G., Rentschler, I., Hilz, R. Spatial probability summation and disinhibition in psychophysically measured line-spread functions 9—74678
Wilson, H.R. *see* Kelly, D.H. 9—74657
Wilson, I. *see* Brunet, J.-C. 9—76211
Wilson, I. *see* Fowler, E.P. 9—89466
Wilson, I.H. *see* Belson, J. 9—78185
Wilson, I.H. *see* Gill, S.S. 9—51141
Wilson, I.H. *see* Yamamoto, Y. 9—65103
Wilson, I.J. *see* Andrewartha, J.R. 9—50393
Wilson, J.A. CuCl: Some facts and thoughts on high-temperature superconductivity 9—51711
Wilson, J.A. Tunneling investigation of Zn-Pb proximity sandwiches 9—56396
Wilson, J.A. Bands, bonds, and charge-density waves in the $NbSe_3$ family of compounds 9—95327
Wilson, J.A. *see* Ayscough, P.B. 9—84906
Wilson, J.C., Zichy, E.L. Observations of charge on nascent poly(vinyl chloride) particles in monomer 9—79249
Wilson, J.C. *see* Cooper, W.D. 9—79250
Wilson, J.F. *see* Hawkesworth, C.J. 9—66658
Wilson, J.I.B. *see* McGill, J. 9—57425, 9—87518
Wilson, J.M. *see* Uhrich, D.L. 9—71168
Wilson, J.P. *see* Gardner, R.B. 9—96573
Wilson, J.W., DeYoung, R.J., Harries, W.L. Nuclear-pumped ^{3}He-Ar laser modeling 9—76668
Wilson, J.W.G. *see* Charlton, C.P. 9—80194
Wilson, L., Huang, T.C. The influence of shape on the atmospheric settling velocity of volcanic ash particles 9—84364
Wilson, L.K. *see* Perry, C.H. 9—73691
Wilson, L.W. *see* Westfall, G.D. 9—54453
Wilson, M.D. *see* McDiarmid, I.B. 9—75044
Wilson, M.G.F. *see* Wright, S. 9—90002
Wilson, M.J.G. *see* Galbally, I.E. 9—74939
Wilson, M.K. *see* Melson, K.E. 9—76159
Wilson, M.R. *see* Adamek, P.M. 9—84271
Wilson, P.B. Pulsed RF systems for large storage rings 9—72141
Wilson, P.B. *see* Weaver, J.N. 9—68055
Wilson, P.R. Wave propagation in a magnetic flux sheath in the presence of a velocity field 9—62735
Wilson, R. An abrading system for the measurement of oxide thickness [inside shut down nuclear reactor] 9—63720
Wilson, R. *see* Huber, M.C.E. 9—53896
Wilson, R. *see* Loomis, W.A. 9—71757
Wilson, R.C. *see* Byron, D.J. 9—82150
Wilson, R.C. *see* Harp, E.L. 9—88276
Wilson, R.E. Vortex sheet analysis of the Giromill 9—83553
Wilson, R.E., Mortimer, S.R. Experience with soluble neutron poisons for criticality control at ICPP 9—85727
Wilson, R.E. *see* Lucy, L.B. 9—97026
Wilson, R.G., Dunlap, H.L., Jamba, D.M., Myers, D.R. Angular sensitivity of controlled implanted doping profiles 9—55770
Wilson, R.G., Jalink, A., Jr., Kahlbaum, W.M., Jr. Spatial-frequency response of the limb infrared monitor of the stratosphere (LIMS) radiometer 9—101048
Wilson, R.G. *see* Hubler, G.K. 9—82248
Wilson, R.H. Analysis of charge transfer at photoexcited CdS electrodes with Na_2S in the electrolyte 9—99618
Wilson, R.H. *see* Harris, L.A. 9—65547
Wilson, R.M., Smith, J.B., Jr., Speich, D.M. Physical parameter analysis of an intense, compact subflare 9—62802
Wilson, R.R. Fantasies of future Fermilab facilities 9—85841
Wilson, R.W. The cosmic microwave background radiation 9—97109
Wilson, R.W. *see* Frerking, M.A. 9—101182
Wilson, S. Pade approximants and many-body perturbation theory: an application to the CH^+ ion 9—59366
Wilson, S., Saunders, V.R. Diagrammatic perturbation theory: the contribution of triply-excited states to correlation energies 9—81161
Wilson, S., Silver, D.M. Universal basis sets in molecular calculations 9—59354
Wilson, S., Silver, D.M. Diagrammatic many-body perturbation expansion for atoms and molecules. IV. Fourth-order linked diagrams involving quadruply-excited states 9—59364
Wilson, S., Silver, D.M. Fourth-order terms in the diagrammatic perturbation expansion for the electronic energy of atoms and molecules 9—85882
Wilson, S. *see* Silver, D.M. 9—68198
Wilson, S.R., Appleton, B.R., White, C.W., Narayan, J. Comparison of effects of pulsed ruby laser and pulsed electron beam annealing of $^{75}As^+$ implanted silicon 9—69135
Wilson, S.R., Appleton, B.R., White, C.W., Narayan, J., Greenwald, A.C. Comparison of pulsed electron beam-annealed and pulsed ruby laser-annealed ion-implanted silicon 9—52256
Wilson, S.R., White, C.W., Pronko, P.P., Young, R.T., Appleton, B.R. Lattice location of As and Sb implanted in silicon after annealing with a pulsed ruby laser 9—73204
Wilson, S.R. *see* Appleton, B.R. 9—52255, 9—69127
Wilson, S.R. *see* McDaniel, F.D. 9—69907
Wilson, S.R. *see* Pronko, P.O. 9—100008
Wilson, S.R. *see* Wang, J.C. 9—69148
Wilson, S.R. *see* White, C.W. 9—82254, 9—86805
Wilson, T., Osicki, W.R., Gannaway, J.N., Booker, G.R. Comparison of dislocation images obtained using the scanning optical microscope and scanning electron microscope 9—51112
Wilson, T., Sheppard, C.J.R. Imaging and super-resolution in the harmonic microscope 9—97430
Wilson, T. *see* Sheppard, C.J.R. 9—58783
Wilson, T.L., Fazio, G.G., Jaffe, D., Kleinmann, D., Wright, E.L., Low, F.J. A comparison of high resolution radio and far-infrared maps of M17 9—75263
Wilson, T.L., Pauls, T.A., Ziurys, L.M. Electron temperature gradients with distance from the galactic center? 9—88744
Wilson, W., Swamy, N.V.V.J. Possibility of detecting magnetic charges using pulsar emission 9—75704
Wilson, W.A., Wachtel, H. Prolonged inhibition in burst firing neurons: synaptic inactivation of the slow regenerative inward current 9—66469
Wilson, W.B. *see* Kerr, R.P. 9—80477
Wilson, W.D. *see* Baskes, M.I. 9—77834
Wilson, W.D. *see* Emin, D. 9—56690
Wilson, W.E. *see* Toburen, L.H. 9—81271
Wilson, W.J. *see* Geffen, D.A. 9—63567
Wilson, W.J. *see* Rosner, J.L. 9—89147
Wilson, W.K., Yu, I.-W. The use of the J-integral in thermal stress crack problems 9—81811
Wilson, W.L. *see* Ernst, W.E. 9—86166
Wilson, W.L., Jr. *see* Epton, P.J. 9—76728
Wilson, W.S. *see* Parker, R.P. 9—73316
Wilson-Gordon, A.D. *see* Freidmann, H. 9—76434
Wilt, M.C., Peters, R., Leibowitz, J.R. Non-equilibrium and superlattice effects in a bulk superconductor 9—56390
Wilton, D.R. *see* Rao, S.M. 9—89825
Wilts, C.H. *see* Komenou, K. 9—99774
Wiltschko, D.V. A mechanical model for thrust sheet deformation at a ramp 9—70779
Wiltschko, E. *see* Fercher, A.F. 9—89852
Wiltshire, F. *see* Craig, E. 9—97766
Wiltshire, M.C.K. Magnetic excitations in $Co_{1-p}Mg_pCl_2$ 9—99775
Wiltshire, M.C.K. *see* Sokoloff, J.B. 9—78350
Wimbush, M., Lesht, B. Current-induced sediment movement in the deep Florida Straits: critical parameters 9—79807
Wimmer, E. *see* Podloucky, R. 9—77999
Wimmer, J. *see* Hardt, A. 9—63257
Wimp, J. *see* Colton, D. 9—94454
Winand, R. *see* Segers, L. 9—51183, 9—51287
Winant, C.D. Coastal current observations 9—100868
Wincenciak, S. *see* Krzeminski, S. 9—94448
Winch, D.E. *see* Anderssen, R.S. 9—88239
Winch, D.E. *see* Stening, R.J. 9—53598
Winchester, J.W. *see* Lawson, D.R. 9—100910
Winckler, J.R. *see* Erickson, K.N. 9—66882
Winckler, J.R. *see* Israelson, G.A. 9—75017
Wind, H. The use of a non-diagonal weight matrix for momentum determination with magnetic spectrometers 9—59296
Wind, R.A., Bovee, W.M.M.J., Kupers, J.C.F., Smidt, J. Investigation of methyl reorientations in 1,4-dimethoxy-2,6-dimethylbenzene by NMR and inelastic neutron scattering 9—61253
Windawi, H., Katzer, J.R. AES study of oxidation of surface and bulk sulfides of Ni 9—83505

Winde, H. Investigation of structural and coordination relations of transition metal ions on oxidic surfaces by means of ESR-spectroscopy and optical spectra 9—95266
Windgassen, N.R. Growing and polishing large thallium single crystals 9—78870
Windham, J.P. *see* Opdycke, J.P. 9—79647
Windhorn, T.H. *see* Feng, M. 9—52130, 9—69872
Windhorn, T.H. *see* Milano, R.A. 9—67380
Windischmann, H., Mark, P. A model for the operation of a thin-film SnO_x conductance-modulation carbon monoxide sensor 9—97371
Windle, A.H. *see* Lovell, R. 9—73061
Windmolders, R. *see* Givernaud, A. 9—75801
Window, B., Ritchie, I.T., Cathro, K. A study of selective electroplated chrome blacks 9—79406
Windsch, W. *see* Bottcher, R. 9—99791
Windsor, C.G., Kheyrandish, H., Narasimhan, M.C. The vibrational spectrum of $Pd_{80}Si_{20}$ metal glass 9—60465
Windsor, J.G., Jr., Hites, R.A. Polycyclic aromatic hydrocarbons in Gulf of Maine sediments and Nova Scotia soils 9—74555
Wine, P.H. *see* Ravishankara, A.R. 9—70303
Winefordner, J. *see* Bower, J. 9—83540
Winefordner, J.D. *see* Blackburn, M.B. 9—79330
Winefordner, J.D. *see* Haraguchi, H. 9—68260
Winefordner, J.D. *see* Latz, H.W. 9—74452
Wineland, D.J. Laser-to-microwave frequency division using synchrotron radiation 9—76562
Wineland, D.J., Howe, D.A., Mohler, M.B., Hellwig, H.W. Special purpose ammonia frequency standard—a feasibility study 9—71418
Wineland, D.J. *see* Walls, F.L. 9—54102
Wineman, A. On the simultaneous elongation and inflation of a tubular membrane of BKZ fluid 9—90294
Winer, A.M. *see* Miller, P.R. 9—83676
Winer, A.M. *see* Pitts, J.N., Jr. 9—61860
Winer, D.E. Airport noise exposure: the problem of definition 9—90079
Winful, H.G. *see* Garmire, E. 9—59803
Wing, R.F., Rinsland, C.P. Atmospheric extinction in the four-micron region 9—96808
Wing, R.F. *see* Yorka, S.B. 9—88651
Wing, S.D. *see* Norman, D. 9—92360
Wing, S.S. *see* Macdonald, D.D. 9—96191
Wing, S.S. *see* Syrett, B.C. 9—66197, 9—70704
Wing, W.H. Inexpensive highly efficient VUV light detectors 9—85180
Wing, W.H. *see* Ryan, S.R. 9—86079
Wing-Cheung Tam, Wong, S.F. Magnetically collimated electron impact spectrometer 9—49334
Wing-King, A.M. *see* Cummings, A. 9—81625
Wingate, C.A., Leffel, C.S. An ultra-reliable miniature cryogenic refrigerator 9—54139
Winge, R.K., Peterson, V.J., Fassel, V.A. Inductively coupled plasma-atomic emission spectroscopy: prominent lines 9—83519
Wingerden, B.van *see* van Wingerden, B.
Winget, D.E. *see* Herter, T. 9—80312
Winget, G.D. *see* Gould, J.M. 9—92298
Winhold, E.J. *see* Paras, N. 9—63659
Winick, H. SSRL. Past experience, present development, future plans 9—68020
Winick, H. *see* Berndt, M. 9—68025
Winick, J.R. *see* Esposito, L.W. 9—101100
Winicov, H., Schainbaum, J., Buckley, J., Longino, G., Hill, J., Berkoff, C.E. Chemical process optimization by computer—a self-directed chemical synthesis system 9—52628
Winitz, H., Bellerose, B. Interference and the persistence of articulatory responses 9—96537
Winkelmann, D. Recent developments in electrophotography in Europe 9—71556
Winkelmann, E. *see* Alder, J.-C. 9—85381
Winkelmann, E. *see* Gabioud, B. 9—67600
Winkelmann, E. *see* Strassner, G. 9—89280
Winkelmann, E. *see* Willard, H.B. 9—63502
Winkleman, E. *see* Cverna, F. 9—85315
Winkler, F.J. *see* Schmidt, H.-L. 9—57566
Winkler, H. *see* Hannon, J.P. 9—93267
Winkler, K. *see* Becherer, H. 9—52094
Winkler, K.-H.A. Late stages of solar type protostars 9—58334
Winkler, P. Resonances of $(N\pm1)$-particle systems in a dilated Green's function approach 9—71295
Winkler, P., Porter, R.N. Closed-form expressions for the correlated two-electron-core potentials and elastic form factors for $1\leq Z\leq 4$ 9—68195
Winkler, P.F. *see* Markert, T.H. 9—80243
Winkler, P.F., Jr. What can X-rays tell us about SNRs? 9—53894
Winkler, P.F., Jr., Hearn, D.R., Richardson, J.A., Behnken, J.M. Soft X-ray emission from the Lupus Loop and SN 1006 supernova remnants 9—53876
Winkler, R. *see* Buchholz, B. 9—49988
Winkler, R. *see* Wilhelm, J. 9—64935, 9—77383
Winkler, R.H. *see* McFarland, M. 9—100893
Winkler, W. Upstream propagation of waves in supercritically flowing water 9—68727
Winkler, W. *see* Billing, H. 9—101076
Winn, D.R. *see* Benvenuti, A. 9—49508, 9—58951
Winn, H.E. *see* Hafner, G.W. 9—88093
Winn, J.S. *see* Chance, K.V. 9—72302
Winn, J.S. *see* Goble, J.H. 9—54785, 9—54988
Winn, O.H., Franz, S.L., Anderson, R.L. Static optoelectronic characteristics of $SnO_2/V_2O_5:P_2O_5/Si$ heterojunctions 9—87146
Winn, W.P. *see* Standler, R.B. 9—79978
Winnacker, A. *see* Hahn, K. 9—87335
Winnacker, A. *see* Reyher, H.J. 9—73812
Winnberg, A., Walmsley, C. V1057 Cygni 9—62843
Winnberg, A. *see* Ahlgren, J. 9—74619
Winnberg, A. *see* Baud, B. 9—58395
Winnberg, A. *see* Nguyen-Q-Rieu 9—71043
Winnewisser, G. *see* Gerry, M.C.L. 9—59445
Winnewisser, G. *see* Hocking, W.H. 9—71090
Winnewisser, M. *see* Bendtsen, J. 9—85958
Winnicki, L.A., Zienkiewicz, O.C. Plastic (or visco-plastic) behaviour of axisymmetric bodies subjected to non-symmetric loading-semi-analytical finite element solution 9—90149
Winningham, J.D., Kawasaki, K., Rostoker, G. Energetic particle precipitation into the high-latitude ionosphere and the auroral electrojets. I. Definition of electrojet boundaries using energetic electron spectra and ground-based magnetometer data 9—75026
Winogard, N., Garrison, B.J., Fleisch, T., Delgass, W.N., Harrison, D.E., Jr. Particle ejection from ion-bombarded clean and reacted single-crystal surfaces 9—78810
Winograd, N., Foley, K.E., Garrison, B.J., Harrison, D.E., Jr. Evidence for a recombination mechanism of cluster emission from ion bombarded metal surfaces 9—100007
Winograd, N. *see* Garrison, B.J. 9—87543, 9—100011
Winograd, N. *see* Holland, S.P. 9—77913
Winograd, N. *see* Slusser, G.J. 9—77885
Winograd, N. *see* Young, V.Y. 9—89655
Winske, D., Gary, S.P. Magnetic gradient effects on the universal drift instability 9—60117
Winske, D. *see* Lemons, D.S. 9—60122
Winske, P. *see* Ploumen, P. 9—81014
Winslow, R.M. *see* Thibault, L.E. 9—92418
Winsor, N.K., Hui, B.H., Coppi, B. Toroidal resistivity $\eta(\epsilon,J)$ 9—98965
Winsor, N.K. *see* Christiansen, J.P. 9—86594
Winston, H.V. *see* Baron, R. 9—51512
Winston, R., Welford, W.T. Geometrical vector flux and some new nonimaging concentrators 9—72650
Winston, R., Welford, W.T. Ideal flux concentrators as shapes that do not disturb the geometrical vector flux field: a new derivation of the compound parabolic concentrator 9—72651
Winston, R. *see* Collares-Pereira, M. 9—62104, 9—62105, 9—62112
Winston, R. *see* Goodman, N.B. 9—62069
Winston, R. *see* Welford, W.T. 9—55201, 9—81504
Wintenberger, J.-P. Lie extensions and automorphism groups of local fields with characteristic p 9—58895
Wintenberger, M. *see* Babot, D. 9—56507
Winter, B. *see* Haase, R. 9—60515
Winter, C.van *see* van Winter, C.
Winter, D.A. A new definition of mechanical work done in human movement 9—88107
Winter, D.C., Pimmel, R.L., Fullton, J.M. Analysis of reflection artifacts in direct phase velocity measurements in the trachea 9—92280
Winter, D.C. *see* Pimmel, R.L. 9—92277
Winter, F.de *see* de Winter, F.
Winter, G.G. *see* Berger, C. 9—49519
Winter, H., Andra, H.J. Nuclear polarised ^7Li and ^{14}N ions via ion beam surface interaction at grazing incidence 9—64077
Winter, H., Rietshel, H., Ries, G., Reichardt, W. Calculation of the superconducting transition temperature in refractory compounds 9—56361
Winter, H. *see* Ries, G. 9—82513
Winter, H.H. On network models of molten polymers. Loss of junctions due to stretching of material planes 9—77043
Winter, K. *see* Albrow, M. 9—97605
Winter, K. *see* Jonker, M. 9—93399
Winter, P. Making minicomputers work with science 9—75508
Winter, T.G. *see* Hatton, G.L. 9—98217
Winterberg, F. Generation of ultra-intense heavy ion beams for inertial confinement fusion 9—59252
Winterberg, F. Radiative collapse of a relativistic electron-positron plasma to ultrahigh densities 9—60188
Winterberg, F. Minimum non-spherical implosion velocity for inertial confinement fusion 9—67937
Winterberg, F. Thermonuclear microexplosion ignition by hypervelocity projectiles 9—89493
Winterbottom, J.M. *see* Pountney, J.M. 9—82181
Winterfeld, P.H., Scriven, L.E., Davis, H.T. An approximate theory of interfacial tensions of multicomponent systems: applications to binary liquid-vapor tensions 9—51390
Winterhager, J. *see* Noll, G. 9—100564
Winterling, G. *see* Koteles, E.S. 9—95760
Winternitz, P. *see* Bystricky, J. 9—85324
Winternitz, P. *see* Daumens, M. 9—93319
Winterowd, L.A. *see* Ducar, R.J. 9—76214
Winters, E.D. Selective gold plating on palladium-titanium conductor patterns 9—95951
Winters, H.F. *see* Chuang, T.J. 9—70367
Winters, H.F. *see* Coburn, J.W. 9—82073, 9—83348
Winters, J.L., Musumeci, R.A., Richards, J.A. Optimum analysing electrode radius for a four-fold monopole mass spectrometer 9—93250
Winters, K.D. *see* Rowlands, R.E. 9—59922
Winters, K.H. *see* Smith, J.J. 9—59582
Winters, L. *see* Peterson, A.C. 9—85651, 9—89447
Winters, R.R. *see* Macklin, R.L. 9—80933, 9—80935
Winters, W.D. *see* Lim, A.J. 9—100773
Wintersgill, M.C. *see* Halliburton, L.E. 9—73810
Wintersgill, M.C. *see* Sibley, W.A. 9—99913
Wintersgill, M.C. *see* Townsend, P.D. 9—74009
Winterson, B.J. *see* Skavenski, A.A. 9—100595
Winterton, R.H.S., Chevalier, A.B.H., Fowles, G.A. Gas bubble adhesion to heat transfer surfaces 9—89375
Winther, A., Alder, K. Relativistic Coulomb excitation 9—54450
Winther, A. *see* Broglia, R.A. 9—54446
Wintle, A.G. A thermoluminescence dating study of some Quaternary calcite: potential and problems 9—84231
Wintle, A.G., Huntley, D.J. Thermoluminescence dating of a deep-sea sediment core 9—74871
Wintle, H.J. *see* Pender, L.F. 9—51643
Winton, R.I. *see* Chesters, M.A. 9—66353
Wintsch, R.P. The Willimantic fault: a ductile fault in eastern Connecticut 9—84245
Winzer, A. Quantum theory calculation of the activation energy for mass transfer on phase boundaries of ionic crystals. IV. Radiochemical determination and quantum theory calculation of activation energy for mass transfer in NaCl crystal fractions 9—51031
Winzer, A. Quantum mechanical relations in interface processes of electrode systems of the second kind 9—100398
Winzer, G., Grassl, E., Stockmann, M., Fiereder, R. Reed-type routing switch for multimode optical fibers 9—72704
Winzer, G. *see* Reichelt, A. 9—72701
Winzer, K., Felsch, W. Magnetic ordering in CeB_6 single crystals 9—61110
Winzer, K. *see* Freyhardt, H.C. 9—56373
Wiph, H. *see* Locatelli, M. 9—65601
Wippermann, F.K., Etling, D., Kirstein, H.J. On the instability of a planetary boundary layer with Rossby number similarity. II. The combined effect of inflection point instability and convective instability 9—66757
Wire, G.L., Cannon, N.S., Johnson, G.D. Prediction of transient mechanical response of type 316 stainless steel cladding using an equation-of-state approach 9—74207
Wire, G.L. *see* Chin, B.A. 9—87648
Wirfs, L.F. *see* Sherr, T.S. 9—85619
Wirgin, A. On the Rayleigh theory of the diffraction of a wave at a sinusoidal surface 9—59630
Wirgin, A. General integral formulation of the diffraction of an electromagnetic wave by an infinitely conducting, biaxial periodic surface 9—98267
Wirgin, A. *see* Benard, C. 9—57396, 9—57484, 9—57485, 9—62032
Wirt, L.S. The control of diffracted sound by means of thnadners (shaped noise barriers) 9—50502
Wirth, A. *see* Tomei, F. 9—53099
Wirth, E. *see* Schmidt, H.-L. 9—57566
Wirth, G. *see* Lucas, R. 9—49638
Wirths, D. *see* Schmidtmann, E. 9—66194
Wirtz, R.A., Reddy, C.S. Experiments on convective layer formation and merging in a differentially heated slot 9—59982
Wise, D.U., Golombek, M.P., McGill, G.E. Tharsis province of Mars: geologic sequence, geometry, and a deformation mechanism 9—75134
Wise, H. *see* Ablow, C.M. 9—90883
Wise, H. *see* McCarty, J.G. 9—82452
Wise, K.D., Jackson, T.N., Masnari, N.A., Robinson, M.G., Solomon, D.E., Wuttke, G.H., Rensel, W.B. Fabrication of hemispherical structures using semiconductor technology for use in thermonuclear fusion research 9—89495
Wise, K.D. *see* Pochay, P. 9—57822
Wise, M.B. *see* Gilman, F.J. 9—54323
Wise, M.B. *see* Knight, L.B., Jr. 9—98122
Wiseman, C.D. *see* Ravindhran, K.S. 9—99030
Wisemberg, J. *see* Vanlaethem-Meuree, N. 9—81208
Wiser, D.E. *see* Johnson, J.R. 9—63838
Wiser, N. *see* Bergmann, A. 9—60805
Wiser, N. *see* Danino, M. 9—60793
Wiser, N. *see* Kaveh, M. 9—51561
Wishart, A.W. The bound-free photo-detachment cross-section of H^- 9—49996
Wishart, E.R. An ultra-sensitive instrument for measuring electric charges on ice particles 9—70895
Wisner, J.A. *see* Goodwin, R.M. 9—93245
Wisniewska, E. *see* Jankowska, H. 9—70010
Wisniewski, A. *see* Szpor, S. 9—96735
Wisniewski, W.J. *see* Atiya, M.S. 9—80831

Wisniewski, W.Z., Johnston, H.L. The mystery of Vega 9—75208
Wisniewski, W.Z. *see* Fitch, W.S. 9—97028
Wiss, J. *see* Atiya, M.S. 9—80831
Wiss, J.E. *see* Rapidis, P.A. 9—75780
Wiss, L. *see* Bechtold, V. 9—54654
Wisse, H.H. *see* Schuurmans, C.J.E. 9—70838
Wissel, H. *see* Seeber, G. 9—97360
Wisseman, W.R. *see* McGuire, G.E. 9—78174
Wisshak, K. *see* Hage, W. 9—85569
Wisshak, K. *see* Kappeler, F. 9—85713
Wissler, E.H. *see* Secrest, A. 9—92283
Wissmann, P. *see* Dayal, D. 9—91570
Wissmann, P. *see* Fischer, W. 9—99452
Wissmann, P. *see* Merki, U. 9—78645
Wiswall, C.E. *see* Richardson, R.J. 9—98348
Wit, A.G.J.de *see* de Wit, A.G.J.
Wit, B.de *see* de Wit, B.
Wit, B.De *see* De Wit, B.
Wit, H.P., Ritsma, R.J. Stimulated acoustic emissions from the human ear 9—100629
Wit, M.de *see* de Wit, M.
Witalis, E.A. Theta-pinch description form classical electrodynamics 9—90436
Witcomb, M.J. Epoxies, sprays and tapes as mounting media for scanning microscopy 9—71580
Witcomb, M.J. Interfacial layers between stainless steel and sputter coated niobium 9—74089
Witcombe, J.B., Horwitz, R., Cremin, B.J. Intravenous cholangiography in childhood 9—62333
Witek, A., Wosik, J., Zbieranowski, W. The elastic constants and Debye temperature of the monocrystal $NaMgAl(C_2O_4)_3.9H_2O$ 9—82275
Witherow, W.K. A high resolution holographic particle sizing system 9—81392
Withers, R.B. *see* Franks, J. 9—83126, 9—95931
Withers, R.L. *see* Bursill, L.A. 9—60298, 9—99218
Withers, R.S., Lee, R.N. Soft X-ray appearance potential spectroscopy with a channelplate detector 9—49362
Witherspoon, P.A. *see* Chin Fu Tsanq 9—57477
Witherspoon, P.A. *see* Narasimhan, T.N. 9—79900, 9—81966
Withiam, M.C. *see* Uthman, A.P. 9—50038
Withjack, M. An analytical model of continental rift fault patterns 9—79805
Withjack, M. A convective heat transfer model for lithospheric thinning and crustal uplift 9—84199
Withnall, I.W. *see* Black, L.P. 9—57895
Withrington, R.J. Optical design of a holographic visor helmet-mounted display 9—86149
Withrow, S.P. *see* Zhdan, P.A. 9—91994
Withum, D., Holz, K.-P., Meissner, U. Finite element formulations for tidal wave analysis 9—53370
Witkover, R.L. Microprocessor based beam loss monitor system for the AGS 9—72070
Witkover, R.L. *see* Agoritsas, V. 9—72077
Witkover, R.L. *see* Weng, W.T. 9—72062
Witkovsky, P. *see* Engbretson, G.A. 9—79526
Witkowski, F.X., Corr, P.B. Automated analysis of cardiac intracellular transmembrane action potentials 9—70729
Witort, I. *see* Chomka, W. 9—96074
Witowski, A.M., Grynberg, M. On the resonance two phonon absorption in zero-gap semiconductors 9—55847
Witsch, W. *see* Hoftiezer, J.H. 9—85509
Witschel, W. *see* Bohmann, J. 9—74372
Witt, A.F. *see* Martin, E.P. 9—61511
Witt, A.N. *see* Fitzgerald, M.P. 9—88712
Witt, C.E., VanderVen, N.S. Measurement of the Pauli susceptibility of lithium and sodium by spin-resonance transmission 9—61217
Witt, C.E. *see* VanderVen, N.S. 9—61218
Witt, C.L. *see* Flack, R.D., Jr. 9—82016
Witt, F. *see* Weil, R. 9—67276
Witt, G. *see* Chakrabarty, P. 9—75027
Witt, G. *see* Heintzenberg, J. 9—74955
Witt, J. *see* Bergmann, K. 9—54999
Witt, J.D. *see* Chance, R.R. 9—87460
Witt, J.D. *see* Patel, G.N. 9—64129
Witt, W.P., Palazotto, A.N., Hahn, H.T. Numerical and experimental comparison of the notch tip stresses in a laminated plate 9—77006
Witt Huberts, P.K.A.de *see* de Witt Huberts, P.K.A.
Witte, H.H. *see* Auracher, F. 9—76845
Witte, H.-H. Improved planar optical branching elements for multimode fibre transmission systems 9—94351
Witte, H.-H., Kulich, V. Planar input-output couplers in thick-film technology for multimode optical fibers 9—72703
Witte, N. *see* Diem, M. 9—84421
Witte, W.G. *see* Whitlock, C.H. 9—66832
Witteborn, F.C., Bregman, J.D., Pollack, J.B. Io: an intense brightening near 5 micrometers 9—101113
Wittek, W. *see* Blietschau, J. 9—93396
Wittels, J.J. *see* Cotton, W.D. 9—53922
Wittels, N.D. *see* Tanski, W.J. 9—68452
Witten, D.M. *see* Jander, H.P. 9—74740
Witten, E. θ-vacua in two-dimensional quantum chromodynamics 9—67499
Witten, E. A slowly moving particle in a two-dimensional magnetic field 9—86117
Witten, E. Current algebra theorems for the U(1) 'Goldstone boson' 9—89081
Witten, E. Dyons of charge $e\theta/2\pi$ 9—97534
Witten, I.H. On transferring fundamental-frequency contours from one utterance to another 9—81652
Witten, T. *see* Madey, R. 9—76216
Witten, T.A., Jr. *see* Schafer, L. 9—64136
Wittenberg, J. *see* Ferrucci, J.T. 9—92365
Witter, G.W. *see* Prince, J.L. 9—92083
Witter, K. *see* Heitmann, H. 9—51829
Witters, J., Stesmans, A., van Meijel, J. Conduction electron spin resonance and inhomogeneous broadening due to local moments 9—99769
Witters, J. *see* Braim, S.P. 9—51856
Witthuhn, W., Weidinger, A., Sandner, W., Metzner, H., Klinger, W., Bohm, R. Lattice defects in cadmium studied by the angular correlation method 9—51895
Witthuhn, W. *see* Bohm, R. 9—63589
Wittig, C. *see* Helvajian, H. 9—89705
Wittig, C. *see* Quick, C.R., Jr. 9—57254
Wittig, C. *see* Reisler, H. 9—100352
Wittig, C. *see* Tiee, J.J. 9—89927
Wittig, C. *see* Yu, M.H. 9—57255
Wittig, J. *see* Heinrichs, M. 9—65430
Wittig, J. *see* Probst, C. 9—69621
Wittig, J. *see* Ullrich, K. 9—56359
Wittkamp, I. *see* Bowe, K.H. 9—52549
Wittkopf, H. Statistical-thermondynamic computation from potential parameters of $\Delta a\bar{U}$ and $\Delta a\bar{C}$ for adsorption of argon on boron nitride 9—95268
Wittlin, A. *see* Stepniewski, R. 9—69813
Wittmaack, K. Primary-ion charge compensation in SIMS analysis of insulators 9—57322
Wittmaack, K. Characteristics of ion-excited silicon L-shell Auger spectra 9—87533
Wittmaack, K. Ionization mechanism of H^+ sputtered from hydrogenated silicon 9—100009
Wittmaack, K. *see* Blank, P. 9—78805, 9—78813
Wittmann, J. *see* Schiffner, G. 9—81513
Wittmann, J.C., St. John Manley, R. Epitaxial crystallization of polyesters on aromatic hydrocarbon substrates 9—61521
Wittmer, M., von Allmen, M. Laser-induced formation of metal-silicides 9—70366
Wittmer, M., von Allmen, M. A study of silicide formation by laser irradiation 9—99438
Wittwer, V. *see* Goetzberger, A. 9—70462
Witzel, A., Schmidt, J., Pauliny-Toth, I.I.K., Nauber, U. 21 cm flux density measurements of sources from the NRAO-MPIfR 6 cm surveys 9—88754
Witzel, A. *see* Huchtmeier, W.K. 9—62904
Witzel, W. Cyclic torsional deformation of copper at high deformation amplitudes 9—87701
Witzel, W. *see* Lange, G. 9—91660
Witzigmann, S. *see* Gever, E.H. 9—92811
Witzke, W.R. *see* Stephens, J.R. 9—70112
Wixson, S.E. *see* Zissermann, D. 9—70638
Wiza, J. *see* Lachnik, E. 9—96650
Wiza, J.L. Microchannel plate detectors 9—72200
Wizinowich, P., Percy, J.R. The periods of 44 Tauri: a least-squares determination 9—62850
Wizinowich, P.L. *see* Bissonnette, L.R. 9—76588
Wladimiroff, J.W. *see* Roelandt, J. 9—62317
Władisław, B. *see* Olivato, P.R. 9—50037
Władkow, K., Władkowa, T., Mladenow, I. Supermolecular structure of foil consisting of modified polyurethane adhesives 9—100333
Władkowa, T. *see* Władkow, K. 9—100333
Włodarczyk, E. Effect of initial pressure on stationary shock-wave propagation in polytropic gas 9—50753
Włodarczyk, E. A phenomenon occurring in the process of detonation of suspension explosives immersed in a hydrostatic pressure field 9—64700
Włodarczyk, E. A local closed-form solution of the problem of propagation of a nonstationary plane shock wave in a polytropic medium 9—68747
Włodarczyk, E. *see* Chwalczyk, F. 9—68458
Włodarski, W., Rybinski, J. Piezoresistance of tellurium thin films 9—95524
Włosewicz, D. *see* Bartkowski, K. 9—65427
Włosinski, W. *see* Raabe, J. 9—78916
Wnuk, M.P. Stable and unstable cleavage fracture in fully yielded components 9—64586
Wo-yuan Liu *see* Liu Wo-yuan
Wobig, D. *see* Bratter, P. 9—96018
Wobking, H. Theoretical and experimental investigations of the time dependence of the excess voltage at the ore mineral/pore electrolyte phase boundary layer. A contribution to the clarification of P effects in heavy metal minerals 9—84233
Wochna, Z., Kiczka, K. Isotonic capacitive transducer 9—66585
Wodarczyk, F.J., Harker, A.B. Molecular modulation study of the reaction of $Hg(6^3P_0)$ with Cl_2 9—57208
Wodkiewicz, K. Stochastic incoherences of optical Bloch equations 9—68373
Wodkiewicz, K. Non-Markovian resonance fluorescence 9—98021
Wodlinger, H., Kunov, H., Atwood, H.L. Electronic feature extractor for action potentials 9—84047
Wodnicki, R. *see* Kaliski, S. 9—94276
Woelk, G. *see* Teller, M. 9—68797
Woerden, H.van *see* van Woerden, H.
Woerdman, J.P. Doppler-free two-photon spectroscopy 9—50167
Woermann, D. *see* Simon, B. 9—92003
Woerner, R.L. *see* Kim, K. 9—49833
Woessner, G. Construction and test of a test apparatus for determining the efficiency of solar collectors with the ASE-test method 9—62100
Wofsy, S.C. *see* Prather, M.J. 9—58008
Wogman, N.A., Brodzinski, R.L., Brown, D.P. An instrument for monitoring the transuranic content of chopped leached hulls from spent nuclear fuel elements 9—85606
Wogman, N.A. *see* Brodzinski, R.L. 9—87933
Wogman, N.A. *see* Nielson, K.K. 9—85715
Wogman, N.A. *see* Silker, W.B. 9—92109
Wohl, D.H. *see* Carmeli, M. 9—67461
Wohlfahrt, H.D. *see* Yamazaki, Y. 9—64123
Wohlfahrt, K. Concentration and temperature profiles for complex reactions in porous catalysts 9—86523
Wohlfarth, E.P. Invar behaviour in crystalline and amorphous alloys 9—56489
Wohlfarth, E.P. The temperature dependence of the magnetic susceptibility of spin glasses 9—61125
Wohlfarth, E.P. The Curie temperatures of compounds of the heavy rare earths and yttrium with cobalt 9—65672
Wohlfarth, E.P. Some fundamental aspects of itinerant amorphous ferromagnetism 9—73664
Wohlfarth, E.P. *see* Wagner, D. 9—51789
Wohlleben, D. *see* Holland-Moritz, E. 9—60775
Wohlleben, D.K. *see* Mota, A.C. 9—61100
Wohn, F.K. *see* Duke, C.L. 9—67663
Wohn, F.K. *see* Hsu, H.H. 9—59019
Wohn, F.K. *see* Talbert, W.L., Jr. 9—67956
Wohnlich, M., Schade, D. Analysis and interpretation of rock parameters from a radial jack test 9—66689
Woirgard, J., Gerland, M. Investigation of the glass transition on atactic polystyrene by isothermal internal friction measurements 9—74191
Woirgard, J., Gerland, M., Riviere, A. Internal friction peaks related to mechanisms with high activation volumes 9—77677
Woit, J. *see* Jarsch, V. 9—89449
Wojcicki, S.G. *see* Barish, B.C. 9—63536
Wojcicki, S.G. *see* Brown, K.W. 9—80855
Wojcicki, S.G. *see* Dishaw, J.P. 9—85473
Wojciechowksi, M. *see* Adamski, P. 9—64990
Wojciechowska, H. *see* Stankowska, J. 9—87408
Wojciechowska, J. *see* Robalewski, A. 9—52701
Wojciechowski, B.W. *see* Hazlett, J.D. 9—73400
Wojciechowski, J., Pawelska, I. Infrared-to-blue up-converting phosphor 9—83004
Wojciechowski, K.F. *see* Kiejna, A. 9—78154, 9—99604
Wojciechowski, P., Kryszewski, M. Photoconductivity of double layer polymer-polymer systems doped with charge transfer complexes 9—87124
Wojciechowski, R.J. Magnetic dynamics of the singlet-triplet system in the paramagnetic phase 9—91203
Wojciechowski, W. *see* Matziol, K. 9—95726
Wojcik, L. *see* Craighead, H.G. 9—52037
Wojdowski, W., Nazarewicz, W., Lukasiewicz, T., Żmija, J. Infrared studies of lattice vibrations in $Bi_{12}GeO_{20}$ and $Bi_{12}SiO_{20}$ crystals 9—99879
Wojewodzki, W., Perdzynska, A. Determination of deflections of a viscoplastic rectangular plate under pressure impulse 9—64533
Wojno, W. Perturbation solution for rigid-viscoplastic spherical container 9—98626
Wojno, W., Wierzbicki, T. On perturbation solutions for impulsively loaded viscoplastic structures 9—50615
Wojslaw, R. *see* Giboni, K.L. 9—89204
Wojtal, R., Golnik, A., Gaj, J.A. Acceptor photoionization and light-to-heavy hole absorption in $Cd_{1-x}Mn_xTe$ 9—65908
Wojtaszek, M.R. *see* Oldakowski, C.C. 9—79342
Wojtczak, L. *see* Malinowska-Adamska, C. 9—77715
Wojtczak, L. *see* Mrygon, B. 9—73743
Wojtowicz, T. *see* McDowell, M.W. 9—72655
Wokowicz, M.D. Nucleation and crystal growth in sheared poly(1-butene) melts 9—69027
Wolbarsht, M.L., Landers, M.B., III Lasers in ophthalmology: the path from theory to application 9—79622
Wolbarst, A.B. *see* Clark, J.B. 9—78947
Wolber, J. Slide scanner with P^2CCD lines 9—49308
Wolch, W.L. *see* Barnes, B.D. 9—61598
Wolcyrz, M. *see* Kubiak, R. 9—91579
Wold, A. *see* Avignant, D. 9—65187
Wold, A. *see* Guen, L. 9—65660
Wold, A. *see* Koffyberg, F.P. 9—65378
Wold, A. *see* Merchant, P. 9—56262
Wold, E. *see* Moan, J. 9—66597
Wold, S. *see* Albano, C. 9—52796
Woldring, M.G. *see* Paans, A.M.J. 9—54696

Woldseth, R., Meyer, G.W. Multi-element quality control 9—54240
Wolf, A.P. *see* Ruth, T.J. 9—53240
Wolf, B. *see* Appenzeller, I. 9—67016
Wolf, B. *see* Isserstedt, J. 9—70966
Wolf, D. *see* Figueroa, D.R. 9—61250
Wolf, D. *see* Selbach, H. 9—78547
Wolf, D. *see* Suri, R.K. 9—61956
Wolf, D.A.de *see* de Wolf, D.A.
Wolf, E., Oppermann, H., Krabbes, G., Reichelt, W. Chemical transport of non-stoichiometric phases in the Fe-S and V-O systems 9—69972
Wolf, E. *see* Blietschau, J. 9—93396
Wolf, E. *see* Collett, E. 9—89843
Wolf, E. *see* Foley, J.T. 9—76583
Wolf, E. *(editor)* Progress in optics, vol.XVI 9—76577
Wolf, E.A.de *see* de Wolf, E.A.
Wolf, E.E. *see* Guzman, G.L. 9—96362
Wolf, E.L., Noer, R.J. Determination of the energy gap in $Nb_{0.75}Zr_{0.25}$ using a proximity tunneling method 9—56404
Wolf, E.L., Noer, R.J. Mcmillan-Rowell tunneling spectroscopy in the Nb-Zr system 9—60985
Wolf, E.L., Zasadzinski, J., Osmun, J.W., Arnold, G.B. Quantitative proximity tunneling spectroscopy 9—91193
Wolf, G. The PETRA programme 9—97918
Wolf, G. *see* Alekseevskii, N.E. 9—51710
Wolf, G. *see* Brandelik, R. 9—63491, 9—93441
Wolf, G. *see* Toennies, J.P. 9—89739
Wolf, G. *see* Wiik, B.H. 9—80833
Wolf, H. Optical scanning systems for identifying three-dimensional objects and their spatial position 9—71405
Wolf, H. Collocation with the help of the Gaussian algorithm 9—79730
Wolf, H. *see* Camani, M. 9—57279
Wolf, H. *see* Camania, M. 9—56656
Wolf, K.E. *see* Vivion, M.C. 9—100632
Wolf, K.L., Gutbrod, H.H., Meyer, W.G., Poskanzer, A.M., Sandoval, A., Stock, R., Gosset, J., King, C.H., King, G., Sen, N.V., Westfall, G.D. Pion production in the $^{40}Ar+^{40}Ca$ reaction at 1.05 GeV/nucleon 9—63693
Wolf, K.L. *see* Breuer, H. 9—76020
Wolf, K.L. *see* Hilscher, D. 9—93591, 9—93653
Wolf, L., Faya, A. A BWR subchannel code with drift flux and vapor diffusion transport 9—59149
Wolf, L. *see* Drobnik, A. 9—91458
Wolf, L. *see* Modares, M. 9—49784
Wolf, M.A. *see* Umbarger, C.J. 9—68165
Wolf, M.G. *see* McGinnis, L.D. 9—57906
Wolf, P.E., Perrin, B. Taylor vortex instability in Couette flow of normal helium 9—98683
Wolf, R. *see* Billan, J. 9—72049
Wolf, R.P. *see* Stahl, F.A. 9—51204
Wolf, S. *see* Abraham, D. 9—56378
Wolf, S.A. *see* Gubser, D.U. 9—56394, 9—71499
Wolf, W., Hauske, G., Lupp, U. Adaptive filters and eye movements in perception 9—53153
Wolf, W.P. *see* Kinney, W.I. 9—78401
Wolfbeis, O.S., Knierzinger, A. Luminescent heterocyles. IX. pH dependent fluorescence spectra of chromone, 2-methylchromone and 7-hydroxy-2-methylchromone. I. Chromones fluorescence, ground and excited state pKa, tautomerism 9—59506
Wolfe, A.M., Davis, M.M. Detection of 21-cm absorption at $Z \approx 1.8$ in the quasi-stellar object 1331+170 9—75292
Wolfe, C.M. *see* Holonyak, N., Jr. 9—65538
Wolfe, D.A. The Amoco Cadiz oil spill. A summary of observations made by US scientists 23 March-10 May, 1978 9—62155
Wolfe, G.W. PIXE analysis of atmospheric gases 9—53005
Wolfe, J.H. *see* Intriligator, D.S. 9—96861
Wolfe, J.H. *see* Mihalov, J.D. 9—84621
Wolfe, J.H. *see* Smith, E.J. 9—58213
Wolfe, J.W. *see* Furman, J.M. 9—100600
Wolfe, M., Bonekamp, J., Jonas, J. Transport and relaxation in mesophase of organic salt melt 9—69008
Wolfe, P. Diffraction of a plane wave by a circular disk 9—53984
Wolfe, R. *see* Blank, S.L. 9—82844
Wolfe, R. *see* Nelson, T.J. 9—78475
Wolfe, R.G. *see* Goto, K. 9—91542
Wolfe, S. *see* Kost, D. 9—89608
Wolfe, S. *see* Overskei, D.O. 9—60173
Wolfe, S. *see* Schuss, J.J. 9—82078
Wolfe, S.M. *see* Temkin, R.J. 9—60159
Wolfe, W.L. *see* Thompson, C.J.C. 9—82938
Wolfel, H. *see* Marquerre, K. 9—80439
Wolfel, M. *see* Euler, K.-J. 9—69485
Wolfendale, A.W. Gamma ray astronomy 9—53727
Wolfendale, A.W. Origin of cosmic rays 9—80117
Wolfendale, A.W. *see* Kiraly, P. 9—66892
Wolfendale, A.W. *see* Protheroe, R.J. 9—92895
Wolfenden, A. A rapid method of deducing the nature of irradiation induced dislocation loops 9—51113
Wolfenstein, K. Problem of the isoscalar axial-vector current in neutral-current phenomenology 9—93316
Wolfenstein, L. Effects of matter on neutrino oscillations 9—75760
Wolfer, W.G. Theory of irradition creep 9—55817
Wolfer, W.G. *see* Conn, R.W. 9—71974
Wolfer, W.G. *see* Garner, F.A. 9—61679
Wolff, C., Silberberg, A., Priel, Z., Layec-Raphalen, M.N. Influence of the association of macromolecules in dilute solution on their reduced viscosity 9—90518
Wolff, C. *see* Dandridge, A. 9—81834
Wolff, C. *see* Nierlich, M. 9—77484
Wolff, D.A. *see* Pfeffer, H. 9—68043
Wolff, E.G., Eselun, S.A. Thermal expansion of a fused quartz tube in a dimensional stability test facility 9—58779
Wolff, H. *see* Landeck, H. 9—82351
Wolff, L.R. Determination of crystallographic relations in in situ composites by texture goniometry 9—86654
Wolff, M. *see* Kempken, M. 9—97799
Wolff, P.A. *see* Khan, M.A. 9—89960
Wolff, P.H.W. *see* Vaughan, R.D. 9—97802
Wolff, P.M.de *see* de Wolff, P.M.
Wolff, R.G. *see* Keys, W.S. 9—79767
Wolff, R.S., Goldstein, B.E., Kumar, S. A model of the variability of the Venus ionopause altitude 9—75128
Wolff, R.S. *see* Ku, W.H.-M. 9—84865
Wolff, S. *see* Berger, C. 9—49519
Wolff, S. *see* Knopf, U. 9—68040
Wolff, S.C., Beichman, C.A. The physical properties and orbital parameters of the B0 Ia star HD 152667=V861 Scorpii: a supergiant with a black hole companion? 9—71067
Wolff, W. *see* Elben, W. 9—92963
Wolfle, P. Ultrasonic properties of the A and B phases of ^3He 9—65278
Wolfle, P., Einzel, D. Transport coefficients of superfluid ^3He-B 9—51342
Wolfle, P. *see* Gotze, W. 9—60672
Wolfli, W. *see* Meyerhof, W.E. 9—49978, 9—67768, 9—89768
Wolfli, W. *see* Suter, M. 9—52801
Wolford, D.J., Streetman, B.G., Shui Lai, Klein, M.V. Resonant excitation of bound exciton luminescence in $GaAs_{1-x}P_x$ alloys 9—95840
Wolfram, S. Weak effects in Σ^0 decay 9—89160
Wolfram, S. *see* Politzer, H.D. 9—49437
Wolfram, T., Ellialtioglu, S. Model for the X-ray photoelectron distributions of d-band perovskites 9—61491
Wolfrat, J. *see* Arko, A.J. 9—56116, 9—65369
Wolfrat, J.C. *see* De Boer, R.W. 9—96539
Wolfrum, J. *see* Donovan, R.J. 9—53499
Wolfrum, J. *see* Schmatjko, K.J. 9—66289
Wolfsberg, M. Effect of vibrational anharmonicity on the equilibrium $H_2O+D_2O=2$ HDO 9—74410
Wolfsberg, M., Bopp, P., Heinzinger, K., Mallinson, P.D. Theoretical evaluation of the distribution of ^{13}C in cyanoacetylene at thermodynamic equilibrium 9—59590
Wolfsberg, M., Peter, E.A. The calculation of vibrational mean square amplitudes of molecular internal coordinates by a perturbation theory technique 9—89659
Wolfson, C.J. *see* Parkinson, J.H. 9—96979
Wolfson, J. *see* Ammosov, V. 9—71737
Wolfson, J. *see* Berge, J.P. 9—71741
Wolfson, J. *see* Efremenko, V.I. 9—75763
Wolfson, N. *see* Cohen, A. 9—89847
Wolfson, S.K., Jr., Lydon, J.C., Yao, S.J., Keller, R.W., Jr. Precision zone detection in thin-layer chromatography 9—74456
Wolfstieg, U. *see* Han-Jong Yu 9—66075
Wolga, G.J. *see* Dutta, N. 9—72623
Wolicki, E.A. Analysis of metal corrosion 9—52448
Wolinski, K., Sadlej, A.J. On the reliability of the MINDO/3 dipole moment derivatives 9—59599
Wolinski, K., Sadlej, A.J. Electric-field-variant orbitals. EFV GTO basis set for quadrupole polarizability calculations 9—76359
Wolinski, W. *see* Kesik, J. 9—76716, 9—98424
Wolke, K. *see* Amian, W. 9—67871
Wolkenberg, A. Trapping properties of the silicon-silicon dioxide interface from electrochemical current-voltage behaviour 9—69597
Wolkenberg, A., Maczynski, S., Wasilewska, B. Electrochemical method to determine physical surface properties of rare-earth and manganese fluoride doped CdF_2 crystals 9—87508
Wolkenberg, A., Wasilewska, B. Properties of boron implanted silicon dioxide 9—65106
Wollants, P., De Bonte, M., Delaey, L., Roos, J.R. Thermodynamic analysis of the work performance of a martensitic transformation under stressed conditions. I. Theoretical considerations 9—74153
Wollants, P., De Bonte, M., Delaey, L., Roos, J.R. Thermodynamic analysis of the work performance of a martensitic transformation under stressed conditions. II. Numerical analysis 9—87635
Wollast, R. *see* Caschetto, S. 9—92524
Wollenberger, H. *see* Bartels, A. 9—77637
Wollensak, J. *see* Hoenders, H.J. 9—62236
Wollherr, H., Kuhl, W. Research on the insulation of structure-borne sound on pipe-lines 9—50501
Wollnik, H. Special ion detectors which reduce the contamination in electromagnetic isotope separators or spectrometers 9—67420
Wollnik, H. *see* Epherre, M. 9—54383
Wollschlaeger, P.B. *see* Lin, J.C. 9—74737
Wollstadt, M. *see* Brandelik, R. 9—63491, 9—93441
Wolniewicz, L., Dressler, K. The $H\bar{H}^1\Sigma_g^+$ state and the predicted $\bar{H}^1\Sigma_g^+ - B^1\Sigma_u^+$ transition of hydrogen 9—98094
Wolniewicz, L. *see* Dressler, K. 9—59431
Woloshyn, R.M. Weak interaction effects in low energy pion photoproduction 9—71758
Woloshyn, R.M. *see* Greben, J.M. 9—85500
Woloshyn, R.M. *see* Saharia, A.N. 9—76028
Woloszynska, K. *see* Perzyna, P. 9—68614
Wolowski, J. *see* Denus, S. 9—68939
Wolowski, J. *see* Kaliski, S. 9—94276
Wolowyk, M.W. *see* Dewar, C.L. 9—74812
Wolpaw, J.R. Electromagnetic muscle stretch strongly excites sensorimotor cortex neurons in behaving primates 9—88073
Wolschendorf, K., Muller-Deile, J., Vanselow, K., Heuck, F. A precision quotient method for densitometric evaluation of Roentgen cinefilms 9—53214
Wolstencroft, R.D., Smith, R.J. Spectropolarimetry of the methane and ammonia bands of Jupiter between 6800 and 8200 Å 9—66955
Wolstenholme, J. *see* Bordoli, R.S. 9—90876
Wolstenholme, P. *see* Keyser, R. 9—72050
Wolter, H.H. *see* Landowne, S. 9—76018
Wolter, H.H. *see* Takemasa, T. 9—85245
Wolter, W. *see* Hand, L. 9—75979
Wolters, G.F. *see* Mazzucato, M. 9—89148
Wolters, R.A. *see* Crowther, R.L. 9—59138, 9—67844, 9—81001
Woltjer, L. Supernovae and cosmic rays 9—53846
Woltjer, L. *see* Setti, G. 9—75294
Woltman, A.W. *see* Hartwig, W.H. 9—58722
Wolynes, P.G. *see* Skinner, J.L. 9—80499
Womack, D.R. *see* Miller, T.G. 9—89915
Womack, K.H. *see* Hopf, F.A. 9—89956
Womble, M.E. *see* Zied, A.M. 9—79506
Won, D.J. *see* Sigl, A.B. 9—100916
Won Koo Park *see* Key Soon Lee 9—70123
Won Yu Phil *see* Phil Won Yu
Wondre, F.R. *see* Wanklyn, B.M. 9—65991
Wong, B., Pask, J.A. Models for kinetics of solid state sintering 9—78912
Wong, B., Pask, J.A. Experimental analysis of sintering of MgO compacts 9—78918
Wong, C., Brown, V.R., Madsen, V.A., Grimes, S.M. (p,n) reaction to ground- and excited-state analogs on the samarium isotopes: importance of two-phonon coupling effects 9—89277
Wong, C. *see* Hansen, L.F. 9—93612
Wong, C.M., Cate, J.L., Pickles, W.L. Preparation of uranium standard solutions for X-ray fluorescence analysis 9—81053
Wong, C.-P., Berry, G.C. Rheological studies on concentrated solutions of heterocyclic polymers 9—68671
Wong, C.Y. *see* Van Bibber, K. 9—97723
Wong, D., Swette, L., Cocks, F.H. Aluminum corrosion in uninhibited ethylene glycol-water solutions 9—70222
Wong, D.Y., Markel, J.D., Gray, A.H., Jr. Least squares glottal inverse filtering from the acoustic speech waveform 9—86304
Wong, E.Y. *see* Runciman, W.A. 9—99927
Wong, F., Lantz, R.C., Mauro, A. The role of calcium ions in the suppression of the photoresponse during anoxia and application of metabolic inhibitors 9—62252
Wong, F. *see* Saha, S. 9—92286
Wong, G.K. *see* Saha, S.K. 9—60263, 9—86214
Wong, G.S.K. Precision AC-voltage-level measuring system for acoustics 9—50545
Wong, H. *see* Terner, U.K. 9—62217
Wong, H.K.T. *see* Nriagu, J.O. 9—83644
Wong, H.L., Trifunac, M.D. A note on an instrumental comparison of the Modified Mercalli (MMI) and the Japanese Meteorological Agency (JMA) intensity scales, based on computed peak accelerations 9—62443
Wong, H.Y. A means of controlling bluff body flow separation 9—72881
Wong, J. An electrochemical model of the induced-polarization phenomenon in disseminated sulfide ores 9—92526
Wong, J. *see* Shirachi, D. 9—83770
Wong, J.K.C., Brumer, P. Multiple scattering theory. III. Reactive scattering in first order 9—66265
Wong, K.L. Experimental observation of current generation by unidirectional electron plasma waves 9—82058
Wong, M.K.F., Yeh, H.-Y. Lowering and raising operators of IU(n) and IO(n) and their normalization constants 9—58569
Wong, P.M., Bettess, P. Elastic buckling of rectangular clamped plates 9—68606
Wong, P.T.T. *see* Cahay, R. 9—82968
Wong, P.T.T. *see* Nakahara, M. 9—94000
Wong, P.T.T. *see* Ripmeester, J.A. 9—82882
Wong, P.Y. *see* Kushneriuk, S.A. 9—59262
Wong, P.Y. *see* Selander, W.N. 9—97771

Wong, S.F. *see* Wing-Cheung Tam 9—49334
Wong, S.P. *see* Suen, W.M. 9—81682
Wong, T.F. *see* Bronzan, J.B. 9—71709
Wong, W.F. *see* Kim, Y.C. 9—72987
Wong How-Sen *see* How-Sen Wong
Wong Yue-Chau *see* Yue-Chau Wong
Wong-Ng, W. *see* Nyburg, S.C. 9—73127
Wongtawatnugool, C. *see* Dy, K.S. 9—55850
Wongwiwat, K., Murr, L.E. Shock-induced cracks in molybdenum sheet 9—57087
Wonn, H. *see* Muller, C. 9—51480
Wonneberger, W. Stochastic theory of harmonic microwave mixing in periodic potentials 9—65460
Wonsiewicz, B.C. Advances in the automatic determination of pole figures 9—87819
Wonsiewicz, B.C., Plewes, J.T., Chin, G.Y. Coldformable Cr-Co-Fe alloys for use in the telephone receiver 9—52227
Wonsiewicz, B.C. *see* Carry, C. 9—99210
Woo, C.H. *see* Bullough, R. 9—99246
Woo, C.H. *see* Kim, S.T. 9—85208
Woo, C.W. *see* Anderson, G.M. 9—85743
Woo, C.W. *see* Senbetu, L. 9—55997
Woo, D.M., Lua, A.C. Plastic deformation of anisotropic tubes in hydraulic bulging 9—61688
Woo, G.C., Woodruff, M.E. The AO SR III Subjective Refraction System: comparison with phoropter measures 9—83953
Woo, H.K., Huang, C.L.D. Applications of the fundamental solution for a thermal shock on a finite orthotropic cylindrical thin shell 9—68587
Woo, K.W. *see* Tokuhiro, T. 9—99781
Woo, M., Marsh, P. Analysis of error in the determination of snow storage for small high Arctic basins 9—70817
Woo, R. *see* Armstrong, J.W. 9—70995
Woo, S.B. *see* Stehman, R.M. 9—93961
Woo, T.W., Salaita, N. Production cross sections for (n,t) reactions in some medium and heavy mass nuclei at 14.6 MeV 9—49629
Woo Chia-Wei *see* Chia-Wei Woo
Woo Ha Chung *see* Chung Woo Ha
Woo Kim Hyun *see* Hyun Woo Kim
Wood, A.K.W., Blockey, deB., Reynolds, K.M., Leith, I.S., Burns, P.A. Skin and gonadal dose reduction during hip radiography of the bull 9—100743
Wood, B.D. *see* Streed, E.R. 9—74541
Wood, B.E. *see* Grimmer, D.P. 9—83574
Wood, B.J. *see* McCarty, J.G. 9—82452
Wood, C., Hillier, I.H. On the calculation of the valence ionization energies of SiO 9—68185
Wood, C.E.C. *see* Chandra, A. 9—91170
Wood, D. *see* Howlett, P.H. 9—83963
Wood, D.A. *see* Williams, D.R. 9—87910
Wood, D.J., Underhill, A.E., Schultz, A.J., Williams, J.M. Electrical conduction studies on one-dimensional $Cs_2[Pt(CN)_4](FHF)_{0.39}$ and $Rb_2[Pt(CN)_4](FHF)_{0.40}$ 9—69504
Wood, D.J., Underhill, A.E., Williams, J.M. Electrical conduction studies on $Cs_2[Pt(CN)_4]Cl_{0.3}$. The first anhydrous tetracyanoplatinate chloride 9—78087
Wood, D.J. *see* Carneiro, K. 9—95393
Wood, D.R., Morgan, D.V. The effect of heat treatment on unpassivated and passivated gallium arsenide surfaces 9—73383
Wood, D.R. *see* Chi-Chang Chiang 9—92032
Wood, D.R. *see* Lifshitz, A. 9—80698
Wood, E.F., Szollosi-Nagy, A. An adaptive algorithm for analyzing short-term structural and parameter changes in hydrologic prediction models 9—53381
Wood, E.H. CT scan visualization of the circulatory system 9—79625
Wood, E.H. Evolution of instrumentation and techniques for the study of cardiovascular dynamics from the thirties to 1980 9—83983
Wood, E.H. *see* Robb, R.A. 9—53224, 9—66520
Wood, E.L. *see* Porter, D.L. 9—77644
Wood, G. *see* Bursill, L.A. 9—58844
Wood, G.A. *see* Hayes, K.C. 9—79510
Wood, G.C. *see* Furneaux, R.C. 9—74289
Wood, G.C. *see* Thompson, G.E. 9—70229
Wood, G.H., Nadon, L.A. Enhancement of Pb film thermal-cycling stability by deposition on substrates having a relatively large thermal-expansion coefficient. [Josephson junction fabrication] 9—87200
Wood, G.J. *see* Netherway, D.J. 9—94948
Wood, G.T., Casper, K.J. Generation and reproduction of integrated problem sets 9—58479
Wood, I.G. *see* Hidaka, M. 9—69240
Wood, J.C. The structure of iron-carboxylic acid surface films 9—74294
Wood, J.C., Surette, B.A. Pellet/cladding interaction—evaluation of lubrication by graphite 9—67857
Wood, J.C. *see* Hardy, D.G. 9—49701
Wood, J.C. *see* Hunt, C.E.L. 9—93737
Wood, J.H. *see* Boring, M. 9—85911, 9—85912
Wood, J.H. *see* Poirier, S.J. 9—74582
Wood, J.L. *see* Braga, R.A. 9—67719
Wood, J.L. *see* Gnada, B.E. 9—81141
Wood, J.V., Honeycombe, R.W.K. Splat quenching of a nickel-chromium steel containing boron and titanium additions 9—74186
Wood, J.V., Mills, P.F., Bingham, J.K., Bee, J.V. Structure and initial precipitation in a rapidly solidified nickel superalloy 9—78982
Wood, K.S. *see* Friedman, H. 9—62722
Wood, L. *see* Weaver, T.A. 9—93834
Wood, L.L. *see* Marling, J.B. 9—55216
Wood, L.M. *see* Hager, G.D. 9—81449
Wood, M.H. An analysis of observations of fission gas bubble distributions in fuel 9—71890
Wood, M.H. Modelling bubble nucleation and fission-induced re-solution in nuclear fuel 9—71891
Wood, M.H. *see* Matthews, J.R. 9—97826
Wood, O.R., II, Maloney, P.J., Adams, C.R., Smith, P.W. Modes of operation of waveguide TE CO_2 lasers 9—81451
Wood, O.R., II *see* Silfvast, W.T. 9—94217
Wood, R.A. *see* Harrison, R.G. 9—98444
Wood, R.F. *see* Wang, J.C. 9—69148
Wood, R.F. *see* Young, R.T. 9—69138
Wood, R.L. *see* Baker, J.M. 9—95677
Wood, R.R., Curtiss, C.F. Angular and rotational energy moments of cross sections in atom-diatom scattering 9—81261
Wood, R.R., Curtiss, C.F. Effects of rotationally inelastic collisions on gaseous transport coefficients 9—82020
Wood, S.H., Elliott, M.R. Early 20th-century uplift of the Northern Peninsular Ranges province of southern California 9—79796
Wood, S.I. *see* Bawden, D. 9—83541
Wood, T.E. *see* Day, P. 9—61082
Wood, T.H., Klein, M.V. Raman scattering from carbon monoxide adsorbed on evaporated silver films 9—78672
Wood-Anderson, G., Verble, J.L. Raman spectra of vanadium phosphate glasses 9—78667
Woodall, D.M. Image current interaction with a reversed-current ion ring reactor 9—85778
Woodall, J.M. *see* Freeouf, J.L. 9—98483
Woodall, J.M. *see* Olowolafe, J.O. 9—56308
Woodall, K.B. *see* Mannik, L. 9—94095
Woodall, M.A., II *see* McNutt, J.D. 9—94092
Woodard, D.W. *see* Chandra, A. 9—91170
Woodard, J. *see* Beek, B. 9—94419
Woodbury, D.A., Rabson, T.A., Tittel, F.K. Hologram indexing in $LiNbO_3$ with a tunable pulsed laser source 9—94186
Woodbury, G., Jr. *see* Christensen, R.A. 9—82326
Woodbury, G.E. *see* Remsbuerg, E.E. 9—92563
Woodcock, C.L.F. *see* Drake, G.F. 9—49241
Woodcock, D.L., Fawzy, I., RED Bishop Comments on 'the nature of resonance in non-conservative systems' [with authors' reply] 9—80426
Woodcock, G.R. Solar power satellites—the engineering challenges 9—96465
Woodcock, K.E. Catalytic coal gasification exploratory research program 9—52871
Woodcock, P.G., Waddington, T.C., Yarwood, J. Neutron quasi-elastic scattering studies on the rotational motions in liquid acetonitrile 9—50979
Woodgate, B.E., Lucke, R.L., Socker, D.G. Detection of one million degree gas in the supernova remnant IC 443 9—53875
Woodgate, G.K. *see* Baird, P.E.G. 9—50154
Woodhams, F.W.D. *see* Holbourn, P.E. 9—97931
Woodhouse, J. *see* McIntyre, M.E. 9—98566
Woodin, R.L., Bomse, D.S., Beauchamp, J.L. Multiphoton dissociation of molecules with low power CW infrared lasers: collisional enhancement of dissociation probabilities 9—68277
Wooding, R.A. Large-scale geothermal field parameters and convection theory 9—66663
Woodley, R.E., Adamson, M.G. The oxygen potential of near- and non-stochiometric urania-25 mol.% plutonia solid solutions: A comparison of thermogravimetric and galvanic cell measurements 9—63744
Woodman, R.F. *see* Rottger, J. 9—100895
Woodriff, R. *see* Hageman, L. 9—83521
Woodriff, R. *see* Nichols, J.A. 9—74795
Woodruff, G.L. *see* Dudziak, D.J. 9—85802
Woodruff, M.E. *see* Woo, G.C. 9—83953
Woodruff, S.B., Thompson, D.L. A quasiclassical trajectory study of vibrational predissociation of van der Waals molecules: Collinear $He...I_2(B^3\Pi)$ 9—87839
Woodruff, W.H. *see* Dallinger, R.F. 9—98102
Woods, A.C., Scourfield, M.W.J., Boynton, D., Roach, M.A. Plasmasphere convection patterns observed simultaneously from two ground stations 9—62673
Woods, A.D.B., Martel, P., Svensson, E.C. Low-momentum-transfer neutron scattering in non-superfluid liquid helium-4 9—55647
Woods, A.D.B. *see* Sears, V.F. 9—50980
Woods, A.D.B. *see* Svensson, E.C. 9—55973
Woods, C.H. Reply to comments by Albert J. Hatch [Magnetohydrodynamic equilibrium of plasma confined in a spherical microwave cavity] 9—68912
Woods, C.W. *see* Hanson, D.L. 9—63585
Woods, J. *see* Cutter, J.R. 9—91573
Woods, J. *see* Sethi, B.R. 9—51600
Woods, J.D., Minnett, P.J. Analysis of mesoscale thermoclinicity with an example from the tropical thermocline during GATE 9—88359
Woods, J.P., Jr. *see* Noll, A.M. 9—74786
Woods, L.C. Transport processes in dilute gases over the whole range of Knudsen numbers. I. General theory 9—86467
Woods, S.B. *see* Singh, R.L. 9—69505
Woodsum, H.C., Kaufman, C. Does mode coupling affect multipath time stretching? 9—98536
Woodward, A.E. *see* Wichacheewa, P. 9—61861
Woodward, J. Scientific explanation 9—97171
Woodward, J.F. *see* Treder, H.-J. 9—85040
Woodward, R.L. Metallographic features associated with the penetration of titanium alloy targets 9—79046
Woodward, R.L., Aghan, R.L. The structure of a white-etching band in an explosively fractured steel 9—61722
Woodwark, D. *see* Day, P. 9—61082
Woodwark, D.R. *see* Denning, R.G. 9—69853, 9—73476
Woodwark, D.R. *see* Thornton, G. 9—72355
Woodworth, J.G., McNeill, K.G., Jury, J.W., Alvarez, R.A., Berman, B.L., Faul, D.D., Meyer, P. Photonuclear cross sections for ^{18}O 9—63656
Woodworth, J.G. *see* Johnson, R.G. 9—89288
Woodworth, J.G. *see* Jury, J.W. 9—63657
Woodworth, P.L. *see* Armstrong, T.A. 9—85344
Woodworth, P.L. *see* Brandelik, R. 9—63491, 9—93441
Woody, D.P., Nishioka, N.S., Richards, P.L. A new measurement of the cosmic black body radiation 9—71161
Woody, D.P. *see* Dolan, G.J. 9—51722
Wook Bae Lee, Solomon, S.C. Simultaneous inversion of surface-wave phase velocity and attenuation: Rayleigh and Love waves over continental and oceanic paths 9—92488
Woolf, L.D., Johnston, D.C., MacKay, H.B., McCallum, R.W., Maple, M.B. Superconducting and normal state properties of $ErRh_4B_4$ and $LuRh_4B_4$ 9—73632
Woolf, L.D., Tovar, M., Hamaker, H.C., Maple, M.B. Low-temperature heat capacity and AC magnetic susceptibility of the re-entrant ferromagnetic superconductor $Ho_{1.2}Mo_6S_8$ 9—60948
Woolf, L.D. *see* Hamaker, H.C. 9—82730
Woolf, L.D. *see* McCallum, R.W. 9—51720
Woolf, N.J. *see* Scharlach, W.W.G. 9—88685
Woolf, N.J. *see* Thompson, I. 9—53906
Woolf, S. *see* Garth, J.C. 9—85098
Woolfe, G.J. *see* Thistlethwaite, P.J. 9—59502
Woolfson, M.M. Star formation in a galactic cluster 9—62878
Woolfson, M.M. *see* Declercq, J.P. 9—73062
Woolhiser, D.A., Pegram, G.G.S. Maximum likelihood estimation of Fourier coefficients to describe seasonal variations of parameters in stochastic daily precipitation models 9—53481
Woolhiser, D.A. *see* Brazil, L.E. 9—52971
Woollam, J.A., Alterovitz, S.A. Indirect measurements of Fermi surface parameters of some Chevrel phase materials 9—60686
Woollam, J.A., Alterovitz, S.A. Electronic properties of $PbMo_6S_8$ and $Cu_xMo_6S_8$ 9—60850
Woollam, J.A. *see* Alterovitz, S.A. 9—69642
Woollam, P. The main radiation problem—protecting the workers 9—59267
Woollam, V.J. *see* Vojdani, S. 9—57377, 9—74500
Woollard, M.G. *see* Griffiths, R.T. 9—87957
Woolley, A.M. *see* Doran, N.J. 9—60704, 9—95312
Woolley, R.G. *see* Kok Wai Chang 9—95358
Woolson, W.A., Gritzner, M.L. Radiation transport analyses for borehole logging probes 9—53565
Woon Sang Yu, Sagerman, R.H., King, G.A., Chung, C.T., Yu, Y.W. The value of computed tomography in the management of bladder cancer 9—88160
Woong Lee Choong *see* Lee Choong Woong
Woosley, R.L. *see* Higgins, S.B. 9—70677
Wooster, W.G., Oldfield, M.L.G. User's handbook for GT8 galvanometer drive amplifier system 9—63204
Wooten, B.R. *see* Fuld, K. 9—57660
Wooten, B.R. *see* Werner, J.S. 9—62258
Wooten, F. *see* Alward, J.F. 9—95325
Wooten, F. *see* Weaire, D. 9—90556
Wootten, A. Detection of star formation regions near supernova remnant W44 9—58399
Wootton, A.J. Measurements of plasma shape in a Tokamak 9—73039
Wootton, P. *see* Weaver, K.A. 9—70646
Wootton, R.J., Newman, D.J.S. Whitefly have the highest contraction frequencies yet recorded in non-fibrillar flight muscles 9—83835
Wopersnow, W. *see* Loebich, O., Jr. 9—51055
Worcester, D.L. Structural origins of diamagnetic anisotropy in proteins 9—92136
Worchesky, T.L. *see* Sattler, J.P. 9—59449
Worden, E.F., Conway, J.G. Laser spectroscopy of neptunium; first ionization potential, lifetimes and new high-lying energy levels of Np I 9—76370
Worden, J.R., Bailey, G.F. Fulfilling future uranium requirements planning amidst uncertainty 9—63792
Worden, S.P. *see* Giampapa, M.S. 9—53784

Worden, S.P. *see* Schneeberger, T.J. 9—92773
Work, R.N. Angular correlation in linear copolymers from the compositional dependence of their dipole moments. VI. Time dependent correlations in poly(4-chlorostyrene, 4-methylstyrene) copolymers 9—73881
Wörkum, J.Van *see* Van Workum, J.
Worlikar, R.M. *see* Dhond, R.V. 9—70645
Worlock, J.M. *see* Gordon, J.P. 9—88999
Wormer, D.Van *see* Van Wormer, D.
Wormer, K.A.Van *see* Van Wormer, K.A.
Wormer, P.E.S., Van Dijk, G. Ab initio calculations of the collision-induced dipole in He-H_2. II. SCF results and comparison with experiment 9—89737
Wormsbecher, R. *see* Prigo, R.B. 9—97154
Worraker, W.J., Richardson, A.T. The effect of temperature-induced variations in charge carrier mobility on a stationary electrohydrodynamic instability 9—77269
Worrell, W.L. *see* Luthra, K.L. 9—79162
Worrell, W.L. *see* Nagelberg, A.S. 9—100396
Worrrall, D.M. *see* Lamb, R.C. 9—97101
Worsley, T.R., Davies, T.A. Sea-level fluctuations and deep-sea sedimentation rates 9—88365
Wort, D.J.H., Brown, C.G., Plumbe, R.D. The hyperfine structure of 4 eV odd levels in uranium 9—81171
Wortberg, G. *see* Garen, W. 9—94679
Wortberg, G. *see* Synofzik, R. 9—98761
Worth, J.P., Trickey, S.B. Augmented plane wave calculation of the zero-temperature isotherm of solid xenon 9—73128
Worthington, J.N. *see* Braid, T.H. 9—60414
Worthley, B.W., Haskard, D.L., Tooze, M.J. Whole skin electron beam rotation therapy 9—88172
Worthy, P.R. *see* Hochmuth, R.M. 9—57683
Wortis, M. *see* Grinstein, G. 9—61129
Wortis, M. *see* Imry, Y. 9—73289
Wortman, D.E. *see* Esterowitz, L. 9—95836
Wortman, J.J. *see* Liepins, R. 9—52148
Wortmann, G. *see* Dornow, V.A. 9—76253
Wortmann, G. *see* Kaindl, G. 9—87358
Wortmann, G. *see* Moser, J. 9—56643
Wortmann, G. *see* Wagner, F.E. 9—82906
Worts, W.H. *see* Heaney, R.K. 9—70407
Woryna, E. *see* Denus, S. 9—68939
Woschni, E.-G. Relations between the different dynamic error definitions in measurement engineering and conclusions for practical use 9—97337
Wosiek, B. *see* Hand, L. 9—75979
Wosiek, J., Zalewski, K. On the master equations for parton distributions 9—80792
Wosik, J. *see* Witek, A. 9—82275
Woskoboinikow, P., Praddaude, H.C., Mulligan, W.J. Saturable gas absorber for a 9-μm-band CO_2-laser amplifier 9—76709
Woskoboinikow, P., Praddaude, H.C., Mulligan, W.J., Cohn, D.R., Lax, B. High-power tunable 385-μm D_2O vapor laser optically pumped with a single-mode tunable CO_2 TEA laser 9—55145
Woskressenski, W.A., Sokolowa, J.A., Gotlib, J.M., Selenew, J.W. Programmed alterations of the properties of epoxy resins by reactive elastomers 9—100106
Woste, L. *see* Herrmann, A. 9—50031, 9—54995
Wostenholm, G.H. *see* Morton, N. 9—65426
Wotschack, J. *see* de Groot, J.G.H. 9—49462, 9—49521, 9—75764, 9—85292
Wotschack, J. *see* Groot, J.G.H. 9—93395
Wouch, G., Gray, E.L., Frost, R.T., Lord, A.E., Jr. Estimation of thermodynamic properties from solidification and cooling curves of containerless melts in the terrestrial environment and in space 9—70052
Woude, A.van der *see* van der Woude, A.
Woude, A.Der *see* Der Woude, A.
Woude, F.van der *see* van der Woude, F.
Woude, F.Van Der *see* Van Der Woude, F.
Wouterloot, J.G.A., Dekker, E. The detection of planetary nebulae near the galactic centre at radio wavelengths. I 9—71096
Wouters, A.W. *see* Kohen, E. 9—53073
Woyewoda, A.D., Sipos, J.C. More with less [semi-automated thin-layer chromatography] 9—74466
Woywode, N. *see* Lewin, G. 9—50688
Wozniak, D.G. *see* Kirk, M.A. 9—61470
Wozniak, G.J. *see* Mathews, G.J. 9—54455
Wozniak, M. *see* Houttemane, C. 9—99172
Wozny, G. *see* Knoche, K.F. 9—74413
Wozny, M. *see* Babicz, B. 9—85113
Wrackmeyer, B. Carbon-13 NMR spectroscopy of boron compounds 9—89691
Wragg, A.A. *see* Sedahmed, G.H. 9—57143
Wray, J.S. Filament geometry and the activation of insect flight muscles 9—83750
Wrede, D., Tai, D., Edwards, F., Coffey, C., Schroader, K. An intercomparison between two methods of obtaining percentage depth doses for irregular shaped fields and comparison of each method with experimental data for ^{60}Co and 10 MV X-rays 9—53250
Wren, A.G., Phillips, R.W., Tolentino, L.U. Surface reactions of chlorine molecules and atoms with water and sulfuric acid at low temperatures 9—79288
Wren, A.G. *see* Judeikis, H.S. 9—70477
Wrenn, G.L., Johnson, J.F.E., Sojka, J.J. Stable 'pancake' distributions of low energy electrons in the plasma trough 9—70933
Wreszinski, W. *see* Cattaneo, U. 9—80767
Wriedt-Lubbe, I. *see* Petrowicz, O. 9—100698
Wriekat, A. *see* Adams, G.S. 9—80915
Wriggers, P. Calculating transverse impact on a flat beam structure 9—90200
Wright, A.C., Desa, J.A.E. III-V analogues and bonding topology in vitreous silica 9—73102
Wright, A.C. *see* Daniel, M.F. 9—60654
Wright, A.E., Peterson, B.A., Jauncey, D.L. 0254—334/2: a high redshift QSO without Lyman α emission or absorption 9—92886
Wright, A.E. *see* Bolton, J.G. 9—75121
Wright, A.E. *see* Peterson, B.A. 9—97060
Wright, A.L., White, J.S., Kress, T.S., Bertini, H.W. Fuel disassembly experiments using the capacitor discharge vaporization (CDV) technique 9—85598
Wright, B., Mason, J.J. Field performance of certain selective and neutral surfaces in solar collectors 9—62078
Wright, C.H., Maklad, F., Rosenthal, S.J. Grey-scale ultrasonic characteristics of carcinoma of the pancreas 9—53198
Wright, C.J. *see* Dickens, P.G. 9—65043
Wright, C.J. *see* Hall, P.G. 9—60643
Wright, C.J. *see* Howard, J. 9—60642
Wright, C.J. *see* Riekel, C. 9—73150
Wright, C.S. Delta's calibration method for RF ammeters 9—88905
Wright, C.S., Nelson, G.J. Comet plasma densities deduced from refraction of occulted radio sources 9—53773
Wright, D. *see* Amis, A.A. 9—74699
Wright, D.A. Time-sharing control of several spectrometers by a simple computer 9—93192
Wright, D.G. *see* Adrain, R.S. 9—60083
Wright, D.K., Jr. Elementary elasticity. I 9—81721
Wright, D.S. *see* Lyttle, P.T. 9—79790
Wright, E.L. Distortion of the microwave background by a hot intergalactic medium 9—97107
Wright, E.L., Harper, D.A., Hildebrand, R.H., Keene, J., Whitcomb, S.E. Millimetre and submillimetre measurements of the Crab Nebula 9—75267
Wright, E.L. *see* Wilson, T.L. 9—75263
Wright, F.J. *see* Berry, M.V. 9—50213
Wright, G.A.E. The possibility of accretion onto radio pulsars 9—75237
Wright, G.H., Bagshaw, T. The application of metal sprayed coatings in a steelworks environment 9—83397
Wright, G.L., Howell, D.T. The application of gaming-simulation to water resource management 9—57517
Wright, H. *see* Davis, E.A. 9—60464
Wright, H.A. *see* Hamm, R.N. 9—53253
Wright, H.A. *see* Turner, J.E. 9—67961
Wright, J. *see* Basarab-Horwarth, P. 9—93302
Wright, J. *see* Latham, A. 9—89168
Wright, J. *see* Morris, J.V. 9—93434
Wright, J.C. *see* Miller, M.P. 9—87496
Wright, J.C. *see* Moore, D.S. 9—99231
Wright, J.J. *see* Balling, L.C. 9—54800, 9—81187
Wright, L.A. *see* Michels, H.H. 9—98112
Wright, L.E. Recurrence relations for Coulomb excitation matrix elements 9—89272
Wright, M.A., Welch, D., Jollay, J. The fracture of boron fibre-reinforced 6061 aluminium alloy 9—57092
Wright, M.C.H. *see* Dieter, N.H. 9—71136
Wright, M.C.H. *see* Tarter, J.C. 9—75276
Wright, M.D. *see* Green, W.R. 9—64075, 9—81274, 9—98207
Wright, N. *see* Bugg, D.V. 9—67594
Wright, P. Next summer's weather 9—84425
Wright, P. *see* Jones, D.P. 9—92326
Wright, P.E. *see* Trewhella, J. 9—74592
Wright, P.R.S. *see* Deutschmann, M. 9—85345
Wright, P.W. *see* Paterson, P.J.K. 9—91883
Wright, R.D. *see* Anderson, S. 9—91964
Wright, R.E. *see* Stirling, W.L. 9—97920
Wright, S., De Oliveira, A.D., Wilson, M.G.F. Optical waveguide polariser with synchronous absorption 9—90002
Wright, S.C. *see* Carrington, R.L. 9—76257
Wright, S.C. *see* Johnson, T.L. 9—100764
Wright, S.C. *see* Loomis, W.A. 9—71757
Wright, S.C. *see* Sessoms, A.L. 9—63870
Wright, V. *see* Amis, A.A. 9—96591
Wright, V. *see* Ellis, M.I. 9—74698
Wright, V. *see* Jobbins, B. 9—100761
Wrighton, P.G. *see* Leadbetter, A.J. 9—94874
Wrigley, C. *see* Moores, B.M. 9—88151
Wrixon, A.D. *see* Gibson, J.A.B. 9—66562
Wrobel, J. *see* Pawlikowski, J.M. 9—56793
Wrobel, J. *see* Ziolkowski, Z. 9—50391
Wrobel, Z. Electrical conductivity and Seebeck's coefficient in $Pb(Zr_xTi_{1-x})O_3$ solid solution near the morphotropic phase boundary $0.46 \leq x \leq 0.60$ 9—51564
Wroblewska, G. Sintering of alumina with the admixtures of titanates 9—100096
Wroblicka, W.T. *see* Sessoms, A.L. 9—63870
Wronski, C.R. Role of gap states in discharge produced a-SiH_x in determining carrier transport and recombination 9—73608
Wronski, W. On the role of chlorine in the passivation of MOS structures 9—91150
Wrotniak, J., Tomaszewski, A., Krys, A. Calculation of the atmospheric nuclear cascade characteristics for the Pamir experiment 9—80157
Wrotniak, J. *see* Baiburina, S.G. 9—80156, 9—80170
Wrulich, A. *see* Bothe, W. 9—68000
Wrzecionko, J. *see* Belyaev, V.B. 9—54459, 9—76033
Wrzeciono, A. *see* Koczorowska, L. 9—70232
Wrzesien, M. *see* Babicz, B. 9—85113
Wrzesniewska, T. *see* Dubiel, S.M. 9—61272
Wu, A.A. *see* Wallace, R. 9—63974
Wu, A.C.T. Crossing-symmetric four-body unitarity condition 9—67480
Wu, A.H.B., Malmstadt, H.V. Versatile microcomputer-controlled titrator 9—74444
Wu, A.J.A. Generalized diatomics-in-molecules theory. I. General theory, application to H_3 and extension to molecules-in-molecules theory 9—97970
Wu, C.H. Large finite strain membrane problems 9—50597
Wu, C.H. Explicit asymptotic solution for the maximum-energy-release-rate problem 9—77021
Wu, C.H. Binding energies of LiH_2 and LiH_2^+ and the ionization potential of LiH_2 9—94042
Wu, C.P., Magee, C.W. Laser annealing of ion-implanted polysilicon films 9—73181
Wu, C.P., Magee, C.W. Pulsed laser annealing of ion-implanted polycrystalline silicon films 9—77612
Wu, C.P. *see* Liu, S.G. 9—73194
Wu, C.S., Lee, L.C. A theory of the terrestrial kilometric radiation 9—70900
Wu, C.S. *see* Curtis, S.A. 9—66880, 9—80086, 9—101009
Wu, C.Y.R., Phillips, E., Lee, L.C., Judge, D.L. $O_2^+(A^2\Pi_u \rightarrow X^2\Pi_g)$ and $O_2^+(b^4\Sigma_g^- \rightarrow a^4\Pi_u)$ emissions by photoionization of O_2 9—94041
Wu, F.M., Judge, D.L. Modification of solar lines propagating through the interplanetary medium 9—66973
Wu, F.M., Judge, D.L. Temperature and flow velocity of the interplanetary gases along solar radii 9—96875
Wu, F.T. Prediction of strong ground motion using small earthquakes 9—88297
Wu, F.T. *see* Chi-yuen Wang 9—84234
Wu, F.Y. Phase diagram of a five-state spin system 9—58641
Wu, F.Y. Some exact results on lattice models in two dimensions 9—58651
Wu, F.Y. Critical point of planar Potts models 9—93061
Wu, F.Y. *see* Hintermann, A. 9—58644
Wu, F.Y. *see* Lin, K.Y. 9—51798
Wu, F.Y. *see* Sun, X. 9—93058
Wu, G.H. *see* Barber, D.P. 9—89175, 9—97631
Wu, I.C., Miller, K.J. Atomic energy levels and oscillator strengths calculated with a screened potential 9—63896
Wu, J. Spray in the atmospheric surface layer: review and analysis of laboratory and oceanic results 9—70844
Wu, J.B.C., Brown, N. An equation for stress relaxation during crazing 9—61762
Wu, J.J. *see* Anderson, G.L. 9—72842
Wu, J.R. *see* Collins, M.T. 9—63649
Wu, J.R. *see* Hornyak, W.F. 9—63683
Wu, L.C., Greene, J.E. Mechanisms of the reactive- and chemical-sputter deposition of TiO_2 from Ti and TiC targets in mixed $Ar+O_2$ discharges 9—100051
Wu, P., Perio, F. The phase in musical acoustics. I. Fourier analysis of pseudo periodic signals 9—90100
Wu, P.C.S., Grundy, B.R., Miller, R.L. Corrosion behavior of sodium-exposed stainless steels in chloride-containing aqueous solutions 9—57151
Wu, P.K.S. *see* Pirri, A.N. 9—60152
Wu, R.K., Dutton, T.F., Doyle, W.T. K-band high-pressure cell for ENDOR studies 9—67336
Wu, S.D., Tuan, H.S. Rayleigh-wave reflection from a groove in Y-Z $LiNbO_3$: a perturbation approach 9—51408
Wu, S.L. *see* Brandelik, R. 9—93441
Wu, S.M., Hsu, M.C., Chow, M.C. The determination of time constants of reactor pressure and temperature sensors: the dynamic data system method 9—93750
Wu, S.M. *see* Adeyemi, S.O. 9—74561
Wu, S.T. Some notes on the dynamic properties of unsaturated concrete 9—70106
Wu, S.T. *see* Comfort, R.H. 9—92733
Wu, S.T. *see* Han, S.M. 9—64778
Wu, S.Y. *see* Dy, K.S. 9—55850
Wu, S.Y. *see* Sinai, J.J. 9—69217, 9—95093
Wu, S.-Y. Polarization reversal and film structure in ferroelectric $Bi_4Ti_3O_{12}$ films deposited on silicon 9—91392

Wu, T.M., Austin, S. Biological Bose condensation and the time threshold for biological effects 9—100664
Wu, T.S., Wan, C.C. A comparison of silver electrodes by the sintering method and the chemically prepared method 9—87851
Wu, T.S. *see* Su, Y.K. 9—95482
Wu, T.T. *see* Popov, V.N. 9—89067
Wu, T.W. *see* Barber, D. 9—54289, 9—54346
Wu, T.W. *see* Barber, D.P. 9—89175, 9—97631
Wu, Y.C.L. *see* Chapman, J.N. 9—52950
Wu, Y.S. *see* Fairweather, G. 9—58533
Wu Chhi-Chong *see* Chhi-Chong Wu
Wu Chi-min *see* Chi-min Wu
Wu Chong Hung *see* Klyukanov, A.A. 9—56799
Wu Dan-Di *see* Wu Jing-Yuan 9—49504
Wu Dan-di *see* Dan-di Wu
Wu Hang-Sheng Superconductors of type A and type B 9—51706
Wu Hang-Sheng, Ji Guang-Da A suggestion on the T_c problem 9—51705
Wu Hang-sheng *see* Cai Jun-dao 9—91177
Wu Hangsheng, Ji Guangda Main parameters for determination of superconducting critical temperature and a new classification of superconductors 9—78252
Wu Hangsheng *see* Cai Jundao 9—78251
Wu Hsiang-ting, Lin Chen-yao A preliminary analysis of climatic variation during last hundred years and its outlook in the Tibetan plateau 9—62572
Wu Jing-Yuan, Chen Zhong-Mo, Zhang Zi-Xian, Chang Tzu-Hsien A sensitive method to distinguish the spin of the heavy lepton τ from its two body decay energy spectra 9—49503
Wu Jing-Yuan, Wu Dan-Di Heavy lepton τ produced in e^+ennihilation by the interference between electromagnetic and weak interactions and parity violation effects 9—49504
Wu Lian-Da, Wang Chang-Bin, Tong Fu A new semi-analytical and semi-numerical method for computation of the second order perturbation of artificial Earth satellites 9—80207
Wu Person, L., Klickman, A.E., Rhodes, E. Use of hodoscopes to obtain tomographic resolution of fuel motion 9—54537
Wu Rongsheng On resonance and energy variation of barotropic waves 9—84445
Wu Rui-feng, Lu He-xiang, Xi Xiao-feng Elasto-plastic analysis and crack growth analysis of reinforced masonry shear wall 9—94506
Wu Rurng-sen, Chao Jih-ping Characteristics of multi-time scales of motion and temporal boundary layer in the rotating atmosphere 9—84447
Wu Sau Lan *see* Sau Lan Wu
Wu Shao-ming *see* Zhao Yan-zeng 9—77308
Wu Shi-Fen *see* Lin Bang-Shui 9—88252
Wu Shi-shu On nuclear single-particle potentials. IV. Many-body forces 9—59014
Wu Shi-shu On nuclear single-particle potentials. III. Single-particle energies determined by the nonhermitian potential $U'_{\alpha\beta}=M_{\alpha\beta}(\epsilon_\beta)$ 9—93496
Wu Shijie *see* Chao Jiping 9—84446
Wu Shu-yao, Ling Qi-fen, Zhao Zhong-ren Some experimental studies of solid surface states 9—99602
Wu Si-Cheng *see* Guo Yuan-Heng 9—71471
Wu Tai Tsun *see* Tai Tsun Wu
Wu Te-Kao *see* Te-Kao Wu
Wu Xi-hao *see* Duan Wan-ti 9—92538
Wu Xi-hao *see* Sun Dian-qing 9—79885
Wu Xi-jun, Jiang Jian, Yin Hua-zi An experimental study on the correlation between J-integral and strain energy 9—100236
Wu Xi-zhen *see* Zhuo Yi-zhong 9—93038
Wu Yao-hsiang *see* Shen Nai-cheng 9—59717
Wu Ying-Xiang *see* Wang Zong-Xian 9—62462
Wu Yong-shi The holonomy functional formulation of Yang-Mills field equations 9—80760
Wu Yongshi Merons and other field configurations 9—63335
Wu Yongshi *see* Zou Zhenlong 9—80493
Wu Yu-kun *see* Zou Ben-san 9—90669
Wu Zhong-li, Zhu Yong-tai, Xia Guo-zhong, Liu Bu-sheng, Li Fa-wei, Fan Guo-ying Study of the deep inelastic scattering of ^{12}C on ^{27}Al 9—59088
Wu Zhong-xiang A formula for estimating the power output of a laser 9—89879
Wu-ki Tung Trimuon final states in lepton-hadron scattering: model-independent study of the production mechanism 9—93424
Wu-Ki Tung *see* Bitar, K. 9—54315
Wu-Lieh Ho *see* Holub, R.F. 9—57529
Wu-Nan Liu *see* Hsou-Tao Yu 9—85051
Wu-yan Lai, Thien-si Wang, Jue-lian Shem Theory of the speromagnetism phase transition 9—73730
Wu-yang Tsai *see* DeRaad, L.L., Jr. 9—49429
Wu-yang Tsai *see* Dittrich, W. 9—67487
Wu-Yang Tsai *see* Ivanetich, R.J. 9—63354
Wucherer, P. *see* Reich, J. 9—54653
Wuebbles, D., Chang, J.S. A theoretical study of stratospheric trace species variations during a solar eclipse 9—58013
Wuebbles, D.J. *see* Ackerman, M. 9—84432
Wuebbles, D.J. *see* Chang, J.S. 9—70848
Wuensch, B.J. Superstructures in sulfide minerals 9—99146
Wuest, W., Chun, C.H. Convective thermocapillary and thermomolecular fluid flow in low-g environment [crystal growth from vapour] 9—73117
Wuhl, H. *see* Poppe, U. 9—51728
Wuk, R.K., Dutton, T.F., Doyle, W.T. 20-kilobar pressure system 9—67335
Wulf, A. Correlation function of an anisotropic fluid of hard rods to first order in the density 9—86675
Wulfften Palthe, D.W.Van *see* Van Wulfften Palthe, D.W.
Wullaert, R.A. *see* Server, W.L. 9—70143
Wullschleger, A., Scheck, F. Radiative muon capture on ^{12}C and ^{16}O 9—97699
Wun Nian-le *see* Hsu Yee-chuang 9—72555
Wung, T.Y. *see* Huang, B.J. 9—74539
Wungkobkiat, S., Morita, T., Uesaka, T., Minami, S. Automatic fluorescence microphotometer using an image dissector tube 9—97413
Wunk, D.F., Freeman, J.A. An electronically-controlled visual stimulus generator for quantitative mapping of visual receptive fields 9—74817
Wunner, G., Herold, H. Connection between nuclear moments of inertia and collective variables 9—75820
Wunner, G., Herold, H. Decay of positronium in strong magnetic fields 9—88578
Wunsch, C. The North Atlantic general circulation west of 50°W determined by inverse methods 9—74901
Wunsch, K.D. *see* Kratz, K.-L. 9—93559
Wunsch, K.D. *see* Ristori, C. 9—49610
Wunsch, K.D. *see* Schussler, F. 9—59039
Wunsch, K.D. *see* Scott, S.M. 9—93499
Wunsch, K.M., Wachtel, E. On the transformation of crystal structure of the B2 type of the $L2_1$ type for the example of the $Co_{50}Mn_xGa_{50-x}$ alloy 9—91642
Wunsche, H.-J. On the valley-orbit splitting of multiple bound exciton states in silicon 9—60725
Wunschmann, M. *see* Puppel, D. 9—74331
Wupperfeld, G. *see* Wiechert, H. 9—51333
Wurfel, P. *see* Meyer, W. 9—81393
Wurtz, D. *see* Grunewald, M. 9—87100
Wurtz, H.P. *see* Peffley, W.M. 9—97395
Wurz, U., Klar, G., Chan, S.-K. Kinetics of phase transformation in some cholesteric liquid crystals 9—95140
Wurzinger, A. *see* Roth, S. 9—78500
Wust, N., Seyfarth, H., Aldea, L. Two-quantum radiative thermal neutron capture in ^1H 9—54439
Wust, P., von Oertzen, W., Ossenbrink, H., Lettau, H., Bohlen, H.G., Saathoff, W., Wiedner, C.A. Spin alignment and polarisation in the (^{16}O, ^{15}N) transfer reactions 9—67709
Wust, P. *see* Bohlen, H.G. 9—93521
Wuttig, M., Suzuki, T. Nonlinear anelasticity and the martensitic transformation 9—61634
Wuttke, G.H. *see* Wise, K.D. 9—89495
Wuu-Jyi Lin, Freed, J.H. Electron spin resonance studies of anisotropic ordering, spin relaxation, and slow tumbling in liquid crystalline solvents. III. Smectics 9—95629
Wyant, J.C. *see* Tamura, P.N. 9—59647
Wyant, J.C. *see* Balasubramanian, N. *(editor)* 9—80565
Wyard, S.J. *see* Ter Haar, G. 9—62291
Wyart, J.-F., Camus, P. Extended analysis of the emission spectrum of neutral ytterbium (YbI) 9—85923
Wyatt, A.F.G., Crisp, G.N. Frequency of phonons emitted into liquid He by a solid 9—55978
Wyatt, A.F.G. *see* Korczynskyj, Y. 9—55975
Wyatt, C.L. Calibration of a helium-cooled LWIB spectrometer for exo-atmospheric airglow measurements 9—97450
Wyatt, H.J., Pola, J. The role of perceived motion in smooth pursuit eye movements 9—100618
Wyatt, H.L. *see* Hestenes, J.D. 9—70599
Wyatt, J.R. *see* Colton, R.J. 9—86986
Wyatt, R.E. Quantum mechanical study of $F(^2P_{1/2})+H_2(j=0)$ quenching: the role of virtual ortho-para mixing 9—76485
Wyatt, R.E. *see* Hutchinson, J.S. 9—70311
Wyatt, R.E. *see* McNutt, J.F. 9—74363
Wyatt, R.E. *see* Redmon, M.J. 9—61847
Wyatt, S.J.F. *see* Birchenough, A. 9—98675
Wybourne, B.G. *see* Butler, P.H. 9—93330
Wycech, S. Strong interactions in strange hadronic atoms 9—86083
Wycech, S., Stepien-Rudzka, W., Rook, J.R. Hyperonic atoms and hyperon-nucleon scattering amplitudes 9—93452
Wyckoff, H.O. *see* Thompson, D.L. 9—62367
Wyckoff, S. Centaurus X-4 9—80370
Wyckoff, S., Wehinger, P.A. On the recovery of the old nova IM Normae 1920 9—71058
Wyckoff, S. *see* Stockton, A. 9—97058
Wyckoff, W.G., Jungerman, J.A., Stadel, G., Russell, E. Extraction efficiency improvement through central region studies 9—54719
Wyder, P. *see* Beers, C.J. 9—60799
Wyder, P. *see* Birker, P.J.M.W.L. 9—65540
Wyder, P. *see* Bluyssen, H. 9—73430
Wyder, P. *see* Bluyssen, J.H.A. 9—87112
Wyder, P. *see* De Lang, H.N. 9—95388
Wyder, P. *see* Ribot, J.H.J.M. 9—69488
Wyder, P. *see* Van Gelder, A.P. 9—56441
Wyder, P. *see* van Hulst, K. 9—71496
Wyder, P. *see* Van Kempen, H. 9—60794
Wyeth, N.C., Catalano, A. Spectral response measurements of minority-carrier diffusion length in Zn_3P_2 9—78131
Wygnanski, I., Haritonidis, J.H., Kaplan, R.E. On a Tollmien-Schlichting wave packet produced by a turbulent spot 9—68733
Wygnanski, I., Oster, D., Fiedler, H., Dziomba, B. On the perseverance of a quasi-two-dimensional eddy-structure in a turbulent mixing layer 9—81896
Wyk, C.B.van *see* van Wyk, C.B.
Wyld, H.W., Jr. *see* DeWitt, R.J. 9—63479
Wyler, D. Discrete symmetries in the six-quark SU(2)×U(1) model 9—93360
Wyler, D. *see* Marciano, W.J. 9—71697
Wylie, A.W. *see* Eisler, P.L. 9—80042
Wylie, W.R., Pessoa, E.F., Cybulska, E.W., Schelin, H.R., Fagundes, L.M., Nakayama, K., Douglas, R.A. Neutron time-of-flight facility at the University of Sao Paulo 8UD Pelletron tandem accelerator 9—85856
Wyman, C.L. *see* Calvert, J. 9—80225
Wyman, J. A macromolecule as a transducer 9—96505
Wynblatt, P. *see* Baird, R.J. 9—77899
Wynblatt, P. *see* Mervyn, D.A. 9—51404
Wyngaard, J.C., Clifford, S.F. Estimating momentum, heat and moisture fluxes from structure parameters 9—53435
Wyngaard, J.C. *see* Caughey, S.J. 9—79975
Wyngaard, J.C. *see* Hicks, B.B. 9—66754
Wynhoff, N. *see* Lambert, M.C. 9—81066
Wynn, N.P. Amine process for heavy water 9—49695
Wynn-Williams, C.G. *see* Becklin, E.E. 9—66958
Wynn-Williams, C.G. *see* Beichman, C.A. 9—101180
Wynn-Williams, C.G. *see* Werner, M.W. 9—84842
Wynne, B. C.G. Barkla and the J phenomenon 9—62983
Wynne, D. *see* Howarth, J.A. 9—50700
Wynne, J.J., Hermann, J.P. Spectroscopy of even-parity autoionizing levels in Ba 9—59417
Wynne, J.J. *see* Armstrong, J.A. 9—54795
Wypych, M., Leszcynski, R. Influence of temperature on isothermal luminescence (ITL) decay in frozen organic matrices at 14-100K 9—66322
Wyrtki, K. Sea level variations: monitoring the breath of the Pacific 9—100840
Wyrtki, K. *see* Patzert, W.C. 9—84517
Wyrzykowska-Stankeiwicz, D. *see* Taraszewska, J. 9—51245
Wyse, R.K.H., Taylor, J.F.N., Haworth, S.G., Macartney, F.J. Diagnosis of superior vena caval pathway obstruction following Mustard's operation using transcutaneous Doppler ultrasound 9—70596
Wyslocki, B. *see* Bialon, J. 9—87298
Wyslocki, B. *see* Szymura, S. 9—69690
Wyss, C. *see* Brunet, P. 9—72052
Wyss, J.C. *see* Adams, A. 9—51685
Wyss, W. *see* Benoist, R.W. 9—71360

Xanthopoulos, B.C. Multipole moments in general relativity 9—71306
Xanthopoulos, B.C. *see* Chandrasekhar, S. 9—71319
Xenoulis, A.C. *see* Kalfas, C.A. 9—97678
Xi, J.P. *see* Barber, D.P. 9—89175, 9—97631
Xi Xiao-feng *see* Wu Rui-feng 9—94506
Xi-cheng *see* Sun Ke Huang 9—83518
Xi-cheng Chen *see* Chen Xi-cheng
Xi-hao Wu *see* Wu Xi-hao
Xi-jun Wu *see* Wu Xi-jun
Xi-kui Li *see* Li Xi-kui
Xi-xian Yao *see* Yao Xi-xian
Xi-Yi Huang *see* Huang Xi-Yi
Xi-yin Zheng *see* Zheng Xi-yin
Xi-zhen Wu *see* Wu Xi-zhen
Xia Guang-chang *see* Chen Chang 9—90708
Xia Guo-zhong *see* Wu Zhong-li 9—59088
Xia Yan-ru Investigation on nucleate boiling heat transfer by using the theory of thermodynamics 9—72783
Xia Yi-Jun *see* Lu Han-Lin 9—49601
Xian Dingchang Introduction to quantum chromodynamics 9—63412
Xian Wan *see* Wan Xian
Xian-Hui Liu *see* Liu Xian-Hui
Xian-Jian Zhou *see* Zhou Xian-Jian
Xian-zhou Zeng *see* Zeng Xian-zhou
Xiang-Jun Shi *see* Shi Xiang-Jun
Xiang-zhen Chen *see* Chen Xiang-zhen
Xianquan Dong *see* Dong Xianquan
Xiao Tang *see* Tang Xiao
Xiao-Bi Xie *see* Xie Xiao-Bi
Xiao-feng Xi *see* Xi Xiao-feng
Xiao-Qing Li *see* Li Xiao-Qing

Xiao-shu Chen *see* Chen Xiao-shu
Xiao-wei Tang *see* Tang Xiao-wei
Xiao-Xin Yao *see* Yao Xiao-Xin
Xie Cang *see* Zheng Shun-xuan 9—81206
Xie Guang-zhong *see* Fang Li-zhi 9—97115
Xie Hong-sen Ultra-high pressure studies and the earth sciences 9—71479
Xie Jia-lin *see* Zhou Li-nong 9—59286
Xie Kan *see* Guo Hoi-Qun 9—51830
Xie Ren-kui *see* Han Kai 9—64269
Xie Xiao-Bi *see* Gu Ji-Cheng 9—88253
Xie Youquan Environmental pollution and monstrous variations of organisms and tumours 9—52961
Xie Zhiming *see* Yang Shikun 9—55009
Ximen Ji-Ye, Chen Wen-Xiong On the analysis and calculation of static electro-magnetic multipole fields 9—72472
Xin Chang *see* Chang Xin
Xin Sun *see* Sun Xin
Xin-Chuan Zeng *see* Zeng Xin-Chuan
Xin-de Hu *see* Hu Xin-de
Xing Ti-liang, Gao Cai-sheng The high temperature-high pressure analog experiment techniques 9—80638
Xing-Bei Duan *see* Duan Xing-Bei
Xing-nan Jin *see* Jin Xing-nan
Xing-Xiao Ma *see* Ma Xing-Xiao
Xiu-wen Jiu *see* Jiu Xiu-wen
Xu Bo-Wei Space-time property of fermion number 9—49418
Xu Chao-yi *see* Li Hua-yu 9—72964
Xu Chong-ming A model of metagalaxy 9—67121
Xu Gong-ou A statistical description of nuclear reaction processes 9—93600
Xu Gong-ou, Zhang Jing-ye The interplay of nuclear deformation and pair correlation nuclear phase diagram 9—59007
Xu Ji-ren The advances in laser isotope separation 9—81291
Xu Ji-ren, Tang Fu-hai, Jiang Yi-feng, Huang Nan-tang Intense pulse infrared laser induced a new visible fluorescence process in BCl_3. Optical-acoustic-optical effects 9—78733
Xu Jian-Ming, Cai Zhi-Guo The tracking problem in power supplies for separated function magnet systems of fast cycling synchrotrons 9—49882
Xu Jianjun On loosely wound spiral density waves of galaxies 9—101207
Xu Jilin *see* Wang Keren 9—77025
Xu Shao-lin *see* Han Kai 9—64269
Xu Yong-bo *see* Chen Lian 9—74179
Xu Yuhuan *see* Shi Longpei 9—56747
Xu Zheng-Yi Mechanism of the enhancement of neutron diffraction from KDP and TGS crystals under the action of an electrostatic field 9—51907
Xu Zheng-yi, Li Yong-jin, Li Yin-yuan Review of the research work on α-$LiIO_3$ single crystals 9—69782
Xu Zheng-yi *see* Zhao Shi-fu 9—91404
Xu Zhi-zhan, Shen Wen-da, Zhang Wen-qi, Pan Zhong-xiong Some calculated results on laser-driven compression of glass microballoons 9—63807
Xuan, C.Nguyen *see* Nguyen Xuan, C.
Xuan An Cao *see* Cao Xuan An
Xuan Ho Phan *see* Phan Xuan Ho
Xuan Nguyen Hoang *see* Hoang Xuan Nguyen
Xue Da-Wei A solution of cylindrical shell under concentrated loads 9—64492
Xue Ming-lun, Chen Yun-ming On the Steenbeck principle for arc discharges 9—64931
Xue Pei-You *see* Dong Fang-Xiao 9—49481
Xue Pei-you *see* Huang Tao 9—58935
Xue-chu Shen *see* Shen Xue-chu
Xue-Jun Liu *see* Liu Xue-Jun
Xue-Shan Lu *see* Lu Xue-Shan
Xue-Tian Tang *see* Tang Xue-Tian
Xuezheng Zheng *see* Zheng Xuezheng
Xun-bo Lo *see* Lo Xun-bo

Y. Kim Soo *see* Soo Y. Kim
Y. Liu Yung *see* Yung Y. Liu
Ya-cai Ni *see* Ni Ya-cai
Ya-gang Jiang *see* Jiang Ya-gang
Yaakobi, B., Steel, D., Thorsos, E., Hauer, A., Perry, B., Skupsky, S., Geiger, J., Lee, C.M., Letzring, S., Rizzo, J., Mukaiyama, T., Lazarus, E., Halpern, G., Deckman, H., Deletrez, J., Soures, J., McCrory, R. Explosive-pusher-type laser compression experiments with neon-filled microballoons 9—54598
Ya'akov Achiam Critical slowing down of energy-like perturbation in the Glauber-Ising model 9—61133
Yaari, R. *see* Eisenberg, Y. 9—75804
Yabe, K. *see* Mita, K. 9—74622
Yablokov, Yu.V. *see* Voronkova, V.K. 9—95637
Yablonik, L.M. *see* Bobrov, V.T. 9—100316
Yablonovitch, E. *see* Black, J.G. 9—61884
Yablonovitch, E. *see* Tsao, J.Y. 9—89928
Yablonskaya, O.V. *see* Ksanfomaliti, L.V. 9—66950
Yablonskii, D.A. On possible types of magnetic ordering of S-ions in a garnet structure 9—95579
Yablonskii, D.A. *see* Bar'yakhtar, V.G. 9—61197
Yablonskii, D.A. *see* Vitebskii, I.M. 9—65683
Yablonskii, G.P. *see* Gribkovskii, V.P. 9—59704
Yablontseva, T.M. *see* Algazin, Yu.B. 9—65823
Yabrova, L.V. *see* Ksanfomaliti, L.V. 9—66950
Yabumoto, T. *see* Arai, T. 9—98346
Yabushita, S. A statistical study of the evolution of the orbits of long-period comets 9—53775
Yabushita, S. The accretion wake model of galactic and quasar jets in clusters 9—71135
Yabushita, S. On the accretion wake model of radio jets of galaxies 9—84857
Yabushita, S. *see* Yamaguchi, K. 9—97975
Yabuzaki, T., Manabe, T., Ogawa, T. Alignment destroying cross sections of the $2p_4$ state of neon for collisions with He^3 and He^4 9—89757
Yacaman, M.J., Dominguez E., J.M. On the crystallographic structure of small particles of platinum supported on graphite 9—99465
Yacaman, M.J., Gomez R., A., Hirth, J.P. Cleavage ledges and interface dislocations on Suzuki phases in sodium chloride 9—90659
Yacaman, M.J., Heinemann, K., Yang, C.Y., Poppa, H. The structure of small, vapor-deposited particles. II. Experimental study of particles with hexagonal profile 9—77567
Yacaman, M.J., Munir, Z.A., Ocana, T. Sublimation of ionic crystals in the presence of an electrical field 9—77739
Yacaman, M.J. *see* Heinemann, K. 9—77566
Yacaman, M.J. *see* Yang, C.Y. 9—82488, 9—86732
Yachnev, I.L. *see* Antonov, A.S. 9—72558
Yachnev, I.L. *see* Danilov, O.B. 9—55129
Yachyauskas, I.P. *see* Eriksonas, K.M. 9—98237
Yacobi, B.G., Boswell, F.W., Corbett, J.M. Intercalation-induced shift of the absorption edge in ZrS_2 and HfS_2 9—82999
Yacobi, B.G., Boswell, F.W., Corbett, J.M. The fundamental absorption edge in Ni_xZrS_2 9—99904
Yacovitch, R.D., Shapira, Y., Foner, S., McNiff, E.J., Jr. Exchange magnetostriction in the paramagnetic phase of EuS 9—78492
Yada, K., Suzuki, A., Nemoto, S. A new type of vacuum cock consisting of glass, O ring and metal 9—54146
Yadav, A.D., Joshi, M.C. Formation on thin Si_3N_4 films by nitrogen ion implantation into silicon 9—90692
Yadav, A.D., Joshi, M.C. Formation of thin Si_3N_4 films by nitrogen ion implantation into silicon 9—99455
Yadav, D.S. *see* Singh, P.P. 9—59459
Yadav, H.L. *see* Toki, H. 9—93498
Yadav, J.S., Sharma, A.P. Effect of temperature on etching of glasses 9—76290
Yadav, K.S. *see* Bawa, S.C. 9—61995
Yadav, R.A. *see* Reid, C.J. 9—73087
Yadav, R.B. Deformation dipole model for phonon dispersion in transition metal carbide (TaC) 9—99281
Yadav, R.B.S. *see* Singh, T. 9—58591
Yadav, V.R., Lal, H.B. Electrical transport in gadolinium iron garnet (GdIG) 9—99543
Yadav, V.Ram *see* Ram Yadav, V.
Yadigaroglu, G. *see* Arrieta, L.A. 9—49728
Yadrovsky, E.L. *see* Gyarmati, B. 9—85469
Yaegashi, Y. *see* Hirao, T. 9—51138, 9—55764, 9—99227
Yafaev, D.R. Theory of multichannel scattering in two spaces 9—88839
Yafasov, A.Ya. *see* Aidinova, D.M. 9—68139
Yafet, Y. *see* Patel, C.K.N. 9—50344
Yafet, Y. *see* Williams, G.P. 9—83096
Yaffe, L. *see* Diksic, M. 9—63673
Yaffe, L.G. Quantizing gauge theories: non-classical field configurations, broken symmetries and gauge copies 9—49373
Yaffe, L.G. *see* Levine, H. 9—49400
Yagawa, G., Miyazaki, N. Steady state creep analysis of a cracked body using the superposition method 9—94507
Yagawa, G., Nishioka, T. Finite element analysis of stress intensity factors for plane extension and plate bending problems 9—55341
Yagawa, K. *see* Asano, M. 9—92297
Yager, P.M. *see* Kass, R.D. 9—93472
Yaggee, F.L., Mattas, R.F., Neimark, L.A. Iodine stress corrosion cracking in irradiated LWR cladding 9—89380
Yaggee, F.L. *see* Jones, R.L. 9—66206
Yagi, E. *see* Maeda, M. 9—81056, 9—89471
Yagi, H. *see* Yamamoto, S. 9—54433
Yagi, K., Kubo, K., Tanaka, C. Effect of creep stress on creep-fatigue interaction for SUS 304 austenitic steel 9—83264
Yagi, K. *see* Aoki, Y. 9—67757, 9—89301
Yagi, K. *see* Rangacharyulu, C. 9—89307
Yagi, M., Kondo, K., Yamadera, A. Production of ^{39}Cl and ^{38}S by photonuclear reactions using argon gas target 9—88185
Yagi, M. *see* Higuchi, J. 9—51847
Yagi, T., Cho, M., Hidaka, Y. Brillouin scattering study of the paraelectric-incommensurate phase transition in K_2SeO_4 9—78690
Yagi, T., Jamieson, J.C., Moore, P.B. Polymorphism in MnF_2 (rutile type) at high pressures 9—69050
Yagi, T., Mao, H.-K., Bell, P.M. Structure and crystal chemistry of perovskite-type $MgSiO_3$ 9—60336
Yagi, T. *see* Kimura, K. 9—66439
Yagihara, S. *see* Mashimo, S. 9—61303
Yagihashi, T. *see* Ito, T. 9—82748
Yagishita, T. *see* Tsukabayashi, I. 9—55397
Yaglom, A.M. *see* Kader, B.A. 9—90237
Yaglom, I.M. A simple non-Euclidean geometry and its physical basis 9—62989
Yagminas, A.I., Pigaga, A.K., Skominas, V.Yu., Matulenis, E.P. Mechanism for electrolytic colouring of anodic oxide films of Al and its alloys. I. Relationship between shade of colour of films formed in CrO_3 solutions and their structure 9—91851
Yagodkin, I.A. *see* Dubov, B.S. 9—67286
Yagodkin, V.I. *see* Tret'yakov, V.V. 9—90260
Yagodzinskii, Yu.N. *see* Makarenko, V.N. 9—96877
Yagola, A.G. *see* Goncharskii, A.V. 9—101188
Yagovkin, V.M. *see* Domrachev, A.I. 9—52385
Yagubskii, E.B. *see* Kachapina, L.M. 9—56787
Yagunov, K.A. *see* Zhorov, G.A. 9—82364
Yagupol'skii, L.M. *see* Lifshits, E.B. 9—67418
Yagyu, H. *see* Kuriyama, I. 9—99239
Yagzhova, E.A. *see* Belkina, L.M. 9—53629
Yahagi, K. *see* Aoki, N. 9—50986
Yahagi, K. *see* Sakamoto, H. 9—51595
Yahalom, J. *see* Feigenbaum, C. 9—70182, 9—74293
Yahalom, R., Bein, M. Boiling thermal hydraulic analysis of multichannel low flow 9—67885
Yahata, H. Temporal development of the Taylor vortices in a rotating fluid. II 9—64672
Yahata, H. Temporal development of the Taylor vortices in a rotating fluid 9—77131
Yahata, N., Inukai, T., Hayama, F. Wear characteristics of 0.42%C carbon steel in uni-directional and reciprocating friction 9—100266
Yahata, N., Inukai, T., Okuda, J., Anazawa, H. Effect of surface finishing on fatigue strength of spring steel (SUP 10) 9—61708
Yahaya, M., Fletcher, G.C. The bandstructure of rhodium, its groundstate and the effects of change of volume 9—77994
Yahaya, M. *see* Fletcher, G.C. 9—82297
Yahel, R. *see* Braun, A. 9—84790
Yahil, A. *see* Sandage, A. 9—101189
Yahuso, T. *see* Kaneshiro, H. 9—61781
Yainberg, M.Sh. *see* Sul'kin, A.G. 9—72790
Yaish, A. *see* Salomon, J.A. 9—57806
Yaitkus, J.J. *see* Baubinas, R.V. 9—56267
Yajima, E. *see* Nakagawa, M. 9—78991
Yajima, F., Tanaka, T., Bannai, E., Kawai, S. Preparation of TiC_x single crystal with homogeneous compositions 9—100049
Yajima, H. Dielectric bypass waveguide mode order converter 9—81570
Yajima, K., Tanaka, H., Kinoshita, S., Takasugi, S., Furukawa, T., Nakayama, K. On-line body surface potential mapping of cardiac fields and its clinical application 9—83992
Yajima, K. *see* Tanaka, H. 9—83838
Yajima, N., Kohno, T., Kodaira, K., Tanaka, W., Ohta, S., Koma, U. Star tracker utilizing a solid state image sensor 9—80227
Yajima, N., Satsuma, J. Soliton solutions in a diatomic lattice system 9—93076
Yajima, N. *see* Watanabe, S. 9—63066
Yajima, S., Okamura, K., Matsuzawa, T., Hasegawa, Y., Shishido, T. Anomalous characteristics of the microcrystalline state of SiC fibres 9—74122
Yajima, S. *see* Amano, T. 9—100301
Yajima, S. *see* Kayano, H. 9—52304
Yajima, T. *see* Taira, Y. 9—55148
Yajima, Y. *see* Mitomo, M. 9—91936
Yajima, Z. *see* Hirose, Y. 9—66214
Yakhkind, A.K. *see* Volkova, V.V. 9—100358
Yakhmi, J.V., Kelkar, V.K., Shukla, R.P., Manohar, C. Temperature dependence of refractive indices and order parameter of p-n-butoxy- and p-n-amyloxy bezoic acids 9—90537
Yakhnin, E.D., Pinskaya, G.I. Experimental determination of the adhesion forces between polyhedral particles in a liquid medium 9—70380
Yakhnin, E.D. *see* Pinskaya, G.I. 9—68826
Yakhno, O.M. *see* Vorontsov, E.G. 9—77061
Yakhno, V.G. Spread of impulses through a smooth inhomogeneity in an excitable medium 9—79445
Yakhno, V.G. Non-steady process in a one-dimensional excitable medium. IV. Special aspects of the spread of impulses in a medium with a non-monotonic function $a=a(V)$ 9—92201
Yakhontova, V.E. *see* Bogdanova, I.P. 9—72428
Yakhot, V. *see* Albrecht, W.G. 9—61423
Yakhot, V. *see* Levich, E. 9—63139
Yakhot, V. *see* Port, H. 9—65387
Yakhot, Y. *see* Goldhirsch, I. 9—78423

Yakimavichyus, I.A., Batarunas, I.V., Lukoshyus, P.P., Mauza, E.V. Determination of the crystal and pseudopotential components from the X-ray scattering factors 9−65032
Yakimavichyus, I.A. *see* Ionushauskas, S.L. 9−65956
Yakimenko, A.I. *see* Pudan, L.Ya. 9−99189
Yakimenko, L.M. *see* Zil'berman, L.S. 9−61877
Yakimenko, M.N. *see* Aleksandrov, Yu.M. 9−54202
Yakimenko, M.N. *see* Blagov, M.I. 9−76303
Yakimoff, N. *see* Mitrani, L. 9−74680
Yakimov, S.S. *see* Irshinskii, A.L. 9−61106
Yakimov, Yu.L. On the effect of an increase in average pressure in a liquid of constant mass and volume during barotropic processes 9−64620
Yakimov, Yu.L. Selective drift of gas bubbles in a vibrating liquid in relation to their size 9−77225
Yakimova, E.E., Chernova, A.I. Geiger-counter determination of barium in silicon by neutron activation 9−52816
Yakinthos, J.K. *see* Anagnostopoulou-Konsta, A. 9−87233
Yakinthos, J.K. *see* Gamari-Seale, H. 9−78343
Yakinthos, J.K. *see* Ikonomou, P.F. 9−51761
Yakobi, Yu.A. *see* Vagin, S.P. 9−89888
Yakobson, A.A. *see* Krapivin, M.I. 9−76094
Yakobson, A.M. *see* Chuiko, G.A. 9−68431
Yakobson, E.E. *see* Faitel'son, L.A. 9−96066
Yakobson, N.N., Aleksandrov, E.B. Helium magnetometer with pulsed optical pumping 9−67360
Yakovenko, A. *see* Fistul', V.I. 9−65143
Yakovenko, A.A. *see* Alferov, Zh.I. 9−91133
Yakovenko, V.M. *see* Beletskii, N.N. 9−69543
Yakovlenko, S.I. *see* Golger, A.L. 9−59688
Yakovlenko, S.I. *see* Gudzenko, L.I. 9−64211
Yakovlenko, S.I. *see* Marchenko, V.S. 9−98973
Yakovlev, A.P., Gorkusha, P.M., Vlasenko, V.M. Increasing the damping capacity of sheet materials with the aid of laminar coatings 9−66098
Yakovlev, B.S. *see* Bolozdynya, A.I. 9−54747
Yakovlev, D.G. *see* Pavlov, G.G. 9−62818
Yakovlev, E.N., Timofeev, Yu.A., Vinogradov, B.V. Transition of Xe to the metallic state under high pressure. Superconduction of metallic Xe 9−60713
Yakovlev, E.N. *see* Kapitanov, E.V. 9−51892, 9−87628, 9−95162
Yakovlev, E.N. *see* Stepanov, G.N. 9−65576
Yakovlev, F.I. *see* Petrichenko, A.M. 9−96089
Yakovlev, G.N. *see* Gabeskiriya, V.Ya. 9−71938
Yakovlev, L.A. *see* Guseva, E.K. 9−70286
Yakovlev, N.K. Interplanar spacings near the boundaries of ionic crystals and the repulsive forces acting between ions 9−99165
Yakovlev, O.I., Efimov, A.I., Matyugov, S.S., Timofeeva, T.S., Chub, E.V., Yakovleva, G.D. Radioscopy of the nighttime atmosphere of Venus by probes Venera 9 and Venera 10 9−62777
Yakovlev, O.I. *see* Efimov, A.I. 9−88560
Yakovlev, O.I. *see* Kolosov, M.A. 9−80253, 9−80295
Yakovlev, O.I. *see* Timofeeva, T.S. 9−80254
Yakovlev, R.M. *see* Lomanov, M.F. 9−100752
Yakovlev, S.G. *see* Kondrat'ev, Yu.M. 9−62632
Yakovlev, V.A. Photostimulated enhancement of optical lattice vibrations in semiconductors 9−55845
Yakovlev, V.A. *see* Zhizhin, G.N. 9−68441
Yakovlev, V.E. *see* Kuznetsov, A.N. 9−80611
Yakovlev, V.I. *see* Golubnichii, P.I. 9−84617
Yakovlev, V.P. *see* Andreev, V.M. 9−56097
Yakovlev, V.S. *see* Kaftanov, S.V. 9−80612
Yakovlev, V.V. *see* Veseleya, O.G. 9−77143
Yakovlev, V.V. *see* Volkonskii, V.B. 9−50400, 9−72689, 9−72691
Yakovlev, V.Ya. *see* Gonor, A.L. 9−64747, 9−86488
Yakovlev, V.Yu. *see* Lisitsyn, V.M. 9−65079
Yakovlev, Yu.P. *see* Bogatin, V.I. 9−97694
Yakovlev, Yu.S. *see* Obukhov, V.M. 9−58692
Yakovleva, G.D. *see* Kolosov, M.A. 9−80253
Yakovleva, G.D. *see* Yakovlev, O.I. 9−62777
Yakovleva, M.S. *see* Epik, A.P. 9−52443
Yakovleva, N.S. *see* Sherstyuk, A.I. 9−50027
Yakovleva, V.A. *see* Gagen-Torn, V.A. 9−101205
Yakshin, N.M., Chen, B.S., Kavitskii, I.M., Bobrovskikh, I.E., Cherkasov, V.E. Equipment for high-temperature impact fatigue testing of metals 9−52492
Yaku', E.S. Towards a variational theory of physical groups 9−61895
Yakuba, V.V. *see* Mikhailenko, S.A. 9−69745
Yakubenko, A.E. *see* Lushchik, V.G. 9−90231
Yakubov, I.T. *see* Atrazhev, V.A. 9−55466
Yakubov, I.T. *see* Zelener, B.V. 9−86621
Yakubov, V.P. *see* Arzhevikin, Yu.A. 9−84442
Yakubovich, Yu.V. *see* Akatov, Yu.P. 9−87769
Yakubovskii, A.Yu., Suleimanov, S.M. Anomalously low saturation threshold of magnetostatic modes in YIG spheres 9−69729
Yakubovskii, Ch.A. *see* Zhdanovich, G.M. 9−66022
Yakubovskii, E.A. *see* Baranov, D.G. 9−80176
Yakubovskii, E.A. *see* Varyukin, V.V. 9−80963
Yakubtsov, O.A. *see* Cherepin, V.T. 9−87755
Yakunin, A.G. *see* Gos'kov, P.I. 9−67261, 9−71425
Yakunin, M.V. *see* Tsidil'kovskii, I.M. 9−95424
Yakunin, Yu.I. *see* Pavlov, N.I. 9−60853
Yakup, A.V., Leont'ev, Yu.A., Silinskaya, E.G. Stress concentration in tube T-joints operating in the elastic region 9−50601
Yakupov, N.M. *see* Vakhitov, M.B. 9−94497
Yakupov, R.G. Action of a moving load on a cylindrical shell in an elastic medium 9−81754
Yakupova, R.M. *see* Lyu, B.N. 9−57678
Yakushenkov, Yu.G. *see* Soldatov, V.P. 9−71412
Yakushev, A.K. *see* Volod'ko, L.V. 9−85185
Yakushev, A.M. *see* Glaznev, V.N. 9−68773
Yakushev, G.G. *see* Komel'kov, V.S. 9−90476
Yakushev, V.V. *see* Antipenko, A.G. 9−100378
Yakushev, V.V. *see* Gorina, N.B. 9−61873
Yakushev, V.V. *see* Nabatov, S.S. 9−60881
Yakushevich, L.V. *see* Redyanin, V.K. 9−99489
Yakushevich, V.I. *see* Kim, P.D. 9−65701
Yakushin, M.I. *see* Georg, E.B. 9−68952
Yakushina, A.I. *see* Glazunov, M.G. 9−52301
Yakushkin, I.G. Moments of field propagating in randomly homogeneous medium in the limit of saturated fluctuations 9−72497
Yakutov, B.P. *see* Bessarab, A.V. 9−98941
Yakutovich, M.V., Oplesnin, B.A., Yastrebkov, A.A., Lubenets, V.P., Dement'ev, L.N., Zubarev, P.V. Influence of thermomechanical treatment on high-temperature creep of molybdenum and tungsten single crystals 9−79034
Yalamov, Yu.I., Gaidukov, M.N., Golikov, A.M. Two methods of constructing a theory of the diffusional phoresis of large aerosol particles 9−55408
Yalamov, Yu.I., Shchukin, E.R., Ostrovskii, Yu.K., Ivanov, A.N. Heterogeneous condensation of a condensable gaseous substance in a cylindrical channel 9−57298
Yalamov, Yu.I., Shchukin, E.R., Uvarova, L.A. Evaporation of arbitrary-size drop in electromagnetic radiation field 9−72787
Yalamov, Yu.I., Vasil'eva, L.Yu. Theory of the motion of drops of weak solutions in a binary gas mixture inhomogeneous with respect to temperature and concentration 9−64744
Yalamov, Yu.I. *see* Pasternak, V.E. 9−82022
Yalcin, C., Halil, M., Aksahin, E. The charge-asymmetry of two-nucleon interaction due to radiative corrections 9−89161
Yallop, B.D. *see* Clark, D.H. 9−84766
Yamabayashi, N., Yoshida, T., Miyazaki, K., Fujisawa, K. Infrared multi-line NH_3 laser and its application for pumping an InSb laser 9−94216
Yamabe, S. *see* Miura, I. 9−54663, 9−68013
Yamabe, S. *see* Osamura, Y. 9−59361
Yamabe, T., Tanaka, K., Terama-e, H., Fukui, K., Imamura, S., Shirakawa, H., Ikeda, S. Electronic properties of pure and doped polyacetylenes 9−56123
Yamabe, T., Yamashita, K., Fukui, K., Morokuma, K. Structure of protonated thioformaldehyde 9−68201
Yamabe, T. *see* Tachibana, A. 9−72374
Yamabuchi, T., Kagawa, Y. Finite element simulation of a composite piezoelectric ultrasonic transducer 9−68537
Yamada, G. *see* Irie, T. 9−72836, 9−81772, 9−94523, 9−94524
Yamada, H., Inoue, J., Shimizu, M. High-field susceptibility and spin wave spectrum in FCC Fe-Ni alloys 9−56493
Yamada, H., Inoue, J., Shimizu, M. A calculation of the spin wave energy in fcc Fe-Ni alloys 9−87247
Yamada, H., Matsui, T. Mutual slip-through of a pair of vortex rings 9−77129
Yamada, H., Sakamoto, S., Nakao, Y. Studies of the breakdown process in dielectric liquids using high speed photography 9−91367
Yamada, H., Zolnowski, D.R., Cala, S.E., Kahler, A.C., Pierce, J., Sugihara, T.T. Massive transfer accompanying proton, deuteron, and triton emission in heavy-ion reactions 9−93648
Yamada, H. *see* Inoue, J. 9−65659
Yamada, H. *see* Ishii, C. 9−94882
Yamada, H. *see* Shimizu, H. 9−51917
Yamada, H. *see* Sugiyama, Y. 9−56585
Yamada, H. *see* Tsudagawa, M. 9−98505
Yamada, I. *see* Izumi, S. 9−97748
Yamada, I. *see* Natsume, Y. 9−78505
Yamada, I. *see* Takagi, T. 9−49337, 9−83137
Yamada, J., Machida, S., Kimura, T., Takata, H. Dispersion-free single-mode fibre transmission experiments up to 1.6 Gbit/s 9−59812
Yamada, J., Machida, S., Mukai, T., Kano, H., Sugiyama, K. Modulation characteristic of 1.3 μm buried-stripe InGaAsP laser up to 2 Gbit/s data rates 9−98418
Yamada, J., Okuda, T. Interaction between high pressure argon gas and ruby laser light 9−55525
Yamada, J. *see* Kurosu, S. 9−96842
Yamada, J. *see* Machida, S. 9−50385
Yamada, K., Ebisu, O., Inada, Y., Izawa, Y., Kato, Y., Kuroda, J., Mizumoto, Y., Monma, M., Sasaki, T., Yamanaka, T., Yoshida, K., Yamanaka, C. Laser fusion facility 'GEKKO IV'−4 TW four beam phosphate glass laser system 9−81457
Yamada, K., Ozaki, N., Yamamoto, M., Ueyanagi, K. Optimum operating conditions for a laser uranium enrichment plant 9−54578
Yamada, K., Takeuti, Y. Thermal flexure of an infinite plate with a doubly periodic array of holes 9−68586
Yamada, K. *see* Gerry, M.C.L. 9−59445
Yamada, K. *see* Matsunaga, S. 9−71881
Yamada, K. *see* Shimizu, H. 9−56728
Yamada, K. *see* Taira, S. 9−83303
Yamada, M. Conformal symmetry and the vector four-point function 9−49394
Yamada, M. Analytic quantization of elastic waves 9−88815
Yamada, M., Hayano, K., Ishiguro, H., Suematsu, Y. An approximate analysis of gain suppression in injection lasers for band-to-band and band-to-impurity-level transitions 9−98372
Yamada, M., Shigematsu, Y., Fuwa, M. Application of white-noise analysis for studies of retinal neurons 9−66471
Yamada, M., Suematsu, Y. A condition of single longitudinal mode operation in injection lasers with index-guiding structure 9−98362
Yamada, M. *see* Eubank, H. 9−82074
Yamada, M. *see* Furuya, K. 9−81433
Yamada, M. *see* Ohta, M. 9−57023
Yamada, M. *see* Shigematsu, Y. 9−53097
Yamada, M. *see* Wasa, K. 9−51974
Yamada, M. *see* Yamamoto, K. 9−78668
Yamada, O., Nakai, I., Fujiwara, H., Ono, F. High-field susceptibility and magnetization in Fe-Ni Invar alloys 9−56518
Yamada, R., Saidoh, M., Sone, K., Ohtsuka, H. Dose and microstructural effects on surface topography change and sputtering yield in polycrystalline molybdenum bombardment with 2 keV Ne^+ ions 9−65124
Yamada, R., Sone, K., Saidoh, M. Surface microstructural effects on angular distribution of molybdenum particles sputtered with low energy Ne^+ ions 9−100004
Yamada, S., Ebisawa, T., Achiwa, N., Akiyoshi, T., Okamoto, S. Neutron-optical properties of multilayer system 9−55044
Yamada, S., Franklin, U.M., Aust, K.T. Development of the cube orientation texture in dilute aluminum-tin alloys 9−96040
Yamada, S. *see* Hirao, Y. 9−72117
Yamada, S. *see* Nishikawa, H. 9−79475
Yamada, S. *see* Nishina, K. 9−63733
Yamada, S. *see* Tanaka, T.P. 9−76848
Yamada, T. Rolling wear characteristics of annealed carbon steels under dry contact conditions 9−52391
Yamada, T. Risk assessment of energy production 9−83543
Yamada, T., Fujisaka, H. A coupled oscillatory-reaction system exhibiting bifurcation scheme leading to a chaos 9−80517
Yamada, T., Okazaki, S., Fujinaga, T. Automated coulopotentiographic analyzer for trace metal ions 9−92026
Yamada, T., Sogami, S., Kawamura, D. Statistical evaluation of fatigue lives at and near fatigue limit for notched specimens of steel and their life distributions 9−61702
Yamada, T. *see* Akiyama, H. 9−98924
Yamada, T. *see* Azuma, N. 9−56921, 9−91574
Yamada, T. *see* Kaneshima, K. 9−96783
Yamada, T. *see* Mori, T. 9−90534
Yamada, T. *see* Ogawa, H. 9−54649
Yamada, T. *see* Suzuki, M. 9−52972, 9−74924
Yamada, T. *see* Wakabayashi, N. 9−93897
Yamada, Y. Electron phonon interactions and phase transitions 9−65195
Yamada, Y., Kitagawa, Y., Thein, A., Tsuda, I., Yokoyama, M. Interaction of CO_2 laser light with focus plasma 9−82101
Yamada, Y. *see* Aguirre, C. 9−62699
Yamada, Y. *see* Imamura, T. 9−94869
Yamada, Y. *see* Kitagawa, Y. 9−98943
Yamada, Y. *see* Mori, M. 9−65185, 9−95156
Yamada, Y. *see* Tazaki, S. 9−68507
Yamadera, A. *see* Yagi, M. 9−88185
Yamafuji, K. *see* Matsushita, T. 9−56478
Yamafuji, K. *see* Sakamoto, N. 9−99666
Yamaga, M., Hayashi, Y., Yoshioka, H. Jahn-Teller effect in the ESR spectrum of the complex $(AgBr_6)^{4-}$ in mixed crystals $AgBr_{1-x}Cl_x$ 9−91294
Yamaga, M., Yoshioka, H. Jahn-Teller type self-trapping of holes in mixed crystals $AgBr_{1-x}Cl_x$ 9−65709
Yamaga, M., Yoshioka, H. Electron spin resonance of self-trapped holes 9−73811
Yamaga, M. *see* Tsuda, S. 9−83587
Yamagami, T. *see* Hayakawa, S. 9−71128
Yamagami, T. *see* Nishimura, J. 9−80218
Yamagata, T. *see* Kumabe, I. 9−89264
Yamagishi, H. qqq̄q̄ NN A degeneracy for baryonium 9−58971

Yamagishi, H., Nittono, O. X-ray study on lattice defects in Ar^+ ion implanted copper whiskers 9—99230
Yamagishi, H. *see* Nittono, O. 9—51461
Yamagishi, H. *see* Wakayama, N. 9—76112
Yamagishi, N. On the long-period diffracted P waves observed at Matsushiro 9—96744
Yamagishi, T. *see* Schaffer, M.J. 9—50885
Yamagishi, W. *see* Sagawa, M. 9—87593
Yamagishi, Y. *see* Abe, S. 9—63734
Yamagiwa, K. *see* Kozima, H. 9—64889
Yamaguchi, A. *see* Akita, K. 9—61519
Yamaguchi, H. On the correlation between the mean daily temperature at Nagaoka and the difference of atmospheric pressures measured at two points in the eastern district of the Eurasian continent during the winter 9—66777
Yamaguchi, H. On the correlation between the mean daily temperatures in Niigata-prefecture and the differences of atmospheric pressures measured at two points in the eastern district of the Eurasian continent during the winter 9—96803
Yamaguchi, H. *see* Higashi, M. 9—54875
Yamaguchi, H. *see* Hirama, T. 9—50788
Yamaguchi, H. *see* Kurobane, I. 9—83856
Yamaguchi, I. *see* Kubota, M. 9—97880
Yamaguchi, I. *see* Yamazaki, A. 9—89664
Yamaguchi, J. *see* Nakagawa, T. 9—69780
Yamaguchi, K., Endo, S., Koga, J., Okamoto, Y. Characteristics of particle shape. I. Measurement of particle shape by Fourier analysis 9—88506
Yamaguchi, K., Harashima, F., Naruto, H., Kishi, T. A microprocessor-based control system for on-line color-intensity measurement 9—58770
Yamaguchi, K., Mori, T., Sakata, T. Epitaxial growth of YSmLuCaGeIG films with three micron diameter magnetic bubbles 9—61518
Yamaguchi, K., Yabushita, S., Fueno, T. Unrestricted Hartree-Fock (UHF) calculations of singlet and triplet diradicals: nitrene peroxide (HNOO) 9—97975
Yamaguchi, K. *see* Ikegami, S. 9—87992
Yamaguchi, K. *see* Kanazawa, K. 9—87717
Yamaguchi, K. *see* Nakagawa, K. 9—55243
Yamaguchi, K. *see* Yamazaki, Y. 9—77229
Yamaguchi, M., Umakoshi, Y. The deformation of AgMg single crystals at high temperatures 9—61674
Yamaguchi, M. *see* Shinoda, Y. 9—66176
Yamaguchi, M. *see* Usami, A. 9—66406
Yamaguchi, M. *see* Yoshino, K. 9—81498
Yamaguchi, N. K_α emission induced by X-rays from laser-produced plasma 9—90460
Yamaguchi, N., Mizui, J. Satellite lines to the higher-order resonance series lines of helium-like ions observed in laser-produced plasmas 9—85930
Yamaguchi, N., Mizui, J. Satellite lines to the higher-order resonance series lines of helium-like ions observed in laser-produced plasmas 9—86618
Yamaguchi, N. *see* Kohmoto, O. 9—99743
Yamaguchi, N. *see* Yamanaka, C. 9—82070
Yamaguchi, S. An experiment for electron microscopy 9—49339
Yamaguchi, S. Magnetic analysis of an amorphous alloy magnet by electron diffraction 9—56568
Yamaguchi, S. On the magnetic analysis of an amorphous magnetic alloy by the aid of electron diffraction 9—61182
Yamaguchi, S. Microscopy in electron diffraction apparatus 9—80727
Yamaguchi, S., Fujino, Y., Koiwa, M., Hirabayashi, M., Takahashi, J., Ozawa, K., Doi, K. An ion channeling study of NbO crystals. II. Neutron and deuteron radiation damage 9—65131
Yamaguchi, S. *see* Fujino, Y. 9—60416
Yamaguchi, S. *see* Ohta, M. 9—52998
Yamaguchi, T., Hamano, K. Interferometric method of measuring complex piezoelectric constants of crystals in a frequency range up to about 50 kHz 9—63270
Yamaguchi, T., Hirayama, T. PROM writer 9—101072
Yamaguchi, T. *see* Fukami, T. 9—91105, 9—91106
Yamaguchi, T. *see* Kimura, H. 9—60405
Yamaguchi, T. *see* Mikami, Y. 9—101071
Yamaguchi, U. *see* Shimotani, T. 9—79822
Yamaguchi, Y. A new scheme to second-quantize strongly coupled fields 9—97502
Yamaguchi, Y., Nakajima, T., Nishikawa, M. Conduction band energy in dense ethane fluid 9—87136
Yamaguchi, Y., Watanabe, H. Magnetic and crystallographic study on the electronic state of interstitial cations in MnSb 9—55698
Yamaguchi, Y. *see* Hiramatsu, S. 9—63238
Yamaguchi, Y. *see* Nakashima, S. 9—95809
Yamaguchi, Y. *see* Nishihara, Y. 9—91260
Yamaguchi, Y. *see* Suck, S.H. 9—98081
Yamaguchi, Y. *see* Tsurumi, S. 9—52278
Yamaguchi, Y. *see* Yamashita, O. 9—56501, 9—91225
Yamaguti, M., Matano, H. Euler's finite difference scheme and chaos 9—80523
Yamakami, T. *see* Kamiyoshi, K.-I. 9—51896
Yamakawa, H., Fujii, M., Shimada, J. Statistical mechanics of helical wormlike chains. IX. Anisotropic light scattering 9—99891
Yamakawa, H., Kato, Y., Aoyama, I., Tohyama, F., Seto, M., Hayasaka, T. Geomagnetic observation of Sanriku by B_5-79 9—79733
Yamakawa, H. *see* Shimada, J. 9—55914
Yamakawa, K. Diffusion of deuterium and isotope effect in nickel 9—86928
Yamakawa, K. *see* Gotoh, A. 9—73342
Yamakawa, K. *see* Izumi, Y. 9—79159
Yamakawa, N. *see* Suwa, A. 9—62628
Yamakawa, S. *see* Yamamoto, F. 9—61709
Yamakita, J., Rokushima, K. Analysis of thin-film waveguides with refractive index fluctuation using coupled power equations 9—72710
Yamakoshi, K. *see* Nagasawa, H. 9—84755
Yamakoshi, K. *see* Niizeki, H. 9—84302
Yamakoshi, S. *see* Ueda, O. 9—60369
Yamamizu, F., Takahashi, H., Gotoh, N., Ohta, Y., Shiono, K. Vertical distribution of the seismic S-wave velocities at the site of the Iwatsuki Deep Borehole Observatory of crustal activities [Japan] 9—62457
Yamamoto, A., Nakazawa, H., Tokonami, M. A general treatment of modulated structures 9—94966
Yamamoto, A. *see* Hirabayashi, H. 9—72053
Yamamoto, A. *see* Horiuchi, S. 9—60513
Yamamoto, A. *see* Kurokawa, S. 9—68007
Yamamoto, A. *see* Nakazawa, H. 9—99178
Yamamoto, A. *see* Nukui, A. 9—99144
Yamamoto, F., Yamakawa, S. Crack resistance of heat-shrinkable tubing 9—61709
Yamamoto, H. Exact relation between the sine-Gordon system and the Coulomb gas system 9—54068
Yamamoto, H. First order melting transition in the incommensurate phase 9—85094
Yamamoto, H., Kano, T. Enhancement of cathodoluminescence efficiency of rare earth activated Y_2O_2S by Tb^{3+} or Pr^{3+} 9—69891
Yamamoto, H., Kawaguchi, T., Nagakura, M. A new permanent magnet material: modified Ca ferrite 9—83148
Yamamoto, H., Kobayashi, Y. Effect of BaO substitution on some properties of anisotropic Ca ferrite magnets 9—99697
Yamamoto, H., Misaki, T., Yumoto, Y., Kuwahara, M. A RI image processing system for diagnosis of liver diseases 9—83925
Yamamoto, H., Murase, M., Sumida, I., Izumi, S., Sagawa, N. Investigation of measuring accuracy of automatic plugging indicator 9—63732
Yamamoto, H., Nakayama, I., Ohmi, T. Commensurate-incommensurate phase transition in nearly half-filled band 9—65384
Yamamoto, H., Naoe, M., Yamanaka, S. Preparation of amorphous films of rare earth transition metal system by co-sputtering 9—56928
Yamamoto, H., Sendai, S. Sintered composite of $MoSi_2$-granular Al_2O_3 9—95989
Yamamoto, H., Sumida, I., Izumi, S., Sagawa, N. Method for determination of saturated temperature with automatic plugging indicator 9—97747
Yamamoto, H. *see* Deki, K. 9—55153
Yamamoto, H. *see* Hanada, S. 9—79026
Yamamoto, H. *see* Matsuno, Y. 9—97867
Yamamoto, H. *see* Susuki, Y. 9—58966
Yamamoto, I. Pneumatic micrometer with positive feedback system 9—93101
Yamamoto, I., Kanagawa, A. Preliminary experiments of separation of tritium isotope by distillation of water 9—63812
Yamamoto, I., Kanagawa, A. Synthesis of value function for multicomponent isotope separation 9—67955
Yamamoto, I. *see* Morita, T. 9—57544
Yamamoto, J. Infrared reflectance of anodized aluminium as a cryogenic material 9—61387
Yamamoto, J. Infrared reflectance of anodized aluminium as a cryogenic material 9—71458
Yamamoto, J., Shigi, T. Low-evaporation helium cryostat with a refrigerator [for superconducting magnets] 9—58733
Yamamoto, J. *see* Ikeda, O. 9—68473
Yamamoto, J. *see* Takahashi, A. 9—67936
Yamamoto, K., Arndt, R.E.A. Peak Strouhal frequency of subsonic jet noise as a function of Reynolds number 9—77196
Yamamoto, K., Arndt, R.E.A. Asymmetry of a circular jet observed in near and far fields 9—77197
Yamamoto, K., Ueda, K., Yamada, M., Abe, K. Infrared study of surface phonon modes in ZnO small crystals 9—78668
Yamamoto, K. *see* Aoki, K. 9—56135, 9—83020
Yamamoto, K. *see* Kawasaki, R. 9—67382
Yamamoto, K. *see* Kolb, D.M. 9—99419
Yamamoto, K. *see* Mitamura, Y. 9—84021
Yamamoto, K. *see* Onuma, T. 9—96708
Yamamoto, K. *see* Pack, D.C. 9—94661
Yamamoto, M., Kaneto, K., Yoshino, K., Inuishi, Y. Negative magnetoresistance in (SN)x single crystal 9—51611
Yamamoto, M., Murayama, S. Analysis of resonant Voigt effect 9—76390
Yamamoto, M. *see* Kaneto, K. 9—91091
Yamamoto, M. *see* Morita, S. 9—54638
Yamamoto, M. *see* Tanaka, E. 9—66522
Yamamoto, M. *see* Tsujino, K. 9—73472
Yamamoto, M. *see* Yamada, K. 9—54578
Yamamoto, R., Doyama, M. The polyhedron and cavity analyses of a structural model of amorphous iron 9—50994
Yamamoto, R. *see* Tanabe, J. 9—76233
Yamamoto, R.K. *see* Brick, D. 9—58980
Yamamoto, S., Kobayashi, K., Hayashi, S.A., Kimura, I., Gotoh, H., Yagi, H. Measurements of the $^{115}In(n,n')^{115m}In$ reaction cross section using a proton recoil detector with a CsI(Tl) scintillator 9—54433
Yamamoto, S., Okamura, Y. Guided-radiation mode interaction in off-axis propagation in anisotropic optical waveguides with application to direct-intensity modulators 9—76839
Yamamoto, S. *see* Kohno, H. 9—66542
Yamamoto, S. *see* Ohasa, K. 9—64906
Yamamoto, S. *see* Suzuki, R. 9—88226
Yamamoto, T., Hino, Y., Itagaki, S., Sugiyama, K. Gamma-ray production cross sections for interactions of 14.8 MeV neutrons with O, Na, Al, Cl, Cr, Fe, Ni, Cu and Pb 9—49622
Yamamoto, T., Sakai, K., Akiba, S. 10000-h continuous CW operation of $In_{1-x}Ga_xAs_yP_{1-y}/InP$ DH lasers at room temperature 9—98384
Yamamoto, T., Sato, K., Yoshimoto, C. The characteristics of position-sensitive multiwire proportional chamber for 140 keV gamma rays 9—54749
Yamamoto, T., Sato, K., Yoshimoto, C. Characteristics of the multiwire proportional chamber using matrix cathode 9—81136
Yamamoto, T., Seki, J. A model for the infrared brightening of a nova shell 9—97007
Yamamoto, T., Shimizu, Y. Relation of radiation to gastric carcinoma observed in autopsy cases in a fixed population, Hiroshima and Nagasaki 1961-74 9—57721
Yamamoto, T., Yasuda, K., Kato, M. Vibrations of a string with time-variable length 9—92953
Yamamoto, T. *see* Fuji, M. 9—66547
Yamamoto, T. *see* Hara, A. 9—74096
Yamamoto, T. *see* Imai, T. 9—90426
Yamamoto, T. *see* Maeno, M. 9—98984
Yamamoto, T. *see* Maki, K. 9—51042
Yamamoto, T. *see* Nishida, K. 9—73349
Yamamoto, T. *see* Nozawa, T. 9—51802
Yamamoto, T. *see* Sakai, K. 9—70001
Yamamoto, T. *see* Sako, K. 9—76126
Yamamoto, T. *see* Takagi, K. 9—52999
Yamamoto, T. *see* Takeda, S. 9—50863
Yamamoto, T. *see* Yamamoto, Y. 9—57744
Yamamoto, Y. A possible explanation for the excitation energy of the second O^+ state of ^4He 9—67658
Yamamoto, Y., Munakata, H., Nakanishi, Y., Nishikawa, K., Sakata, M., Dake, S. High transverse momentum of γ-ray bundles ($>10^{12}$ eV) in air showers 9—62701
Yamamoto, Y., Naruse, Y., Kamiya, T., Yanai, H. Low loss splice of single-mode-fibers using tapered velocity couplers 9—55246
Yamamoto, Y., Stephens, K.G. A metallurgical investigation of the Au-Sb and Au-As systems 9—91719
Yamamoto, Y., Wilson, I.H., Itoh, T. Gettering effect by oxygen implantation in SOS 9—65103
Yamamoto, Y., Yamamoto, T. Dynamic system for the measurement of electrical skin impedance 9—57744
Yamamoto, Y., Yoshino, K., Inuishi, Y. Influence of halogen on electrical properties of phthalocyanine 9—51586
Yamamoto, Y. *see* Dake, S. 9—62700
Yamamoto, Y. *see* Kitajima, T. 9—62702
Yamamoto, Y. *see* Miyazaki, T. 9—64610
Yamamoto, Y. *see* Teichroew, D. 9—89580
Yamamoto, Y. *see* Tohge, N. 9—74126
Yamamoto, Y. *see* Yoshino, K. 9—51559, 9—65563
Yamamura, A. *see* Oki, K. 9—100137
Yamamura, T. *see* Ejima, T. 9—60530
Yamamura, T. *see* Umezawa, Y. 9—100529
Yamamuro, N. *see* Emoto, T. 9—81143
Yamanaka, C., Nakai, S., Yamanaka, T., Mima, K., Sasaki, T., Matoba, M., Azechi, H., Norimatsu, T., Nishimura, H., Miyanaga, N., Oda, S., Aono, K., Yanase, Y., Yoshino, M., Mizui, J., Yamaguchi, N. Anomalous interaction of high intensity laser beams with plasma 9—82070
Yamanaka, C. *see* Kawakami, H. 9—49306
Yamanaka, C. *see* Kitagawa, Y. 9—98943
Yamanaka, C. *see* Maeyama, H. 9—81192
Yamanaka, C. *see* Matoba, M. 9—81456
Yamanaka, C. *see* Morikawa, M. 9—81414
Yamanaka, C. *see* Murakami, Y. 9—57559
Yamanaka, C. *see* Niki, H. 9—49865
Yamanaka, C. *see* Sakagami, Y. 9—63809
Yamanaka, C. *see* Yamada, K. 9—81457
Yamanaka, H. *see* Kazumura, M. 9—95479
Yamanaka, H. *see* Terai, R. 9—93745
Yamanaka, H. *see* Teramoto, I. 9—99445
Yamanaka, K. *see* Ishigami, I. 9—61752
Yamanaka, K. *see* Kurokawa, S. 9—68007

Yamanaka, K. *see* Nakajima, H. 9—86312
Yamanaka, K. *see* Shioyama, T. 9—82692
Yamanaka, K. *see* Sone, T. 9—61780
Yamanaka, M. *see* Morikawa, M. 9—81414
Yamanaka, S., Hirose, H., Takada, S. Nitrogen oxides emissions from domestic kerosene-fired and gas-fired appliances 9—88023
Yamanaka, S. *see* Ishii, K. 9—87097
Yamanaka, S. *see* Usami, K. 9—78237
Yamanaka, S. *see* Yamamoto, H. 9—56928
Yamanaka, T. *see* Yamada, K. 9—81457
Yamanaka, T. *see* Yamanaka, C. 9—82070
Yamanaka, Y. *see* Kurihara, A. 9—58740
Yamane, I. *see* Matsumoto, S. 9—61926
Yamane, M. *see* Ohta, M. 9—87646
Yamane, S., Odajima, A. Extrapolation method in the determination of radial size distribution of parallel cylinders from small-angle X-ray scattering 9—100450
Yamane, T., Takahashi, J., Yamashita, N. Effect of electron-irradiation on precipitation in Fe-N alloy 9—52221
Yamane, T., Yamasaki, H., Omukai, Y., Kumano, H. Thermal battery using calcium anode 9—83584
Yamane, T. *see* Kiyoshige, M. 9—87763
Yamanishi, M. *see* Minami, T. 9—99948
Yamano, K. *see* Hattori, M. 9—50565
Yamanoi, M. On polariton instability and thermodynamic phase transition in a photon-matter system 9—86150
Yamanouchi, A. *see* Ozaki, N. 9—49793
Yamanouchi, C. *see* Uwe, H. 9—73426
Yamanouchi, C. *see* Yoshihiro, K. 9—95786
Yamanouchi, H. *see* Minato, A. 9—89397
Yamanouchi, K., Ishii, M., Shibayama, K. Thermal stress effects of acoustic surface waves in layered media 9—98573
Yamanouchi, K., Shibayama, K. Low insertion loss acoustic surface wave filters 9—72772
Yamanouchi, M. *see* Furuno, K. 9—54621
Yamanouchi, T. Direct search for charm in accelerator proton collisions 9—63534
Yamaoka, H. *see* Matsuyama, T. 9—56610
Yamaoka, N., Saito, M., Amano, M. Slice thickness in computed tomography 9—92353
Yamaoka, S. *see* Ohsaka, T. 9—61384
Yamaoka, T. *see* Kono, R. 9—77688
Yamaoka, T. *see* Nakajima, K. 9—96009
Yamaryo, S. *see* Kishimoto, M.H. 9—85191
Yamasaki, A. Data compilation of cobalt-59 nuclear magnetic resonance 9—68242
Yamasaki, A. *see* Motozima, K. 9—70874
Yamasaki, H. A transversal study on the methods of flow measurement corresponding to flow characteristics 9—98834
Yamasaki, H. *see* Yamane, T. 9—83584
Yamasaki, S., Aomine, T. Self-heating effects in long superconducting thin films over a wide temperature range 9—51717
Yamasaki, S., Kebukawa, T., Sunakawa, S. Excitation-modes and their interactions in a many-boson system. I 9—71361
Yamasaki, S., Kebukawa, T., Sunakawa, S. Excitation-mode and their interactions in a many-boson system. II 9—71362
Yamashina, K. Induced earthquakes in the Izu Peninsula by the Izu-Hanto-oki earthquake of 1974, Japan 9—66650
Yamashina, T. *see* Abe, T. 9—95929
Yamashina, T. *see* Mohri, M. 9—74039
Yamashina, T. *see* Watanabe, K. 9—61768
Yamashita, E., Atsuki, K., Hashimoto, O., Kamijo, K. Modal analysis of homogeneous optical fibers with deformed boundaries 9—59824
Yamashita, H., Fukui, K., Misawa, S., Yoshida, S. Optical properties of AlN epitaxial thin films in the vacuum ultraviolet region 9—56872
Yamashita, H. *see* Matsumoto, S. 9—61926
Yamashita, K., Kaneko, F., Hino, T. Neutralization of mobile ions in insulating film of MIS structure 9—73591
Yamashita, K. *see* Davelaar, J. 9—71085
Yamashita, K. *see* Hino, T. 9—95503
Yamashita, K. *see* Iwanami, H. 9—53942
Yamashita, K. *see* Kawase, M. 9—72709
Yamashita, K. *see* Takashima, Y. 9—54192
Yamashita, K. *see* Yamabe, T. 9—68201
Yamashita, K. *see* Yamauchi, H. 9—82430
Yamashita, M. Phase transition in the three-state Potts-Kihara model 9—85093
Yamashita, M. Experimental measurements of transmission characteristics of a monopole mass spectrometer 9—93249
Yamashita, M., Nakano, H. Phase separations accompanied by magnetic ordering in binary mixtures of paramagnetic atoms 9—65638
Yamashita, M., Nakano, H., Homma, S. Effect of orientational ordering in solid hydrogen at low ortho concentration 9—56018
Yamashita, N. *see* Asano, S. 9—99937
Yamashita, N. *see* Maruyama, K. 9—63484
Yamashita, N. *see* Yamane, T. 9—52221
Yamashita, O., Yamaguchi, Y., Watanabe, H., Nakatani, I., Masumoto, K. Polarized neutron diffraction study of a $CuCr_2Se_4$ single crystal 9—56501
Yamashita, O., Yamauchi, H., Yamaguchi, Y., Watanabe, H. Magnetic properties of the system $CuCr_2Se_{4-x}Y_x$ (Y=Cl, Br) 9—91225
Yamashita, S. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Yamashita, S. *see* Furuya, Y. 9—77127
Yamashita, S. *see* Imai, Y. 9—70375
Yamashita, S. *see* Kajimura, T. 9—76694
Yamashita, T. Rate of recombination of nitrogen atoms 9—68968
Yamashita, T. Compensation for the vertical astigmatism in Seya-Namioka monochromator. I. The use of a spherical mirror 9—76841
Yamashita, T. Dislocation distribution and the mutual dependence of static source parameters in the presence of non-uniform initial stress 9—79747
Yamashita, T., Ogawa, Y., Onodera, Y. Kinetic momentum quantum effect in superconducting closed loop composed of Josephson junctions 9—87199
Yamashita, T., Onodera, Y. RF-SQUID magnetometer biased by harmonic 9—93175
Yamashita, T., Tagawa, Y. Two-body and massless leg model for human level walking 9—83839
Yamashita, T. *see* Ikegami, S. 9—87992
Yamashita, T. *see* Kobayashi, T. 9—82712
Yamashita, T. *see* Maeda, M. 9—64208
Yamashita, Y. *see* Maehara, H. 9—84798
Yamashita, Y. *see* Sato, K. 9—80310
Yamato, H. Application of fueling by neutral gas in the JAERI experimental fusion reactor 9—76128
Yamato, H. *see* Sako, K. 9—76126
Yamato, K. *see* Ueyama, N. 9—91665
Yamatomi, J. *see* Shimotani, T. 9—79822
Yamauchi, H., de Fontaine, D. Elastic interaction of defect clusters with arbitrary strain fields in an anisotropic continuum 9—60397
Yamauchi, H., Yamashita, K., Takeuchi, H. $Ba_2Si_2TiO_8$ for surface-acoustic-wave devices 9—82430
Yamauchi, H. *see* Yamashita, O. 9—91225
Yamauchi, K., Yatsuya, S., Mihama, K. Growth of fine particles of the Fe-N system prepared by reactive gas evaporation technique 9—56919
Yamauchi, S., Pratt, D.W. Isotope effects on the fine structure parameters and phosphorescence spectra of triplet benzophenones 9—50065
Yamauchi, T. *see* Matoba, T. 9—50890, 9—77420
Yamauchi, Y. *see* Susa, N. 9—49286
Yamaura, H., Matsuzawa, T. Tumour regrowth after irradiation: an experimental approach 9—92292
Yamaura, T. *see* Kobayashi, A. 9—93107
Yamawaki, K. Counting rules and determination of quark masses in chiral $SU_4 \otimes SU_4$ 9—63437
Yamawaki, K. *see* Inami, T. 9—71734
Yamawaki, M. *see* Kishida, K. 9—57141
Yamaya, K., Geballe, T.H., Kwak, J.F., Greene, R.L. The effect of pressure on the superconducting transition temperature in $TaSe_3$ 9—91182
Yamazaki, A., Mogi, K., Koyama, M., Yamaguchi, I. Microwave spectrum and structure of disulfur dichloride, $S_2{}^{34}Cl_2$ 9—89664
Yamazaki, H. *see* Kondo, M. 9—53230
Yamazaki, I., Fujita, M., Sushida, K., Shindo, Y., Baba, H. An apparatus for measuring emission-quantum-yield spectrum and data-processing program system 9—89008
Yamazaki, I., Sushida, K., Baba, H. Vapor-phase fluorescence emissions of pyridine and its methyl derivatives: Excitation-energy dependence of nonradiative electronic relaxation 9—86000
Yamazaki, K., Uchida, T. Second order effect of a high-β Tokamak equilibrium 9—68943
Yamazaki, K. *see* Nihei, H. 9—55521
Yamazaki, K. *see* Oda, J. 9—98665
Yamazaki, M. Finite cross section for three-particle scattering 9—67195
Yamazaki, M. Finite cross section for three-particle scattering 9—85011
Yamazaki, M., Uchida, T. High energy proton-proton scattering and multiple scattering model including inelastic intermediate states 9—89189
Yamazaki, N. *see* Sato, K. 9—54648
Yamazaki, S., Ogura, S., Fukazawa, Y., Hatae, N. The effect of bubble dispersion on high-temperature tensile behaviour of doped tungsten wire 9—74237
Yamazaki, T. Muon spin relaxation in magnetic materials 9—56668
Yamazaki, T., Hayano, R.S., Kuno, Y., Imazato, J., Nagamine, K., Kohn, S.E., Huang, C.Y. Giant hyperfine anomaly between bound negative muon and Rh nucleus in Pd metal 9—56707
Yamazaki, T. *see* Doyama, M. 9—56704
Yamazaki, T. *see* Hayano, R.S. 9—56670, 9—56671
Yamazaki, T. *see* Katsumata, S. 9—58847, 9—93232
Yamazaki, T. *see* Miura, I. 9—54663, 9—68013
Yamazaki, T. *see* Nishida, N. 9—56664, 9—56687
Yamazaki, T. *see* Sato, K. 9—54648
Yamazaki, T. *see* Shibata, T.A. 9—85414
Yamazaki, T. *see* Uemura, Y.J. 9—56669
Yamazaki, Y., Hilhorst, H.J. Differential real-space renormalization of the two-dimensional gaussian model 9—54067
Yamazaki, Y., Simizu, M. Hydrodynamic and hydraulic studies on void fractions in two-phase flow 9—55411
Yamazaki, Y., Wohlfahrt, H.D., Shera, E.B., Hoehn, M.V., Steffen, R.M. Discrepancy between theory and experiment in nuclear polarization corrections of muonic ^{208}Pb 9—64123
Yamazaki, Y., Yamaguchi, K. Characteristics of cocurrent two-phase downflow in tubes. Flow pattern, void fraction and pressure drop 9—77229
Yamazaki, Y. *see* Suzuki, T. 9—51922
Yamazoe, Y. *see* Sasai, Y. 9—87058
Yamdagni, N. *see* Aahlin, P. 9—93468
Yamdagni, Y. *see* Fry, J.R. 9—54366
Yamin, P., Repeta, L. Tests of a new secondary emission chamber at the AGS 9—72187
Yamini, S., Young, R.J. Crack propagation in and fractography of epoxy resins 9—70154
Yammamoto, M. Ultrasonic flowmeter 9—98837
Yammine, S. Scalar extensions in universal algebra 9—53956
Yamnitskii, V.A. *see* Shilyaev, B.A. 9—90703
Yampol'skii, G.Ya. *see* Yuzhakov, I.V. 9—87782
Yampolskii, V.I. *see* Panteleev, G.V. 9—55225
Yampol'skii, Yu.M. *see* Bezrodnyi, V.G. 9—96859
Yampurin, N.P. *see* Bogatyrev, Yu.K. 9—72630
Yamshchikov, E.F. *see* Kachkurova, I.Ya. 9—64300
Yamshchikov, L.F., Lebedev, V.A., Nichkov, I.F. Thermodynamic properties of Zn-Y alloys 9—70041
Yamshchikov, V.S., Sidorov, E.E., Baukov, Yu.N., Potapov, V.S. Vibroacoustic quality control of layered structures 9—70274
Yamshita, M., Amemiya, Y. Critical surface tension of silicon films and aligning properties of nematic MBBA molecules 9—90846
Yamzin, I.I. *see* Akhmedzhanov, Z.I. 9—94849
Yamzin, I.I. *see* Treushnikov, E.N. 9—90595
Yan, A.Yi., Wilkinson, C.D.W. Optical frequency-selective filters in ion-exchanged waveguides 9—50387
Yan, G., L'Archeveque, J.V.R., Watkins, L.M. Distributed computer control systems in future nuclear power plants 9—76105
Yan, G. *see* Paul, R.N. 9—89486
Yan, M.M., Huang, P.N.S. Perturbation solutions to phase change problem subject to convection and radiation 9—76962
Yan Mu-Lin, Zhao Bao-Heng, Guo Han-Ying Renormalization of gravitational field with torsion 9—93026
Yan Mu-Lin *see* Zhao Bao-Heng 9—49406
Yan Shou-sheng *see* Lu Kou 9—99385
Yan Zhang *see* Zhang Yan
Yan-Chow Ma On the multi-soliton solutions of some nonlinear evolution equations 9—58556
Yan-Chow Ma The perturbed plane-wave solutions of the cubic Schrodinger equation 9—58587
Yan-ru Xia *see* Xia Yan-ru
Yan-Song Chen *see* Chen Yan-Song
Yan-yun Zu *see* Zu Yan-yun
Yan-zeng Zhao *see* Zhao Yan-zeng
Yanabe, T., Imoto, S. Surface analysis of SUS 316 by SIMS, SEM and ESCA 9—52825
Yanabu, T. *see* Kumabe, I. 9—89264
Yanabu, T. *see* Matsuki, S. 9—67777
Yanagase, T. *see* Kawahara, M. 9—52746
Yanagawa, H. *see* Ogai, M. 9—50471
Yanagi, H., Tamura, T., Tabata, Y. A simple continuous flow cryostat for low temperature experiments in pile 9—54471
Yanagi, T., Ohkuma, T. Behaviors of impurities in liquid sodium. III. Molten salt extraction for removing hydrogen from liquid sodium 9—63743
Yanagi, T. *see* Yoda, S. 9—49649
Yanagida, H. *see* Hishita, S. 9—78948
Yanagida, H. *see* Shimizu, T. 9—56949
Yanagida, H. *see* Takata, M. 9—95408
Yanagida, M. *see* Kakusho, O. 9—72761
Yanagida, S. *see* Yoshino, K. 9—82925
Yanagida, T. *see* Maehara, T. 9—89091
Yanagihara, N., Manabe, H., Iwaki, T. A liquid fuel cell with long life 9—83590
Yanagisawa, K. *see* Garrard, B.J. 9—99346
Yanagisawa, K. *see* Saeki, Y. 9—83732
Yanagisawa, K. *see* Wanklyn, B.M. 9—65991
Yanagisawa, M. *see* Shima, E. 9—66654
Yanagisawa, S. *see* Fukuyama, T. 9—66005
Yanagisawa, Y. *see* Fuchi, H. 9—59299, 9—63548, 9—80112, 9—85299
Yanagita, T. *see* Kitajima, T. 9—62702
Yanagiuchi, Y. *see* Kojima, T. 9—50207, 9—55056
Yanai, H. *see* Seki, K. 9—55139, 9—98365
Yanai, H. *see* Yamamoto, Y. 9—55246
Yanaka, T. *see* Sakuta, K. 9—96485
Yanakiev, N.Iv. Evaluation of some thermodynamic functions of crystal hydrates 9—66332
Yanase, Y. *see* Yamanaka, C. 9—82070
Yance, J.V. Analysis of differences in municipal treatment levels 9—83649
Yanchukovskii, A.L. Insuring reliability in spectrographic cosmic-ray variation data 9—84610

Yanenko, N.N., Kovenya, V.M., Lisejkin, V.D., Fomin, V.M., Vorozhtsov, E.V. On some methods for the numerical simulation of flows with complex structure 9—49055
Yanenko, N.N. *see* Fomin, V.M. 9—64693
Yanenko, N.N. *see* Kovenya, V.M. 9—50838
Yanes, C., Pellicer, J., Rojas, E., Zamora, M. Calorimetric cell for the measurement of excess enthalpy of volatile liquids. Excess enthalpy of cis-9-octadecenoic acid+cyclohexane at 298.15K 9—58689
Yanev, T.K., Mishev, D.N. Radiance of reflective surface of natural formations 9—62515
Yanev, T.K. *see* Mishev, D.N. 9—58187
Yang, C.C. *see* Keyes, P.H. 9—95134
Yang, C.I. *see* Moran, T.J. 9—89358
Yang, C.N. Magnetic Monopoles, fibre bundles and gauge fields 9—80741
Yang, C.S. *see* Sehgal, B.R. 9—67837
Yang, C.Y. Crystallography of decahedral and icosahedral particles. I. Geometry of twinning 9—86801
Yang, C.Y., Halicioglu, T. Atomistic studies of the structural stability of isolated small particles 9—77957
Yang, C.Y., Heinemann, K., Yacaman, M.J., Poppa, H. A structural analysis of small vapor-deposited 'multiply twinned' gold particles 9—82488
Yang, C.Y., Liu, H.W., Ficalora, P.J. The effect of chlorine gas on the fatigue crack growth rate in a mild steel 9—74254
Yang, C.Y., Yacaman, M.J., Heinemann, K. Crystallography of decahedral and icosahedral particles. II. High symmetry orientations 9—86732
Yang, C.Y. *see* Heinemann, K. 9—77566
Yang, C.Y. *see* Yacaman, M.J. 9—77567
Yang, D. *see* Sprang, S. 9—83696
Yang, F.J. *see* Cram, S.P. 9—57319
Yang, G.Y. *see* Crittenden, A.W. 9—67830
Yang, H.C., Chou, Y.T. The ⟨111⟩ line force in a cubic crystal 9—55741
Yang, H.W.H., Chien, J.C.W. Electron-electron double resonance study of polymer chain motions 9—69753
Yang, J. *see* Melen, R.E. 9—68027
Yang, J.M., Sweeney, D.W. Infrared holography using the thermochromic material Cu_2HgI_4 9—86135
Yang, J.W., Madni, I.K., Agrawal, A.K. Numerical simulation of thermohydraulic transients in LMFBR systems 9—54485
Yang, L., Simnad, M., Baugh, W., Kang, C. Study of material compatibility for GCFR core-catcher applications 9—59171
Yang, L. *see* Mason, P. 9—55987
Yang, L.S. *see* Lou, Y.S. 9—99394
Yang, N.Y.C. *see* Ritter, A. 9—82223
Yang, P.C. *see* Barber, D. 9—54289, 9—54346
Yang, P.C. *see* Barber, D.P. 9—89175, 9—97631
Yang, R.Y.K. *see* Towler, B.F. 9—72796
Yang, S.-C. *see* Freedman, A. 9—74402
Yang, S.-K. *see* Fujisaki, H. 9—54328
Yang, S.L., Alderson, P.O., Kaizer, H.A., Wagner, H.N., Jr. Serial Ga-67 citrate imaging in children with neoplastic disease: concise communication 9—100718
Yang, S.N. Charge-dependent three-body force with N* (1236) in the intermediate states 9—67677
Yang, T.F., Lee, A.Y., Ruck, G.W., Lange, W.J. Compact poloidal divertor reference design for TNS 9—71960
Yang, T.Y. *see* Guruswamy, P. 9—72845
Yang, V.V., Stearner, S.P., Ainsworth, E.J. Late ultrastructural changes in the mouse coronary arteries and aorta after fission neutron or ^{60}Co γ irradiation 9—57725
Yang, W.H. A practical method for limit torsion problems 9—72820
Yang, Y.-T. Variation of photovoltaic effect in vertical n/p-junction solar cells 9—100522
Yang Ben-you, Shi Guang-cheng Main characteristics of the annular motion and the free wobble of the Earth pole 9—96732
Yang Chen Ning *see* Chen Ning Yang
Yang Chia-Hsiang *see* Chia-Hsiang Yang
Yang Chung Ching *see* Chung Ching Yang
Yang Da-yu *see* Chen Xi-cheng 9—80731
Yang Fu-Jia, Tang Jia-yong On the decay law of cascade processes 9—58206
Yang Guo-Zheng *see* Gan Zi-Zhao 9—50094
Yang Kuang-chi *see* Chou Ming-yu 9—84415
Yang Sheng-tien *see* Tsao Chih-yuan 9—72834
Yang Shikun, Xie Zhiming Determination of molecular weight of poly(ethylene terephthalate). I. Discussion of the broad of molecular weight distribution by GPC 9—55009
Yang Sung Lee *see* Young Soon Kwak 9—91353
Yang Tsin-yuan The relation between single-bond length and polarization 9—89806
Yang Wei-Jei *see* Wei-Jei Yang
Yang Wei-sheng, Chang Ren-ji Investigation of the lower resistance meridian. I. Method of investigation 9—79716
Yang Wei-sheng *see* Chang Ren-ji 9—79717
Yang Wen-Cai Theorem of equivalent between the two-dimensional and three-dimensional potential fields in the frequency domain 9—88478
Yang Wen-Jei *see* Wen-Jei Yang
Yang Wen-Jei *see* Wen-Jei Yang
Yang Yong-Shun *see* Ming Nai-Ben 9—90578
Yang Zhang-jun *see* Han Kai 9—64269
Yang Zhong-Ruo *see* Lu Xue-Shan 9—51048
Yang-Guo Li *see* Li Yang-Guo
Yangui, B. *see* Jouanin, C. 9—55621
Yaniger, S.I. *see* Hyman, A.S. 9—52041
Yanik, A.A. *see* Vagin, S.P. 9—89888
Yanishlieva, N.Y., Popov, A.D., Marinova, E.M. A modified iodometric method for determining peroxide concentration in small lipid samples 9—52799
Yanitskiy, V.Ye. *see* Belotserkovskiy, O.M. 9—98753
Yaniv, A. *see* Kohn, W. 9—88834
Yaniv, O. *see* Zemel, A. 9—99639
Yaniv, Z. Conductivity effects in amorphous chalcogenide films 9—69615
Yaniv, Z., Sanderichin, A. VCNR type characteristic in thin film amorphous Te-Ge-As-Si films 9—69614
Yanke, V.G. *see* Dorman, L.I. 9—80140
Yankevich, Ch. Derivation of the one-parameter class of post-Newtonian equations of motion 9—71301
Yankielowicz, S. *see* Horn, D. 9—85233, 9—89065
Yankov, V.I. *see* Pervadchuk, V.P. 9—77188
Yankovskaya, L.B. *see* Gaievskii, A.S. 9—61433
Yankovskii, A.A. *see* Ageev, V.A. 9—94817
Yankovskii, V.M. *see* Belyi, I.M. 9—73225
Yannas, I.V. *see* Markenscoff, X. 9—74705
Yannitell, D.W. *see* Gipson, G.S. 9—75658
Yannopoulos, L.N. A method for the uniform chemical vapor deposition of tin-doped indium sesquioxide films on cylindrical substrates 9—52120
Yano, A. *see* Byers, N. 9—63467
Yano, H., Nakamura, T. Method of evaluation for the performance of measuring instrument. Study on the case of micrometer 9—97347
Yano, H. *see* Kim, Y.-C. 9—91990
Yano, K. *see* Mizutani, Y. 9—72957
Yano, K. *see* Suck Hee Be 9—67425
Yano, M., Nishi, H., Takusagawa, M. Theoretical and experimental study of threshold characteristics in InGaAsP/InP DH lasers 9—81430
Yano, M. *see* Seki, K. 9—98365
Yano, S., Morozumi, S., Koda, S. Internal nitriding of Mo-Ti alloys 9—79157
Yano, S., Terashima, K., Watanabe, Y., Aoki, K. Dielectric relaxations and intermolecular interaction in several binary nematic mixtures of p-methoxybenzylidene—p'-n-butylaniline and non-mesogenic compound 9—91350
Yano, S. *see* Yip, H. 9—82045
Yano, T. *see* Higashi, A. 9—57831, 9—92443
Yano, T. *see* Okabe, N. 9—61703
Yanovitskii, E.G. Anisotropic scattering in an inhomogeneous atmosphere. II. The radiation field in deep layers of a semiinfinite medium 9—58325
Yanovitskii, E.G. Anisotropic light scattering in an inhomogeneous atmosphere. The case of small true absorption 9—62742
Yanovskaya, N.K. *see* Budtov, V.P. 9—62764
Yanovskaya, T.B. *see* Kondorskaya, N.V. 9—84170
Yanovskii, L.S. *see* Ermakov, A.L. 9—64645
Yanovskii, V.K. *see* Voronkova, V.I. 9—55727
Yanovskii, Yu.G. *see* Vinogradov, G.V. 9—50690
Yanson, I.K., Kulik, I.O. Point-contact spectroscopy of phonons in metals 9—65152
Yanson, I.K. *see* Akimenko, A.I. 9—69582
Yanson, I.K. *see* Balkashin, O.P. 9—56416
Yanson, I.K. *see* Lysykh, A.A. 9—95108
Yanson, I.K. *see* Verkin, B.I. 9—60457
Yanson, Yu.O. *see* Zelin, V.I. 9—86350
Yanukenas, V.I. *see* Uzberg, L.V. 9—82594
Yanus, J. *see* Froix, M. 9—82321
Yanushkevich, V.A. *see* Ivanov, L.I. 9—55825
Yanutsh, D.A., Mel'kanovich, A.F. Synthesis of an aerophotographic system 9—58836
Yao, C.S. *see* Ochs, H.T., III 9—58030
Yao, I.W. *see* Tsai, C.S. 9—89864
Yao, S.J. *see* Wolfson, S.K., Jr. 9—74456
Yao, S.K. Theoretical model of thin-film deposition profile with shadow effect 9—82473
Yao, T., Makita, Y., Maekawa, S. Molecular beam epitaxial growth of low-resistivity ZnSe films 9—100059
Yao Chang-chun *see* Chen Gan-sheng 9—74229
Yao Chong-guo Present status and development of electron linear accelerators 9—54625
Yao Xi-xian The current steps in superconducting weaklinks 9—91187
Yao Xiao-Xin *see* Chen Rong 9—100825
Yao Yeong Der *see* Yeong Der Yao
Yao York-Peng *see* York-Peng Yao
Yao Zhen-Xing Generalized reflection coefficients for a layered medium and asymmetrical source 9—100964
Yao-Cun Hu *see* Hu Yao-Cun
Yao-hsiang Wu *see* Wu Yao-hsiang
Yao-hua Zheng *see* Zheng Yao-hua
Yaouanc, A.le *see* le Yaouanc, A.
Yap, C.T., Saw, E.L. On the deformation parameter of ^{66}Ga 9—75923
Yappa, Yu.A. *see* Stepanov, V.E. 9—93024
Yaralov, V.Ya. *see* Agan'yants, A.O. 9—69170
Yarashyunas, K. *see* Vaitkus, Yu. 9—55091, 9—72685
Yarba, V.A. *see* Balbekov, V.I. 9—63829
Yarba, V.A. *see* Barinov, N.U. 9—54356
Yarba, V.A. *see* Bel'kov, A.A. 9—71763
Yarberry, V.R., Fritz, I.J. Automated system for electrical field-polarization studies in ferroelectrics 9—67268
Yarbrough, J.W., Jr., Meentemeyer, V. Seasonal and regional variation in the correlation of thunderstorm days with tornado frequency 9—79957
Yardley, B.W.D. *see* Gray, J.R. 9—53348
Yardley, J.T. *see* Betteridge, D.R. 9—57258
Yarema, R.J. Subharmonic ripple reduction in SCR-type magnet power supplies 9—68094
Yarema, S.Ya., Ostash, O.P. On the fracture toughness of materials under cyclic loading 9—52344
Yaremko, A.M. *see* Kucherov, A.P. 9—51968
Yaremko, A.M. *see* Lisitsa, M.P. 9—61386, 9—69436
Yarger, H.L., Robertson, R.R., Wentland, R.L. Diurnal drift removal from aeromagnetic data using least squares 9—53529
Yargin, V.S. Peculiarities in thermal conductivity of alkali metals in gas phase. Relationship between thermal conductivity and viscosity 9—72982
Yariv, A. Guided-wave optics 9—64337
Yariv, A., Auyeung, J. Transient four-wave mixing and real time holography in atomic systems 9—55171
Yariv, A. *see* AuYeung, J. 9—81439
Yariv, A. *see* Ivakin, E.V. 9—81476
Yariv, A. *see* Ury, I. 9—64242
Yariv, S., Mendelovici, E., Villalba, R., Cohen, M. Transformation of goethite to maghaemite in CsI disks 9—69259
Yarker, S. *see* Brandelik, R. 9—93441
Yarkho, S.A. Measurement of steam content by the diffusion indicator method 9—86538
Yarlykov, B.V. *see* Goldberg, V.M. 9—50691
Yarmchuk, E.J., Glaberson, W.I. Thermorotation effect in superfluid ^4He 9—55966
Yarmchuk, E.J., Glaberson, W.I. Counterflow in rotating superfluid helium 9—86946
Yarmchuk, E.J., Gordon, M.J.V., Packard, R.E. Observation of stationary vortex arrays in rotating superfluid helium [TV observation technique] 9—77851
Yarmitskii, A.G. A class of axisymmetric unsteady flows of viscous incompressible fluids 9—68724
Yarmolyuk, Ya.P., Aksel'rud, L.G., Gladyshevskii, E.I. Crystal structures of UCo_5Si_3 and $ZrCo_5Si_3$ 9—60342
Yarmukhanedov, Yu.N. *see* Baturov, L.N. 9—65704
Yarnell, C.F. Paste mixing and curing of tetrabasic lead sulfate plates for the lead-acid battery 9—61968
Yarnell, C.F., Weeks, M.C. The oxidation of tetrabasic lead sulfate lead dioxide in the positive plate of the lead-acid battery 9—70336
Yarosh, M.M. *see* Jones, W.H. 9—57385, 9—66403
Yarosh, V.E. *see* Baldin, A.M. 9—72125
Yaroshenko, O.I. *see* Rudik, K.I. 9—85990
Yaroshenko, V.P. *see* Gnesin, G.G. 9—95987
Yaroshetskii, I.D. *see* Abdullaev, G.B. 9—73580
Yaroshetskii, I.D. *see* Agafonov, V.G. 9—69414
Yaroshetskii, I.D. *see* Dvornikov, D.P. 9—51930, 9—61334
Yarovaya, R.G. *see* Miloslavskii, V.K. 9—99906
Yarovets, V.I. *see* Bodak, O.I. 9—52158
Yarovoi, V.G. *see* Akimenko, A.I. 9—83163
Yartsev, K.K., Mazur, V.I., Ivanchenko, V.G. Improvement of low-carbon hot-rolled sheet steel drawability 9—78996
Yartsev, Yu.V. *see* Asinovskii, E.I. 9—89884
Yarusevich, L.I. *see* Naida, Yu.I. 9—100073
Yarwood, J. Education in vacuum science and technology in undergraduate and post-experience courses 9—62954
Yarwood, J. *see* de Chernatony, L. 9—71476
Yarwood, J. *see* Evans, M.W. 9—99876
Yarwood, J. *see* Woodcock, P.G. 9—50979
Yaryna, V.P. *see* Grigor'ev, E.I. 9—97736
Yasa, Z., Amer, N.M., Rosen, H., Hansen, A.D.A., Novakov, T. Photoacoustic investigation of urban aerosol particles 9—96493
Yashchishin, I.N., Vakhula, Ya.I., Skripets, M.M., Gorbai, Z.V. Homogeneity and lamination of sheet glass 9—61554
Yashchishin, I.N. *see* Shevchenko, V.V. 9—61812
Yashima, H. *see* Takase, A. 9—91236
Yashima, S., Saito, F. Size effects of particle compressive strength of brittle solids 9—51196
Yashin, G.Yu. *see* Bottger, H. 9—95379
Yashin, V.E. *see* Mak, A.M. 9—89971
Yashin, V.E. *see* Papernyi, S.B. 9—59837
Yashiro, T. *see* Shiono, N. 9—78193
Yashiro, T. *see* Takeshima, M. 9—55234, 9—59822

Yashiro, Y. *see* Uyeda, S. 9—66652
Yashkir, Yu.N. *see* Kovalyuk, Z.D. 9—89970
Yashnikov, V.P. *see* Gnesin, B.A. 9—70076
Yashnov, V.A. *see* Kotik, D.S. 9—66873
Yashuk, V.N. *see* Faid'sh, A.N. 9—56830
Yasinskii, K.K. *see* Polyakov, D.A. 9—87671
Yas'kov, A.D. *see* Geidur, S.A. 9—69807, 9—86811
Yaskovets, I.I. *see* Antonenko, R.S. 9—51613
Yasnikov, G.P. *see* Shumakov, V.I. 9—53079
Yasnogorodsky, A.M. *see* Nemets, O.F. 9—59047
Yasnopol'skiy, N.L. *see* Likhtenshteyn, V.Kh. 9—91554
Yasnov, G.I. *see* Grishanov, B.I. 9—74067
Yasov, V.G. *see* Myslyuk, M.A. 9—94680
Yassievich, I.N. *see* Abakumov, V.N. 9—82602
Yasskin, P.B. *see* Ramaswamy, S. 9—71337
Yastrebkov, A.A., Repii, V.A. Growth of multicrystals of high-melting metals 9—69978
Yastrebkov, A.A. *see* Yakutovich, M.V. 9—79034
Yasu, M. *see* Mitachi, S. 9—59853
Yasuda, A. *see* Kawahata, K. 9—50891
Yasuda, A. *see* Oikawa, H. 9—91749
Yasuda, K., Ozeki, M., Okamoto, S., Mukunoki, J. Trickle charge characteristics of cylindrical sealed nickel-cadmium rechargeable battery 'PANANICA' H type 9—83588
Yasuda, K., Shirafuji, J. Stimulated spin-flip Raman scattering in $Pb_{0.88}Sn_{0.12}Te$ single crystal 9—72621
Yasuda, K. *see* Yamamoto, T. 9—92953
Yasuda, M., Hine, F., Imaoka, K., Okano, T. Corrosion of iron tubes in air-saturated solution under turbulent flow conditions 9—61783
Yasuda, M. *see* Tanaka, K. 9—65959
Yasuda, N., Fujimoto, S., Asano, T., Shimizu, H., Yoshino, K., Inuishi, Y. Pressure effect on the dielectric properties of TlH_2PO_4 and TlD_2PO_4 9—99832
Yasuda, N., Fujimoto, S., Minamii, Y., Yoshino, K., Inuishi, Y. Switching behaviour in the pressure-induced antiferroelectric phase of CsH_2PO_4 9—78634
Yasuda, N., Fujimoto, S., Okamoto, M., Yoshino, K., Inuishi, Y. Antiferroelectricity of CsD_2PO_4 under hydrostatic pressure 9—91384
Yasuda, N., Sumi, K., Shimizu, H., Fukimoto, S., Inuishi, Y. Pressure and temperature dependence of dielectric properties of squaric acid $H_2C_4O_4$ 9—99815
Yasuda, N. *see* Fujimoto, S. 9—65787
Yasuda, N. *see* Okuyama, F. 9—95302
Yasuda, N. *see* Shimizu, H. 9—51917
Yasuda, N. *see* Shimzu, H. 9—65186
Yasuda, T. *see* Matsuda, A. 9—56054
Yasuda, T. *see* Moriizumi, T. 9—50447
Yasuda, T. *see* Suemune, I. 9—81602
Yasue, M. Quark-lepton correspondence and $SU(2)\times U(1)\times U(1)$ gauge model 9—54296
Yasue, S. *see* Toi, K. 9—86565
Yasuhara, A. *see* Fujii, T. 9—79424
Yasuhara, M. *see* Ogawa, T. 9—79919
Yasuharu Suematsu *see* Tehang-hee Hong 9—68411
Yasui, M., Shimizu, M. A numerical calculation of the orbital magnetic susceptibility for BCC 3d series transition metals 9—82764
Yasui, S., Naka, K., Davis, W. Spatio-temporal receptive field measurement of retinal neurons by random pattern stimulation and cross correlation 9—57649
Yasukawa, H., Ui, M. On the free oscillation of liquids through a tube with abrupt changes in flow sections 9—77149
Yasukochi, K. *see* Kobayahsi, H. 9—72784
Yasukochi, K. *see* Kubota, Y. 9—65599
Yasukochi, K. *see* Matsubara, Y. 9—58744
Yasumoto, Y. Generation and application of shock wave in solid 9—68475
Yasunaka, T. Grain-boundary precipitation and fracture behavior in a 21Cr-14Mn steel 9—100149
Yasunishi, A. *see* Sada, E. 9—64741
Yasuno, M. *see* Matsui, T. 9—71813
Yasuoka, H. NMR investigations of the microscopic magnetic properties of CoS_2 9—91306
Yasuoka, H. *see* Hayano, R.S. 9—56671
Yasuoka, H. *see* Inoue, N. 9—65747
Yasuoka, H. *see* Kitaoka, Y. 9—56625
Yasuoka, H. *see* Ueda, Y. 9—91301
Yasuoka, H. *see* Uemura, Y.J. 9—56669
Yasuoka, M. *see* Nishikawa, O. 9—99425
Yasuoka, Y., Burlamacchi, P., Wang, S.-Y., Gustafson, T.K. Characteristics of a CW water vapor laser at 118 and 28 μm 9—81411
Yasuoka, Y., Heiblum, M., Gustafson, T.K. Coupling to an 'edge metal-oxide-metal' junction via an evaporated long antenna 9—87161
Yasuoka, Y., Miyata, T. Film thickness dependence of mobility in deposited tellurium films 9—87171
Yasuoka, Y., Tamura, M., Miyazaki, T. Region extraction and classification of multi-spectral images by entropy index 9—58130
Yasuoka, Y. *see* Iikura, Y. 9—57501
Yasutis, V.V. *see* Paulavichyus, A.B. 9—65342
Yasutis, V.V. *see* Tolutis, V.B. 9—56335
Yasuura, K. *see* Tomita, M. 9—55057
Yater, J.C. Rebuttal to 'Comments on "Power conversion of energy fluctuations"' 9—100536
Yates, A.C. High-energy higher-order Born approximation: theoretical development 9—72417
Yates, B., McCalla, B.A., Phillips, L.N., Kingston-Lee, D.M., Rogers, K.F. The thermal expansion of carbon fibre-reinforced plastics. V. The influence of matrix curing characteristics 9—55909
Yates, B. *see* Harwood, C. 9—55908
Yates, B. *see* Pilling, M.W. 9—65264
Yates, C.H. *see* Strohbehn, J.W. 9—57758
Yates, D.J.C. On neutron bottles 9—85575
Yates, F.F. *see* Heinsheimer, T.F. 9—101091
Yates, G.J., Jones, R.C. The excitations of ferromagnets with liquid-like disorder 9—61084
Yates, J.H., Pitzer, R.M. Molecular and electronic structures of transition metal trifluorides 9—63900
Yates, J.T., Jr., Thiel, P.A., Weinberg, W.H. The catalytic reaction between adsorbed oxygen and hydrogen on Rh (111) 9—52773
Yates, J.T., Jr., Thiel, P.A., Weinberg, W.H. Catalytic reaction between adsorbed oxygen and hydrogen on Rh (111) 9—83503
Yates, J.T., Jr., Thiel, P.A., Weinberg, W.H. The chemisorption of hydrogen on Rh (111) 9—86989
Yates, J.T., Jr., Zinck, J.J., Sheard, S., Weinberg, W.H. Search for vibrational activation in the chemisorption of methane 9—57292
Yates, J.T., Jr. *see* Thiel, P.A. 9—51428, 9—77900, 9—77917, 9—99412
Yates, K.R. *see* Pobereskin, M. 9—49819
Yates, S.W., Filo, A.J., Cheng, C.Y., Coope, D.F. Elemental analysis by gamma-ray detection following inelastic neutron scattering 9—52837
Yates, S.W. *see* Ahmad, I. 9—89224
Yates-Williams, M.A. *see* Bowles, T. 9—93663
Yates-Williams, M.A. *see* Clark, D.A. 9—71995
Yates-Williams, M.A. *see* Dam, S.H. 9—85536
Yates-Williams, M.A. *see* Frank, J.S. 9—85329
Yato, F. *see* Kuramatsu, A. 9—59884
Yatomi, C. *see* Gurtin, M.E. 9—55936
Yatselenko, L.I. Plane forced asymmetric capillary-gravitational waves of final amplitude on the surface of a liquid with constant depth 9—86448
Yatsenko, A.A. *see* Seminoshenko, V.P. 9—87248
Yatsenko, A.A. *see* Seminozhenko, V.P. 9—87504
Yatsenko, A.I. *see* Bunin, K.P. 9—52224
Yatsenko, A.S. *see* Beterov, I.M. 9—54876
Yatsenko, A.V. *see* Benderskii, V.A. 9—65904
Yatsenko, L.P. *see* Alekseev, V.A. 9—59783
Yatsenko, L.P. *see* Gubin, M.A. 9—89934
Yatsenko, M.I. *see* Beletskii, V.M. 9—100262
Yatsenko, O.B. *see* Glushkov, E.A. 9—51599
Yatsenko, S.P., Semenov, B.G., Chuntnov, K.A. Phase diagram of europium-gallium 9—52163
Yatsenko, S.P., Semyannikov, A.A., Semenov, B.G., Chuntonov, K.A. Phase diagrams of rare earth metals with gallium 9—78932
Yatsenko, V.A. *see* Bokov, V.A. 9—65699
Yatsenko, V.K. *see* Zaitsev, G.Z. 9—52347
Yatsishin, V.P. *see* Koval'skii, P.N. 9—91345
Yatskov, Yu.V. *see* Dunskii, V.F. 9—90847
Yatsu, K., Miyoshi, S., Tamai, H., Shida, K., Ishii, K., Itakura, A. Experimental observation on enhancement of the ambipolar potential by injection of neutral beams in a tandem mirror 9—94806
Yatsui, K., Yatsuzuka, M., Fujii, T., Yokoyama, M., Masuzaki, M., Tsuzuki, T., Narihara, K., Mohri, A. Plasma heating by a modulated relativistic electron beam-plasma interaction 9—98929
Yatsuya, S. *see* Yamauchi, K. 9—56919
Yatsuzuka, M. *see* Yatsui, K. 9—98929
Yatsyshin, I.G. *see* Krasnov, L.V. 9—93627
Yau, A.W., Pritchard, H.O. Toward a unified master-equation theory of thermal decomposition reactions. Analytic solution for diatomic dissociation 9—74368
Yau, A.W. *see* Baille, P. 9—86001
Yau, K.W. *see* Lamb, T.D. 9—79529
Yau, K.-W., Lamb, T.D., Matthews, G., Baylor, D.A. Current fluctuations across single rod outer segments 9—79530
Yau, K.-W., Matthews, G., Baylor, D.A. Thermal activation of the visual transduction mechanism in retinal rods 9—74651
Yau Mann-may *see* Mann-may Yau
Yaushev, R.A. *see* Gortyshov, Yu.F. 9—82015
Yavin, A.I. *see* Finkel, G. 9—67702
Yavoiskii, A.V. *see* Tustanovskii, V.T. 9—87898
Yavoiskii, V.I. *see* Tustanovskii, V.T. 9—87898
Yavor, I.P. *see* Mishin, D.I. 9—82014
Yavor, I.P. *see* Serov, Yu.L. 9—63303
Yavorskaya, I.M., Astaf'eva, N.M., Vvedenskaya, N.D. Stability and nonuniqueness of liquid flow in rotating spherical layers 9—77135
Yavorskii, B.I. *see* Buchinskii, Ya.V. 9—97415
Yavroskaya, I.M. *see* Belyaev, Yu.N. 9—81969
Yavuz, D., Geckinli, N.C. A new algorithm for pitch extraction and voiced/unvoiced segmentation of speech using only zero crossing interval sequences (ZCIS) and voiced phoneme recognition with ZCIS 9—59878
Yaws, C.L., Shah, P.N., Patel, P.M., Hsu, G., Lutwack, R. Physical and thermodynamic properties of silicon tetrachloride 9—65218
Yazaki, K. *see* Arima, A. 9—85549
Yazaki, S. *see* Igi, K. 9—58947
Yazawa, K. *see* Higashi, A. 9—57831, 9—92443
Yazbeck, J. *see* Rebbah, A. 9—99138
Yazgan, B., Topuz, E. Laser beam scintillation in the turbulent atmosphere comparison of theory and experiments 9—80018
Yazkulyev, A., Trofimova, A.A., Galkina, N.S., Kholeva, M. Investigation of the spectral characteristics of metallized polymer films for making solar concentrators 9—96422
Yazov, A.N. *see* Rusanov, A.V. 9—67363
Ye Bi-Qing, Ma Zhong-Lin, Ling Jun-Da Mode-volume matching of oscillating modes of laser containing several active elements 9—50325
Ye Geui-mu *see* Zhao Jin Zhao 9—81459
Ye Heng-Qiang On overlapping of electron diffraction patterns from two crystals with a simple orientation relationship 9—50958
Ye Heng-qiang *see* Zou Ben-san 9—90669
Ye Lian-fang *see* Yuan Bao-yin 9—84756
Ye Lin-Cai, Zhou Guang-Yu, Cao Pu-An A quintuple strong motion seismograph 9—62591
Ye Shi-Hui, Wang Zhen-Yi, Jing Jie-Hai Magneto-sensitive lines in the solar spectrum 9—80289
Ye Tian *see* Tian Ye
Yeager, C.L. *see* Gevins, A.S. 9—100591
Yeager, D.L., Jorgensen, P. A multiconfigurational time-dependent Hartree-Fock approach 9—85889
Yeager, D.L., Jorgensen, P. Convergency studies of second and approximate second order multiconfigurational Hartree-Fock procedures 9—93907
Yearian, M.R. *see* Hodge, L.A. 9—79474
Yeats, R., Chiao, S.H. Long-wavelength InGaAsP avalanche photodiodes 9—67381
Yee, B.G.W. *see* Couchman, J.C. 9—91906
Yee, D. *see* Albert, R. 9—56965
Yee, J.H. *see* Leong, J.Y. 9—99431
Yee, J.H. *see* Viswanathan, K.S. 9—58881
Yee, J.P., Mel, H.C. Cell-membrane and rheological mechanisms: dynamic osmotic hemolysis of human erythrocytes and repair of ghosts, as studied by resistive pulse spectroscopy 9—62208
Yee, K.C. *see* Eckhardt, H. 9—82991
Yee, S.S. *see* Campbell, S.D. 9—57823
Yee, S.S. *see* Wang, T.T. 9—87466
Yee, T.K., Fan, B., Gustafson, T.K. Simmer-enhanced flashlamp-pumped dye laser 9—64240
Yee-chuang Hsu *see* Hsu Yee-chuang
Yee-Tak Leung An accurate method of dynamic substructuring with simplified computation 9—81716
Yefimov, A.I. *see* Vasilkova, I.V. 9—96016
Yefimov, M.L. *see* Lyu, B.N. 9—57678
Yefimov, V.B., Mezhov-Delgin, L.P. Studies of diode properties in solid helium 9—56021
Yegnanarayana, B. *see* Ananthapadmanabha, T.V. 9—86301
Yegorikhin, V.D. *see* Bubnov, V.A. 9—53355
Yegorov, V.V. *see* Golubkov, G.V. 9—98858
Yeh, C., Casperson, L., Brown, W.P. Scalar-wave approach for single-mode inhomogeneous fiber problems 9—64312
Yeh, C., Ha, K., Dong, S.B., Brown, W.P. Single-mode optical waveguides 9—76804
Yeh, F. *see* Wasnich, R. 9—83909
Yeh, G.S.Y. *see* Faleder, J.R. 9—73106
Yeh, H.L., Maddin, R. Crystallization of amorphous Fe-P-C alloys 9—100112
Yeh, H.T. *see* Uckan, N.A. 9—76120
Yeh, H.-Y. *see* Wong, M.K.F. 9—58569
Yeh, J.L. *see* Lee, B.W. 9—82661
Yeh, J.L. *see* Meyer, R.J. 9—77462
Yeh, J.-L. *see* Duke, C.B. 9—86967
Yeh, K.C., Liu, C.H., Hearn, A.L. Propagation of gravity wave spectra in the thermosphere 9—66848
Yeh, K.C., Liu, C.H., Soicher, H., Bonelli, E. Ionospheric bubbles observed by the Faraday rotation method at Natal, Brazil 9—88524
Yeh, K.C. *see* Myers, W.J. 9—80077
Yeh, L.-S.Ray *see* Ray Yeh, L.-S.
Yeh, P. Transmission spectrum of a Solc filter 9—55052
Yeh, P. Electromagnetic propagation in birefringent layered media 9—76582
Yeh, S., Berman, P.R. Theory of collisionally aided radiative excitation 9—54805
Yeh, S., Berman, P.R. Theory of collisionally aided radiative excitation in three-level systems: new interference effect 9—98022
Yeh Da-nian, Li Da-zhou, Dong Gung-fu, Jiu Xiu-wen 3T-phengite and C-type eclogite in Xingyang metamorphic belt and their tectonic significance 9—84264
Yeh Danean *see* Zheng Xuezheng 9—77728
Yeh En-Lin *see* En-Lin Yeh
Yeh Pen-Shu *see* Pen-Shu Yeh
Yeh Yin *see* Yin Yeh

Yei, W. *see* Hadley, J.H., Jr. 9—65952
Yei Wei-Ming *see* Wei-Ming Yei
Yekta, A., Aikawa, M., Turro, N.J. Photoluminescence methods for evaluation of solubilization parameters and dynamics of micellar aggregates. Limiting cases which allow estimation of partition coefficients, aggregation numbers, entrance and exit rates 9—79297
Yekta, A. *see* Turro, N.J. 9—83513
Yekutieli, G. *see* Eisenberg, Y. 9—54367, 9—75804
Yekutieli, G. *see* Kritchman, E.M. 9—88003, 9—94315
Yekutieli, G. *see* Lanxner, M. 9—52952
Yelegdi, V.L. Can we still strongly believe in weak magnetism? 9—49445
Yeleonsky, V.M., Kirova, N.N., Kulagin, N.E. Domain wall motion in an external magnetic field 9—51811
Yelkin, Yu.V. *see* Alkhazov, G.D. 9—75957
Yelnik, J.-B., Voslamber, D. Effect of elastic and inelastic collisions of the redistribution of resonance radiation 9—62734
Yelon, A. Nonlinear phenomena in ferromagnetic transmission resonance 9—61232
Yelon, A. *see* Crine, J.-P. 9—87162
Yelon, A. *see* Sapieha, S. 9—87388
Yelon, W. *see* James, W.J. 9—78328
Yelon, W.B., Keem, J.E. The elastic constants of V_2O_3 in the insulating phase 9—55844
Yemel'yanenko, S.N., Kuznetsov, S.N., Stolpovskiy, V.G. Outer radiation belt during a strong magnetic storm 9—62678
Yen, C.F., Coble, R.L. Defect centers in gamma-irradiated single-crystal Al_2O_3 9—65117
Yen, H.C. *see* Chen, J.C. 9—80457
Yen, H.W. *see* Ramer, O.G. 9—50330
Yen, J.T. *see* Hsu, C.T. 9—83555
Yen, K.H., Lau, K.F., Kagiwada, R.S. Temperature stable shallow bulk acoustic wave devices 9—55293
Yen, K.H. *see* Lau, K.F. 9—51411
Yen, M.M.K. *see* Chuu, D.S. 9—63593
Yen, N. Analytic expansion technique for ambient-noise directionality determination 9—90088
Yen, P., Stakelon, T.S., Wigen, P.E. Magnetic-surface interactions in thin yttrium iron garnet films 9—78532
Yen, R. *see* Ansaldo, E.J. 9—75898
Yen, R. *see* Liu, P. 9—59734
Yen, R. *see* Liu, P.L. 9—87529
Yen, R.T. Effect of blood rheology on hematocrit distribution in pulmonary sheet flow 9—79572
Yen, S.P.S. *see* Khanna, S.K. 9—56206
Yen, W.M. *see* Quimby, R.S. 9—89007
Yen, W.M. *see* Wilson, B.A. 9—73994
Yen Chi-min, Wang Tsou-hsin A graph theory for molecules of axial symmetry. II. With atoms on the symmetry axis 9—49964
Yen Ruey-Hor *see* Ruey-Hor Yen
Yen-Chu Wang A simple analytical model for electron transport in GaAs 9—91039
Yen-chung Liu, Chien-jung Lin, Jer-shen Maa Backscattering analysis of the layer structure of titanium silicides 9—69377
Yener, Y. *see* Devaux, C. 9—92592
Yeni-Komshian, G.H. *see* Weiss, M.S. 9—72766
Yennie, D.R. *see* Calva-Tellez, E. 9—89299
Yeo, Y.K., Ehret, J.E., Pedrotti, F.L., Park, Y.S., Theis, W.M. Amphoteric behavior of Ge implants in GaAs 9—99542
Yeo, Y.K., Park, Y.S., Yu, P.W. Electrical measurements and optical activation studies in Mg-implanted GaAS 9—86806
Yeo, Y.K. *see* Kim, Q. 9—73193
Yeomans, J.M., Stinchcombe, R.B. A renormalisation group approach for the mixed Ising model 9—56547
Yeong Der Yao, Tsai, J.H. Magnetic phase transition in nickel-rich nickel-copper alloys 9—82781
Yeow, Y.T., Morris, D.H., Brinson, H.F. A correlative study between analysis and experiment on the fracture behavior of graphite/epoxy composites 9—61713
Yeow, Y.T., Morris, D.H., Brinson, H.F. The fracture behavior of graphite/epoxy laminates 9—83294
Yeremenko, G.P. *see* Kutateladze, S.S. 9—76950
Yeremeyev, V.N. *see* Batrakov, G.F. 9—53362
Yergin, P.F. *see* Paras, N. 9—63659
Yerkayev, N.V., Pivovarov, V.G. Model of the interaction of the solar wind with the magnetosphere. Statement of the problem 9—53663
Yermakov, S.S., Reznikov, G.T. The effect of technological factors on the formation of structure and the properties during sintering 9—100088
Yermolayev, I.K., Puzach, V.G., Fadeyev, V.A. Thermogasdynamic interaction between a supersonic jet and an inclined permeable baffle 9—98773
Yerokhin, Yu.Ye. *see* Suponeva, Ye.P. 9—57565
Yersin, H., Hidvegi, I., Gliemann, G., Stock, M. Transition energy tuning from 3.3 to 1.4 eV in the system $M_x[Pt(CN)_4].mH_2O$ 9—61436
Yersin, H. *see* Daniels, W. 9—60506
Yersin, H. *see* Holzapfel, W. 9—51070
Yeshurun, Y., Schlesinger, Y., Havlin, S. Temperature dependence of the electric quadrupole interaction in $PbHfO_3$ 9—51884
Yesipova, N.G. *see* Il'icheva, I.A. 9—92130
Yesipova, N.G. *see* Neifakh, Yu.A. 9—57571
Yesodharan, E.P. *see* Kuriacose, J.C. 9—57437
Yettram, A.L., Vinson, C.A. Orthotropic elastic moduli for left ventricular mechanical behaviour 9—57695
Yeung, C.C., Hersey, J.A. Ordered powder mixing of coarse and fine particulate systems 9—61530
Yeung, C.M. *see* Yount, D.E. 9—81612
Yevdakov, V.P. *see* Kabanov, V.A. 9—92120
Yevdokimov, A.V. *see* Bronshteyn, I.M. 9—91545
Yevenko, V.I., Anisin, A.K. Effect of surface orientation on the characteristics of separated flow 9—98709
Yevstigneyev, V.B., Proskuryakov, I.I., Olovyanishnikova, G.D., Voznyak, V.M. Comparative study of the photopotential and EPR signal formed on photo oxidation of metal-substituted pheophytins 9—53045
Yevstigneyev, V.B. *see* Gudkov, N.D. 9—79447
Yevstigneyev, V.B. *see* Nazarova, I.G. 9—57583
Yevstigneyev, V.B. *see* Shkuropatov, A.Ya. 9—53043
Yevstigneyev, V.B. *see* Suponeva, Ye.P. 9—57565
Yhou Hong Chi *see* Chi Yhou Hong
Yi Chen, E., Dillon, J.F., Jr., Blount, E.I., Van Uitert, L.G. Magnetooptical rotation in a transverse field in $Dy_3Al_5O_{12}$ (DAG) 9—73902
Yi Chen, E. *see* Dillon, J.F., Jr. 9—61347, 9—73796
Yi Ch'en Shang *see* Shang Yi Ch'en
Yi Wang Shih *see* Shih Yi Wang
Yi Wei-hsi *see* Hsia Ke-ting 9—62797
Yi-dong Gu *see* Gu Yi-dong
Yi-fang Dia *see* Dia Yi-fang
Yi-feng Jiang *see* Jiang Yi-feng
Yi-Han Kao Non equilibrium behaviour of superconducting weak links at low voltages 9—56424
Yi-Han Kao Low-voltage dynamic properties of superconducting weak links 9—60982
Yi-jin Shi *see* Shi Yi-jin
yi-ju Wang *see* Wang yi-ju
Yi-Jun Xia *see* Xia Yi-Jun
Yi-Sui Sun *see* Sun Yi-Sui
Yi-Xiang Zhang *see* Zhang Yi-Xiang
Yi-ying Qian *see* Qian Yi-ying
Yi-Yu Kuo *see* Masuda, A. 9—72903
Yi-Yu Kuo *see* Mitsuyasu, H. 9—72904
Yi-zhen He *see* He Yi-zhen
Yi-zhong Zhuo *see* Zhuo Yi-zhong
Yih, S.M., Burkhart, L. State-of-the-art simulation of a U-Pu partitioning column for nuclear fuel reprocessing 9—85734
Yih Tsai Du *see* Du Yih Tsai
Yih-Loong Lai, Rodarte, J.R., Hyatt, R.E. Respiratory mechanics in recumbent dogs anesthetized with thiopental sodium 9—100651
Yii-Der Chuang *see* Shi-Chien Lin 9—76072, 9—76073
Yildiz, A. Spectral forms and renormalization group equations of the Schwinger model 9—63357
Yilmaz, H. Einstein, the exponential metric, and a proposed gravitational Michelson-Morley experiment 9—97289
Yim, M.B., Massey, W.E. ^{3}He atom near surfaces of liquid ^{4}He 9—77853
Yim Moo Bin *see* Moo Bin Yim
Yin, L.I., Trombka, J.I., Seltzer, S.M. A low-energy gamma-ray imaging detector 9—58250
Yin He *see* He Yin
Yin hong *see* Chao Bo-lin 9—80188
Yin Hua-zi *see* Wu Xi-jun 9—100236
Yin Peng-Cheng *see* Zhu Wei 9—49479
Yin Pengcheng Lattice gauge theory 9—63336
Yin Qifeng, Ma Er The stable confinement of fast electrons in regions of meter-band type-I bursts 9—80296
Yin Wan-quan *see* Chen Lian 9—74179
Yin Yeh *see* Walraven, R. 9—71540
Yin Yuan-zhao CW high power recycled CO_2 electric discharge laser 9—98410
Yin-yuan Li *see* Li Yin-yuan
Ying, S.C. *see* Bohnen, K.-P. 9—60900
Ying, S.C. *see* Reinecke, T.L. 9—99484
Ying, S.P. The use of acoustic emission for assessing the integrity of a nuclear reactor pressure vessel 9—83422
Ying An *see* An Ying
Ying Ma Ying *see* Ma Ying Ying
Ying Ying Ma *see* Ma Ying Ying
Ying-Hua Lee, Brosset, C. The slope of Gran's plot: a useful function in the examination of precipitation, the water-soluble part of airborne particles, and lake water 9—79432
Ying-jie Tong *see* Tong Ying-jie
Ying-lie Lis *see* Lis Ying-lie
Ying-lie Liu *see* Liu Ying-lie
Ying-Nan Chiu Two-center magnetic-multipole interaction between atoms, molecules, and nuclei 9—89731
Ying-Nan Chiu, Parker, J. Energetics of 'double' charge transfer and two-to-one charge-transfer adducts 9—82561
Ying-Nan Chiu *see* Metropoulos, A. 9—93971
Ying-Xiang Wu *see* Wu Ying-Xiang
Yingling, C.D. *see* Gevins, A.S. 9—100591
Yinon, J. *see* Zitrin, S. 9—57316
Yinting Li *see* Li Yinting
Yiou, F. *see* Raisbeck, G.M. 9—57338, 9—66714, 9—71819
Yip, G.Lam *see* Lam Yip, G.
Yip, H., Hishihara, H., Yano, S. One-dimensional transport calculation of energy- and space-distribution of neutral particles in a high temperature plasma 9—82045
Yip, R.W. *see* Grzybowski, J.M. 9—99921
Yip, R.W. *see* Sharma, D.K. 9—86223
Yip, S. *see* Berney, C.V. 9—51214
Yip, S. *see* Chen, S.-H. 9—50144
Yip, S. *see* Harrison, R.J. 9—77610
Yip, S. *see* Johnson, D.H. 9—86856
Yip, S. *see* Ranganathan, S. 9—99044
Yli-Kauppila, J. *see* Dlubek, G. 9—99972
Yli-Kauppila, J. *see* Hautojarvi, P. 9—55785
Yli-Kauppila, J. *see* Vehanen, A. 9—56882
Yndurain, F. *see* Velasco, V.R. 9—86974
Yndurain, F. *see* Verges, J.A. 9—52081
Yndurain, F.J. *see* Gonzales-Arroyo, A. 9—71688
Yntema, J.L. *see* Fortune, H.T. 9—93655
Yo Han Chang *see* Chang Hyun Chung 9—76060
Yocum, M. *see* Miller, D. 9—49353
Yoda, H. Japan achieves new synthetic quartz crystal technology 9—91575
Yoda, O., Kuriyama, I. Crystallite size distribution and the lattice distortions in high γ-irradiated linear polyethylene 9—69157
Yoda, S., Yanagi, T. Behaviour of hydrogen in liquid sodium 9—49649
Yoder, C.F. How tidal heating in Io drives the Galilean orbital resonance locks 9—75145
Yoder, G.R., Cooley, L.A., Crooker, T.W. Quantitative analysis of microstructural effects on fatigue crack growth in Widmanstatten Ti-6Al-4V and Ti-8Al-1Mo-1V 9—79071
Yoder, M.J. *see* Kellen, P.F. 9—76736
Yodh, G.B. A summary of expected and observed rates for high energy interactions above 10 TeV 9—62706
Yodh, G.B. *see* Ellsworth, R.W. 9—58990
Yodh, G.B. *see* Goodman, J.A. 9—62697, 9—66897, 9—75065
Yodh, G.B. *see* Macfall, J.R. 9—49549, 9—62698
Yodlowski, E.H. *see* Mortimer, J.T. 9—96686
Yoffa, E.J., Rodrigues, W.A., Jr., Adler, D. Electronic correlations in narrow-band solids 9—56112
Yoffe, A.D. *see* Apsley, N. 9—65125
Yoffe, A.D. *see* Friend, R.H. 9—95410
Yoffe, J.A. Magnetic susceptibilities using point-charge models 9—54761
Yoganathan, A.P., Corcoran, W.H., Harrison, E.C. In vitro velocity measurements in the vicinity of aortic prostheses 9—74706
Yoganathan, A.P., Corcoran, W.H., Harrison, E.C. Pressure drops across prosthetic aortic heart valves under steady and pulsatile flow—in vitro measurements 9—74707
Yoganathan, A.P., Corcoran, W.H., Harrison, E.C. Wall shear stress measurements in the near vicinity of prosthetic aortic heart valves 9—83829
Yoganathan, A.P., Reamer, H.H., Corcoran, W.H., Harrison, E.C. Laser-Doppler anemometer to study velocity fields in the vicinity of prosthetic heart valves 9—57814
Yogev, A., Benmair, R.M.J. Photochemistry in the electronic ground state. Isotope separation by infrared multiphoton isomerization of complex molecules 9—79264
Yoh, J.K. *see* Bechis, D.J. 9—63401
Yoh, J.K. *see* Jostlein, H. 9—89310
Yohe, W.C., Ruoff, A.L. Ultrafine-grain tantalum carbide by high pressure hot pressing 9—70024
Yoko, T. *see* Ejima, T. 9—77662
Yokobori, T., Ishii, H., Koyama, S. The effect of ferrite grain size on the cyclic stress-strain response of low carbon steel 9—100203
Yokogawa, K., Fukuyama, S., Kudo, K. Observation of wustite ($Fe_{1-x}O$) whiskers 9—77972
Yokoi, H. *see* Itoh, K. 9—92309
Yokoi, K., Neo, S., Nomoto, K. Electron capture in nuclear statistical equilibrium 9—92663
Yokoi, K. *see* Filho, J.B. 9—58989, 9—58992, 9—63561
Yokokawa, H., Takahashi, Y. Analysis of heat capacity of platinum: electron-phonon effects and anharmonic contribution 9—90795
Yokokawa, H., Takahashi, Y. Calorimetric study on the electronic structure in UP-US system 9—91240
Yokokawa, H., Takahashi, Y. Laser-flash calorimetry. II. Heat capacity of platinum from 80 to 1000K and its revised thermodynamic functions 9—95179
Yokokura, T., Saito, M. Viscosity of the upper mantle as non-Newtonian fluid 9—79770
Yokomi, M. *see* Kiguchi, T. 9—97859
Yokomi, M. *see* Takeda, R. 9—59151
Yokono, S., Imanaga, S., Hoshina, T. Raman spectra for Eu doped Ln_2O_2S phosphors 9—78669
Yokoo, H., Oshima, T. Is bacteriophage ϕX174 DNA a message from an extraterrestrial intelligence? 9—53738
Yokosawa, A. *see* Beretvas, A. 9—89179

Yokosawa, A. *see* Jonckheere, A. 9—63527
Yokota, I. *see* Hayashi, H. 9—99368
Yokota, I. *see* Sato, K. 9—73539
Yokota, J. *see* Kichimi, H. 9—89207
Yokota, K., Yoshimatsu, Y., Katayama, S., Kariya, T. Growth of CdTe on Te substrates by solid-state reaction 9—95287
Yokota, M., Harada, R., Mitani, H. Interdiffusion in γ solid solution of the Ni-Mn binary alloy system 9—99374
Yokota, M., Harada, R., Mitani, H. Interdiffusion in a Ni base-Mn-Cu ternary alloy system at 1173K 9—99375
Yokota, M., Moto-Oka, N., Hara, A., Mitani, H. Some considerations on the mechanism of penetration of liquids into capillary tubes 9—99396
Yokota, O., Ishii, Y. Crack detectability by radiography 9—91857
Yokota, T.T. *see* Hester, R.E. 9—76157
Yokoto, T. *see* Ono, M. 9—81343
Yokouchi, Y. *see* Fujii, T. 9—79424
Yokoyama, A., Terauchi, Y., Horiuchi, K., Okumura, S., Saito, Y., Tanaka, H., Odori, T., Morita, R., Mori, T., Torizuka, K. The importance of the chemical state of ^{99m}Tc radiopharmaceuticals: an effective tumor imaging form of ^{99m}Tc bleomycin 9—53228
Yokoyama, H. *see* Sano, T. 9—100361
Yokoyama, I. *see* Harder, J.M. 9—65207
Yokoyama, I. *see* Tajima, H. 9—70733
Yokoyama, K. *see* Okuyama, M. 9—78164
Yokoyama, M. *see* Kitagawa, Y. 9—98943
Yokoyama, M. *see* Nishikawa, H. 9—65091
Yokoyama, M. *see* Sano, Y. 9—95831
Yokoyama, M. *see* Yamada, Y. 9—82101
Yokoyama, M. *see* Yatsui, K. 9—98929
Yokoyama, N. *see* Mimura, T. 9—73590
Yokoyama, R., Hoshi, T. On the relation between reaction velocity parameters and concentration profile of absorbed solutes in a biological flow-absorption system 9—74710
Yokoyama, S., Yukitomo, K., Hirose, M., Osaka, Y. GaAs MOS structures with Al_2O_3 grown by molecular beam reaction under UV excitation 9—60927
Yokozeki, S., Mihara, S. Moire interferometry 9—63298
Yoksan, S. *see* Simanek, E. 9—60962
Yoldas, B.E. Monolithic glass formation by chemical polymerization 9—78926
Yolken, H.T. Mechanisms for assuring accurate measurements of nuclear materials 9—81048
Yolton, C.F., Malone, R.F., Froes, F.H. Alloying element effects in metastable beta titanium alloys 9—56975
Yonas, G. Intense particle beams 9—76117
Yoneda, E. *see* Nakagawa, K. 9—55078
Yoneda, K., Kanda, K. Identification measurement of boron burnable poison in fuel side plate by neutron radiography 9—54492
Yoneda, M. *see* Kikuta, Y. 9—52377
Yoneda, N. *see* Ito, S. 9—87571
Yoneda, T., Sakai, K., Ito, T. Stereoscopic observations of magnetic tape roughness by SEM 9—67254
Yonehara, A. *see* Kato, I. 9—55111
Yonei, S., Kato, M. X-ray-induced structural changes in erythrocyte membranes studied by use of fluorescent probes 9—88129
Yonei, S., Todo, T., Kato, M. Radiation effects on erythrocyte membrane structure studied by the intrinsic fluorescence 9—74724
Yonemitsu, K. *see* Sato, H. 9—56197
Yonenaga, H. *see* Shibata, Y. 9—85805
Yoneya, T. Monopole condensation and quark confinement in a weak coupling SU(N) lattice gauge model 9—75683
Yoneyama, H. *see* Imachi, M. 9—63415
Yoneyama, M., Fujimoto, J. An estimation method for turntable-sheets 9—90071
Yoneyama, T. *see* Murayama, A. 9—89138
Yonezaki, G., Endo, T., Nakamura, A. Resistive divider for the Josephson voltage standard 9—63266
Yonezawa, F., Odagaki, T. Homomorphic cluster coherent potential approximation for systems with site-diagonal and/or off-diagonal randomness 9—90930
Yonezawa, F. *see* Odagaki, T. 9—90929
Yonezawa, F. *see* Tsujino, K. 9—73472
Yonezawa, T. *see* Koga, T. 9—98001
Yonezawa, T. *see* Nakatsuji, H. 9—98002
Yonezawa, T. *see* Yoshioka, Y. 9—100264
Yonezawa, Y. *see* Ito, K. 9—53284
Yonezu, H., Sakuma, I., Kamejima, T., Ueno, M., Iwamoto, K., Hino, I., Hayashi, I. High optical power density emission from a 'window-stripe' AlGaAs double-heterostructrue laser 9—72566
Yonezu, H. *see* Yuasa, T. 9—81444
Yonezu, H.O., Ueno, M., Kamejima, T., Hayashi, I. An AlGaAs window structure laser 9—98394
Yong Che Kim *see* Hackmann, J. 9—68909
Yong Kwan Park *see* Trutna, W.R., Jr. 9—81483
Yong Zhu *see* Zhu Yong
Yong-bo Xu *see* Xu Yong-bo
Yong-Chia Thio, Gleeson, L.J. Electromagnetic fields in a halfspace scattered by a buried sphere by the method of transformation of local elements 9—66828
Yong-fen Guo *see* Guo Yong-fen
Yong-fu Shao *see* Shao Yong-fu
Yong-fu Zhang *see* Zhang Yong-fu
Yong-hong Li *see* Li Yong-hong
Yong-jin Li *see* Li Yong-jin
Yong-Ki Kim *see* Kwok-tsang Cheng 9—54918
Yong-Lian Lo *see* Lo Yong-Lian
Yong-qi Zhu *see* Zhu Yong-qi
Yong-qin Yu *see* Yu Yong-qin
Yong-shi Wu *see* Wu Yong-shi
Yong-shou Chen *see* Chen Yong-shou
Yong-Shun Yang *see* Yang Yong-Shun
Yong-tai Zhu *see* Zhu Yong-tai
Yong-xin Cai *see* Cai Yong-xin
Yong-xin Zhou *see* Zhou Yong-xin
Yong-yan Fang *see* Fang Yong-yan
Yongchareon, W., Young, D.F. Initiation of turbulence in models of arterial stenoses 9—79577
Yongshi Wu *see* Wu Yongshi
Yoo, C.S. *see* Furey, W., Jr. 9—99168
Yoo, J., Joseph, D.D., Beavers, G.S. High-order theory of the Weissenberg effect 9—68766
Yoo, K.C. *see* Wang, F.F.Y. 9—73961
Yoo, M.H. The elastic energy of slit cracks in hexagonal crystals 9—60431
Yoo, M.H. Growth kinetics of dislocation loops and voids—the role of divacancies 9—99196
Yoo, M.H. The role of divacancies in void swelling 9—99236
Yoodee, K., Methasiri, T., Ming Tang, I. Design and construction of a simple Mossbauer spectrometer 9—75668
Yook Chong Chul *see* Chong Chul Yook
Yoon, D.N., Huppmann, W.J. Chemically driven growth of tungsten grains during sintering in liquid nickel 9—61532
Yoon, D.N. *see* Muster, W.J. 9—86895
Yoon, H.N., Eisenberg, A. Methyl group tunneling and viscoelastic relaxation in poly(α-methyl styrene) 9—57038
Yoon, K.K. *see* Murty, K.L. 9—57068
Yoon, T.S. *see* Biswas, N.N. 9—63556
Yoon, T.-S. *see* Goddard, M.C. 9—49544
Yoon, W. *see* Shultis, J.K. 9—59274
Yoon Hyo Sub *see* Hyo Sub Yoon
Yoon W. Park, Tae W. Nam, Soo Y. Kim Study on the degree of normalization in spheroidal graphite cast iron 9—87664
Yoon Young Ku *see* Young Ku Yoon
Yopp, J.H. *see* Venable, W.C. 9—96526
Yoribayashi, Y. *see* Chiba, M. 9—93898
Yoriyasu, K. *see* Sakurama, T. 9—80031
York, D.G. *see* Cowie, L.L. 9—71086, 9—97049
York, D.G. *see* Laurent, C. 9—53865
York, J.M. A metallographic study of the variation of fracture morphology of Ti-6Al-4V with solution-treating temperature 9—61620
York-Peng Yao *see* Kazama, Y. 9—71640, 9—71735
Yorka, S.B., Wing, R.F. The distribution and population-type characteristics of S stars 9—88651
Yorke, J.A. *see* Kaplan, J.L. 9—72883
Yoselevich, V.A., Pilipenko, V.N. Convective heat transfer in turbulent flows with polymeric additives 9—77098
Yoselevich, V.A. *see* Sedov, L.I. 9—98802
Yoshida, A. The relation between vaporization entropy and surface tension at temperatures near melting point 9—99397
Yoshida, A., Asakura, T. Focusing properties of an off-axis gaussian beam 9—76735
Yoshida, A. *see* Fujita, K. 9—52472, 9—61739, 9—79183, 9—79184
Yoshida, F., Sakuma, T. Soliton solution in a one-dimensional nonlinear lattice with (2,1) Lennard-Jones potential 9—54069
Yoshida, F., Takeno, S. Dynamical structure factor and elementary excitations in normal liquid He^3 9—99384
Yoshida, F. *see* Ide, R. 9—74232
Yoshida, F. *see* Kamitsubo, H. 9—54662
Yoshida, F. *see* Wada, T. 9—54614
Yoshida, H., Maegawa, K. The optimum cross section of channel columns 9—50580
Yoshida, H. *see* Imai, T. 9—90426
Yoshida, H. *see* Kaneko, T. 9—51488
Yoshida, H. *see* Kawai, T. 9—97285
Yoshida, H. *see* Ogasawara, M. 9—78709
Yoshida, H. *see* Watanabe, T. 9—80307
Yoshida, I.V.Pagotto *see* Pagotto Yoshida, I.V.
Yoshida, K. Transport of spatially inhomogeneous current in a compensated metal under magnetic fields. I. Potential and current distributions 9—87081
Yoshida, K. Transport of spatially inhomogeneous current in a compensated metal under magnetic fields. II. Dynamical properties of the current system 9—87082
Yoshida, K., Yoshioka, M., Halbritter, J. Measurements of superconducting niobium cavities at 700 MHz 9—68059
Yoshida, K. *see* Dote, Y. 9—84015
Yoshida, K. *see* Enpuku, K. 9—82718
Yoshida, K. *see* Irie, F. 9—65612
Yoshida, K. *see* Ogasawara, M. 9—78709
Yoshida, K. *see* Okubo, H. 9—98515
Yoshida, K. *see* Tamura, S. 9—83859
Yoshida, K. *see* Tanaka, H. 9—79087
Yoshida, K. *see* Yamada, K. 9—81457
Yoshida, M. Numerical solution of phosphorus diffusion equation in silicon 9—51311
Yoshida, M. Group velocity distributions of Rayleigh waves and two upper mantle models in the Pacific Ocean 9—70747
Yoshida, M., Fukuchi, J. Low cost processes for fabricating silicon solar cells 9—83600
Yoshida, M., Suto, H. Segregation of P, C and Cr to the γ-boundary and to the carbide/γ-interface in high C-Cr steels 9—61593
Yoshida, M. *see* Ikegami, S. 9—87992
Yoshida, M. *see* Kaneda, Y. 9—83924
Yoshida, M. *see* Shin, K. 9—76152
Yoshida, S. Antireflection coatings on metals for selective solar absorbers 9—65951
Yoshida, S., Misawa, S., Gonda, S. Cathodoluminescence of impurity-doped aluminium nitride films produced by reactive evaporation 9—83038
Yoshida, S. *see* Haruyama, O. 9—49256
Yoshida, S. *see* Ohhata, Y. 9—91515
Yoshida, S. *see* Sakagami, Y. 9—90696
Yoshida, S. *see* Yamashita, H. 9—56872
Yoshida, T., Kawasaki, A., Nakagawa, K., Akashi, K. The synthesis of ultrafine titanium nitride in an RF plasma 9—70026
Yoshida, T., Ohasaka, T. Dynamic impedance study of hydrogen adsorption on the platinum electrode 9—74393
Yoshida, T. *see* Kousaka, Y. 9—52782
Yoshida, T. *see* Yamabayashi, N. 9—94216
Yoshida, Y., Naruse, Y., Iijima, T. Present techniques for control of tritium release and environmental monitoring in fusion research 9—81078
Yoshida, Y., Sagehashi, I., Niwa, N. A narrow band television system as a view-finder of balloon-borne solar telescope. III 9—80228
Yoshida, Y. *see* Nakayama, J. 9—55271
Yoshie, O., Kamihara, M., Kanaya, K. Phase memory effect and deep levels in photoconducting thin films 9—82556
Yoshihara, H. *see* Mori, H. 9—66013
Yoshihara, K., Kitade, A. A far infrared interferometer for obtaining the Fourier sine transform of the spectrum 9—97422
Yoshihara, K., Kurahashi, M., Nii, K. The segregation behavior of sulfur, oxygen and phosphorus at the (100) surface of iron single crystal 9—61591
Yoshihara, K., Nii, K. The kinetics of segregation and its application to the Fe(100)-S system 9—61592
Yoshihara, K. *see* Kato, H. 9—98141
Yoshihara, K. *see* Namiki, A. 9—94027
Yoshihiro, K., Kinoshita, J., Inagaki, K., Murata, K., Yamanouchi, C. Far infrared properties of shallow impurity states in heavily doped germanium 9—95786
Yoshihiro, K. *see* Uwe, H. 9—73426
Yoshihiro, N. *see* Miyao, M. 9—55793
Yoshii, H. *see* Aguirre, C. 9—62699
Yoshii, T. *see* Shima, E. 9—66654
Yoshiike, N. *see* Suzuki, S. 9—50062
Yoshikawa, A., Ishizaki, O., Kasai, H., Nishimaki, M. Study on junction properties of n-CdS/p-InP heterodiodes by using injection electroluminescence 9—82667
Yoshikawa, K., Kato, T., Tashiro, H. A new technique of holographic interferometry by a double-aperture reconstruction: the measurement of in- and out-of-plane displacements 9—80670
Yoshikawa, K. *see* Iwata, R. 9—88192
Yoshikawa, K. *see* Okada, N. 9—57518
Yoshikawa, M., Ito, M., Shinohara, K., Ueda, R. Misfit dislocations in PbTe-PbSnTe heterojection 9—77926
Yoshikawa, S., Iwasaki, Y.T., Tai, M. Microzoning of Osaka region [Japan] 9—88283
Yoshikawa, S. *see* Hohkawa, K. 9—81613
Yoshikawa, S. *see* Kimura, T. 9—82913, 9—95253
Yoshikawa, S. *see* Kishida, S. 9—50311
Yoshikawa, S. *see* Koyamada, Y. 9—76933, 9—76934
Yoshikawa, S. *see* Temmyo, J. 9—68532
Yoshikawa, S. *see* Tohyama, M. 9—76914
Yoshikawa, S. *see* Yoshikiyo, H. 9—58731
Yoshikawa, Y. *see* Itoh, K. 9—92309
Yoshiki, T. *see* Murakami, A. 9—96120
Yoshikiyo, H., Yoshikawa, S. A study of cryogenic envelopes for superconducting telecommunication cables 9—58731
Yoshimatsu, Y. *see* Yokota, K. 9—95287
Yoshimi, N. *see* Torii, C. 9—101065
Yoshimi, Y., Tokimatsu, K. Two-dimensional pore pressure changes in sand deposits during earthquakes 9—88308
Yoshimi, Y. *see* Kobayashi, H. 9—88291
Yoshimine, M. *see* Tanaka, K. 9—50095
Yoshimine, M. *see* Tatewaki, H. 9—81158
Yoshimori, A., Eukuda, H. A possible model for the weak ferromagnetism of NiS_2 9—65632

Yoshimori, M., Watanabe, H., Okudaira, K., Hirashima, Y., Murakami, H. Balloon observation of galactic gamma-ray lines with high resolution Ge(Li) spectrometer 9—80353
Yoshimoto, C. *see* Yamamoto, T. 9—54749, 9—81136
Yoshimura, A. *see* Matsuki, S. 9—67777
Yoshimura, C. *see* Morita, S. 9—54638
Yoshimura, H. *see* Minemoto, T. 9—94340
Yoshimura, H.R., Huerta, M., Nilson, R.H., Pope, R.B. High-speed impact and fire test of a spent-fuel rail cask system 9—59206
Yoshimura, J., Miyazaki, T., Wada, T., Kohra, K., Hosaka, M., Ogawa, T., Taki, S. Measurement of local variations in spacing and orientation of lattice plane of synthetic quartz 9—52099
Yoshimura, M., Hashizume, T., Adachi, M. Clinical approach of 14-inch image amplifier type 1A-14X 9—92355
Yoshimura, T. Electromagnetic self-energy of charged fields in non-minkowskian spacetime and gauge dependence of mass renormalization 9—85214
Yoshimura, T., Nakajima, T., Wakabayashi, N. Optical superheterodyne spectrum analyzer with a triggered photon counting method 9—80691
Yoshimura, T. *see* Nouri-Moghadam, M. 9—63367
Yoshimura, T. *see* Sawaragi, Y. 9—57535
Yoshimura, Y. *see* Ishihara, N. 9—85860
Yoshimura, Y. *see* Kichimi, H. 9—89207
Yoshimura, Y. *see* Sugahara, R. 9—93453, 9—93454
Yoshinaga, H. *see* Matsuki, S. 9—67777
Yoshinari, M. An application of a minicomputer to the automatic control of the PZT observation 9—101083
Yoshino, K., Fujii, H., Takahashi, R., Inuishi, Y., Hayashi, K., Kubo, U. Electrical breakdown in cryogenic liquids 9—91364
Yoshino, K., Fujii, H., Takahashi, R., Yanagida, S., Inuishi, Y. Electrical properties of liquid perfluoro carbon—breakdown characteristics 9—82925
Yoshino, K., Harada, S., Kyokane, J., Inuishi, Y. Electrical properties of hexatriacontane single crystal 9—51592
Yoshino, K., Harada, S., Kyokane, J., Inuishi, Y. Temperature dependence of dielectric breakdown of hexatriacontane ($C_{36}H_{74}$) single crystal 9—51905
Yoshino, K., Inuishi, Y. Optical damage in ferroelectrics 9—65824
Yoshino, K., Tanaka, Y. Absorption spectrum of krypton in the vacuum UV region 9—49972
Yoshino, K., Tanimura, K., Yamamoto, Y., Kaneto, K., Inuishi, Y. Influence of halogen on electrical and optical properties of $(SN)_x$ polymer 9—51559
Yoshino, K., Yamaguchi, M., Inuishi, Y. Dependence of optical damage in $LiNbO_3$ on temperature, pressure and applied electric field 9—81498
Yoshino, K., Yamamoto, Y., Tanimura, K., Kaneto, K., Inuishi, Y. Temperature dependence of electrical conductivity of halogen-doped (SN)x polymer 9—65563
Yoshino, K. *see* Freeman, D.E. 9—98119
Yoshino, K. *see* Fujii, H. 9—91363
Yoshino, K. *see* Kaneto, K. 9—91091
Yoshino, K. *see* Uemoto, T. 9—82154, 9—91394
Yoshino, K. *see* Ueno, N. 9—98249
Yoshino, K. *see* Yamamoto, M. 9—51611
Yoshino, K. *see* Yamamoto, Y. 9—51586
Yoshino, K. *see* Yasuda, N. 9—78634, 9—91384, 9—99832
Yoshino, M. *see* Yamanaka, C. 9—82070
Yoshino, N. *see* Ohta, M. 9—88033
Yoshino, T. Reflection anisotropy of 6328 A laser mirrors 9—98413
Yoshino, Y. *see* Takeda, K. 9—61147
Yoshioka, D. Electronic phase transitions of semimetals in a strong magnetic field 9—60718
Yoshioka, D., Fukuyama, H. Charge density wave state of two-dimensional electrons in strong magnetic fields 9—90978
Yoshioka, H., Sonomura, H., Miyauchi, T. Bowing effect of direct energy gap in III-V ternary alloys 9—95321
Yoshioka, H., Sonomura, H., Miyauchi, T. On intrinsic bowing parameters of the direct energy gaps in III-V ternary alloys 9—99469
Yoshioka, H. *see* Kashihara, Y. 9—55679, 9—56456
Yoshioka, H. *see* Yamaga, M. 9—65709, 9—73811, 9—91294
Yoshioka, K., Kato, K. Algorithm for cause analysis using cause consequence model 9—97823
Yoshioka, M. *see* Bauer, W. 9—72140
Yoshioka, M. *see* Yoshida, K. 9—68059
Yoshioka, R., Kawamura, A., Neda, T., Makino, K. Reactor operation and management 9—81042
Yoshioka, T., Takenaka, T. Nitellopsis obtusa internodal cell birefringence change during action potential 9—100585
Yoshioka, Y., Yonezawa, T., Tanbara, T. Study on the restrained stress and early thermal cracking in thick concrete walls 9—100264
Yoshioka, Y. *see* Oshiyama, H. 9—77404
Yoshiya, K. *see* Suzuki, J. 9—59893
Yoshizaki, H. *see* Kono, R. 9—77688
Yoshizaki, K. *see* Hashimoto, Y. 9—61749
Yoshizaki, K. *see* Nishikawa, H. 9—79475
Yoshizaki, O. *see* Furukawa, K. 9—70325
Yoshizawa, A. Statistical approach to inhomogeneous turbulence with unidirectional mean flow. II. Mean velocity profile in a channel flow 9—55359
Yoshizawa, A. Statistical approach to inhomogeneous turbulent diffusion: general formulation and diffusion of a passive scalar in wall turbulence 9—90238
Yoshizawa, A. Perturbational method in magneto-hydrodynamic turbulence with special reference to magnetic dynamo 9—90389
Yoshizawa, I., Kamada, K., Naramoto, H. Isochronal annealing effects on the yield stress of electron-irradiated copper single crystals 9—79037
Yoshizawa, M. *see* Hirao, Y. 9—72117
Yoshizawa, Y. Wave structures of a chemically reacting gas by the kinetic theory of gases 9—94678
Yosida, K., Sakurai, A. A remark on the ground state of the asymmetric Anderson model 9—90932
Yosida, K. *see* Fukuyama, H. 9—65499
Yosida, K. *see* Kaga, H. 9—60745
Yosida, T., Aoki, H., Takeuchi, H., Arakawa, M., Horai, K. EPR of several iron-group impurities in $LiBaF_3$ having inverse perovskite structure 9—65718
Yosida, T. *see* Arakawa, M. 9—65725
Yosida, Y., Kawamura, K. Scattering of tight-binding electrons off screw dislocations. I. Numerical solution of the Schrodinger equation 9—51540
Yosida, Y. *see* Kawamura, K. 9—91012
Yosinobu, H., Onishi, Y., Amano, S., Enyo, S., Wakitani, S. Experimental study on instability of a natural convection flow above a horizontal line heat source 9—90252
Yosomiya, R. *see* Kobayashi, M. 9—77780, 9—78911
Yost, B. *see* Dris, M. 9—49491
Yost, R.A., Enke, C.G., McGilvery, D.C., Smith, D., Morrison, J.D. High efficiency collision-induced dissociation in an RF-only quadrupole 9—67419
Yost, W.A., Hill, R. Models of the pitch and pitch strength of ripple noise 9—90075
Yotsuya, T. *see* Shioyama, T. 9—78241
Yotsuyanagi, I. *see* Nakajima, R. 9—93309
You Jun-han, Cheng Fu-hua The Cerenkov line radiation and the emission-line spectra of QSOs 9—80366
You-Chang Liu *see* Liu You-Chang
You-wei Zhang *see* Zhang You-wei
You-Wen Zhang *see* Zhang You-Wen
You-yuan Zhao *see* Zhao You-yuan
Youd, T.L. *see* Brabb, E.E. 9—88273
Youdelis, W.V. Nucleation energy and grain refinement of alloys 9—91627
Yougquan Xie *see* Xie Yougquan
Youl, S.F. *see* Eisler, P.L. 9—80042
Youlin Liang *see* Liang Youlin
Youm, Y. *see* Andrews, J.G. 9—70570
Youm, Y.I. Muscle energy in human wrist motions 9—92285
Youn Kyu Koh, Chul Chu Lee, Chung Nam Whang, Dong Ho Suck Plasma production and the effect of magnetic fields on its properties 9—50869
Younes, M.K. *see* Baker, J.P. 9—100647
Young, A. Mapping the world's soils 9—57937
Young, A.P. Melting and the vector Coulomb gas in two dimensions 9—69449
Young, A.P. Fluctuation effects in spin glasses 9—78381
Young, A.P. *see* Southern, B.W. 9—56549
Young, A.T., Schorn, R.A., Young, L.D.G., Crisp, D., Barker, E.S. Spectroscopic observations of winds on Venus. I. Technique and data reduction 9—75130
Young, A.T. *see* Schorn, R.A.J. 9—75129
Young, C. *see* Lees, R.M. 9—64024
Young, C. *see* Prescott, C.Y. 9—75776
Young, C.Y. *see* Candau, S.J. 9—70381
Young, D. *see* Cline, D. 9—72090
Young, D.A. *see* Glenn, L.A. 9—93821
Young, D.E. *see* Cline, D.B. 9—68004
Young, D.E. *see* Gannon, J.C. 9—72139
Young, D.F. *see* Yongchareon, W. 9—79577
Young, D.J., Delamotte, E., Kirkaldy, J.S. Uphill diffusion associated with a flux of extrinsic vacancies 9—65229
Young, D.R., Alexander, G.V., McDermott-Ehrlich, D. Vessel-related contamination of southern California harbours by copper and other metals 9—88010
Young, D.R. *see* DiMaria, D.J. 9—90704
Young, E., Shaw, P.B., Whitfield, G. Asymptotic spectrum of momentum eigenstates of one-dimensional polarons 9—56143
Young, E.D. *see* Sachs, M. 9—92230
Young, F.C. *see* Armstrong, C.M. 9—98944
Young, F.C. *see* Ripin, B.H. 9—86596
Young, F.M. *see* Sinha, D.N. 9—81709
Young, G.M. *see* McLennan, S.M. 9—92511, 9—92533
Young, G.R. *see* Lister, C.J. 9—93493
Young, I.M. The central region of the PbO/TeO_2 phase diagram 9—70046
Young, J. *see* Harris, A.W. 9—53752
Young, J.B. *see* Bakhtar, F. 9—72926
Young, J.F. *see* Bentur, A. 9—100332
Young, J.F. *see* Goodbrake, C.J. 9—79219
Young, J.F. *see* Green, W.R. 9—64075, 9—81274, 9—98207
Young, J.F. *see* Jarrett, S.M. 9—72589
Young, J.F. *see* White, J.C. 9—63944
Young, J.G. Why we need non-destructive testing of welded constructions 9—79192
Young, J.P. *see* Hurst, G.S. 9—52800, 9—54996
Young, J.P. *see* Kramer, S.D. 9—81189
Young, K. Chou-Yang model and s-channel helicity conservation 9—63449
Young, K. *see* Rrandt, R.A. 9—80766
Young, K. *see* Suen, W.M. 9—81682
Young, K.C. On the role of mixing in promoting competition between growing hailstones 9—79934
Young, K.C., Jr., Lind, J.M., Zurmuhle, R.W., Balamuth, D.P. Study of particle and γ decays of the E_x=12.00 MeV 6_3^+ level in ^{24}Mg 9—75901
Young, K.M. *see* Strachan, J.D. 9—68954
Young, L., Moharam, M.G., Guibaly, F.El., Lun, E. Hologram writing in lithium niobate: Beam coupling and the transport length in the bulk photovoltaic effect 9—94190
Young, L. *see* Propp, M. 9—99460
Young, L.D.G. *see* Schorn, R.A.J. 9—75129
Young, L.D.G. *see* Young, A.T. 9—75130
Young, L.M. *see* Axel, P. 9—72042
Young, M., Lawton, R.A. Measurement of pulsed-laser power 9—86202
Young, M., Levine, E., Margolin, H. Age hardening of α-β Ti-6Al-2Sn-4Zr-6Mo 9—61604
Young, M.F. Fuel pin modeling for the prompt burst excursion (PBE) experiments 9—49769
Young, M.F. *see* Garner, P.L. 9—85668
Young, M.F. *see* Ostensen, R.W. 9—49748
Young, M.F. *see* Reil, K.O. 9—49768
Young, M.H., Marsh, O.J., Baron, R. Shallow defect levels in neutron-irradiated p-type extrinsic silicon 9—87055
Young, M.H. *see* Baron, R. 9—51512
Young, M.L. *see* Astles, M.G. 9—99640
Young, M.W., Ambrosek, R.G. Special application of RELAP4 to the power burst facility 9—89432
Young, M.W., Thomas, J.M.D., Adkins, C.J., Tate, J.W. Increased resistance below the superconducting transition in discontinuous films of (SN), and indium 9—56357
Young, M.W. *see* Wadkins, R.P. 9—59144
Young, P., Schneider, D.P. Improved infrared observations of AM Herculis 9—71066
Young, P.G. *see* Stewart, L. 9—67795
Young, P.J., Sargent, W.L.W., Boksenberg, A., Carswell, R.F., Whelan, J.A.J. A high-resolution study of the absorption spectrum of PKS 2126—158 9—53928
Young, P.J. *see* Sargent, W.L.W. 9—62925
Young, R. *see* McGetchin, T.R. 9—92517
Young, R.A. Possible existence of bound state Frenkel vacancies in solid ^3He 9—56019
Young, R.C., Feldberg, S.W. Photoinitiated mediated transport of H_3O^+ and/or OH^- across glycerol monooleate bilayers doped with magnesium octaethylporphyrin 9—88059
Young, R.E. *see* Schubert, G. 9—66939
Young, R.G., Carlton, W.H. X-ray attenuation by prescription lenses 9—92395
Young, R.H. *see* Amimoto, S.T. 9—94047
Young, R.J. *see* Bonfield, W. 9—57690, 9—79592
Young, R.J. *see* Leinster, P. 9—70481
Young, R.J. *see* Read, R.T. 9—82165
Young, R.J. *see* Yamini, S. 9—70154
Young, R.T., Narayan, J., Westbrook, R.D., Wood, R.F. Transmission electron microscopy and electrical properties measurements of laser doped silicon and GaAs 9—69138
Young, R.T. *see* Engstrom, H. 9—73914
Young, R.T. *see* White, C.W. 9—69126, 9—73202, 9—86805
Young, R.T. *see* Wilson, S.R. 9—73204
Young, R.W. Sensitivity of thermomechanical response to thermal boundary conditions and material constants 9—77001
Young, R.W. *see* Gibson, R.D. 9—68801
Young, S.J. Diffuse reflectance of clouds: a semiempirical model 9—80014
Young, S.J. Speech synthesis from concept: a method for speech output from information systems 9—94414
Young, S.P. *see* Notis, M.R. 9—51815
Young, S.T.B. *see* Smits, A.J. 9—90235
Young, V.Y., Gibbs, R.A., Winograd, N. X-ray photoemission studies of atom implanted matrices: Cu, Ag, and Au in SiO_2 9—89655
Young, W.H., Isbell, D.M. Production mapping with orthophoto digital terrain models 9—84545
Young, W.H. *see* Harder, J.M. 9—65207
Young, W.S. *see* Sharma, P.K. 9—98760

Young, W.S., III, Kuhar, M.J. Autoradiographic localisation of benzodiazepine receptors in the brains of humans and animals 9—83752
Young Duk Dim *see* Schuette, W.H. 9—92423
Young H. Park, Pyung Choo Park A study of the iron precipitation as Jarosite (II) 9—87842
Young Key Kwon *see* Kwon Young Key
Young Ku Yoon *see* Sang Hoon Lee 9—54523
Young Kyu Kang, Zeun Nam Bien Optimal shutdown control of nuclear reactor: a numerical solution 9—89395
Young Soon Kim *see* Iwinski, Z.R. 9—67717
Young Soon Kwak, Yang Sung Lee, Chung Soo Cho A study on the breakdown characteristics in cross-linked polyethylene by treeing effect 9—91353
Young-Won Kim Surface hardening and microstructural refinement of M2 tool steel by laser melting and electron beam melting and subsequent heat treatments 9—70093
Young-Won Kim, Strutt, P.R., Nowotny, H. Laser melting and heat treatment of M2 tool steel: a microstructural characterization 9—100188
Young-Won Kim *see* Strutt, P.R. 9—70086
Youngberg, J.E. Rate/pitch modification using the constant-Q transform [speech communication] 9—68515
Youngblood, L.A. *see* Beebe, R.F. 9—92710
Youngblood, R., Noda, Y., Shirane, G. Neutron-scattering study of phonon linewidths in Pd 9—95100
Youngbluth, O., Jr. A versatile burst generator for LDV 9—77321
Youngdahl, C.K. *see* Stacey, W.M., Jr. 9—71967
Younger, S.M. Collision strengths and Gaunt factors for highly ionized atoms of the copper isoelectronic sequence 9—98227
Youngman, C. *see* Brandelik, R. 9—63491, 9—93441
Youngner, D. *see* Machida, K. 9—69617, 9—73628
Youngs, E.G. *see* Aggelides, S. 9—79899
Youngs, R.R. *see* Sadigh, K. 9—88305
Yount, D.E. Skins of varying permeability: a stabilization mechanism for gas cavitation nuclei 9—81611
Yount, D.E., Yeung, C.M., Ingle, F.W. Determination of the radii of gas cavitation nuclei by filtering gelatin 9—81612
Yount, D.E. *see* Piccolo, M. 9—93439
Yount, D.E. *see* Rapidis, P.A. 9—75780
Yourd, R.B. *see* Behrsing, G.U. 9—54661
Yourd, R.B. *see* Staples, J.W. 9—71987
Yourgrau, W. *see* Treder, H.-J. 9—85040
Yourgrau, W. *see* Wehrl, A. 9—80558
Youseff, M. *see* Ragheb, M.M.H. 9—81088
Youssef, A.Ben *see* Ben Youssef, A.
Youssef, A.M., Amin, N.M. Surface properties of Mn-doped iron oxide 9—65302
Youssef, A.M., Selim, M.M., El-Nabarawy, T. Selective adsorption of NaX zeolite and its scandium-substituted zeolites 9—90887
Youssef, A.M. *see* Mikhail, R.Sh. 9—79287
Youssef, M. *see* Conn, R.W. 9—85793
Youssef, M.K. *see* Doma, S.B. 9—59016
Youssef, M.Z. *see* Ragheb, M.M.H. 9—85794
Youssef, N.A.N., Popplewell, N. The maximax response of discrete multi-degree-of-freedom systems 9—81712
Youssef, N.A.N. *see* Popplewell, N. 9—68626
Youssef, Y.M. *see* Levine, M.D. 9—53074
Youssefi, A. *see* Paul, A. 9—74269
Youssefkhani, A. Automatic measurement of temperature in a nuclear reactor 9—89399
Yovanovitch, D.D. *see* Finley, D.A. 9—49625, 9—49626
Yoza, N., Kouchiyama, K., Ohashi, S. An atomic absorption flow detector for gel chromatography: lower limit of continuous detection of magnesium polyphosphate complexes 9—87890
Ypma, M.R. *see* Caspers, L.M. 9—60399
Ypsilantis, T. *see* Charpak, G. 9—93871
Yrager, E. *see* Borsay, F. 9—96331
Yu, C.C. *see* Barber, D. 9—54289, 9—54346
Yu, C.P., Rajaram, S. Diffusional deposition of particles in a model alveolus 9—53173
Yu, C.P., Rajaram, S., Taulbee, D.B. Air mixing in a model lung alveolus 9—62287
Yu, C.P., Thiagarajan, C. Decay of aerosols in the lung during breath holding 9—66480
Yu, C.P. *see* Thiagarajan, V. 9—50778
Yu, D. *see* Cuomo, J.J. 9—78886
Yu, F.T.S. Super resolution and cost of entropy 9—89862
Yu, F.T.S., Tai, A. Incoherent image addition and subtraction: a technique 9—98293
Yu, F.T.S. *see* Tai, A. 9—72499, 9—94160
Yu, H.L., Whiting, E.E. Bonding of nitrogen atoms on Cu(001) surfaces: a cluster approach 9—60902
Yu, I.-W. *see* Wilson, W.K. 9—81811
Yu, K.-H. *see* Bowers, J.E. 9—55304
Yu, L.L., Overley, J.C. Small-angle nuetron scattering from Pb and ^{238}U between 0.6 and 2.2 MeV 9—85472
Yu, M.H., Reisler, H., Mangir, M., Wittig, C. Collisionless production of electronically excited species via IR laser photolysis 9—57255
Yu, M.L. Electron desorption of positive and negative oxygen ions from oxygen-covered Mo (100) surfaces 9—82444
Yu, M.L. Effect of Cs on electron stimulated desorption of negative ions 9—86991
Yu, M.L. Observation of positive and negative oxygen ions during electron bombardment of oxygen-covered Mo (100) surfaces 9—95883
Yu, M.Y. *see* Bujarbarua, S. 9—98898
Yu, P.K. *see* Cullen, A.L. 9—50196
Yu, P.W. *see* Yeo, Y.K. 9—86806
Yu, P.Y. Brillouin scattering of exciton polaritons and additional boundary conditions 9—95795
Yu, P.Y., Evangelisti, F. Brillouin scattering efficiencies of exciton polaritons and the additional boundary conditions in CdS 9—73960
Yu, S.Y. A modified expression of the flat-band voltage due to the fixed surface charge density of a MOS configuration 9—56317
Yu, S-Y., Thomas, G. A simplified approach to the current-voltage characteristics of the p^+np^+ diode below reach-through 9—56292
Yu, X.H. *see* Barber, D.P. 9—97631
Yu, Y.W. *see* Woon Sang Yu 9—88160
Yu, Z.H. *see* Barber, D.P. 9—89175
Yu Chao-fan *see* Wang Zheng-da 9—80864
Yu Chen *see* Peng Hua-shou 9—93887
Yu Chuan-Zan *see* Zhao Shu-Song 9—92986
Yu Chung *see* Chung Yu
Yu Feng-chun *see* Gu Ben-yuan 9—81490
Yu Guey-Kuen *see* Guey-Kuen Yu
Yu Han-Jong *see* Han-Jong Yu
Yu Hong, Li Bing-an Hadronic production of J/ψ, ψ' (3684) and the content of the charmed strat-ons in the sea of the stratons 9—63434
Yu Hsou-Tao *see* Hsou-Tao Yu
Yu Kuang-ming The dissipation of waves energy by turbulence 9—81908
Yu Liang Tse *see* Liang Tse Yu
Yu Mao-cheng *see* T'ung Wei 9—79759
Yu Mung Shih, Dong Chuang Jou, Pan, C.K., Lee, W.S., Wen Den Chen, Huang, H.M., Chin-kun Hu, Kuo Gen Chen, Hsein Che Tseng Comment on 'Variational approximations for renormalization-group transformations' 9—61139
Yu Phil Won *see* Phil Won Yu
Yu Shou-Peng *see* Li Ching-Chung 9—100833
Yu Shu-Cheng *see* Shu-Cheng Yu
Yu Tan Teh *see* Teh Yu Tan
Yu Tong-zi Finite plastic deformation of a ring pulled diametrically 9—64525
Yu Wang, Calvert, L.D., Gabe, E.J., Taylor, J.B. Structures of Ta_3As and $(Nb,Ta)_3As$ 9—69078
Yu Wen-Yan *see* Lin Zun-Qi 9—68408
Yu Woon Sang *see* Woon Sang Yu
Yu Yong-qin *see* Pan Lin-zhiang 9—91310
Yu Yu-De *see* Liang Jing-Kui 9—51059
Yu Zhe-hon *see* Han Bao-shan 9—99741
Yu Zhen *see* Peng Hua-shou 9—76301
Yu Zhongmin *see* Dong Xianquan 9—81827
Yu Zu-rong *see* Chen Jin-quan 9—58902
Yu-biao Feng *see* Feng Yu-biao
Yu-cai Ni *see* Ni Yu-cai
Yu-chen Gao *see* Gao Yu-chen
Yu-De Yu *see* Yu Yu-De
Yu-ju Dong *see* Dong Yu-ju
Yu-kun Wu *see* Wu Yu-kun
Yu-lain Dong *see* Dong Yu-lain
Yu-lin Zhao *see* Zhao Yu-lin
Yu-Ling Zhan *see* Zhan Yu-Ling
Yu-Ming Chang *see* Chang Yu-Ming
Yu-ming Zheng *see* Zheng Yu-ming
Yu-shun Lei *see* Lei Yu-shun
Yu-shun Zhang *see* Zhang Yu-shun
Yu-Tang Wang *see* Wang Yu-Tang
Yu-wen Qin *see* Qin Yu-wen
Yu-Xia Zheng *see* Zheng Yu-Xia
Yu-xian Zhang *see* Zhang Yu-xian
Yuabov, Yu.M., Naimanbaev, R. Current-voltage characteristics of anomalous-photovoltage cadmium telluride films 9—69549
Yuan, L.C.L. *see* Amaldi, E. 9—71771
Yuan, S.W., Bloom, A.M. Solar energy earth storage and utilization—technical and economic aspects 9—57475
Yuan, Y.C., Roberts, C.J., Momeni, M.H. Radiological assessment methodology for uranium mills 9—85827
Yuan, Y.F. *see* Heavens, O.S. 9—84055
Yuan Bao-yin, Ye Lian-fang A chronostratigraphic study of the Lei-Gong-Mo (Tektite) 9—84756
Yuan Mou Chung *see* Chung Yuan Mou
Yuan Run-guang An example of distinguishing the traces of folding in Precambrian metamorphic rocks 9—96761
Yuan Soo-soo *see* Chang Pei-lin 9—72578
Yuan Wang Shih *see* Shih Yuan Wang
Yuan-ben Dai *see* Dai Yuan-ben
Yuan-Heng Guo *see* Guo Yuan-Heng
Yuan-Hui Li, Lui-Heung Chan Desorption of Ba and ^{226}Ra from river-borne sediments in the Hudson estuary 9—79877
Yuan-Long Zhang *see* Zhang Yuan-Long
Yuan-ri Chui *see* Chui Yuan-ri
Yuan-Xun Qin *see* Qin Yuan-Xun
Yuan-zhao Yin *see* Yin Yuan-zhao
Yuanzhong Zhang *see* Zhang Yuanzhong
Yuasa, K. Density and current correlation functions in Bose system 9—54046
Yuasa, K. *see* Kumabe, I. 9—89264
Yuasa, T., Endo, K., Torikai, T., Yonezu, H. Facet protection of (AlGa)As lasers using SiO_2 sputter deposition 9—81444
Yuasa, T., Koori, N. p-d scattering at very small relative energy observed in the FSI regions of the $^3He(p,dp)p$ reaction at 156 MeV 9—85441
Yuba, Y., Gamo, K., Murakami, K., Namba, S. Laser-irradiation effects on unencapsulated GaAs studied by capacitance spectroscopy 9—99987
Yuba, Y. *see* Gamo, K. 9—73192
Yucel, H. *see* Lee, L.-K. 9—87873
Yuch-Ning Shieh, Schwarcz, H.P. The oxygen isotope composition of the surface crystalline rocks of the Canadian Shield 9—62496
Yuda, T. *see* Akashi, M. 9—63562
Yuda, T. *see* Ohta, I. 9—49905
Yudaev, B.N. *see* Aralov, A.D. 9—59970
Yudaev, V.F. Escape of liquid from perforated shell 9—77324
Yudelovich, M.Ya. *see* Antonov, A.N. 9—68775
Yudenich, V.S. *see* Mamyrin, B.A. 9—86080
Yudin, B.F. *see* Antyukh, E.V. 9—96916
Yudin, E.P. An investigation of adsorption properties of silica gel by electron paramagnetic resonance 9—52776
Yudin, G.L. Two-electron theory of Compton profiles 9—86012
Yudin, I.K. *see* Kiyachenko, Yu.F. 9—93234
Yudin, I.P. *see* Vdovin, A.I. 9—75895
Yudin, L.I. *see* Baldin, A.M. 9—72125
Yudin, L.I. *see* Larin, I.G. 9—68168
Yudin, M.F. *see* Gorbatsevich, S.V. 9—97338
Yudin, M.F. *see* Kochina, M.P. 9—93835
Yudin, S.F. *see* Privalov, V.E. 9—64203
Yudin, V.M. *see* Kravchenko, V.F. 9—81702
Yudin, V.V. *see* Timakova, G.P. 9—61190
Yudina, L.A. *see* Timakova, G.P. 9—61190
Yudina, T.F. *see* Mel'nikov, V.G. 9—96155
Yudintsev, E.M. *see* Kiseleva, K.A. 9—52051
Yudkovich, I.Sh. *see* Klibanov, L.I. 9—75548
Yudovich, L.A. *see* Besprozvannaya, A.S. 9—53617
Yudovich, L.A. *see* Pushkova, G.N. 9—62656
Yudovich, V.B. *see* Voronov, G.N. 9—74475
Yudovich, V.I. *see* Barkovskii, Yu.S. 9—90262
Yudow, B. *see* Talib, A. 9—61958
Yue, G.K. A quick method for estimating the equilibrium size and composition of aqueous sulfuric acid droplets 9—66767
Yue Zeng-Yuan Propagation and evolution of waves in the self-gravitational medium 9—80211
Yue Zengyuan Nonlinear self-consistent theory of tightly wound density waves 9—101206
Yue Zong-wu, Tang Ju-fei The test of SLAC method using Lee model 9—80757
Yue-Chau Wong *see* Ruby, L. 9—76017
Yue-ying Cheng *see* Cheng Yue-ying
Yuechan Lin *see* Lin Yuechan
Yuehua Lu *see* Lu Yuehua
Yuen, A. *see* Leverant, G.R. 9—52366
Yuen, E. *see* Lytton, D.G. 9—74605
Yuen, H.C., Lake, B.M. A new model for nonlinear wind waves. II. Theoretical model 9—77154
Yuen, H.C. *see* Cheng, V.K.C. 9—67804
Yuen, P. *see* Banerjee, S. 9—82017
Yuen, P.C. *see* Najita, K. 9—70756
Yuen, P.S., Nyburg, S.C. The matching of rigid bodies; A program using Kabsch's procedure 9—50930
Yuferev, V.S. *see* Alferov, Zh.I. 9—91133
Yuferev, V.S. *see* Belyaevskii, A.I. 9—84597
Yuferov, D.V. *see* Petrunov, V.S. 9—78999
Yuga, A.I. *see* Frantsevich, I.N. 9—70019
Yuge, Y. *see* Murase, C. 9—85089
Yuh-Kang Pan *see* Bachler, V. 9—91918
Yuhara, S. *see* Funada, T. 9—81030
Yuhara, T. *see* Ohba, K. 9—50781
Yuhas, D.E. *see* Kessler, L.W. 9—55279, 9—64461
Yuhas, M.P., Lazarus, D. Hydrostatic-pressure studies of the electrical resistivity in the concentrated-spin-glass system $Cu_{75}Mn_{25}$ 9—69685
Yuhuan Xu *see* Xu Yuhuan
Yukalov, V.I. Excitation of spin-helicon waves in sodium and potassium 9—95435
Yukalov, V.I. Bose condensation into a state with finite momentum 9—97300
Yukhanov, V.A. Effect of strain aging on the strength and toughness of pearlitic housing steel 9—57028
Yukhimuk, A.K. *see* Makarenko, V.N. 9—96877
Yukhnovskii, I.R. Partition function of the three-dimensional Ising model 9—71381
Yukitomo, K. *see* Yokoyama, S. 9—60927
Yukov, E.A. *see* Ageev, V.P. 9—94221
Yukovskii, P.V., Stelmakh, V.F., Tkachev, V.D. Dependence of Si amorphisation of low-energy irradiation conditions 9—60408
Yukutake, T. *see* Kawamura, M. 9—70737
Yul Kwon, O., Catania, P.J. Government incentive policies for solar energy with special reference to Canada 9—57393
Yul'berdin, Yu.E. *see* Logginov, A.S. 9—59733

Yuldashbaev, T.S. *see* Baiburina, S.G. 9—80156, 9—80170

Yule, D.F., Gardner, W.R. Longitudinal and transverse dispersion coefficients in unsaturated Plainfield sand 9—53382

Yulek, G., Soydan, E. Determination of gonadal dose in diagnostic radiology in Turkey 9—79655

Yulpatov, V.K. *see* Belyantsev, A.N. 9—82619

Yum Tong Lee, Salem, S.L. LIMITS—a fast Monte Carlo code for system reliability 9—49783

Yumiyama, M. *see* Hirama, T. 9—50788

Yumoto, K. *see* Saito, T. 9—66887

Yumoto, Y. *see* Yamamoto, H. 9—83925

Yun, D. *see* Sebastian, K.J. 9—71245

Yun, K.S. *see* Wilhelm, S.M. 9—91093

Yun, Y.H., Feller, S.A., Bray, P.J. Correction and addendum to 'Nuclear magnetic resonance studies of the glasses in the system Na_2O-B_2O_3-SiO_2' 9—87325

Yun Kim Seong *see* Seong Yun Kim

Yun Wang *see* Wang Yun

Yun Zhu *see* Zhu Yun

Yun-Feng Cui *see* Cui Yun-Feng

Yun-hua Zhou *see* Zhou Yun-hua

Yun-long Ge *see* Ge Yun-long

Yun-ming Chen *see* Chen Yun-ming

Yun-Peng Fu *see* Fu Yun-Peng

Yun-sheng Zhou *see* Zhou Yun-sheng

Yun-Tai Chen *see* Chen Yun-Tai

Yunak, V.A. *see* Murashko, R.E. 9—100098

Yund, E.W. *see* Efron, R. 9—88082

Yunda, N.T. *see* Rudenko, V.N. 9—79209

Yung, D. *see* Lorenz, J.J. 9—81882

Yung, K. *see* Bromberg, C. 9—54438, 9—89199, 9—89200

Yung, S.C., Wilburn, N.P. Effect of power skew on the FTR TOP accident 9—54481

Yung, Y.L., McElroy, M.B. Fixation of nitrogen in the prebiotic atmosphere 9—58096

Yung Su Tsai Leptonic decay of heavy leptons 9—71775

Yung Y. Liu, Meyer, J.E., Argon, A.S. Theoretical analysis of pellet-cladding mechanical interaction 9—93699

Yung-An Chao A new approach to the adjustment of group cross sections fitting integral measurements 9—93679

Yung-Chang Lee Resonance fluorescence of crystalline solids 9—56844

Yung-Li Wang *see* Jafarey, S. 9—78282

Yung-Li Wang *see* Rauchwarger, K. 9—73653

Yung-Nien Huang *see* Huang Yung-Nien

Yung-Yi Tu, Blakely, J.M. Chlorine adsorption on the low index surfaces of silver: energetics and structures 9—82440

Yunga, S.L. *see* Nikitin, L.V. 9—79744

Yungel'son, L.R. *see* Kraicheva, Z.T. 9—97037

Yungelson, L.R. *see* Massevitch, A.G. 9—84789

Yunkerov, Yu.I. Analysis of measurement errors of convective heat-transfer coefficient using a thin-walled heat-flux sensor 9—94463

Yunosov, M.Yu. *see* Ismatov, A.A. 9—65711

Yunusov, M.S., Makhkamov, Sh., Mirzaev, A. Dissociation of rhenium centers in silicon 9—90997

Yunusov, M.S., Tursunov, N.A. Investigation of photon- and carrier-capture cross sections of ruthenium levels in silicon 9—90995

Yunusov, M.S. *see* Azimov, S.A. 9—51314, 9—91099

Yuochunas, Y.G. *see* Chikazwa, S. 9—87228

Yuochunas, Y.G. *see* Miyako, Y. 9—56546, 9—78403

Yuping Kuang *see* Kuang Yuping

Yupko, V.I., Kuz'mina, T.I., Ivanets, V.N. Spreading of liquid nickel over commercial α-SiC single crystals 9—86962

Yura, H.T. Optical phase and scintillation at AMOS: comparison between observation and prediction 9—53524

Yura, H.T. Signal-to-noise ratio of heterodyne lidar systems in the presence of atmospheric turbulence 9—100949

Yura, T. *see* Kitajima, T. 9—62702

Yurakov, Yu.A. *see* Domashevskaya, E.P. 9—87008

Yuras, S.F. *see* Aristov, E.M. 9—98832

Yuratich, M.A. Effects of laser linewidth on coherent antiStokes Raman spectroscopy 9—89012

Yuratich, M.A. *see* Cotter, D. 9—76753

Yurchak, B.S. *see* Skhirtladze, G.I. 9—88404

Yurchak, R.P., Khromov, A.V. Improved apparatus for measuring thermal properties of electrically conducting materials at high temperature 9—86326

Yurchenko, A.I. *see* Sazhin, S.G. 9—52592

Yurchenko, D.S., Vasilenko, K.T., Demin, A.A., Pomerantsev, G.B., Samarkin, A.A., Skorikov, N.V., Tverdovskii, N.D., Shkol'nik, V.S. Operating experience of the BN-350 fast reactor (1972-1977) 9—97868

Yurchenko, E.I. *see* Pogutse, O.P. 9—98890

Yurchenko, I.I. *see* Dmitrenko, I.M. 9—71526

Yurchenko, S.E., Rozenblat, M.A. Delay in the motion of magnetic bubbles 9—91269

Yurchenko, V.M. *see* Naberezhnykh, V.P. 9—69584

Yurchenko, V.S., Pasechnik, V.A., Kuznetsova, N.N., Rozhetskaya, K.M., Solov'eva, L.Ya., Samsonov, G.V. Hydration of crosslinked carboxylic copolymers and the peculiarities of their three-dimensional structure 9—55678

Yurchikov, E.E. *see* Sagaradze, V.V. 9—52197, 9—66050

Yurchikov, E.E. *see* Shur, Ya.S. 9—70176

Yurenkov, V.K. Combined magnetization of parts by rectified single half-period fields 9—52575

Yur'ev, B.P., Shkuryakova, S.N., Petrova, L.N. Electrolytic production of cadmium-iron powders of predetermined composition 9—70014

Yur'ev, V.G. *see* Baksht, F.G. 9—77430, 9—77431

Yur'ev, V.G. *see* Dyuzhev, G.A. 9—64951, 9—64953

Yurevich, F.B. *see* Rolin, M.N. 9—72991

Yurgyalyavichene, I.Ch. Basic laws governing long-term fluctuations in groundwater discharge of rivers in Lithuania 9—92554

Yurij, C., Vekhov, A. On the principles of physical modelling of macroparticle impact with meteoritic velocities 9—52049

Yurin, G.G. *see* Materikin, V.L. 9—51238

Yurina, O.M. *see* Kleshchev, A.S. 9—52250

Yurishchev, M.A. To the theory of double Ising chains. A model in an external field 9—82735

Yurkevich, V. *see* Madzhulis, I. 9—91381

Yurkevich, V.E., Marvan, M., Rolov, B.N. Thermodynamic theory of finite ferroelectric crystals with surface energy 9—56741

Yurkin, A.V. *see* Skurin, L.I. 9—98752

Yurkin, Y.T. *see* Gal'per, A.M. 9—80133

Yurkov, A.V. *see* Polyanskii, A.F. 9—86461

Yurkov, A.V. *see* Skurin, L.I. 9—68743

Yurkov, L.I. *see* Vorob'eva, V.B. 9—100402

Yurkov, S.I. *see* Ershov, N.N. 9—99933

Yurkovskii, B., Rozvadovskii, S. Computation of elastomer longevity 9—96131

Yurolkov, Yu.A., Puchkovskaya, G.A., Stolyarov, V.M. Measurement of surface polariton spread length by means of DCIR modified method 9—73566

Yurova, L.N., Polyakov, A.A., Rukhlo, V.P., Titarenko, Yu.E., Bobrov, S.A. Possibilities of ^{233}U accumulation in VVER-type reactors with minimum formation of ^{232}U 9—71923

Yurova, L.N., Rukhlo, V.P., Bobrov, S.A., Polyakova, A.A., Titarenko, Yu.E. Study of the neutron-physical parameters of a VVER lattice with 6.5% uranium enrichment 9—63738

Yurova, L.N. *see* Shmelev, A.N. 9—59166

Yurovitskii, L.E. *see* Belomestnyi, V.A. 9—52598

Yurovskaya, L.I. *see* Dubinsky, B.A. 9—96909

Yurshin, B.Ya. *see* Beterov, I.M. 9—66326

Yurshina, N.I. *see* Beterov, I.M. 9—66326

Yurtaeva, E.M. *see* Belov, A.G. 9—91494

Yurtsever, E. Minimum basis sets of Slater-transform-Preuss functions for the first row atoms 9—59343

Yurtsever, E., Hinze, J. The Hellmann-Feynman theorem for open-shell and multiconfiguration SCF wave functions 9—89591

Yurtsever, E. *see* Hinze, J. 9—63891

Yurukova, L.S. *see* Pavlov, S.K. 9—65941

Yuryatin, E.N. *see* Gorev, V.S. 9—68146

Yuryavichene, M.I. *see* Perene, N.S. 9—91586

Yuryshev, N.N. *see* Bashkin, A.S. 9—89902, 9—89903

Yusa, H. *see* Asakura, Y. 9—93714

Yusa, H. *see* Chino, K. 9—59215

Yusa, H. *see* Kikuchi, M. 9—89376

Yusa, H. *see* Kitamura, M. 9—85638

Yushankhai, V.Yu. *see* Fedyanin, V.K. 9—61085

Yushchenko, K.A. Welded structural materials for LNG storage and transportation systems 9—70133

Yushchenko, K.A., Reed, R.P. Investigations of steels and welds properties according to the USSR/USA cooperation program. II 9—61736

Yushchenko, K.A. *see* Kvasnevskii, O.G. 9—66128

Yushchenko, V.I. Influence of errors in mutual angular orientation of coordinate systems on conversion of vector managements 9—97345

Yushchenko, V.I. *see* Bugrov, E.A. 9—71413

Yushin, A.S. *see* Alferov, Zh.I. 9—64346

Yushin, A.S. *see* Gur'yanov, A.N. 9—64345

Yushin, N.K. *see* Agishev, B.A. 9—69564, 9—95710

Yushin, Yu.Ya. *see* Solov'ev, L.D. 9—71671

Yushina, L.R. *see* Babad-Zakhryapin, A.A. 9—96206

Yushkanov, A.A. *see* Pasternak, V.E. 9—82022

Yushkevich, P.M. *see* Krishtal, M.A. 9—87650

Yushkievich, Yu.V. *see* Alkhazov, G.D. 9—75957

Yushkina, T.V. *see* Pokryvaylo, N.A. 9—94746

Yushko, K.B. *see* Grasyuk, A.Z. 9—89965

Yushko, K.B. *see* Zapol'skii, A.F. 9—98409

Yushmanova, O.O. *see* Fel'zenbaum, A.I. 9—100857

Yusifov, F.K. *see* Abdullaev, R.M. 9—69362, 9—69366

Yusim, G.V. *see* Dem'yanenko, T.V. 9—97377

Yusoff, M., Close, D.J. Transient and steady-state considerations of solar air heaters 9—62042

Yussouff, M. *see* Ramakrishnan, T.V. 9—77718

Yust, M. *see* Ury, I. 9—64242

Yusubov, F.M. *see* Pakhalov, V.B. 9—88997

Yusupbekova, S.A. *see* Arifov, L.Ya. 9—75814

Yusupov, A. *see* Saidov, M.S. 9—66003

Yusupov, D.B. *see* Shirkin, A.S. 9—81488

Yusupov, P. *see* Bagraev, N.T. 9—95378

Yuta, S., Nakajima, M. Tomography 9—70688

Yuta, S. *see* Itoh, K. 9—92309

Yuta, S. *see* Tamaki, N. 9—57733

Yutlandov, I.A. *see* Kachalkin, A.K. 9—94866

Yutsis, G.A. *see* Mikalkevichyus, M.P. 9—65950

Yuzawa, G. *see* Ueyama, N. 9—91665

Yuzbekov, R.A. *see* Saridzhanov, K.A. 9—50611

Yuzhakov, I.V., Kalugin, Yu.K., Yampol'skii, G.Ya., Rybin, V.I., Rybanov, G.L. Automatic device for discrete batching of small amounts of abrasive suspension in abrasion tests 9—87782

Yvon, K. *see* Chevrel, R. 9—65056

Yvon, K. *see* Didisheim, J.-J. 9—73334

Yvon, P. *see* Chabert, A. 9—72110

Zaal, G.J., Hogervorst, W., Eliel, E.R., van Leeuwen, K.A.H., Blok, J. A high resolution study of the transitions $4f^7 6s^2 \rightarrow 4f^7 6s6p$ in the EuI-spectrum 9—54790

Zaalberg, R.J., Dautzenberg, J.H., Klostermann, J.A. Deformation and recrystallization textures in copper and other metals formed by dry sliding against steel 9—91698

Zaalouk, M.G., Biggs, W.M. Design considerations for in-plant fuel storage 9—67916

Zababakhin, E.I. Instability of unbounded accumulation 9—88867

Zabaev, V.N. *see* Vorob'ev, S.A. 9—61280

Zabalgogeazcoa, X. *see* Jobst, W. 9—50479

Zabaluev, Y.V. Management of radionuclides from reprocessing plant gaseous effluents 9—76078

Zabashta, Yu.F. Interpretation of the results of acoustical experiments for oriented polymers 9—94927

Zabawa, C.F. Microstructure of agglomerated suspended sediments in Northern Chesapeake Bay estuary 9—53336

Zabdyr, L. Thermodynamic properties of intermetallic compounds. Free energy and heat of formation of CdSb 9—77768

Zabel, H., Peisl, J. The incoherent phase transitions of hydrogen and deuterium in niobium 9—73304

Zabel, T.H. *see* Fewell, M.P. 9—67651

Zabelin, V.A. *see* Malamed, E.R. 9—50404

Zabelin, V.A. *see* Skvortsov, Yu.S. 9—71524

Zabelina, I.A., Neuimina, E.G. Threshold observation of distant lights 9—83781

Zabello, E.I. *see* Vashchuk, V.I. 9—50317

Zabierowski, M. *see* Grabinska, T. 9—84872

Zabil'skii, V.V., Ismagilov, M.M., Sarrak, V.I., Suvorova, S.O., Obukhov, N.S. Effect of stress tempering on the mechanical properties and the endurance of spring wire and springs 9—66085

Zabil'skii, V.V., Sarrak, V.I., Suvorova, S.O. Role of relaxation phenomena in volume changes during the tempering of steels 9—100176

Zabirov, F.G. *see* Zabirov, G.A. 9—52602

Zabirov, G.A., Zabirov, F.G. The NVM-5 nanowebermeter and its use for obtaining defect records 9—52602

Zablocki, C.J. *see* Davis, P.M. 9—92629

Zablotskaya, N.S., Koval'-Guk, Yu.B., Sharnopol'skaya, E.T. Linear heat transfer in the wall of a compact heat exchanger 9—98594

Zabluda, V.V. *see* Burlakova, R.F. 9—69815

Zabludovskii, V.A. *see* Krivusha, Yu.V. 9—52164

Zabolitzky, J.G. Three-body Bethe-Faddeev equations and single-particle potentials in nuclei 9—97684

Zabolitzky, J.G. *see* Sommer, B. 9—49016

Zabolotnyi, V.F. *see* Antyukh, E.V. 9—62750, 9—96916

Zabolotskii, A.A., Salibekov, S.E., Kantsevich, I.A., Lyuttsau, V.G., Fadyukov, E.M. Effect of processing factors on some properties of Silumin/silicon-carbide-fiber composite materials 9—70020

Zabolotskii, A.A., Sledkov, V.K., Sakharov, V.V., Salibekov, S.E. Evaluation of fiber strength by the dry bundle method 9—100312

Zabolotskii, A.A. *see* Portnoi, K.I. 9—61508

Zabolotskii, V.I. *see* Shel'deshov, N.V. 9—91970

Zaborenko, K.B. *see* Os'kina, T.E. 9—61547

Zaborovskii, L.A. *see* Vagin, L.N. 9—76643

Zaborovskii, O.R. *see* Ermolov, I.N. 9—52571

Zabotka, A.I. Investigation into laws governing deformation of refractory ceramics. II. Analysis of deformation curves 9—90716

Zabransky, B.J. *see* Lloyd, E.L. 9—66488

Zabransky, Z. *see* Nikolov, I. 9—52925

Zabrodskii, S.S., Kovenskii, G.I., Fruman, T.E. Influence of packing on the expansion and structural zones of pseudofluidized layers 9—68556

Zabud'ko, L.M. *see* Proshkin, A.A. 9—76090

Zabudskii, I.P., Molochnikov, B.I., Bakhshieva, G.F., Mironova, L.N., Ol'khovskii, M.V. GSI—an infrared goniometric refractometer 9—71513
Zabulueva, E.V. *see* Leikin, G.A. 9—70974
Zacas, M. *see* Reik, G. 9—84235
Zaccai, G. Application of neutron diffraction to biological problems 9—62417
Zaccone, H. *see* Abrams, G.S. 9—89149, 9—89174
Zaccone, H. *see* Chilingarov, A. 9—54365, 9—54368
Zacek, F. *see* Musil, J. 9—52406
Zacek, J. *see* Boos, E.G. 9—49548, 9—67611
Zachara, A. *see* Szaniawski, A. 9—64768
Zachara, S. The vibronic and infrared spectra of europium dibenzoylmethane chelate with piperidine 9—82981
Zachara, S. *see* Kwiatkowski, E. 9—61413
Zacharias, K. *see* Gajewski, H. 9—55463
Zachariasen, F. *see* Anishetty, R. 9—93293
Zachariasen, F. *see* Lewis, H.W. 9—97821
Zacharko, W. *see* Kubiak, R. 9—91579
Zacharov, V. Data transfer in on-line systems 9—89571
Zachary Jacobson, J. *see* Searle, C.L. 9—50528
Zachmann, D.W. Nonlinear analysis of a twisted axially loaded elastic rod 9—72811
Zacs, Yu.B. *see* Naidenova, G.P. 9—57268
Zadgaonkar, A.S. *see* Tarnekar, M.G. 9—74508
Zadgorska, Z. *see* Krasnobaeva, N. 9—87922
Zadirienko, I.M. *see* Dianov, D.B. 9—64481
Zadnipryanyi, I.V. *see* Sivukha, N.I. 9—92436
Zadokhin, B.S., Kaplyanskii, A.A., Markov, Yu.F., Barta, C. Thermal softening of a mode on the Brillouin zone boundary in Raman scattering spectra of Hg_2I_2 crystals 9—73948
Zadokhin, B.S. *see* Barta, C. 9—99337
Zadokhin, B.S. *see* Gamarts, E.M. 9—99888
Zadokhin, G.I. *see* Golovin, A.E. 9—97925
Zadoo, T.K. Mass-splitting sum rules for the charmed baryons 9—89083
Zadoo, T.K., Ahmad, M., Handoo, B.B. Magnetic dipole moments of charmed baryons and the magnetic quarks 9—97573
Zadorozhnii, A.I. *see* Bogomolov, V.N. 9—61378
Zadorozhnyi, V.G., Polishchuk, S.G., Rafalovich, D.M. Determining utilisation factor of polymer material during deposition of coating in vacuum 9—66008
Zadorozhnyy, A.M., Ginzburg, E.I. Seasonal variations of the turbulent diffusion coefficient in the mesosphere and lower thermosphere 9—53424
Zadrozny, M. *see* Antonowicz, D. 9—68950
Zadvornyi, L.I. *see* Zhurakovskii, E.A. 9—94954
Zaets, E.A. Improving metrological provisions for water conservation 9—96495
Zaets, N.F. *see* Alekseeva, V.G. 9—69532
Zaets, N.F. *see* Trifonov, V.I. 9—51630
Zaetz, V.G. *see* Berge, J.P. 9—71741
Zaev, P.N., Soichenkov, A.F. Rack for calibrating torquemeters 9—80610
Zafar, M. *see* Aziz, T. 9—80790
Zafar, M.S. *see* Saleh, M. 9—73524
Zafar Iqbal, M., Murtaza, G., Nayyar, A.H. Three-dimensional solitons in ferromagnets 9—82741
Zaffar, M. *see* Safdar, M. 9—91811
Zafiratos, C. *see* Bartlett, D.F. 9—97549
Zafiratos, C.D. *see* Alford, W.P. 9—63574, 9—75852
Zafiratos, C.D. *see* Anderson, R.E. 9—67733
Zafiriou, O.C., True, M.B. Nitrite photolysis as a source of free radicals in productive surface waters 9—62522
Zafirova, B.S., Peeva, R.A., Zartov, G.D. Interference filters with quarter-wave optical thickness of central layer 9—64316
Zafirova, B.S. *see* Antonova, K.T. 9—64315
Zagainova, L.I., Klimusheva, G.V., Kurmei, N.D. A spectral study of the distribution of noncentralsymmetric impurity molecules in the solid of central symmetric molecules 9—82253
Zagainova, L.I., Klumusheva, G.V., Kurmei, N.D., Soroka, G.M. On the energy spectrum of the impurity molecular crystals 9—78720
Zagar, V. *see* Kind, R. 9—99313
Zagefka, H.D. *see* Schollhorn, R. 9—65052
Zago, J.V. *see* Bhatnagar, R.K. 9—77041
Zagolovich, G.P. *see* Storonkin, A.V. 9—96014
Zagolovich, G.P. *see* Vasilkova, I.V. 9—96015
Zagorel'skii, V.I. *see* Ploshai, L.L. 9—76745
Zagorel'skii, V.I. *see* Torochkov, V.Yu. 9—72694
Zagorodnyaya, N.V., Koval'chuk, P.S. Induced oscillations of nonconservative elastic systems when passing through the resonance 9—98654
Zagorski, A., Nazarewicz, W., Sukiennicki, A., Ferchmin, A.R. Surface disorder: a possible source of magnetism in alloys 9—56487
Zagorski, Z.P. *see* Malinski, T. 9—95200
Zagorskii, Ya.T. Precision voltage and current source [for thermoelectric transducer calibration] 9—80605
Zagorskii, Ya.T. *see* Gel'man, M.M. 9—76731
Zagoura, C.G., Kazantzis, P.G. Three-dimensional periodic oscillations generating from plane periodic ones around the collinear Lagrangian points 9—58236
Zagouras, C.G. *see* Kazantzis, P.G. 9—84647
Zagrebnov, V.A., Pastur, L.A. Singular interaction potentials in classical statistical mechanics 9—71354
Zagrebnov, V.A. *see* Brankov, J.G. 9—63124
Zagrodzinski, J. Particular solutions of the sine-Gordon equation 2+1 dimensions 9—85211
Zagustin, A.I., Zagustin, E.A., Ikeda, G. Numerical results for shear and moments in a simply supported plate by the hydrodynamic analogy 9—64524
Zagustin, E.A. *see* Zagustin, A.I. 9—64524
Zahalak, G.I., Heyman, S.J. A quantitative evaluation of the frequency-response characteristics of active human skeletal muscle in vivo 9—96594
Zaharescu, M. *see* Tsois, N. 9—90475
Zahavi, E. Stochastic approximation to multiple scattering in clouds 9—80012
Zahn, G. *see* Lehmann, W. 9—58730
Zahn, J.-P. *see* Latour, J. 9—55404
Zahn, U.von *see* von Zahn, U.
Zahn, W., Dettmann, F. Critical currents of Nb-NbO_2-Pb tunnel junctions with high normal resistance 9—56399
Zahorski, S. On finite amplitude shear waves in viscoelastic fluids 9—60024
Zahorski, S. Plane shear waves in viscoelastic fluids as motions with proportional stretch history 9—64613
Zahorski, S. Viscoelastic properties in axially symmetric squeeze-film flows 9—98764
Zahra, A., Zahra, C.Y., Laffitte, M., Lacom, W., Degischer, H.P. Decomposition processes in an Al-5%Zn-1%Mg alloy. I. Calorimetric investigations 9—74165
Zahra, C.Y. *see* Zahra, A. 9—74165
Zahradnik, C. *see* Leung, R.C. 9—77690
Zahradnikova, H. *see* Zelinger, J. 9—57047
Zaichenko, A.K., Ol'khovskii, V.S. On investigation of the multichannel resonances nature on the basis of the combined Hamiltonian and S-matrix methods 9—63645
Zaichenko, V.V. *see* Borokhovich, A.I. 9—52584
Zaichikov, S.G. *see* Fialkov, A.S. 9—91600
Zaichko, V.V. *see* Bletskan, N.I. 9—78867
Zaid, E.G. *see* Gracheva, G.G. 9—55240
Zaidi, H.R. Inelastic collisions and fluorescence in gases 9—98129
Zaidi, H.R. A propagator approach for the calculation of nonlinear susceptibilities 9—98436
Zaients, S.L., Kichaeva, G.S., Kuchinskii, G.S., Lysakovskii, G.G., Popov, P.G., Popova, V.A., Shilin, O.V., Shneerson, G.A. Problems in the development of capacitive energy stores with improved service life 9—81089
Zaika, N.I., Kibkalo, Yu.V., Mokhnach, A.V., Nemets, O.F., Semenov, V.S., Tokarev, V.P., Shmarin, P.L. α-particle elastic scattering from actinide nuclei at energies of 19 to 27 MeV 9—67800
Zaika, N.I., Semenov, V.S., Shmarin, P.L., Kozyr, V.V., Matusevich, V.A., Chernov, I.P. An experimental test of the Barshay-Temmer theorem on the $^3H(^3He, d)^4He$ reaction at 25 MeV 9—80949
Zaikin, A.D. *see* Zharkov, G.F. 9—93179
Zaikin, V.M. *see* Arutyunyan, A.A. 9—77119
Zaikov, V.P. *see* Dmitriev, I.S. 9—86054
Zaikova, V.A. *see* Filippov, B.N. 9—87281
Zaikova, V.A. *see* Tiunov, V.F. 9—51801
Zaima, S., Suzuki, Y., Goto, S. Studies on the accuracy in drilling of aluminium 9—100181
Zaimovskii, A.S. Zirconium alloys in nuclear power 9—97813
Zaimovsky, V.A. *see* Bernshtein, M.L. 9—96020
Zainullin, R.I. *see* Avatkov, O.N. 9—98172
Zair, E., Sinvani, M., Levy, B., Greenfield, A.J. Experimental evidence for the existence of remanent superconductivity in aluminium and its effect on the temperature dependence of the normal phase resistivity 9—56362
Zaitov, F.A., Gorshkov, A.V., Shalyapina, G.M. Model of the defect structure of semiconducting CdTe-HgTe solid solutions 9—95213
Zaitov, F.A., Polyakov, A.Ya. Influence of electron irradiation on the electrical properties of and recombination in indium antimonide 9—51584
Zaitsev, A.A. *see* Fedorchuk, N.M. 9—52144
Zaitsev, A.A. *see* Gabeskiriya, V.Ya. 9—71938
Zaitsev, A.F., Zazhigin, A.S., Tyurin, V.A., Lebedev, G.T. Automatic systems for measuring total lack of airtightness 9—52593
Zaitsev, A.I. *see* Serikov, M.I. 9—95973
Zaitsev, A.L. *see* Ivanov-Kholodny, G.S. 9—96939
Zaitsev, A.M. *see* Dzhelyadin, R.I. 9—67556
Zaitsev, A.M. *see* Golovkin, S.V. 9—89212
Zaitsev, A.M. *see* Victorov, V.A. 9—67546
Zaitsev, A.V. *see* Artemenko, S.H. 9—73641
Zaitsev, A.V. *see* Artemenko, S.N. 9—56435, 9—78273
Zaitsev, B.D. Influence of nonstoichiometry on the attenuation of acoustic waves in magnesium aluminate spinel crystals 9—65146
Zaitsev, B.L. *see* Seregin, E.I. 9—52568
Zaitsev, G.G. *see* Barabanov, V.N. 9—70254
Zaitsev, G.P. *see* Serensen, S.V. 9—61725
Zaitsev, G.Z., Yatsenko, V.K. Effects of stress concentration on fatigue strength on steel during two-frequency loading 9—52347
Zaitsev, R.O. *see* Pushkina, N.I. 9—86841
Zaitsev, S.G., Favorskaya, I.K., Chistyakov, Yu.A. Stabilization of plasma flow in a transverse magnetic field 9—64839
Zaitsev, S.M., Zhavoronko, G.P., Kupriyanov, M.F., Smotrakov, V.G. X-ray structural investigation of Pb_2NbYbO_6 9—65060
Zaitsev, S.V., Kuzali, A.S., Chekan, A.V. Phase distributions along the emitting aperture of a thin-film optical waveguide: experimental study 9—55226
Zaitsev, S.V., Kuzali, A.S., Chekan, A.V. Controlled correction of phase distribution of the field along a thin-film optical waveguide with a diffraction grating 9—76850
Zaitsev, V.I., Barbashov, V.I., Dulin, M.A., Tkachenko, Yu.B. Mobility of screw dislocations in hydrostatically compressed NaCl crystals 9—69109
Zaitsev, V.I., Lyafer, E.I., Fomchenko, V.A. Influence of compression anisotropy effects on Zn creep 9—83275
Zaitsev, V.I. *see* Akimov, G.Ya. 9—96102
Zaitsev, V.I. *see* Khan'zhin, P.S. 9—70287
Zaitsev, V.I. *see* Presnyakova, O.V. 9—66070
Zaitsev, V.M. *see* Alekseev, E.G. 9—63676
Zaitsev, V.N. *see* Gordeev, Yu.M. 9—100305
Zaitsev, V.V., Zverevskaya, E.Yu., Klimov, V.D. Electrical properties of the positive column of a glow discharge in pure fluorine 9—50916
Zaitsev, V.Ya. Estimate of the separation factor of boron in Si 9—86926
Zaitsev, Yu.I. *see* Buglaev, V.T. 9—85137
Zaitsev, Yu.I. *see* Gelikonov, V.M. 9—98420
Zaitsev, Y.M. *see* Bayukov, Y.D. 9—85475, 9—93623
Zaitsev, Yu.M. *see* Bayukov, Yu.D. 9—49538
Zaitsev-Zotov, S.V. *see* Protasov, E.A. 9—73623
Zaitseva, E.G. *see* Baiburina, S.G. 9—80156, 9—80170
Zaitseva, L.Ya. *see* Lavygin, I.A. 9—86830
Zaitseva, N.A., Feigelson, E.M. The peculiarities of the radiative heat exchange in the tropics from GATE radiometer sounding data 9—84476
Zaitseva, N.V. *see* Bokov, V.A. 9—65699
Zaitseva, N.V. *see* Larin, G.V. 9—52519
Zaitseva, R.D., Perkas, M.D. Variation in the electrical resistance during the heating of Fe-Ni-V alloys 9—70177
Zaitseva, R.D. *see* L'vov, Yu.B. 9—79104
Zaitsevskii, I.L., Konakova, R.V., Tkhorik, Yu.A., Shakhovtsov, V.I. Study of microplasma breakdown by means of a modulation method 9—91140
Zajac, G., Ignatiev, A. Relationship of optical degradation to surface morphology changes in solar absorbers 9—79401
Zajac, G. *see* Ignatiev, A. 9—52036
Zajac, M. *see* Pietraszkiewicz, K. 9—72504
Zajaczkowski, J., Lipinski, J. Instability of motion of a beam of periodically varying length 9—81758
Zajaczowksi, J., Lipinski, J. Vibrations of parametrically excited systems 9—80425
Zajec, E. *see* Barale, J.J. 9—72186
Zajec, E. *see* Chupp, W. 9—72039
Zajicek, G., Maayan, Ch., Rosenmann, E. Digital picture analysis of the renal tubulus 9—70712
Zajicek, G. *see* Maayan, Ch. 9—79679
Zajicek, J. *see* Jirak, Z. 9—61061
Zak, J. Perturbed crystals in the k q representation. IV. The homogeneous electric field 9—69386
Zak, J. *see* Levitan, E. 9—74748
Zak, M. Dynamics of film 9—68568
Zakaria, A. *see* Rosenheck, K. 9—62185
Zake, M.V., Kovalev, V.N., Liyepinya, V.E., Mel'nikov, V.K. Heat and mass transfer in high-temperature oxidation of metals 9—83369
Zake, M.V., Liyepinya, V.E. Non-equilibrium in the initial zones of single- and two-phase (with metal particles) submerged argon plasma jets 9—82102
Zake, M.V., Mel'nikov, V.K., Kovalev, V.N. Heat transfer to a chemically-reacting plate under conditions of unsteady-state heating 9—81697
Zakerullah, M., Ackroyd, J.A.D. Laminar natural convection boundary layers on horizontal circular discs 9—77067
Zakharchenko, A.A. *see* Cherkasov, V.G. 9—75493
Zakharchenko, I.V. *see* Belyi, M.U. 9—78753
Zakharchenko, V.M., Mozol'kov, A.S., Shalayev, V.I. Measurement of velocity in the boundary-layer by the single-beam laser time-of-flight method 9—77298
Zakharchenya, B.P. Spin polarization induced by optical pumping in semiconductors 9—95681
Zakharchenya, B.P., Terukov, E.I., Chudnovskii, F.A., Shteingol'ts, Z.I. Study of the spatial characteristics of the output from pulsed lasers with a FTIROS material 9—68414
Zakharchenya, B.P., Terukov, E.I., Fel'k, A.K., Chudnovskii, F.A., Shteingol'ts, Z.I. Visualization of CW electromagnetic radiation with FTIROS material 9—71531
Zakharchenya, B.P. *see* Andreev, V.N. 9—65845

Zakharchuk, O.V., Potapova, T.M., Fedoseeva, O.P. Connection between spectrometric and temporal characteristics of semiconductor detectors for nulcear radiation 9—97944
Zakharenkov, V.K. *see* Gnesin, G.G. 9—69510
Zakharenkov, Yu.A. *see* Andrew, N.E. 9—55532
Zakhariev, B.N. *see* Melnikov, V.N. 9—75414
Zakhariev, Z. *see* Bliznakov, G. 9—66203
Zakharkin, I.I., Kuznetsov, V.A., Somov, I.E., Chernov, L.A. The effect of additional moderation of neutrons in a heterogeneous cell with a scatterer 9—71879
Zakharko, Yu.A., Nabatov, G.V., Pinkhasik, M.S., Cherkas, V.D. Vaporization of drops of a melt of potassium carbonate in a medium of production products 9—57290
Zakharnev, A.P., Ivanov, P.P., Murav'eva, G.I., Polevikov, M.P., Chukhnin, A.Ya. Apparatus for measuring the transfer functions of optoelectronic devices using digital data processing 9—50399
Zakharov, A.G., Fialkov, B.S. Effect of an electric field on the radial distribution of the combustion products of graphite 9—100374
Zakharov, A.K., Kornyushkin, N.A., Neizvestnyi, I.G., Ovsyuk, V.N. A quasistatic method of determining the surface potential of a semiconductor in a MOS structure 9—56323
Zakharov, A.M. Correlations between parameters of triangulation in ternary systems with isomorphic intermediate phases 9—52203
Zakharov, A.M., Li Si Khyb, Arbuzov, V.K., Mazurov, V.A. Influence of zirconium and niobium on phase composition of Mo-0.6%C alloy 9—52167
Zakharov, A.M. *see* Novikov, I.I. 9—57001
Zakharov, A.V. A kinetic theory for the growth of perturbations in an isotropic cosmological model, and the ultrarelativistic limit 9—62943
Zakharov, A.V. Effect of collisionless particles on the growth of gravitational perturbations in an isotropic world 9—101233
Zakharov, A.V., Kuznetsov, S.N. Lifetime of the Earth's radiation belt electrons and VLF emission 9—62682
Zakharov, A.V. *see* Vakulov, P.V. 9—80069
Zakharov, A.Yu. *see* Derzhiev, V.I. 9—64827
Zakharov, B.G., Sergeev, V.N. Analysis of reactions $\pi^{\pm}$ (K^-) $N \rightarrow \rho^0$ $(\bar{K}^{*0})$ X in three-Reggeon model with absorption 9—80858
Zakharov, E.I., Karpacheva, S.M. Computation and simulation methods for pulsating solvent-extraction columns 9—97882
Zakharov, E.K. *see* Vasil'ev, V.P. 9—91707
Zakharov, G.M., Nikitinskaya, T.I., Nikulin, N.M. Radiation conductivity of magnesium fluoride subjected to pulsed X-ray excitation 9—69555
Zakharov, G.M., Nikitinskaya, T.I., Nikulin, N.M., Reiterov, V.M. Activator flash of X-ray luminescence of magnesium fluoride single crystals activated with manganese 9—65958
Zakharov, L.N., Petrov, B.I., Lebedev, V.A., Kuz'min, E.A., Belov, N.V. Molecular and crystal structure of $[(CH_3)_3SiCH_2]_3SnI$ 9—65068
Zakharov, L.N. *see* Ermolaeva, E.O. 9—94443
Zakharov, M.A. *see* Gryzlov, A.V. 9—67978
Zakharov, M.I. *see* Goldina, N.D. 9—93206
Zakharov, M.S. *see* Povetkin, V.V. 9—56079, 9—60662
Zakharov, N.A., Kustov, E.F., Krikorov, V.S., Stefanovich, S.Yu., Loshchenov, V.B. Spectroscopic properties of neodymium-doped $La_2Ti_2O_7$ single crystals 9—65928
Zakharov, N.D. *see* Alekseev, A.A. 9—69154
Zakharov, N.D. *see* Patrikeev, G.A. 9—70258
Zakharov, N.D. *see* Zharkov, V.G. 9—99036
Zakharov, P.N. *see* Golubev, V.G. 9—90815
Zakharov, P.N. *see* Mokrov, A.P. 9—69300
Zakharov, S.M., Manykin, E.A. Spatial synchronism of light (photon) echo for exciting pulses with a spherical wavefront 9—64288
Zakharov, S.M. *see* Dubovitskaya, N.V. 9—65086, 9—74236, 9—87719
Zakharov, S.M. *see* Elyutin, S.O. 9—55192
Zakharov, S.M. *see* Gurevich, M.E. 9—52251
Zakharov, V.A. Measurement of the parameters of the hysteresis loop of the material of massive ferromagnetic articles using an attached device 9—63282
Zakharov, V.E., Ivanov, M.F., Shchur, L.N. Anomalously slow stochastization in some 2-dimensional models in field theory 9—89068
Zakharov, V.E., Taktadzhyan, L.A. Equivalence of the nonlinear Schrodinger equation and the equation of a Heisenberg ferromagnet 9—95563
Zakharov, V.E. *see* Belinskii, V.A. 9—93030
Zakharov, V.I., Parfilov, N.A. Influence of pH on the transparency of compound solutions of gelatine and polyvinyl alcohol and of films prepared from them 9—58830
Zakharov, V.I. *see* Vainshtein, A.I. 9—71718
Zakharov, V.K. Aspects of the application of group theory to crystallography and spectroscopy 9—60295
Zakharov, V.M. *see* Kadoshnikova, N.V. 9—91488
Zakharov, V.P. *see* Leont'ev, Yu.A. 9—78954
Zakharov, V.V. Role of dispersed intermetallic compounds in aluminum alloys 9—96088
Zakharov, V.V. *see* Chekhunov, E.V. 9—64948
Zakharov, V.Ye., Nikitin, M.A. Simulation of electric fields of magnetospheric origin in the ionosphere. I 9—62655
Zakharov, Yu.A., Kalesnikov, L.V., Cherkoshin, A.E., Baklykov, S.P. Energy-band structure and nature of some electronic transitions in lead azide 9—74053
Zakharov, Yu.A., Kolesnikov, L.V., Cherkashin, A.E. Energetics and nature of the electron bands in silver azide 9—100015
Zakharov, Ye.V. *see* Tikhonov, A.N. 9—88487
Zakharova, A.I. *see* Kondorskaya, N.V. 9—84170
Zakharova, E.A. *see* Labuntsov, D.A. 9—90310
Zakharova, G.V. *see* Andreyeva, N.Ye. 9—79468
Zakharova, K.P., Kulichenko, V.V., Mazin, E.R., Sadovnikov, Yu.N., Ukke, O.V. Fire safety and explosion proofness of the bituminization process [reactor waste storage] 9—71920
Zakharova, N.B. *see* Verenkova, E.M. 9—79151
Zakharova, N.I. *see* Rogovina, L.Z. 9—65010
Zakharova, N.M. The possibility of determining dates of change of the stratospheric circulation from limited-area data 9—58054
Zakharova, O.K. *see* Dmitriyev, V.I. 9—53300
Zakharova, V.P., Ryazanov, D.K. Neutron yields from spontaneous fission of ^{252}Cf 9—80965
Zakharyugin, B.D. *see* Movchan, V.T. 9—90234
Zakharyugina, G.F. *see* Erasova, N.A. 9—87054
Zakharyugina, G.F. *see* Gruzinov, B.F. 9—90948
Zakharzhevskii, S.I. *see* Parshikova, V.N. 9—58835
Zakhidov, R.A. Accelerated tests of coatings [solar energy concentrators optical coatings] 9—96419
Zakhidov, R.A., Vainer, A.A. Accuracy and energy characteristics of a paraboloidal heliostat system 9—83560
Zakhidov, R.A. *see* Ismanzhanov, A. 9—94319
Zakhidov, U. *see* Nizamov, N. 9—85987
Zakhs, Ed.R. *see* Kuzmin, V.A. 9—83487.
Zaki, G.M. *see* Sawan, M.E. 9—89434
Zakin, J.L., Pinaire, R., Borgmeyer, M.E. Transport of oils as oil-in-water emulsions 9—77192
Zakirov, L.B., Shilin, A.A. About the measurement accuracy in the survey of rating nets compared to the state ones 9—92476
Zakirov, R.Kh. *see* Stepanova, G.A. 9—93217
Zako, M., Miyoshi, T. Study on dispersion of strength for composite materials 9—61655
Zakoryashin, S.P. *see* Vesnin, Yu.I. 9—90760
Zakrytnyi, A.A. *see* Kovgan, S.T. 9—57175
Zakrzewski, J.A. *see* Aksinenko, V. 9—97713
Zakrzewski, M., Wiernik, R. Fatigue tester for use at temperatures prevailing in cryogenics. General interpretation of fatigue-time strength 9—74327
Zakrzewski, S. *see* Love, A. 9—69310
Zakrzewski, W.J. *see* Din, A.M. 9—71604, 9—85209
Zaks, M.I. *see* Batuner, Yu.D. 9—49324
Zakula, R.B. *see* Stamenkovic, S. 9—56742
Zakulski, W. *see* Moser, Z. 9—83176, 9—91631
Zakurdaev, A.G. *see* Ovsyannikov, B.M. 9—100255
Zalar, A. *see* Hofmann, S. 9—65347, 9—95881
Zalesak, S.T. Fully multidimensional flux-corrected transport algorithms for fluids 9—68672
Zalesak, S.T. *see* Ossakow, S.L. 9—53643
Zaleski, A. Some aspects of crystal growth in the double-jet method of photographic emulsion preparation 9—100446
Zaleski, A.J. *see* Alekseevsky, N. 9—51730
Zalesskaya, G.A. *see* Blinov, S.I. 9—54894
Zalesskaya, G.A. *see* Borisevich, N.A. 9—86002
Zalesskaya, I.M., Filatova, V.N., Gal', V.V., Rautbort, A.E., Reznikov, A.G., Usov, V.F. Structure of ZrO_2 microspheres obtained in air HF plasma 9—78917
Zalesskii, V.Yu. *see* Vinokurov, G.N. 9—64218
Zaletaev, N.B., Nikiforova, V.P., Stafeev, V.I. Injection amplification of the photocurrent in a semiinsulator with a p-n junction 9—51663
Zaletaev, S.P., Taure, L.F. Electrooptical effect in layers of indandione-1,3 derivative 9—73900
Zaletin, V.M., Protasov, I.I., Golenetskii, S.P., Mal'kovskii, A.S. Surface barrier detector based on epitaxial gallium arsenide 9—72203
Zaletin, V.M. *see* Astakhov, V.M. 9—65340
Zaletnev, A.F. *see* Borishanskiy, V.M. 9—77222
Zalewska, A. *see* Becker, H. 9—54363, 9—63533
Zalewski, E. A modern approach to accurate radiometry 9—49294
Zalewski, E.F. *see* Corrons, A. 9—67374
Zalewski, E.F. *see* Keller, R.A. 9—77437
Zalewski, K. Proposal of experimental tests for the multiple scattering nature of hadron-nucleus scattering 9—63702
Zalewski, K. *see* Chilingarov, A. 9—54365
Zalewski, K. *see* Jaroszewicz, T. 9—75930
Zalewski, K. *see* Wosiek, J. 9—80792
Zalewski, M.S. *see* Jonasz, M. 9—79876
Zalis, K. *see* Hamersky, J. 9—90917
Zallen, R. Percolation theory overview, applications, and polychromatic percolation 9—58626
Zallen, R., Conwell, E.M. The effect of temperature on libron frequencies in molecular crystals: implications for TTF-TCNQ 9—86860
Zallen, R. *see* Slade, M.L. 9—61385
Zallo, A. *see* Chilingarov, A. 9—54365, 9—54368
Zallouk, M.G. *see* Peterson, W.C. 9—59145
Zalm, P.C., Van Der Laan, J., Van Middelkoop, G. The use of single-crystal iron frames in transient field measurements 9—59324
Zalmanzon, V.B. *see* Baldin, A.M. 9—72125
Zalnov, M.A. *see* Bagaev, S.A. 9—98492
Zalogin, G.N. Rotational relaxation of nitrogen in a viscous shock layer at low Reynolds numbers 9—64703
Zalotai, L. *see* Kelley, D.F. 9—91926
Zaltsev, L.M. *see* Drozhbin, Yu.A. 9—64342
Zal'tsgendler, E.A. *see* Baykov, V.I. 9—77096
Zal'tsgendler, E.A. *see* Shul'man, Z.P. 9—68765
Zaluzny, M. Light absorption in size-quantized film of many valley semiconductor 9—83043
Zaluzny, M., Pilat, M. Two-photon absorption in size-quantized films with tilted valleys 9—95869
Zalys, E. *see* Bleher, P.M. 9—67231
Zaman, M.B. *see* Kalam, M.A. 9—52835
Zamani-Khamiri, O., Hameka, H.F. Polarizability calculations with the SCF method. I. Linear and dynamic polarizabilities of conjugated hydrocarbons and aromatics 9—98242
Zamayatnin, Yu.S. *see* Anufriev, V.A. 9—97709
Zambon, G. *see* Camuffo, D. 9—88401
Zambon, M. *see* Barbieri, C. 9—101201, 9—101215
Zambreanu, V., Zoita, V. Magnetic field measurements in a coaxial plasma accelerator 9—90474
Zambrzhitskii, V.N. *see* Kulemin, A.V. 9—91645
Zamchalova, E.A. *see* Varkovitskaya, A.Ya. 9—80147
Zamenhof, R.G., Deutsch, O.L., Murray, B.W. A feasibility study of prompt capture gamma in vivo neutron activation analysis 9—70615
Zametalin, V.V. *see* Gol'dshtik, M.A. 9—86408
Zamfir, E. *see* Bratescu, G.G. 9—59791
Zamin, M., Ives, M.B. The anodic oxidation of nickel in 1N H_2SO_4 solution 9—91849
Zamir, E., Huestis, D.L., Nakano, H.H., Hill, R.M., Lorents, D.C. Visible absorption by electron-beam pumped rare gases 9—59671
Zamolodchikov, A.B., Kopeliovich, B.Z., Lapidus, L.I., Mukhin, S.V. Antishielding phenomenon in inelastic diffraction of hadrons by nuclei 9—97734
Zamolodchikov, A.B., Monastyrskii, M.I. The Kramers-Wannier transformation for spin systems 9—95558
Zamolodchikov, A.B., Zamolodchikov, A.B. Factorized S-matrices in two dimensions as the exact solutions of certain relativistic quantum field theory models 9—93274
Zamolodchikov, A.B. *see* Zamolodchikov, A.B. 9—93274
Zamora, M. *see* Yanes, C. 9—58689
Zamorani, G. *see* Panagia, N. 9—71152
Zamorano, N. *see* Matzner, R.A. 9—67201
Zamoshkina, N.P., Sergeev, V.V., Potapova, L.V. Method for testing industrial magnets made of cobalt-rare-earth compounds 9—49260
Zamrazil, V. *see* Nemec, J. 9—83903
Zamyshlyaev, B.V. *see* Grigoryan, S.S. 9—88347
Zamyslovskii, M.G. *see* D'yakonov, M.N. 9—69418
Zana, R. *see* Lang, J. 9—62319
Zanasi, R. *see* Lazzeretti, P. 9—85916
Zanche, V.De *see* De Zanche, V.
Zanchetta, J.V. *see* Flandrois, S. 9—73122
Zanchi, I., Zupanovic, P., Gotovac, V. Microwave Hall mobility measurement 9—54154
Zanchini, E. *see* Raffellini, G. 9—62091
Zandbergen, H.W., Verschoor, G.C., Ijdo, D.J.W. The structures of thallium cadmium triiodide and dirubidium iron tetraiodide 9—69070
Zandee, L., Bernstein, R.B. Laser ionization mass spectrometry: extensive fragmentation via resonance-enhanced multiphoton ionization of a molecular benzene beam 9—54213
Zandee, L., Bernstein, R.B. Resonance-enhanced multiphoton ionization and fragmentation of molecular beams: NO, I_2, benzene, and butadiene 9—100411
Zander, A.T., Keliher, P.N. Examination of the spectral efficiency of an echelle grating monochromator 9—98461
Zander, M. Correlations between PMO localization energies and PO-MO character orders of benzenoid part systems of polycyclic aromatic hydrocarbons 9—54767
Zander, M., Zellerhoff, R.B. The UV/VIS absorption spectrum of 9,9'-dianthryl disulphide 9—59487
Zander, M. *see* Blumer, G.-P. 9—81236
Zandt, L.L.Van *see* Van Zandt, L.L.
Zanelli, C. *see* Koren, U. 9—58271
Zanelli, S. *see* Brown, R.C. 9—64805
Zanevskii, Yu.V., Ivanov, A.B., Peshekhonov, V.D., Tyapkin, I.A., Chernenko, S.P. Installation based on a proportional chamber for radiographic investigation of objects 9—67449
Zang, T. *see* Haidvogel, D.B. 9—49023
Zang, T.A. *see* Hohl, F. 9—62902
Zang-Hee Cho *see* Cho Zang-Hee
Zangemeister, W.H. *see* Bock, O. 9—88075
Zani, P. *see* Cleaver, B. 9—95065
Zanini, A. *see* Balestra, F. 9—76041

Zankel, H. Differential cross-sections for elastic p-d and n-d scattering at 10 MeV 9—71793
Zankel, H. *see* Frohlich, J. 9—49534, 9—67605
Zankel, H. *see* Streit, L. 9—67589
Zankel, H. *see* Zingl, H. *(editor)* 9—67567, 9—80880
Zanker, A. Reliability of results of analyses after multiple testing of petroleum products 9—87804
Zanker, K.S., Jung, R., Blumel, G., Stavrou, D. Influence of microwave irradiation on cultured glioma cells. I. An enzymatic and scanning electron microscopy study 9—100661
Zann, A., Dubois, J.C., Beguin, A. Frequency dielectric behaviour of meta-substituted phenylbenzoyloxybenzoates 9—91337
Zann, A. *see* Beguin, A. 9—86680
Zann, A. *see* Tinh, N.H. 9—90535, 9—90536
Zanner, F.J. Metal transfer during vacuum consumable arc remelting 9—82317
Zannetti, P., Finzi, G., Fronza, G., Rinaldi, S. Time series analysis of Venice air quality data 9—57540
Zannetti, P. *see* Finzi, G. 9—57546
Zanni, M. *see* Grueff, G. 9—58272
Zannoni, C. Mean field theory of a model anisotropic potential of rank higher than two 9—60268
Zanon, D. *see* Girardello, L. 9—58582
Zanon, I. *see* Bozio, R. 9—99869
Zanotti, L. *see* Armenise, N. 9—67536, 9—93397, 9—93398
Zanotti, L. *see* Paorici, C. 9—52095, 9—65990
Zanza, V. *see* Codastefano, P. 9—82024
Zanzottera, E. *see* Corio, W. 9—70889
Zanzucchi, P.J. Characterization of heteroepitaxial thin-film semiconductors on insulating substrates 9—82497
Zao-Xun Lu *see* Lu Zao-Xun
Zaoui, A. *see* Berveiller, M. 9—64530, 9—91671
Zapas, L.J. *see* McKenna, G.B. 9—61640
Zapata, J.P. *see* Purcell, K.F. 9—68191
Zapesochnyi, I.P. *see* Aleksakhin, I.S. 9—54822
Zapesochnyi, I.P. *see* Goldoviskii, V.D. 9—68319
Zapesochnyi, I.P. *see* Shkoba, V.B. 9—64122
Zapesochnyi, I.P. *see* Shpenik, O.B. 9—54974
Zapf, B. *see* Schmialek, P. 9—70723
Zaplatin, N.L. *see* Vasilyev, A.A. 9—54655
Zaplatynsky, I. Thermal expansion of some nickel and cobalt spinels and their solid solutions 9—73327
Zapol'skii, A.F., Yushko, K.B. Electric-discharge SF_6-H_2 laser pumped by an inductive storage unit 9—98409
Zaporozhchenko, V.A. *see* Apanasevich, P.A. 9—94230
Zaporozhets, O.I., Tikhonov, L.V. The influence of thermocyclic treatment on the anomalies of the ultrasound velocity and damping in polycrystalline chromium in Neel's temperature range 9—91282
Zaporozhets, V.M., Pasechnyi, V.A. IR absorption by the ReO_4^- impurity anion in a rbI single crystal 9—78722
Zaporozhskaya, Z.P. *see* Novikova, M.N. 9—61755
Zappala, V. *see* Scaltriti, F. 9—84727
Zappala, V. *see* Vaghi, S. 9—58292
Zapparov, K.I. *see* Galakhov, M.A. 9—94526
Zappoli, B. Transport coefficients and relaxation phenomena in vibrational nonequilibrium diatomic gases 9—98825
Zappoli, B. *see* Brun, R. 9—60073
Zapryagaev, S.A., Manakov, N.L., Palychikov, V.G. Application of the relativistic Green's Coulomb function to the calculation of correlation effects in multiply charged ions. Probability of the radiative 2^3S_1-1^1S_0 transition in He-like ions 9—97989
Zapryagaev, S.A., Palchikov, V.G., Safranova, U.I. Probability of $1s^2\ ^1S_0$-$1s2p^3p_2$ and $1s^2\ ^1S_0$-$1s2s^3S_1$ radiative transitions for ions with Z=2 to 137 9—63939
Zapryanov, Z.D. *see* Tabakova, S.S. 9—50770
Zapryanova, A., Trendafelov, D., Mehandjiev, D. Toroidal microporous silica gel 9—57305
Zaragoza, C. *see* Tejerina, F. 9—88896
Zaraichenko, Yu.N. *see* Evsyukov, F.F. 9—66247
Zarate, H.G., Timusk, T. Far-infrared absorption by electron-hole drops in germanium. Damping and size effects 9—78685
Zarcone, M. *see* Ferrante, G. 9—50856, 9—77351, 9—81248, 9—94081
Zardecki, A., Tam, W.G. Iterative method for treating multiple scattering in fogs 9—98276
Zardecki, A. *see* Chrostowski, J. 9—59746
Zardecki, A. *see* Tam, W.G. 9—50222, 9—100950
Zare, R.N. *see* Allison, J. 9—76520
Zare, R.N. *see* Kiang, T. 9—86081
Zare, R.N. *see* Lengel, R.K. 9—100407
Zare, R.N. *see* Monts, D.L. 9—98146
Zare, R.N. *see* Poliakoff, E.D. 9—98130
Zare, R.N. *see* Weber, H.G. 9—59492, 9—64022
Zarechnyuk, O.S., Kinzhibalo, V.V. Interaction between magnesium and silver and cadmium 9—56957
Zaremba, E. *see* Petzinger, K.G. 9—56683
Zaremba, E.L. *see* Boguslavskii, V.A. 9—76543
Zaremba, H. *see* Szpor, S. 9—96735
Zarembowitch, J., Gouteron, J., Lejus, A.M. Raman spectra of lanthanide sesquioxide single crystals with A-type structure 9—87440
Zaret, B.L. *see* Johnstone, D.E. 9—100714
Zaretskii, D.F. *see* Dobrynin, Yu.L. 9—59070
Zaretsky, M., Rowell, C.H.F. Saccadic suppression by corollary discharge in the locust 9—92217
Zargarova, M.I., Kakhramanov, K.Sh., Roshal', R.M. Crystallization of eutectic systems 9—52190
Zarichnyak, Yu.P., Novikov, V.V. Effective conductivity of heterogeneous systems with disordered structure 9—87075
Zaripov, A.A., Rakhimov, R.Z. Application of the periodic-action method for the accelerated determination of the resistance of polymer solutions in aggressive liquid media 9—52533
Zaripov, M.M. Quadrupole relaxation of nuclear spins in liquids 9—78548
Zaritskii, I.M. *see* Bratus', V.Ya. 9—73807
Zaritskii, I.M. *see* Konchits, A.A. 9—65721, 9—78572
Zaritskii, S.M. *see* Alekseev, P.N. 9—97751, 9—97752
Zaritsky, N. *see* Byung Chan Eu 9—72404
Zaritzky, N.E., Calvelo, A. Internal mass transfer coefficient within single bubbles. Theory and experiment 9—86487
Zarka, A. *see* Epelboin, Y. 9—50940
Zarkanellas, A.J. Oxygen-deficient and organic carbon fields expansion in Elefsis Bay, Greece 9—84299
Zarnecki, J.C. Some recent observations of supernova remnants emitting X-rays 9—58404
Zarnecki, J.C. *see* Clark, D.H. 9—84843
Zarnitsyna, I.G., Nusinovich, G.S. Theory of oscillation in CRM-tube with transverse current 9—89877
Zarochentsev, E.V., Orel, S.M., Varyukhin, V.N. Elastic constants of a stressed crystal. I. General theory 9—65137
Zarochentsev, E.V., Orel, S.M., Varyukhin, V.N. Elastic constants of a stressed crystal. II. Cubic crystal 9—82274
Zarochentsev, E.V., Safronov, V.P., Troitskaya, E.P. Cauchy relations in anharmonic crystals 9—69179
Zarochentsev, E.V. *see* Eremenko, T.M. 9—73310
Zaroslov, D.Yu., Karlov, N.V., Kaslin, V.M., Kovalev, I.O., Kuz'min, G.P., Prokhorov, A.M. Generation in the 3.3-3.6 μm band in cooled nitrogen 9—76676
Zarowin, C.B. Room temperature, plasma chemical transport deposition of metal (gold) films 9—78894
Zarowny, J. *see* Kaliski, S. 9—94276
Zarra, H. Respiratory rate monitor using an audio pick-up 9—79617
Zarrugh, M.Y., Radcliffe, C.W. Computer generation of human gait kinematics 9—74703
Zartnack, F. *see* Dunkel, W. 9—84026
Zartov, G.D. *see* Antonova, K.T. 9—64315
Zartov, G.D. *see* Zafirova, B.S. 9—64316
Zarubaĭlo, V.T. *see* Aref'ev, N.B. 9—67383
Zarubin, P.P. *see* Antropov, A.E. 9—67753
Zarvin, A.E., Sharafutdinov, R.G. Influence of a stream perturbation before the skimmer on molecular-beam parameters 9—86468
Zarwell, G.A. *see* Greenwood, L.R. 9—59310
Zarzycki, J. *see* Bandyopadhyay, A.K. 9—91543
Zarzycki, J. *see* Mukherjee, S.P. 9—61913
Zarzycki, J. *see* Pernot, F. 9—74128
Zasada, C.S., Pathria, R.K. Statistical thermodynamics of superfluid helium confined to a cuboidal enclosure below 0.5K 9—86939
Zasadzinski, J. *see* Wolf, E.L. 9—91193
Zasavitskii, I.I. *see* Dureev, D.M. 9—89909
Zasavitskii, I.I. *see* Gureev, D.M. 9—52016, 9—71461
Zasavitskii, I.I. *see* Vedeneeva, G.V. 9—64252
Zasavitsky, I.I. *see* Gureev, D.M. 9—83033
Zasedatelev, A.S. *see* Gurskii, G.V. 9—92123
Zasenko, V.I. On magnetized plasma nonlinear susceptibilities 9—50846
Zasimchuk, E.E., Bega, N.D. A two-crystal X-ray spectrometer in fatigue-damage examination 9—52481
Zasimchuk, E.E., Strizhalo, V.A., Bega, N.D. Cyclic creep of nickel single crystals in various orientations 9—66129
Zasimchuk, I.K., Fomin, A.V. Microfocus X-ray source in Berg-Barrett single-crystal substructure examination 9—52495
Zasimov, V.S. *see* Lobanov, N.N. 9—61287
Zaslavskaya, V.R. *see* Adrianova, I.I. 9—50339, 9—50403
Zaslavskii, A.Ya. Form of existence of selenium in steels with different chemical composition 9—56986
Zaslavskii, G.M., Rachko, Kh.-R.Ya. Some characteristics of the transition to turbulent flow 9—86402
Zaslavskii, G.M. *see* Belobrov, P.I. 9—85955
Zaslavskii, G.M. *see* Berman, G.P. 9—85007
Zaslavskii, S.L. *see* Gomoyunova, M.V. 9—69928, 9—69935, 9—99999
Zaslavsky, G.M. *see* Berman, G.P. 9—85080
Zaslonova, N.M. *see* Karikh, N.M. 9—93165
Zaslotskaya, L.A. *see* Troshchenko, V.T. 9—66164, 9—87726
Zasorin, G.I. *see* Potapov, Yu.M. 9—76896
Zasov, A.V., Karachentsev, I.D. An unusual object VV 617 (NGC 6240) 9—67103
Zasov, A.V., Karachentseva, V.E. Galaxies of low surface brightness in clusters and groups 9—80357
Zasovin, E.A. *see* Mikaelyan, A.L. 9—89944
Zastawny, A., Kwasniewicz, E., Rabsztyn, B. Measurements of the thorium, uranium and potassium concentration in some samples of ashes from power-stations in Poland 9—100754
Zastol'skaya, Z.K. *see* Mochalin, N.K. 9—57021
Zastrau, B. *see* Rothert, H. 9—68567, 9—86365
Zastrow, U. Anisotropic plates with mixed boundary conditions 9—86345
Zasukha, V.A. Chemical shift in nuclear magnetic resonance spectra of fluorine in certain crystals and melts: theory 9—56619
Zatelepin, V.N. *see* Bityurin, V.A. 9—86520
Zatsepa, L.F. *see* Babaev, V.S. 9—75580
Zatsepin, A.F., Dmitriev, I.A. Role of fluoride cations in beryl glass during crystallization 9—65176
Zatsepin, G.T. *see* Baiburina, S.G. 9—80156, 9—80170
Zatsepin, G.T. *see* Varkovitskaya, A.Ya. 9—80147
Zatsepin, G.T. *see* Volkova, L.V. 9—62709
Zatsepin, V.I. *see* Gusev, A.A. 9—66896
Zatsepin, V.I. *see* Varkovitskaya, A.Ya. 9—80147
Zatsepina, G.N., Tul'skii, S.V., Tsaplev, Yu.B. Electrical conductivity of tissue measured in the physiological potential gradient 9—57838
Zaturska, M.B. *see* Banks, W.H.H. 9—72896
Zatz, I.J. *see* Gralnick, S.L. 9—93824
Zatz, S. *see* Hahn, H. 9—72115
Zaumseil, P. Investigations of crystal defects with reflection-section topography 9—50945
Zavada, J.M. *see* Church, E.L. 9—59639
Zavada, N.I., Zlobin, A.M., Donskoi, E.N., Pilipenko, A.V., Khizhnyakov, V.V. Distribution of absorbed energy and bremsstrahlung yield during irradiation of copper and tantalum with electrons from the RIUS-5 accelerator 9—99245
Zavadovskaya, E.K., Aref'ev, K.P., Aref'ev, V.P., Pozdeeva, E.V. Positron-capture centers in electron-irradiated KCl crystals 9—95875
Zavadskii, E.A. The effect of a magnetic field and high pressure on magnetic transformations in alloys having a nickel-arsenide crystal lattice 9—82780
Zavadskii, E.A., Sibarova, I.A. The change in the character of the magnetic transition in chromium arsenide under pressure 9—87256
Zavadskii, E.A. *see* Kamenev, V.I. 9—73720
Zavadtsev, A.A. *see* Vikulov, V.F. 9—72030
Zavaritskaya, E.I. *see* Vul, B.M. 9—56273
Zavartsev, Yu.D. *see* Telesnin, R.V. 9—99735
Zavarza, P.D. *see* Vysota, A.M. 9—52788
Zavarzina, V.P. *see* Barit, I.Ya. 9—59075, 9—80947
Zavattini, E. *see* Iacopini, E. 9—85252
Zaverl, F., Jr. *see* McClintock, F.A. 9—50658
Zavertyaev, M.V. *see* Avtonomov, V.P. 9—59687
Zaveta, K. *see* Schneider, J. 9—61189
Zavetova, M. *see* Doubrava, P. 9—91514
Zavetova, M. *see* Gregora, I. 9—82941
Zavgorodnii, P.F. Thermoconcentration convection in solidifying binary melt and its influence on impurity distribution 9—73292
Zavgorodnii, V.S. Problem of determining ion collection efficiency in liquid ionization chambers 9—85861
Zavgorodnyii, A.Ya. *see* Voloshchuk, A.I. 9—74226
Zavilonulo, A.I. *see* Shkoba, V.B. 9—64122
Zavilopulo, A.N. *see* Mauskop, E.M. 9—67332, 9—67428
Zavina, T.A. *see* Kir'yanov, Yu.G. 9—96218
Zavodnik, V.E. *see* Chetkina, L.A. 9—86783
Zavody, A.M. *see* Emergy, R.J. 9—92578
Zavoiskaya, I.N., Shenderovskaya, O.Ya. Solution of the problem on space-time separation of secular geomagnetic variations into the fields of separate centres 9—96738
Zavolzhenskii, M.V., Terskov, A.Kh. Vortex on the surface of a viscous fluid 9—77123
Zavorotnyi, V.U. *see* Gurvich, A.S. 9—98279
Zavorueva, R.S. *see* Sokol, V.A. 9—87598
Zavozin, Zh.G. *see* Blyumin, G.D. 9—80422
Zav'yalov, A.S., Gabeev, K.V. Temperature-concentration range of the formation of products of the transformation of austenite 9—100135
Zav'yalov, G.G., Kirichevskii, V.V., Sakharov, A.S. Refined finite-element schemes for calculations on massive structures 9—53979
Zav'yalova, L.V. *see* Svechnikov, S.V. 9—78895
Zawadowski, A. *see* Mihaly, L. 9—90935
Zawadski, A. *see* Baiburina, S.G. 9—80156, 9—80170
Zawadski, I.I. *see* Rogers, R.R. 9—84355
Zawadzkas, G.A. *see* Chou, M.-S. 9—80597
Zawadzki, I.I., Ro, C.U. Correlations between maximum rate of precipitation and mesoscale parameters 9—53469

Zawadzki, J. Complex investigations of thermorheological properties of polymides 9—96067
Zawadzki, J. IR spectroscopy studies of oxygen surface compounds on carbon 9—96162
Zawadzki, W. *see* Burkhard, H. 9—78007
Zawadzki, W. *see* Grisar, R. 9—82961
Zawejski, L. *see* Baiburina, S.G. 9—80156, 9—80170
Zawiejski, J. *see* Adamczewski, W. 9—67299
Zawislak, F.C. *see* Baumvol, I.J.R. 9—78588, 9—82898
Zawislak, F.C. *see* Saxena, R.N. 9—80897
Zawislanski, A. Influence of air pollution on telephone exchanges 9—74573
Zayachki, V.I., Khristov, L.G. Determination of the parameters of the amplitude of p-n elastic scattering at 50.0 GeV 9—75798
Zayachkovskaya, N.F. *see* Bercha, D.M. 9—73673
Zayachkovskii, M.P. *see* Bercha, D.M. 9—73673
Zayachkovskii, M.P. *see* Bodnar, M.P. 9—65227
Zayakina, N.V., Brovkin, A.A. Crystal structure of $CaO.4B_2O_3.2H_2O=CaB_8O_{11}(OH)_4$ 9—94976
Zayats, A.A. Dispersion relations for P-odd partial amplitudes of the process $\gamma N \to \pi N$ 9—85304
Zayats, V.A., Murzin, V.N., Salganik, I.N., Shifrin, K.S. Longwave infrared absorption spectra in pure and doped germanium at low temperatures under conditions of optical excitation of nonequilibrium carriers in the crystal 9—87423
Zayats, V.A. *see* Aleksandrov, V.N. 9—95451
Zaynullin, L.A. *see* Ratnikov, Ye.F. 9—77246
Zaytsev, A.A., Il'inskiy, V.V., Savchenko, I.A. Excitation and suppression of traveling striations (ionization waves) in a glow discharge by current modulation 9—82118
Zaytsev, G.A., Krebtov, I.A. Investigation of the low-frequency noise of a superconducting bolometer 9—89005
Zazhigin, A.S. A method of discovering Freon by its decomposition products 9—66235
Zazhigin, A.S. *see* Zaitsev, A.F. 9—52593
Zazhogin, A.P. *see* Volod'ko, L.V. 9—87489
Zaznoba, V.A., Lissichenko, S.B., Stepanov, K.N. Anomalous skin-effect in magnetically confined plasmas 9—64873
Zazovskii, A.F. Propagation of a plane circular crack by hydro-failure in an impermeable rock 9—70788
Zazubin, A.I. *see* Kopylova, E.A. 9—95744
Zazubovich, S. *see* Egemberdiev, Zh. 9—65076
Zazyan, Z.F., Mezentsev, I.S., Khanonkin, A.A. Damaging energy during cyclic programmed loading 9—91777
Zbieranowski, W. *see* Witek, A. 9—82275
Zboinski, K., Opiola, H., Piekara-Sady, L. Nonlinear dielectric effect in benzonitrile and nitroethane solutions 9—78602
Zborowska, M., Janas, A. Testing the high temperature corrosion resistance of the $SrZrO_3$ ceramic 9—52409
Zborucki, A. *see* Muciek, A. 9—80645
Zbytovsky, A., Vyskocil, V., Krysl, V., Vacek, J. Reactor physics in SKODA works and pressurized-water power reactors of VVER-1000 type. Part II 9—63735
Zbytovsky, A., Vyskocil, V., Vacek, J., Kyrsl, V. Reactor physics in Skoda Works and pressurized water power reactors of VVER-100 type. I 9—67818
Zdaniewski, W., Hasselman, D.P.H. Effect of oxidation on the thermal diffusivity of reaction-sintered silicon nitride 9—86933
Zdaniewski, W.A., Rindone, G.E., Day, D.E. The internal friction of glasses 9—52286
Zdanov, V.G., Malinovski, V.K., Nikolova, L.P., Todorov, T. Photoinduced dichroism in lightsensitive suspension layers of As_2S_3 dispersed in gelatin 9—98453
Zdanowicz, L. *see* Burian, A. 9—77519
Zdanowicz, L. *see* Zdanowicz, T. 9—87580
Zdanowicz, L. *see* Zdanowicz, W. 9—99644
Zdanowicz, T., Zdanowicz, L. Preparation and some electrical properties of thulium oxide films 9—87580
Zdanowicz, W., Zdanowicz, L., Portal, J.C., Askenazy, S. Shubnikov-de Haas effect in thin films of cadmium arsenide 9—99644
Zdanowicz, W. *see* Huldt, L. 9—87502
Zdanowicz, W. *see* Weszka, J. 9—91441
Zdanowska, M. *see* Mackowiak, M. 9—95672
Zdarsky, F. *see* Harmanec, P. 9—53817
Zdasiuk, G.A. *see* White, J.C. 9—63944
Zdetsis, A.D. Non-hermitian dynamical matrices in phenomenological lattice dynamics 9—69202
Zdetsis, A.D. A parallel Born-von Karman study of diamond and the diamond type crystals 9—86855
Zdetsis, A.D., Economou, E.N., Papaconstantopoulos, D.A. Theoretical calculation of T_c for lead 9—73614
Zdetsis, A.D., Wang, C.S. Lattice dynamics of Ge and Si using the Born-von Karman model 9—73271
Ze, F., Hershkowitz, N., Chan, C., Lonngren, K.E. Excitation of spherical ion acoustic solitons with a conducting probe 9—90461
Ze, F., Hershkowitz, N., Chung Chan, Lonngren, K.E. Inelastic collision of spherical ion-acoustic solitons 9—77373
Ze Don Kvon *see* Kvon Ze Don
Ze Guan-da Measurements of intensities and distributions of pulsed intensive magnetic field by inductive method 9—75506
Ze-Ming Gao *see* Gao Ze-Ming
Zealey, W.J. *see* Goss, W.M. 9—84839
Zealey, W.J. *see* Malin, D.F. 9—88603
Zebroski, E. *see* Gozani, T. 9—89509
Zebroski, E.L. Overview of alternative fuel cycles and processes 9—49817
Zebrowksi, J. *see* Kiejna, A. 9—78154
Zebrowski, J. *see* Komenou, K. 9—99774
Zech, E. *see* Daniel, H. 9—68014
Zech, E. *see* Ernst, H. 9—78565, 9—82884, 9—93506
Zech, E. *see* Hagn, E. 9—89235
Zech, G. *see* Berger, C. 9—49519
Zecha, H. *see* Bischof, C. 9—55015
Zechmeister, H., Zeilinger, H., Schmitt-Thomas, K.-G. Influence of recrystallization and grain boundary precipitates on the mechanical properties of the hot formed X2 NiCoMoTi18124 steel 9—66073
Zee, A. Echo hadrons: color confinement and fractionally charged states 9—67506
Zee, A. *see* Toussaint, D. 9—49136
Zee, B. Models and method of calculation of doping and injection-dependent impurity density of states in GaAs 9—73466
Zee, C. *see* Lee, P.C.Y. 9—55295
Zee, R.J.Van *see* Van Zee, R.J.
Zeelenberg, C. *see* Meester, G.T. 9—70695
Zeelenberg, C. *see* Meij, S.H. 9—70710
Zeelenberg, C. *see* Vogel, J.A. 9—70597
Zeevi, Y.Y., Peli, E., Stark, L. Study of eccentric fixation with secondary visual feedback 9—79522
Zeevi, Y.Y. *see* Gafni, H. 9—66473
Zefirov, N.S. *see* Potekhin, K.A. 9—86785, 9—90639, 9—90640
Zeforov, N.S. *see* Potekhin, K.A. 9—86784
Zega, B. Ion plating 9—57132
Zegarac, S. *see* Napijalo, M.Lj. 9—55682, 9—56808, 9—56809
Zegarac, S. *see* Napijalo, M.M. 9—56810
Zegarski, B.R. *see* Cook, J.M. 9—68270
Zegarski, B.R. *see* Miller, T.A. 9—72345
Zege, E.P. *see* Katsev, I.L. 9—84507
Zeger, J., Knotik, K., Schopper, G. Studies on the stability of bitumen salt mixtures. III. Thermal stress capacity of mixtures of bitumen and simulated steel corrosion products 9—89391
Zeger, K.E. *see* Puchinyan, S.N. 9—83678
Zegrya, G.G. *see* Bodiul, P.P. 9—82615
Zehe, A. *see* Krautheim, G. 9—77828
Zehnder, A. *see* Dey, W. 9—98252
Zehnder, A. *see* Truttmann, P. 9—54429
Zehner, D.M., Madden, H.H. High-resolution LMM Auger spectra from argon implanted in Be and Si 9—83066
Zehnpfennig, T.E., Vanasse, G.A. Background suppression in double-beam interferometry using tailored modulation transfer functions 9—97428
Zehnpfennig, T.F., Shepherd, O., Rappaport, S., Reidy, W.P., Vanasse, G. Background suppression in double-beam interferometry 9—75576
Zeidl, H. *see* Hertenberger, G. 9—82075
Zeidler, G. *see* Aulich, H. 9—50427
Zeidler, H., Altmann, S., John, B., Gaffga, R., Kulike, W.-M. Rheology of pathological synovial fluids. I. Further viscoelastic studies 9—79585
Zeidler, J.R. *see* Rickard, J.T. 9—59868
Zeidler, M.D. *see* Hoheisel, C. 9—77476
Zeidlits, V.P. *see* Kiselev, V.A. 9—77407
Zeidman, B. *see* Braid, T.H. 9—60414
Zeidman, B. *see* Geesaman, D.F. 9—85541
Zeidman, B. *see* Olmer, C. 9—93667
Zeigarnik, V.A. *see* Valuev, A.A. 9—64952
Zeiger, S.G., Melekhov, P.V., Pelyukhova, E.V. Stationary modes of a coupled generator and amplifier system 9—64196
Zeilik, M., Hall, D.S., Feldman, P.A., Walter, F. The strange RS Canum Venaticorum binary stars 9—84826
Zeilinger, A. On the Aharanov-Bohm effect 9—71281
Zeilinger, A., Shull, C.G. Magnetic field effects on dynamical diffraction of neutrons by perfect crystals 9—73071
Zeilinger, H. *see* Zechmeister, H. 9—66073
Zeinally, A.Kh. *see* Aliev, D.F. 9—90550
Zeinally, A.Kh. *see* Bezdetnyi, N.M. 9—99843
Zeinally, A.Kh. *see* Chirkov, V.N. 9—78656
Zeinalov, N.K. *see* Guz', A.N. 9—68607
Zeinalov, S.A. *see* Aliev, M.I. 9—87115
Zeinalov, V.Z. *see* Bagirov, S.B. 9—51567
Zeippen, C.J. *see* Le Dourneuf, M. 9—85909
Zeiri, Y. *see* Shapiro, M. 9—74362
Zeiss, G.D., Scott, W.R., Suzuki, N., Chong, D.P. Finite-field calculations of molecular polarizabilities using field-induced polarization functions: second- and third-order perturbation correlation corrections to the coupled Hartree-Fock polarizability of H_2O 9—72249
Zeitler, K.H. *see* Auracher, F. 9—76845
Zeitlin, G.M. *see* Gevins, A.S. 9—100591
Zeitlin, H. *see* Oona, H. 9—92024
Zeitnitz, B. *see* Fischer, R. 9—71835
Zeitnitz, B. *see* Klages, H.O. 9—75965
Zeitoun, D. *see* Brun, R. 9—60073
Zeitz, M., Peyerimhoff, S.D., Buenker, R.J. A theoretical study of the bound electronic states of the C_2^- negative ion 9—76349
Zekl, H. *see* Gaida, G. 9—88605
Zekovic, Lj.D. *see* Urosevic, V.V. 9—57236
Zekovic, S., Masovic, D.R. Energy bands of polyvalent metals 9—56119
Zekovic, S. *see* Masovic, D.R. 9—56121
Zeks, B. Soft modes in ferroelectric liquid crystals 9—55653
Zeks, B., Levstik, A., Blinc, R. On the dynamics of helicoidal ferroelectric smectic C liquid crystals 9—95714
Zeks, B. *see* Blinc, R. 9—78635
Zeks, B. *see* Kind, R. 9—73309, 9—99313
Zeks, B. *see* Levstik, A. 9—91385
Zeks, B. *see* Mackowiak, M. 9—69785
Zeks, B. *see* Ribaric, M. 9—55864, 9—86546
Zeks, B. *see* Vilfan, I. 9—56539
Zekster, M.P., Lyubimov, G.A. Electrode heating by the cathode spot of a vacuum arc 9—55593
Zelazny, S.W. *see* Blauer, J.A. 9—81422
Zel'bet, B.M., Sudakov, V.S. Effect of quenching and aging conditions on the properties of alloy 36NKhTYuM8 [steel] 9—52275
Zeldin, B. *see* French, J.R. 9—80197
Zel'dovich, A.G. *see* Aksenov, V.G. 9—54224
Zel'dovich, B.Ya., Shkunov, V.V. Influence of the group velocity mismatch on reproduction of the pump spectrum under stimulated scattering conditions 9—89966
Zel'dovich, B.Ya. *see* Blashchuk, V.N. 9—86217
Zel'dovich, M.A. *see* Gordeeva, N.M. 9—80267
Zel'dovich, S.A., Kessel', A.R. Electromagnetic and acoustic response echoes of the nuclear spin system of antiferromagnets 9—69747
Zel'dovich, V.I., Rinkevich, O.S., Sadovskii, V.D. Structural and concentration changes during the $\alpha \to \gamma$ transformation in the alloy Fe-23.1% Ni. I. Influence of the heating rate and residual austenite 9—83194
Zel'dovich, V.I., Samoilova, E.S. Morphology of the γ phase and structural inheritance in an iron-cobalt-vanadium alloy 9—70059
Zel'dovich, Ya.B. Albert Einstein, his life and work 9—84926
Zel'dovich, Ya.B. *see* Doroshkevich, A.G. 9—62942
Zelek, A. *see* Fleszynski, J. 9—91358
Zelenchuk, A.R. On the compensation of the 'constant' component in optical heterodyning 9—50239
Zelenchuk, A.V., Fetisov, B.V., Lakin, Yu.G., Tonkov, V.Yu. Methods of measuring the distortion of fuel-element cans during irradiation 9—63747
Zelener, B.V., Yakubov, I.T. Calculation of the electric conductivity of a combustion products plasma with mixed alkali impurities 9—86621
Zelener, B.V. *see* Atrazhev, V.A. 9—55466
Zelenetskii, A.N. *see* Topolkaraev, V.A. 9—65139
Zelenev, Yu.V., Kozlov, Yu.V. Ultrasonic device for determining the adhesive force of a metal film and the polymer base 9—91865
Zelenev, Yu.V. *see* Belyaev, O.F. 9—50966
Zeleni, L.M. *see* Galeev, A.A. 9—77342
Zelenin, V.N., Konstantinov, I.E., Mikheenko, S.G., Salimov, O.N. Mass spectrum of particles formed in the condensation of evaporated meteoric matter 9—71005
Zelenskii, S.N., Pasechnyi, S.V. Characteristic functional of the sound field in randomly inhomogeneous media 9—64383
Zelenskii, V.F., Ivanov, V.E., Kazachkovskii, O.D., Tsykanov, V.A., Platonov, P.A. The present situation in radiation damage physics in the USSR 9—95049
Zelenskii, V.F., Voevodin, V.N., Matvienko, B.V., Neklyudov, I.M., Chernyaeva, T.P. Two systems of pores in nickel irradiated with xenon ions 9—71898
Zelenskii, V.F. *see* Voloshchuk, A.I. 9—74226
Zelentsov, S.V. *see* Treushnikov, B.M. 9—97464
Zelentsova, N.I., Luchko, M.V., Tarasov, V.P. Particular production features of AMLS devices 9—71397
Zelentsova, S.A. *see* Abuzin, Yu.M. 9—65844
Zeleny, M. *see* Andreev, A.V. 9—56527
Zelenyi, Yu.I. *see* Mikitishin, S.I. 9—52252
Zeleva, G.M. *see* Chernyshov, A.I. 9—95919
Zelevinskaya, N.G. *see* Baiburina, S.G. 9—80156, 9—80170
Zelikin, N.V., Kask, N.E., Radchenko, V.V., Fedorov, G.M., Fedorovich, O.V., Chopornyak, D.B. Observation of absorption waves in a transparent dielectric 9—89952
Zelikman, M.A., Spivak, B.Z. Role of slow relaxation processes in the formation of the Kapitza discontinuity at the boundary between a superconductor and dielectric 9—51732
Zelin, V.I., Yanson, Yu.O. Determining creep kernels from results of short-time tests 9—86350
Zelinger, J., Volfova, E., Zahradnikova, H., Pelzbauer, Z. PVC mixtures with processing aids. I. Mechanical properties and morphology 9—57047

Zelingher, N. Mass transport through cellulose acetate membranes—a new concept 9—96360
Zelinka, J. *see* Malina, V. 9—82698
Zelinskii, A.G. *see* Bek, R.Yu. 9—91969
Zelinskii, Yu.V. *see* Adamenko, A.A. 9—75494
Zeller, A.F., Kemper, K.W., Weisser, D.C., Ophel, T.R., Hebbard, D.F., Johnston, A. Lithium-induced reactions on carbon at 48 MeV 9—75904
Zeller, A.F. *see* Kemper, K.W. 9—59082
Zeller, C., Denenstein, A., Foley, G.M.T. Contactless technique for the measurement of electrical resistivity in anisotropic materials 9—67344
Zeller, C., Pendrys, L.A., Vogel, F.L. Electrical transport properties of low-stage AsF_5-intercalated graphite 9—99590
Zeller, C. *see* Basu, S. 9—74108
Zeller, D. *see* Hartwig, S. 9—49621
Zeller, H.R. *see* Pietronero, L. 9—55929, 9—60746, 9—95411
Zeller, M.E. *see* Jonckheere, A. 9—63527
Zeller, R., Dederichs, P.H. Electronic structure of impurities in Cu, calculated self-consistently by Korringa-Kohn-Rostoker Green's-function method 9—78040
Zeller, R. *see* Hatcher, R.D. 9—77595
Zellerhoff, R.B. *see* Zander, M. 9—59487
Zelles, L. *see* Seibold, H.W. 9—100677
Zellmer, R. *see* Meyers, M.L. 9—61429
Zellner, R. Recombination reactions in atmospheric chemistry 9—53410
Zellner, R. *see* Anastasi, C. 9—66284
Zellner, R. *see* Handwerk, V. 9—52622
Zel'man, M.B. *see* Volodin, A.G. 9—90264
Zel'tser, V.S., Kuz'mitskii, M.L. Eddy-current flaw detector for revealing fatigue cracks 9—66244
Zel'tser, V.S. *see* Bruk, M.V. 9—66245
Zelyukova, Yu.V., Kravchenko, T.B., Kucher, A.A. Atomic-absorption determination of iron and copper impurities in preparations of rare-earth elements 9—87905
Zemach, C. Observations on the two-body relativistic wave equation 9—63358
Zeman, A. *see* Stubna, M. 9—89374
Zeman, V. *see* Pecinka, L. 9—67882
Zeman, W. *see* Kraft, L.M. 9—66489
Zemann, J. *see* Effenberger, H. 9—55709
Zembekov, A.A. *see* Havemann, U. 9—89755
Zembutsu, S. *see* Mikami, O. 9—94370, 9—98506
Zemcik, T. *see* Mager, S. 9—56520
Zemcik, T. *see* Suwalski, J. 9—91328
Zemel, A., Tamari, N., Eger, D., Yaniv, O. Carrier concentration and mobility of PbTe and $Pb_{1-x}Sn_xTe$ LPE thin layers 9—99639
Zemel, A. *see* Niv, Y. 9—85368
Zemel, A. *see* Silberg, E. 9—69292
Zemel'man, M.A. *see* Vostroknutov, N.N. 9—80564
Zemlin, A.V. *see* Afanas'ev, V.A. 9—97832
Zemlin, F. Image synthesis from electron micrographs taken at different defocus 9—54234
Zemlin, F. *see* Ottensmeyer, F.P. 9—62175
Zemlyanov, M.G. *see* Chernoplekov, N.A. 9—51223
Zemlyanov, M.G. *see* Golovin, A.E. 9—97925
Zemlyanoy, A.D. *see* Batrakov, G.F. 9—53362
Zemskii, S.V., Fomin, N.E., Mal'Tseva, G.K., Karpel'ev, V.A. Determination of diffusion coefficients during deformation of hyperplastic alloys 9—51298
Zemskii, V.I. *see* Dul'nev, G.N. 9—64238
Zemskov, B.G. *see* Ionov, S.P. 9—51504
Zemskov, E.M. *see* Bel'dyugin, I.M. 9—59763, 9—86196
Zemskov, K.I., Kazaryan, M.A., Pekhoshkina, T.I., Trofimov, A.N. Projection system with a copper chloride vapor image amplifier 9—98407
Zemskova, L.K. *see* Khromoi, Yu.D. 9—55601
Zemtsov, E.E. *see* Nevinnyi, A.V. 9—88261
Zemtsov, V.I. *see* Gil'derman, V.K. 9—82478
Zemtsova, N.D., Malyshev, K.A., Starchenko, E.I. Cellular decomposition in undeformed metastable Fe-Ni-Ti alloys 9—100178
Zemtsova, N.D., Sagaradze, V.V., Romashev, L.N., Starchenko, E.I., Shabashov, V.A. Raising the Curie temperature of ageing alloys during plastic deformation 9—69669
Zen E-An *see* E-An Zen
Zen-wang Huang *see* Huang Zen-wang
Zenchenko, S.A. *see* Danilov, V.A. 9—64260
Zenczykowski, P. Octonionic interpretation of the multiquark states in the dual string picture 9—49449
Zendel, M. *see* Kratz, K.-L. 9—93559
Zeng Cheng-kai *see* Zhu Yong-qi 9—79867
Zeng Jin-Yan, Tseng Chim-Yan The moments of inertia of multi-quasi-particle excitation bands and the blocking effect 9—49568
Zeng Qingcun Theoretical problems of infrared remote sensing of the atmosphere 9—80052
Zeng Xian-zhou A method of frequency control in electron linear accelerators 9—54619
Zeng Xin-Chuan The stress field and the ground surface deformation associated with a vertical tension crack in a semi-infinite ground medium 9—62463
Zeng-mei Lai *see* Lai Zeng-mei
Zeng-Quan Liu *see* Liu Zeng-Quan
Zeng-yong Zhong *see* Zhong Zeng-yong
Zeng-Yuan Yue *see* Yue Zeng-Yuan
Zengyuan Yue *see* Yue Zengyuan
Zenina, V.V. *see* Shvarts, V.M. 9—97460
Zenitani, Y., Amano, K., Takano, Y. A study on decrease of air pollution by bus lane network 9—52991
Zenk, W. The Antarctic water ring—the most important source of oceans 9—62520
Zenkevich, V.B. *see* Andrianov, V.V. 9—87218
Zenkin, G.M. *see* Lednitskii, D.G. 9—53127
Zenkin, V.A. *see* Dmitriev, V.G. 9—64285
Zenkova, E.K., Polyanskii, V.M., Glikman, E.E., Popov, O.P. Special features of solidification cracks formed in the welding of copper alloys to zirconium and possibilities of preventing their formation by means of micro-alloying 9—96148
Zen'kovich, S.G. *see* Cherednichenko, E.A. 9—57749
Zenobi, E.L.de *see* de Zenobi, E.L.
Zenoulis, A.C., Kalfas, C.A. Structure and directional-correlation measurements in ^{97}Tc from $^{97}Mo(p,n)\ ^{97}Tc^*(\gamma)$ spectrometry 9—89240
Zentilli, M. *see* Blaauw, C. 9—61278
Zentko, A., Do-cong-vinh, Zentkova, A., Duhaj, P. Magnetic properties of amorphous Ni-Pd-Si alloys 9—61057
Zentko, A. *see* Krempasky, J. 9—65424
Zentkova, A. *see* Zentko, A. 9—61057
Zepp, R.G. *see* Miller, G.C. 9—100546
Zera, J. *see* Jaroszewski, A. 9—68516
Zerbi, G. *see* Abbate, S. 9—65851
Zerbini, S. Direct solar and Earth-albedo radiation-pressure effects on the orbit of Pageos 1 9—88566
Zerda, J. *see* Kluk, E. 9—87422
Zerda, T. *see* Kluk, E. 9—86660
Zerda, T.W. *see* Kluk, E. 9—87422
Zerenner, E.H. *see* Rooney, T.A. 9—83529
Zerinov, A. *see* Kuzov, K. 9—98772
Zerner, M.C., Hehenberger, M. A dynamical damping scheme for converging molecular SCF calculations 9—54762
Zervas, T. *see* Neufeld, P. 9—83386
Zerwas, P.M. *see* Koller, K. 9—49454
Zerweck, G. *see* Brito, A.S. 9—87221
Zeto, R.J., Korolkoff, N.O., Marshall, S. Pressure oxidation of silicon: an emerging technology 9—100279
Zetta, L. *see* Ferrero, A.M. 9—49630
Zetterberg, P.O. *see* Joelsson, I. 9—93946
Zettwoog, P. *see* D'Amore, F. 9—74918
Zetzsch, C. *see* Hansen, I. 9—64036
Zeuch, W.R., A-Moneim, M.T. Safety analysis of the MARK-IICB loop for TREAT test AX-1 9—85664
Zeuch, W.R., Bratis, J.C. Sodium slug kinetic energy reactor behavior for varying HCDA energetics 9—85665
Zeun Nam Bien *see* Young Kyu Kang 9—89395
Zevgolis, D. *see* Eisel, D. 9—98114
Zevgolis, D. *see* Pfaff, J. 9—94034
Zevin, A.A. The optimum form of an ageing hereditary solid 9—81727
Zewail, A.H. Are the homogeneous linewidths of spin resonance (ODMR) and optical transitions related? 9—91316
Zewail, A.H., Diestler, D.J. The relaxation of local modes of vibrationally-hot molecules in cold environments: anharmonicity and condensed phase effects 9—86851
Zewail, A.H. *see* Perry, J.W. 9—86850
Zewail, A.H. *see* Smith, D.D. 9—89682
Zeyen, C. *see* Frey, F. 9—51252
Zeyen, C.M.E. *see* Cailleau, H. 9—51255, 9—82329
Zeyen, C.M.E. *see* Vidal-Valat, G. 9—73147
Zeyher, R. *see* Merlin, R. 9—95782
Zeynalov, Y. An electric diagram for modelling the fluorescence induction phenomena in photosynthesis 9—57589
Zeynalov, Y., Maslenkova, L. On the Blinks effect and its explanation 9—57590
Zeytounian, R.Kh. *see* Guiraud, J.-P. 9—50739, 9—81901
Zezin, A.B. *see* Kabanov, N.M. 9—55018
Zezin, Yu.P., Kershtein, I.M. Effect of small vibrations on cracking kinetics in polymethyl methacrylate. Concept of a rate-dependent cracking resistance. Possible thermal mechanism 9—57108
Zezina, L.A. *see* Fursova, K.S. 9—52295
Zgeirski, M.Z. *see* Siebrand, W. 9—59461
Zgierski, M.Z., Pawlikowski, M. Resonance Raman scattering in the region of a forbidden non-degenerate electronic state by a doubly degenerate vibration 9—59460
Zgierski, M.Z., Pawlikowski, M. Jahn-Teller, pseudo Jahn-Teller coupling, and circular dichroism spectra of (E+A)*e systems 9—68247
Zgierski, M.Z., Pawlikowski, M. Theory of resonance Raman scattering by doubly degenerate modes 9—98108
Zglinski, A. *see* De Voigt, M.J.A. 9—75903, 9—93549
Zglinski, A. *see* Engfer, R. 9—85497
Zhabotinskii, M.E. *see* Galduk, M.I. 9—98377
Zhabotinskii, M.E. *see* Gilyarov, O.N. 9—50287, 9—50288
Zhabotinskii, M.E. *see* Grigor'yants, V.V. 9—59836
Zhabotinskii, N.P. *see* Petrichenko, A.M. 9—96089
Zhabrev, G.I., Kurnaev, V.A. Negative component in hydrogen and deuterium beams scattered by a copper target 9—65967
Zhabrev, V.A., Kosova, I.I., Nekrasov, A.A., Novozinskaya, N.B., Sviridov, S.I. Determination of the concentration dependence of interdiffusion coefficients of alkali ions in silicate glass melts 9—65231
Zhachkov, Yu.K. *see* Umanskii, E.S. 9—52500
Zhadin, M.N. Effect of the curvature of the dorsal hippocampus on the form of the electric field generated by it 9—57619
Zhadin, M.N. *see* Bookova, N.V. 9—57618
Zhad'ko, I.P., Romanov, V.A. Photomagnetic current generated by front illumination of a p-n junction 9—51666
Zhagata, L.A., Feltyn', I.A. Titanium-containing SiO_2 films 9—95934
Zhagata, L.A., Repele, G.R., Feltyn', I.A. Preparation of SiO_2 films from certain tetraalkoxysilanes by activation pyrolysis 9—87583
Zhagrov, E.A., Nemilov, Yu.A., Platonov, A.V., Fominykh, V.I. Topography of neutron field in manganese bath from directed source with E_n=230 keV 9—76054
Zhahotinski, M.E. *see* Grigoryants, V.V. 9—76855
Zhainakov, A.Zh. *see* Desyatkov, G.A. 9—90478
Zhak, K.M., Kazimirova, I.E., Marek, I.M., Pogrebnoi, E.N. Role of annealing twins in austenite grain growth 9—57016
Zhakin, A.I. Thermomagnetic effect on the hydrodynamic stability of the flow of a ferroliquid in an annular channel 9—94593
Zhakov, S.V. *see* Filippov, B.N. 9—87281
Zhambekov, M.I. *see* Isabaev, S.M. 9—83181
Zhamkochyan, V.M. *see* Gevorkyan, S.R. 9—49562
Zhan Da-San The factorization property of the second-order correlation function of a completely coherent field 9—50206
Zhan Da-san A discussion on the generalized linear coherent optical-processing system 9—89853
Zhan Yu-Ling *see* Tang Di-Sheng 9—52175
Zhan-peng Gao *see* Gao Zhan-peng
Zhanbo-sinova, M. *see* Boos, E.G. 9—49548
Zhang, H.I., Rajagopal, A.K. Transition temperature for the Ising model in a new mean-field theory 9—51785
Zhang, N.L. *see* Barber, D.P. 9—89175, 9—97631
Zhang An-dung *see* Gu Ben-yuan 9—81490
Zhang An-dung *see* Zhao Shi-fu 9—91404
Zhang Dao-Fan *see* Zhu Yong 9—69810
Zhang Guo-Dong *see* Li Zhi-Sen 9—62725
Zhang Heh-jeong Moh *see* Heh-jeong Moh Zhang
Zhang Hong-bing *see* Cheng Yue-ying 9—78863
Zhang Hong-qing A unified theory on general solutions of systems of elasticity equations 9—71251
Zhang Huan-Zhi *see* Li Zhi-Sen 9—62725
Zhang Jian *see* Peng Hua-shou 9—76301
Zhang Jie-qian *see* Wei Ding-wen 9—84449
Zhang Jin-zhu, Lin Tian-jian Stress conditions and the variation of rupture characteristics of a rock as shown by triaxial tests 9—74962
Zhang Jing-ye *see* Xu Gong-ou 9—59007
Zhang Jun-xiu *see* Wei Zhong-lei 9—64692
Zhang Li-de *see* He Yi-zhen 9—96121
Zhang Li-Yuan Peierls instability and superconductivity in linear chain crystals containing impurities 9—51486
Zhang Lining *see* Zou Zhenlong 9—80493
Zhang Min-Sheng *see* Zhu Wei 9—49479, 9—80812
Zhang Qi, Zhang Zhen-yu, Zhou Yun-sheng, Li Shao-hua The b_0 value of the muscovite of regional metamorphic rocks in Xizhang and its geological significance 9—74890
Zhang Qi-Ren Surface energies of atomic nuclei and the mass of the scalar meson 9—49574
Zhang Qing-ying *see* Chen Xiao-shu 9—93531
Zhang Rui-bin *see* Zhang You-wei 9—100172
Zhang Wei-de, Chen Jia-yu, Fu Gi-kai Mass spectroscope diagnostics in the HT-6 Tokamak 9—98990
Zhang Wei-ping *see* Cheng Yue-ying 9—78863
Zhang Wen-qi *see* Xu Zhi-zhan 9—63807
Zhang Yan *see* Guo Zhong-heng 9—64555
Zhang Yi-Xiang, Wang Ting-Yuan, Zhang Zhi-Guo The segmented equivalent circuits and rate equations of a nitrogen laser 9—50282
Zhang Yong-fu, Jiang Shao-you Some physical problems in photo-electron spectroscopy 9—80730
Zhang You-wei, Zhang Rui-bin An investigation of HAZ microcracks in multilayer welding of low-alloy high-strength steels 9—100172
Zhang You-Wen Calculation of static and dynamic equilibrium of the 45° scan mirror 9—68423
Zhang Yu-shun *see* Liu Xian-hui 9—93626
Zhang Yu-xian *see* Bao Feng-qi 9—74517
Zhang Yuan-Long On the correlation between growth forms and interface molecular group waviness of synthetic quartz 9—51027
Zhang Yuanzhong *see* Zou Zhenlong 9—80493

Zhang Zhao-Xi *see* He Ju 9—81308
Zhang Zhen-yu *see* Zhang Qi 9—74890
Zhang Zhi-cheng *see* Gu Ben-yuan 9—81490
Zhang Zhi-Guo *see* Zhang Yi-Xiang 9—50282
Zhang Zhi-xiang The polarization problem of the Zeeman effect 9—54808
Zhang Zi-Xian *see* Wu Jing-Yuan 9—49503
Zhang-jun Yang *see* Yang Zhang-jun
Zhao Bai-lin The principles and tests of the microwave remote sensing of the vertical temperature profiles of the atmosphere 9—84452
Zhao Bao-Heng, Yan Mu-Lin Canonical quantization of gauge fields. II. Spontaneously broken gauge fields 9—49406
Zhao Bao-Heng *see* Yan Mu-Lin 9—93026
Zhao Baoheng Renormalization of gauge theories 9—63337
Zhao Da-zun Introduction to optical transfer functions 9—98308
Zhao Fang-xiong, Li Qing-yang Application of Fourier transform wave filter to seismic data processing 9—96838
Zhao Jian On the relation between inclusions and morphology of dimple fractures in certain steels 9—74231
Zhao Jian-gao On structural phase transition of amorphous alloys 9—82336
Zhao Jian-Gao *see* Guo Hoi-Qun 9—51830
Zhao Jin Zhao, Run-qiao, Ye Geui-mu, Dong Gui-zhen, Dai Li-sheng Sealed-type CO_2 laser using metal construction 9—81459
Zhao Jing-lun, Mao Su-yin, Ma Ji-hu, Han Zong-lai, Gu Yi-dong, Dong Yu-ju, Dia Yi-fang The momentum selector of big cloud chamber set 9—59308
Zhao Ke-gong, Ni Ya-cai Present status of measurements on the speed of light 9—97342
Zhao Li *see* Gu Ji-Cheng 9—88253
Zhao Shi-fu A simple and steady thermostat for optical and electrical experiments 9—80608
Zhao Shi-fu, Gu Ben-yuan, Zhang An-dung, Xu Zheng-yi Relaxation behaviors of the light diffraction intensity and related 'freezing' effect at low temperatures observed in α-$LiIO_3$ single crystals under the action of an electrostatic field 9—91404
Zhao Shu-Song, Peng Shou-Li, Yu Chuan-Zan Scaling phenomena and renormalization group 9—92986
Zhao Wan-yun *see* Zhu Chong-yuan 9—75767
Zhao Wei-qin, Bao Cheng-guang A discussion of the strength and the range of the phenomenological nuclear force using experimental data in high energy scattering 9—63603
Zhao Wei-Qin *see* Bao Cheng-Guang 9—80878
Zhao Yan-zeng, Jin Hui-shu, Wu Shao-ming, Hao Nan-juin A high resolution spherical mirror Fabry-Perot interferometer for measuring wind velocity 9—77308
Zhao You-yuan Selection and test of parameters in single mode folded laser cavities 9—55154
Zhao Yu-lin, Qian Fu-Ye Short duration resistivity variations before and after the M=7.8 Tangshan earthquake 9—88235
Zhao Zhao Jin *see* Zhao Jin Zhao
Zhao Zhong-ren *see* Wu Shu-yao 9—99602
Zhao Zhong-Xian, Liu Fu-Sui, Han Ru-Shan The shell model for clad particles of superconductors 9—69623
Zhao-bing Su *see* Su Zhao-bing
Zhao-Lin Hu *see* Hu Zhao-Lin
Zhao-qi Lu *see* Lu Zhao-qi
Zhao-wei Wan *see* Wan Zhao-wei
Zhao-Xi Zhang *see* Zhang Zhao-Xi
Zharinov, A.V. *see* Grishin, S.D. 9—71561
Zharkikh, Yu.S. *see* Abessonova, L.N. 9—51654, 9—69577, 9—78150
Zharkov, A.A. *see* Baskakov, A.P. 9—86508
Zharkov, G.F. Thermoelectric effects in superconductors 9—65593
Zharkov, G.F., Zaikin, A.D. Finite size ring interferometer in an external magnetic field 9—93179
Zharkov, G.F. *see* Gulian, A.M. 9—65597
Zharkov, I.P., Kondratenko, P.A. On the electronic structure of diazonium salts 9—78001
Zharkov, V.A., Padorin, G.V. Use of penalty functions for profile optimization of radiation shielding 9—97909
Zharkov, V.G., Zakharov, N.D., Kirichenko, V.V., Spasskii, M.N. Defocusing of dark-field electron micrographs for investigating accumulations of point defects in crystals 9—99036
Zharkov, V.N., Ruzmaykina, T.V. The convective stability of the upper mantle 9—74870
Zharkov, V.N. *see* Bobrov, A.M. 9—62773
Zharkov, V.N. *see* Efimov, A.B. 9—96934
Zharkov, V.N. *see* Gavrilov, S.V. 9—88323
Zharov, A.A., Kondrat'ev, I.G., Miller, M.A. Resonance matching of electromagnetic waves with non-uniform isotropic plasma 9—55507
Zharovskii, L.F. *see* Svechnikov, S.V. 9—78895
Zhavoronko, G.P. *see* Zaitsev, S.M. 9—65060
Zhavoronkov, N.M. *see* Mochalova, N.S. 9—86433
Zhavrin, Yu.I. *see* Bogatyrev, A.F. 9—81696
Zhbankov, R.G. *see* Sivchik, V.V. 9—54836
Zhbanov, A.M. *see* Manokhin, A.I. 9—100090
Zhdan, A.G. *see* Aleksandrov, A.L. 9—93113
Zhdan, A.G. *see* Darevskii, A.S. 9—77948
Zhdan, A.G. *see* Gulyaev, I.B. 9—56245
Zhdan, P.A., Boreskov, G.K., Boronin, A.I., Schepelin, A.P., Withrow, S.P., Weinberg, W.H. An XPS investigation of CO titration of oxygen from an Ir (111) surface 9—91994
Zhdanok, S.A., Kochetov, I.V., Napartovich, A.P., Novobrantsev, I.V., Pevgov, V.G., Starostin, A.N. Investigation of parametric relations for steady-state CO laser 9—76677
Zhdanov, A.A. *see* Andrianov, K.A. 9—65012
Zhdanov, A.A. *see* Litvinov, V.M. 9—51878
Zhdanov, B.V., Zheludev, N.I., Kovrigin, A.I., Kuznetsov, V.I. Investigation of magnetooptic effects near molecular vibrational resonances using optical parametric oscillators 9—91413
Zhdanov, G.B. *see* Baiburina, S.G. 9—80156, 9—80170
Zhdanov, G.S., Osipov, V.P., Skvortsov, V.G., Milinchuk, V.K. Photoradiative processes of the formation of free radicals in polymers 9—57269
Zhdanov, G.S. *see* Myl'nikov, V.S. 9—82479
Zhdanov, M.A. Asymptotic analysis of barotropic Rossby waves with allowance for the curvature of the Earth 9—53361
Zhdanov, V.G., Malinovskii, V.K., Kolomiets, B.T., Lyubin, V.M. Photoinduced optical anisotropy in chalcogenide vitreous semiconducting films 9—65948
Zhdanov, V.L. Experimental determination of the temperature dependence of the thermal diffusion constants of binary mixtures of heavy inert gases at low temperatures 9—60095
Zhdanov, V.P. The effect of electron density on dielectron recombination 9—98856
Zhdanova, O.N. *see* Avagimov, A.A. 9—62431
Zhdanovich, G.M., Boginskii, L.S., Sidorov, V.A. An experimental investigation of the transverse pressing of metal powders 9—100081
Zhdanovich, G.M., Yakubovskii, Ch.A. Distribution of pressure and dnesity in axisymmetric compacts produced by pressing in rigid dies 9—66022
Zhe-hon Yu *see* Yu Zhe-hon
Zhe-ming Chen *see* Chen Zhe-ming
Zhe-zhu Zheng *see* Zheng Zhe-zhu
Zhebelev, V.P. *see* Fedotov, V.K. 9—93158
Zhebrovskii, Yu.V. *see* Bratashevskii, A.S. 9—85305
Zhebrovskii, Yu.V. *see* Get'man, V.A. 9—63487, 9—89170
Zhebrovskii, Yu.V. *see* Gorbenko, V.G. 9—80830, 9—89171, 9—89294
Zhebyneva, N.F. Differential thermal analysis at low temperatures 9—49237
Zhechev, D.Z., Chaika, M.P. The generation of alignment signals in a hollow-cathode discharge 9—64944
Zhegina, I.P. *see* Potak, Ya.M. 9—100196
Zheimite, O.C., Bodnevas, A.I., Matulis, Yu.Yu. Influence of sulphates of unsaturated compounds on electrodeposition of Ni 9—91963
Zheivot, V.I. *see* Gavrilina, L.Ya. 9—96358
Zhelamkov, A.V. *see* Vertogradov, A.S. 9—68131
Zhelamkov, A.V. *see* Vertogradov, L.S. 9—68166
Zheldubovskii, A.V. *see* Pogrebnyak, A.D. 9—95897
Zhelev, Zh.T. *see* Andreychev, V. 9—49603
Zheleva, I.M., Stulov, V.P. Asymptotic investigation of two-phase Couette flow 9—77223
Zheleva, N.N. Early stages of growth of tin telluride epitaxial films 9—65348
Zheleva, N.N. *see* Demberel, L.A. 9—56166
Zheleznyakov, V.V., Kocharovsky, V.V., Kocharovsky, Vl.V. On linear coupling between waves in a plasma with an inhomogeneous magnetic field 9—94803
Zheleznyakov, V.V., Shaposhnikov, V.E. On the origin of modulation lanes in the dynamic spectra of Jupiter's decametric radiation 9—53765
Zheleznyakov, V.V., Shaposhnikov, V.E. Absorption of curvature radiation 9—75090
Zheleznyakov, V.V. *see* Eremin, B.G. 9—75240
Zheleznyakova, A.I. *see* Khetselius, V.G. 9—88472
Zheleznyi, B.V. Generalized Young equation and meniscus-film-vapor equilibrium at low or zero contact angles 9—65298
Zheliaskova, A. *see* Derzhanski, A. 9—83517
Zheliaskova, A.G. *see* Derzhanski, A.I. 9—61239
Zhelnin, A.A. *see* Vel'tishchev, N.F. 9—68695
Zhelnov, A.N. *see* Prokoshin, A.F. 9—78441
Zheltov, V.B. *see* Mik'kin, V.M. 9—76776
Zheltovodov, A.A. *see* Dem'yanenko, V.S. 9—64646
Zheludev, I.S. Some further problems of the special theory of relativity related to motion at low velocities 9—67152
Zheludev, I.S. *see* Barb, D. 9—87342
Zheludev, N.I. *see* Zhdanov, B.V. 9—91413
Zhelyazkov, I. *see* Atanassov, V. 9—64862
Zhen Yu *see* Yu Zhen
Zhen-bang Kuang *see* Kuang Zhen-bang
Zhen-bin Liang *see* Liang Zhen-bin
Zhen-jie Chen *see* Chen Zhen-jie
Zhen-long Zou *see* Zou Zhen-long
Zhen-Ru, W. *see* Li-Zhi, F. 9—71063
Zhen-Xi Wang *see* Wang Zhen-Xi
Zhen-Xing Yao *see* Yao Zhen-Xing
Zhen-Yi Wang *see* Wang Zhen-Yi
Zhen-yu Zhang *see* Zhang Zhen-yu
Zhenchuzhnikov, G.N. *see* Bondarev, N.K. 9—59158
Zheng Dong-Yan *see* Wang Zong-Xian 9—62462
Zheng Shun-xuan, Liang Zhen-bin, Ma Ying Ying, Huang Zen-wang, Xie Cang High-order stimulated Raman scattering of benzene 9—81206
Zheng Xi-yin Application of the modified Wilson's equation 9—71594
Zheng Xuezheng, Yeh Danean On the effect of supercooling crystallisation. A false high-pressure effect under nonequilibrium conditions 9—77728
Zheng Yao-hua Advances in RF and microwave spectroscopy 9—71504
Zheng Yu-ming *see* Chen Yong-shou 9—93518
Zheng Yu-Xia *see* Lin Zun-Qi 9—68408
Zheng Zhe-zhu *see* Li Xi-kui 9—97591
Zheng-da Wang *see* Wang Zheng-da
Zheng-Min Li *see* Li Zheng-Min
Zheng-Yi Xu *see* Xu Zheng-Yi
Zhenlong Zou *see* Zou Zhenlong
Zherbina, A.S. On the role of non-stationary mechanisms in maintaining non-uniform distribution of angular velocity through the thickness of the solar convective zone 9—96985
Zherdev, A.M. *see* Poletika, I.M. 9—74154
Zherditskii, N.T. Treatment of experimental results obtained in determining mutual diffusion coefficients by computer 9—69299
Zherebtsov, V.A., Talanova, V.D. Theory of the pulsed operation of a thermionic converter. II. Ionization stage 9—64928
Zherihina, L.N. *see* Ginodman, V.B. 9—91178
Zhernov, A.P., Kagan, Yu.M. Determination of the electrical and thermal resistivities of the alkali metals Na and K from 'first principles' 9—69493
Zhernov, A.P. *see* Solt, G. 9—65162
Zhernov, V.S., Krasheninnikov, I.S., Matveev, V.V., Paryshev, V.Ya., Ryzhov, N.V., Skatkin, V.M. Radiation safety monitoring instrumentation complex at the USSR nuclear power plants 9—76108
Zherzdev, A.V., Khashkhozhev, Z.M., Andreev, A.A., Melekh, B.T. Light-scattering spectrum of stabilized zirconium dioxide 9—73954
Zhestkov, B.A. *see* Glazkov, V.V. 9—98716
Zhetbaev, A.K. *see* Vereshchak, M.F. 9—65778
Zhevago, N.K. *see* Bazylev, V.A. 9—55799, 9—69168, 9—69171, 9—95059
Zhevakin, S.A. Passive-radar determination of the integral humidity of a cloudy atmosphere and of the integral water content, temperature, and height of the drop phase of clouds 9—74991
Zhevandrov, N.D., Il'inykh, T.V. Triplet and singlet transport-rate ratio in a doped molecular crystal 9—56832
Zhevandrov, N.D. *see* Vitukhnovskii, A.G. 9—56831
Zhevlakov, A.P. *see* Antonov, A.S. 9—72558
Zhevlakov, A.P. *see* Belousova, I.M. 9—76712
Zhevlakov, A.P. *see* Danilov, O.B. 9—55129
Zhevlakov, V.Ye. *see* Berzinsh, V.A. 9—83187
Zhezherun, I.F. Pulsed neutron study of $^{235}U+Be$ nearly homogeneous systems: age-diffusion model 9—76055
Zhi, F.L., Ruffini, R. On the Dopplers SS 433 9—97010
Zhi-cheng Zhang *see* Zhang Zhi-cheng
Zhi-da Chen *see* Chen Zhi-da
Zhi-Guo Cai *see* Cai Zhi-Guo
Zhi-Guo Zhang *see* Zhang Zhi-Guo
Zhi-qing Chen *see* Chen Zhi-qing
Zhi-Ren Niu *see* Niu Zhi-Ren
Zhi-Sen Li *see* Li Zhi-Sen
Zhi-sheng Deng *see* Deng Zhi-sheng
Zhi-wei Gao *see* Gao Zhi-wei
Zhi-xiang Zhang *see* Zhang Zhi-xiang
Zhi-zhan Xu *see* Xu Zhi-zhan
Zhidkov, A.V. *see* Baranskii, P.I. 9—51612
Zhidkov, L.G., Tret'yakov, A.G., Beloshapkin, V.V. Bicentric expansion of potential function of molecular interaction 9—94056
Zhidkov', N.K. *see* Avdeichikov, V.V. 9—97711
Zhidkov, N.V. *see* Bessarab, A.V. 9—98941
Zhidkov, V.D. *see* Anisimov, O.A. 9—68167
Zhigacheva, I.V., Mokhova, Ye.N. Concentration of cytochromes in the liver at different stages of adaptation to cold 9—62196
Zhigalkin, A.K., Sidorov, Yu.L. Volume CO_2:N_2:He discharge with UV preionization 9—60211
Zhigalkin, A.K. *see* Vasil'ev, B.I. 9—89721
Zhiglinskii, A.G., Kalmakov, A.A., Tsarev, V.I., Shcherbakova, T.N. Investigation of correlations in an arc spectrum 9—52828
Zhiglinskii, A.G., Kund, G.G., Morozov, A.O. Holographic investigation of the coherence properties of the radiation from a hollow-cathode discharge 9—76784
Zhiglinskii, A.G. *see* Dunaev, V.V. 9—54179, 9—55564

Zhiguleva, I.S., Smilga, V.P. The electrostatic properties of a discrete, stochastic electric double layer 9—96318
Zhih-Shen, D., Chih, C. An experimental investigation of the crack-tip strain and stress 9—68669
Zhihui Zhu *see* Zhu Zhihui
Zhileikin, Ya.M. *see* Balashov, I.F. 9—55160
Zhilenikin, Ya.M. *see* Amosov, A.A. 9—89976
Zhilevsky, A.I. *see* Dubnishchev, Yu.N. 9—77305
Zhilin, A.N. *see* Belov, S.N. 9—86628
Zhilinskii, A.P., Kuteev, B.V., Smirnov, A.S. Investigation of an induction hf-discharge plasma in crossed fields 9—55465
Zhilinskii, A.P., Kuteev, B.V., Smirnov, A.S., Shevchenko, Yu.I. Molecular-gas discharge in a rotating electric field 9—77444
Zhilinskii, A.P., Kuteev, B.V., Smirnov, A.S., Tukhvatulin, R.Sh. Hall effect in an induction discharge 9—64833
Zhilinskii, A.P. *see* Bulanin, V.V. 9—68957
Zhilkin, A.M., Vasil'ev, V.D. Noncontact optoelectronic position transducers 9—50406
Zhilkin, A.M. *see* Ploshai, L.L. 9—76745
Zhilkin, A.M. *see* Torochkov, V.Yu. 9—72694
Zhilkin, V.A., Popov, A.M. Photometry of interference patterns 9—97414
Zhillinskii, A.P., Kuteev, B.V. Enhanced diffusion of a magnetized plasma in a dielectric chamber with a thermionic emitter 9—64901
Zhil'tsov, V.A., Skovoroda, A.A. Formation of a layer of electronic loss in open trap plasmas, with anomalous diffusion of electrons in regular low-frequency oscillations 9—90383
Zhil'tsova, N.E. *see* Artemova, A.A. 9—52857
Zhil'tsova, S.I. *see* Kaplyanskiy, A.A. 9—81475
Zhilyakov, S.M., Ivolga, V.V., Naiden, E.P. Anomalies of thermal expansion in ferrimagnets with a local canted structure 9—73762
Zhiming Xie *see* Xie Zhiming
Zhiqing Lin *see* Lin Zhiqing
Zhiryakov, B.M. *see* Valyanskii, S.I. 9—55877
Zhiryakov, V.V. *see* Kulemin, A.V. 9—91645
Zhislin, G.M. *see* Bugal'ter, S.A. 9—85006
Zhitar', V.F. *see* Areshkin, A.G. 9—90972
Zhitarev, V.E., Stepanov, S.B. Total cross section for the interaction of cold neutrons 9—93682
Zhitarev, V.E., Stepanov, S.B. Total cross section for interaction of cold neutrons with liquid and gaseous benzene 9—99055
Zhitaryuk, V.G., Guminetskii, S.G. A simplified method of determining the absorption coefficient of interference layers 9—99961
Zhitkyavichene, V.P. *see* Medeksha, G.G. 9—52521, 9—57076
Zhitnikov, R.A., Kartoshkin, V.A., Klement'ev, G.V. Determination of the cross sections for metastability exchange in the He^3-He^4 mixture from coherent transfer in the 2^3S_1 state 9—89743
Zhitnikov, R.A. *see* Bagraev, N.T. 9—65746, 9—78568, 9—90996
Zhitnikov, R.A. *see* Bagrayev, N.T. 9—51879
Zhitnikov, R.A. *see* Dovator, N.A. 9—98011
Zhitnitskii, A.R. On ambiguous fields in nonAbelian gauge theories 9—93297
Zhitnitskii, A.R., Skovpen, Yu.I. Does the Yang heavy axion exist? 9—49484
Zhitnitskii, A.R., Skovpen, Yu.I. On production and detecting of axions at penetration of electrons through matter 9—54431
Zhitomirskij, I.S., Kislov, A.M., Romanenko, V.G. A theoretical model of the heat transfer processes in multilayer insulation 9—94465
Zhivopistsev, F.A., Komas, F.E. Interaction effect in the final state of inelastic scattering of electrons in metals 9—69454
Zhivopistsev, F.A., Sukharevskii, V.G., Shitikova, K.V. Microscopic theory of preequilibrium decay of nuclei 9—75958
Zhizheiko, I.A., Khaimov-Mal'kov, V.Ya. Determination of the type of point defects involved in reactions of formation and decomposition of solid-phase inclusions in single crystals (a cobalt spinel inclusion in corundum) 9—95003
Zhizhin, G.N., Moskaleva, M.A., Shomina, E.V., Yakovlev, V.A. Boundary effects in the propagation of surface electromagnetic waves (SEW) at IR wavelengths along a metal surface 9—68441
Zhizhin, G.N. *see* Afanasyeva, N.I. 9—73913
Zhizhin, G.V., Ufimtsev, A.A. Flow in the plane laminar boundary layer of dilatant liquids 9—64712
Zhizhin, G.V., Ufimtsev, A.A. Flow of pseudoplastic liquids in a planar laminar boundary layer 9—86470
Zhmakin, L.I. *see* Shpil'rain, E.E. 9—82366
Zhmudskii, A.Z., Surzhko, V.F., Shiyanovskii, V.I. Mechanism of formation of X-ray emissive short-wave satellite lines in the K-series 9—91538
Zhmur, L.E. *see* Gershman, B.N. 9—96858
Zhmurov, S.A. *see* Khromov, Yu.F. 9—52529
Zhoga, L.V., Titovets, Yu.F., Shpeizman, V.V. X-ray investigation of the low-temperature relaxation of local stresses in Si 9—69110
Zhoga, L.V. *see* Shpeizman, V.V. 9—61697
Zholkevich, V.N. *see* Chetverikov, A.G. 9—53031
Zholkovskii, E.K. *see* Semenikhin, N.M. 9—57234
Zholnerevich, I.I. *see* But'ko, A.I. 9—85989
Zholnerevich, I.I. *see* Gaisenok, V.A. 9—93978
Zholobov, V.V., Zholobova, L.G. Simple wave equations of one-dimensional motion of a gas-dust mixture 9—86496
Zholobova, L.G. *see* Zholobov, V.V. 9—86496
Zhong Qiang *see* Chao Jiping 9—84446
Zhong Ronggen A study of formation, movement and forecasting of southwestern low-level jet streams over south-China during the period from April to June 9—66744
Zhong Wan-xie, Qiu Chun-hang Analysis of shell structures with C_{nv} symmetry 9—72804
Zhong Zeng-yong *see* Chen Gan-sheng 9—74229
Zhong-heng Guo *see* Guo Zhong-heng
Zhong-lei Wei *see* Wei Zhong-lei
Zhong-li Wu *see* Wu Zhong-li
Zhong-Lin Ma *see* Ma Zhong-Lin
Zhong-Mo Chen *see* Chen Zhong-Mo
Zhong-ren Zhao *see* Zhao Zhong-ren
Zhong-Ruo Yang *see* Yang Zhong-Ruo
Zhong-Xian Zhao *see* Zhao Zhong-Xian
Zhong-xiang Wu *see* Wu Zhong-xiang
Zhong-xiong Pan *see* Pan Zhong-xiong
Zhong-Yuan Li *see* Li Zhong-Yuan
Zhong-zhen Li *see* Li Zhong-zhen
Zhongmin Yu *see* Yu Zhongmin
Zhornyak, A.F., Oliker, V.E. The annealing of phosphorus cast iron powder in hydrogen 9—66025
Zhornyak, A.F., Oliker, V.E. Properties of iron powders produced from various iron-carbon melts 9—70013
Zhornyak, A.F., Oliker, V.E. Effect of particle-size distribution on the processing properties of atomized iron powder with and without a zinc stearate addition 9—100077
Zhorov, G.A., Panasyuk, I.O., Samoilov, A.I. Integrated hemispheric degree of blackness and specific electric resistance of heat-resistant Kh20N80 and KhN45V30 alloys 9—86912
Zhorov, G.A., Yagunov, K.A. Effect of thickness of oxide film on the emissivity and reflectivity of heat-resistant metals and alloys 9—82364
Zhorov, G.A. *see* Terent'eva, V.S. 9—60529
Zhorova, L.P. *see* Lashko, N.F. 9—70055
Zhorovkov, M.F. *see* Naumov, I.I. 9—99279
Zhotikov, V.G. *see* Borovik-Romanov, A.S. 9—82965
Zhou Bing-lin, Wang Ler, Shao Yong-fu, Chen Qi-yu Measurement of deep level traps in GaAs 9—91072
Zhou Cheng-ti Theory of plastic stability of stiffened thin shells with initial imperfections 9—72824
Zhou Cheng-ti The theory of generalized stress intensity factor 9—94554
Zhou Cheng-ti The nature of singularity at the crack-tip 9—94555
Zhou Guang-Yu *see* Ye Lin-Cai 9—62591
Zhou Guang-zhao, Su Zhao-bing Renormalization of the closed time path Green's functions in non-equilibrium statistical field theory 9—80758
Zhou Guang-Zhao, Su Zhao-bing On the Dyson equation and the Ward-Takahashi identities of the closed time path Green's functions 9—80759
Zhou Guo-Sheng An approximate analysis on concave (plane) grating-mirror stable resonator 9—50324
Zhou Guozhi Influences of van der Waals' force upon diffusion-controlled reaction rate—with a discussion on Smoluchowski's formula applied in nonspherically symmetric reaction systems 9—100335
Zhou Heng Stability of gyroscopes of two degrees of freedom with gas lubricated spin axis bearings 9—63205
Zhou Jing, Chang Xin, Guo Ke-xin An observation of unhealed porosities and crystalline steps in aluminium alloy forgings 9—74178
Zhou Li-nong, Xie Jia-lin A bi-periodic accelerator structure 9—59286
Zhou Li-zen *see* Chao Bo-lin 9—80188
Zhou Rui-Qi *see* Peng Wan-Li 9—62464
Zhou Xian-Jian *see* Dong Fang-Xiao 9—49481
Zhou Yong-xin, Huang Qing-zhu, Chen Qian-ti, Deng Ding-qing, Pu Shao-kang Effect of copper on the recrystallization texture of cold rolled low carbon steel sheet 9—74173
Zhou Yun-hua The measurements of the atmospheric turbidity on the Hulunbeier grassland and preliminary study on the transport of dust 9—84485
Zhou Yun-sheng *see* Zhang Qi 9—74890
Zhou-Yuan Wang *see* Wang Zhou-Yuan
Zhovnir, G.I. Derivation of nonisothermal transfer equations of hyperbolic type from a variational principle 9—68543
Zhovtyanskii, V.A. *see* Chutov, Yu.I. 9—77355
Zhu, R.Y. *see* Barber, D.P. 9—89175, 9—97631
Zhu Bao-zhen On the approach to the modernization of synoptic prediction 9—84453
Zhu Chong-yuan, An Ying, Zhao Wan-yun The tensor meson decays of the J particle in SU_4 model 9—75767
Zhu Chong-Yuan, Chen Shi Production of ϒ particles 9—49480
Zhu Chuan-Zhen *see* Niu Zhi-Ren 9—62436
Zhu Guo-Liang *see* Wan Lai 9—80319
Zhu Qiongrui Preparation and study of the violet and near ultraviolet sensitive silicon photodiode 9—49285
Zhu Ru-zeng The statistical derivation of the radiation damping constant of a classical electric oscillator 9—80427
Zhu Wei, Lu Ji-Zong, Zhang Min-Sheng, Yin Peng-Cheng A ϕ^4-type bag model of hadrons—the 'rubber bag' model. I. Theory 9—49479
Zhu Wei, Zhang Min-sheng, Lu Ji-zong, Feng Cheng-tian, Chu Jun-hao A ϕ^4-type bag model of hadrons—the 'rubber bag' model. II. The mass spectra of hadrons 9—80812
Zhu Yong, Zhang Dao-Fan The electro-optic, pyroelectric, dielectric and piezoelectric properties of the single crystal $Sr_4NaLiNb_{10}O_{30}$ 9—69810
Zhu Yong-qi, Li Cheng-yi, Zeng Cheng-kai, Li Bo-gen Lowest sea-level of continental shelf of the East China Sea in the Late Pleistocene 9—79867
Zhu Yong-tai *see* Wu Zhong-li 9—59088
Zhu Yun On the basic equations of Cooper-pair tunnel triode and anharmonic wave coherent radiation 9—65604
Zhu Zhihui *see* Chao Jiping 9—84446
Zhu-xia Li *see* Li Zhu-xia
Zhuang Song-lin, Chen Xiang-zhen A study of Fresnel fringe on high-resolution electron microscope under partially coherent illumination 9—94142
Zhuchenko, A.A. *see* Demidovich, O.V. 9—69272
Zhuchko, V.E., Ostapenko, Yu.B., Smirenkin, G.N., Soldatov, A.S., Tsipenyuk, Yu.M. Properties of angular anisotropy of deep subbarrier photofission of even-even nuclei 9—97739
Zhuchkova, N.A. *see* Kudryavtseva, Z.I. 9—61871
Zhugzhda, Yu.D. Magnetogravity waves in an isothermal conductive atmosphere 9—92670
Zhugzhda, Yu.D., Merkulenko, V.E. The five-minute oscillations in the temperature minimum of the solar atmosphere 9—62808
Zhuikova, T.N. *see* Fialkov, A.S. 9—91600
Zhuk, D.S. *see* Gembitskii, P.A. 9—50177
Zhuk, I.P., Golovicher, L.E. Dielectric properties and dielectric relaxation in nematic liquid crystals 9—61301
Zhuk, I.P., Golovicher, L.E. An experimental study of dielectric properties of nematic liquid crystals 9—87383
Zhuk, I.P., Karolik, V.A. A study of the temperature dependence of the magnetic susceptibility of nematic liquid crystals 9—51737
Zhuk, I.P. *see* Derban, V.I. 9—81706
Zhuk, V. *see* Vavryshuk, Ya. 9—49597
Zhuk, V.I., Ryzhov, O.S. On a property of the linearized boundary layer equations with self-induced pressure 9—86458
Zhukauskas, A.A., Katinas, V.I., Perednis, E.E., Sobolev, V.A. Streamline flow and vibrations of radial banks of heat exchanger pipes in transverse flow of liquid 9—81973
Zhukauskas, A.A. *see* Poshkas, P.C. 9—94583
Zhukauskas, A.A. *see* Poshkas, P.S. 9—94619
Zhukhovitskii, A.A. Advances in gas chromatography 9—52809
Zhukov, A.A. Geometrical thermodynamics of ferro alloys alloyed with graphitising elements 9—52261
Zhukov, A.A. Electronic structure of metals and alloys and the thermodynamics of structure formation 9—99475
Zhukov, A.A., Popel', S.I., Kozhurkov, V.N. Influence of copper on properties of phase interface in Fe-Ag system 9—51261
Zhukov, A.A. *see* Sil'man, G.I. 9—96125
Zhukov, A.I. *see* Bar'yakhtar, V.G. 9—95584
Zhukov, G.V. *see* Lavrov, M.I. 9—92807
Zhukov, M.W. *see* Wiebicke, H.J. 9—97692
Zhukov, N.D. Some special features of the fatigue resistance of heat-resistant casting alloys 9—66159
Zhukov, N.D., Makritskii, Y.V., Sosnovskii, S.A. Degradation of heterolasers at high temperatures 9—50298
Zhukov, N.N. *see* Kuznetsova, R.I. 9—83258
Zhukov, P.G., Ivanov, V.S., Rabinovich, M.S., Raizer, M.D., Rukhadze, A.A. Stimulated Compton scattering by a relativistic electron beam 9—86122
Zhukov, S.A., Barelko, V.V., Merzhanov, A.G. On the theory of wave processes at heat-releasing surfaces during boiling of liquids 9—90773
Zhukov, S.V., Terminasov, Yu.S. Feasibility of separating internal friction components in the early stages of plastic deformation of aluminium 9—52282
Zhukov, V.A., Savyalov, V.V., Koba, B.V., Litvinov, V.L., Sadikov, V.P., Ukhin, N.A. Electrical properties of silicon, irradiated by neutrons and γ-quanta, in strong electric fields 9—95416
Zhukov, V.A. *see* Grebinnik, V.G. 9—56667, 9—56694, 9—87369
Zhukov, V.B. Vibrations of rings with circular cross section 9—90172
Zhukov, V.M. *see* Grishanov, B.I. 9—74067

Zhukov, V.P. A method of stability analysis of nonlinear systems 9—84947
Zhukov, V.P. *see* Gubanov, V.A. 9—65921
Zhukov, V.V. *see* Mozhaev, A.P. 9—52141
Zhukov, Yu.P. *see* Kulakov, M.V. 9—49202
Zhukova, E.N. *see* Gulyaev, A.P. 9—57086
Zhukova, L.A., Shalumov, B.Z., Kuznetsov, A.I., D'yakova, V.V., Ryabenko, E.A., Antonova, S.L. IR-spectroscopic investigation of silicon doped with B_2O_3 [sic for silicon read silica] 9—78664
Zhukova, N.I., Kazantsev, A.P., Kazantsev, E.F., Sokolov, V.P. Interaction between atoms in a light field 9—54936
Zhukova, N.I., Kazantsev, A.P., Sokolov, V.P. Bound states of atoms in an optical resonance field 9—93958
Zhukova, S.A., Farztdinov, M.M. Elastic scattering of slow neutrons on domain boundaries in rare-earth orthoferrites 9—82811
Zhukovskii, P.V., Stel'makh, V.F., Tkachev, V.D. Amorphization of semiconducting materials by high-energy ions 9—51172
Zhulanov, Yu.V., Sadovskii, B.F., Nevskii, I.A., Petryanov, I.V. A laser spectrometer for submicronic aerosols 9—54244
Zhulanov, Yu.V., Sadovskii, B.F., Petryanov, I.V. Automatic method for determining the Stokes size of aerosol particles 9—93096
Zhulin, I.A., Kopaev, I.M., Korepanov, V.E., Pudovkin, M.I., Lazutin, L.L., Boutonnet, A., Treilhou, J.P. On some results of the balloon stratospheric electric field during the SAMBO-1 experiment 9—66738
Zhulin, I.A., Kopaev, I.M., Osipov, N.K. The electric field in the negative phase of the magnetic storm of March 20-21, 1975, based on balloon observations 9—79921
Zhulin, I.A., Lazutin, L.L., Treillhou, J.P. Investigation of energetic particles in the magnetosphere using the 'Sambo' program of international ballon experiments 9—80081
Zhulin, I.A. *see* Vnuchkov, G.A. 9—80073
Zhumagulov, A. *see* Vedernikov, M.V. 9—65445, 9—69492
Zhumanova, K.M. *see* Isabaev, S.M. 9—83181
Zhuo Yi-zhong, Wu Xi-zhen Master equations for coupling system 9—93038
Zhuraev, T.D. *see* Achilov, B.M. 9—96423
Zhurakhovskiy, V.A. Analytical solution of the nonlinear equations of state of electrons in the resonator of a gyro device with a uniform electromagnetic field 9—81348
Zhurakovskii, A.P., Gluskin, E.S., Elango, M.A. Excitation of recombination luminescence in α-Al_2O_3 by synchrotron radiation of 70-220 eV energy 9—95841
Zhurakovskii, E.A., Paderno, Yu.B., Zadvornyi, L.I., Bondarenko, T.N., Dzeganovskii, V.P., Ivanchenko, L.A. Some properties of several boron modifications and their electronic structure 9—94954
Zhurakovs'kii, E.A. *see* Sharanevch, L.N. 9—52046
Zhurakovs'kii, E.A. *see* Sharanevich, L.N. 9—78790
Zhurakovs'kii, E.O., Bondarenko, T.N., Dzeganovs'kii, V.P. Electron bands and X-ray spectra of deficient vanadium carbides 9—51482
Zhurakovskii, V.M. Mechanical properties and wear resistance of graphitized steel 9—96050
Zhuravlev, A.F. *see* Gurevich, M.E. 9—73744
Zhuravlev, B.V. *see* Biryukov, N.S. 9—67666, 9—80940
Zhuravlev, G.I. *see* Bykovskii, Yu.A. 9—83532
Zhuravlev, G.I. *see* Dgebuadze, T.P. 9—66249
Zhuravlev, O.K. *see* Demidov, A.M. 9—89268
Zhuravlev, V.A. Crystallisation of binary alloy under conditions of parabolic stability 9—70054
Zhuravlev, V.S. *see* Blinov, A.A. 9—49251
Zhuravlev, Yu.A. Heat-exchange calculation methods for inhomogeneous absorbing and dispersive media with allowance for a complex radiation spectrum 9—81698
Zhuravleva, L.A. *see* Stetsovskii, A.P. 9—87387
Zhuravleva, R.B., Titlinov, V.S. Frequency and geometric induction sounding of stratified media using vertically displaced sensors 9—58119
Zhuravskii, L.G. *see* Drobyazko, S.V. 9—89886
Zhurilenko, B.E. *see* Danilov, V.V. 9—73704
Zhurkin, V.V., Ivanchenko, I.M., Kanavets, V.P., Karpenko, N.N., Levintov, I.I., Martynov, V.I., Mikhailov, O.E., Morozov, B.V., Nesterov, V.M., Polyakova, L.M., Ryltsov, V.V., Cherkalina, T.S. Asymmetry in summed scattering of polarized protons on nuclei at 2.1 GeV/c 9—89313
Zhurkov, S.N. *see* Eron'ko, S.B. 9—99991
Zhuze, A.L. *see* Gurskaya, G.V. 9—88051
Zhuze, V.P., Karin, M.G., Sidorin, K.K., Startsev, G.P., Shelykh, A.I. Optical properties and electronic structure of samarium monosulfide 9—69859
Zhuzhunashvili, A.I. *see* Atamanov, V.M. 9—99006
Zhvalev, V.F. *see* Kondratyev, K.Ya. 9—100956
Zi-Ming Gu *see* Gu Zi-Ming
Zi-ping Li *see* Li Zi-ping
Zi-Qiang Guo *see* Guo Zi-Qiang
Zi-Xian Zhang *see* Zhang Zi-Xian
Zi-Zhao Gan *see* Gan Zi-Zhao
Zia, R.K.P. Classical orbits of a charged particle in a magnetic monopole field 9—97139
Zia, R.K.P. *see* Wallace, D.J. 9—97333
Ziabicki, A. *see* Jarecki, L. 9—94923
Zibold, G. Magnetic susceptibility of AuFe alloy films 9—61119
Zibold, G. Is the cusp of the susceptibility of AuFe spin glasses due to clusters? 9—61163
Zibold, G., Korn, D. Apparatus for the measurement of the initial susceptibility of quench-condensed spin glass films 9—54160
Zibold, G. *see* Korn, D. 9—61081, 9—69655, 9—83044
Ziborov, A.I. *see* Mashchenko, V.E. 9—73974
Zibrov, A.S. *see* Velichanskii, V.L. 9—68396
Zibuc, J.A. Experimental investigation of charges on the surfaces in the system photoinsulator—air gap—dielectric 9—67407
Zichichi, A. *see* Basile, M. 9—76275
Zichy, E.L. *see* Cooper, W.D. 9—79250
Zichy, E.L. *see* Rance, D.G. 9—79251
Zichy, E.L. *see* Wilson, J.C. 9—79249
Zichy, J. *see* Bolger, J. 9—85515, 9—85532
Zickendraht, W., Rustgi, M.L., Brandt, R.G. Cross-section and polarization in the photodisintegration of the deuteron with arbitrary number of electromagnetic multipoles 9—80923
Zidarov, D.P. A direct solution of the inverse gravimetric problem at a given law of the density—trap method 9—58101
Zidarov, D.P. Partially regulated solutions of overdetermined systems of linear equations used in geophysics 9—66825
Zidarov, D.P., Petrova, T.D. Representation of the Earth's magnetic field as a field of a circular current loop 9—84105
Zidek, A., Moucka, M. The effect of initial texture on the course of secondary recrystallization in 3% silicon steels 9—91711
Zidek, A., Sobecka, E., Moucka, M. The effect of small plastic strain on texture formation in Fe-3% Si alloy 9—79002
Zidek, M., Cihal, V. Influences of Mo content, degree of stabilisation and heat treatment on the sensitivity of austenitic stainless steels to intergranular corrosion 9—70095
Zidulka, A., Sylvester, J.T., Nadler, S., Anthonisen, N.R. Lung interdependence and lung-chest wall interaction of sublobar and lobar units in pigs 9—83825
Ziebeck, K. *see* Frey, F. 9—51252
Ziebeck, K.R.A. *see* Stirling, W.G. 9—61090
Zied, A.M., Womble, M.E. Application of a partitioned Karhunen-Loeve expansion scheme to ECG/VCG data compression 9—79506
Ziegelmann, H. Practical calculations of p-d scattering 9—71854
Ziegenbein, B., Birnbreier, H. Design, operation and performance of the BBC solar house 9—57405
Ziegenbein, D., Baldeweg, F., Maletti, R. On-power measurements of reactor parameters 9—89467
Ziegenbein, D. *see* Afanas'ev, V.A. 9—89400
Ziegenbein, D. *see* Fuge, R. 9—76081
Ziegert, J.C., Lewis, J.L. In-vivo mechanical properties of soft tissue covering bony prominences 9—62415
Ziegler, A. On the thermodynamics of the fuel damage in TMI-II 9—93739
Ziegler, B. Total photonuclear cross sections for light nuclei 9—71841
Ziegler, E. *see* Kuhnel, G. 9—95419
Ziegler, E. *see* Siegel, W. 9—49215
Ziegler, J. *see* Korn, D.M. 9—71554
Ziegler, K. Running in of VICKSI and first operating experience 9—54627
Ziegler, K.H. *see* Sixt, G. 9—61770
Ziegler, L.D., Albrecht, A.C. Preresonance Raman scattering of overtones: the scattering of two overtones of benzene in the ultraviolet 9—59471
Ziegler, L.D., Albrecht, A.C. Ultraviolet preresonance Raman scattering of benzene derivatives. I. Excitation profiles for fundamentals 9—64007
Ziegler, L.D., Albrecht, A.C. Ultraviolet preresonance Raman scattering of benzene derivatives. II.Interference effects in the excitation profiles of the vibronically active fundamentals 9—64008
Ziegler, M.L. *see* Nuber, B. 9—60311
Ziegler, N.F. Control system for the Holifield heavy ion research facility beam buncher 9—72148
Ziegler, N.F. *see* Juras, R.C. 9—72216
Ziegler, P. *see* Adam, S. 9—54701
Ziegler, P. *see* Esmen, N.A. 9—52784
Zieher, K.W. *see* Citron, A. 9—72006
Ziel, A.van der *see* van der Ziel, A.
Ziel, J.van der *see* van der Ziel, J.
Ziel, J.P.van der *see* van der Ziel, J.P.
Ziel, J.P.Van Der *see* Van Der Ziel, J.P.
Zielenbach, W.J. *see* Pobereskin, M. 9—49819
Zielenkiewicz, W. *see* Cesari, E. 9—88956
Zielinski, A. *see* Lunarska, E. 9—96076
Zielinski, I.P. *see* Faessler, M.A. 9—93664
Zielinski, J. The effects of magnetic field and direct interaction between impurities in the Anderson model. Resistivity 9—51554
Zielinski, J., Kozarzewski, B. Second-order self-energy for the Anderson model. Analytical results 9—51463
Zielinski, J., Nowinowski-Kruszelnicki, N., Dabrowski, R., Zmija, J. Twisted-nematic effect in the mixtures of p-alkylbenzoates of p-cyanophenol 9—82947
Zielinski, P. *see* Braun, H. 9—58969
Zielinski, R.E. *see* Teaney, P.E. 9—49680
Zielinski, R.J. Unequal path interferometer alignment and use 9—85169
Zielinski, Z. *see* Petela, R. 9—74385
Zielnica, J. *see* Twardosz, F. 9—64496
Ziemba, B., Tyczynska, M., Lachman, W. Quantitative characteristics of the microstructure of devitrificates. II. Selecting the method of the quantitative characteristics. Some examples 9—100311
Ziemba, B., Tyczysnska, M., Lachman, W. A quantitative characteristic of the microstructure of devitrificates. I. Testing the microstructure and the methods of its description 9—91889
Ziemba, H. *see* Gronostajski, J. 9—79023
Ziemelis, U.O. *see* Parsons, R.R. 9—73995
Zien, T.F. Integral solutions of ablation problems with time-dependent heat flux 9—60088
Zien, T.-F., Chien, K.-Y., Driftmyer, R.T. Two-dimensional supersonic Jet impingement on a flat plate 9—94688
Ziencik, H. Identification of phase and structure of thin layers by a modified X-ray diffraction rotation method 9—55608
Zienkiewicz, O.C., Chang, C.T., Hinton, E. Nonlinear seismic response and liquefaction 9—57862
Zienkiewicz, O.C., Heinrich, J.C. A unified treatment of steady-state shallow water and two-dimensional Navier-Stokes equations—finite element penalty function approach 9—49056
Zienkiewicz, O.C. *see* Winnicki, L.A. 9—90149
Zientara, G.P., Freed, J.H. The variational method and the stochastic-Liouville equation. I. A finite element solution to the CIDN(D)P problem 9—64018
Zientara, G.P., Freed, J.H. The variation method and the stochastic-Liouville equation. III. Infinite elements for CIDN(E)P 9—94014
Zientara, G.P. *see* Stillman, A.E. 9—85157
Zieren, V. *see* van den Berg, H.A.M. 9—78488
Zierl, R., Czech, W., Kienle, P., Korner, H.J., Rehm, K.E., Sperr, P., Wagner, W. A picosecond bunching system at the Munich MP-tandem accelerator 9—85835
Zierl, R., Essel, H., Kienle, P., Korner, H.J., Rehm, K.E., Sperr, P., Wagner, W. Observation of the double-charge-exchange reaction $^{48}Ca(^{32}S,^{32}Si)^{48}Ti$ at E_{lab}=125 MeV 9—63701
Zierl, R. *see* Daniel, H. 9—68014
Zierold, K., Pietruschka, F., Schafer, D. Calibration for quantitative X-ray microanalysis of skeletal muscle cells in culture 9—100798
Zies, G. *see* Edelmann, J. 9—96240
Ziesche, P. *see* Muller, C. 9—51480
Ziesel, J.P., Teillet-Billy, D., Bouby, L., Paineau, R. Positive-ionization decay of the carbon K-shell excited negative-ion resonance in CO 9—54977
Zieske, P.L. *see* Miller, M.G. 9—66801
Ziff, R. *see* Campbell, L.J. 9—51329
Zigler, A., Zmora, H., Loebenstein, H.M., Schwob, J.L. Investigation of the transient ionizing regime of laser-produced plasma 9—55550
Ziino, G. Chirality invariance and 'chiral' fields 9—58892
Zijlstra, R.J.J. *see* Bosman, G. 9—78110
Zikeev, V.N. *see* Golovanenko, S.A. 9—91797
Zikeev, V.N. *see* Gulyaev, A.P. 9—96054
Zilauts, A.F. Classification of loading paths in theories of plasticity 9—98634
Zil'berberg, V.G. *see* Ostapenko, V.N. 9—100089
Zil'berman, L.S., Khodkevich, S.D., Yakimenko, L.M. True surface area of a platinum coating on a porous and a smooth titanium base metal 9—61877
Zil'berman, P.E. *see* Gulyaev, Yu.V. 9—65668, 9—78124
Zil'berman, P.Ye. *see* Gulyayev, Yu.V. 9—95507
Zilbershtein, A.Kh. *see* Solovev, L.E. 9—72484
Zilberstein, V. *see* Newhall, D.H. 9—88973
Zilinskas, G. *see* Keating, P.N. 9—64403
Zilinskas, R.A., Ivasauskas, A.J., Naujekas, J.J. Effect of growth conditions on the critical thickness of aluminium condensates 9—69985
Zilionis, S., Kevelaitiene, B., Simulyte, E. Growing high-resistivity $Al_xGa_{1-x}As$ layers by liquid-phase epitaxy 9—70008
Zilionis, S. *see* Dargys, A. 9—69613
Zilitinkevich, S.S., Chalikov, D.V., Resnyansky, Yu.D. Modelling the oceanic upper layer 9—84292
Zilker, D.P., Hanratty, T.J. Influence of the amplitude of a solid wavy wall on a turbulent flow. II. Separated flows 9—50715
Zilkha, E. *see* Ladurner, G. 9—53212
Zillig, W. *see* Stockel, P. 9—53038

Zilm, K.W., Conlin, R.T., Grant, D.M., Michl, J. Low-temperature natural-abundance ^{13}C NMR spectroscopy of matrix-isolated species. The anisotropy of the shielding tensor in ethylene 9—59491
Ziman, T.A.L. Excitations of dilute magnets near the percolation threshold 9—87270
Zimdahl, W. Relativistic Bogoljubov equations for superconductivity 9—73627
Zimin, V.D., Ketov, A.I. Turbulent convection in a cubic cavity heated from below 9—77092
Zimina, V.S. *see* Chertousov, V.A. 9—87663
Zimine, S. *see* Dosso, L. 9—57924
Zimkin, E.A., Klyuchevich, V.F. Absorption of gelatine on silver bromide 9—100420
Zimkin, I.N., Samoilova, T.V., Smirnov, B.I. Mechanical properties of crystals containing a rigid dislocation forest 9—99212
Zimm, B.H. *see* Barkley, M.D. 9—70509
Zimmer, A.M. *see* Taukulis, R.A. 9—96391
Zimmer, E. *see* Ringel, H.D. 9—93802
Zimmer, H.-G., Kornberg, H., Neuhoff, V. Quantitative evaluation of chromatograms 9—84064
Zimmer, J.E. *see* White, J.L. 9—95010
Zimmer, M.H. *see* Choplin, F. 9—91945
Zimmer, R., Gros, C.M. Numerical calculation of electromagnetic energy and temperature distribution in a microwave irradiated breast carcinoma: preliminary results 9—100697
Zimmer, R. *see* Gautherie, M. 9—100693
Zimmer, R. *see* Liepsch, D. 9—53166
Zimmerer, G. *see* Wenck, H.D. 9—98136
Zimmerer, R.W. A balance for all seasons [electronic weighing] 9—67255
Zimmerman, B. *see* Boggess, A. 9—71149
Zimmerman, B. *see* Oke, J.B. 9—92856
Zimmerman, C.H. *see* Fifield, L.K. 9—67701
Zimmerman, C.H. *see* Flowers, A.G. 9—85459
Zimmerman, C.H. *see* Pringle, J.S. 9—89296
Zimmerman, J.E., Sullivan, D.B. A milliwatt Stirling cryocooler for temperatures below 4K 9—67307
Zimmerman, J.M. *see* Sostre, S. 9—88173
Zimmerman, J.R. *see* Venable, W.C. 9—96526
Zimmerman, J.T.F. Topographic generation of residual circulation by oscillatory (tidal) currents 9—57954
Zimmerman, R.A. *see* Bogdanov, A.A. 9—79466
Zimmerman, R.E. *see* Parsignault, D.R. 9—49901
Zimmermann, G. *see* Lehmann, H.-R. 9—88562
Zimmermann, H., Pinkernell, J. Decentralized instrumentation and control system with bus transmission in nuclear power plants 9—97847
Zimmermann, H. *see* Diehl, P. 9—94017
Zimmermann, H. *see* Eyer, A. 9—78872
Zimmermann, H.-U. *see* Hattenbach, K. 9—67846
Zimmermann, H.W. *see* Pauluhn, J. 9—79446
Zimmermann, K.-H. *see* Dittrich, W. 9—67487
Zimmermann, K.J. Analysis and verification aspects of large flexible solar array design 9—96459
Zimmermann, M., Szedenits, E., Jr. Gravitational waves from rotating and precessing rigid bodies: Simple models and applications to pulsars 9—97271
Zimmermann, R. *see* Stolz, H. 9—90969
Zimmermann, R.U. *see* Mahrenholtz, O.H. 9—79570
Zimmermann, S. *see* Kusunoki, I. 9—96299
Zimmermann, W. *see* Berger, C. 9—49519
Zimmermann, W., Jr. *see* Brooks, J.S. 9—51335, 9—77852
Zimmermann, W., Jr. *see* Gearhart, C.A., Jr. 9—73371
Zimmermann, W., Jr. *see* Karn, P.W. 9—55967
Zimoglyad, L.S., Kazankin, O.N. Thermoluminescence of calcium halophosphates 9—95854
Zimoglyad, L.S., Kazankin, O.N., Vyatkin, V.P. The nature of defects causing thermostimulated luminescence of calcium halophosphate 9—56869
Zimukhov, V.P. *see* Smagin, V.A. 9—82840
Zin Sun *see* Sun Zin
Zinamon, Z. *see* Gilad, P. 9—77416
Zinchenko, A.I. Correctness of equations with non-differentiable operators 9—58529
Zinchenko, A.I. Fast processing of oil-field geophysical data 9—84540
Zinchenko, A.I., Strizhalo, V.A. Helium cryostat for prolonged low-cycle testing 9—52491
Zinchenko, A.I. *see* Golubev, E.G. 9—62587
Zinchenko, A.K. *see* Dashuk, P.N. 9—55600
Zinchenko, V.F. *see* Shkurpelov, A.A. 9—59105
Zinchenko, V.I., Trofimchuk, E.G. Solution of non-self-similar problems of the theory of a laminar boundary layer taking account of conjugated heat transfer 9—64687
Zinchenko, V.I. *see* Agranat, V.M. 9—77104
Zinchenko, V.I. *see* Bonch-Bruevich, A.M. 9—68900
Zinck, J.J. *see* Yates, J.T., Jr. 9—57292
Zindulis, A. *see* Kutra, J. 9—51699
Zinenko, V.I., Blat, D.Kh. Theory of phase transitions in $Me^{I}Me^{II}BX_4$ crystals 9—99837
Zingl, H. *see* Streit, L. 9—67589
Zingl, H., Haftel, M., Zankel, H. *(editor)* Few Body Systems and Nuclear Forces I 9—67567
Zingl, H., Haftel, M., Zankel, H. *(editor)* Few body systems and nuclear forces. II 9—80880
Zingl, H.F.K. *see* Schwarz, K. 9—63518, 9—67580
Zinichev, V.A. *see* Abranin, E.P. 9—75195
Zink, J.I. *see* Hardy, G.E. 9—61447
Zinke, O.H. *see* Jacovelli, P.B. 9—65435
Zinn, B.T. *see* Meyer, W.L. 9—50480
Zinn, K.G. *see* Grimmer, D.P. 9—83574
Zinn-Justin, J. Analysis of Ising model critical exponents from high temperature series expansion 9—99701
Zinn-Justin, J. *see* Brezin, E. 9—49385, 9—97976
Zinn-Justin, J. *see* Seznec, R. 9—88819
Zinnatullin, N.Kh., Gimranov, F.M., Flegontov, I.V., Kashchayeva, N.A. Nonisothermal flow of viscous or non-Newtonian fluids over rotors of centrifugal heat exchangers 9—77097
Zino, J.D. *see* Hall, D.G. 9—94372
Zinov'ev, A.S. *see* Bandurin, V.V. 9—50181, 9—75329
Zinov'ev, A.V., Lugovskoi, V.B. Nonequilibrium heating of an electron gas by laser radiation 9—55529
Zinov'ev, O.I., Takhirdzhanov, Kh. Acoustic spectroscopy—a method for the investigation of hydrogen bonds: liquid N-substituted amides 9—96303
Zinov'ev, V.A. The motion of a white spot of Jupiter's south temperature belt 9—70991
Zinov'ev, V.E. High-temperature anisotropy of the electrical resistivity of titanium and other HCP transition metals 9—65429
Zinov'ev, Yu.I. Drag of a blocked fluidized bed 9—64758
Zinovik, M.A. Synthesis, structure, and magnetic properties of spinel solid solutions in the system Cu-Mg-Fe-O 9—52142
Ziock, H.J. *see* Ellis, R.J. 9—85365
Ziock, K.O.H. *see* Ellis, R.J. 9—85365
Ziolkowski, K. *see* Piotrowski, S.L. 9—62870
Ziolkowski, Z., Wrobel, J., Derentowicz, H. Electron-optical 'Feniks' streak camera and its application to research on various quick-change dynamic processes 9—50391
Ziolo, J. The critical exponent for nitrobenzene-hexane mixtures determined by the nonlinear dielectric method 9—87373
Ziolo, J. Nonlinear dielectric effect for binary mixtures beyond the critical point 9—99816
Ziolo, J., Piotrowska-Szczepaniak, J. The temperature dependence of the non-linear dielectric effect for halogenobenzenes. II. Bromo- and iodobenzene 9—82908
Ziolo, J., Piotrowska-Szczepaniak, J. The temperature dependence of the non-linear dielectric effect for halogenobenzenes. I. Fluoro- and chlorobenzene 9—87372
Zioutas, K. *see* Backenstoss, G. 9—68336
Zipalova, V.F. *see* Margolin, A.M. 9—69781
Zipf, E.C., McLaughlin, R.W., Gorman, M.R. A study of the excitation and radiative decay of the $3s'\ ^3D^0$ and $3d\ ^3D^0$ levels of atomic oxygen 9—80064
Zipin, R.B. *see* Sawatari, T. 9—58765, 9—85124
Zipoy, D.M. Fabry-Perot inversion algorithm 9—75604
Zipp, P. Selection of electrode-to skin contact area and amplifier input impedance for quantitative surface electrography (ECG and EMG) 9—88205
Zippelius, A. *see* Gotze, W. 9—55631
Zippelt, K. *see* Malzer, H. 9—79789
Zipper, E. *see* Bialas-Borgiel, K. 9—51877
Zipser, L., Schumann, R. Fluidic frequency-analogue measurement system for extreme conditions 9—97396
Zirilli, F. *see* Jonsson, T. 9—92960
Zirke, R.J. *see* Hauser, E. 9—95865
Zirlin, A.M. *see* Shorshorov, M.Kh. 9—79039
Ziskin, Yu.L. *see* Neshpor, Yu.I. 9—62932
Zisman, M.S. *see* Dyer, P. 9—67786
Zisman, M.S. *see* Puigh, R.J. 9—93675
Zissell, R.E. Novalike object in Vulpecula 9—53822
Zissell, R.E. *see* Panagia, N. 9—58363
Zissell, R.E. *see* Pangia, N. 9—53834
Zissermann, D., Mantle, J.A., Wixson, S.E., Rackley, C.E. Quantification of left ventricular function from multiple ECG-gated acquisition cardiac imaging studies 9—70638
Zitelli, L.T. *see* Chen, W.H. 9—57198, 9—57199
Zito, G. *see* Armstrong, T.A. 9—85344
Zito, G. *see* Evangelista, C. 9—75788, 9—80843
Zito, R. A scaling law for interdiffusion in multilayer coatings 9—65262
Zito, R. Surface and grain boundary diffusion 9—90919
Zitrin, S., Yinon, J. Analysis of drugs by chemical ionization and electron impact mass spectrometry 9—57316
Zittartz, J. *see* Czycholl, G. 9—60779
Zittel, P.F., Little, D.D. Photodissociation of vibrationally excited hydrogen bromide 9—89717
Zittel, P.F., Little, D.D. Diffusion coefficients for Br_2 in NO and Br in Ar at 298K 9—90365
Ziurys, L.M. *see* Wilson, T.L. 9—88744
Zivanovic, M. *see* Davidovic, M. 9—55649
Zivojinov, J., Vujic, M., Petrovic, N. Condition of equilibrium between solid and vapour state of cadmium from the viewpoint of statistical and quantum mechanics 9—95154
Zizak, G., Cignoli, F., Benecchi, S. Local flame temperature precision by the two-line atomic fluorescence method and the photon-counting technique 9—71447
Zizic, B. *see* Davey, R.J. 9—74072
Zizic, B. *see* Napijalo, M.Lj. 9—55682, 9—56495
Zizic, B. *see* Ristic, R. 9—56047
Zizic, O. *see* Napijalo, M.Lj. 9—51615
Zlatanov, Z. *see* Boos, E.G. 9—67611, 9—89203
Zlatanovic, M. *see* Todorovic, M.S. 9—52856
Zlatev, Z., Thomsen, P.G. Application of backward differentiation methods to the finite element solution of time-dependent problems 9—72797
Zlateva, G. *see* Djambazova, L. 9—61798
Zlatic, V. *see* Gumhalter, B. 9—60886
Zlatic, V. *see* Horvatic, B. 9—99534
Zlatin, A.N. Elongation of a cylinder containing periodically located disk-shaped cracks 9—90186
Zlatin, N.A. *see* Volovets, L.D. 9—70171, 9—70172
Zlenko, V.Ya. *see* Fedyukina, G.N. 9—55916
Zlobin, A.M. *see* Zavada, N.I. 9—99245
Zlobin, V.I. *see* Kim, P.D. 9—65701
Zlobin, V.V. *see* Baranovskii, S.I. 9—81950
Zlobina, A.F. *see* Gruzdev, V.A. 9—88927
Zlobintsev, G.M., Iliev, L.B., Kozinets, V.V., Merisov, B.A., Ogneva, E.M., Ovcharenko, V.I., Pervakov, V.A. Temperature dependence of thermal conductivity of some titanium, vanadium, and tantalum solid solutions at low temperatures 9—91019
Zlobintsev, G.M., Iliev, L.B., Kozinets, V.V., Merisov, B.A., Ovcharenko, V.I., Ogneva, E.M., Pervakov, V.A. Heat conductivity of solid solutions of aluminium and tin in titanium at low temperatures 9—82574
Zlomanov, V.P. *see* Glushkov, E.A. 9—51599
Zmarsly, R. *see* Hansmann, I. 9—79607
Zmarzly, J. *see* Tokarzewska, M. 9—70037
Zmeevets, S.G. *see* Grinberg, N.M. 9—87728, 9—91796, 9—91800
Zmieva, T.F. *see* Ivanov, O.P. 9—68962
Zmievskii, V.I. *see* Konradi, G.G. 9—52436
Zmija, J. *see* Buda, M.J. 9—77818
Zmija, J. *see* Michalski, E. 9—94847
Zmija, J. *see* Wardzynski, W. 9—91471
Zmija, J. *see* Wojdowski, W. 9—99879
Zmija, J. *see* Zielinski, J. 9—82947
Zmijewska, W., Semkow, T. Determination of iodine in biological materials by neutron activation analysis 9—57828
Zmitrowicz, A. Coulomb friction forces during rotation 9—64597
Zmitruk, V.F. *see* Timoshenko, N.N. 9—87770
Zmora, H. *see* Zigler, A. 9—55550
Zmora, I. *see* Gammel, J. 9—93286
Zmudzinski, C. *see* Bretin, L. 9—74259
Zmudzinski, L. *see* Turska, E. 9—94921
Zmuidzinas, J. Anharmonic effect in ion-electron chains 9—60459
Znachkovskii, O.Ya. *see* Prokopenko, A.V. 9—66231
Znamenskii, N.P. *see* Koterov, N.I. 9—90153
Znamenskii, V.V. Numerical solution of the entrainment equation 9—81949
Znamirowski, Z. *see* Barycka, I. 9—70189
Znojil, M. Comment on 'Truncated space calculation of "exact" bound state energies' 9—88837
Znotins, T.A., Reid, J., Garside, B.K., Ballik, E.A. 4.3-μm TE CO_2 laser 9—89926
Zobel, V. *see* Eberhard, K.A. 9—80966
Zobel, V. *see* Neumann, W. 9—93864
Zobernig, G. *see* Brandelik, R. 9—63491, 9—93441
Zoboli, M. *see* Cancellieri, G. 9—50386
Zobor, E. *see* Burger, L. 9—76104
Zobov, E.A. *see* Andreev, S.I. 9—86634
Zocchi, R. The physical and chemical phenomena involved in the sintering of metals 9—83147
Zoetelief, J. *see* Broerse, J.J. 9—62361
Zofka, J. *see* Majling, L. 9—85566
Zogal, O.J. ^{139}La NMR study of substoichiometric lanthanum trihydride 9—91307
Zogg, H., Schwellinger, P. Phase transformation of the intermetallic compound Al_4Ca 9—78963
Zogheib, H., Pardo, B., Renard, D. Appearance and extinction conditions in dynamical theory, of electron diffraction spots that are forbidden kinematically 9—90498
Zograbyan, D.Sh. *see* Asatiani, T.L. 9—68132
Zograbyan, G.G. *see* Akimov, Yu.K. 9—49525
Zohni, O. *see* Lagu, A.V. 9—67604
Zoidze, N.A. *see* Garibashvili, V.I. 9—70087
Zoita, V. Dynamics of a laser irradiated dense plasma column 9—86597
Zoita, V. *see* Tsois, N. 9—90475
Zoita, V. *see* Zambreanu, V. 9—90474
Zolani, L. *see* Gyarmati, B. 9—85469
Zolin, V.F., Tsaryuk, V.I. Relationship between the structure and electronic-vibrational spectra of europium compounds with tetrahedral ligands 9—56850
Zolin, V.F. *see* Amiryan, A.M. 9—56849
Zolin, V.F. *see* Koreneva, L.G. 9—79478

Zolina, Z.K. *see* Rokhlin, L.L. 9—96001
Zolingen, R.J.C.Van *see* Van Zolingen, R.J.C.
Zoller, P. Resonant multiphoton ionization by finite-bandwidth chaotic fields 9—54819
Zoller, P. *see* Georges, A.T. 9—72542
Zoller, W. *see* Bridges, F. 9—83002
Zoller, W.H. *see* Maenhaut, W. 9—79937, 9—84382
Zolner, W.J. *see* Laird, J.C. 9—96494
Zolnowski, D.R. *see* Toth, K.S. 9—89241
Zolnowski, D.R. *see* Yamada, H. 9—93648
Zolotar, B. *see* Bo-In Lin 9—67892
Zolotar, B. *see* Crowther, R.L. 9—81001
Zolotar, B.A. *see* Crowther, R.L. 9—67844
Zolotarenko, Yu.P. Temperature of the washing fluid in an oliquely bored borehole 9—68555
Zolotarenko, Yu.P. *see* Shcherban', A.N. 9—68762
Zolotarev, S.N. *see* Baraz, A.R. 9—66108
Zolotarev, S.N. *see* Borodkina, M.M. 9—79006
Zolotarev, V.M., Kitushina, I.A., Sutovskiy, S.M. Optical characteristics of oils in the 0.4-15 μm band [marine pollution] 9—52968
Zolotarev, V.M. *see* Saidov, G.V. 9—51957
Zolotarev, V.P. *see* Krinchik, G.S. 9—67356
Zolotarev, V.V. Theory of many-particle processes. II. Numerical calculation of elementary excitations damping 9—56522
Zolotareva, K.M. *see* Vazhenin, V.A. 9—95639
Zolotarevskii, I.V., Snezhnoi, V.L. Determination of magnetic susceptibility of a paramagnetic matrix containing ferromagnetic inclusions 9—97407
Zolotarevskii, I.V., Snezhnoi, V.L., Sheiko, L.M. Magnetostriction of the para-process of austenitic alloys near the martensitic point 9—82850
Zolotavin, A.V. *see* Grigor'ev, E.P. 9—93520
Zolotavin, V.L. *see* Ivanov, B.N. 9—96388
Zolotavina, S.V. *see* Berg, N.A. 9—87428
Zoloth, S.R., Petersen, M.R., Beecher, M.D., Green, S., Marler, P., Moody, D.B., Stebbins, W. Species-specific perceptual processing of vocal sounds by monkeys 9—79563
Zoloth, S.R. *see* Petersen, M.R. 9—62268
Zolotojabko, E.V., Kashcheev, V.N. Critical scattering of Mossbauer radiation in condensed media. II 9—56635
Zolotorev, M.S. *see* Barkov, L.M. 9—85927
Zolotov, A.M. *see* Alekseev, E.G. 9—63676
Zolotov, E.M., Kiselev, V.A., Pelekhatyi, V.M. Determination of the characteristics of diffused optical waveguides 9—64341
Zolotov, E.M., Pelekhatyi, V.M., Prokhorov, A.M., Chernykh, V.A. Second harmonic generation in diffused $LiNbO_3$ waveguides 9—59770
Zolotov, E.M. *see* Belyaletdinov, I.F. 9—72706
Zolotov, E.M. *see* Bozhevol'nyi, S.I. 9—98511
Zolotoyabko, E.V., Birks, E.Kh., Vaivod, P.A., Gavrilov, V.N., Iolin, E.M., Martyshchenko, V.V. Mossbauer diffraction at the $Ba_xSr_{1-x}Nb_2O_6$ single crystal 9—56644
Zolotukhin, I.V. *see* Postnikov, V.S. 9—71442
Zolotukhin, O.G. *see* Gorelik, V.S. 9—56784
Zolotukhin, V.G. *see* Gel'man, B.G. 9—66948
Zolotukhina, N.A. *see* Guly'yel'mi, A.V. 9—62680
Zolotukhina, N.A. *see* Sizova, L.Z. 9—53655
Zolov, R. *see* Troev, T. 9—65953
Zomorrodian, M. *see* Deutschmann, M. 9—85345
Zon, B.A. Absorption of optical radiation in weakly ionized gases 9—93939
Zon, B.A., Preobraxhenskii, M.A. Fine structure of many-photon excitation spectra of the hydrogen atom 9—59419
Zon, B.A., Urazbaev, T.T. Magnetic rotation of the ellipse of polarization of powerful radiation in a resonant medium 9—50340
Zon, B.A. *see* Delone, N.B. 9—49997
Zon, B.A. *see* Golovinskii, P.A. 9—76526
Zong-Di Su *see* Su Zong-Di
Zong-lai Han *see* Han Zong-lai
Zong-quan Li *see* Li Zong-quan
Zong-wei Hu *see* Hu Zong-wei
Zong-wu Yue *see* Yue Zong-wu
Zong-Xian Wang *see* Wang Zong-Xian
Zoran, V. Simple relativistic correction of the scaling parameter for K-shell Coulomb ionisation 9—72407
Zorc, H. *see* Persin, M. 9—76867
Zorchenko, V.V., Lunkin, V.Ya., Sokolov, Yu.V., Udovenko, A.A. Conductivity of two-layer metal systems 9—51693
Zorchenko, V.V., Tetervov, A.P. Transport theory of electromagnetic oscillations in a semiconductor with a superlattice in an electric field 9—69521
Zorev, N.N. *see* Andrew, N.E. 9—55532
Zorii, V.I., Monastirskii, E.Ya., Serkiz, A.V., Chaikovskii, O.I., Polishchuk, E.S. A digital time pulse thermometer 9—49228
Zorin, A.B., Likharev, K.K. Applicability of the theory of the Josephson effect in tunnel junctions to weak links 9—56431
Zorin, A.M. *see* Shcherbinskii, V.G. 9—79212
Zorin, Z.M. Study of the profile of the meniscus of a liquid and the contact angles by the method of differential interference 9—56039
Zorin, Z.M. *see* Grivtsov, A.C. 9—74011
Zorn, G.T. *see* Esposito, B. 9—63489
Zory, P.S. *see* Botez, D. 9—98486
Zorzi, G.De *see* De Zorzi, G.
Zorzoli, A. *see* Bertagnoli, L. 9—62313
Zoschak, R.J. *see* Carli, G. 9—52910
Zotov, I.L. *see* Chernoplyokov, N.A. 9—54600
Zotov, Yu.P., Davydova, A.D., Kroshkina, N.N., Gorlov, V.I., Ablogin, M.I. Reaction of WSi_2-based silicide and borosilicide coatings with a tungsten substrate, and an estimate of their serviceability in air at elevated temperatures 9—87751
Zotter, B. *see* Borer, J. 9—72151
Zotter, B. *see* Hofmann, A. 9—72099
Zotti, G.De *see* De Zotti, G.
Zou Ben-san, Ye Heng-qiang, Wu Yu-kun, Guo Ke-xin On reduction of the high order twinning in FCC structure to a single rotation relationship 9—90669
Zou Zhen-long The first quantitative evidence of the gravitational wave 9—80483
Zou Zhen-long *see* Chen Jian-shen 9—62872
Zou Zhenlong, Huang Peng, Zhang Yuanzhong, Li Gendao, An Ying, Chen Shi, Wu Yongshi, He Zuoxiu, Ho Tso-Hsiu, Zhang Lining, Guo Hanying, Kuo Han-Ying Some researches on gauge theories of gravitation 9—80493
Zouboulis, E. *see* Bhaskar, N.D. 9—76459
Zouros, T.J.M., Eardley, D.M. Instabilities of massive scalar perturbations of a rotating black hole 9—54026
Zovorotnii, A.S. *see* Lugin, L.I. 9—61544
Zozulyaka, V.A. *see* Mikitishin, S.I. 9—52508
Zralek, M., Metzger, W.J., Van de Walle, R.T. Addendum to 'Test of an additive diquark spectator model for meson-baryon quasi-two-body reactions' 9—89114
Zralek, M. *see* Mazzucato, M. 9—89148
Zrelov, V.P., Ruzicka, J. On the role of Vavilov-Cherenkov radiation in experiments on optical transition radiation 9—99243
Zrnic', D. *see* Doviak, R.J. 9—53549
Zrnik, J., Karel, V., Longauer, S., Billy, J., Busa, J. Intercrystalline brittleness of martensite of the model alloy Fe-Ni-C caused by segregation and precipitation processes in austenite 9—70073
Zrodelny, F. *see* Machaj, B. 9—97955
Zschokke-Granacher, I. *see* Funfschilling, J. 9—69879
Zschokke-Granacher, I. *see* von Burg, K. 9—69877
Zsembery, J. *see* Erhan, S. 9—49550
Zsembery, J. *see* Lockman, W. 9—89205
Zsinka, L., Szirtes, L., Le Van So, Poko, Z. Thermoanalytical investigation of crystalline cerium phosphate 9—91938
Zsoldos, E. *see* Dezsi, I. 9—65775
zu Putiltz, G. *see* Herlach, D. 9—56701
zu Putlitz, G. *see* Gladisch, M. 9—56446
zu Putlitz, G. *see* Kowalski, J. 9—54385
zu Putlitz, G. *see* Metz, H. 9—56693
Zu Yan-yun *see* Feng Yu-biao 9—97977
Zu-rong Yu *see* Yu Zu-rong
Zubairuev, R.S. *see* Armirkhanov, Kh.I. 9—60856
Zubarev, A.L., Irgaziev, B.F., Podkopaev, A.P., Fridman, A.A. The theory of low-energy π-meson scattering by deuterons 9—54460
Zubarev, A.L., Podkopaev, A.P. Schwinger's variational principle in the nuclear two-body problem and in multichannel theory 9—75868
Zubarev, A.N. *see* Abdivaliev, L. 9—93568
Zubarev, I.G., Mikhailov, S.I. Influence of parametric effects on the stimulated scattering of nonmonochromatic pump radiation 9—64284
Zubarev, I.G. *see* Basov, N.G. 9—94298
Zubarev, I.G. *see* Efimkov, V.F. 9—98445
Zubarev, P.V. *see* Funke, V.F. 9—66097, 9—69267
Zubarev, P.V. *see* Yakutovich, M.V. 9—79034
Zubarev, S.V. *see* Dubrovkin, I.M. 9—67397
Zubareva, A.M., Iliev, S., Kushniruk, V.F., Rykhlyuk, A.V., Subbotin, V.G., Kharitonov, Yu.P. Semiconductor X-ray spectrometer with optical feedback 9—68124
Zubchenko, V.S., Kulish, N.P., Petrenko, P.V. Investigation of the residual electrical resistance in copper-aluminium α solid solutions 9—51547
Zubchenko, V.S., Kulish, N.P., Petrenko, P.V., Repets'kii, S.P. Influence of the short-range order and size effect on the residual resistivity of Cu-15 at.% Al alloy 9—99528
Zubenko, V.V. *see* Sovetnikova, V.G. 9—94965
Zuber, J.-B. *see* Brezin, E. 9—49385
Zubin, J.A. *see* Wiggins, J.W. 9—58848
Zubkov, P.I., Luk'yanchikov, L.A., Ryabinin, Yu.V. Electrical stability of detonation productsof condensed explosives 9—86635
Zubkov, V.M. *see* Danilychev, V.A. 9—59779
Zubkov, V.N. *see* Gavrilov, K.I. 9—94977
Zubkov, Yu.N. *see* Volkov, D.P. 9—88949
Zubkova, T.I. *see* Bakueva, L.G. 9—95489
Zubov, L.M. Universal quasi-static deformation for an incompressible isotropic body with memory 9—81735
Zubrilin, N.G. *see* Gnatovskii, A.V. 9—50327
Zubtsov, V.M., Sinkevich, O.A., Chuklova, V.T. Origination of a self-oscillating mode (magnetic striations) in a nonequilibrium magnetized plasma 9—86568
Zubtsovskii, V.N. *see* Uglov, F.G. 9—57811
Zucchiatti, A. *see* Capitani, G.P. 9—72034
Zucchiatti, A. *see* Giannini, M.M. 9—93579
Zuchner, H. *see* Boes, N. 9—52467
Zucker, I.J., Paik, D. Three-body forces and the third-order elastic constants of the rare gas crystals 9—51185
Zucker, M.S. Neutron correlation counting for the nondestructive analysis of nuclear materials 9—85605
Zuckerman, B. SiO masers in R Aquarii and other infrared stars 9—71036
Zuckerman, L. *see* Ramstack, J.M. 9—74704
Zuczkowski, W. *see* Suski, T. 9—65809
Zudkov, N.M. *see* Batavin, V.V. 9—56287
Zue, V. *see* Schwartz, R. 9—64440
Zuev, I.G. *see* Nikitin, G.S. 9—78990
Zuev, I.V. *see* Bykalin, N.N. 9—74090
Zuev, V.A., Korbutyak, D.V., Kryuchenko, Yu.V., Litovchenko, V.G. Electron-hole liquid at an interface in an Si_3N_4-GaAs layer structure 9—69434
Zuev, V.A., Popov, V.G. Investigation of the internal photoelectric emission and residual photoelectric effects in the $Si\text{-}SiO_2\text{-}Si_3N_4$ system 9—73599
Zuev, V.A. *see* Almazov, L.A. 9—51983
Zuev, V.A. *see* Drazhan, A.V. 9—91499
Zuev, V.A. *see* Gavrilenko, V.I. 9—61340
Zuev, V.A. *see* Voltsit, V.V. 9—69887
Zuev, V.E., Lopasov, V.P., Sinitsa, L.N. Spectra of atmospheric air and its components in the 1.06 μm region 9—66791
Zuev, V.S. *see* Basov, N.G. 9—89904
Zuev, V.V. Governing relationships of plasticity theory in strain and stress spaces 9—88812
Zuev, V.V. *see* Bykovskii, Yu.A. 9—69552
Zuev, Y.F. *see* Feldman, Y.D. 9—85149
Zueva, I.B. *see* Voronin, Yu.V. 9—52496
Zueva, N.M. *see* Gerlakh, N.I. 9—94729
Zugenmaier, P. *see* Bluhm, T.L. 9—65067
Zugna, S. *see* Gabrielli, I. 9—81610
Zugravescu, D. *see* Dorobantu, R. 9—58121
Zuidberg, B.F.J., Dymanus, A. Application of a laser heterodyne detector in submillimeter wave spectroscopy with a harmonic generator 9—72444
Zuidema, P., Gresnigt, A.M., Bouman, M.A., Koenderink, J.J. A quanta coincidence model for absolute threshold vision incorporating deviations from Ricco's law 9—53118
Zuiderwijk, E.J. *see* Hammerschlag-Hensberge, G. 9—80305
Zuikov, A.S. *see* Polonskii, V.S. 9—76947
Zuikov, A.S. *see* Styrikovich, M.A. 9—81710
Zuikova, N.A. *see* Mandzhgaladze, S.N. 9—57140
Zuilhof, M.J. *see* Tjon, J.A. 9—67554, 9—67678
Zuk, V. *see* Kutra, J. 9—51699
Zuk, W., Maczka, D., Latuszynski, A., Wasiak, A. Implantation with radioactive isotope ions Xe, Kr, P 9—82251
Zuk, W.M. *see* Awal, N.A. 9—80908
Zukauskas, A.A., Ulinskas, R.V. Heat transfer efficiency of tube bundles in crossflow at critical Reynolds numbers 9—98708
Zukauskas, A.A., Ulinskas, R.V., Bubelis, E.S., Sipavicius, C. Heat transfer from a tube bundle in crossflow at low Reynolds numbers 9—98712
Zukauskas, A.A., Zyugzda, I.I., Survila, V.Yu. Effect of turbulence on heat transfer from cylinders in crossflow at critical Reynolds numbers 9—98707
Zukauskas, A.A. *see* Drizius, M.-R. 9—94610
Zuker, A.P. *see* Cortes, A. 9—67685
Zukor, S.H., Burwell, E.L., Sikri, A.P. The Department of Energy's 1978 underground coal conversion program 9—87947
Zukotynski, S. *see* Nakagawa, H. 9—95415
Zukowska, M.I. *see* Jung, Ch. 9—59507
Zukowski, E. *see* Brzosko, J.S. 9—99012
Zukowski, W. *see* Brzosko, J.S. 9—99012
Zulczyk, W. *see* Lachnik, E. 9—96650
Zuliani, P.A. *see* Costa, M.D. 9—77432
Zulicke, L. *see* Havemann, U. 9—89755
Zumberge, M.A. *see* Faller, J.E. 9—80054, 9—92605
Zumerle, G. *see* Barone, L.M. 9—80835
Zumino, B. Supersymmetry and supergravity 9—63112
Zumino, B. *see* Ferrara, S. 9—97281
Zumino, B. *see* Grimm, R. 9—58610
Zumwalt, L.R., Beck, M.G., Mehta, S. Sorption and diffusion of iodine in concrete and containment uptake 9—67898
Zun-Qi Lin *see* Lin Zun-Qi
Zundel, G. *see* Leuchs, M. 9—76423
Zundel, G. *see* Roberts, N.K. 9—51955
Zunger, A., Cohen, M.L. Self-consistent pseudopotential calculation of the bulk properties of Mo and W 9—60748
Zunger, A., Freeman, A.J. Electronic structure of 1T-VSe_2 9—95324
Zunger, A., Kerker, G.P., Cohen, M.L. Calculation of the electronic properties of Mo in a first-principles nonlocal-pseudopotential approach 9—95319
Zunger, A., Topiol, S., Ratner, M.A. First-principles pseudopotential in the local-density-functional formalism 9—59328
Zuniga, I. *see* Velarde, M.G. 9—77500
Zuo-Xiu He *see* He Zuo-Xiu
Zuoxiu He *see* He Zuoxiu

Zupan, J. Problems in data retrieval systems for analytical spectroscopy 9—49297
Zupancic, C. *see* Alder, J.-C. 9—85381
Zupancic, C. *see* Gabioud, B. 9—67600
Zupancic, C. *see* Tran, M.T. 9—93665
Zupancic, I. *see* Blinc, R. 9—78635
Zupancic, M. *see* Mladjenovic, M. 9—75910
Zupanovic, P. *see* Zanchi, I. 9—54154
Zuqi Wang *see* Wang Zuqi
Zuravleva, M. *see* Aksinenko, V. 9—97713
Zurawski, B. *see* Sauer, J. 9—97972
Zurcher, J.-F. *see* Benoit, P. 9—68447
Zurcher, P., Meier, F. Optical magnetization of a metal: spin polarized photoemission from tungsten 9—78830
Zurcher, P., Meier, F. Spin-polarized photoelectrons from semiconductors with chalcopyrite structure: $ZnSiAs_2$ and $ZnGeAs_2$ 9—87557
Zurcher, P., Meier, F., Christensen, N.E. Optically polarized conduction-band electrons in tungsten observed by spin-polarized photoemission 9—74055
Zurcher, P. *see* Meier, F. 9—78842
Zurek, R. Methods of levitation for tracked high-speed traffic 9—49011
Zurek, R.W. *see* Leovy, C.B. 9—84719
Zurinski, V., Haerten, R. Real-time sonography with the linear array scanner Multison 400 9—62314
Zurkinden, A. *see* Auerbach, T. 9—81082
Zurmuhle, R.W. *see* Cannell, L.E. 9—97693
Zurmuhle, R.W. *see* Middleton, R. 9—81290
Zurmuhle, R.W. *see* Mulligan, L. 9—54379
Zurmuhle, R.W. *see* Young, K.C., Jr. 9—75901
Zushi, H., Michiyoshi, I. Propagation of electrostatic waves near the lower hybrid frequency in a toroidal plasma, NOVA-I 9—82055
Zusmanovich, A.G. *see* Bychkovskaya, A.Kh. 9—80137
Zutavern, F.J. *see* Freedman, S.J. 9—67703
Zuykova, E.M. *see* Grachev, A.A. 9—100968
Zvara, I. *see* Flerov, G.N. 9—96781
Zvara, M., Prosser, V., Schlegel, A., Wachter, P. Optical reflectivity of $CdCr_2Se_4$ single crystals in the visible and ultra-violet spectral region 9—99903
Zverev, A.A. Manifestation of quasi-biennial cycles in water temperature fluctuations in the north Atlantic 9—53357
Zverev, A.I. *see* Astakhov, E.A. 9—70195
Zverev, B.V. *see* Vikulov, V.F. 9—72030
Zverev, L.P. *see* Emlin, R.V. 9—73909
Zverev, M.M. *see* Bogdankevich, O.V. 9—59703
Zverev, S. *see* Angenheister, G. 9—57889
Zverev, V.A., Agurok, I.P., Rodionov, S.A., Sokol'skii, M.N. Automation of the analysis of the interference patterns obtained during optical system testing 9—76894
Zverev, V.A., Oskotskii, M.L., Shagal, A.M. On some unique aspects in the design of focusing lenses 9—72658
Zverev, V.L., Starkov, G.V., Feldstein, Y.I. Influences of the interplanetary magnetic field on the auroral dynamics 9—62641
Zverev, V.M., Silin, V.P. Theory of impedance of conducting ferromagnetics 9—91089
Zverev, V.N. *see* Gantmakher, V.F. 9—82626
Zvereva, K.V. *see* Sundukov, A.N. 9—79573
Zvereva, V.I., Ivanov, O.A., Shchetnikov, A.E. Magnetic properties of $(Sm_xNd_{1-x})Co_5$ compound powders obtained by the method of diffusional reduction 9—51812
Zverevskaya, E.Yu. *see* Zaitsev, V.V. 9—50916
Zverkhovskiy, Yu.Ye. *see* Pokryvaylo, N.A. 9—94746
Zverkov, M.V. *see* Belyaletdinov, I.F. 9—72706
Zverkov, M.V. *see* Bessonov, Yu.L. 9—98408
Zverkov, M.V. *see* Borodulin, V.I. 9—89933
Zverkov, M.V. *see* Goncharov, I.G. 9—90038, 9—94238
Zvezdin, A.K. Dynamics of domain boundaries in weak ferromagnets 9—73768
Zvezdin, A.K. *see* Belov, K.P. 9—61105, 9—61107
Zvezdin, A.K. *see* Nikitin, S.A. 9—87261
Zvezdin, Yu.I. *see* Bakhtiyarov, A.Sh. 9—87636
Zvezdinskaya, L.V., Smirnova, N.L., Belov, N.V. A system of polymorphic transitions between structural types closely akin to perovskite in ABX_3 compounds 9—60303
Zvezdinskaya, L.V., Smirnova, N.L., Belov, N.V. Carbonate and silicate branches in the system of polymorphic transitions of structural types of ABX_3 compounds 9—90591
Zvezdinskaya, L.V. *see* Smirnova, N.L. 9—86737
Zviadadze, G.N., Gulyanitskaya, Z.F., Pavlyuchenko, N.M., Blokhina, L.I., Blagoveshchenskaya, N.V. Interaction between palladium and nickel sulphides 9—52758
Zviadadze, M.D. *see* Abramovskaya, T.A. 9—56626
Zvigintsev, N.V., Zvigintseva, G.E. Calorimetric investigations of the reverse $\alpha \rightarrow \gamma$ transformation in iron-nickel alloys 9—83198
Zvigintsev, N.V. *see* Bogachev, I.N. 9—70153
Zvigintseva, G.E. *see* Zvigintsev, N.V. 9—83198
Zvijac, D.J. *see* Vila, C.L. 9—87835
Zvirgzds, J.A., Habbal, F., Nicola, J.H., Toms, D.J., Scott, J.F. Polariton scattering in potassium dihydrogen phosphate KDP 9—56795
Zvirin, Y. *see* Shitzer, A. 9—70464
Zvonarev, A.V. *see* Alekhin, L.A. 9—97898
Zvonkov, B.N. *see* Danilov, V.I. 9—56927
Zvonkova, Z.V. *see* Bulgarovskaya, I.V. 9—94991
Zvonov, V.A. *see* Efimov, N.A. 9—83464
Zvorykin, V.D. *see* Basov, N.G. 9—89930
Zvorykin, V.D. *see* Boiko, V.A. 9—90433, 9—90468
Zvyagin, A.I. *see* Anders, A.G. 9—61234, 9—87321
Zvyagina, K.N. *see* Bordina, N.M. 9—96441
Zvyagintsev, A.V. *see* Mitin, R.V. 9—55568
Zwang, N. *see* Breskin, A. 9—93884
Zwanzig, R. Nonlinear transport equations from statistical mechanics 9—75478
Zwanziger, D. Infrared catastrophe averted by Hertz potential 9—85250
Zwanziger, D. *see* Brandt, R.A. 9—49431
Zwart, M.De *see* De Zwart, M.
Zwart, P.A. *see* Glass, B.P. 9—66697
Zweben, S.J., Menyuk, C.R., Taylor, R.J. Small-scale magnetic fluctuations inside the Macrotor Tokamak 9—60184
Zweben, S.J., Menyuk, C.R., Taylor, R.J. Vacuum photodiode detector array for broadband UV detection in a Tokamak plasma 9—90464
Zweibel, E.G. *see* Spruit, H.C. 9—75183
Zweifel, H.J. Ultrasonics in medicine: present application of electronic diagnostic techniques 9—100683
Zweifel, P.F. Twenty years of transport theory 9—58659
Zweifel, P.F. *see* Arthur, M.D. 9—90398, 9—94775
Zweifel, P.F. *see* Bowden, R.L. 9—76051
Zweifel, P.F. *see* Burnap, C. 9—58530
Zweifel, P.F. *see* Cercignani, C. 9—80536
Zweifel, P.F. *see* Greenberg, W. 9—97314
Zwemer, D.A., Harris, C.B. Energy transfer in one-dimensional substitutionally disordered systems. II. Experimental results for 1,2,4,5-tetrachlorobenzene 9—52000
Zwemer, D.A. *see* Harris, C.B. 9—86997
Zwernemann, S.M., Becker, M.F. Enhancement of third harmonic generation in metal-dielectric waveguides 9—50342
Zwick, D.M. The technical basis of photographic speed determination or what is a normal exposure? 9—89020
Zwick, U., Auer, W., Riegl, I., Haupt, H., Heitmann, W. Low-loss fibres for wavelengths beyond 1 μm 9—50383
Zwicker, E. Odd-order nonlinearity in the ear 9—79559
Zwicker, W.K. *see* Chinn, S.R. 9—86184
Zwicker, W.K. *see* Choy, M.M. 9—59701
Zwiegel, J. *see* Kleber, M. 9—59536
Zyabrev, N.B. *see* Arsenin, V.Ya. 9—90322
Zyatkevich, D.P. *see* Kuzenkova, M.A. 9—100097
Zyatkov, I.P., Mogilinii, V.V., Nesterovich, A.V. Luminescence of copolymers of p-formylstyrene 9—56861
Zybalov, A.A. *see* Bratashevskii, A.S. 9—85305
Zybalov, A.A. *see* Derebchinskii, A.I. 9—76318
Zybert, L.H. *see* Behbehani, A.H. 9—80896
Zybert, R. *see* Behbehani, A.H. 9—80896
Zybin, V.A., Rykov, V.A. Calculation of spectra and mean values of linear energy transfer in interaction of neutrons with biological tissue 9—100659
Zybin, V.A., Rykov, V.A. Analytic representation of specific energy losses by recoil nuclei in biological tissue 9—100680
Zych, L.J. *see* Rahn, L.A. 9—94288
Zydzik, G.J. *see* Stocker, H.J. 9—81540
Zydzik, G.J. *see* Van Uitert, L.G. 9—49219
Zygan, V.N., Kesler, Ya.A., Gordeev, I.V., Tret'yakov, Yu.D. Thermochemistry of solution of alkali metal-containing oxide phases 9—95166
Zygan-Maus, R., Fischer, S.F. Transition rates between selected vibrational states in methyl halides: influence of anharmonicities 9—89747
Zykov, B.M., Ikonnikov, D.S., Tskhakaya, V.K. Oxidation of carbon on the face (110) of a molybdenum single crystal 9—52430
Zykov, D.D. *see* Vigdorchik, V.Kh. 9—94607
Zykov, K.I., Golubev, L.I., Kulakov, G.A. γ-spectroscopy experimental-computational method for investigation of the neutron field and depleted fuel in water-cooled-water moderated fuel elements 9—97933
Zykov, N.A. *see* Sevast'yanov, R.M. 9—82021
Zykov, V.V. *see* Bukreyev, V.I. 9—98804
Zykov, Yu.Yu. *see* Kiselev, B.G. 9—75920
Zyl, B.Van *see* Van Zyl, B.
Zylberstejn, A. *see* Chilingarov, A. 9—54365, 9—54368
Zylicz, J. *see* Celler, A. 9—76500
Zyma, V.L. *see* Bogach, P.G. 9—96512
Zyryanov, G.K. Surface optical phonons in lead sulfide 9—69339
Zyryanov, G.K. *see* Titov, L.A. 9—69165
Zysin, Ya.Yu. *see* Ashmarin, I.I. 9—91541
Zyskind, J.L., Parker, P.D. Remeasurement of the low-energy cross section for the $^{15}N(p,\alpha_0)^{12}C$ reaction 9—63665
Zyss, J. Hyperpolarizabilities of substituted conjugated molecules. I. Perturbated INDO approach to monosubstituted benzene 9—68189
Zyss, J. Hyperpolarizabilities of substituted conjugated molecules. II. Substituent effects and respective σ-π contributions 9—68190
Zyss, J. Hyperpolarizabilities of substituted conjugated molecules.III. Study of a family of donor-acceptor disubstituted phenylpolyenes 9—93924
Zytkiewicz, Z.R. Lattice matching in $Ga_xIn_{1-x}As_yP_{1-y}$-GaAs and $Ga_xIn_{1-x}As_yP_{1-y}$-InP structures 9—90901
Zytveld, J.B.van *see* van Zytveld, J.B.
Zytveld, J.B.Van *see* Van Zytveld, J.B.
Zyugzda, I.I. *see* Zukauskas, A.A. 9—98707
Zyulina, N.P. *see* Bokshtein, S.Z. 9—57009
Zywietz, F., Jung, H., Hess, A., Franke, H.D. Response of mouse intestine to 14 MeV neutrons 9—66490

BIBLIOGRAPHY INDEX

^{13}C NMR investigations of polymer structure, (97 refs.) 55013
^{149}Nd decay to levels of transitional ^{149}Pm, (50 refs.) 63628
4C radio galaxies structures and identifications, (63 refs.) 71137
^{67}Ga tumour localisation mechanisms, (65 refs.) 57768
$^{7}Li_2$, $B^1\Pi_u$-$X^1\Sigma_g^+$ band system, (146 refs.) 68256
Aarhus negative ion source, modified, (52 refs.) 81109
Ab initio calculations of spin densities in hydrocarbon radicals, (63 refs.) 93938
Absorption spectroelectrochemistry at platinum electrode, (52 refs.) 74395
Abundance ratios in outer planets, (62 refs.) 84734
Accessibility of high-beta Tokamak states, (58 refs.) 64829
Acoustic imaging and holography, (113 refs.) 64411
Acoustic imaging signal processing, (103 refs.) 64403
Acoustic microscopy, high resolution using mechanical scanning, (53 refs.) 98571
Acoustic specification and design of Supreme Being Studios, (134 refs.) 64400
Acoustic surface waves, (73 refs.) 50518
Acoustics, reference to contemporary papers, (9505 refs.) 86274
Actinides in stony meteorites, (53 refs.) 75162
Active galactic nuclei, (59 refs.) 88730
Active thermal NDT, (54 refs.) 70282
Adhesional strength, (93 refs.) 52619
Aeromagnetic investigation of Arctic Basin, (77 refs.) 70746
Aerosol formation on the flash photolysis of SO_2/gas mixtures, (66 refs.) 66307
AgCl, Frenkel defect formation energy and migration calcs, (53 refs.) 99179
Al-Zn-Mg-Cu alloy, high strength, mechanical properties, (61 refs.) 91654
Albert Einstein, physicist (1879-1955), (51 refs.) 67132
Alignment and defect structures in oriented phosphatidylcholine multilayers, (52 refs.) 92167
Alkali bromide solutions in propylene carbonate, dissociation and solvation number of ions, (61 refs.) 70319
Alkali metals, ion mobilities in gas, (64 refs.) 60101
Alpha decay theory, (144 refs.) 49612
Alpine gravitational and magnetic fields, (101 refs.) 70735
$Al_xGa_{1-x}As$ proton bombarded strip-geometry double heterostructure lasers, intensity pulsation study, (54 refs.) 94235
Amorphous arsenic, (171 refs.) 51935
Amorphous rare earth-transition metal films, (85 refs.) 82838
Amorphous semiconducting Si-B alloys, characterisation, (67 refs.) 69828
An atomic absorption bibliography for July-December 1978, (276 refs.) 87888
Analytical developments in crystal plasticity, (72 refs.) 60424
Angular dependent photoemission, (74 refs.) 61500
Anisotropic continuum theory of lattice defects, (179 refs.) 73162
Anisotropic superfluidity in ^3He, (169 refs.) 99387
Anomalous self diffusion in β-Zr, (60 refs.) 86918
Antoine Beclere, (64 refs.) 62982
Ap star magnetic and rotation axes, (58 refs.) 67013
Application of electon microscopy to organic solid-state chemistry, (77 refs.) 60235
Application of neutron diffraction to biological problems, (34 refs.) 62417
Archaean C and O cycles, (59 refs.) 84262
Ariel 5 hard X-ray observations, (50 refs.) 58444
Artificial radioactivity migration in the environment, survey of models, (66 refs.) 96487
Atlantic Ocean general circulation, (66 refs.) 74901
Atmosphere optical propagation: problems and trends, (93 refs.) 100947
Atmospheres of red supergiant stars, stellar interferometry, (52 refs.) 80309
Atmospheric Doppler radar probing, (77 refs.) 66811
Atmospheric electricity in relation to cloud physics, (135 refs.) 70842
Atmospheric gravity waves associated with hurricane, (56 refs.) 66872
Atmospheric mass motions, (53 refs.) 88419
Atmospheric nuclear tests and O_3 depletion, (75 refs.) 70848
Atmospheric O_2 and O_3 early history, (57 refs.) 84487
Atmospheric optical measurements, (75 refs.) 84480
Atmospheric pollution, remote measurement using laser techniques, (65 refs.) 70889
Atmospheric propagation in 100-1000 GHz range, (81 refs.) 92578
Atmospheric thermal structures of giant planets, (75 refs.) 84735
Atmospheric ultraviolet transmission, (60 refs.) 62575
Atom-molecule collision theory. A guide for the experimentalist, (1752 refs.) 72394
Atom transfer reactions, thermal rate constants, (76 refs.) 74371
Atomic geometry of semiconductor surfaces, (75 refs.) 51399
Atomic hydrogen in a uniform magnetic field: low-lying energy levels for fields below 10^9 G, (52 refs.) 72235
Atomic K-shell fluorescence yields: outer-shell effects, (80 refs.) 49980
Atomic line identification lists: supplement, (20 refs.) 54787
Atomic line shapes and shifts, (573 refs.) 49990
Atomic photoionisation, many-body perturbation calculations, (62 refs.) 59406
Atomic processes at liquid surfaces, (127 refs.) 60605
Auditory-frequency selectivity from acoustic measurements, (56 refs.) 83797
Auditory versus phonetic accounts of observed confusions between consonant phonemes, (60 refs.) 86308
AuFe alloy films, magnetic susceptibility, (56 refs.) 61119
Auger electron spectroscopy, (110 refs.) 92043
Auroral UV spectrum, (66 refs.) 70908
Automatic speech recognition, (204 refs.) 50536
Axonal transport: components, mechanisms, and specificity, (268 refs.) 96551
β-transitions, (516 refs.) 54407
Back-arc opening and subduction, (122 refs.) 70778
Bag model of hadrons, (118 refs.) 75736
Ball lightning, (248 refs.) 92577
$BaMnF_4$ phase transitions, (94 refs.) 78378
Batteries, (64 refs.) 83579
Be and shell stars, (103 refs.) 62832
Be-star polarization, (54 refs.) 75213
Be stars, (191 refs.) 84809
Benthic boundary layer, (90 refs.) 53352
Binary aqueous electrolyte solutions, thermal properties, (874 refs.) 100429
Bioenergetics and proton-electron systems of the membranes, (62 refs.) 57596
Biological effects of ultrasound, (132 refs.) 66498
Biomedical image processing and pattern recognition, (66 refs.) 62400
Biostratigraphic data, (51 refs.) 62593
Bipolar oscillatory spark discharge, (58 refs.) 73050
Black-hole phenomena, (57 refs.) 71064
Blanket structural material selection and development for Tokamak fusion reactors, (124 refs.) 97901
Blast waves and the interstellar medium, (57 refs.) 53845
Blood rheology, (53 refs.) 79582
Bose condensation into a state with finite momentum, (50 refs.) 97300
Bragg-diffraction imaging, (79 refs.) 64463
Brittleness of electron beam melted molybdenum, (73 refs.) 61728
Bubbly liquids, (51 refs.) 90067
Caledonian palaeomagnetism and tectonics, (67 refs.) 88244
Carbon-13 NMR spectroscopy of boron compounds, (170 refs.) 89691
Carbonaceous chondrite lAlates, (94 refs.) 62796
Cardiovascular dynamics instrumentation (1940-80), (69 refs.) 83983
Cat visual cortex receptive field properties, (69 refs.) 74662
Cell membrane radiobiology and radiation protection, (140 refs.) 70585
Cellular transport by receptor-mediated endocytosis, (72 refs.) 74611
Cenozoic palaeoclimates, South Africa, (90 refs.) 88471
Central catecholamine neuron systems, (211 refs.) 96548
Cephalopod retina photoreceptor potentials, (69 refs.) 62245
Chalk groundwater chemistry, (65 refs.) 66719
Characterization of heteroepitaxial thin-film semiconductors on insulating substrates, (24 refs.) 82497
Charge density wave instabilities and incommensurate structural phase transformations, (52 refs.) 51231
Charged sectors and scattering states in quantum electrodynamics, (50 refs.) 80775
Charm−4-quark model and beyond, (69 refs.) 80805
Chemical bonding, analysis using nuclear radiation techniques, (95 refs.) 79339
Chemical ionisation mass spectrometry, (122 refs.) 57313
Chemical properties of metal surfaces; organometallic molecules and enzymes, (71 refs.) 52757
Chemical releases in the ionosphere, (129 refs.) 101049
Chemical structure studies with positrons and mesons, (160 refs.) 79277
Chemical transport in non-stoichiometric Fe-S and V-O systems, (55 refs.) 69972
Chemisorbed atoms, island shapes as long-range interadatom interaction probe, (60 refs.) 65320
Chemisorption at ferromagnetic surfaces, (81 refs.) 91261
Chemistry for nonscientists−1968 to 1977, (134 refs.) 84881
Chevrel phases with high critical fields, (27 refs.) 61003
Chromatin research, (10 refs.) 79464
Chronology of discrete events in multiply deformed terrain, (72 refs.) 57895
Classical fluids, simulation by Monte Carlo techniques, (334 refs.) 82140
Climate modelling, (91 refs.) 74954
Climatic change−tectonic effects, (83 refs.) 62526
Clinopyroxene-orthopyroxene chemistry, (66 refs.) 62488
Cluster problem in physics of high energy particles, (63 refs.) 93384
Clustering phenomena and high-energy reactions, (103 refs.) 75874
Clusters of galaxies−photometry, (61 refs.) 88752
Coastal current observations, (91 refs.) 100868
Coherent optical pattern recognition, (75 refs.) 64182
Coherent phenomena in multilevel NMR system, (49 refs.) 73831
Collisional activation spectrometry, (64 refs.) 76531
Combining X-ray and neutron diffraction: The study of charge density distributions in solids, (129 refs.) 60227
Compact H II regions, (76 refs.) 62883
Comparison of the thermodynamic properties and high temperature chemical beahvior of lanthanide and actinide oxides, (73 refs.) 100127
Compilation of clusters of galaxies, (84 refs.) 80362
Complex radio sources in Abell clusters, (61 refs.) 92881
Compositional depth profiling by Auger electron spectroscopy, (50 refs.) 52053
Comprehensive theory of liquid ^4He, (63 refs.) 73361
Compressibility factor calculations, (66 refs.) 86557
Computer-aided software development, (122 refs.) 89580
Computer-generated holograms, (160 refs.) 76645
Computer generation of human gait kinematics, (57 refs.) 74703
Computerised clinical EEG, (141 refs.) 70655
Computers in sleep research, (85 refs.) 62377
Concentration specks and development centers, (109 refs.) 83484
Contact binary stars, (59 refs.) 97026
Contemporary optics, (136 refs.) 81353
Contemporary philosophy of science, (48 refs.) 71217
Continental drift theory, (125 refs.) 62992
Convection and lunar thermal history, (50 refs.) 84690
Convection in the tropics, (57 refs.) 88461
Coprecipitation of Cu, Ag, Au; Ge, Sn, Pb; Mn and Ga with ferric hydroxide, (69 refs.) 70415
Core motion monitoring, (107 refs.) 81025
Coronal holes and solar magnetic fields, (95 refs.) 58312
Cosmic ray isotope abundances, (53 refs.) 70937
Cosmic ray sources, (130 refs.) 92887
Coulomb deflection in ion-atom collisions, (54 refs.) 94074
Coupled-core reactor kinetics, (73 refs.) 63733
Creep behavior of solid solution alloys, (56 refs.) 57058
Creep of β-Co at low stress, (52 refs.) 79028
Critical dynamics, (57 refs.) 60480
Critical phenomena experiments in space, (79 refs.) 67278
Critical phenomena in classical fluids, (261 refs.) 60479
Crystal and static magnetic properties of garnets, (157 refs.) 99166
Crystal chemistry of condensed phosphates, (67 refs.) 86745
Crystal elastic and plastic anisotropy and dislocations, (162 refs.) 95069
Crystal growth kinetics, (165 refs.) 69340
Crystal growth of magnetic garnets from high-temperature solutions, (120 refs.) 69973
Crystal nonequilibrium thermodynamics and quasielastic light scattering, (53 refs.) 61391
Crystallization phenomena, (50 refs.) 82162
Crystals of magnetic flux, (77 refs.) 99664
Cu_2S-CdS solar cells, (215 refs.) 74522
Cubic semiconductors, bulk hot-electron properties, (167 refs.) 99553
CuCl: Some facts and thoughts on high-temperature superconductivity, (86 refs.) 51711
Current topics in materials science, vol.1, (1069 refs.) 69966
CVD mechanism of Si, (254 refs.) 69991
Cyclic tetrapeptides. I. The calculated potential energy minima of cyclic tetrapeptides composed of small amino-acid residues, (55 refs.) 59527
Cyclotron-phonon resonance in semiconductors, review, (78 refs.) 56615

Cyclotron produced medical isotope yields, comparison of theory and experiment, (67 refs.) 57776
Data retrieval problems, (55 refs.) 49297
Data sources for materials scientists and engineers, (40 refs.) 65986
Dayside aurora, substorm currents and dayside merging, (67 refs.) 96852
Dayside magnetopause merging and polar cusp geometry, (50 refs.) 66884
DC and AC conductivity in hopping electronic systems, (69 refs.) 65478
Deep hadronic structure, (120 refs.) 80803
Defect state microscopy of semiconductors, (74 refs.) 94856
Defect structure of MgO, (58 refs.) 99180
Deformation invariant, space-variant optical pattern recognition, (42 refs.) 76619
Deformation of single crystals, (79 refs.) 87651
Delta Scuti and related stars, (179 refs.) 62847
Density wave theory of spiral structure of galaxies, (110 refs.) 75280
Density waves in one, two and three dimensions, (61 refs.) 95353
Detection and resolution of atom images in molecular biology, (108 refs.) 66595
Diagnostic ultrasound, (117 refs.) 92307
Diagnostic uses of ultrasound in medicine and biology, (1074 refs.) 62322
Dicalcium silicate mineral, chemistry, (104 refs.) 69051
Dielectric properties of critical binary mixtures, droplet model, (52 refs.) 69762
Diffraction pattern parallel measurements in X-ray diffractometry, (123 refs.) 94848
Diffusion in molecular crystals, (301 refs.) 82373
Diffusion in rare earth metals, (107 refs.) 69281
Diffusion of hydrogen in metals, (186 refs.) 82390
Diffusion time scales in white dwarfs, (90 refs.) 92761
Diffusionless vapour transport, (52 refs.) 78859
Dilute magnetic alloys under pressure, (183 refs.) 99676
Dilution refrigerators, ultralow temperature production, (58 refs.) 67313
Diode lasers coupled to external resonators, (118 refs.) 94231
Dispersive Fourier transform spectrometry, (132 refs.) 58806
Domain instabilities in liquid crystals, (50 refs.) 94875
Double bundle nuclear demagnetization refrigerator for cooling ^{3}He, (91 refs.) 49236
Dust grains in hot gas, (61 refs.) 92820
Dusty H II regions, (64 refs.) 71091
Dynamic critical phenomena in ammonium halid crystals, (55 refs.) 77690
Dynamical neutron diffraction and its application, (116 refs.) 60231
Dynamical scattering of X-rays and structural perfection of real crystals, (52 refs.) 64960
Dynamical theory of electron diffraction, (61 refs.) 68981
Dynamics of hydrogen in metals, (40 refs.) 60451
Dynamics of macromolecular solutions, (186 refs.) 59603
Early solar system, (83 refs.) 58280
Earth and Moon thermal evolution, (52 refs.) 70968
Earth mantle finite deformation during fluid flow, (55 refs.) 92519
Earth mantle large-scale flow, (56 refs.) 70777
Earth resources remote sensing, (79 refs.) 100988
Earthquake prediction, Romania, (77 refs.) 62452
Earthquakes and plate tectonics, (60 refs.) 92490
Earthquakes size from tsunami data, (52 refs.) 79745
East Pacific Rise transitional basalts and tholeiites, (74 refs.) 84218
Elastic and magnetoelastic effects in Invar alloys, (74 refs.) 56589
Elastic interaction and phase transition in coherent metal-hydrogen alloys, (65 refs.) 83178
Electric discharge CO laser efficiencies, (61 refs.) 64206
Electric field gradients in noncubic metals, (431 refs.) 65420
Electrical characterization of heteroepitaxial semiconducting films, (68 refs.) 82699
Electrical conductivity of combustion plasmas, (56 refs.) 55466
Electrical resistance of thin metallic films during gas adsorption, (66 refs.) 82691
Electrical resistivity of disordered alloys, (63 refs.) 51541
Electrical resistivity of spin glasses, (51 refs.) 78090
Electro-optical beam deflectors, (65 refs.) 94342
Electrocaloric refrigeration, feasibility for 4-15K temperature range, (100 refs.) 80624
Electrochemical methods for determining kinetic properties of solids, (153 refs.) 65251
Electrocoating from molten salts, (109 refs.) 83394
Electrofluidic processes in dielectric liquids and gases, (51 refs.) 94724
Electromagnetic scattering, (840 refs.) 72470
Electron and spin wave interaction in semiconductor-ferrite structures, (96 refs.) 95507
Electron collision calculations using R-matrix and linear algebraic calculations, (63 refs.) 59579
Electron collisions and transport in ionosphere, (68 refs.) 80079
Electron cooling and new possibilities in elementary particle physics, (61 refs.) 68118
Electron-electron scattering in simple metals, (59 refs.) 95351
Electron emission from nuclear accelerator targets, (92 refs.) 49335
Electron momentum densities, (349 refs.) 99976
Electron-photon angular correlation in atomic physics, (100 refs.) 64109
Electron-positron interactions, (138 refs.) 80833
Electron states associated with dislocations, (56 refs.) 82544
Electron tunnelling in radiation chemistry of glassy matrices, (71 refs.) 91980
Electronic properties of metal-H systems, (87 refs.) 82522
Electronic spectroscopy of benzene and the fluorobenzenes by variable angle electron impact, (61 refs.) 68321
Electronic structure and radiative transitions of excimer systems, (120 refs.) 81416
Electronic structure of 3d metals, (61 refs.) 77996
Electronic structure of rare earth metals, (202 refs.) 69405
Electronic structures of KDP and its family, (51 refs.) 87463
Electronic surface resonances of crystals, (79 refs.) 95464
Electrons in superheavy quasimolecules, (89 refs.) 89817
Electrophotography in Western Europe (1974-77), (321 refs.) 71556
Electrostatic wave measurements, (74 refs.) 88555
Elemental abundances in stony meteorites, (73 refs.) 92731
Elementary catastrophe theory modelling of an end-loading ring in a rigid cavity, (60 refs.) 68585
EM wave propagation, (316 refs.) 72469
Energy conversion, (52 refs.) 52917
Energy conversion in photoelectrochemical systems, (181 refs.) 52941
Energy levels of light nuclei A=5-10, (2541 refs.) 49583
Energy loss of charged particles, (48 refs.) 95060
Energy storage, using alkali metal molten salts, data compilation of physical properties, (2735 refs.) 92090
Environmental air samples analysis by GC-MS, (169 refs.) 79424
Environmental radioactive contamination measurements in the EEC 1977, (216 refs.) 62162
ESR applications in photosynthesis, (544 refs.) 92450
Exact results for one-dimensional many-body systems, (54 refs.) 80460
Exchange currents and isobar configurations in nuclei, (71 refs.) 93526
Exchange currents, isobaric excitations and the deuteron, (174 refs.) 93523
Excimer lasers, (500 refs.) 81415
Excimer lasers, theory and applications, (109 refs.) 59684
Excitation-contraction coupling in cardiac muscle, (332 refs.) 96547
Excited atomic and molecular states in strong electromagnetic fields, (288 refs.) 49955
Exciting stars in LMC H II regions, (54 refs.) 71017
Expanded solubility parameter treatment for classification and use of chromatographic solvents and adsorbents, (58 refs.) 74449
Experiments in phenomenological electrodynamics and the electromagnetic energy-momentum tensor, (89 refs.) 55020
Extended-X-ray-absorption fine structure studies of low-Z atoms in solids and on surfaces, (66 refs.) 95876
Extragalactic X-ray sources, (97 refs.) 101223
Fabrication techniques for surface wave devices, (73 refs.) 50523
Far IR diffuse galactic emission, (54 refs.) 67092
Fast neutron shielding, (104 refs.) 67873
Fast reactor safety problems, (55 refs.) 63754
Fatigue damage detection, (117 refs.) 100326
Fatigue life prediction in initiation and propagation stages, (89 refs.) 68596
Fatiuge crack growth, (59 refs.) 50653
Fe metabolic kinetics, distributed model, (62 refs.) 100587
Fermi surface excitations in X-ray photoemission line shapes from metals, (83 refs.) 61499
Ferrimagnetic lossy slab modal spectrum, (56 refs.) 86111
Ferroelectric, Feb.-Aug. 1978, (1203 refs.) 82931
Field ion microscopy developments, (123 refs.) 67445
Field ionisation and field desorption mass spectrometry, (58 refs.) 66384
Field theory, chiral symmetry and pion-nucleus interaction, (78 refs.) 80961
Final stages of stellar evolution and supernovae, (60 refs.) 88646
First-principles order-parameter theory of freezing, (63 refs.) 77718
Fission tracks in minerals: Earth sciences applications, (95 refs.) 100827
Folding description of elastic and inelastic scattering, (56 refs.) 93582
Forbush decreases, (51 refs.) 75059
Fracture at high temperatures under cyclic loading, (106 refs.) 66171
Fracture-mechanism maps and their construction for FCC metals and alloys, (118 refs.) 61693
Free energy of activation, (69 refs.) 74349
Frog cone system attenuation during rapid dark adaption, (51 refs.) 62253
Fuel element failure in water cooled reactors, (129 refs.) 67872
Fusion reactors: their challenge to materials scientists, (68 refs.) 97899
Future developments in nuclear power, (55 refs.) 85759
GaAs in integrated optics technology, (204 refs.) 64362
Galactic H I shells and supershells, (61 refs.) 53861
Galactic OH, (55 refs.) 75265
Galactic plane gamma-radiation, (64 refs.) 71105
Galactic spiral structure, (52 refs.) 92849
Galactic supernovae, (59 refs.) 58368
Galactic X-ray sources, (110 refs.) 58445
Galaxy correlations and cosmology, (169 refs.) 62912
Gallium-67 imaging in abdominal disease, (100 refs.) 57772
Gamma-ray astrophysics, (58 refs.) 80373
GaP, electron-hole liquid properties, (64 refs.) 69882
GaP, nickel two-electron trap state, optical and EPR study, (51 refs.) 73806
Gas and vapour bubble dynamics, (80 refs.) 98788
Generalised Schwinger boson realisations and oscillator like coherent states, (66 refs.) 80743
Geomagnetic polarity time scale, 0 to 5 m.y. BP, (86 refs.) 57851
Geomagnetic transient irregular variations, (114 refs.) 66606
Geothermal resource assessment of United States, (69 refs.) 70428
Giant isobaric resonances, (53 refs.) 67776
Giant pulse lasers passive mode-locking, (75 refs.) 72608
Giant stars colours, (124 refs.) 62827
Ginzburg-Landau theory of the upper critical field in filamentary superconductors, (58 refs.) 78276
Glass surface treatment, mech. and optical props, (120 refs.) 79141
Globular clusters in the Magellanic Clouds, (61 refs.) 101143
Glyceraldehyde 3 phosphate dehydrogenose; EPR and ST-EPR, (63 refs.) 98124
Grain boundaries in metals, (53 refs.) 99217
Gravity changes during earthquakes, (42 refs.) 92471
Gravity effects in fluids near the gas-liquid critical point, (137 refs.) 58667
Great Lakes sediment composition, (53 refs.) 79419
Growth of science, (86 refs.) 58519
Growth of whiskers by the vapor-liquid-solid mechanism, (200 refs.) 69383
Guided optics techniques for investigation of films, (48 refs.) 99958
H_2-O_2 reaction on Ir surfaces, (61 refs.) 52774
H_2O, molecular polarisability, (83 refs.) 72249
H_2O stability on Io, (70 refs.) 53756
Hadron final states in e^+e^- annihilation, (131 refs.) 63491
Hadronic interactions, large transverse momentum and large mass production, (92 refs.) 89115
Hartree-Fock-Bogoliubov theory with applications to nuclei, (176 refs.) 75881
He speech, (183 refs.) 81657
Heart and great vessels afferent innervation, (83 refs.) 83726
Heat and mass transfer bibliography—Soviet works, (354 refs.) 68701
Heat and mass transfer bibliography—Soviet works, (351 refs.) 86430
Heat and mass transfer in free convection of non-Newtonian fluid, (110 refs.) 68765
Heat flow in Maritime Provinces of Canada, (54 refs.) 100819
Heat flows in European territory, (52 refs.) 96751
Heat of formation of alumina, (39 refs.) 91982
Heat transfer bibliography, (405 refs.) 68700
Heavy ion collision dynamics, (74 refs.) 71868
Heavy ion folding potentials, (51 refs.) 97728
Heavy ion high energy collision theory, (292 refs.) 89326
Heavy ion physics, experimental methods, (150 refs.) 49900
Heavy ion scattering, (57 refs.) 71867
Heavy lepton τ, experimental evidence, (50 refs.) 75758
Helium abundances in nova ejecta, (64 refs.) 92775
Helium monolayers, (162 refs.) 99390

Heteroepitaxial growth and characterization of compound semiconductors, (123 refs.) 83133
Heteroepitaxial III-V and II-VI semiconductors for SAW and electrooptic devices, (131 refs.) 83134
High density polyethylene fibres morphology effect on mechanical properties, (50 refs.) 83235
High energy electron diffraction theory, (118 refs.) 68985
High field Mossbauer spectroscopy developments, (66 refs.) 73863
High intensity Raman interactions, (269 refs.) 76759
High-pressure neutral infrared xenon laser, (57 refs.) 86159
High pressure phases in silicates, (71 refs.) 90779
High-pressure studies of rare earth metals, alloys and compounds, (176 refs.) 69193
High-resolution projectile Auger spectroscopy for Li, Be, B and C excited in single gas collisions. I. Line energies for prompt decays, (101 refs.) 85941
High resolution spectrometers for electron scattering, (66 refs.) 68129
High-resolution spectroscopy of free radicals, (288 refs.) 79355
High voltage electron microscopy, recent progress, (121 refs.) 67442
Highly polarized electrons, (112 refs.) 76242
Holocene sea level change, (58 refs.) 84293
Holography, (102 refs.) 94199
Hot brines, (57 refs.) 62527
Hot pressing, (78 refs.) 74113
Hot-wire probes in low speed flow, (99 refs.) 82010
Human retinal cone pigment spectrophotometry, (64 refs.) 62256
Hurricanes, (105 refs.) 88462
Hydrogen diffusion in metals, (81 refs.) 82389
Hydrogen embrittlement of steels, (163 refs.) 66172
Hydrothermal crystallization of magnetic oxides, (74 refs.) 69974
Hyperfine spectroscopy of radioactive atoms, (122 refs.) 72259
III-V compound semiconductors, (128 refs.) 65538
III-V compounds, electron transport in quantised inversion and accumulation layers, (59 refs.) 60935
III-V compounds, semiconductor optoelectronic device applications, (56 refs.) 74088
Impurity hyperfine fields, (456 refs.) 99518
In electrodeposition, (53 refs.) 83144
In situ deformation experiments using high voltage electron microscope, (77 refs.) 60238
In vitro velocity measurements in the vicinity of aortic prostheses, (54 refs.) 74706
Indian palaeomagnetic data, (84 refs.) 88241
Indian summer monsoon meteorology, (59 refs.) 74938
Indirect recombination mechanisms in germanium, (51 refs.) 60728
Inelastic electron scattering in giant resonance region of atomic nuclei, (72 refs.) 93585
Inert gas-graphite interaction potentials, (143 refs.) 65312
Infrared flux method for stellar angular diameters, (53 refs.) 92682
Inner solar system magnetic fields and plasmas, (60 refs.) 58212
Inorganic ion exchangers for the selective adsorption of uranium and plutonium from fission product solutions, (76 refs.) 85625
Inorganic scintillators, (127 refs.) 72197
Instability and convection in fluid layers: a report on Euromech 106, (51 refs.) 68783
Instantons in field theory, (111 refs.) 71642
Integrated optical devices fabricated by MBE, (59 refs.) 95943
Intense particle beams, (59 refs.) 76117
Interference and diffraction phenomena, (51 refs.) 55049
Intermediate valency, (89 refs.) 91001
Internal friction in inorganic oxide glasses, (105 refs.) 95078
Internal friction of glasses, (142 refs.) 52286
Interplanetary dust, (62 refs.) 75154
Interstellar C 1, (69 refs.) 92818
Interstellar dark clouds, (74 refs.) 58390
Interstellar dust, (60 refs.) 92825
Interstellar dust clouds, (50 refs.) 92771
Interstellar shock waves, (60 refs.) 58389
Interstellar water masers in H II regions, (51 refs.) 88725
Intraocular lenses, literature review 1976-1977, (59 refs.) 96707
Intraplate tectonism, (325 refs.) 74882
Invar behaviour in crystalline and amorphous alloys, (48 refs.) 56489
Investigation of energetic surface state distributions at real surfaces of silicon after treatment with HF and H_2O using large-signal photovoltage pulses, (84 refs.) 60888
Io volcanism, (54 refs.) 92702
Ion beam induced light emission, (51 refs.) 95850
Ion channels in development, (131 refs.) 96549
Ion induced X-rays, (51 refs.) 96405
Ion microanalysis, (173 refs.) 96404
Ion plating, (56 refs.) 83361
Ion transport in lipid bilayer membranes, (67 refs.) 83709
Ionosphere and magnetosphere electric and magnetic fields, (156 refs.) 66870
Ionospheric acoustic gravity waves, (108 refs.) 66868
Ionospheric energetic ions in magnetosphere, (107 refs.) 66874
Ionospheric ion velocity distributions, (82 refs.) 101018
Ionospheric modification and parametric instabilities, (84 refs.) 101019
Ionospheric plasma probe studies and ionospheric structure studies by space vehicle observations, (134 refs.) 53540
Ions sputtered from elements by O_2^+, (95 refs.) 61484
Iron sulphides equations of state and Earth S content, (81 refs.) 70789
Irradiation-induced precipitation: a thermodynamic approach, (50 refs.) 78975
Isobar components of nuclei, experimental tests, (195 refs.) 97668
Isomer shift and electron conversion, (71 refs.) 85411
Isomer shift at phase transitions, (92 refs.) 87352
Isomer shifts of the 6.2-keV gamma rays of tantalum-181, (56 refs.) 87358
Isospin effect in photoproton reaction on heavy nuclei, (59 refs.) 80926
Isothermal compressibility of liquids, (74 refs.) 90710
Isotopic anomalies in early solar nebula, (60 refs.) 101094
Jovian magnetodisc, (54 refs.) 58297
Jupiter atmospheric thermodynamics, (114 refs.) 66956
Jupiter—IR spectra, (70 refs.) 96947
Jupiter's radiation belts, (196 refs.) 58296
Jurassic island arc sequence Klamath Mountains, (76 refs.) 100836
K-shell X-ray production by ion impact, (83 refs.) 54947
Kerguelen, continental fragment or oceanic island, (59 refs.) 57924
Kinetic measurements using flow tubes, (88 refs.) 74386
Knee-joint force routine clinical assessment, (50 refs.) 83831
Knowledge and structures of scientific growth, (55 refs.) 71219
Kondo effect, in rare earth alloys and compounds, (254 refs.) 69506
L^2 discretisation of atomic and molecular electronic continua, (55 refs.) 59425
L-shell Coulomb ionization by heavy charged particles, (97 refs.) 94073
Lake Superior, (73 refs.) 74912
Landau Fermi liquid theory of normal liquid ^3He, (119 refs.) 99386
Large-scale application of superconducting material, (50 refs.) 69640
Laryngeal muscle activity during stuttering, (59 refs.) 57675
Laser applications to chemistry, (43 refs.) 58800
Laser detection of pollution, (61 refs.) 57557
Laser processing of semiconductors, (110 refs.) 74028
Laser selective photophysics and photochemistry, (138 refs.) 79273
Late Palaeozoic glaciation in Gondwana, (53 refs.) 100874
Lattice defects, (88 refs.) 69100
Lattice dynamics and stability of anharmonic crystals, (62 refs.) 51209
Lattice imaging by high resolution electron microscopy, (50 refs.) 77467
Lattice strains due to hydrogen in metals, (65 refs.) 82202
Lattice theory, relation between temperature exponents of eight-vertex and q-state Potts model, (50 refs.) 93055
LEED for surface characterisation, (92 refs.) 68986
Lepton-hadron deep inelastic scattering theory, (105 refs.) 58965
Light emission from high-current surface-spark discharges, (107 refs.) 77449
Light propagation, induced scattering and self-action in gases, (72 refs.) 72628
Lightning discharges, (65 refs.) 79938
Lightning discharges, (49 refs.) 88456
Lightning energy estimates, (87 refs.) 100925
Limestone cave systems development, (76 refs.) 62531
Limiting fragmentation of nuclei—the cumulative effect, (60 refs.) 93611
$LiNbO_3$—chemical and physical properties, (209 refs.) 69783
Liquid ionization detectors, (120 refs.) 68152
Liquid phase epitaxial growth of magnetic garnets, (103 refs.) 70009
Liquid physics, (1089 refs.) 60245
Liquid structure investigation by neutron scattering, (50 refs.) 60230
Liquid surfaces, surface tension, (157 refs.) 77866
Liquid-vapour interface nature, statistical mechanics of non-uniform classical fluids, (79 refs.) 77468
Lithospheric models, (51 refs.) 79781
LMC radial velocities, (61 refs.) 101089
Local magnetic moments and Kondo effect, (63 refs.) 69651
Loch Lomond Stadial in British Isles, (110 refs.) 79887
Long-range order in two dimensions, (62 refs.) 65307
Lotka's law, frequency distributions of scientific performance, (441 refs.) 58524
Loudness of steady sounds—a new theory, (87 refs.) 53154
Low-density flows through tubes and nozzles, (92 refs.) 94658
Low-frequency acoustic nondestructive test methods, (70 refs.) 79204
Low pressure CVD for VLSI processing, (187 refs.) 87581
Low temperature heat capacity of the rare earth metals, (114 refs.) 69263
Low-Z impurity transport in Tokamaks, (65 refs.) 55468
Lunar impact craters rim slumping, (53 refs.) 84689
Lunar tectonics, (71 refs.) 80250
Lyapunov—astronomer, (69 refs.) 88789
M3 dynamics from stellar radial velocities, (59 refs.) 75251
Macromolecular adsorption onto inorganic substrate, (173 refs.) 69342
Macromolecule functional group reaction kinetics and statistics, (90 refs.) 87825
Magnetic aftereffects of hydrogen isotopes in ferromagnetic metals and alloys, (67 refs.) 82835
Magnetic and transport properties of the rare earths, (225 refs.) 69658
Magnetic anisotropy and magnetostriction in garnets, (187 refs.) 99748
Magnetic bubble materials, (101 refs.) 61194
Magnetic electron spectrometers and their in-beam use, (62 refs.) 68128
Magnetic excitation in garnets, (83 refs.) 99695
Magnetic flux structures in superconductors, (518 refs.) 91199
Magnetic neutron scattering and the chemical bond, (72 refs.) 77456
Magnetic pair and Compton spectrometers, (83 refs.) 68130
Magnetic properties of amorphous alloys, (133 refs.) 65665
Magnetic properties of liquid metal alloys, (103 refs.) 51741
Magnetic properties of metal hydrides and hydrogenated intermetallic compounds, (87 refs.) 82754
Magnetic properties of solid ^3He, (55 refs.) 65291
Magnetopause electric field, (79 refs.) 75041
Magnetosphere plasma hot ion component, (163 refs.) 80106
Magnetospheric energetic ions charge states, (171 refs.) 80105
Magnetospheric heavy ions, (104 refs.) 80104
Magnetron systems for ion sputtering of materials, (82 refs.) 100050
Man's impact on climate, (133 refs.) 84360
Mantle Rayleigh waves phase velocity and Q, (64 refs.) 74846
Many-body forces in nuclear physics, (98 refs.) 97670
Many-dimensional oscillator systems, universal instability, (146 refs.) 75334
Marine atmospheric boundary layer, (110 refs.) 88460
Martensitic transformations, electron microscopy and diffraction studies, (73 refs.) 68989
Martian flood features formation, (62 refs.) 84722
Martian ionosphere, (84 refs.) 53751
Materials for human implantation, (103 refs.) 96709
Materials involving fluorine, (55 refs.) 96282
Matrix isolation of atoms and ions in Mossbauer isomer shift calibration scheme, (51 refs.) 85924
Maturational influences on coarticulatory effect perception, (57 refs.) 94415
MBE fabrication of integrated-optics devices, (93 refs.) 90042
MBE techniques for IV-VI optoelectronic devices, (127 refs.) 95942
Mechanochemical degradation of thin polymeric coatings—substrate effects, (52 refs.) 79134
Medical imaging by NMR zeugmatography, (63 refs.) 66501
Medical ultrasonic imaging, (106 refs.) 66579
Medieval European climate, (81 refs.) 74929
Mesosphere and lower thermosphere, (64 refs.) 84553
Metal-insulator transitions induced by a magnetic field, (114 refs.) 65383
Metal vaporisation investigation by optical spectral methods, (72 refs.) 66381
Metal vapour excimers, (62 refs.) 81419
Metallic adhesion theory, (55 refs.) 73463
Metallic catalysts, structural examination, (95 refs.) 95264
Metallic glasses and amorphous magnetism, (52 refs.) 82818
Metallic state in organic materials, (80 refs.) 65462
Metallurgy of galvanized coatings, (141 refs.) 96199
Metals hardness testing, (60 refs.) 87773
Metals, surface effects in hydrodynamic model, (110 refs.) 78148
Meteorite exposure ages, (65 refs.) 53776

Meteoritic anomalies and stellar He burning shells, (54 refs.) 58302
MHD flows and turbulence, (108 refs.) 60070
MHD turbulence, (104 refs.) 90343
Micelles. Physical chemistry of surfactant association, (445 refs.) 57306
Microanalysis by direct observations of nuclear reactions, (148 refs.) 96409
Microchannel plate detectors, (67 refs.) 72200
Microdynamics in classical liquids, (54 refs.) 60248
Microprocessor controlled stimulation in paralyzed muscle, (62 refs.) 83883
Microscopic equipment, methods, applications and related topics, publications, (373 refs.) 75566
Microscopic optical potentials, (66 refs.) 97691
Microvoids as pigments, (324 refs.) 52617
Microwave effects in narrow-gap semiconductors, (149 refs.) 95437
Microwave effects in narrow-gap semiconductors. I, (82 refs.) 82618
Microwave spectroscopy of short-lived molecules, (61 refs.) 50010
Mid latitude F_1-region ion composition diurnal variation, (57 refs.) 96856
Mid Ocean Dynamics Experiment, (155 refs.) 57941
Mid-ocean ridge basalts, (85 refs.) 88316
Minerals thermodynamics and lattice vibrations, (75 refs.) 100830
Minerals thermodynamics and lattice vibrations, (91 refs.) 100831
Minettes, (68 refs.) 74864
Miniature surface acoustic wave filters, (62 refs.) 55282
Minimal reaction times for phonatory initiation, (62 refs.) 96583
Mixing and oceanic productivity, (58 refs.) 57972
Mobility in scientific employment, (502 refs.) 71220
Modelling of interactions in solutions: alkali halides in DMSO, (53 refs.) 77469
Models of coronal hole flows, (61 refs.) 58313
Modern experimental methods for surface and thin-film chemical analysis, (52 refs.) 66393
Modern physics curricula in higher education, (174 refs.) 62953
Modification of the strength of solids by chemisorption, (77 refs.) 51423
Modulatory actions of neurotransmitters, (84 refs.) 96550
Mohorovicic discontinuity, (50 refs.) 96748
Molasse basins, (111 refs.) 57902
Molecular beam epitaxy (MBE), recent developments, (202 refs.) 78902
Molecular-beam investigations of anisotropic potentials, (79 refs.) 72376
Molecular chemical tunnelling, (91 refs.) 59520
Molecular diffusion in polymer solutions, (103 refs.) 90807
Molecular mechanism for initial process of visual excitation, (54 refs.) 100598
Molecular mechanism of polymorphic transitions, (55 refs.) 73305
Molecular probes orientational freedom, (64 refs.) 62168
Molten salts, electrical conductance and mechanical properties, (94 refs.) 60531
Monte Carlo methods in statistical physics, book, (1154 refs.) 80528
Monte Carlo simulation of crystal growth, (118 refs.) 80532
Monte Carlo studies of relaxation phenomena: Kinetics of phase changes and critical slowing down, (99 refs.) 80531
Monte Carlo studies of systems with disorder, (151 refs.) 82809
Monte Carlo trajectory study of $Ar+H_2$: vibrational selectivity of dissociative collisions at 4500K and the characteristics of dissociation under equilibrium conditions, (58 refs.) 70307
Morphological data for galactic globular clusters, (51 refs.) 92815
$MoSi_2$ high temperature materials, (165 refs.) 74295
Mossbauer isomer shift for calculation of charge and spin densities in solids, (215 refs.) 87350
Mossbauer isomer shifts in chemical systems of gold, (58 refs.) 87356
Mossbauer isomer shifts in rare earth metals, (179 refs.) 87361
Mossbauer isomer shifts of the 5s-5p elements beyond tin, (80 refs.) 87360
Mossbauer isomer shifts, pressure effects, (88 refs.) 87353
Mossbauer radiation scattering by condensed matter, (300 refs.) 78596
Mossbauer studies of metal-hydrogen systems, (130 refs.) 82906
Mouse coronary arteries and aorta ultrastructural changes after irradiation, (51 refs.) 57725
Multilayer adsorbed helium in restricted geometries, (232 refs.) 99391
Multistation networks in geomagnetic pulsation studies, (59 refs.) 70928
Multiwire proportional chamber focal plane detector systems with digital readout, (55 refs.) 68158
Multiwire proportional chambers and drift chambers, (68 refs.) 72195
Musical acoustics, (267 refs.) 76920
NaK $a^3\Sigma^+$ state, laser induced fluorescence, (62 refs.) 98143
Nature of solvated electron absorption spectra, (65 refs.) 72301
Near-bottom traverse of Rockall Trough, (52 refs.) 62483
Nearby bright galaxies, (75 refs.) 97062
Nematic polymers, (97 refs.) 99064
Neuromuscular junction endplate current simulation, (56 refs.) 62230
Neurones in cat visual cortex, (51 refs.) 74655
Neutral currents, on experimenter's history, (50 refs.) 89097
Neutrino experiments at high energies, (177 refs.) 49511
Neutron and giant resonances within the quasiparticle-phonon model, (76 refs.) 63648
Neutron determination of magnetic structures, (67 refs.) 61064
Neutron diffraction coherence effects and gravity experiments, (75 refs.) 58616
Neutron diffraction of disordered structures, (109 refs.) 60228
Neutron diffraction studies of phase transitions and critical phenomena, (88 refs.) 60229
Neutron ionization chambers, (235 refs.) 68157
Neutron irradiation induced embrittlement in type 316 and other austenitic steels and alloys, (122 refs.) 65120
Neutron pickup from ^{22}Ne, (60 refs.) 63684
Neutron scattering in liquids, (70 refs.) 60232
Neutron star cooling, (50 refs.) 101170
Neutron star crusts, (58 refs.) 97018
Neutron star physics and structure, (199 refs.) 67046
Neutron stars, (109 refs.) 97017
Neutron stars and the physics of matter of high density, (63 refs.) 84815
Neutron time-of-flight spectrometers, (110 refs.) 72179
New high-performance permanent magnets based on rare earth-transition metal compounds, (185 refs.) 65696
New Zealand karst, (53 refs.) 74906
NMR imaging, physiological effects thresholds, (52 refs.) 66484
NMR in solids using pulse coherent averaging method, (50 refs.) 78543
Nobel prizes. A bibliography of scientometric papers and data sources, (136 refs.) 97123
Non-aqueous ionizing liquids, (67 refs.) 69255
Non-Newtonian fluid mechanics, (66 refs.) 60010
Non-reactive heavy particle collision calculations, (182 refs.) 59541
Nondestructive testing of wire ropes, electromagnetic methods, (55 refs.) 83423
Nonequilibrium electron gas, fluctuation theory, (130 refs.) 54043
Nonlinear optical processes in atoms and molecules using rare-gas halide lasers, (61 refs.) 59745
Nonrelativistic theory of four-nucleon systems, (157 refs.) 80881
North Sea oil production platforms, use of steel and concrete in construction, (118 refs.) 78985
Northern Appennines as collisional orogen, (74 refs.) 92515
Notch effects, stress state, and ductility, (91 refs.) 61829
Novae and dwarf novae, (61 refs.) 67041
Nuclear data sheets, 1978 recent references cumulation, (1514 refs.) 80862
Nuclear data sheets for A=105, (165 refs.) 93486
Nuclear data sheets for A=119, (134 refs.) 71780
Nuclear data sheets for A=121, (110 refs.) 75818
Nuclear data sheets for A=136, (125 refs.) 75819
Nuclear data sheets for A=144, (212 refs.) 93487
Nuclear data sheets for A=154, (303 refs.) 71781
Nuclear data sheets for A=206, (159 refs.) 71779
Nuclear data sheets for A=62, (156 refs.) 71777
Nuclear data sheets for A=159, (128 refs.) 93488
Nuclear decay lifetimes, influence of chemical environment, (114 refs.) 75911
Nuclear detection instrumentation, review, (79 refs.) 72219
Nuclear detonation waves, initiation and propagation, (45 refs.) 93834
Nuclear experiments using radioactive ion beams, (129 refs.) 97922
Nuclear fission in the region of radium and actinium, (100 refs.) 49641
Nuclear fuel reprocessing plants, general characteristics, (86 refs.) 85717
Nuclear high spin states, (90 refs.) 71785
Nuclear magnetic relaxation of synthetic polymers in dilute solution, (178 refs.) 89693
Nuclear magnetic resonance in rare earth metals, (253 refs.) 91299
Nuclear magnetic resonance on metal-hydrogen systems, (84 refs.) 82887
Nuclear mass estimation by generalised mass relations, (50 refs.) 75827
Nuclear matter, variational theory, (202 refs.) 89262
Nuclear microprobe as analytical tool, (55 refs.) 87913
Nuclear reactor noise analysis, (110 refs.) 93749
Nuclear shell model, deformed Woods-Saxon potential parameters for A=40 to 110 and A≥210, (93 refs.) 97673
Nucleon-nucleon potential, isobar configurations in nuclei and pion production, (54 refs.) 63666
Nucleon-nucleus optical model, nuclear matter approach, (107 refs.) 93574
O-type stars, (76 refs.) 101145
Ocean acoustics, (713 refs.) 57970
Ocean surface drift currents, (88 refs.) 53353
Oceanic upper crustal structure, (67 refs.) 70761
Oceanic upper layer, (130 refs.) 84292
Oil shales, thermophysical properties, (173 refs.) 100479
Oil spills on coasts, (55 refs.) 57509
One dimensional conductors, Fermi gas model, (120 refs.) 78083
One-dimensional metals and charge density wave effects in these materials, (92 refs.) 78085
Optical emission from shocks: Magellanic Cloud supernova remnants, (50 refs.) 92831
Optical examination and monitoring of surfaces, (203 refs.) 67375
Optical-fibre ring interferometer, Sagnac effect sensitivity analysis, (67 refs.) 50379
Optical identifications of radio sources, (72 refs.) 88753
Optical pulse compressor systems for laser fusion, (40 refs.) 59757
Optical structure of NGC 5128 (Centaurus A), (61 refs.) 53907
Optical thin film characterisation, (86 refs.) 76772
Optical transmission and photoconductivity of SiO_2 films, (55 refs.) 73540
Optimisation concepts in physiological models, (66 refs.) 74591
Ordered continuously degenerate systems, (80 refs.) 93040
Ordered structures, (53 refs.) 51018
Ordering and phase transitions in Ising systems with competing short range and dipolar interactions, (70 refs.) 91200
Ordovician sandstones, (95 refs.) 57919
Organic scintillators development, (274 refs.) 72198
Origin of the spin-orbit interaction, (61 refs.) 91008
Orion's Cloak—gas shell, (67 refs.) 71086
Outer solar system fields and plasmas, (69 refs.) 58213
Oxide glass characterisation by magnetic resonance and optical absorption of metallic probe ions, (66 refs.) 95640
Oxide semiconductors, electrical conductivity, gas adsorption effects, (97 refs.) 95408
Parity violation in reactions with neutrons, (51 refs.) 59048
Partial charge transfer and charge density wave modulation in the TTF-TCNQ family of quasi one-dimensional organic materials, (65 refs.) 95349
Particle-fluid heat transfer, (349 refs.) 68552
Particle identification systems based on electrostatic accelerators, (83 refs.) 72182
Path-integral in collective fields and its application to nuclear and hadron physics, (56 refs.) 93277
Pattern recognition for lesion detectability in medical scintigraphic images, (53 refs.) 62354
Peculiar A star γ Equuilei, near UV line identifications, (59 refs.) 88659
Penning collision processes, (246 refs.) 64092
Peptide amide H exchange rates, ^1H NMR effects, (82 refs.) 83692
Percolation clusters by scaling theory, (185 refs.) 80542
Periodic lattice distortions and charge density waves in one- and two-dimensional metals, (171 refs.) 60678
Permo-Triassic Tethys, (54 refs.) 70780
Personnel neutron dosimeters, recent developments, (85 refs.) 63818
Pharmaceutical analysis using atomic spectrophotometry, (71 refs.) 96397
Phase diagrams of mixtures and magnetic systems, Monte Carlo studies, (117 refs.) 82313
Phase equilibria study in Ta-H, Nb-H and V-H system, (50 refs.) 78935
Phase equilibrium diagrams and the liquid state, (73 refs.) 60473
Phase profiles generation, (98 refs.) 76644
Phase stability under irradiation—review of theory and experiment, (59 refs.) 77722
Phase transitions in liquid crystals, (113 refs.) 60491
Phonon anomalies in Cu halides, (63 refs.) 73272
Photodesorption, (77 refs.) 51424
Photodetectors in 1-2 μm wavelength region, (64 refs.) 63307
Photoelectromagnetic effect, (74 refs.) 69559
Photoelectron spectroscopy of adsorption layers, (98 refs.) 52072
Photoemission in solids, (434 refs.) 61495
Photoemission: Many electron and final state effects, (84 refs.) 61498

Photoemission theory, (128 refs.) 61496
Photographic pyrometry, (90 refs.) 93144
Photoionisation cross section calculation, (116 refs.) 61497
Photoluminescence in amorphous semiconductors, (48 refs.) 56862
Photon production nuclear data for reactor design, (74 refs.) 93687
Photopredissociation fragments, angular distribution in magnetic field, (72 refs.) 89716
Photoreceptor membrane molecular texture, (168 refs.) 79519
Photosynthetic productivity engineering, (178 refs.) 62209
Photovoltaic convertors, heterojunction phenomena and interfacial defects, (173 refs.) 74523
Physical acoustics, (73 refs.) 55258
Physics of domain walls in magnetic garnet films, (51 refs.) 99727
Physiology and mathematics of myoelectric signals, (92 refs.) 74621
Physiology of the retina, (161 refs.) 96558
Picosecond photochronoscopy developments, (52 refs.) 76734
Picosecond spectroscopy. Chemical and biological reactions, (376 refs.) 80697
Pion-nucleus charge exchange reactions, (112 refs.) 59093
Pion-nucleus interactions, (98 refs.) 80960
Pion-nucleus multiple scattering theory, (93 refs.) 49640
Pionization effect and its astrophysical aspects, (75 refs.) 96907
Planetary cosmogony, (56 refs.) 84685
Planetary satellite capture by gas drag, (50 refs.) 53741
Planetary thermospheres, (50 refs.) 88610
Plant lipids and their role in membrane function, (446 refs.) 83716
Plasma etching mechanisms, (70 refs.) 83348
Plasma heating, (56 refs.) 98939
Plasma-surface interactions in Tokamaks, (351 refs.) 73017
Plasmasphere composition and density model, (56 refs.) 66860
Plastic deformation and sliding friction of metals, (103 refs.) 87743
Point defect equilibria and non-stoichiometry in GaAs, (50 refs.) 90644
Polar paths, paleomagnetic cycles and global tectonics, (57 refs.) 66618
Polarization selective optical heterodyne detection for dramatically improved sensitivity in laser spectroscopy, (56 refs.) 58798
Polarization sensitive detectors, (67 refs.) 72207
Polarized lepton-hadron scattering, (71 refs.) 67560
Polarized neutron beam production and applications, (84 refs.) 58843
Pollution from an industrial site—NO_2 and SO_2 obs, (92 refs.) 74928
Poly(p-phenylene terephthalamide, quiescent and strain-induced crystallisation from sulfuric acid, (122 refs.) 90571
Polycondensation, (91 refs.) 57230
Polyelectrolyte 'catalysis', (53 refs.) 57217
Polymer dynamics and polymer solution hydrodynamics, (62 refs.) 60261
Polymer impregnated concrete, (164 refs.) 70039
Polymer solutions flow in porous media, (52 refs.) 68802
Polymers, rigid aromatic solutions, exciton energy transfer, (52 refs.) 69431
Polymers, structure, morphology and twins, (62 refs.) 51058
Population characteristics of S stars, (54 refs.) 88651
Porous bone implants O_2 supply, (55 refs.) 70707
Position sensitive proportional counters as focal plane detectors, (98 refs.) 68159
Position-sensitive semiconductor detectors, (63 refs.) 68155
Positive muons as light isotopes of hydrogen, (108 refs.) 82907
Positron studies of annealing of cold worked state, (71 refs.) 100163
Positron studies of lattice defects in metals, (240 refs.) 99977
Positrons in imperfect solids, (161 refs.) 99978
Positrons in solids, (995 refs.) 99975
Post-shock temperatures in minerals, (61 refs.) 92527
Power loss from laboratory and astrophysical plasmas. Steady-state ionisation balance, (76 refs.) 82063
Pre-Imbrian lunar craters and basins, (77 refs.) 53739
Prebiological atmosphere O_2 levels, (62 refs.) 84486
Preferred orientation in minerals, review and outlook, (62 refs.) 83220
Preparation and imperfections of magnetic materials with garnet structure, (85 refs.) 100031
Preparation and properties of heteroepitaxial silicon, (330 refs.) 83128
Preparation of metal powders, (54 refs.) 66026
Preparation of thin nuclear targets, (281 refs.) 85201
Principles and methods of liquid crystal physics applied to the structure and functions of biological membranes, (88 refs.) 53051
Principles of neutron diffraction, (72 refs.) 60226
Progress in materials research for fusion reactors, (79 refs.) 76134
Propagation in glass optical waveguides, (224 refs.) 90015
Properties and synthesis of Nb-H interstitial alloys, (185 refs.) 69265
Properties of an intense 40-kV neutral beam injector, (100 refs.) 68117
Properties of liquid and solid ^4He, (57 refs.) 82401
Properties of metallic cobalt, (364 refs.) 95909
Proteins, electron transfer mechanisms, (60 refs.) 96510
Proterozoic tectonics of NW Gondwanaland, (69 refs.) 57908
Proton deep structure, renormalisation group approach, (804 refs.) 85302
Proton radiography, (39 refs.) 91896
Proton relaxation enhancement in biochemistry, (87 refs.) 89692
Pulsar radiation, (96 refs.) 97015
Purple membrane films spectra, (59 refs.) 83708
QCD and hadron dynamics, (67 refs.) 97593
QCD perturbative applications, (113 refs.) 97571
QCD predictions for large momentum transfer baryon production, (57 refs.) 89125
QCD, spectral function sum rules in charged current sector, (87 refs.) 80796
QSO UV emission lines, (53 refs.) 71148
Quantitative elemental analyses by plasma emission spectroscopy, (53 refs.) 57337
Quantum efficiency of fluorescence excited by photodissociation in metal halide vapors and applications, (80 refs.) 81421
Quantum fields and crystals, Monte Carlo methods and results, (111 refs.) 82405
Quantum fluids, dynamic properties, (94 refs.) 50972
Quantum mechanical transition state theory, (59 refs.) 74370
Quantum mechanics and magnetism, (56 refs.) 51733
Quark-parton model, (112 refs.) 93368
Quasar spectral energy distributions, (58 refs.) 62926
Quasars intrinsic spectra, (58 refs.) 67113
Quaternary sediemnts, N.Norway, (85 refs.) 84228
R Canis Majoris stars, (55 refs.) 58371
π-electron effective Hamiltonians theory, (64 refs.) 59333
Radiation damage in platinum, (50 refs.) 65126
Radiation damage of materials for fast breeder and fusion reactors, (150 refs.) 81011
Radiation damage physics in USSR, (110 refs.) 95049
Radiation induced homogeneous precipitation in undersaturated solid-solutions, (55 refs.) 77638
Radiation induced segregation in binary and ternary alloys, (62 refs.) 78970
Radiative and combination heat transfer, (144 refs.) 81703
Radio galaxies orientations, (113 refs.) 53911
Radiofrequency and microwave radiation interaction with living systems, (69 refs.) 79602
Radiological physics, early history, (61 refs.) 80410
Radionuclides in soils and sediments, (61 refs.) 66422
Radiosources in galaxy clusters, (70 refs.) 88756
Raman pulse compression of excimer lasers for application to laser fusion, (90 refs.) 59756
Random coupling model for multiphoton photofragmentation of large molecules, (51 refs.) 68281
Rare earth atomic properties (free atom), (238 refs.) 68204
Rare earth-Co permanent magnets development and high coercive force generating mechanism, (53 refs.) 100269
Rare earth elements in sedimentary rocks, (84 refs.) 92511
Rare earth metals, prep. and props, (154 refs.) 69969
Rare earth-nonmagnetic metal intermetallic compounds, (545 refs.) 95377
Rare earth systems magnetic structures and inelastic neutron scattering, (206 refs.) 69654
Rare earths, elastic and mechanical properties, (127 refs.) 70132
Rare gas excimers, (135 refs.) 81417
Rare gas halogen excimers, (158 refs.) 81418
Rat kidney, functional model, (113 refs.) 62282
Reactive molecular collision calculations, (504 refs.) 61851
Realism and instrumentalism in 19th-century atomism, (58 refs.) 97172
Recombination-enhanced migration of interstitial aluminum in silicon, (50 refs.) 82201
Reddest stars, (61 refs.) 62841
Refractive index of colloidal carbon, (54 refs.) 66363
Refractory metals under low gas pressure, (59 refs.) 74296
Regenerative energy sources, (73 refs.) 87958
Relativity, superluminal frames and tachyons, (56 refs.) 58543
Resonance interaction of intense light with atoms, (69 refs.) 68216
Resonance Raman spectroscopy, (51 refs.) 92014
Resonance spectroscopy of solids and plasmas, (81 refs.) 61224
Resonances in the scattering of atoms and molecules, (57 refs.) 72384
Resonant electron-molecule scattering cross-sections, (53 refs.) 89798
Rheological equations for polymer solutions and melts, (51 refs.) 86391
Rhythmic and segmental speech perception, (56 refs.) 72765
Rock mass deformability, (50 refs.) 53341
Rocks crenulation cleavages, (70 refs.) 70784
Role of gallium 67 in inflammatory disease, (67 refs.) 57770
Rotating bodies in axial flows, laminar and turbulent boundary layers, (59 refs.) 77127
Ruedenberg relation, (55 refs.) 89596
Runaway electrons in toroidal discharges, (189 refs.) 64892
S-matrix theory of relativistic elastic scattering, crossed channel structure effects, (52 refs.) 58906
Satellite geodesy, (194 refs.) 66835
SAW resonator filters, (80 refs.) 55283
Scandium compounds with oxygen donor ligands, (49 refs.) 99122
Scattering analysis and design of SAW resonator filters, (61 refs.) 68492
School physics syllabuses, (63 refs.) 62952
Scientific work of H. Bremmer, (103 refs.) 62984
Scintillation detectors for neutron physics research, (102 refs.) 72199
Seafloor basaltic glasses, (70 refs.) 74866
Seawater, synthetic, $CaSO_4$ and $SrSO_4$ solubilities and activity coefficients, (51 refs.) 91986
Seismic surface waves, (53 refs.) 92488
Seismic zonation, (122 refs.) 88273
Seismicity estimation, (73 refs.) 92491
Selenodetic investigations in USSR Bibliography, 1928 to 1975, (184 refs.) 88609
Self consistent field calculations, (388 refs.) 75880
Semiclassical molecular line broadening calculations, short range force effects, (73 refs.) 98085
Semiclassical radiation theory within a quantum-mechanical framework, (38 refs.) 75705
Semiconductor gamma radiation detectors, (87 refs.) 68156
Semiconductor inversion layers in high magnetic fields, spectroscopy, (52 refs.) 60889
Semiconductor radiation detector development, (106 refs.) 68153
Semiconductor superlattices by MBE, (63 refs.) 95939
Semiconductors for photoelectrolysis, (198 refs.) 65547
Separation and concentration techniques for atomic absorption, (71 refs.) 87887
Shaw meteorite, (56 refs.) 92730
Shear effects in elasticity, (55 refs.) 91280
Shubnikov-de Haas effect in n-InAs and n-GaSb, (58 refs.) 51602
Si_3N_4 reaction bonded, formation and properties review, (159 refs.) 56947
Si films, amorphous, optical properties and structures, (50 refs.) 52035
Signal processing devices, (144 refs.) 50521
Signal transmission in the nervous system, (153 refs.) 100593
Silicon tetrachloride physical and thermodynamic properties, (110 refs.) 65218
Simple ionic liquids, structure and dynamics, (145 refs.) 60243
Simulation of random processes on digital computers with Cebysev mixing transformations, (70 refs.) 80510
Simulation studies of space, (128 refs.) 58217
Sintered stainless steel production, (72 refs.) 100082
SiO_2, Auger line shapes, observation and calculation, (65 refs.) 83067
SMC structure and kinematics, (52 refs.) 101192
Soil survey by air photography, (50 refs.) 88504
Solar activity, cosmic-ray variations, and neutrino fluxes, (71 refs.) 84599
Solar cell physics, (52 refs.) 100523
Solar cosmic rays, (355 refs.) 66893
Solar energy absorption in metal particles, (54 refs.) 57440
Solar gamma rays above 8 MeV, (52 refs.) 53779
Solar infrared continuous spectrum, (60 refs.) 88638
Solar magnetic fields, (61 refs.) 53783
Solar photoelectrolysis with semiconductor electrodes, (118 refs.) 74533
Solar photovoltaic cells, new materials possibilities review, (136 refs.) 57434
Solar rotation, (149 refs.) 75179
Solar system origin, (49 refs.) 62765
Solar technology in USA National Energy Plan, (64 refs.) 57392
Solar terrestrial event of 14 to 21 December 1971, (60 refs.) 75012

Solar wind during Maunder Minimum, (56 refs.) 75069
Solar-wind exposure effects in the lunar soil, (337 refs.) 75070
Solar wind physical processes, (257 refs.) 75071
Solid solutions, ordering and disordering under irradiation, (97 refs.) 87626
Solid-state convection in terrestrial planets, (302 refs.) 84692
Sound reduction by barriers, (65 refs.) 68479
Sound velocity gradients in marine sediments, (66 refs.) 68465
Source radiation in presence of smooth convex bodies, (63 refs.) 64151
South polar atmosphere, (60 refs.) 79937
Spatial frequency masking in human vision: binocular interactions, (57 refs.) 83787
Specific heat anomalies and spin-spin interactions in carbons, (86 refs.) 69261
Specific heat of superconducting films, (52 refs.) 60969
Speckle interferometry, (81 refs.) 75584
Spectral selectivity of composite materials, (122 refs.) 74520
Spectrally selective surfaces and their impact on photothermal solar energy conversion, (125 refs.) 74519
Speech and nonspeech category boundary adaption, (58 refs.) 72763
Spin glass systems, (62 refs.) 65688
Spinodal decomposition and formation of modulated structure in iron-molybdenum alloys, (60 refs.) 100184
Split comet motions, (136 refs.) 66961
Spray pyrolysis of ternary and quaternary solar cell materials, (50 refs.) 70004
Sputtered hydrogenated amorphous silicon, (67 refs.) 78889
Stabilized lasers and precision measurements, (86 refs.) 55151
Static nuclear magnetic moments, contributions from nuclear orientation, (76 refs.) 80872
Statistical mechanics of aqueous fluids, (66 refs.) 60250
Statistical mechanics of open systems. Laser theory, (50 refs.) 76659
Stellar chemical evolution, (81 refs.) 53801
Stellar core collapse, (55 refs.) 96903
Stellar evolution, (85 refs.) 53805
Stellar magnetism, (77 refs.) 62845
Stellar metallicity and microturbulence, (63 refs.) 67002
Stellar pulsations, (121 refs.) 84786
Stellar spectral classification from Stromgren indices, (93 refs.) 88645
Stellar spectral lines, (50 refs.) 92684
Stop consonant voicing, (54 refs.) 86307
Stratospheric warmings, (89 refs.) 74944
Stress-induced crystallization of poly(ethylene terephthalate), (84 refs.) 99083
Stress relaxation in crystals, (117 refs.) 73248
Strong-motion earthquake records, (71 refs.) 66637
Structure and crystallization of Fe-B metallic glasses, (86 refs.) 94906
Structure of magnetic amorphous alloys, (52 refs.) 73100
Structure of quantum fluids, (165 refs.) 60564
SU(2) Yang-Mills theories, classical solutions, (162 refs.) 93295
Subsolidus convective cooling histories of terrestrial planets, (65 refs.) 66939
Substrate materials for surface acoustic wave devices, (106 refs.) 50522
Superconducting critical temperature prediction, (69 refs.) 65582
Superconducting high critical temperature Nb_3Ge compound preparation, (52 refs.) 78914
Superconducting materials properties, 1978 supplement, (427 refs.) 56366
Superconducting weak links, review of physical processes, (426 refs.) 60983
Superconductivity and electronic properties of amorphous transition metal alloys, (61 refs.) 73612
Superconductivity: rare earth metals, alloys and compounds, (158 refs.) 69621
Superfluid ^3He, (51 refs.) 65277
Superfluid ^3He, (207 refs.) 99388
Superheavy-element research, (110 refs.) 89218
Superheavy elements in nature, (70 refs.) 84277
Superheavy elements in nature, review, (55 refs.) 79845
Superionic conductors: transitions, structures, dynamics, (264 refs.) 60549
Supermetallicity and the strong-lined binary systems, (80 refs.) 75204
Supernova remnants in Magellanic Clouds, (58 refs.) 75259
Superstructures in sulfide minerals, (96 refs.) 99146
Suppression of the charging effect in X-ray photoelectron spectroscopy, (73 refs.) 97474
Surface acoustic waves, (98 refs.) 95254
Surface-active agents determination in waste waters, (62 refs.) 53007
Surface composition of binary alloys, (55 refs.) 90849
Surface scattering of conduction electrons and kinetic phenomena in metals, (108 refs.) 56210
Surface studies by field emission, (78 refs.) 67444
Surface vaporisation under concentrated energy sources, thermal model development, (115 refs.) 74091
Surface waves in integrated optics elements with distributed coupling, (106 refs.) 64361
Survival and protection of aircrew in the event of accidental immersion in cold water, (305 refs.) 88058
Symbolic algebraic computation, review of applications, (52 refs.) 58535
Symmetries and nuclei, (286 refs.) 80883
Synthesis and crystal growth and refractory materials by RF melting in a cold container, (82 refs.) 70032
Synthetic blood substitutes, (98 refs.) 62405
Synthetic chiral polymers with aromatic side chains, (72 refs.) 55014
Ta, L-edge X-ray resonant absorption, (68 refs.) 61469
Tau heavy lepton in e^+e^- annihilation, (89 refs.) 49505
TDPAC applied to chemistry and solid state physics, (201 refs.) 75665
Tectonic regimes of ophiolite genesis, (50 refs.) 57898
Telemedicine in the USA, (74 refs.) 74784
TEM identification of small defect clusters in particle irradiated crystals, (90 refs.) 69108
TEM of radiation damage in ceramics, (70 refs.) 86816
TEM study of deformation in ceramics, (103 refs.) 87686
Ternary chalcopyrite compounds, (228 refs.) 70048
Terrestrial cratering record, (113 refs.) 66698
Terrestrial planet cores, (116 refs.) 84694
Terrestrial planets climatic change, (116 refs.) 53742
Texture influence on mechanical and physical properties of materials, (62 refs.) 83224
Texture measurement methods, (47 refs.) 87815
Texture studies of crystalline polymeric materials, (111 refs.) 83221
The cosmic microwave background radiation, (54 refs.) 97109
Thermal metamorphism of primitive meteorites, (51 refs.) 92732
Thermodynamic aspects of hydrogen motions in dilute metallic solutions, (76 refs.) 65254
Thermodynamic calculation of phase diagrams, (237 refs.) 91620
Thermodynamics of CO_2 and carbonic acid, (64 refs.) 57285
Thermomechanical treatment of steel, (73 refs.) 66090
Thermonuclear fusion plasmas, elementary reactions, (52 refs.) 85762
Thermospheric properties, (116 refs.) 53597
Thirteen-colour photometry of subdwarf stars, (67 refs.) 92767
Thixotropy—a general review, (145 refs.) 59959
Three-wave interaction in nonlinear optics, (61 refs.) 86209
Thrust earthquakes, tsunamis and fore arc basins, (96 refs.) 57905
Ti and Nb diffusion in Ti-Nb alloys, (62 refs.) 73333
Ti-Fe-H system: phase diagram, structure and properties, (92 refs.) 56963
Ti-V-Cr, Nb-Mo, Ta-W BCC alloys, pressure derivatives of elastic moduli, (62 refs.) 61639
Tidal effects in the pulsating variable 14 Aurigae A, (56 refs.) 97028
Tin isomer shifts, (97 refs.) 87359
Titanium, atomic energy levels, (137 refs.) 59385
Tollmien-Schlichting waves and transition, (82 refs.) 81845
Tomography and applications to ultrasonics, (53 refs.) 66578
Tomography, recent developments in imaging, (72 refs.) 62398
Trace constituents transfer past air-sea interface, (116 refs.) 62544
Track effects and muonium formation, (54 refs.) 57259
Transition metal deep centres in GaAs, GaP and Si, (90 refs.) 78045
Transition metal ions on oxidic surfaces, structural and coordination relations, ESR and optical spectroscopy, (52 refs.) 95266
Transmission electron microscopy, in situ experimentation, (244 refs.) 71574
Travelling planetary waves, (56 refs.) 58017
Triboelectricity, (53 refs.) 78157
Triplet correlations and fluid structure, (78 refs.) 60251
Triplet exciton motion, effect on ESR line shapes of pairs of molecules, (68 refs.) 69427
Tropical atmosphere, (89 refs.) 88463
Tropical waves, (136 refs.) 74945
Tropospheric arsenic, (61 refs.) 70487
Tropospheric gravity waves, (223 refs.) 92575
Tunable infrared lasers, (57 refs.) 98376
Tunable laser spectroscopy of semiconductors, (49 refs.) 93231
Turbulent flow and heat transfer in a gravitational field, (54 refs.) 86427
Twistors and particles, (95 refs.) 97485
Ultrasonic imaging systems, (82 refs.) 98575
Ultrasonic testing of weld defects, (55 refs.) 87812
United States upper mantle seismic structure, (56 refs.) 53322
Unusual ionic melts, electrical properties, (165 refs.) 99338
Upper atmosphere dynamics, (317 refs.) 75005
Upper atmosphere O excitation and radiative decay, (52 refs.) 80064
Upper mantle attenuation, (87 refs.) 66642
Uracil, (164 refs.) 53035
Uranium distribution in Scotland, (63 refs.) 84269
Uranium mineralisation in British Isles, (113 refs.) 84273
US nuclear fuel cycle, (73 refs.) 54585
US OTEC development program, (67 refs.) 83613
US wavefronts visualisation and measurement, (121 refs.) 64459
Using dispersion formulas to describe the index of refraction frequency dependence. Present and future developments, (73 refs.) 65825
UV, visible lasers, new generation, (126 refs.) 55123
V_3Si, mode softening, anharmonic effects, (71 refs.) 73241
Vacancy formation energy calculation for alkali metals, (51 refs.) 82197
Vacuum microbalance for surface studies, (556 refs.) 71465
Variable palaeo-Sun, (123 refs.) 75171
Vector light scattering theory, (55 refs.) 59638
Venus, (44 refs.) 92690
Venus atmospheric dynamics, (53 refs.) 53746
Venus solar wind interaction, (58 refs.) 58288
Vestibular mechanisms, (133 refs.) 96588
Vibrational spectra of nitric oxide chemisorbed on Pt(100), (61 refs.) 90866
Vibrations in metal hydrides, (73 refs.) 82296
Viral messenger RNA, (72 refs.) 92175
Viscoelastic models, (85 refs.) 60013
Visual acuity in human infants, (67 refs.) 53112
Visual areas of the mammalian cerebral cortex, (213 refs.) 96560
Visual pathways, (252 refs.) 96559
Visual transduction in vertebrate photoreceptors, (105 refs.) 96561
Volatile elements in chondritic meteorites, (71 refs.) 66966
Voltage clamping of multicellular myocardial preparations, (108 refs.) 84056
Volume changes on mixing two liquids, (386 refs.) 90782
VPE growth of III/V semiconductors, (70 refs.) 66011
VPE growth of semiconductors, (58 refs.) 69997
W3 H II region complex, (177 refs.) 58392
Wave formed bars, (143 refs.) 92521
Wave profile measurement in shock-loaded solids, (219 refs.) 94564
Waveguide methods of measuring electrical parameters of semiconductors at microwave frequencies, (100 refs.) 93170
Waveguides for surface acoustic waves, (70 refs.) 50488
Weak-beam method of electron microscopy, (52 refs.) 67440
Weak intermolecular interactions, correlation effects, (71 refs.) 86038
Weak waves in gases, (75 refs.) 64683
Wear mechanisms of metals and polymers, (67 refs.) 70174
White dwarfs external layers and spectra, (80 refs.) 62824
X-ray and neutron diffraction from liquid alkali metals, (56 refs.) 51046
X-ray flash techniques, (136 refs.) 49356
X-ray galaxies, (96 refs.) 58422
X-ray photoemission studies of atom implanted matrices: Cu, Ag, and Au in SiO_2, (54 refs.) 89655
X-ray spectra excited by high-energy ions, (70 refs.) 49976
X-ray topography techniques and interpretation, (300 refs.) 67454
X-ray transient sources, (102 refs.) 84867
Yb optical isotope shifts and hyperfine splittings, (50 refs.) 93943
$Zn_xCd_{1-x}S$ single crystal nonlinear optics, (89 refs.) 98442

BOOK INDEX

A simple non-Euclidean geometry and its physical basis; A.Shenitzer, *A.Shenitzer (translator/s),* [Berlin, Germany: Springer-Verlag 1979, $23.10] 62989

Acoustic surface waves; *A.A.Oliner (editor/s),* [Berlin, Germany: Springer-Verlag 1978] 50487–8, 50518–23

Advances in nuclear physics, vol.11; *J.W.Negele, E.Vogt (editor/s),* [New York, USA: Plenum 1979] 75860, 75874, 75879–81, 75991

An introduction to microscopy by means of light, electrons, X-rays or ultrasound; T.G.Rochow, E.G.Rochow, [London, England: Plenum 1978] 49283

Annual review of Earth and planetary sciences, vol.7; *F.A.Donath, F.G.Stehli, G.W.Wetherill (editor/s),* [Palo Alto, CA, USA: Annual Reviews Inc. 1979] 84070 (introductory abstract),

Annual review of materials science, vol.8; *R.A.Huggins, R.H.Bube, R.W.Roberts (editor/s),* [Palo Alto, CA, USA: Annual Reviews Inc. 1978] 64362, 65012, 65251, 65547, 65665, 65696, 65985–6, 66011, 66026, 66171–2, 66225, 66393

Annual review of neuroscience; *W.Maxwell Cowan, Z.W.Hall, E.R.Kandel (editor/s),* [Palo Alto, CA, USA: Annual Rev. Inc. 1979] 96540 (introductory abstract), 96548–51, 96558–61, 96588

Applied inverse problems; *P.C.Sabatier (editor/s),* [Berlin, Germany: Springer-Verlag 1978, $21.50] 49017–19, 49022, 49067, 49094–9, 49413, 49423, 49498–9, 50240, 53578–83, 53964

Astronomical formulae for calculators; J.Meeus, [Hove, Belgium: Volkssterrenwacht Urania 1979] 88571

Atom-molecule collision theory. A guide for the experimentalist; *R.B.Bernstein (editor/s),* [New York, USA: Plenum 1979, $57.50] 72394

Basic heat transfer; M.N.Ozisik, [Maidenhead, England: McGraw-Hill 1977, £7.35] 94623

Calcul astronomique pour amateurs (Astronomical calculation for amateurs); S.Bouiges, [St. Leu d'Esserent, France: Serge Bouiges 1979] 92683

Catalogue of the Universe; P.Murdin, D.Allen, D.Malin, [Cambridge, England: Cambridge 1979, £9.50] 101093

Chemisorption of gases on metals; F.C.Tompkins, [London, England: Academic 1978, £16.80] 69370

Concepts of radiation dosimetry; K.R.Kase, W.R.Nelson, [Oxford, England: Pergamon 1978] 81101

Conformal invariance in quantum field theory; I.T.Todorov, M.C.Mintchev, V.B.Petkova, [Pisa, Italy: Scuola Normale Superiore 1978] 63377

Contemporary optics; A.K.Gnatak, K.Thyagarajan, [New York, USA: Plenum 1978, $32.50] 81353

Crystals for magnetic applications; *C.J.M.Rooijmans Dr. (editor/s),* [Berlin, Germany: Springer-Verlag 1978, $31.90] 69967–8, 69973–4, 69977, 70009

Current topics in materials science, vol.1; *E.Kaldis (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $115.50] 69237, 69258, 69265, 69340, 69383, 69783, 69966, 69972, 69991, 69997, 70032

Descriptive physical oceanography, 3rd edition (in SI units); G.L.Pickard, [Oxford, England: Pergamon 1979, $9.95] 100872

Diffraction and imaging techniques in material science, vol.1. Electron microscopy, 2nd revised edition; *S.Amelinckx, R.Gevers, J.Van Landuyt (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $55.50] 67439–40, 68970, 68980–4, 68988–90, 69101, 69108

Diffraction and imaging techniques in material science, vol.II. Imaging and diffraction techniques, 2nd revised edition; *S.Amelinckx, R.Gevers, J.Van Landuyt (editor/s),* [Amsterdam, Netherlands: North-Holland 1978] 67441–5, 67453–4, 68979, 68985–6

Digital processing of speech signals; L.R.Rabiner, R.W.Schafer, [Englewood Cliffs, NJ, USA: Prentice-Hall 1978, £17.50] 72767

Digital signal processing; *J.K.Aggarwal (editor/s),* [North Hollywood, CA, USA: Western Periodicals Ltd. 1979] 92357, 92634–5

Electromagnetic scattering; *P.L.E.Uslenghi (editor/s),* [London, England: Academic 1978, $33.00] 72470

Environment and energy. A report of the United Nations Economic Commission for Europe; [Oxford, England: Pergamon 1979, $15.00] 100544

Excimer lasers; *C.K.Rhodes (editor/s),* [Berlin, Germany: Springer-Verlag 1979, $36-30] 81415 (introductory abstract), 81416–19, 81441

First-passage percolation on the square lattice; R.T.Symthe, J.C.Wierman, [Berlin, Germany: Springer-Verlag 1978, $12.50] 49177

Geophysics of Mars; R.A.Wells, [Amsterdam, Netherlands: Elsevier Sci. 1979, $87.75] 101104

Green's functions in quantum physics; E.N.Economou, [Berlin, Germany: Springer-Verlag 1979, $24.20] 65147

Handbook of the British Astronomical Association 1980; [London, England: British Astronomical Assoc. 1979] 96893

Handbook on the physics and chemistry of rare earths, vol.1. Metals; *K.A.Gschneidner Jr., L.Eyring (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $133.25] 68204, 69193, 69263, 69281, 69384, 69405, 69506, 69621, 69654, 69658, 69969, 70132

Heteroepitaxial semiconductors for electronic devices; *G.W.Cullen, C.C.Wang (editor/s),* [Berlin, Germany: Springer-Verlag 1978, $79-00] 82497–9, 82699, 83116, 83128, 83133–4

Hydrogen in metals I; *G.Alefeld, J.Volkl (editor/s),* [Berlin, Germany: Springer-Verlag 1978, $49.00] 82202, 82296, 82349–50, 82383, 82389–90, 82522, 82754, 82835, 82887, 82906–7, 83178

International advances in nondestructive testing, vol.6; *W.J.McGonnagle (editor/s),* [London, England: Gordon & Breach 1979] 100321 (introductory abstract), 98574–5, 100322–9

Introduction to analytical electron microscopy; *J.J.Hren, J.I.Goldstein, D.C.Joy (editor/s),* [New York, USA: Plenum 1979] 97479

Introduction to quarks and partons; F.E.Close, [London, England: Academic Press 1979, £26.40] 85276

Ionospheric techniques and phenomena; A.Giraud, M.Petit, [Dordrecht, Netherlands: Reidel 1978, $38.00] 75040

Magnetic flux structures in superconductors; R.P.Huebener, [Berlin, Germany: Springer-Verlag 1979, $32.50] 91199

Mathematical methods of classical mechanics; V.I.Arnold, [Berlin, Germany: Springer-Verlag 1978, $29.70] 63024

Matrix theory of photoelasticity; P.S.Theocaris, E.E.Gdoutos, [Berlin, Germany: Springer-Verlag 1979, $47.30] 64612

Mechanics of vibration; J.W.Meek, *J.W.Meek (translator/s),* [Alphen aan den Rijn, Netherlands: Sijthoff & Noordhoff 1979, $42.50] 80439

Mesons in nuclei, vol. I; *M.Rho, D.Wilkinson (editor/s),* [Amsterdam, Netherlands: North-Holland 1979, S73-25] 97661–71

Methods in electromagnetic wave propagation; D.S.Jones, [Oxford, England: Clarendon Press 1979, £22.50] 72469

Monte Carlo methods in statistical physics; *K.Binder (editor/s),* [Berlin, Germany: Springer-Verlag 1979, $38.00] 80528–32, 82140, 82313, 82405, 82426, 82809

Mossbauer isomer shifts; *G.K.Shenoy, F.E.Wagner (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $106.75] 85385, 85409–11, 85924, 86093, 87346–68

Neutron diffraction; *H.Dachs (editor/s),* [Berlin, Germany: Springer-Verlag 1978] 58843, 60225–31, 61064, 62417

Nuclear power waste technology; *A.A.Moghissi, H.W.Godbee, M.S.Ozker, M.W.Carter (editor/s),* [New York, USA: ASME 1978] 54568–76, 54585, 57727

Ocean acoustics; *J.A.DeSanto (editor/s),* [Berlin, Germany: Springer-Verlag 1979] 57970

Photoemission in Solids. I. General Principles; *M.Cardona, L.Ley (editor/s),* [Berlin, Germany: Springer-Verlag 1978] 61494–500

Pion-electroproduction: electroproduction at low energy and hadron form factors; E.Amaldi, S.Fubini, G.Furlan, [Berlin, Germany: Springer-Verlag 1979, $35.20] 85306

Positrons in solids; *P.Hautojarvi (editor/s),* [Berlin, Germany: Springer-Verlag 1979, $31.40] 99975–8

Principles of advanced mathematical physics, vol.I; R.D.Richtmyer, [Berlin, Germany: Springer-Verlag 1978] 63090

Progress in cybernetics and systems research, vol.III; *R.Trappl, G.J.Klir, L.Ricciardi (editor/s),* [Chichester, England: Wiley 1978] 74590–1, 74625–40, 74645–6, 74681, 83738, 83775, 83837

Progress in cybernetics and systems research, vol.V; *R.Trappl, F.Hanika, F.R.Pichler (editor/s),* [Chichester, England: Wiley 1979] 63002, 66499

Progress in liquid physics; *C.Croxton (editor/s),* [Chichester, England: Wiley 1978] 60232, 60245–51, 60261, 60479–81, 60491, 60564, 60605

Progress in optics, vol.XVI; *E.Wolf (editor/s),* [Amsterdam, Netherlands: North-Holland 1978] 75584, 75705, 76577, 76619, 76644–5, 77449, 79273

Quantum mechanics; A.Bohm, [Berlin, Germany: Springer-Verlag 1979] 97258

Radioactive wastes; [Vienna, Austria: IAEA 1978] 63780

Remote sensing and image interpretation; T.M.Lillesand, R.W.Kiefer, [Chichester, England: Wiley 1979, £12.50] 100985

Seepage and groundwater flow. Numerical analysis by analog and digital methods; K.R.Rushton, S.C.Redshaw, [Chichester, England: Wiley-Interscience 1979, £16.25] 100884

Simple quantum physics; P.V.Landshoff, A.J.F.Metherell, [Cambridge, England: Cambridge 1979, £10.00 hardcover; £3.50 paperback] 97259

Sodium-NaK engineering handbook, vol.IV; *O.J.Foust (editor/s),* [London, England: Gordon & Breach 1978, $57.00] 97815

Solar energy conversion. Solid-state physics aspects; *B.O.Seraphin (editor/s),* [Berlin, Germany: Springer-Verlag 1979] 74518 (introductory abstract), 74519–23, 74533

Solar system plasma physics, vol.1. Solar and solar wind plasma physics; *E.N.Parker, C.F.Kennel, L.J.Lanzerotti (editor/s).* [Amsterdam, Netherlands: North-Holland 1979, $73.25] 84782

Solar system plasma physics, vol.II. Magnetospheres; *C.F.Kennel, L.J.Lanzerotti, E.N.Parker (editor/s),* [Amsterdam, Netherlands: North-Holland 1979, $73.25] 84696

Solar system plasma physics, vol.III. Solar system plasma processes; *L.J.Lanzerotti, C.F.Kennel, E.N.Parker (editor/s),* [Amsterdam, Netherlands: North-Holland 1979, $73.25] 84625

Sound transmission through a fluctuating ocean; *S.M.Flatte (editor/s),* [Cambridge, England: Cambridge 1979, £17.50] 86286

Statistical mechanics and the foundations of thermodynamics; A.Martin-Lof, [Berlin, Germany: Springer-Verlag 1979, $9.90] 97294

Stress corrosion research; *H.Arup, R.N.Parkins (editor/s),* [Alphen aan den Rijn, Netherlands: Sijthoff & Noordhoff 1979, $30.00] 100303

Surface crystallography by LEED; M.A.Van Hove, S.Y.Tong, [Berlin, Germany: Springer-Verlag 1979, $32.50] 86971

Tachyons, monopoles and related topics; *E.Recami (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $37.75] 58541–2, 58886–92, 58915–16, 58919, 58937

The cutting and polishing of electro-optic materials; G.W.Fynn, W.J.A.Powell, [Bristol, England: Adam Hilger 1979, £25.00] 81583

The physics of atmospheres; J.T.Houghton, [London, England: Cambridge 1977] 62568

The physics of liquid and solid helium, part II; *K.H.Benneman, J.B.Ketterson (editor/s),* [Chichester, England: Wiley 1978, £45.85] 99377, 99386–8, 99390–1

The Ta-You Wu festschrift: science of matter; *S.Fujita (editor/s),* [London, England: Gordon & Breach 1978, £30.60] 51988

Theory of extremal problems; A.D.Ioffe, V.M.Tihomirov, [Amsterdam, Netherlands: North-Holland 1979, $78.00] 63001

Towards global optimisation. II; *L.C.W.Dixon, G.P.Szego (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $44.50] 59840

Transmission and propagation of electromagnetic waves; K.F.Sander, G.A.L.Reed, [London, England: Cambridge 1978, £24.50 hard cover, £5.95 paperback] 50198

Transport theory; J.J.Duderstadt, W.R.Martin, [Chichester, England: Wiley 1979, £24.00] 63176

True visual magnitude photographic star atlas. Vol.1. Southern stars; C.Papadopoulos, [Oxford, England: Pergamon 1979, $200.00] 75122

True visual magnitude photographic star atlas, Vol.2. Equatorial stars; C.Papadopoulos, [Oxford, England: Pergamon 1979, $300.00] 70967

Twistors and particles; L.P.Hughston, [Berlin, Germany: Springer-Verlag 1979, $11.90] 97485

CONFERENCE INDEX

Some conference proceedings are published in separate parts with individual titles. Where this occurs, they are listed under the main conference title.

97th meeting of the Acoustical Society of America; Cambridge, MA, USA, 11-15 June 1979, [Spring 1979] 64367 (introductory abstract),

Acoustics, speech and signal processing; Washington, DC, USA, 2-4 April 1979, *(IEEE)* [New York, USA: IEEE 1979] 55275 (introductory abstract), 55267–9, 55276–7, 55286, 59859–61, 59865–75, 59879–94, 59897, 59900–1, 62325, 64387–90, 64402, 64405–10, 64413–50, 64467–9, 66843–4, 68511–15, 70560, 70700–1

Active galactic nuclei; Cambridge, England, Aug. 1977, *C.Hazard, S.Mitton (editor/s),* [Cambridge, England: Cambridge 1979] 75281 (introductory abstract),

Adaptive optical components; Washington, DC, USA, 30-31 March 1978, *(Soc. Photo-Optical Instrumentation Engrs.) S.Holly, L.James (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 59792 (introductory abstract), 58766, 58769, 58782, 59728–9, 59740–1, 59793–9, 62385, 62724

Advances in magnetospheric physics; Innsbruck, Austria, 1978, [March 1979] 58196–200, 58210–11

Advances in optical metrology; San Diego, CA, USA, 28-29 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) N.Balasubramanian, J.C.Wyant (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 80565 (introductory abstract), 80577, 80674–5, 81569, 85124–6, 85168–75, 85187, 85195, 86249, 86264, 86270–3

Aerospace and electronics–NAECON 1979.I; Dayton, OH, USA, 15-17 May 1979, *(IEEE)* [New York, USA: IEEE 1979] 72598, 72604–5, 72719, 80715, 81662, 83883, 83993, 84467

Aerospace and electronics–NAECON 1979.III; Dayton, OH, USA, 15-17 May 1979, *(IEEE)* [New York, USA: IEEE 1979] 76723, 81464, 81584, 81663

Aerospace propagation environment operational modelling; Ottawa, Canada, 24-28 April 1978, *(AGARD) H.Soicher (editor/s),* [Neuilly-sur-Seine, France: AGARD 1978] 53651 (introductory abstract),

Aerospace propagation environment operational modelling.I; Ottawa, Canada, 24-28 April 1978, *(AGARD) H.Soicher (editor/s),* [Neuilly-sur-Seine, France: AGARD 1978] 58097, 58131–4, 58148, 58168–86, 58202, 58204, 58214–16

Aerospace propagation environment operational modelling.II; Ottawa, Canada, 24-28 April 1978, *(AGARD) H.Soicher (editor/s),* [Neuilly-sur-Seine: AGARD 1978] 53501–6, 53519–25, 58065, 58093–4

Air pollution reference measurement methods and systems; Bilthoven, Netherlands, 12-16 Dec. 1977, *(World Health Organization) T.Schneider, H.W.de Koning, L.J.Brasser (editor/s),* [Amsterdam, Netherlands: Elsevier 1978, $35.50] 79444 (introductory abstract),

American Astronautical Society's 25th Conference; Houston, TX., USA, 30 Oct. - 2 Nov. 1978, *(AAS)* [San Diego, CA., USA: American Astronautical Soc. 1978] 75077 (introductory abstract),

American Astronomical Society 153rd meeting; Mexico City, Mexico, 7-10 Jan. 1979, [1978] 62763 (introductory abstract),

American Nuclear Society transactions; Washington, DC, USA, 12-16 Nov. 1978, *(ANS)* [1978] 85570 (introductory abstract), 85098–9, 85577–80, 85585, 85587–98, 85609–17, 85628–71, 85722–36, 85772–803, 85805, 85819–30, 86171, 86192, 86602–6, 87938, 87947–56, 87964, 87976–7, 87983–4, 88012–14, 88028–32, 88203, 88353, 88510, 89347, 89354–69, 89377–87, 89401–47, 89474–84, 89499–500, 89509, 90213, 90445, 92101, 93694–706, 93719–35, 93763–95, 93803–6, 93817–19, 93827–31, 93841–2, 93888, 95050, 96027, 96346, 96400–2, 96488, 96665, 96668–9, 96729, 97840

American Vacuum Society national symposium; San Francisco, CA, USA, 27 Nov. - 1 Dec. 1978, [March-April 1979] 77862 (introductory abstract), 75501, 75657, 76239, 76792, 76881, 77337, 77625, 77840, 77876–80, 77899–911, 77936–46, 77968–9, 78133, 78144–5, 78153, 78174–5, 78194, 78207, 78213–16, 78233–4, 78672, 78806–10, 78833–5, 78849–50, 78856, 78880–8, 78891, 78896–7, 78902–3, 78928, 79138, 79153–5, 79241, 79252, 79290–4, 79347, 79394, 79400–1, 80580, 80626–36, 80735, 81079–80, 81105–7, 81576, 82096–7, 82249, 82391, 82419–23, 82436–54, 82467, 82474–6, 82655, 82661, 82673–4, 83058, 83064–6, 83068, 83073–84, 83093–7, 83119–22, 83136, 83347–53, 83370–2, 83502–7, 85146–7, 85198, 85834, 86967, 86975, 86981, 87543–6, 87561–3, 87752, 88563

Analytical chemistry, using computers and optimisation; Amsterdam, Netherlands, 5-7 April 1978, [15 Dec. 1979] 52791 (introductory abstract), 49263, 49267, 49297, 49304–5, 49329, 49957, 50001, 50012, 50816, 52628, 52792–8, 53001, 53275

Anelastic relaxations and magnetic aftereffects in solids; Katowice, Poland, 26-27 Jan. 1978, [Katowice, Poland: Uniwersytet Slaski w Katowicach 1979] 96072 (introductory abstract), 93180, 94571–2, 95026, 95078–9, 95611–13, 95627, 96073–9, 96279

ANS annual meeting 1978; San Diego, CA, USA, 18-22 June 1978, [1978] 49650 (introductory abstract), 49629, 49651–78, 49696–700, 49711–13, 49715–47, 49749–87, 49817–26, 49841–52, 49877, 50737, 52609, 52847–53, 52861, 52865, 52960, 52963–4, 52978–81, 53013, 53563–76, 54080–1, 54476–90, 54498–517, 54536–62, 54579–84, 54588–91, 54610–12, 54748, 55777, 55791–2, 55795–6, 55817–18, 57082–3, 57120, 57192, 58126, 59106–11, 59129–56, 59167–75, 59188–230, 59236–46, 59260–1, 59272–83, 59297–8, 59314, 60406–7, 61679–80, 62627, 63742, 63748, 63765–79, 63788–98, 63822, 67751–2, 67793–9, 67811, 67824–44, 67856–69, 67898–919, 67923–31, 67944–51, 67959, 69153, 69162, 69166, 69295, 71887, 71929, 80985–1002, 81012, 81034–41, 81059–64

Applied geophysics; Oulu, Finland, 11-13 Jan. 1978, [Nov. 1978] 58105 (introductory abstract),

Applied Superconductivity; Pittsburgh, PA, USA, 25-28 Sept. 1978, *(IEEE)* [Jan. 1979] 49259, 49835, 50897–8

Atmospheric Chemistry; Konstanz, Germany, 4-6 May 1978, [Nov. 1978] 53403 (introductory abstract), 50141, 52622, 52629–30, 52662, 52670, 52973, 53003, 53404–15

Atmospheric observation; El Paso, TX, USA, 3-5 April 1979, *(IEEE)* [New York, USA: IEEE 1979] 58221 (introductory abstract), 53951–2, 58074–9, 58095, 58098, 58135–7, 58145, 58222–32

Atmospheric optics; Washington, DC, USA, 30-31 March 1978, *(Soc. Photo-Optical Instrumentation Engrs.) R.C.Sepucha (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 66794 (introductory abstract), 64005, 64183, 66429, 66784, 66795–806, 66839–42

Atmospheric pollution; England, 3-4 Nov. 1977, [9 Feb. 1979] 70488 (introductory abstract), 70489–93, 70870–3, 70882

Auroral processes; Seattle, WA, USA, Aug. 1977, [1978] 88521 (introductory abstract), 88544, 88552–7

Bioengineering; San Francisco, CA, USA, 10-15 Dec. 1978, *(ASME) R.C.Eberhart, A.H.Burstein (editor/s),* [New York, USA: ASME 1978] 92416 (introductory abstract), 92158–9, 92174, 92191–2, 92197–9, 92260–83, 92290, 92313–15, 92328, 92370, 92417–18, 92423, 92429–32, 92455–7

Bioengineering, Troy; Troy, NY, USA, 22-23 March 1979, *(IEEE) L.E.Ostrander (editor/s),* [New York, USA: IEEE 1979] 79672 (introductory abstract), 75519, 78924, 79489, 79494, 79506, 79587–95, 79604, 79617–20, 79624, 79647, 79673–8, 79681–2, 79685–92, 79711–15, 80394, 83707, 83718, 83723, 83742–3, 83759–61, 83768, 83776, 83804, 83842–4, 83860, 83870–5, 83882, 83893, 83930–2, 83952, 83978–82, 83997, 84024–9, 84066–8, 88113, 88229, 92160, 92212, 92248, 92284–8, 92320–1, 92371–3, 92419, 92424, 92433–4, 92458–9, 96504, 96599–608, 96694–6, 96706, 96711–15, 96727

Biorheology; La Jolla, CA, USA, 28 Aug. - 1 Sept. 1978, [1978] 74695 (introductory abstract),

Business side of optics industry; San Diego, CA, USA, 28-29 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) E.Owens (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 81354 (introductory abstract),

CERN school of computing 1978 school; Jadwisin, Poland, 28 May - 10 June 1978, *(CERN)* [Geneva, Switzerland: CERN 1978] 89570 (introductory abstract), 89571–81

Characterisation and quality control of nuclear fuels; Karlsruhe, Germany, 13-15 June 1978, [April 1979] 49794 (introductory abstract), 49684–93, 49795–800, 49802–12, 52826, 59232

Chemistry, theoretical; Boulder, CO, USA, 25-30 June 1978, *(Battelle Memorial Inst.; Nat. Sci. Found.; et al)* [Dec. 1978] 49942–5, 49992, 50081, 52041, 52639, 53026

Circuits and systems; Ames, IA, USA, 14-15 Aug. 1978, *H.W.Hale, A.N.Michel (editor/s),* [North Hollywood, CA, USA: Western Periodicals Co. 1978] 93889, 94277, 94408, 94416–21, 96415, 96529

Circuits, systems and computers; Pacific Grove, CA, USA, 6-8 Nov. 1978, *(Naval Postgraduate School Monterey; IEEE; Univ. Santa Clara)* [New York, USA: IEEE 1978] 72522–4, 72773, 74586–8, 74757, 74993–5

Computational atomic and molecular physics; Nottingham, England, 12-15 Sept. 1978, [April-May 1979] 59567 (introductory abstract), 58535, 58560, 59335, 59362–4, 59379, 59406, 59425, 59533–4, 59541–2, 59571, 59577–9, 61851–2

Computerised data acquisition systems in particle and /nuclear physics/; Santa Fe, NM, USA, 14-17 May 1979, *(Clinton P. Anderson Meson Physics Facility; US Dept. Energy; IEEE; Nat. Sci. Found.)* [Aug. 1979] 88779 (introductory abstract), 88922–3, 88990, 89517, 89527–69, 90700, 92337–8, 92648, 93741, 93849, 93899–901

Computerised tomography workshop; Newport Beach, CA, USA, 17-19 Jan. 1979, *(IEEE)* [April 1979] 66507 (introductory abstract), 63883, 66500, 66503, 66508–23

Computers; San Francisco, CA, USA, 10-12 Oct. 1978, *(AFIPS; IPSJ)* [Montvale, NJ, USA: AFIPS Press 1978] 100738

Computers in cardiology; Stanford, CA, USA, 12-14 Sept. 1978, *(IEEE)* [New York, USA: IEEE 1978] 62387 (introductory abstract), 62323–4, 62355–60, 62388–96, 62404, 70575, 70596–600, 70624–39, 70661–84, 70692–5, 70709–10, 70729

Computers in optical systems; San Diego, CA, USA, 28-29 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) A.H.Gott (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 76356 (introductory abstract), 75585, 75613–15, 76876, 80242

Conduction and breakdown in dielectric liquids; Mont-Saint-Aignan, France, 24-28 July 1978, [Aug. 1979] 91354 (introductory abstract), 90346, 90572, 91059–65, 91112–16, 91258, 91355–71

Contrast and radiation damage in biological specimens; Nancy, France, 23-25 May 1978, [Dec. 1978] 66591 (introductory abstract), 65119, 66592–6

Correlation processing; London, England, 2 May 1979, *(IEE)* [London, England: IEE 1979] 66576–7

Corrosion fatigue; Newcastle upon Tyne, England, 17-19 April 1978, *(Metals Soc.)* [July 1979] 79166 (introductory abstract), 79167–75

Cosmic rays; Yakutsk, USSR, June 1977, [1978] 80110 (introductory abstract), 76267, 76919, 79732, 80081–2, 80111, 80113–14, 80118–27, 80129–43, 80145–6, 80368, 84597–602

Cosmic Rays; Yakutsk, USSR, June 1977, [1978] 76022, 80115, 80147–52, 80156–78, 81119, 84491, 84603–6, 84610–11, 84613–14, 84616–19, 84626, 84676

Cosmic rays and particle physics; Newark, DE, USA, 16-21 Oct. 1976, [1978] 58987 (introductory abstract), 58979, 58988–93, 59299–300, 62691, 62697, 62699–708, 63463, 63465, 63534–7, 63561–5, 63824–5, 63864, 66897–8, 66903, 67544, 67610, 67618, 72184

Crime countermeasures; Lexington, KY, USA, 16-18 May 1979, *(Univ. Kentucky; IEEE) J.S.Jackson, R.W.De Vore (editor/s),* [Lexington, KY, USA: Univ. Kentucky 1979] 94422–4, 96646, 98565

Crustal movements; Palo Alto, CA, USA, 25-30 July 1977, [1979] 79785 (introductory abstract), 79720–9, 79752–5, 79773–8, 79786–804, 79828, 79838–40, 80053–7

Cryogenic Engineering.0 86103 006 0; London, England, 4-7 July 1978, [Guildford, England: IPC Sci. & Technol. Press 1979, $85.80] 54137 (introductory abstract), 54122, 54138–44, 54219–24, 54600, 55987, 56454, 58687, 58705–51, 58753–4, 59263, 59986, 60052, 60493–5, 60528, 60574–8, 60965, 60978–9, 61009, 61011, 61016–18, 61387, 61633, 61691–2, 61735–6, 61749, 62419–20, 63232–40, 65182, 65431, 65599, 65627, 67316–17, 67331, 67446, 67953, 67995, 69238, 69314, 69622, 69644–5, 70109, 70133, 70699

Cybernetics and society.I; Tokyo-Kyoto, Japan, 3-7 Nov. 1978, *(IEEE)* [New York, USA: IEEE 1978] 83722, 83739–40, 83756–8, 83763, 83802–3, 83838–40, 83924–6, 83971–6, 83989–92, 84015–22, 84061–2

Cybernetics and society.II; Tokyo-Kyoto, Japan, 3-7 Nov. 1978, *(IEEE)* [New York, USA: IEEE 1978] 79908, 79998, 80031, 80059, 81660–1

Cybernetics and society.III; Tokyo-Kyoto, Japan, 3-7 Nov. 1978, *(IEEE)* [New York, USA: IEEE 1978] 83741, 84023

Cybernetics and systems topics; Amsterdam, Netherlands, 21-25 Aug. 1978, *J.Rose (editor/s),* [Berlin, Germany: Springer-Verlag 1978, $34.00] 53018, 53073–4, 53083, 53107–8, 53153, 53181–4, 55503

Cyclotrons and their applications; Bloomington, IN, USA, 18-21 Sept. 1978, *(US Nat. Sci. Foundation; US Dept. Energy; IEEE; et al.)* [April 1979] 54626 (introductory abstract), 54226, 54447, 54606, 54613–18, 54627–724, 54726–33, 54738, 54740, 57310–12, 57753–6, 57774–6, 71978

Demonstration LFBRs, design, construction, and operating experience; Bologna, Italy, 10-14 April 1978, *(IAEA)* [Vienna, Austria: IAEA 1978] 97887 (introductory abstract), 97778–804, 97816, 97864–78, 97884, 97888–98

Digital image processing; San Diego, CA, USA, 28-29 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) A.G.Tescher (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 94378

Digital terrain modelling; St. Louis, MO, USA, 9-11 May 1978, [Dec. 1978] 84083 (introductory abstract), 84084–6, 84440, 84543–5

Dislocations in tetrahedrally coordinated semiconductors; Hunfeld, Germany, 25-29 Sept. 1978, [June 1979] 82214 (introductory abstract), 82205–10, 82215–22, 82229–33, 82277, 82374, 82379, 82385, 82431, 82531, 82544–51, 82583, 82586, 82606–7, 82611–12, 82641–2, 82871, 83001

Earthquake prediction; Durham, England, 16 Aug. 1977, [April 1979] 57867 (introductory abstract), 57842, 57868–75, 62452–4, 62478

EEG technology; San Francisco, CA, USA, Sept. 1978, [Dec. 1978] 88079

Eldctromagnetic induction in the Earth and Moon; Murnau, West Germany, 7-13 Sept. 1978, *(Internat. Assoc. Geomagnetism & Aeronomy)* [Gottingen, West Germany: German Geophysical Society 1978] 79741 (introductory abstract),

Electrical contacts; Chicago, IL, USA, 11-15 Sept. 1978, *(Illinois Inst. Technol.: IIT Res. Inst.)* [Chicago, IL, USA: Illinois Inst. Technol. 1978] 94363

Electricity in industry; Paris, France, 29 Nov. - 1 Dec. 1978, [May 1979] 96327–8

Electrochemical Society Meeting; Boston, MA, USA, 6-11 May 1979, [March 1979] 91959 (introductory abstract),

Electron microscopy; Pretoria, South Africa, 4-5 Dec. 1978, [Johannesburg, South Africa: Electron Microscopy Soc. Southern Africa 1978] 71576 (introductory abstract), 71484, 71577–80, 73078, 73171–2, 73223, 73315, 73415–16, 73771, 74089, 74150, 74168, 74480–1, 74585, 74818–25, 74891

Electron microscopy, Toledo; Toledo, OH, USA, 8 Sept. 1978, [1979] 100796 (introductory abstract),

Electron radiotherapy planning; Cincinnati, OH, USA, 31 July 1977, *C.G.Orton, F.Bagne (editor/s),* [New York, USA: American Inst. Physics 1978] 100730 (introductory abstract), 100731–5

Electronics, man and society; Lausanne, Switzerland, 10-11 Oct. 1978, *(ASE; EPFL; GESO; IEEE)* [Lausanne, Switzerland: Ecole Polytech. Federale de Lausanne 1978, Sw.Fr. 30.00] 70660, 70691

Eleventh Masurian nuclear physics summer school; Mikolajki, Poland, 30 Aug. - 2 Sept. 1978, [1978] 63605 (introductory abstract), 63600, 63648, 63666, 67046

Eleventh Masurian nuclear physics summer school; Mikolajki, Poland, 30 Aug. - 2 Sept. 1978, [1979] 93484–5, 93526, 93535, 93539–40, 93549, 93585, 93647, 93673, 93960, 97722

EM fields in biology; Ottawa, Canada, 27-30 June 1978, *(Internat. Microwave Power Inst.; IEEE; et al)* [Edmonton, Canada: Internat. Microwave Power Inst. 1979] 96618 (introductory abstract), 96521, 96619–20, 96647, 97341, 100578, 100634, 100660, 100665–70, 100802

Energy conversion.I; San Diego, CA, USA, 20-25 Aug. 1978, [Warrendale, PA, USA: Soc. Automotive Engrs. 1978] 52866–9, 52890–6, 53285–7

Energy conversion.II; San Diego, CA, USA, 20-25 Aug. 1978, [Warrendale, PA, USA: Soc. Automotive Engrs. 1978] 49792, 49828–31, 49854–61, 50191, 50885, 52862–3, 52877–80, 52897–912, 52915–17, 52930, 52937, 52942–51, 52955, 52958, 53584, 53702

Energy conversion.III; San Diego, CA, USA, 20-25 Aug. 1978, [Warrendale, PA, USA: Soc. Automotive Engrs. 1978] 49862–4, 52870–2, 52875, 52913, 52929, 52938–40, 52952

Energy conversion; Houston, TX, USA, 6-9 Nov. 1978, *(ASME) O.M.Griffin (editor/s),* [New York, USA: ASME 1978, $18.00] 83611 (introductory abstract), 83612–16

Energy systems; San Francisco, CA, USA, 10-15 Dec. 1978, *(ASME) C.H.Marston (editor/s),* [New York, USA: ASME 1978] 83550 (introductory abstract), 83551–6, 83604–8, 83617, 83638–9

Environmental systems planning, design and control; Kyoto, Japan, 1-5 Aug. 1977, *(IFAC) Y.Sawaragi, H.Akashi (editor/s),* [Oxford, England: Pergamon 1978, $125.00] 52962 (introductory abstract),

Environmental systems planning, design and control.I; Kyoto, Japan, 1-5 Aug. 1977, *(IFAC) Y.Sawaragi, H.Akashi (editor/s),* [Oxford, England: Pergamon 1978] 52970–2, 52984–9, 53261, 53399–400, 57497–501, 57511–24, 57533–46, 57559–61, 57992–3, 58091–2, 58130, 58220

Environmental systems planning, design and control.II; Kyoto, Japan, 1-5 Aug. 1977, *(IFAC) Y.Sawaragi, H.Akashi (editor/s),* [Oxford, England: Pergamon 1978] 52990–6, 52998–3000, 57350, 57502–4, 57547

Extragalactic astronomy; Paris, France, 11-13 Dec. 1978, [1979] 97121 (introductory abstract), 96880, 97061–72, 97094, 97108, 97110–12

Fault mechanics and earthquake prediction; Stanford, CA, USA, 1-3 Dec. 1977, [10 May 1979] 84143 (introductory abstract), 84076–8, 84106, 84144–57, 84193–8, 84240–1

Ferroelectricity, Leningrad; Leningrad, USSR, 18-23 Sept. 1977, [1978] 56748

Few body systems and electromagnetic interactions; Frascati, Italy, 7-10 March 1978, *C.Ciofi Degli Atti, E.De Sanctis (editor/s),* [Berlin, Germany: Springer-Verlag 1978] 71804 (introductory abstract), 71795–9, 71805–9, 71840–2, 71846–50, 72034–6

Few body systems and nuclear forces; Graz, Austria, 24-30 Aug. 1978, *H.Zingl, M.Haftel, H.Zankel (editor/s),* [Berlin, Germany: Springer-Verlag 1978, $25.30] 80880 (introductory abstract), 80772, 80806, 80815, 80837–42, 80846, 80887–8, 80904–6, 80929, 80944–6, 80958–9, 81309, 85010–12, 85072, 85322–4, 85343, 85379–81, 85384, 85389, 85435, 85440–1, 85447–50, 85479, 86026

Few body systems and nuclear forces 1; Graz, Austria, 24-30 Aug. 1978, *H.Zingl, M.Haftel, H.Zankel (editor/s),* [Berlin, Germany: Springer-Verlag 1978, $19.80] 67567 (introductory abstract), 67485, 67517–19, 67525–7, 67552–4, 67559, 67563–4, 67571–97, 67601–5, 67607–8, 67639, 67673–7, 67679–80, 67710, 67747, 67754–5, 68336, 71793–4, 71800–3, 71818, 71830–7, 71839, 71854–5, 71857–8, 75402, 75411–14, 75694–5, 75702, 75777, 75782–6, 75791–5, 75797, 75834, 75856, 75861–6, 75872, 75875–7, 75893, 75931–42, 75953–5, 75964–8, 75975, 75992–6001, 76003–6, 76008–13, 76030–41, 76330

Finite elements in nonlinear mechanics; Stuttgart, Germany, 30 Aug. - 1 Sept. 1978, [March 1979] 49026–7, 49052–6, 49059, 50606, 53370

Flow-induced crystallization; Midland, MI, USA, 22-26 Aug. 1977, [Jan. 1979] 82161 (introductory abstract), 82162–4, 83235, 83247

Flow measurement of fluids; Groningen, Netherlands, 11-15 Sept. 1978, *(IMEKO) H.H.Dijstelbergen, E.A.Spencer (editor/s),* [Amsterdam, Netherlands: North-Holland 1978] 68839 (introductory abstract), 68840–93, 72975–9

Frequency control, 1978; Atlantic City, NJ., USA, 31 May - 2 June 1978, *(US Army Electronics Res. Development Command)* [Washington, DC, USA: Electronic Industries Assoc. 1978] 54100 (introductory abstract), 54097–8, 54101–10, 54204, 55097–101, 55289–300, 55810, 56055–6,

Fundamental physics with reactor neutrons and neutrinos; Grenoble, France, 10-11 Oct. 1977, *T.von Egidy (editor/s),* [London, England: Inst. Physics 1978] 59112 (introductory abstract), 58617, 58958–63, 58994, 59008, 59048, 59073–4, 59113, 59293–4, 63386, 63858, 67482, 67538–43, 67551, 67932, 68120–1

Fusion reactor design concepts; Madison, WI, USA, 10-21 Oct. 1977, *(IAEA)* [Vienna, Austria: IAEA 1978] 71957 (introductory abstract), 71958–77, 76119–47, 77344

Gasdynamics of [explosions] and [reactive systems]; Stockholm, Sweden, 22-26 Aug. 1977, [Nov.-Dec. 1978] 64690 (introductory abstract), 64554, 64642, 64691, 64737–8, 64792–5, 66255, 66296–7

Geographic information systems; Dedham, MA, USA, 16-21 Oct. 1977, *G.Dutton (editor/s),* [Reading, MA, USA: Addison-Wesley 1978, $130.00] 74826 (introductory abstract),

Geophysical fluid dynamics; Munich, Germany, 6-9 Sept. 1977, [1978] 57951 (introductory abstract), 55354, 55358, 57952–6, 58015–16, 58081, 58140

Growth of medical electronics; Madras, India, 6-7 July 1978, [Jan.-Feb. 1979] 96674 (introductory abstract), 94407, 96653, 96675–84, 96698, 96720

Hall effect in disordered systems; Cambridge, England, 5-6 May 1978, [Nov. 1978] 51604 (introductory abstract), 51605–10, 51681–2

Heavy ion and meson physics; Les Houches, France, 4 July - 20 Aug. 1977, *R.Balian, M.Rho, G.Ripka (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $133.25] 71864 (introductory abstract),

Heavy ion and meson physics.I; Les Houches, France, 4 July - 20 Aug. 1977, *R.Balian, M.Rho, G.Ripka (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $66.75] 71785–6, 71865–71

Heavy ion and meson physics.II; Les Houches, France, 4 July - 20 Aug. 1977, *R.Balian, M.Rho, G.Ripka (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $80.00] 80883, 80890, 80893–5, 80960–1, 84815

High angle of attack aerodynamics; Sandefjord, Norway, 4-6 Oct. 1978, *(AGARD)* [Neuilly-sur-Seine, France: AGARD 1979] 77159 (introductory abstract), 77140, 77164, 77177–8

High energy physics with polarized beams and polarized targets; Argonne, IL, USA, Oct. 1978, [1979] 63526 (introductory abstract), 63324, 63334, 63404, 63409–11, 63466, 63482–3, 63498–505, 63514, 63521–3, 63527–8, 63533, 63538–44, 63826–7, 63832–50, 67531, 67560, 67568, 68065

High speed computer and algorithm organisation; Champaign, IL, USA, 13-15 April 1977, *(Univ. Illinois; IEEE; ACM; et al) D.J.Kuck, D.H.Lawrie, A.H.Sameh (editor/s),* [London, England: Academic 1977] 70878–9, 70899

High temperature investigation of ceramic materials; Baden-Baden, Germany, 16 Feb. 1978, [Dec. 1978] 70135 (introductory abstract), 70136, 70175, 70233–4

High temperature materials; Reutte, Austria, 23-26 May 1977, [1978] 57124 (introductory abstract), 55623, 55879, 55932, 56048, 56935, 56946, 56993, 57045–6, 57125–6, 57138

Holographic displays; London, England, 6 Dec. 1978, *(IEE)* [London, England: IEE 1978] 50258 (introductory abstract), 50259–66

Hospital Engineering; Lisbon, Portugal, 28 May - 2 June 1978, [Dec. 1978] 79667 (introductory abstract), 79383, 79668

Hydrogen as energy vector; Brussels, Belgium, 3-4 Oct. 1978, [Luxembourg: Comm. European Communities 1978] 74511 (introductory abstract), 74259–60, 74396–9, 74413, 74483, 74512, 74547–52

IEEE technical conference; Sacramento, CA, USA, 25-27 April 1979, *(IEEE)* [New York, USA: IEEE 1979] 97166, 100480–1, 100553, 100686, 100772–3, 100801

Image understanding systems and industrial applications; San Diego, CA, USA, 30-31 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) R.Nevatia (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 100736–7, 100989–90

Industrial and control applications of microprocessors; Philadelphia, PA, USA, 19-21 March 1979, *(IEEE)* [New York, USA: IEEE 1979] 58770, 60087, 62401–3

Inelastic light scattering; Santa Monica, CA, USA, 22-25 Jan. 1979, [Oct. 1979] 95762 (introductory abstract), 94004–5, 94201, 95111–12, 95763–75, 95794–5, 95803, 95840

Information technology 78; Jerusalem, Israel, 6-9 Aug. 1978, *J.Moneta (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $71.00] 57805–6

Information treatment methods; Trieste, Italy, 24-25 Nov. 1977, [Dec. 1978] 58265 (introductory abstract), 54031, 58254, 58256–8, 58266–71, 58614, 62751, 62756–8

Infrared astronomy; Lecce, Italy, 22-24 Sept. 1977, [March 1978] 101077 (introductory abstract), 53829, 100958

Infrared technology; San Diego, CA, USA, 30-31 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) I.J.Spiro (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 97395, 97428, 97435–8, 97445, 97450, 100957, 101087–8, 101091

Instrumentation in astronomy; Tucson, AZ, USA, 29 Jan. - 1 Feb. 1979, *(Soc. Photo-Optical Instrumentation Engrs.) D.L.Crawford (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1979] 75108 (introductory abstract),

Intensive care instrumentation and control; London, England, 17 May 1979, *(IEE)* [London, England: IEE 1979] 70702 (introductory abstract), 70576, 70685, 70703

Interaction of metals with gases and carbon; Stuttgart, Germany, 19-23 Sept. 1977, [Sept.-Oct. 1978] 57134 (introductory abstract), 55340, 55771, 55878, 55889, 55898, 55931, 56940, 56955, 56964, 56981, 56992, 57007, 57136–7, 57164, 57201, 57289

International telecommunications and change; Dallas, TX, USA, 26 Feb. - 2 March 1979, *H.Gershanoff, D.B.Egan (editor/s),* [Dedham, MA, USA: Horizon House Internat. 1979] 94365–7, 96806

Invar problem; Nagoya, Japan, 4-6 Sept. 1978, [Feb.-March 1979] 56481 (introductory abstract), 55805–6, 55838, 55856, 55891, 56484, 56489–93, 56502–5, 56517–18, 56521, 56531–2, 56558–60, 56589–96, 56638–42

Ion beam analysis; Paris, France, May 1978, [Oct. 1978] 58837 (introductory abstract), 58838–41, 60395, 61481, 61594, 61924, 62414

Italian Astronomical Society 20th meeting; Frascati, Italy, 7-10 Oct. 1976, *(Italian Astron. Soc.)* [Dec. 1977] 80247 (introductory abstract),

Laser and fibre optics communications; San Diego, CA, USA, 28-29 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) M.Ross (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 86203 (introductory abstract), 86132–3, 86194–5, 86248, 86261–3, 90036–7

Laser-solid interactions and laser processing; Boston, MA, USA, 27 Nov. - 1 Dec. 1978, *(Materials Res. Soc.)* [1978] 69911 (introductory abstract), 69012, 69040, 69121–39, 69147–8, 69159, 69163, 69192, 69227, 69247, 69372–4, 69419, 69457, 69508, 69593–4, 69609, 69819, 69912–21, 70075, 70084–6, 70180, 70198–201, 70364–6, 73098, 73180–99, 73204, 73583–5, 73605, 73914, 74024–8, 74119, 77613

LEP Summer study; Les Houches, France, 10-22 Sept. 1978, *(CERN; ECFA)* [Geneva, Switzerland: CERN 1979] 97916 (introductory abstract), 97567–9, 97605, 97613–17, 97626–7, 97644, 97917–19, 97924, 97952–3

Liquid crystals; Bordeaux, France, 1-5 July 1978, [April 1979] 86677 (introductory abstract), 86678–709, 86780, 86863, 86876–8, 87328, 87415, 87438, 87863, 90527–33, 90711, 90811, 91297, 91336–7, 91350, 91380, 91385, 91402, 94873–83, 95129–42, 95714, 98676, 98817, 99062–71, 99399, 99401, 99894, 100355, 100580–2

Liquids, response to dynamic tension; Ispara, Italy, 27 Sept. 1977, [Luxenbourg: Comm. European Communities 1978] 69175 (introductory abstract), 68750–2, 68770–1, 69176

Low energy ion beams; Salford, England, 5-8 Sept. 1977, *K.G.Stephens, I.H.Wilson, J.L.Moruzzi (editor/s),* [Bristol, England: Inst. Physics 1978, $44.00] 49337–8, 49880, 49888–9

Low temperature physics; Grenoble, France, 23-29 Aug. 1978, [Aug. 1978] 51462 (introductory abstract), 50113, 51321–2, 51326–35, 51342–67, 51369–89, 51413–16, 51436, 51713–14, 51720, 51728, 54047, 54778, 55003, 55888, 55941, 55952–85, 55990–6003, 56007–12, 56015, 56020–35, 56066, 56098–9, 56116–17, 56120, 56193–5, 56201, 56230, 56348–65, 56368–71, 56373–94, 56401–45, 56448–53, 56460–2, 56464–75, 56480, 56601, 56623, 56650–1, 56801, 57308, 60573, 60583–9, 60600–1, 60701, 60956–7, 60961, 60963–4, 60970, 60975–6, 60988–97, 60999–1001, 61008, 61010, 69311–12, 69318–19

Low temperature physics; Grenoble, France, 23-29 Aug. 1978, [Aug. 1978] 58701–4, 60439–40, 60443, 60459–60, 60463, 60518–22, 60563, 60676, 60688, 60745, 60769–71, 60775, 60780, 60783–6, 60791–5, 60797–800, 60802–5, 60810–11, 60813–22, 60824, 60839, 60845, 60855, 60865–6, 60911, 60936, 60958, 60962, 60971–3, 60977, 61020, 61022, 61031–2, 61036, 61047, 61051–7, 61065–7, 61069–70, 61076–81, 61091–3, 61099–100, 61108–11, 61144–78, 61187–8, 61192, 61221, 61234–7, 61244, 61255–9, 61288–9, 61299–300, 63212–13, 63216–30, 63274–6, 63284–6, 63290, 63330, 65150–1, 65157–8, 65166, 65196, 65212–15, 65228, 65266–7, 65304, 65331, 65358–68, 65372, 65381–2, 65385, 65430, 65504, 65511, 65522, 65525, 65533–4, 65540, 65571, 65601, 65610–17, 65644, 65686, 65723, 65743, 65755, 65757, 65780, 73431–2

Low temperature physics; Grenoble, France, 23-29 Aug. 1978, [Aug. 1978] 63057, 63231, 65152, 65164, 65268, 65272–5, 65277–80, 65284–7, 65289–91, 65369, 65400, 65462, 65579–82, 65589–92, 65618, 65624, 65646–7, 65653–4, 65687–9, 65734, 65782, 67313–15, 67368, 69207, 69483, 69486, 69495, 69640, 69689, 69771, 69902, 71161

Macromolecular science; Dublin, Ireland, 17-22 July 1977, [1977] 55012 (introductory abstract), 55013–14, 55673, 56261, 57088, 57217, 57574

Magnestism and magnetic materials; Cleveland, OH, USA, 14-18 Nov. 1978, [March 1979] 73651 (introductory abstract), 73100, 73338, 73346, 73483–5, 73491–2, 73560, 73612–13, 73630, 73664–8, 73678–80, 73689–96, 73701, 73706–8, 73713–16, 73721–38, 73774–8, 73780, 73782, 73784–5, 73790–6, 73799, 73804, 73818–24, 73837–8, 73858–61, 73902–3, 75670, 76237, 77497, 77666, 77981, 77993, 78047–8, 78053–5, 78067–71, 78077–80, 78096, 78118–20, 78263, 78281, 78284, 78290–2, 78297, 78304, 78307–8, 78310, 78314–31, 78337–44, 78350–4, 78359–60, 78362–4, 78367–73, 78381–401, 78431–4, 78439–40, 78447–50, 78456–88, 78491–6, 78512–14, 78527–31, 78535, 78550, 78562, 78578–83, 78666, 78828–31, 78907, 82171, 82762, 82774–5, 82778–9, 82812–14, 82822–8, 82831–3, 82837, 82843–7, 82852–3, 82875–9, 82895, 82955–6, 83335–9, 83544, 83813, 87593, 91810

Magnetic garnets; Varenna on Lake Como, Italy, 27 June - 9 July 1977, *A.Paoletti (editor/s),* [Amsterdam, Netherlands: North-Holland 1978, $66.75] 99668 (introductory abstract), 99166–7, 99552, 99669, 99695–6, 99718–19, 99727, 99748, 99776, 99859–60, 100031

Material characterization using ion beams; Aleria, Corsica, 29 Aug. - 12 Sept. 1976, *J.P.Thomas, A.Cachard (editor/s),* [New York, USA: Plenum 1978] 96403 (introductory abstract), 93256, 95060–4, 95252, 95850, 95890, 96404–9

Measurement technique for [optical fibre systems]; London, England, 3 May 1979, *(IEE)* [London, England: IEE 1979] 64348 (introductory abstract), 64349–58

Mechanical Engineering; Haifa, Israel, 11-12 July 1978, [1978] 75304 (introductory abstract), 77032, 77038, 77125, 77172, 77239, 80003

Medical physics; Atlanta, GA, USA, 29 July - 2 Aug. 1979, [July-Aug. 1979] 83858 (introductory abstract),

Meson-Nuclear Physics; Houston, TX, USA, 5-9 March 1979, [1979] 85489 (introductory abstract), 85255–6, 85284–7, 85298, 85313–18, 85325–37, 85339–41, 85351, 85364–5, 85370–7, 85386, 85392–6, 85415–18, 85420–4, 85426–9, 85436–7, 85451–6, 85460–5, 85481, 85484–5, 85490–566, 85836–9, 86083–8, 93662–3

Metallography in failure analysis; Houston, TX, USA, 17-18 July 1977, *J.L.McCall, P.M.French (editor/s),* [New York, USA: Plenum 1978] 61832 (introductory abstract), 61833–6, 62407, 66254

Meteoritical Society; Sudbury, Canada, 14-17 Aug. 1978, [31 Dec. 1979] 101122 (introductory abstract),

Meteorology in the tropical oceans; London, England, 21-25 Aug. 1978, *D.B.Shaw (editor/s),* [Bracknell, England: Royal Meteorological Soc. 1978] 88458 (introductory abstract), 88459–64, 92583–5, 92651

Microscopic optical potentials; Hamburg, Germany, 25-27 Sept. 1978, *H.V.Von Geramb (editor/s),* [Berlin, Germany: Springer-Verlag 1979, $23.40] 92904 (introductory abstract), 93546, 93574–84, 93630–6, 97684–91, 97698, 97712, 97714–19, 97727–30, 98223, 98255

Microwave symposium; Orlando, FL., USA, 30 April - 2 May 1979, *(IEEE)* [New York, USA: IEEE 1979] 68356 (introductory abstract), 70443, 70582–4, 70604, 70649, 73879, 76549, 76872–4, 80060–3, 81566, 84552

Microzonation; San Francisco, CA, USA, 26 Nov. - 1 Dec. 1978, *(Nat. Sci. Foundation; UNESCO; et al)* [Seattle, WA, USA: Univ. Washington 1978] 88269 (introductory abstract),

Microzonation.I; San Francisco, CA, USA, 26 Nov. - 1 Nov. 1978, *(Nat. Sci. Foundation; UNESCO; et al)* [Seattle, WA, USA: Univ. Washington 1978] 88270–91, 88513–14

Microzonation; San Francisco, CA, USA, 26 Nov. - 1 Dec. 1978, *(Nat. Sci. Foundation; UNESCO; et al)* [Seattle, WA, USA: Univ. Washington 1978] 88292–311, 88515–16

Microzonation.III; San Francisco, CA., USA, 26 Nov. - 1 Dec. 1978, *(Nat. Sci. Foundation: UNESCO: et al)* [Seattle, WA, USA: Univ. Washington 1978] 84182–5, 84488

MIDCON 1978; Dallas, TX, USA, 12-14 Dec. 1978, [North Hollywood, CA, USA: Western Periodicals Co. 1978] 87939 (introductory abstract), 87940, 87965, 87980, 87985, 87995, 90095–8, 92065–6, 92082, 96541, 96661–2, 96693, 96845

Middle atmosphere; Seattle, WA, USA, Aug. 1977, [1978-79] 84428 (introductory abstract), 84429, 84431–8, 84480, 84487

Military electronics defence expo '78; Wiesbaden, Germany, 3-5 Oct. 1978, *(Countermeasures; Internat. Defense Rev.; et al.)* [Geneva, Switzerland: Interavia S.A. 1978] 49296, 50413–14, 52129, 53500

Millimetre and submillimetre wave propagation and circuits; Munich, Germany, 4-8 Sept. 1978, *(AGARD) E.Spitz (editor/s),* [Neuilly-sur-Seine, France: AGARD 1979] 76649, 76667, 80000–2, 80065, 84465–6, 84551, 88465

Mineral and rock deformation; Perros-Guirec, France, 1-5 Oct. 1978, [1979] 96757 (introductory abstract),

Miniature clinical transducers; London, England, 11 May 1979, *(IEE)* [London, England: IEE 1979] 100776 (introductory abstract), 100777–83

Modelling and simulation; Sunderland, England, 24-25 May 1978, *M.Cross, R.D.Gibson, M.J.O'Carroll, T.S.Wilkinson (editor/s),* [London, England: Pentech 1979] 80440, 82428, 83841

Modulated structures; Kailua Kona, HI, USA, 22-25 March 1979, *(USA Committee for Crystallography; Internat. Union Crystallography; NSF; Arizona State Univ.)* [1979] 94928 (introductory abstract), 94844–6, 94853, 94929–31, 94938, 94943–8, 94956–7, 94959–62, 94966–71, 94986, 95005, 95027–34, 95054–5, 95068, 95115–16, 95120, 95155–60, 95174–6, 95300, 95310, 95348–9, 95515, 95576, 95712–13, 95739, 95996, 96025–6, 96029, 96042–4, 96760, 99025, 99101, 99142–52, 99178, 99220–1, 99328, 99435, 100832

Molecular luminescence; Minsk, USSR, May 1977, [1978] 54878 (introductory abstract), 54830, 54840–2, 54879–98, 54930, 55130, 56826–38

Molecular luminescence; Minsk, USSR, May 1977, [1978] 85185, 85946, 85970–1, 85980–95, 86006–7, 87043, 87467, 87477–89, 87846–8, 87853–4, 87891, 88052, 99863

Monsoons; New Delhi, India, 7-12 March 1977, [Jan.-April 1978] 88410 (introductory abstract),

Muon spin rotation; Rorschach, Switzerland, 4-7 Sept. 1978, [Jan.-Feb. 1979] 56652 (introductory abstract), 55004–5, 55933, 56105, 56162, 56172, 56446, 56653–706, 57209–10, 57259, 57271–9

Murray-Darling river system; Melbourne, Australia, 13 Oct. 1977, [30 Nov. 1979] 92556 (introductory abstract),

Narrow-gap semiconductors; Warsaw, Poland, 12-15 Sept. 1977, *J.Rauluszkiewicz, M.Gorska, E.Kaczmarek (editor/s),* [Amsterdam, Netherlands: Elsevier 1978, $73.95] 82582 (introductory abstract), 81491, 82338, 82523, 82558–60, 82595, 82601, 82609–10, 82959–63, 82983–5, 83033, 83048

Neutrino detection; Washington, DC, USA, 25 April 1978, *(Catholic Univ. America; Naval Res. Lab.)* [1979] 80217 (introductory abstract), 75759–61, 76265–6, 80107–9, 80179, 80286–8

Neutron inelastic scattering.I; Vienna, Austria, 17-21 Oct. 1977, *(IAEA)* [Vienna, Austria: IAEA 1978] 50412, 50956–7, 50978–9, 50990–1, 51012, 51020–4, 51214–16, 51222–3, 51228

Neutron inelastic scattering.II; Vienna, Austria, 17-21 Oct. 1977, *(IAEA)* [Vienna, Austria: IAEA 1978] 50144, 50972, 50980–1, 50983, 51231, 51336, 51740, 51765–70, 55647, 60359, 60444, 60450–3, 60469, 60550–1, 60556–8, 60639–43, 61058, 61068, 61112–13, 61179

Neutron stars and black holes; Varenna on Lake Como, Italy, 14-26 July 1975, *(Italian Phys. Soc.) P.Giacconi, R.Ruffini (editor/s),* [Amsterdam, Netherlands: North-Holland 1978] 80334 (introductory abstract),

New radiopharmaceuticals; London, England, 14 Feb. 1979, [Sept. 1979] 92329 (introductory abstract),

Newton and the enlightenment; Cagliari, Italy, 3-5 Oct. 1977, [1978] 62986 (introductory abstract),

NMR imaging; London, England, 16 Nov. 1978, [Aug. 1979] 83876 (introductory abstract),

Non-Newtonian fluid mechanics; Louvain-la-Neuve, Belgium, 28 Aug. - 1 Sept. 1978, [April 1979] 60007 (introductory abstract), 59957–8, 60008–35, 60049

Nonlinear nonequilibrium statistical mechanics; Kyoto, Japan, 10-14 July 1978, [1978] 75441 (introductory abstract), 75442–7, 75459, 75478, 75480–3, 77055, 77073–5, 77082–3, 77131, 77287, 77341, 77759, 79221, 79280, 80517–21, 80559–61, 81844, 81854, 81995, 82346, 82506, 82798, 83439

Nuclear materials management; Cincinnati, OH, USA, 27-29 June 1978, [1978] 85672 (introductory abstract), 85600, 85673–93, 85737–50, 89449–51, 89485–6, 89522

Nuclear medicine imaging; London, England, 15 Feb. 1979, [Aug. 1979] 83897 (introductory abstract),

Nuclear power; Hamburg, Germany, 6-11 May 1979, [1979] 97841 (introductory abstract), 97754–69, 97842–9, 97910–11

Nuclear power plant control and instrumentation; Cannes, France, 24-28 April 1978, *(IAEA)* [Vienna, Austria: IAEA 1978] 76096 (introductory abstract),

Nuclear power plant control and instrumentation.I; Cannes, France, 24-28 April 1978, *(IAEA)* [Vienna, Austria: IAEA 1978] 89453–68, 97853–60, 97962

Nuclear power plant control and instrumentation.II; Cannes, France, 24-28 April 1978, *(IAEA)* [Vienna, Austria: IAEA 1978] 76097–115

Nuclear power, quality assurance; Knoxville, TN, USA, 16-18 Oct. 1978, *(American Soc. Quality Control)* [Milwaukee, WI, USA: American Soc. Quality Control 1978, $15.00] 97773 (introductory abstract), 97774–7, 97861–3, 97883

Nuclear power systems; Washington, DC., USA, 18-20 Oct. 1978, *(IEEE)* [Feb. 1979] 49351–3, 49866, 49901, 49918–19, 52800, 53216–21

Nuclear quadrupole resonance; Moscow-Koloma, USSR, Feb. 1978, [1978] 78558 (introductory abstract), 78548, 78559–61

Nuclear spectroscopy and atomic nucleus structure; Alma-Ata, USSR, March 1978, [1978] 75379, 75755, 75810–11, 75824, 75829–31, 75839–43, 75882–3, 75890, 75894–5, 75907–9, 75914–16, 75925, 75928, 75944, 75969, 75976, 76014

Nuclear spectroscopy and atomic nucleus structure; Tashkent, USSR, 22-25 March 1977, [1978] 75812–14, 75825, 75844, 75868–9, 75896, 75910, 75917–21, 75958, 76023, 80867, 80875, 80907

Nuclear spectroscopy and atomic nucleus structure; Tashkent, USSR, 22-25 March 1977, [1978] 80921, 80931, 80947–9

Nuclear spectrosopy and atomic nucleus structure; Alma-Ata, USSR, March 1978, [1978] 75809 (introductory abstract), 75828, 75835, 75838, 75867, 75906, 75912–13, 75927, 75943

Nuclear transmutation of actinides; Ispra, Italy, 16-18 April 1977, *(OECD Nuclear Agency)* [Luxembourg: Comm. European Communities 1978] 85698 (introductory abstract), 85569, 85699–714, 85751–4, 85806–13

Numerical treatment of differential equations; Oberwolfach, Germany, 12-16 Dec. 1977, *R.Ansorge, W.Tornig (editor/s),* [Berlin, Germany: Springer-Verlag 1978, $10.80] 92930 (introductory abstract), 92945, 92950–1, 92963–4, 94393, 94460, 94600

Operational helicopter aviation medicine; Fort Rucher, AL, USA, 1-5 May 1978, *(AGARD) S.C.Knapp (editor/s),* [Neuilly-sur-Seine, France: AGARD 1978] 79664 (introductory abstract),

Optical CAD; San Diego, CA, USA, 28-29 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) R.E.Fischer (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1979] 86228 (introductory abstract), 84922, 85184, 85193–4, 86131, 86149, 86193, 86225, 86229–47, 86260

Optical computing; London, England, 5-7 Sept. 1978, *(IEEE; SPIE; Office Naval Res.)* [New York, USA: IEEE 1978] 72511 (introductory abstract), 72512–21, 72540, 72712–18, 72720, 75107, 75119, 76560, 76595, 76620–8, 76646–8, 76868–71, 76886–7

Optical fibre communication; Washington, DC, USA, 6-8 March 1979, *(IEEE: ISA)* [New York, USA: IEEE 1979] 50320–1, 50330, 50417–40, 50459–71, 50564, 52123

Optics applied to metrology; Strasbourg, France, 26-28 Oct. 1977, *(Soc. Photo-Optical Instrumentation Engnr(s).)* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engr(s) 1978] 85116–23, 85167, 85192, 86130, 86138–48, 86258, 86300, 86389–90, 86542–3, 87852, 88213–14

Organic solid state chemistry; Waltham, MA, USA, 13-16 June 1978, [1979] 73077, 73115, 73122, 73126, 73159, 73266, 73305–7, 73473–4, 73498, 73671, 73813, 73829, 73843, 73855, 73901, 73921–3, 73965, 73984–5, 74052, 74380–2, 74406, 74599

Paediatric nuclear medicine; Edinburgh, Scotland, 20 Oct. 1978, [Aug. 1979] 88150 (introductory abstract),

Particle accelerator engineering and technology; San Francisco, CA, USA, 12-14 March 1979, *(IEEE)* [June 1979] 67979 (introductory abstract), 67969–71, 67980–3, 67996–8009, 68066–72, 71933, 71984–6, 71991–2001, 72037–115, 72129–64, 72186–7, 72208–18, 74783, 76155–6, 76158–60, 76182–96, 76220–31, 76564–5, 79628–31

Particle accelerator engineering and technology; San Francisco, CA, USA, 12-14 March 1979, *(IEEE)* [June 1979] 67325, 67354, 67448, 67972–7, 67984–93, 68010–61, 68073–108, 68376, 68399–400, 69167, 70388, 71981, 71987–90, 72002–16, 72018–30, 72116–25, 72165–72, 74747–8, 76117, 76157, 76161–75, 76197–215, 76232–5

Particle physics; Manoa, Hawaii, 10-23 Aug. 1977, *R.J.Cence, P.N.Dobson, S.Pakvasa, S.F.Tuan (editor/s),* [Honolulu, Hawaii: Univ. Press Hawaii 1978, $15.00] 49485 (introductory abstract), 49409, 49486, 49512, 49533

Pattern recognition; Kyoto, Japan, 7-10 Nov. 1978, *(Internat. Assoc. Pattern Recognition)* [Kyoto, Japan: Kyoto, Univ. 1978] 59651, 62400, 79999, 81044, 83859, 83867, 83927–8, 83946, 84063–5, 88175–83, 88223–8, 88517

Pattern recognition and [signal processing]; Paris, France, 25 June - 4 July 1978, *C.H.Chen (editor/s),* [Alphen aan den Rijn, Netherlands: Sijthoff & Noordhoof 1978, $49.00] 59864 (introductory abstract), 59877–8, 62354, 62386, 62418, 62631

Photochemistry; Gaithersburg, MD, USA, 28 June - 1 July 1976, *(Nat. Bur. Standards) M.J.Kurylo, W.Braun (editor/s),* [Washington, DC, USA: Nat. Bur. Standards 1978] 52709 (introductory abstract), 49006, 49193, 49294–5, 49328, 50008, 50036, 50042–3, 50075–7, 50096, 50150–3, 52023, 52626–7, 52656, 52672–4, 52691, 52710–29, 52777, 52914, 52959, 52982–3, 53492–9, 53600, 53604, 61860, 63952–3, 64035–8, 64084–6, 64113, 66283–90, 66327, 66430, 66785

Photoelectric spectroscopy of semiconductor; Moscow, USSR, 23-25 May 1977, [1978] 82622 (introductory abstract), 82526, 82541, 82602, 82623–38, 82670, 83003, 87125, 87423

Photovoltaic generators; Noordwijk, Netherlands, 11-13 Sept. 1978, [Paris, France: European Space Agency 1978] 96449 (introductory abstract), 96450–78, 96882–6

Physics of condensed matter; Krusevac, Yugoslavia, 17-22 Sept. 1978, [1978] 56104 (introductory abstract), 54040, 54134, 54154, 54780, 54817, 55010–11, 55131, 55194, 55481, 55648–9, 55653, 55668–9, 55682, 55695, 55697, 55710–11, 55760, 55776, 55779, 55789, 55831, 55858, 55864–6, 55897, 55923–5, 55930, 55988, 56047, 56110, 56119, 56121, 56131–4, 56150–1, 56160, 56179–82, 56190, 56196, 56200, 56211, 56215–16, 56247, 56281, 56330–1, 56482, 56486, 56495, 56509–10, 56539–40, 56566–7, 56618, 56627–8, 56742–3, 56752–3, 56774–8, 56808–10, 56870, 56896, 56909–10, 56922, 56945, 56954, 56977, 57006, 57085, 57203, 57236, 57572

Physics of magnetization phenomena; Donetsk, USSR, Sept. 1977, [1978] 82733 (introductory abstract), 82757, 82770–2, 82777, 82780, 82785–6, 82818, 82830, 82839, 82953–4, 82965, 87215, 87230, 87246, 87254–7, 87262, 87281, 87286–7, 87299–300, 87320

Physics of semiconductors; Edinburgh, Scotland, 4-8 Sept. 1978, *B.L.H.Wilson (editor/s),* [London, England: Inst. Physics 1979, £30.00] 95303 (introductory abstract), 93230–1, 94300, 94856, 95021, 95105, 95182, 95312, 95331–2, 95335–7, 95344–6, 95353, 95367–70, 95409–14, 95428, 95434, 95439, 95450–2, 95466, 95490, 95508–10, 95631, 95681, 95738, 95781–9, 95805–6, 95845–6, 95870, 95884–5, 95925

Physiological efficiency; Lodz, Poland, 11-13 Sept. 1978, [Jan.-Feb. 1979] 100559 (introductory abstract),

Picosecond phenomena; Hilton Head, SC, USA, 24-26 May 1978, *C.V.Shank, E.P.Ippen, S.L.Shapiro (editor/s),* [Berlin, Germany: Springer-Verlag 1978] 50329

Planetary science; Boston, MA, USA, 28 Oct. 1977, [1978] 53740 (introductory abstract),

Plasma confinement, magnetic; Varenna, Italy, 1-10 Sept. 1977, *B.Coppi, T.Stringer, R.Pozzoli, E.Sindoni, J.P.Carnihan, G.G.Leotta (editor/s),* [Oxford, England: Pergamon 1979, $50.00] 98963 (introductory abstract), 97905–6, 98862, 98873–5, 98883, 98910–12, 98936–40, 98964–8, 98994

Plasma processing and heating applications; London, England, 23 May 1979, *(IEE)* [London, England: IEE 1979] 94822 (introductory abstract), 94823–6

Plasma science; Montreal, Canada, 4-6 June 1979, *(IEEE)* [New York, USA: IEEE 1979] 90380 (introductory abstract),

Plasma transport, heating, and MHD theory; Varenna, Italy, 12-16 Sept. 1977, *T.Stringer, R.Pozzoli, E.Sindoni, J.P.Carnihan, G.G.Leotta (editor/s),* [Oxford, England: Pergamon 1978, $44.00] 98869 (introductory abstract), 98870–2, 98878, 98882, 98905–9, 98921, 98930–5, 98960–2, 98969, 98992–3, 99000–4

Polymer science; Amherst, MA, USA, 16 May 1979, [1977] 69018 (introductory abstract), 68602, 69003, 69019–27, 69230–2, 69271, 69273, 69291, 69753, 69772, 70034–6, 70062, 70324

Polymers, synthesis and properties; New Orleans, LA, USA, March 1977, [1978] 94118 (introductory abstract), 94119, 94574, 94870, 95992

Power industry instrumentation; Philadelphia, PA, USA, 22-24 May 1978, *(ISA) R.W.Swarthout (editor/s),* [Pittsburgh, PA, USA: ISA 1978] 100557–8

Protostars and planets; Tucson, AZ, USA, 3-7 Jan. 1978, [Oct. 1978] 58329 (introductory abstract), 58280–4, 58300, 58321–3, 58330–5, 58365, 58397–402

Pulsars and supernova remnants; Sydney, Australia, April 1978, [March 1979] 75230 (introductory abstract), 75090, 75120, 75231–5, 75240, 75254–9, 75296

Pure and applied chemistry; Tokyo, Japan, 4-10 Sept. 1977, [1978] 49262, 50010, 50028, 51009, 51091, 52620

Quantitative stratigraphic correlation; Syracuse, NY, USA, 28 Oct. 1977, [1978] 62500 (introductory abstract), 62501–10, 62593–5

Quantum chemistry, biology and pharmacology; Kiev, USSR, 18-22 Sept. 1978, *(Internat. Soc. Quantum Biology; Acad Sci. USSR; Acad Sci. Ukrainian SSR)* [July 1979] 96499 (introductory abstract), 93905, 93927, 94116, 96508–13, 96515–16

Quantum chromodynamics; La Jolla, CA, USA, Aug. 1978, [1979] 97592 (introductory abstract), 97486, 97571, 97593–4

Radiation induced atomic rearrangements in ordering and clustering alloys; Atlanta, GA, USA, 7-8 March 1977, [Dec. 1978] 51164

Radiation oncology; Los Angeles, CA, USA, 4-8 March 1979, [March 1979] 83901 (introductory abstract),

Radiochemistry and analytical chemistry; Piestany, Czechoslovakia, 11-16 Sept. 1978, [1979] 89371 (introductory abstract), 89372–4, 89519

Railroad electrification; Colorado Springs, CO, USA, 12-14 April 1979, *(IEEE)* [New York, USA: IEEE 1979] 57200

Rarefied gas dynamics; Snowmass-at-Aspen, CO, USA, 18-23 July 1976, *J.L.Potter (editor/s),* [New York, USA: American Inst. Aeronautics & Astronautics 1977] 98754 (introductory abstract),

Rarefied gas dynamics.I; Snowmass-at-Aspen, CO, USA, 18-23 July 1976, *P.J.Leith (editor/s),* [New York, USA: American Inst. Aeronautics and Astronautics 1977] 93257, 94097–100, 94459, 94654–79, 94753–4, 94762, 95270–1, 95891–6, 98755–6

Rarefied gas dynamics.II; Snowmass-at-Aspen, CO, USA, 18-23 July 1976, *J.L.Potter (editor/s),* [New York, USA: American Inst. Aeronautics & Astronautics 1977] 97324–7, 98196, 98340, 98757–62, 98777, 98824–5, 98844, 98851–2, 98881, 100423

Real-time signal processing; San Diego, CA, USA, 28-29 Aug. 1978, *(Soc. Photo-Optical Instrumentation Engrs.) T.F.Tao (editor/s),* [Bellingham, WA, USA: Soc. Photo-Optical Instrumentation Engrs. 1978] 89864, 90089, 92600, 94174–5, 94364

Recovery recrystallization and grain growth in materials; Chicago, IL, USA, Oct. 1977, [July 1979] 97122 (introductory abstract), 100112, 100162–5, 100186–7

Refractory oxides for energetic high temperature applications; Odeillo, France, 28 June - 1 July 1977, [1978] 100125 (introductory abstract), 99299, 99308–9, 100127, 100485

Reliability physics; San Francisco, CA, USA, 24-26 April 1979, *(IEEE)* [New York, USA: IEEE 1979] 90819, 92083

Remote sensing data processing; West Lafayette, IN, USA, 27-29 June 1979, *I.M.Tendam, D.B.Morrison (editor/s),* [New York, USA: IEEE 1979] 88473 (introductory abstract),

Safeguards and accountability measurements of special nuclear materials; Williamsburg, VA, USA, 15-17 May 1978, *(Nat. Bur. Standards)* [Washington, DC, USA: Nat. Bur Standards 1978] 81045 (introductory abstract), 80738, 81046–53, 81066–70, 81102, 85605–6, 85619–20, 85715–16, 85755–6, 87931–3

Small accelerator applications: research and industry; Denton, TX, USA, 6-8 Nov. 1978, *(IEEE)* [Feb. 1979] 49331, 49336, 49354, 49867–72, 49878–9, 49883–4, 49975, 50108, 50142, 50771, 51124, 51131–2, 51160, 51400, 52254–6, 52447–8, 52480, 52638, 52683, 52698–9, 52730–1, 52801–7, 53004–5, 53194–6, 53222–7, 53238–45, 53258, 53536, 53728, 54215, 54519, 56903–4, 57166, 57752

Solar energy; New Delhi, India, Jan. 1978, *F.de Winter, M.Cox (editor/s),* [Oxford, England: Pergamon 1978, $400.00] 57357 (introductory abstract),

Solar energy.I; New Delhi, India, Jan. 1978, *F.de Winter, M.Cox (editor/s),* [Oxford, England: Pergamon 1978, $400.00] 54190, 57351, 57358–404, 57441–54, 57468–9, 57472–95, 58066–73, 58084

Solar energy.II; New Delhi, India, Jan. 1978, *F.de Winter, M.Cox (editor/s),* [Oxford, England: Pergamon 1978, $400.00] 61961, 61974–2012, 62014–16, 62026–126, 62153

Solar energy.III; New Delhi, India, Jan. 1978, *F.de Winter, M.Cox (editor/s),* [Oxford, England: Pergamon 1978, $400.00] 57353, 57405–18, 57439, 57455–67, 61939–43, 61948–60, 62017, 62019–24, 62127–52, 70416–25, 70437–42, 70459–61, 70465, 74503–10, 74536–7

Solar energy systems; San Francisco, CA, USA, 10-15 Dec. 1978, *(ASME) J.M.Nash, J.T.Smok, W.C.Thomas, P.E.Jenkins (editor/s),* [New York, USA: ASME 1978, $18.00] 83635 (introductory abstract), 83636

Solar optical observations; Firenze, Italy, 7-10 Nov. 1978, [1978] 75178 (introductory abstract),

Solar terrestrial physics; Innsbruck, Austria, 29 May - 3 June 1978, [April 1979] 58278 (introductory abstract), 58201, 58212–13, 58288, 58296–7, 58312–13

Solar terrestrial physics; Innsbruck, Austria, 20 May - 3 June 1978, [May 1979] 77352, 80099–105, 80186

Solid convection in the terrestrial planets; Moffett Field, CA, USA, 12-13 Dec. 1977, [June 1979] 84691 (introductory abstract), 81875, 84690, 84692–4, 84700

Solid state chemistry of batteries–electrodes and electrolytes; Miami Beach, FL, USA, 12-13 Sept. 1978, [Sept. 1979] 100393 (introductory abstract), 99156, 99360–3, 100394–7, 100427, 100541

Solid-vacuum interface; Amsterdam, Netherlands, 5-9 June 1978, [Feb. 1979] 51653, 52068, 52086, 52772

Solids and plasmas in high magnetic fields; Cambridge, MA, USA, 18-20 Sept. 1978, [April 1979] 60667 (introductory abstract), 60100, 60115, 60159, 60161–2, 60169–76, 60192, 60566, 60685–6, 60689–90, 60706–7, 60718–22, 60738, 60758, 60858, 60861–3, 60889, 60925, 61003–6, 61015, 61120, 61183, 61224–9, 61342–8, 61371–5, 61407, 71491–7, 72445, 73423–5, 73493, 73528–9, 73570, 73684, 73863, 74607, 74811, 75207

Nagoya Univ., Japan
Analysis for extraction and bunching of ion beam from spherical reflex triode, IPPJ-360. 97471
Collisionless tearing instabilities, IPPJ-370. 86607
Current density profile control by programming of gas puffing and plasma current waveform in the JIPPT-II tokamak, IPPJ-372. 86565
The development of soliton physics: an analysis based on information retrieval, IPPJ-362. 62990
Dynamic shear stabilization of hydromagnetic kink instabilities in pinch and/or Tokamak plasmas through a nonlinear mode coupling, IPPJ-353. 50858
Electron temperature effects for an ion beam source, IPPJ-395. 93863
Formation of convective cells by modulational instability of drift Alfven waves, IPPJ-364. 98903
A generalization of inverse scattering method, IPPJ-381. 92994
Helical magnetic configurations by the use of ferromagnetic materials—the Ferromak, IPPJ-371. 82090
New integrable nonlinear evolution equations, IPPJ-394. 92995
Numerical investigation of current driven dissipative drift wave turbulence including finite β and quasilinear effects in a Tokamak plasma, IPPJ-361. 98913
Preliminary experiments of lower hybrid heating in tokamak plasma and JIPP T-11, IPPJ-366. 86617
Propagation of ion acoustic cnoidal wave, IPPJ-367. 86581
Satellite lines to the higher-order resonance series lines of helium-like ions observed in laser-produced plasmas, IPPJ-373. 86618
Soliton solutions in a diatomic lattice system, IPPJ-386. 93076
Space- and time-resolved study of impurities by visible spectroscopy in high density regime of JIPP T-II tokamak plasma, IPPJ-374. 86619
Stabilization of magnetohydrodynamic instabilities in a current-carrying stellarator, IPPJ-368. 86582

Nat. Bur. Stand., Washington, DC, USA
American National Standard N43.1: Radiological safety in the design and operation of particle accelerators, NBS-HB-107. 89511
Angular sensitivity of controlled implanted doping profiles, NBS-SP-400-49. 55770
A bibliography of sources of experimental data leading to thermal properties of binary aqueous electrolyte solutions, NBS-SP-537. 100429
Bibliography on atomic line shapes and shifts (June 1975-June 1978), NBS-SP-366 (suppl.3). 49990
Detector spectral response from 350 to 1200 nm using a monochromator based spectral comparator, NBS-TN-988. 67374
Electron paramagnetic resonance intensity standard: SRM-2601; description and use, NBS-SP-260-59. 54164
EPA/NIH mass spectral data base. Vol.I. Molecular weights 30-186, NSRDS-NBS-63-vol.1. 64119
EPA/NIH mass spectral data base vol.II. Molecular weights 186-273, NSRDS-NBS-63-vol.2. 68329
EPA/NIH mass spectral data base vol.III. Molecular weights 273-381, NSRDS-NBS-63-vol.3. 64120
EPA/NIH mass spectral data base. Vol.IV. Molecular weights 381-1674, NSRDS-NBS-63-vol.4. 64121
Experimental verification of a standard test procedure for solar collectors, NBS-BSS-117. 61947
Extreme wind speeds at 129 stations in the contiguous United States, NBS-BSS-118. 88457
Laser beam profile measurements using spatial sampling, Fourier optics, and holography, NBS-TN-1009. 86201
Measurement of pulsed-laser power, NBS-TN-1010. 86202
NBS reactor. Summary of activities July 1977 to June 1978, NBS-TN-995. 85761
Physical properties data compilations relevant to energy storage. II. Molten salts: Data on single and multi-component salt systems, NSRDS-NBS-61, pt.II. 92090
Properties of selected superconductive materials 1978 supplement, NBS-TN-893. 56366
Smoke detector design and smoke properties, NBS-TN-973. 63331
Standard X-ray diffraction powder patterns, NBS-MN-25-15. 60223

Nat. Inst. Metall., Randburg, S.Africa
Analysis of the NIMROC reference samples for major elements, NIM-2016. 88356
Commissioning of the AEI MS 702 mass spectrometer, NIM-1984. 63323
The determination of boron in high-purity aluminium metal by spark-source mass spectrometry laboratory method No.5/11, NIM-1985. 74479
An electrodeless conductivity meter of improved sensitivity and reliability, NIM-2003. 85153

Nat. Phys. Lab., Teddington, England
The ampere, the kilogram and the fundamental constants—is there a weighing problem?, NPL-QU-52. 85127
Correlation and estimation of vapour-liquid critical properties. II. Critical pressures and critical volumes of organic compounds, NPL-CHEM-98. 99306
A damped flat-plate coupler for use in calibrating circumaural earphones, NPL-AC-90. 86316
Diagnosis of the JET plasma using electron cyclotron emission, NPL-DES-53. 98991
Influence of monitoring conditions on the stress wave emission data recorded during tensile testing of a GRP, NPL-DMA(B)5. 87814
Manual audiometry: a comparison of two methods, NPL-AC-88. 66477
A new method for the measurement of Rockwell diamond indenters, NPL-MOM-33. 66251
Normal hearing threshold and its dependence on clinical rejection criteria, NPL-AC-89. 88091
Numerical solution of a steady, viscous, axisymmetric cavity-flow problem, NPL-DNACS-12/79. 98737
A review of the fundamental methods used at NPL for measuring gauge pressures up to 1 kPa, NPL-MOM-34. 63265
Some linear differential equation problems in the analysis of dissolved species in cracks, NPL-DNACS-14/79. 51316
Spectral lineshape calculation for a stratospheric emission model, NPL-QU-50. 62586
Torsion tests on steels used in the manufacture of high pressure vessels, NPL-CHEM-97. 61690
Vapour-liquid equilibrium for the systems water+methanol, water+ethanol, methanol+ethanol and water+methanol+ethanol, NPL-CHEM-95. 99305

Niobates Res. Group, Inst. of Phys., Acad. of Sinica, Peking, China
Single crystal growth of strontium sodium lithium niobate, . 74078

Oak Ridge Nat. Lab., TN, USA
Directory of crystal growth and solid state materials production and research, ORNL-RMIC-14. 65988

Observation Group of the Sun, Purple Mountain Obs., Acad. Sinica, China
A big solar flare-prominence, . 92744

Orsay Storage Ring Group, Univ. de Paris Sud, Orsay, France
Status report on DCI, . 76190

PETRA-Project Group
The 19 GeV e^+-e^- storage ring PETRA, . 72037

Phys. Dept., Pennsylvania State Univ., University Park, PA, USA
Magnetic-sector atom-probe field ion microscopy, . 75660

Phys.-Tech. Bundesanstalt, Braunschweig, Germany
On term data of energy levels as derived from superimposed glow curves, PTB-JB-5. 56108
SPEKT: a dialog program for evaluating multichannel spectra, PTB-ND-13. 63196

Planetary Lab., Purple Mountain Obs., Acad. Sinica, Nan-ching, China
The orbit of Comet Tsuchinshan 1977q, . 80269

Polymer Scintillator Group, Dept. of Chem., Sichuan Univ., China
Preliminary study of a new polymer scintillator, . 93870

Res. Group of Arch-Abdomen Dam Composed of Fun-Tan Hydroelectric Power Station of Province Hunan, Dept. of Hydraulic Engng., Tsinghua Univ., Peking, China
Photoelastic strain gage and the comparison of the stresses measured in prototype by P.S.G. with the results of the model test and computer, . 72867

Res. Group of Boron Nitride Preparation in Arc Plasma, Dept. of Engng. Mech., Tsinghua Univ., Peking, China
The powdered boron nitride production in arc plasma, . 98999

Res. Group of Gyroscopes & Navigation, Dept. of Precision Instruments, Tsinghua Univ., Peking, China
Horizontal platform using electrostatically suspended gyroscope (ESG) and its application to the measurement of gravity in ocean, . 100976

Res. Group of Iron-base Superalloy, Inst. of Metal Res., Acad. Sinica, Peking, China
The effect of aluminium and titanium on the microstructure and mechanical properties of an iron-base alloy, . 74130
The effect of Cr and Si on the mechanical properties and microstructure of an iron-base alloy, . 100207

Res. Group of Superalloy, Peking Inst. of Iron & Steel Technol., China
The application of PHACOMP in iron-base superalloy, . 100109

Res. Lab. of MHD Power Generation, Nanking Inst. of Technol., China
Magnetohydrodynamic electrical power generation—its physical principles and progress in research, . 82104

Royal Greenwich Obs., Herstmonceux Castle, Sussex, England
Royal Greenwich Observatory Time and Latitude Service 1978 July-September, (unnumbered) Greenwich Time Report. 62729
Royal Greenwich Observatory Time and Latitude Service 1978 October-December, (unnumbered) Greenwich Time Report. 101053

Rutherford Lab., Chilton, Oxon., England
Analysis of nucleon structure function moments from electron and muon data and critical tests of asymptotic freedom, RL-79-025. 54344
The color-radius interactions, $\Gamma(D^0 \to K^+K^-)/\Gamma(D^0 \to \pi^+\pi^-)$ and violations of the $\Delta I = {}^1/_2$ rule, RL-79-052. 93412
Decay properties of baryonia, RL-79-034. 75773
Design of a bio-medical negative pi-meson line at the spallation neutron source at the Rutherford Laboratory, RL-79-030. 74758
Diquark constituents of baryons and baryonium, RL-79-048. 93383
$e^+e^- \to \phi\pi$ and $\gamma N \to \phi\pi N$: their experimental and theoretical interest, RL-79-037. 71760
Gamma and π^0 production by 4 GeV/c π^+p interactions, RL-79-017. 54357
The importance and use of asymptotic freedom beyond the leading order, RL-79-044. 71721
Jet calculus: a simple algorithm for resolving QCD jets, RL-79-026. 63455
Lepton pair production: where the simple Drell-Yan picture breaks down, RL-79-053. 93372
Multiplicity distributions in QCD, RL-79-035. 71720
The Muskhelishvili-Omnes equation and final state interactions, RL-79-001. 67196
On t-flavour production by neutrinos, RL-79-051. 93371
QCD jet calculus, RL-79-043. 67516
The sign of the OZI-rule violation amplitude in the gluonic annihilation model, RL-79-045. 71722
A small finite element program, RL-79-028. 64522

Smithsonian Astrophys. Obs., Cambridge, MA, USA
Direct solar and Earth-albedo radiation-pressure effects on the orbit of Pageos 1, SAO-383. 88566
Estimation of 550-km×550-km mean gravity anomalies and mean geoid heights, SAO-384. 88233

Solid Mechanics Group, Dept. of Mech., Peking Univ., Peking, China
An analysis of shells of revolution. I. Statics, . 76964
An analysis of shells of revolution. II. Dynamics, . 76965

TFR Group, Dept. de Phys. du Plasma et de la Fusion Controlee, CEN, Fontenay-aux-Roses, France
Plasma confinement in the TFR Tokamak, . 60169

The MODE Group, Dept. of Meteorology, MIT, Cambridge, MA, USA
The Mid-Ocean Dynamics Experiment, . 57941

UKAEA, Harwell, Oxon., England
A CARS system for the study of liquids and gases, AERE-R 9027. 97444
Chemical studies of the upper atmosphere using concorde aircraft. I. Design, construction and testing of air sampling equipment, AERE-R9024. 80058
Code of practice and design principles for installed radiological protection systems, AERE-R9374 (ACRPI(77)P5). 85832
A counter for measuring neutron dose equivalent from thermal energies to 10 keV, AERE-R-9357. 63875
Established applications of non-destructive techniques for nuclear materials measurements control or verification: reported to ESARDA, AERE-R9167 ESARDA-6. 87813
An investigation into pollution from a disused gasworks site near Ladybank, Fife, AERE-R9213. 88020
A measurement of the pulse height distribution of a lithium glass scintillator at different neutron energies, AERE-R8967. 54751
The mixed grey gas model for radiative transfer in non-isothermal gases, AERE-R9293. 97323
A note on the capture gamma-ray spectrum of natural Ti produced by thermal neutrons, AERE-R9502. 93629

The oxidation behavior of the ferrite alloy DT02 in carbon dioxide and in argon containing 0.7 Pa water vapour and 37.5 Pa hydrogen at 823-1123K, AERE-R9375. GCFR-UK/R-45. 61803

PIRK 2. A computer program to solve the inverse reactor kinetic equations, AERE-M2991. 76095

Radioactive fallout in air and rain: results to end of 1978, AERE-R9441. 79997

A search for the $^{238}U(\gamma,\alpha)^{234}Th$ and $^{238}U(n,\alpha n')^{234}Th$ reactions and measurements of the $^{60}Ni(n,p)^{60}Co$ and $^{62}Ni(n,\alpha)^{59}Fe$ cross-sections at 14.7 MeV neutron energy from associated monitor foils, AERE-R9390. 85458

A semi-empirical molecular orbital model of silica: application to radiation compaction, AERE-R9319. 73433

SIMON. A FORTRAN Monte-Carlo computer program to simulate a time-of-flight neutron diffractometer using a PDP-11 computer, AERE-R9170. 50955

Some effects of fuel form and carbide distribution in the cladding on fuel-clad chemical interaction during irradiation in the Swedish reactor R2, AERE-R9424. 85618

SPADE—software package to aid diffraction experiments, AERE-R9221. 63195

Specification, design and implementation of computer-based reactor safety systems, AERE-R9362.FTCS-931. 63783

UKAEA, Risley, Lancs., England

A glossary of terms for fast reactors, ND-R-285(R). 85760

International piping bench-marks: use of the simplfied code PACE 2, ND-R-304(R). 93707

A method for the estimation of the probability of damage due to earthquakes, SRD-R-135. 93844

Microstructural aspects of materials failure and corrosion, ND-R-137(S). 52610

RAGRAF: a computer code for calculating temperature distributions in multi-pin fuel assemblies in a stagnant gas atmosphere. Description and user's guide, ND-R-162(R). 85604

The safe transport of radio-active materials, ND-R-259(R). 67968

A user's guide to the programs ITRAP-A, ITRAP-B, ITRAP-S and ITRAP-L, ND-R-53(W). 93843

An X-ray diffractometer specimen holder for use with reactive and toxic materials, ND-R-305(S). 63863

UKAEA, Winfrith, Dorset, England

Absolute calibration of the Rh-103(n,n')Rh-103m reaction rate, AEEW-M 1663. 85875

An analytical treatment for multi-layered reflector regions in neutron diffusion codes, AEEW-R1242. 93683

Current status of evaluated heavy element decay data for reactor calculations: Problems and anomalies-May 1979, AEEW-R1251. 97772

Ukrainian SSR Acad. Sci., Kiev, USSR

Bibliographical index of Soviet authors writing on optical instabilities in the Earth's atmosphere (1945-1975), (unnumbered) Ukrainian SSR Acad. Sci.. 74959

Selenodetic investigations in the USSR Bibliography 1928-1975, (unnumbered) Ukrainian SSR Acad. Sci.. 88609

Univ. Catania, Italy

A new introductory view about superluminal frames and tachyons, INFN/AE-78/2. 58543

Univ. Oslo, Blindern, Norway

A four-channel infrared pinhole photometer for solar intensity observations, R-51. 101069

Heavy neutral lepton predicted by a magnetic quark model, ISBN-82-553-0385-5. 75738

An umbral spectrum λλ 6812-6898 Å, R-50. 101136

Univ. Oxford, England

Plastic flow of mild steel under proportional and non-proportional straining at a controlled rate, OUEL-1280/79. 57084

River quality models near effluent outfalls, OUEL-1270/78. 62157

A survey of the high frequency effects associated with the lightning discharge, OUEL-1290/79. 88456

User's handbook for GT8 galvanometer drive amplifier system, OUEL-1284/79. 63204

Univ. Rome, Italy

On modelling of metacarpus-phalangeal joint movement, R78-20. 88112

Univ. Southampton, England

Measurements of turbulence parameters in a rocket engine exhaust using a laser crossed beam correlation technique, AASU-340. 86541

US Dept. Energy, Oak Ridge, TN, USA

Nuclear reactors built, being built, or planned in the United States as of Dec. 31 1978, TID-8200-R39. 54491

Welding Inst., Abington, Cambs., England

Size measurement and characterisation of weld defects by ultrasonic testing. I. Non-planar defects in ferritic steels, WIR-3527/4/77. 87812

Working group on Laser Velocimetry of Dept. of Hydraulic Engng., Tianjin Univ. & Inst. of Mech. Acad. Sinica & Kaifeng Instrument Works, China

The laser velocimeter and its application in the study of flow over a dam, . 64804

X-Ray Television Res. Group, Kirin Polytech. Univ., Changchun, Kirin, China

X-ray television using an image pick-up tube, . 54243

YDM-Group Low Temperature Lab., Helsinki Univ. of Technol., Espoo, Finland

Mobilities of ions in normal and superfluid ^3He, . 65280

AECL Res. & Dev. Eng. (Canada) – (AERDCO)
AECL Research and Development in Engineering Atomic Energy of Canada Ltd., Chalk River Nuclear Laboratories, Chalk River, Ontario, Canada

AEDS J. (USA) – (AEDSAV)
AEDS Journal Association for Educational Data Systems, 1201 16th Street, N.W., Washington, DC 20036, USA

AEDS Monit. (USA) – (AEDMAD)
AEDS Monitor Association for Educational Data Systems, 1201 16th Street, N.W., Washington, DC 20036, USA

Aeronaut. & Astronaut. (France) – (AENABS)
L'Aeronautique et l'Astronautique Editions Air et Cosmos, 6 Rue Anatole de la Forge, 75017 Paris, France

Aeronaut. J. (GB) – (AENJAK)
Aeronautical Journal Royal Aeronautical Society, 4 Hamilton Place, London W1V 0BQ, England

Aeronaut. Q. (GB) – (AEQUAY)
Aeronautical Quarterly Royal Aeronautical Society, 4 Hamilton Place, London W1V 0BQ, England

Aerotec. Missili & Spazio (Italy) – (ATMSCD)
L'Aerotecnica Missili e Spazio Tamburini Editore S.P.A., Via Pascoli 55, 20133 Milano, Italy

AEU (Japan) – (AEUNAX)
AEU (Journal of Asia Electronics Union) Dempa Publications Inc., 11-15 Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan

AIAA J. (USA) – (AIAJAH)
AIAA Journal American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10019, USA

AIChE J. (USA) – (AICEAC)
A.I.Ch.E. Journal American Institute of Chemical Engineers, 345 East 47th Street, New York, NY 10017, USA

AIIE Trans. (USA) – (AIITAJ)
AIIE Transactions American Institute of Industrial Engineers, 25 Technology Park/Atlanta, Norcross, GA 30092, USA

AIP Conf. Proc. (USA) – (APCPCS)
AIP Conference Proceedings American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Aircr. Eng. (GB) – (AIENAF)
Aircraft Engineering Bunhill Publications Ltd., 127 Stanstead Road, London, SE23 1JE, England

Aktual. Probl. Inf. & Dok. (Poland) – (APDKAG)
Aktualne Problemy Informacji i Dokumentacji Centrum Informacji Naukowej, Techniczej I Ekonomicznej, 00-950 Warszawa, Al Niepodleglosci 188b, Poland

Akust. Zh. (USSR) – (AKZHAE)
Akusticheskii Zhurnal Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Sov. Phys.-Acoust. (USA)*]

Alfaatih Univ. Bull. Fac. Eng. (Libya) – (BFEUDT)
Alfaatih University Bulletin of the Faculty of Engineering P.O. Box 1098, Tripoli, Libya

ALGOL Bull. (GB) – (ALGOBG)
ALGOL Bulletin Editorial address: Department of Computer Science, University of Manchester, Manchester M13 9PL, England

Alkalmazott Mat. Lapok (Hungary) – (AMLAD8)
Alkalmazott Matematikai Lapok Akademiai Kiado, 1055 Budapest V, Alkotmany Utca 21, Hungary

Allis-Chalmers Eng. Rev. (USA) – (ACERBK)
Allis-Chalmers Engineering Review Milwaukee, WI 53201, USA

Alta Freq. (Italy) – (ALFRAJ)
Alta Frequenza Ufficio Centrale AEI-CEI, Viale Monza 259, 20126 Milano, Italy

Am. Ceram. Soc. Bull. (USA) – (ACSBA7)
American Ceramic Society Bulletin 65 Ceramic Drive, Columbus, OH 43214, USA

Am. J. EEG Technol. (USA) – (AJETA6)
American Journal of EEG Technology Raven Press Publishers, 1140 Avenue of the Americas, New York, NY 10036, USA

Am. J. Optom. & Physiol. Opt. (USA) – (AOPOCF)
American Journal of Optometry and Physiological Optics Williams & Wilkins Co., 428 East Preston Street, Baltimore, MD 21202, USA

Am. J. Phys. (USA) – (AJPIAS)
American Journal of Physics Published for the American Association of Physics Teachers by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Am. J. Phys. Med. (USA) – (AJPBA7)
American Journal of Physical Medicine Williams and Wilkins Co., 428 East Preston Street, Baltimore, MD 21202, USA

Am. J. Sci. (USA) – (AJSCAP)
American Journal of Science Kline Geology Laboratory, Yale University, Box 2161, New Haven, CT 06520, USA

Am. Lab. (USA) – (ALBYBL)
American Laboratory International Scientific Communications Inc., 808 Kings Highway Fairfield, CT 06430, USA

Am. Mineral. (USA) – (AMMIAY)
American Mineralogist Mineralogical Society of America, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Am. Sci. (USA) – (AMSCAC)
American Scientist Society of Sigma XI, 345 Whitney Avenue, New Haven, CT 06510, USA

AMR (Germany) – (AMRTAO)
AMR Title changed to: *Process Eng. (Germany)*

An. Acad. Bras. Cienc. (Brazil) – (AABCAD)
Anais da Academia Brasileira de Ciencias Caixa Postal 229, ZC-00 Rio de Janeiro gb, Brazil

An. Fis. (Spain) – (ANFIA6)
Anales de Fisica Real Sociedad Espanola de Fisica y Quimica (Facultad de Ciencias), Ciudad Universitaria, Madrid-3, Spain

An. Mec. & Electr. (Spain) – (AMEMA6)
Anales de Mecanica y Electricidad Reina 31, Madrid-4, Spain

An. Stiint. Univ. 'Al.I.Cuza' Iasi (Ser. Noua) Sect. IB (Rumania) – (AUZFAA)
Analele Stiintifice ale Universitatu 'Al.I. Cuza' din Iasi (Serie Noua) Sectiunea IB Fizica Calea 23 August, Iasi, Rumania

An. Univ. Bucuresti Fiz. (Rumania) – (ABFZA7)
Analele Universitatii Bucuresti Fizica Biblioteca Centrala Universitara, Serviciul Schimb de Publicatii, Bucuresti, Str. Onesti 1, Rumania

Anal. Adv. (USA) – (AAHPBF)
Analytical Advances Hewlett Packard Co., Avondale, PA 19311, USA

Anal. Chem. (USA) – (ANCHAM)
Analytical Chemistry American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Anal. Chim. Acta Comput. Tech. & Optimiz. (Netherlands) – (CTOPD3)
Analytica Chimica Acta Computer Techniques and Optimization Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Anal. Math. (Hungary) – (ANMADK)
Analysis Mathematica Kultura, Hungarian Trading Co., H-1389 Budapest 62, P.O. Box 149, Hungary

Anal. MG (France) – (ANMGC3)
Analyses MG. Revue Technique Merlin Gerin DEP, 83 X, 38041 Grenoble Cedex, France

Analog Dialogue (USA) – (ANDIDX)
Analog Dialogue P.O. Box 280, Norwood, MA 02062, USA

Angew. Inf. (Germany) – (AWIFA7)
Angewandte Informatik (Applied Informatics) Formerly: *Elektron. Datenverarb. (Germany)* Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, 6200 Wiesbaden, Gustav-Stresemann-Ring 12-16, Germany

Ann. Acad. Sci. Fenn. Ser. AI (Finland) – (AAFMAT)
Annales Academiae Scientiarum Fennicae, Series AI (Mathematica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Acad. Sci. Fenn. Ser. AII (Finland) – (AAFCAX)
Annales Academiae Scientiarum Fennicae, Series AII (Chemica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Acad. Sci. Fenn. Ser. AVI (Finland) – (AAFPA4)
Annales Academiae Scientiarum Fennicae, Series AVI (Physica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Biomed. Eng. (USA) – (ABMECF)
Annals of Biomedical Engineering Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ann. Geofis. (Italy) – (AGFRAI)
Annali di Geofisica Istituto Nazionale di Geofisica, Citta Universitaria, Via Ruggero Bonghi 11/B, 00184 Roma, Italy

Ann. Geophys. (France) – (AGEPA7)
Annales de Geophysique Service des Publications du CNRS, 15 Quai Anatole-France, 75700 Paris, France

Ann. ICRP (GB) – (ANICD6)
Annals of the ICRP Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Ann. Inst. Henri Poincare Sect. A (France) – (AHPAAO)
Annales de l'Institut Henri Poincare, Section A (Physique Theorique) 11 Rue Pierre-Curie, Paris 5, France

Ann. Inst. Henri Poincare Sect. B (France) – (AHPBAR)
Annales de l'Institut Henri Poincare, Section B (Calcul des Probabilities et Statistique) 11 Rue Pierre-Curie, Paris 5, France

Ann. Nucl. Energy (GB) – (ANENDJ)
Annals of Nuclear Energy Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Ann. Phys. (France) – (ANPHAJ)
Annales de Physique Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

Ann. Phys. (Germany) – (ANPYA2)
Annalen der Physik J.A.Barth, Salomonstrasse 18B, Leipzig 701, Germany

Ann. Phys. (USA) – (APNYA6)
Annals of Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ann. Sci. (GB) – (ANNSA8)
Annals of Science Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Ann. Soc. Math. Pol. Ser. IV: Fundam. Inf. (Poland) – (FUMAAJ)
Annales Societatis Mathematicae Polonae, Series IV: Fundamenta Informaticae Osrodek Rozpowszechiania Wydawnictw Naukowych PAN, 00-901 Warszawa, Palac Kultury i Nauki, Poland

Ann. Soc. Sci. Bruxelles Ser. I (Belgium) – (ASSBAH)
Annales de la Societe Scientifique de Bruxelles, Serie I, Sciences Mathematiques, Astronomiques et Physiques Rue de Bruxelles 61, B5000 Namur, Belgium

Ann. Telecommun. (France) – (ANTEAU)
Annales des Telecommunications Centre National d'Etudes des Telecommunications, 38 Rue du General Leclerc, 92131 Issy-Les-Moulineaux, France

Ann. Tokyo Astron. Obs. (Japan) – (ATAOA7)
Annals of the Tokyo Astronomical Observatory University of Tokyo, Mitaka, Tokyo, Japan

Ann. Univ. Turku. Ser. AI (Finland) – (AUTUAP)
Annales Universitatis Turkuensis, Ser AI (Astronomica-Chemica-Physica-Mathematica) Turun Yliopisto, Turku, Finland

Annu. Proc. Assoc. Sci. & Tech. Soc. S. Afr. (S. Africa) – (ATSAAL)
Annual Proceedings of the Associated Scientific and Technical Societies of South Africa Kelvin House, 2 Hollard Street, Johannesburg, South Africa

Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan) – (AFUTAO)
Annual Report of the Engineering Research Institute, Faculty of Engineering, University of Tokyo Tokyo, Japan

Annu. Rep. Inst. Phys. Acad. Sin. (Taiwan) – (RIPSD3)
Annual Report pf the Institute of Physics Academia Sinica Institute of Physics, Academia Sinica, Nankang, Taipei, Taiwan, Republic of China

Annu. Rep. Res. React. Inst. Kyoto Univ. (Japan) – (KURAAV)
Annual Reports of the Research Reactor Institute Kyoto University Osaka, Japan

Annu. Rev. Autom. Program. (GB) – (ARVAAM)
Annual Review in Automatic Programming Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Annu. Univ. Sofia Fac. Phys. (Bulgaria) – (SUFGA9)
Annuaire de l'Universite de Sofia Faculte de Physique Sofiya, Bulgaria

Anritsu Tech. Bull. (Japan) – (ANTKAE)
Anritsu Technical Bulletin Anritsu Electric Co. Ltd., 12-20, 4 chome, Minami-Azabu, Minato-ku, Tokyo, Japan

Antenna (Italy) – (ANTNBO)
L'Antenna Via Monte Generoso 6/a, 20155 Milano, Italy

APE Eng. (GB) – (APEEA3)
APE Engineering Amalgated Power Engineering Ltd., P.O. Box 43, Bedford MK40 4JB, England

APL Tech. Dig. (USA) – (APLDAZ)
APL Technical Digest Applied Physics Laboratory, John Hopkins University, John Hopkins Road, Laurel, MD 20810, USA

Apl. Mat. (Czechoslovakia) – (APMTAK)
Aplikace Matematiky Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Appl. Acoust. (GB) – (AACOBL)
Applied Acoustics Applied Science Publishers, Ripple Road, Barking, Essex, England
Appl. Anal. (GB) – (APANCC)
Applicable Analysis Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
Appl. Energy (GB) – (APENDX)
Applied Energy Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England
Appl. Ergonomics (GB) – (AERGBW)
Applied Ergonomics IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
Appl. Math. & Mech. (USA) – (AMMCBH)
Applied Mathematics and Mechanics [Translation of: *Prikl. Mat. & Mekh. (USSR)*] Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA
Appl. Math. & Optimiz. (USA) – (AMOMBN)
Applied Mathematics and Optimization Springer-Verlag Inc. New York, 175 Fifth Avenue, New York, NY 10010, USA
Appl. Math. Modelling (GB)
Applied Mathematical Modelling IPC Science and Technology Press Ltd., Westbury House, P.O. Box 63, Bury Street, Guildford, Surrey GU2 5AW, England
Appl. Opt. (USA) – (APOPAI)
Applied Optics Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Appl. Phys. (Germany) – (APHYCC)
Applied Physics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
Appl. Phys. Lett. (USA) – (APPLAB)
Applied Physics Letters American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Appl. Sci. Res. (Netherlands) – (ASRHAU)
Applied Scientific Research Martinus Nijhoff, Lange Voorhout 9, Den Haag, Netherlands
Appl. Sol. Energy (USA) – (ASOEA6)
Applied Solar Energy [Translation of: *Geliotekhnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
Appl. Spectrosc. (USA) – (APSPA4)
Applied Spectroscopy 428 East Preston Street, Baltimore, MD 21202, USA
Appl. Spectrosc. Rev. (USA) – (APSRBB)
Applied Spectroscopy Reviews Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
Appl. Stat. (GB) – (APSTAG)
Applied Statistics (Journal of the Royal Statistical Society Series C) Royal Statistical Society, 25 Enford Street, London, W1H 2BH, England
Appl. Surf. Sci. (Netherlands) – (ASUUDD)
Applications of Surface Science North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Arch. Acoust. (Poland) – (AACODN)
Archives of Acoustics Polish Academy of Sciences, Palac Kultury i Nauki, 00-901 Warszawa, Poland
Arch. Autom. & Telemech. (Poland) – (AATMAV)
Archiwum Automatyki i Telemechanika Polska Akademia Nauk, Editorial address, 00-818 Warszawa, ul. Krajowej Rady Naradowej 55, Poland
Arch. Eisenbahntech. (Germany) – (AEBTAO)
Archiv fur Eisenbahntechnik Hestra-Verlag, 61 Darmstadt, Holzhofallee 33,, Germany
Arch. Eisenhuettenwes. (Germany) – (AREIAT)
Archiv fur das Eisenhuttenwesen Verlag Stahleisen mgH, 4 Dusseldorf 1, Postfach 8229, Germany
Arch. Elektron. & Uebertragungstech. (Germany) – (AEUTAH)
Archiv fur Elektronik und Übertragungstechnik (Electronics and Communication) S. Hirzel Verlag, D-7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany
Arch. Elektrotech. (Germany) – (AELTA6)
Archiv fur Elektrotechnik Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
Arch. Elektrotech. (Poland) – (ARELA4)
Archiwum Elektrotechniki Polska Akademia Nauk, Editorial address: 00-662 Warszawa, Ul. Koszykowa 75, Poland
Arch. Hutn. (Poland) – (AHUTA4)
Archiwum Hutnictwa Export-Import Enterprise 'Ruch', ul. Wilcza 46, Warszawa 1, Poland
Arch. Math. Logik & Grundlagenforsch. (Germany) – (AMLGAN)
Archiv fur Mathematische Logik und Grundlagenforschung Verlag W. Kohlhammer GmbH, Hessbruhlstrasse 69, Postfach 800 430, 7000 Stuttgart 80 (Vaihingen), Germany
Arch. Mech. (Poland) – (AMESAO)
Archives of Mechanics (Archiwum Mechaniki Stosowanej) Polish Scientific Publishers, Swietokrzyska 21, Warszawa, Poland
Arch. Post- & Fernmeldewes. (Germany)
Archiv fur das Post - und Fernmeldewesen Bundesministerium fur das Post- und Fernmeldewesen, Adenauerallee 81, 5300 Bonn 1, Germany
Arch. Ration. Mech. & Anal. (Germany) – (AVRMAW)
Archive for Rational Mechanics and Analysis Springer-Verlag, D1000 Berlin 33, Heidelberger Platz 3, Germany
Arch. Sci. (Switzerland) – (ASGVAH)
Archives des Sciences Societe de Physique et d'Histoire Naturelle de Geneve. Subscription address: Librairie Payot, 6 Rue Grenus, 1211 Geveva 11, Switzerland
Archaeoastronomy (GB)
Archaeoastronomy Issued with: *J. Hist. Astron. (GB)*
Archaeometry (GB) – (ARCHAG)
Archaeometry Research Laboratory for Archaeology and the History of Art, Oxford University, 6 Keble Road, Oxford OX1 3QJ, England
Ark. Fys. Semin. Trondheim (Norway) – (AFYTAA)
Arkiv for det Fysiske Seminar i Trondheim c/o Institutt for Teoretisk Fysikk, Universitetet i Trondheim, NTH, N-7034 Trondheim, Norway
Ark. Mat. (Sweden) – (AKMTAJ)
Arkiv for Matematik Institut Mittag-Leffler, Auravagen 17, S-182 62 Djursholm, Sweden
Artif. Intell. (Netherlands) – (AINTBB)
Artificial Intelligence North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
ASEA J. (Sweden) – (ASEJA5)
ASEA Journal Allmanna Svenska Elektriska AB, S-721 83 Vasteras, Sweden
ASLE Trans. (USA) – (ASLTA2)
ASLE Transactions American Society of Lubrication Engineers, 838 Busse Highway, Park Ridge, IL 60068, USA
ASLIB Proc. (GB) – (ASLPAO)
ASLIB Proceedings 3 Belgrave square, London, SW1X 8PL, England
Assoc. Lit. & Linguist. Comput. Bull. (GB) – (ALLCB5)
Association for Literary and Linguistic Computing Bulletin Secretary, Literary and Linguistic Computing Centre, Sidgwick Site, Cambridge CB3 9DA, Wales
ASTM Stand. News (USA) – (STDNAD)
ASTM Standardization News American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA
Astrofizika (USSR) – (ASTKBG)
Astrofizika Academy of the Armenian SSR, Erevan, USSR [English translation in: *Astrophysics (USA)*]
Astrometriya & Astrofiz. (USSR) – (AAFZBZ)
Astrometriya i Astrofizika Izdatel'stvo 'Naukova Dumka' 252601 Kiev, GSP, Repina 3, USSR
Astron. & Astrophys. (Germany) – (AAEJAF)
Astronomy and Astrophysics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
Astron. & Astrophys. Suppl. Ser. (Switzerland) – (AAESB9)
Astronomy and Astrophysics Supplement Series Institut d'Astronomie de l'Universite de Lausanne et Observatoire de Geneve, CH-1290 Sauverny, Switzerland
Astron. & Space (GB) – (AYSPBY)
Astronomy & Space Bratton Publishing Ltd., 17 Rutland Street, Edinburgh, EH1 2AQ, Scotland
Astron. J. (USA) – (ANJOAA)
Astronomical Journal Published for the American Astronomical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Astron. Nachr. (Germany) – (ASNAAN)
Astronomische Nachrichten Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany
Astron. Tidsskr. (Sweden) – (ANTKBF)
Astronomisk Tidsskrift Editorial address: Institutionen for Astronomi, 222 24 Lund, Sweden
Astron. Vestn. (USSR) – (ASVEA7)
Astronomicheskii Vestnik ab/yasht 918, Moskva, K-9, USSR [English translation in: *Sol. Syst. Res. (USA)*]
Astron. Zh. (USSR) – (ASZHA2)
Astronomicheskii Zhurnal Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. (USA)*]
Astronomy (USA) – (ASTRD5)
Astronomy Astro Media Corp., 411 E. Mason Street, 6th Floor, Milwaukee, WI 53202, USA
Astrophys. & Space Sci. (Netherlands) – (APSSBE)
Astrophysics and Space Science D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands
Astrophys. J. (USA) – (ASJOAB)
Astrophysical Journal University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA
Astrophys. J. Lett. Ed. (USA) – (AJLEAU)
Astrophysical Journal. Letters to the Editor University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA
Astrophys. J. Suppl. (USA) – (APJSA2)
Astrophysical Journal Supplement University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA
Astrophys. Lett. (GB) – (ASTLAI)
Astrophysical Letters Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
Astrophysics (USA) – (ATPYAA)
Astrofizika (USSR) [Translation of: *Astrofizika (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
At. & Strom (Germany) – (ATSTAA)
Atom und Strom Vereinigung Deutscher Elektrizitatswerke, Verlags-u. Wirtschaftsgesellschaft der Elektrizitatswerke, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany
At. Absorpt. Newsl. (USA) – (AABNAC)
Atomic Absorption Newsletter Perkin Elmer Corp., Main Avenue, Norwalk, CT 06856, USA
At. Data & Nucl. Data Tables (USA) – (ADNDAT)
Atomic Data and Nuclear Data Tables Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
At. Energ. (USSR) – (AENGAB)
Atomnaya Energiya Akademiya Nauk SSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Sov. At. Energy (USA)*]
At. Energy Aust. (Australia) – (AEAUAM)
Atomic Energy in Australia Australian Atomic Energy Commission, Post Office, Coogee, N.S.W. 2034, Australia
At. Energy Rev. (Austria) – (AERVA8)
Atomic Energy Review International Atomic Energy, Karntner Ring 11, P.O. Box 590, A-1011 Vienna, Austria
Atmos. Environ. (GB) – (ATENBP)
Atmospheric Environment Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Atmos. Technol. (USA) – (ATTED7)
Atmospheric Technology National Center for Atmospheric Research, Post Office Box 3000, Boulder, CO 80303, USA
Atom (GB) – (ATMMAR)
Atom United Kingdom Atomic Energy Authority, 11 Charles II Street, London, SW1Y 4QP, England
Atomkernenergie (Germany) – (ATKEAR)
Atomkernenergie Title changed to: *Atomkernerneg. Kerntech. (Germany)*
Atomkernerneg. Kerntech. (Germany) – (ATKEDU)
Atomkernenergie Kerntechnik Formerly: *Atomkernenergie (Germany)* Verlag Karl Thiemig AG, Pilgersheimerstrasse 38, Postfach 900740, D-8000 Munchen 90, Germany
Atomwirtsch.-Atomtech. (Germany) – (AWAKAG)
Atomwirtschaft-Atomtechnik Handelsblatt GmbH, 4 Dusseldorf 1, Kreuzstrasse 21, Postfach 1102, Germany
Atti Accad. Ligure Sci. & Lett. (Italy) – (AALGA7)
Atti della Accademia Ligure di Scienze e Lettere Palazzo Reale, Via Balbi 10, 16126 Genova, Italy
Atti Accad. Naz. Lincei, Rend. Cl. Sci. Fis. Mat. & Nat. (Italy) – (AANLAW)
Atti della Accademia Nazionale dei Lincei. Rendiconti, Classe di Scienze Fisiche, Matematiche e Naturali Via della Lungara 10, 000165 Roma, Italy

Atti Accad. Sci. Torino I (Italy) – (AATFAA)
Atti della Accademia delle Scienze di Torino. I. Classe di Scienze Fisiche, Mathematiche e Naturali Via Accademia delle Scienze 6, Via Maria Vittoria 3, Torino (208), Italy

Atti Fond. Giorgio Ronchi (Italy) – (AFDGA2)
Atti della Fondazione Giorgio Ronchi Largo Enrico Fermi 1, 50125 Arcetri-Firenze, Italy

Atti Semin. Mat. & Fis. Univ. Modena (Italy) – (ASMMAK)
Atti del Seminario Matematico e Fisico dell' Universita di Modena Modena, Italy

Atti Soc. Peloritana Sci. Fis. Mat. & Nat. (Italy) – (ASPSAJ)
Atti della Societa Peloritana di Scienze Fisiche Mathematiche e Naturali Universita di Messina, Messina, Italy

Audio Scene Can. (Canada) – (AUSCC2)
Audio Scene Canada Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Aust. Comput. J. (Australia) – (ACMJB2)
Australian Computer Journal Australian Trade Publications, 28 Chippen Street, Chippendale, N.S.W. 2008, Australia

Aust. Electron. Eng. (Australia) – (AUEEB5)
Australian Electronics Engineering Thomson Publications (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

Aust. Geomech. J. (Australia) – (AUGJBU)
Australian Geomechanics Journal Institution of Engineers, Australia, Science House, Gloucester & Essex Streets, Sydney, N.S.W. 2000, Australia

Aust. J. Instrum. & Control (Australia) – (AJICA9)
Australian Journal of Instrumentation and Control Research Publications Pty. Ltd., 418 Canterbury Road, Surrey Hills 3127, Victoria, Australia

Aust. J. Phys. (Australia) – (AUJPAS)
Australian Journal of Physics CSIRO, 314 Albert Street, East Melbourne, Victoria 3002, Australia

Aust. J. Phys. Astrophys. Suppl. (Australia) – (AJPAB5)
Australian Journal of Physics, Astrophysical Supplement CSIRO, 314 Albert Street, East Melbourne, Victoria 3002, Australia

Aust. Telecommun. Res. (Australia) – (ATRABH)
Australian Telecommunication Research Telecommunication Society of Australia, Box 4050, G.P.O., Melbourne, Victoria 3001, Australia

Australas. Phys. Sci. Med. (Australia)
Australasian Physical Sciences in Medicine Unit of Physical Sciences, Cancer Institute, 481 Little Lonsdale Street, Melbourne, Victoria 3000, Australia

Auto-Volt Electrauto (France)
Auto-Volt Electrauto 49 rue de Maubeuge, 75009 Paris, France

Autom. & Control (New Zealand) – (AUCODR)
Automation and Control Associated Group Media Ltd., Certified Concrete Building, Madeira Place, Auckland 1, New Zealand

Autom. & Inf. Ind. (France) – (AQIIA8)
Automatique & Informatique Industrielles Societe des Editions Radio, 9 Rue Jacob, 75006 Paris, France

Autom. & Remote Control (USA) – (AURCAT)
Automation and Remote Control [Translation of: *Avtom. & Telemekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Autom. & Strum. (Italy) – (ATSZAS)
Automazione e Strumentazione Associazione Nazionale Italiana per l'Automazione, Via Le Premuda 2, 21029 Milano, Italy

Autom. Act. Health Sci. Libr. (USA) – (LARLD6)
Automated Activities in Health Sciences Libraries LARC Association, P.O. Box 27235, Tempe, AZ 85282, USA

Autom. Control & Comput. Sci. (USA) – (ACCSCE)
Automatic Control and Computer Sciences [Translation of: *Avtom. & Vychisl. Tekh. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Autom. Control Theory & Appl. (Canada) – (ACTACB)
Automatic Control Theory and Applications Acta Press, P.O. Box 3243, Postal Station B, Calgary, Alberta T2M 4L8, Canada

Autom. Data Process. Inf. Bull. (Belgium) – (ADPBD2)
Automatic Data Processing Information Bulletin International Social Security Association, Data processing Consultative Service, Boulevard de l'Empereur 7, B-1000 Brussels, Belgium

Autom. Mach. (USA) – (AUMAAW)
Automatic Machining Screw Machine Publishing Co. Inc., 65 Broad Street, Rochester, NY 14614, USA

Autom. Monit. & Meas. (GB) – (AUMMC2)
Automatic Monitoring and Measuring [Translation of: *Avtometriya (USSR)*] Scientific Information Consultants Ltd., 661 Finchley Road, London NW2 2HN, England

Autom. Syst. Rizeni (Czechoslovakia) – (ASRID2)
Automatizovane Systemy Rizeni - Bulletin INORGA INORGA, Letenska 17, 118 08 Praha 1, Czechoslovakia

Autom. Weld. (GB) – (AUWEAQ)
Automatic Welding [Translation of: *Avtom. Svarka (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England

Automatica (GB) – (ATCAA9)
Automatica Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Automatie (Netherlands) – (AUTOA7)
Automatie Breedenbroekseweg 8A, Voorst bij Gendringen, Amsterdam, Netherlands

Automatika (Yugoslavia) – (ATKAAF)
Automatika Zagreb, Unska Ulica br.17, Postanski Pretinac 123, Yugoslavia

Automation (GB) – (ATMNBV)
Automation E.D. Publications Ltd., 120 Wigmore Street, London, W1H OAS, England

Automatisme (France) – (AUMTAL)
Automatisme Title changed to: *Nouv. Autom. (France)*

Automatizace (Czechoslovakia) – (AUTMAZ)
Automatizace SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Automedica (GB) – (AUMDC9)
Automedica Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Automot. Eng. (USA) – (AUEGBB)
Automotive Engineering Society of Automotive Engineers Inc., 400 Commonwealth Drive, Warrendale, PA 15096, USA

AV Commun. Rev. (USA) – (AVCRD9)
AV Communication Review Title changed to: *ECTJ (USA)*

Avh. Nor. Vidensk.-Akad. Oslo I (Norway) – (AUNVAW)
Avhandlingar utgitt av det Norske Videnskaps-Akademi i Oslo, I. Mathematisk-Naturvidenskaplige Klasse Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway

Aviat. Rev. (GB) – (AVRVBQ)
Aviation Review Smiths Industries Ltd., Aviation Division, Cricklewood, London NW2 6JN, England

Avtom. & Telemekh. (USSR) – (AVTEAI)
Avtomatika i Telemekhanika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Autom. & Remote Control (USA)*]

Avtom. & Vychisl. Tekh. (USSR) – (AVYTAK)
Avtomatika i Vychislitel'naya Tekhnika Academy of Sciences of Latvian SSR, Riga, USSR [English translation in: *Autom. Control & Comput. Sci. (USA)*]

Avtom. Svarka (USSR) – (AVSVAU)
Avtomaticheskaya Svarka Ukrainian SSR Academy of Sciences, Arc Welding Institute, Kiev, USSR [English translation in: *Autom. Weld. (GB)*]

Avtom. Telemekh. & Svyaz (USSR) – (ATSVAG)
Avtomatika, Telemekhanika, Svyaz' Editorial address: 107078, Moskva, B-78, Krasnovorotskii Proezd, D. 3B, USSR

Avtomatika (USSR) – (AVTMA8)
Avtomatika Institution of Cybernetics, 102 Brest-Litovskii Prosp., Kiev 57, USSR [English translation in: *Sov. Autom. Control (USA)*]

Avtometriya (USSR) – (AVMEBI)
Avtometriya Izdatel'stvo Nauka, Sibirskoe Otdelenie, 630099, Novosibirsk 99, Sovetskaya 18, USSR [English translation in: *Autom. Monit. & Meas. (GB)*]

AWA Tech. Rev. (Australia) – (AWARA3)
AWA Technical Review AWA Research Laboratories, 422 Lane Cove Road, North Ryde, N.S.W, Australia

Bangladesh J. Sci. & Ind. Res. – (BJSIBL)
Bangladesh Journal of Scientific and Industrial Research Bangladesh Council of Scientific and Industrial Research, Dacca, Bangladesh

Bauelem. Elektrotech. (Germany) – (BEETAG)
Bauelemente der Elektrotechnik Title changed to: *Elektron. Entwickl. (Germany)*

BBC Eng. (GB) – (BBEGBP)
BBC Engineering British Broadcasting Corporation Publications, 35 Marylebone High Street, London, W1M 4AA, England

BBC Nachr. (Germany) – (BBCNAZ)
BBC Nachrichten Brown Boveri & Cie, Aktiengesellschaft, 6800 Mannheim 1, Postfach 351, Germany

Beck Isoliertech. (Germany) – (BITKAO)
Beck Isoliertechnik Beck Elektro-Isoliersysteme, 200 Hamburg 28, Postfach 280 180, Grossmannstrasse 105, Germany

Behav. Res. Methods & Instrum. (USA) – (BRMIAC)
Behavior Research Methods and Instrumentation Psychonomic Society Inc., 1108 West 34th Street, Austin, TX 78705, USA

Behav. Sci. (USA) – (BEHSAS)
Behavioral Science Systems Science Publications, University of Louisville, Louisville, KY 40208, USA

Beitr. Plasma Phys. (Germany) – (BPPHAA)
Beitrage aus der Plasma Physik Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany

Belgelectro-Export (Belgium) – (BEEXAS)
Belgelectro-Export 21 rue des Drapiers, 1050 Bruxelles, Belgium

Bell J. Econ. (USA) – (BJECD3)
Bell Journal of Economics Formerly: *Bell J. Econ. & Manage. Sci. (USA)* American Telephone and Telegraph Co., 195 Broadway, Room C 1800, New York, NY 10007, USA

Bell Lab. Rec. (USA) – (BLRCAB)
Bell Laboratories Record Bell Telephone Laboratories, Mountain Avenue, Murray Hill, NJ 07974, USA

Bell Syst. Tech. J. (USA) – (BSTJAN)
Bell System Technical Journal American Telephone and Telegraph Co., 600 Mountain Avenue, Murray Hill, NJ 07974, USA

Ber. Bunsenges. Phys. Chem. (Germany) – (BBPCAX)
Berichte der Bunsengesellschaft fur Physikalische Chemie Verlag Chemie, 694 Weinheim/Bergstrasse, Postfach 1260/1280, Germany

Ber. Dtsch. Keram. Ges. (Germany) – (BDKGAY)
Berichte der Deutschen Keramischen Gesellschaft Postfach 1226, Menzenberger Strasse 47, D-5340 Bad Honnef 1, Germany

Berg- & Huettenmaenn. Monatsh. (Austria) – (BHMMAM)
Berg- und Huttenmannische Monatshefte Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

Biofeedback & Self-Regul. (USA) – (BSELDP)
Biofeedback and Self-Regulation Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Biofizika (USSR) – (BIOFAI)
Biofizika Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Biophysics (GB)*]

Biol. Cybern. (Germany) – (BICYAF)
Biological Cybernetics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Biomater. Med. Devices & Artif. Organs (USA) – (BMDOAI)
Biomaterials, Medical Devices, and Artificial Organs Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Biomed. Eng. (USA) – (BIOEAF)
Biomedical Engineering [Translation of: *Med. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Biomed. Tech. (Germany) – (BMZTA7)
Biomedizinische Technik (Biomedical Engineering) Fachverlag Schiele & Schon GmbH, D-1000 Berlin 61, Markgrafenstrasse 11, Germany. Georg Thieme Verlag, 7 Stuttgart 1, Postfach 732, Herdweg 63, Germany

Biometrika (GB) – (BIOKAX)
Biometrika Biometrika Trust, Biometrika Office, University College London, Gower Street, London, WC1E 6BT, England

Bionika (USSR) – (BNKABJ)
Bionika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Biophys. J. (USA) – (BIOJAU)
Biophysical Journal Rockefeller University Press, 1230 York Avenue, New York, NY 10021, USA

Biophys. Struct. & Mech. (Germany) – (BSMHBH)
Biophysics of Structure and Mechanism Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Biophysics (GB) – (BIOPAE)
Biophysics [Translation of: *Biofizika (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Biorheology (GB) – (BRHLAU)
Biorheology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Biotelem. & Patient Monit. (Switzerland) – (BPMODJ)
Biotelemetry and Patient Monitoring Formerly: *Biotelemetry (Switzerland)* S. Karger AG, Arnold-Bocklin-Strasse 25, CH-4011 Basel, Switzerland

Biotelemetry (Switzerland) – (BTMYA6)
Biotelemetry Title changed to: *Biotelem. & Patient Monit. (Switzerland)*

BIT (Sweden) – (NBITAB)
BIT (Nordisk Tidskrift for Informationsbehandling) Institutionen for Informationsbehandling, Lunds Universitet, Solvegatan 14A, S-22362 Lund, Sweden

Biul. Inst. Energ. (Poland) – (BIEGA5)
Biuletyn Institutu Energetyki Issued with: *Energetyka (Poland)*

BKSTS J. (GB) – (BKSTBR)
BKSTS Journal British Kinematography Sound and Television Society, 110/112 Victoria House, Vernon Place, London, WC1B 3DJ, England

BLL Rev. (GB) – (BLLRAQ)
BLL Review Title changed to: *Interlending Rev. (GB)*

BMR J. Aust. Geol. & Geophys. (Australia) – (BJAGDT)
BMR Journal of Australian Geology & Geophysics Bureau of Mineral Resources, Geology & Geophysics, P.O. Box 378, Canberra, A.C.T. 2601, Australia

BOCAAD (Bull. Comput. Aided Archit. Des.) (GB) – (BBCDD8)
BOCAAD (Bulletin of Computer Aided Architectural Design) Editorial address: ABACUS, Department of Architecture and Building Science, University of Strathclyde, 131 Rottenrow, Glasgow G4 0NG, Scotland

Bol. Fac. Ing. & Agrimensura Montevideo (Uruguay) – (BFIAAK)
Boletin de la Facultad de Ingenieria y Agrimensura de Montevideo Title changed to: *Bol. Fac. Ing. Univ. Repub. (Uruguay)*

Bol. Fac. Ing. Univ. Repub. (Uruguay) – (BFIRD6)
Boletin de la Facultad de Ingeneria Universidad de la Republica Formerly: *Bol. Fac. Ing. & Agrimensura Montevideo (Uruguay)* Av. Julio Herrera y Reissig 565, Montevideo, Uruguay

Bol. Inst. Tonantzintla (Mexico) – (BITOD5)
Boletin del Instituto de Tonantzintla Instituto Nacional de Astrofisica, Optica y Electronica, Apartados Postales Nos. 216 y 51, Puebla, Pue, Mexico

Boll. Geofis. Teor. & Appl. (Italy) – (BGTAAE)
Bollettino di Geofisica Teorica ed Applicada Osservatorio Geofisico Sperimentale, 34123 Trieste, Italy

Boundary-Layer Meteorol. (Netherlands) – (BLMEBR)
Boundary-Layer Meteorology D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

Br. Corros. J. (GB) – (BCRJA3)
British Corrosion Journal Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Br. J. Hist. Sci. (GB) – (BJHSAT)
British Journal for the History of Science British Society for the History of Science, 47 Belgrave Square, London, SW1 8QX, England

Br. J. Non-Destr. Test. (GB) – (BJNTAS)
British Journal of Non-Destructive Testing British Institute of Non-Destructive Testing, 1 Spencer Parade, Northampton NN1 5AA, England

Br. J. Philos. Sci.(GB) – (BJPIA5)
British Journal for the Philosophy of Science Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

Br. J. Photogr. (GB) – (BRJFAM)
British Journal of Photography Henry Greenwood & Co., 24 Wellington Street, London, WC2E 7DH, England

Br. J. Radiol. (GB) – (BJRAAP)
British Journal of Radiology British Institute of Radiology, 32 Welbeck Street, London, W1M 7PG, England

Br. Polym. J. (GB) – (BPOJAB)
British Polymer Journal Society of Chemical Industry, 14 Belgrave Square, London, SW1, England

Brennst.-Waerme-Kraft (BWK) (Germany) – (BRWKAY)
BWK. Brennstoff-Warme-Kraft VDI-Verlag, Postfach 1139, 4 Dusseldorf 1, Germany

Broadcast Equip. Today (Canada) – (BETODB)
Broadcast Equipment Today Diversified Publications Ltd., Box 423, Station J, Toronto, Ontario M4J 4Y8, Canada

Broadcast. Syst. & Oper. (GB) – (BSOPDJ)
Broadcasting Systems & Operation B.S.O. Publications Ltd., P.O. Box 1, Wivenhoe, Colchester CO7 9EA, England

Brown Boveri Rev. (Switzerland) – (BRBOA9)
Brown Boveri Review Brown Boveri, CH-5401 Baden, Switzerland

Bruel & Kjaer Tech. Rev. (Denmark) – (BKTRAP)
Bruel and Kjaer Technical Review Bruel & Kjaer, DK-2850 Naerum, Denmark

Budavox Telecommun. Rev. (Hungary) – (BUTRAR)
Budavox Telecommunication Review Budavox Telecommunication Foreign Trading Co. Ltd., H-1392 Budapest, P.O. Box 267, Hungary

Buerotechnik (Germany) – (BUERDN)
Burotechnik FBO-Fachverlag fur Buro- und Organisationstecnhik Goller GmbH, Postfach 316, Hermannstrasse 2, D-7570 Baden-Baden, Germany

Build. Serv. & Environ. Eng. (GB) – (BSENDV)
Building Services & Environmental Engineer Batiste Publications Ltd., Pembroke House, Campsbourne Road, Hornsey, London N8, England

Build. Serv. Eng. (GB) – (BSVEAI)
Building Services Engineer Formerly: *IHVE J. (GB)* Institution of Heating and Ventilating Engineers, 49 Cadogan Square, London, SW1X OJB, England. Journal merged with Light & Light. & Environ. Des. (GB) to form J. Chart. Inst. Build. Serv. (GB)

Building (GB) – (BULDBE)
Building Building (Publishers) Ltd., Builder House, P.O. Box 87, 1-3 Pemberton Row, Red Lion Court, Fleet Street, London EC4p 4HL, England

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim.-Metal. (Rumania) – (BPGCDL)
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Chimie-Metalurgie Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania) – (BIGBAY)
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti Calea Grivitei 132, Bucuresti, Rumania. Journal split into three series, Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim. - Metal., Ser. Electroteh. and Ser. Mec. (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Mec. (Rumania) – (BPGMDH)
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Mecanica Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Electroteh. (Rumania) – (BIPEDN)
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Electrotehnica Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania

Bul. Inst. Politeh. Iasi Sect. III (Rumania) – (BUPIAE)
Buletinul Institutului Politehnic din Iasi. Sectia III Electrotehnica, Electronica, Automatizari Institutul Politehnic Iasi, Iasi, Rumania

Bul. Inst. Politeh. Iasi. Sect. I (Rumania) – (BMTFA3)
Buletinul Institutului Politehnic din Iasi. Sectia I Matematica, Mecanica, Teoretica, Fizica Polytechnic Institute, Iasi, Rumania

Bul. Inst. Stud. & Proiect. Energ. (Rumania) – (ISPBAM)
Buletinul Institutului de Studii si Proiectari Energetice Institutului de Studii si Projectari Energetice, Bucuresti, Bd. Lacul Tei nr 1, Sectorul II, Rumania

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara (Rumania) – (BSPTAX)
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara (Rumania) Timisoara, Rumania

Bulg. J. Phys. (Bulgaria) – (BJPHD5)
Bulgarian Journal of Physics Bulgarian Academy of Sciences, Faculty of Physics, 5 Anton Ivanov Blvd., 1126 Sofia, Bulgaria

Bull. Acad. Pol. Sci. Ser. Sci. Math. Astron. & Phys. (Poland) – (BAPMAM)
Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Mathematiques, Astronomiques et Physiques Title changed to: *Bull. Acad. Pol. Sci. Ser. Sci. Phys. & Astron. (Poland)*

Bull. Acad. Pol. Sci. Ser. Sci. Phys. & Astron. (Poland)
Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Physiques et Astronomiques Formerly: *Bull. Acad. Pol. Sci. Ser. Sci. Math. Astron. & Phys. (Poland)* Polska Akademia Nauk, 00-091 Warszawa, Palac Kultury i Nauki, P.O.Box 20, Poland

Bull. Acad. Pol. Sci. Ser. Sci. Tech. (Poland) – (BAPTA9)
Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Techniques 00-901 Warszawa, Palac Kultury i Nauki, P.O. Box 20, Poland

Bull. Acad. Sci. USSR, Phys. Ser. (USA) – (BUPSAA)
Bulletin of the Academy of Sciences of the USSR, Physical Series [Translation of: *Izv. Akad. Nauk SSSR Ser. Fiz.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Bull. Acad. Serbe Sci. & Arts Cl. Sci. Tech. (Yugoslavia) – (BASTDR)
Bulletin de l'Academie Serbe des Sciences et des Arts, Classe des Sciences Techniques 35 Knez-Mihailova, 11000 Beograd, Yugoslavia

Bull. Am. Astron. Soc. (USA) – (AASBAR)
Bulletin of the American Astronomical Society American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Bull. Am. Meteorol. Soc. (USA) – (BAMIAT)
Bulletin of the American Meteorological Society 45 Beacon Street, Boston, MA 02108, USA

Bull. Assoc. Suisse Electr. (Switzerland) – (BUSEAH)
Bulletin de l'Association Suisse des Electriciens (Organe Commun de l'Association Suisse des Electriciens (ASE) et de l'Union des Centrales Suisses d'Electricite (UCS)) Seefeldstrasse 301, Case Postale 229, 8008 Zurich, Switzerland

Bull. Astron. Inst. Czech. (Czechoslovakia) – (CABCAZ)
Bulletin of the Astronomical Institutes of Czechoslovakia Academia, Publishing House of Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Bull. Astron. Soc. India – (BANID3)
Bulletin of the Astronomical Society of India Tata Institute of Fundamental Research, Homi Bhabha Road, Bombay 400 005, India

Bull. Aust. Math. Soc. (Australia) – (ALNBAB)
Bulletin of the Australian Mathematical Society University of Queensland Press, St. Lucia, Queensland 4067, Australia

Bull. Br. Soc. Rheol. (GB) – (BBRHAO)
Bulletin British Society of Rheology Properties of Fluids Division, National Engineering Laboratory, East Kilbride, Glasgow, Scotland

Bull. Coll. Sci. Baghdad (Iraq) – (BCOSAF)
Bulletin of the College of Science, Baghdad University of Baghdad, Baghdad, Iraq

Bull. Dir. Etud. & Rech. Ser. A (France) – (EFDNAX)
Bulletin de la Direction des Etudes et Recherches, Serie A Electricite de France, Direction Des Etudes et Recherches, 2, rue Louis Murat, 75008 Paris, France

Bull. Dir. Etud. & Rech. Ser. B (France) – (EFDBAV)
Bulletin de la Direction des Etudes et Recherches, Serie B Electricite de France, Direction des Etudes et Recherches, 2, rue Louis Murat, 75008 Paris, France

Bull. Dir. Etud. & Rech. Ser. C (France) – (EDBCAA)
Bulletin de la Direction des Etudes et Recherche, Serie C Electricite de France, Direction des Etudes et Recherches, 1 Avenue du General de Gaulle, 92140 Clamart, France

Bull. Earthquake Res. Inst. Univ. Tokyo (Japan) – (TDJKAZ)
Bulletin of the Earthquake Research Institute, University of Tokyo 1-1 Yayoi 1-chome, Bunkyo-ku, Tokyo, Japan

Bull. EGU (Czechoslovakia) – (BEGUBU)
Bulletin EGU Vyzkumny Ustav Energeticky, Partyzanska 7a, Praha 7 - Holesovice, Czechoslovakia

Bull. Electrotech. Lab. (Japan) – (DESIA7)
Bulletin of the Electrotechnical Laboratory 2-6 Nagata-cho, Chiyoda-ku, Tokyo, Japan

Bull. Fac. Eng. Hiroshima Univ. (Japan) – (HIDKAA)
Bulletin of the Faculty of Engineering Hiroshima University Hiroshima, Japan

Bull. Fac. Eng. Ibaraki Univ. (Japan) – (IDKGA9)
Bulletin of the Faculty of Engineering, Ibaraki University Ibaraki, Japan

Bull. Fac. Eng. Tokushima Univ. (Japan) – (BFETAN)
Bulletin of Faculty of Engineering, Tokushima University Minami-Josanjima-cho, Tokushima, Japan

Bull. Fac. Eng. Yokohama Natl. Univ. (Japan) – (BFEYA4)
Bulletin of the Faculty of Engineering of Yokohama National University Ohka-machi, Minami-ku, Yokohama, Japan

Bull. Geod. (France) – (BGDQAG)
Bulletin Geodesique Bureau Central de l'Association Internationale de Geodesie, 39 Rue Guy-Lussac, 75005 Paris, France

Bull. Indian Natl. Sci. Acad. – (BIDNAL)
Bulletin of the Indian National Science Academy Bahadur Shar Zafar Marg, New Delhi 1, India

Bull. Inf. Sci. & Tech. (France) – (BUIAAN)
Bulletin d'Informations Scientifiques et Techniques Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

Bull. Inst. Chem. Res. Kyoto Univ. (Japan) – (BICRAS)
Bulletin of the Institute for Chemical Research, Kyoto University Kyoto, Japan

Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo A (Japan) – (TDUHAD)
Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo A Tokyo, Japan

Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo B (Japan) – (TKUHBT)
Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo B Tokyo, Japan

Bull. Int. Sect. ISSA Prev. Occup. Risks Electr. (Germany)
Bulletin of the International Section of the ISSA for the Prevention of Occupational Risks due to Electricity Berufgenossenschaft der Feinmechanik und Elektrotechnik, D-5000 Koln 51, Oberlander Ufer 130, Germany

Bull. Isr. Phys. Soc. (Israel) – (BIPYBD)
Bulletin of the Israel Physical Society Israel Physical Society, c/o Hebrew University, Jerusalem, Israel

Bull. Isr. Soc. Spec. Libr. & Inf. Cent. (Israel) – (ISLBA2)
Bulletin Israel Society of Special Libraries and Information Centres P.O. Box 20125, Tel Aviv, Israel

Bull. Jpn. Soc. Precis. Eng. (Japan) – (BJPEAR)
Bulletin of the Japan Society of Precision Engineering Ceramic Building, 22-17, 2-Chome, Hyakunincho, Shinjuku-ku, Tokyo, Japan

Bull. JSME (Japan) – (BJSEA8)
Bulletin of the Japan Society of Mechanical Engineers Sanshin Hokusei Building, 4-9, Yoyogi 2-Chome, Shibuya-Ku, Tokyo 151, Japan

Bull. Kyushu Inst. Technol. (Sci. & Technol.) (Japan) – (KKDKAN)
Bulletin of the Kyushu Institute of Technology (Science and Technology) Tobata, Japan

Bull. Kyushu Inst. Technol. Math. Nat. Sci. (Japan) – (BKTMAA)
Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science Tobato, Kitakyushu, Japan

Bull. Math. Biol. (GB) – (BMTBAP)
Bulletin of Mathematical Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Bull. Mech. Eng. Lab. (Japan) – (BMEGAX)
Bulletin of Mechanical Engineering Laboratory 12-1 Igusa 4-chome, Suginami-ku, Tokyo, Japan

Bull. Mineral. (France) – (BULMD9)
Bulletin de Mineralogie Formerly: *Bull. Soc. Fr. Mineral. & Crystallogr. (France)* Masson, 120 Boulevard Saint-Germain, 75280 Paris Cedex 06, France

Bull. Nagoya Inst. Technol. (Japan) – (NADGA8)
Bulletin of Nagoya Institute of Technology Nagoya, Japan

Bull. Res. Inst. Appl. Electr. (Japan) – (ODK1AD)
Bulletin of the Research Institute of Applied Electricity The Research Institute of Applied Electricity, Hokkaido University, North 12 Street, West 6 Avenue, Kitaku, Sapporo City, Japan

Bull. Res. Inst. Sci. Meas. Tohoku Univ. (Japan) – (TDKKA6)
Bulletin of the Research Institute for Scientific Measurements, Tohoku University Sendai, Japan

Bull. Res. Lab. Nucl. React. (Japan) – (BRLTD9)
Bulletin of the Research Laboratory for Nuclear Reactors Tokyo Institute of Technology Oh-okayana, Meguro-ku, Tokyo, Japan

Bull. Res. Lab. Precis. Mach. & Electron. (Japan) – (BLPTDL)
Bulletin of Research Laboratory of Precision Machinery and Electronics Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama, Japan

Bull. Sci. Assoc. Ing. Electr. Inst. Electrotech. Montefiore (Belgium) – (BURMA2)
Bulletin Scientifique de l'Association des Ingenieurs Electriciens sortis de l'Institut Electrotechnique Montefiore 31 Rue Saint Gilles, 4000 Liege, Belgium

Bull. Seismol. Soc. Am. (USA) – (BSSAAP)
Bulletin of the Seismological Society of America Seismological Society of America, 2620 Telegraph Avenue, Berkeley, CA 94704, USA

Bull. Soc. Fr. Ceram. (France) – (BFCEA2)
Bulletin de la Societe Francaise de Ceramique Centre National d'Etudes et Recherches Ceramiques, 23 rue de Cronstadt, Paris 15, France

Bull. Soc. Fr. Mineral. & Crystallogr. (France) – (BUFCAE)
Bulletin de la Societe Francaise de Mineralogie et de Cristallographie Title changed to: *Bull. Mineral. (France)*

Bull. Soc. R. Belge Electr. (Belgium) – (BSREAW)
Bulletin de la Societe Royale Belge des Electriciens 1 Place du Trone, 1000 Bruxelles, Belgium

Bull. Soc. R. Sci. Liege (Belgium) – (BSRSA6)
Bulletin de la Societe Royale des Sciences de Liege L'Universite, 15 Avenue des Tilleurs, Liege, Belgium

Bull. Tech. Univ. Istanbul (Turkey) – (ITEKAZ)
Bulletin of the Technical University of Istanbul (Istanbul Teknik Universitesi Bulteni) Taskisla, Istanbul, Turkey

Bull. Tech. Vevey (Switzerland) – (BTVVA8)
Bulletin Technique Vevey Ateliers de Constructions Mecaniques de Vevey SA, Vevey, Switzerland

Bull. Tokyo Gakugei Univ. Ser. IV (Japan) – (TGDSBH)
Bulletin of Tokyo Gakugei University. Series IV (Mathematics and Natural Sciences) 4-1-1 Nukui-kita-machi, Koganei, Tokyo, Japan

Bull. Univ. Osaka Prefect. Ser. A (Japan) – (BSKAAJ)
Bulletin of University of Osaka Prefecture, Series A University of Osaka Prefecture, Mozu, Sakai, Osaka, Japan

Bull. Yamagata Univ. (Eng.) (Japan) – (YDKKAR)
Bulletin of the Yamagata University (Engineering) Yamagata, Japan

Bull. Yamagata Univ. (Nat. Sci.) (Japan) – (BUYUAR)
Bulletin of the Yamagata University (Natural Science) Yamagata, Japan

Burroughs Clearing House (USA) – (BCLHAZ)
Burroughs Clearing House Burroughs Corp., Box 418, Detroit, MI 48232, USA

Bus. Adm. (GB) – (BUSAB6)
Business Administration Title changed to: *Chief Executive Mon. (GB)*

Bus. Syst. & Equip. (GB) – (BSEQA3)
Business Systems and Equipment Maclean-Hunter Ltd., 76 Oxford Street, London, W1, England

BYTE (USA) – (BYTEDJ)
BYTE BYTE Publications Inc., 70 Main Street, Peterborough, NH 03458, USA

Byull. Inst. Teor. Astron. Akad. Nauk SSSR – (BTASAU)
Byulleten' Instituta Teoreticheskoi Astronomii Akademiya Nauk SSSR Leningradskoe Otdelenie Izdatelstva Nauka, Leningrad V-164, Mendeleevskaya Lin. D. 1, USSR

C.R. Acad. Bulg. Sci. (Bulgaria) – (CRABAA)
Comptes Rendus de l'Academie Bulgare des Sciences Sofiya, Bulgaria

C.R. Hebd. Seances Acad. Sci. Ser. A (France) – (CHASAP)
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie A (Science Mathematiques) Centrale des Revues, Dunod/Gauthier-Villars, 70 rue de Saint-Mande, BP 119, 93104 Montreuil Cedex, France

C.R. Hebd. Seances Acad. Sci. Ser. B (France) – (CHDBAN)
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie B (Sciences Physiques) Centrale des Revues, Dunod/Gauthier-Villars, 70 rue de Saint-Mande, BP119, 93104 Montreuil Cedex, France

C.R. Hebd. Seances Acad. Sci. Ser. C (France) – (CHDCAQ)
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie C (Sciences Chimiques) Centrale des Revues, Dunod/Gauthier-Villars, 70 rue de Saint-Mande, BP 119, 93104 Montreuil Cedex, France

CA Mag. (Canada) – (CAMADJ)
CA Magazine Canadian Institute of Chartered Accountants, 250 Bloor Street East, Toronto, M4W 1G5, Canada

Cable Telev. Eng. (GB) – (CTEVB3)
Cable Television Engineering Society of Cable Television Engineers, 10 Avenue Road, Dorridge, Solihull, Warwickshire, England

Cables & Transm. (France) – (CTRAA4)
Cables et Transmission Sotelec, 16 Rue de la Baume, 75008 Paris, France. Merged with Commutat. & Electron. (France) to form Commutat. & Transm. (France)

Cah. Cent. Etud. Rech. Oper. (Belgium) – (CCROAT)
Cahiers du Centre d'Etudes de Recherche Operationelle c/o Institut de Statistique de l'U.L.B., C.P. 210, Boulevard du Triomphe, 1050 Bruxelles, Belgium

Cah. Groupe Fr. Rheol. (France) – (GFRCAO)
Cahiers de Groupe Francais de Rheologie 68, Bd. St-Michel, 75006 Paris, France

Cah. Groupe Trav. (AFCET) (France) – (CGTIDI)
Cahiers du Groupe de Travail (AFCET). Analyse de Experimentation dans les Sciences de l'Homme par les Methodes Informatiques Laboratoire d'Informatique pour les Sciences de l'Homme C.N.R.S., 31 Chemin Joseph-Aiguier, 13274 Marseille - Cedex 2, France

Calcolo (Italy) – (CALOBK)
Calcolo Istituto di Elaborazione della Informazione del CNR, Via S. Maria 46, 56100 Pisa, Italy

California Manage. Rev. (USA) – (CMNRAK)
California Management Review Graduate School of Business Administration, University of California, Berkeley, CA 94720, USA

CALPHAD: Comput. Coupling Phase Diagrams & Thermochem. (GB) – (CCCTD6)
CALPHAD: Computer Coupling of Phase Diagrams and Thermochemistry Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Can. Aeronaut. & Space J. (Canada) – (CSPJAE)
Canadian Aeronautics and Space Journal Canadian Aeronautics and Space Institute, Saxe Building, 60-75 Sparks Street, Ottawa, Ontario K1P 5A5, Canada

Can. Chem. Process. (Canada) – (CCPRAS)
Canadian Chemical Processing Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ontario M3B 2X7, Canada

Can. Controls & Instrum. (Canada) – (CCISAU)
Canadian Controls and Instrumentation Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. Datasyst. (Canada) – (CNDSAE)
Canadian Datasystems Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. Electr. Eng. J. (Canada) – (CEEJDY)
Canadian Electrical Engineering Journal Engineering Institute of Canada, Suite 700, EIC Building, 2050 Mansfield Street, Montreal, Canada

Can. Electron. Eng. (Canada) – (CAEEAM)
Canadian Electronics Engineering Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. J. Chem. (Canada) – (CJCHAG)
Canadian Journal of Chemistry National Research Council of Canada, Ottawa K1A OR6, Canada

Can. J. Chem. Eng. (Canada) – (CJCEA7)
Canadian Journal of Chemical Engineering Canadian Society for Chemical Engineering, 151 Slater Street, Ottawa, Ontario, K1P 5H3, Canada

Can. J. Earth Sci. (Canada) – (CJESAP)
Canadian Journal of Earth Sciences National Research Council of Canada, Ottawa K1A OR6, Canada

Can. J. Inf. Sci. (Canada) – (CJISDE)
Canadian Journal of Information Science Canadian Association of Information Science, Box 158, Terminal A, Ottawa, Ontario, K1N 8V2, Canada

Can. J. Phys. (Canada) – (CJPHAD)
Canadian Journal of Physics National Research Council of Canada, Ottawa K1A OR6, Canada

Can. J. Remote Sensing (Canada) – (CJRSDP)
Canadian Journal of Remote Sensing Canadian Aeronautics and Space Institute, Saxe Building, 60-75 Sparks Street, Ottawa K1P 5A5, Canada

Can. J. Spectrosc. (Canada) – (CJSPAI)
Canadian Journal of Spectroscopy Multiscience Publications Ltd., 1253 McGill College, Suite 175, Montreal, Quebec H3B 2Y5, Canada

Can. Min. J. (Canada) – (CAMJA9)
Canadian Mining Journal National Business Publications Ltd., 310 Victoria Avenue, Montreal, Canada

Carbon (GB) – (CRBNAH)
Carbon Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Cathode Press (USA) – (CTPRAB)
Cathode Press Machlett Labs. Inc., 42 Camp Avenue, Springdale, CT 06879, USA
CEGB Dig. (GB) – (CEGDAN)
CEGB Digest Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England
CEGB Res. (GB) – (CEREDG)
CEGB Research Central Electricity Generating Board, Courtenay House, 18 Warwick Lane, London, EC4P 4EB, England
CEGB Tech. Disclosure Bull. (GB) – (CETDAK)
CEGB Technical Disclosure Bulletin Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England
Celestial Mech. (Netherlands) – (CLMCAV)
Celestial Mechanics D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands
CEP (Chem. Eng. Prog.) (USA) – (CEPRA8)
CEP (Chemical Engineering Progress) American Institute of Chemical Engineers, 347 East 47th Street, New York, NY 10017, USA
Ceramurgia Int. (GB) – (CEINDW)
Ceramurgia International Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Cerberus Alarm (Switzerland) – (CBALAU)
Cerberus Alarm Cerberus Ltd., CH-8708 Mannedorf, Switzerland
Cerberus Electron. (Switzerland) – (CRELBR)
Cerberus Electronic Cerberus Ltd., CH 8708 Mannedorf, Switzerland
Certif. Eng. (S. Africa) – (CEENA9)
Certificated Engineer Institution of Certificated Mechanical & Electrical Engineers SA, P.O. Box 61019, Marshalltown, Transvaal, S. Africa
Cesk. Cas. Fyz. Sekce A (Czechoslovakia) – (CKCFAH)
Ceskoslovensky Casopis pro Fyziku, Sekce A Academia Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia
Cesk. Inf. Teor. & Praxe (Czechoslovakia) – (CITPBH)
Ceskoslovenska Informatika, Teorie a Praxe Editorial address: 11357 Praha 1, Konviktska 5, Czechoslovakia
Chalmers Tek. Hoegsk. Handl. (Sweden) – (TCITAG)
Chalmers Tekniska Hogskolas Handlingar (Transactions of Chalmers University of Technology) Library of Chalmers University of Technology, Fack, 402 20 Goteborg 5, Sweden
Chart. Mech. Eng. (GB) – (CHMGAF)
The Chartered Mechanical Engineer Institution of Mechanical Engineers, P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England
Chem Biomed. & Environ. Instrum. (USA) – (CBEIDA)
Chemical, Biomedical, and Environmental Instrumentation Formerly: *Chem. Instrum. (USA)* Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
Chem. Eng. (GB) – (CMERA9)
Chemical Engineer Institution of Chemical Engineers, 15 Belgrave Square, London, SW1X 8PT, England
Chem. Eng. (USA) – (CHEEA3)
Chemical Engineering McGraw-Hill Inc., McGraw-Hill Building, 1221 Avenue of the Americas, New York, NY 10020, USA
Chem. Eng. Aust. (Australia) – (CEAUDD)
Chemical Engineering in Australia Formerly: *Inst. Eng. Aust. Chem. Eng. Aust. (Australia)* Institution of Engineers, Australia, College of Chemical Engineers, 11 National Circuit, Barton ACT, Australia
Chem. Eng. J. (Switzerland) – (CMEJAJ)
Chemical Engineering Journal Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland
Chem. Eng. Sci. (GB) – (CESCAC)
Chemical Engineering Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Chem. Ing. Tech. (Germany) – (CITEAH)
Chemie Ingenieur Technik Verlag Chemie GmbH, D-6940 Weinheim, Postfach 1260/1280, Pappelallee 3, Germany
Chem. Instrum. (USA) – (CHINBH)
Chemical Instrumentation Title changed to: *Chem Biomed. & Environ. Instrum. (USA)*
Chem. Phys. (Netherlands) – (CMPHC2)
Chemical Physics North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Chem. Phys. Lett. (Netherlands) – (CHPLBC)
Chemical Physics Letters North-Holland Publishing Co., P.O. Box 211 Amsterdam, Netherlands
Chem. Scr. (Sweden) – (CSRPB9)
Chemica Scripta Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden
Chem. Tech. (Germany) – (CHTEAA)
Chemische Technik VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany
Chem. Technol. (USA) – (CHMTBL)
Chemical Technology Title changed to: *Chemtech (USA)*
Chemtech (USA) – (CHTEDD)
Chemtech Formerly: *Chem. Technol. (USA)* American Chemical Society, 1115 Sixteenth Street, N.W., Washington, DC 20036, USA
Chief Executive (GB) – (CHEXDT)
Chief Executive Formerly: *Chief Executive Mon. (GB)* Morgan-Grampian Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England
Chief Executive Mon. (GB) – (CEMODL)
Chief Executive Monthly Title changed to: *Chief Executive (GB)*
Chin. Astron. (GB)
Chinese Astronomy [Translation of: *Acta Astron. Sin. (China)*] Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Chin. J. Phys. (Taiwan) – (CJOPAW)
Chinese Journal of Physics Physical Society of the Republic of China, Physics Department, National Taiwan University, Taipei, Taiwan, China
Chip (Germany) – (CHIPDP)
Chip Vogel-Verlag, Postfach 67 40, D-8700 Wurzburg 1, Germany
Ciel & Terre (Belgium) – (CIELAV)
Ciel et Terre Societe Belge d'Astronomie, de Meteorologie et de Physique du Globe, Avenue Circulaire 3, 1180 Bruxelles, Belgium
Ciencia (Mexico) – (CIENA3)
Ciencia Apartado Postal 32133, Mexico 1, DF, Mexico
CIM Bull. (Canada) – (CIBUBA)
Canadian Mining and Metallurgical Bulletin Canadian Institute of Mining and Metallurgy, 400 1130 Sherbrooke Street West, Montreal, Que. H3A 2M8, Canada
Circ. Electrotech. Lab. (Japan) – (DSCHAM)
Circulars of the Electrotechnical Laboratory 2-chome, Nagata-cho, Chiyoda-ku, Tokyo, Japan
Circuit World (GB) – (CIWODV)
Circuit World Wela Publications Ltd., 29 Barns Street, Ayr KA7 1XB, Scotland
Circuits Manuf. (USA) – (CMFGAF)
Circuits Manufacturing Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA
Clean Air (Australia) – (CLNABV)
Clean Air Clean Air Society of Australia and New Zealand, Editorial address: 75 Downshire Road, Elsternwick, Victoria 3185, Australia. Subscription address: 151 Northern Road, Heidelberg, Victoria 3081
Clim. Change (Netherlands) – (CLCHDX)
Climatic Change D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands
Cognitive Psychol. (USA) – (CGPSBQ)
Cognitive Psychology Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
Coll. & Res. Libr. (USA) – (CRLIAI)
College & Research Libraries 1201-05 Bluff Street, Fulton, MO 65251, USA
Collect. Phenom. (GB) – (CLPNAB)
Collective Phenomena Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
Colloid J. USSR (USA) – (COJOA5)
Colloid Journal of the USSR [Translation of: *Kolloidn. Zh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Combust. & Flame (USA) – (CBFMAO)
Combustion and Flame (Quarterly Journal of the Combustion Institute) American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA
Combust. Explos. & Shock Waves (USA) – (CESWA4)
Combustion, Explosion and Shock Waves [Translation of: *Fiz. Goreniya & Vzryva (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Commentat. Phys.-Math. (Finland) – (CPHMAU)
Commentationes Physico-Mathematicae Societas Scientiarum Fennica, Snellmansgatan 9-11, 00170 Helsinki 17, Finland
Comments Astrophys. Comments Mod. Phys. Part C (GB) – (COASD9)
Comments on Astrophysics. Comments on Modern Physics: Part C Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
Comments At. & Mol. Phys. (GB) – (CAMPBS)
Comments on Atomic and Molecular Physics Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
Comments Earth Sci. Geophys. (GB) – (CESGAO)
Comments on Earth Sciences: Geophysics Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
Comments Nucl. & Part. Phys. (GB) – (CNPPAV)
Comments on Nuclear and Particle Physics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
Comments Plasma Phys. & Controlled Fusion (GB) – (CPCFBJ)
Comments on Plasma Physics and Controlled Fusion Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
Comments Solid State Phys. (GB) – (COSPBK)
Comments on Solid State Physics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
Commun. & Broadcast. (GB) – (COBRDB)
Communication & Broadcasting Marconi Co. Ltd., Marconi House, New Street, Chelmsford, Essex CM1 1PL, England
Commun. ACM (USA) – (CACMA2)
Communications of the ACM Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
Commun. Dublin Inst. Adv. Stud. Ser. A (Ireland) – (CDIAAH)
Communications of the Dublin Institute for Advanced Studies, Series A School of Theoretical Physics, 10 Burlington Road, Dublin 4, Ireland
Commun. Int. (GB) – (CINTDZ)
Communications International Northwood Publications Ltd., Theba House, 49-50 Hatton Garden, London, EC1N 8XS, England
Commun. Math. Phys. (Germany) – (CMPHAY)
Communications in Mathematical Physics Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany
Commun. Phys. (GB) – (COPHDH)
Communications on Physics Taylor & Francis Ltd., 10-14 Macklin Street, London WC2B 5NF, England
Commun. R. Soc. Edinburgh (GB) – (CRYSAB)
Communications to the Royal Society of Edinburgh (Physical Sciences) 22 George Street, Edinburgh, EH2 2PQ, Scotland
Commun. Sci. & Tech. Inf. (GB) – (CSTIBW)
Communicator of Scientific and Technical Information Institute of Scientific and Technical Communicators Ltd., 17 Blueridge Avenue, Brookmans Park, Hatfield, Herts. AL9 7RY, England
Commun. Stat. Simulation & Comput. (USA) – (CSSCDB)
Communications in Statistics - Simulation and Computation Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
Commun. Stat.-Theory & Methods (USA) – (CSTMDC)
Communications in Statistics - Theory and Methods Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
Communications (USA) – (CMUTAR)
Communications Cardiff Publishing Co., 3900 South Wadsworth Blvd., Denver, CO 80235, USA
Commutat. & Electron. (France) – (CELCAB)
Commutation et Electronique Editions Chiron, 40 Rue de Seine, 75006 Paris, France. Merged with Cables & Transm. (France) to form Commutat. & Transm. (France)
Commutat. & Transm. (France)
Commutation & Transmission SOTELEC, 16 rue de la Baume, 75008 Paris, France
Components Rep. (Germany) – (CMREC3)
Components Report Siemens Atkiengesellschaft, Hellabrunner Strasse 1, 8000 Munchen 90, Germany
Composites (GB) – (CPSOAN)
Composites ICP Science and Technology Press Ltd., P.O. Box 62, Westbury House, Bury Street, Guildford, Surrey GU2 5AW, England
Comput. & Biomed. Res. (USA) – (CBMRB7)
Computers and Biomedical Research Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Comput. & Chem. (GB) – (COCHDK)
Computers & Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Comput. & Chem. Eng. (GB) – (CCENDW)
Computers & Chemical Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Comput. & Educ. (GB) – (COMEDR)
Computers & Education Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Comput. & Electr. Eng. (USA) – (CPEEBQ)
Computers & Electrical Engineering Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY10523, USA
Comput. & Fluids (GB) – (CPFLBI)
Computers & Fluids Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Comput. & Geosci. (GB) – (CGEODT)
Computers & Geosciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England
Comput. & Graphics (GB) – (COGRD2)
Computers & Graphics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
Comput. & Hum. (Netherlands) – (COHUAD)
Computers and the Humanities North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Comput. & Ind. Eng. (GB) – (CINDDL)
Computers & Industrial Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Comput. & Math. with Appl. (GB) – (CMAPDK)
Computers & Mathematics with Applications Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
Comput. & Med. (USA) – (CMPMDI)
Computers and Medicine American Medical Association, 535 North Dearborn Street, Chicago, IL 60610, USA
Comput. & Oper. Res. (GB) – (CMORAP)
Computers & Operations Research Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Comput. & People (USA) – (CPLEAQ)
Computers and People Berkeley Enterprises Inc., 815 Washington Street, Newtonville, MA 02160, USA
Comput. & Struct. (GB) – (CMSTCJ)
Computers and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Comput. Aided Des. (GB) – (CAIDA5)
Computer Aided Design IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
Comput. Appl. (GB) – (CPUABQ)
Computer Applications Department of Geography, The Unversity, Nottingham, NG7 2RD, England
Comput. Biol. & Med. (GB) – (CBMDAW)
Computers in Biology and Medicine Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Comput. Bull. (GB) – (COBUAH)
Computer Bulletin British Computer Society, 29 Portland Place, London, W1N 4HU, England
Comput. Commun. (GB) – (COCOD7)
Computer Communications IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
Comput. Data (Canada) – (CODAD4)
Computer Data Whitsed Publishing Ltd., Suite 2504, 2 Bloor Street West, Toronto, Ontario M3W 3E2, Canada
Comput. Decis. (USA) – (CODCB8)
Computer Decisions Hayden Publishing Co., 50 Essex Street, Rochelle Park, NJ 07662, USA
Comput. Des. (USA) – (CMPDAM)
Computer Design P.O. Box A, Winchester, MA 01890, USA
Comput. Educ. (GB) – (CPECBK)
Computer Education Editorial Address: National Computer Centre, Oxford Road, Manchester M1 7ED, England
Comput. Graphics & Art (USA) – (CGARDI)
Computer Graphics and Art Berkeley Enterprises Inc., 815 Washington Street, Newtonville, MA 02160, USA
Comput. Graphics & Image Process. (USA) – (CGIPBG)
Computer Graphics and Image Processing Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
Comput. J. (GB) – (CMPJA6)
Computer Journal British Computer Society, 13 Mansfield Street, London W1M 0BP, England
Comput. Lang. (GB) – (COLADA)
Computer Languages Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
Comput. Linguist. & Comput. Lang. (Hungary) – (CLCODK)
Computational Linguistics and Computer Languages Hungarian Academy of Sciences, Budapest, Hungary
Comput. Manage. (GB) – (CPMGA3)
Computer Management IDG Publishing Ltd., Glazier House, 140/146 Camden Street, London, NW1 9PF, England
Comput. Methods Appl. Mech. & Eng. (Netherlands) – (CMMECC)
Computer Methods in Applied Mechanics and Engineering North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Comput. Music J. (USA) – (CMUJDY)
Computer Music Journal People's Computer Co., Box E, 1263 El Camino Real, Menlo Park, CA 94025, USA
Comput. Networks (Netherlands) – (CNETDP)
Computer Networks North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Comput. Peripherals Rev. (USA) – (CPERDX)
Computer Peripherals Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA
Comput. Pers. (USA) – (CPPNB6)
Computer Personnel Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
Comput. Phys. Commun. (Netherlands) – (CPHCBZ)
Computer Physics Communications North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Comput. Prod. Int. (GB) – (CPRID3)
Computer Products International IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England
Comput. Programs Biomed. (Netherlands) – (COPMBU)
Computer Programs in Biomedicine Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands
Comput. Rev. (USA) – (CMRVCK)
Computer Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA
Comput. Surv. (GB) – (COSVA3)
Computer Survey United Trade Press, 42/43 Gerrard Street, London, W1V 7LP, England
Comput. Surv. (USA) – (CMSVAN)
Computing Surveys Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
Comput. Terminals Rev. (USA) – (COTRDX)
Computer Terminals Review GML. Corp., 594 Marrett Road, Lexington, MA 02173, USA
Comput. Times with Computacards (GB) – (COTID6)
Computer Times with Computacards Formerly: *Computacards Int. (GB)* Walker Ellis Ltd., 26 Lyons Drive, Worplesdon, Nr. Guildford, Surrey GU2 6BR, England
Comput. Tomogr. (GB) – (CTOMDS)
Computerized Tomography Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Comput. Wkly. (GB) – (COMWAA)
Computer Weekly IPC Business Press Ltd., 40 Bowling Green Lane, London, EC1R ONE, England
Computacards Int. (GB) – (CMPID6)
Computacards International Title changed to: *Comput. Times with Computacards (GB)*
Compute (USA) – (CMPTD5)
Compute National Semiconductor Corp., 2900 Semiconductor Drive, Santa Clara, CA 95051, USA
Computer (USA) – (CPTRB4)
Computer Institute of Electrical and Electronic Engineers Computer Society, 5855 Naples Plaza, Suite 301, Long Beach, CA 90803, USA
Computing (Austria) – (CMPTA2)
Computing Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria
COMSAT Tech. Rev. (USA) – (CSTRCQ)
COMSAT Technical Review Communications Satellite Corp., 950 L'Enfant Plaza, S.W., Washington, DC 20024, USA
Comunicaciones (Cuba) – (COMUB5)
Comunicaciones Centro de Informacion de Comunicaciones, Ministerio de Comunicaciones, Habana, Cuba
Contemp. Phys. (GB) – (CTPHAF)
Contemporary Physics Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England
Contrib. Atmos. Phys. (Germany) – (BPYAAY)
Contributions to Atmospheric Physics (Beitrage zur Physik der Atmosphare) Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, P.O. Box 5829, D-6200 Wiesbaden, Germany
Contrib. Geophys. Inst. Slovak Acad. Sci. Ser. Meteorol. (Czechoslovakia) – (CGIMD9)
Contributions of the Geophysical Institute of the Slovak Academy of Sciences, Series of Meteorology Dubravska cesta, 899 30 Bratislava, Czechoslovakia
Contrib. Inst. Low Temp. Sci. Ser. A (Japan) – (CLTSBD)
Contributions from the Institute of Low Temperature Sciences, Series A Hokkaido University, Sapporo, Japan
Control & Cybern. (Poland) – (CCYBAP)
Control and Cybernetics Panstwowe Wydawnictwo Naukowe, W-WA, Miodowa 10, Warszawa, Poland
Control & Instrum. (GB) – (CTLIAW)
Control & Instrumentation Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
Control Cibern. & Autom. (Cuba) – (CCAZAB)
Control Cibernetica y Automatizacion Centro de Automatizacion Industrial (C.A.I.), Paseo No. 452 esq. a 19, Vedado, Habana 4 (Apdo. 4019), Cuba
Control Eng. (USA) – (CENGAX)
Control Engineering Dun-Donelley Publishing Corp., 666 Fifth Avenue, New York, NY 10019, USA
Controller (Germany) – (CTLRAP)
The Controller International Federation of Air Traffic Controllers' Associations, S.C. 11, 6 Frankfurt am Main 60, Bornheimer Landwehr 57a, Germany
Corros. Sci. (GB) – (CRRSAA)
Corrosion Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Corrosion (USA) – (CORRAK)
Corrosion National Association of Corrosion Engineers, 1440 South Creek, Houston, TX 77084, USA
Cosmic Res. (USA) – (CSCRA7)
Cosmic Research [Translation of: *Kosm. Issled. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Cost & Manage. (Canada) – (CSTMA9)
Cost and Management Society of Management Accountants of Canada, 154 Main Street, Hamilton, Ontario L8N 3C3, Canada
Courr. Norm. (France) – (CONOAP)
Courrier de la Normalisation Association Francaise De Normalisation, Tour Europe Cedex 7, 92080 Paris La Defense, France
CQ Radio Amat. J. (USA) – (CQCQAO)
CQ Radio Amateur's Journal 14 Vanderventer Avenue, Port Washington, Long Island, NY 11050, USA
CRC Crit. Rev. Bioeng. (USA) – (CRBEAO)
CRC Critical Reviews in Bioengineering CRC Press Inc., 2255 Palm Beach Lakes Boulevard, West Palm Beach, FL 33409, USA
CRC Crit. Rev. Solid State & Mater. Sci. (USA) – (CCRSDA)
CRC Critical Reviews in Solid State and Materials Sciences Formerly: *Crit. Rev. Solid State Sci. (USA)* CRC Press Inc., 18901 Cranwood Parkway Cleveland, OH 44128, USA
Creative Comput. (USA) – (CCOMDB)
Creative Computing P.O. Box 789-M, Morristown, NJ 07960, USA
Crit. Rev. Solid State Sci. (USA) – (CCSCBX)
Critical Reviews in Solid State Sciences Title changed to: *CRC Crit. Rev. Solid State & Mater. Sci. (USA)*
Cryogenics (GB) – (CRYOAX)
Cryogenics IPC Science and Technology Press Ltd., Westbury House, Bury Street, Guildford, Surry GU2 5AW, England

Cryst. Lattice Defects (GB) – (CLADA8)
Crystal Lattice Defects Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
CSELT Rapp. Tec. (Italy) – (CSELBY)
CSELT Rapporti Tecnici CSELT - Centro Studi e Laboratori Telecomunicazioni, Torino, Via Guglielmo Reiss Romoli 274, Italy
CSIO Commun. (India) – (CSIOBT)
CSIO Communications Central Scientific Instruments Organisation, Sector 30, Chandigarh-160020, India
Curr. Sci. (India) – (CUSCAM)
Current Science Current Science Association, Raman Research Institute, Bangalore 560006, India
Cybernetica (Belgium) – (CYBEA5)
Cybernetica International Association for Cybernetics, Place Andre Rijckmans, Namur, Belgium
Cybernetics (USA) – (CYBNAW)
Cybernetics [Translation of: *Kibernetika (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Czech. Heavy Ind. (Czechoslovakia) – (CZHIAK)
Czechoslovak Heavy Industry Rapid, 13 UL, 28 Rijna, 11279 Praha 1, Czechoslovakia
Czech. J. Phys. Sect. B (Czechoslovakia) – (CZYPAO)
Czechoslovak Journal of Physics, Section B Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Daedalus (USA) – (DAEDAU)
Daedalus (Proceedings of the American Academy of Arts and Sciences) 165 Allandale Street, Jamaica Plain Station, Boston, MA 02130, USA
Dainichi-Nippon Cables Rev. (Japan) – (DNDJAW)
Dainichi-Nippon Cables Review Dainichi-Nippon Cables Ltd., Umeda Bldg., 7-3 Umdeba, Kita-ku, Osaka, Japan
Danfoss J. (Denmark) – (DNFJA8)
Danfoss Journal Danfoss Manufacturing Co., Nordborg, Denmark
Data (Denmark) – (DAATDR)
Data Kronprinsensgade 14, Box 113, 1004 Kobenhavn K, Denmark
Data (Netherlands) – (DATACU)
Data Vereniging van Technisch Hoger Personeel der PTT, Van Hoornbeekstraat 36, 's, Gravenhage, Netherlands
Data Base (USA) – (DTBSAN)
Data Base Association of Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
Data Manage. (USA) – (DTAMBZ)
Data Management Data Processing Management Association, 505 Busse Highway, Park Ridge, IL 60068, USA
Data Process. Pract. (GB) – (DPPTAY)
Data Processing Practitioner Institute of Data Processing Ltd., Walter House, 418-422 Strand, London WC2R 0PW, England
Data Processing (GB) – (DPROAT)
Data Processing IPC Electrical-Electronic Press Ltd., 79-80 Blackfriars Road, London SE1 8HN, England
Data Processor (USA) – (DATPA5)
Data Processor Data Processing Division, International Business Machines Corp., 1133 Westchester Avenue, White Plains, NY 10604, USA
Data Rep. (Germany) – (DARPAT)
Data Report Siemens Aktiengesellschaft, Hellabrunner Strasse 1, 8000 Munchen 90, Germany
Data Syst. (GB) – (DASYAR)
Data Systems Embankment Press Ltd., Building 59, GEC Estate, East Lane, Wembley, Middx HA9 7TQ, England
Database (USA) – (DTBSDQ)
Database Online Inc., 11 Tannery Lane, Weston, CT 06883, USA
Database J. (GB) – (DAJODN)
Database Journal A.P. Publications Ltd., 322 St. John Street, London ec1V 4QH, England
Datalink (GB) – (DTLNDR)
Datalink 76 Dean Street, London, W1A 1BU, England
Datamation (USA) – (DTMNAT)
Datamation Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA
Decis. Sci. (USA) – (DESCDQ)
Decision Sciences American Institute for Decision Sciences, University Plaza, Atlanta, GA 30303, USA
Deep-Sea Res. (GB) – (DROAAK)
Deep-Sea Research Title changed to: *Deep-Sea Res. Part A (GB)*
Deep-Sea Res. Part A (GB) – (DESRAY)
Deep-Sea Research Part A, Oceanographic Research Papers Formerly: *Deep-Sea Res. (GB)* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Def. Electron. (USA) – (DEELDH)
Defense Electronics Formerly: *Electron. Warf. Def. Electron. (USA)* EW Communications Inc., 1170 East Meadow Drive, Palo Alto, CA 94303, USA
Def. Sci. J. (India) – (DSJOAA)
Defence Science Journal Metcalfe House, Delhi 110054, India
Defektoskopiya (USSR) – (DEFKAG)
Defektoskopiya Academy of Sciences of the USSR, Moskva, USSR [English translation in: *Sov. J. Nondestr. Test. (USA)*]
Delft Prog. Rep. (Netherlands) – (DPRED2)
Delft Progress Report Delft University Press, Mijnbouwplein 11, 2628 RT Delft, Netherlands
Des. Eng. (GB) – (DEMCBS)
Design Engineering Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
Desalination (Netherlands) – (DSLNAH)
Desalination Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands
Digital Des. (USA) – (DIDEDJ)
Digital Design Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA
Digital Processes (Switzerland) – (DGPRBY)
Digital Processes Georgi Publishing Co., CH-1813 St. Saphorin, Switzerland
Dimensions NBS (USA) – (NBSTAR)
Dimensions NBS U.S. Department of Commerce, Washington, DC 20234, USA
DISA Inf. (Denmark) – (DISIAZ)
Danske Industri Syndikat A/S Information Disa Elektronik A/S, DK-2740 Skovlunde, Denmark
Discrete Math. (Netherlands) – (DSMHA4)
Discrete Mathematics North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Disp. Technol. & Appl. (GB) – (DISPDP)
Displays, Technology and Applications IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford GU2 5BH, Surrey, England
Doc. & Bibl. (Canada) – (DCBBBO)
Documentation et Bibliotheques Association Canadienne des Bibliothecaires de Langue Francaise, 360 rue Le Moyne, Montreal 125, Canada
Documentaliste (France) – (DCMTAU)
Documentaliste A.D.B.S., 5 Avenue Franco-Russe, 75007 Paris, France
Dokl. Akad. Nauk SSSR – (DANKAS)
Doklady Akademii Nauk SSSR Editorial address: 117874 GSP-7 Moskva B-485, Profsoyuznaya Ul. 90 Kom. 533, USSR [English translations of selected articles in: *Sov. Phys.-Dokl. (USA)*]
Dokl. Biophys. (USA) – (DOKBAG)
Doklady Biophysics Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA. (Translation of the Biophysics Section of Doklady Akademii Nauk SSSR)
Dopov. Akad. Nauk UkRSR. Ser. A (USSR) – (DUKABM)
Dopovidi Akademii Nauk Ukrains'koi RSR. Seriya A Fiziko-Tekhnichni ta Matematichni Nauki Izdatel'stvo 'Naukova Dumka', 252601 Kiev, MSP, Repina 3, USSR
Dyn. Atmos. & Oceans (Netherlands) – (DAOCDC)
Dynamics of Atmospheres and Oceans Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands
Dyna (Spain) – (DYNAAU)
Dyna Association Nacional De Ingenieros Industriales de Espana, AL. Mazarredo, 69, 5 Bilbao 9, Apartado 646, Spain

Earth & Extraterr. Sci. (GB) – (EEXSA5)
Earth and Extraterrestrial Sciences Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England
Earth & Planet. Sci. Lett. (Netherlands) – (EPSLA2)
Earth and Planetary Science Letters Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Earth Surf. Processes (GB) – (ESPRDT)
Earth Surface Processes John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
Earthquake Eng. & Struct. Dyn. (GB) – (IJEEBG)
Earthquake Engineering & Structural Dynamics John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
EBI (Educ. Broadcast. Int.) (GB) – (EBINAU)
EBI (Educational Beoadcasting International) Formerly: *Educ. Broadcast. Int. (GB)* Published for the British Council by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
EBU Rev. Tech. (Belgium) – (EBUTA6)
EBU Review, Technical Technical Centre of the European Broadcasting Union, Avenue Albert Lancaster 32, B-1180 Bruxelles, Belgium
EC-Nyt (Denmark) – (ECNTDF)
EC-Nyt Issued with: *Elektronik (Denmark)*
Echo Rech. (France) – (ECRCAF)
L'Echo des Recherches Centre National d'Etudes des Telecommunications, 38 Rue du General Leclerc, 92 131 Issy-les-Moulineaux, France
Econ. Comput. & Econ. Cybern. Stud. & Res. (Rumania) – (ECECAI)
Economic Computation and Economic Cybernetics Studies and Research Centre of Economic Computation and Economic Cybernetics, Bucuresti, Rumania
ECTJ (USA) – (EECTD8)
ECTJ Formerly: *AV Commun. Rev. (USA)* Association for Educational Communications and Technology, 1126 16th Street, N.W., Washington, DC 20036, USA
EDN (USA) – (EDNSBH)
EDN Cahners Publishing Co. Inc., 221 Columbus Avenue, Boston, MA 02116, USA
EDP Anal. (USA) – (EDPAA6)
EDP Analyzer Canning Publications Inc., 925 Anza Avenue, Vista, CA 92083, USA
Educ. Broadcast. Int. (GB) – (EBINAU)
Educational Broadcasting International Title changed to: *EBI (Educ. Broadcast. Int.) (GB)*
Educ. Stud. Math. (Netherlands) – (EDSMAN)
Educational Studies in Mathematics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
Educ. Technol. (USA) – (EDTCAW)
Educational Technology Educational Technology Publications Inc., 140 Sylvan Avenue, Englewood Cliffs, NJ 07632, USA
EDUCOM Bull. (USA) – (EDCMAB)
EDUCOM Bulletin Box 364, Rosedale Road, Princeton, NJ 08540, USA
Eesti NSV Tead. Akad. Fuus. Inst. Uurim. (USSR) – (ENTUDN)
Eesti NSV Teaduste Akadeemia Fuusika Instituudi Uurimused Formerly: *Eesti NSV Tead. Akad. Fuus. & Astron. Inst. Uurim. (USSR)* Akademii Nauk ESSR, Tallin, USSR
Eisenbahntechnik (Germany) – (DETEBZ)
Eisenbahntechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
Ekon.-Mat. Obz. (Czechoslovakia) – (EKMOBF)
Ekonomicko-Matematicky Obzor Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia
Electr. Automob. (France) – (ELATAA)
L'Electricite Automobile 59 Rue du Faubourg-Poissonniere, 75009 Paris, France
Electr. Comf. Cond. News (USA) – (ECCNDA)
Electric Comfort Conditioning News Electrical Information Publications Inc., 2132 Fordem Avenue, Madison, WI 53701, USA
Electr. Commun. (GB) – (ELCMAX)
Electrical Communication International Telephone & Telegraph Corp., 190 Strand, London, WC2R 1DU, England
Electr. Commun. Lab. Tech. J. (Japan) – (TJECAS)
Electrical Communication Laboratories Technical Journal Nippon Telegraph and Telephone Public Corp., 1551 Kichijoji, Musashino-shi, Tokyo, Japan

Electr. Constr. & Maint. (USA) – (ECOMAU)
Electrical Construction and Maintenance McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electr. Eng. (Australia) – (ELEMA9)
Electrical Engineer Thompson Publishing (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

Electr. Eng. Jpn. (USA) – (EENJAU)
Electrical Engineering in Japan Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA. English translation of Trans. Inst. Electr. Eng. Jpn. Parts A, B and C (Japan)

Electr. Eng. Rev. (Pakistan) – (EERPAY)
Electrical Engineering Review West Pakistan University of Engineering and Technology, Lahore-31, Pakistan

Electr. Equip. (GB) – (ELEQBM)
Electrical Equipment Business Publications Ltd., 109-119 Waterloo Road, London, SE1 8UL, England

Electr. India – (EIDAAF)
Electrical India Indian Electrical Manufacturer's Association, 14 Sihd Prasad,Ghatkopar-Mohul Road, Tilak Nagar, P.O. Bombay 400-089, India

Electr. Power Syst. Res. (Switzerland) – (EPSRDN)
Electric Power Systems Research Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

Electr. Rev. (GB) – (ELREAG)
Electrical Review IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Electr. Technol. USSR (GB) – (ELTGAW)
Electric Technology USSR [Translation of: *Elektrichestvo (USSR)*] Pergamon Press Ltd., Headington Hall Hill, Oxford, OX3 OBW, England

Electr. Times (GB) – (ELTIA4)
Electrical Times Dorset House, Stamford Street, London, SE1 9LU, England

Electr. Veh. Dev. (GB) – (EVDEDJ)
Electric Vehicle Developments Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, England

Electr. World (USA) – (ELWOA3)
Electrical World McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electra (France) – (ECTRB3)
Electra 112 Boulevard Hausmann, 75008 Paris, France

Electricidade (Portugal) – (ELDDAB)
Electricidade Empresa Editorial Electrotecnica Edel, Rua de Dona Estefania, 48, 3., Esq., Lisboa 1, Portugal

Electricite (Belgium) – (ELTCAK)
Electricite. Revue de l'Union des Exploitations Electriques en Belgique galerie Ravenstein 4, Bte 6, 1000 Bruxelles, Belgium

Electro-Opt. Syst. Des. (USA) – (EOSDB6)
Electro-Optical Systems Design Milton S. Kiver Publications Inc., 222 West Adams, Chicago, IL 60606, USA

Electro-Rev. (Switzerland) – (ERVUAO)
Electro-Revue 8027 Zurich, Splugenstrasse 6, Switzerland

Electro-Technol. (India) – (ELTEAQ)
Electro-Technology Society of Electronic Engineers, Electronics & Radar Development Establishment, Bangalore 1, India

Electroacoustique (Belgium) – (ELACBS)
Electroacoustique Universite de Liege, Laboratoire d'Electroacoustique, Liege, Belgium

Electrochem. Ind. Process. & Biol. (GB) – (EIPBBB)
Electrochemistry in Industrial Processing and Biology [Translation of: *Elektron. Obrab. Mater. (USSR)*] Scientific Information Consultants Ltd., 661 Finchley Road, London, NW2 2HN, England

Electrochim. Acta (GB) – (ELCAAV)
Electrochimica Acta Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Electrocompon. Sci. & Technol. (GB) – (ECSTC5)
Electrocomponent Science and Technology Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Electroencephalogr. & Clin. Neurophysiol. (Netherlands) – (ECNEAZ)
Electroencephalography and Clinical Neurophysiology Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Electromedica (Germany) – (ELMCBK)
Electromedica Siemens Aktiengesellschaft, Medical Engineering Group, 8520 Erlangen, Henkestrasse 127, Germany

Electromyography & Clin. Neurophysiol. (Belgium) – (EMCNA9)
Electromyography and Clinical Neurophysiology Nauwelaerts Publishing House, Muntstraat 10, Louvain, Belgium

Electron (GB) – (ELTNCL)
Electron IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Electron Technol. (Poland) – (ETNTAT)
Electron Technology Instytut Technologii Elektronowej, al. Lotnikow 31/46, 02-668 Warszawa, Poland

Electron. & Appl. Ind. (France) – (EAINDQ)
Electronique & Applications Industrielles Societe des Editions Radio, 9 Rue Jacob, 75006 Paris, France

Electron. & Commun. (Canada) – (ECEPAN)
Electronics and Communications Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ontario, Canada

Electron. & Commun. Jpn. (USA) – (ECOJAL)
Electronics and Communications in Japan Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D, (Japan)

Electron. & Fis. Apl. (Spain) – (EFAPAO)
Electronica y Fisica Aplicada Centro de Investigaciones Fisicas, Serrano, 144, Madrid 6, Spain

Electron. & Power (GB) – (ELPWAQ)
Electronics and Power. Journal of the Institution of Electrical Engineers Savoy Place, London, WC2R OBL, England

Electron. Appl. Bull. (Netherlands) – (EABUBA)
Electronic Applications Bulletin N.V. Philips' Gloeilampenfabrieken, Electronic Components and Materials Division, Eindhoven, Netherlands. N.V. Uitgeversmaatschappij Centrex, Eindhoven. Merged with Mullard Tech. Commun. (GB) to form Electron. Components & Appl. (Netherlands)

Electron. Aust. (Australia) – (EAUSAU)
Electronics Australia Editorial address: 57-59 Regent Street, Sydney 2008, Australia

Electron. Components & Appl. (Netherlands) – (ECAPD6)
Electronic Components & Applications N.V. Philips' Gloeilampenfabrieken, Elcoma Marketing Communications, Eindhoven, Netherlands. Mullard Ltd., Technical Publications Department, New Road, Mitcham, Surrey CR4 4XY

Electron. Des. (USA) – (ELODAW)
Electronic Design Hayden Publishing Co. Inc., 50 Essex Street, Rochelle Park, NJ 07662, USA

Electron. Eng. (GB) – (ELCEA9)
Electronic Engineering Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England

Electron. Equip. News (GB) – (EEQNAN)
Electronic Equipment News Business Publications Ltd., 109/119 Waterloo Road, London SE1 8UL, England

Electron. Ind. (GB) – (EINDD9)
Electronics Industry Lesterstar Ltd., 375 Upper Richmond Road West, London, SW1Y 7NX, England

Electron. Inf. & Plann. (India) – (ELIPB5)
Electronics Information and Planning IPAG, Electronics Commission, C-5/18 Safdarjung Development Area, New Delhi 110016, India

Electron. Lett. (GB) – (ELLEAK)
Electronics Letters Institution of Electrical Engineers, Savoy Place, London, WC2R OBL, England

Electron. Packag. & Prod. (USA) – (ELPPA5)
Electronic Packaging and Production Milton S. Kiver Publications Inc., 222 West Adams Street, Chicago, IL 60606, USA

Electron. Prod. (GB) – (ELPDB4)
Electronic Production Kiver-Patterson Publishing, 322 St. John Street, London EC1, England

Electron. Prog. (USA) – (ELTPAP)
Electronic Progress Raytheon Co., Lexington, MA 02173, USA

Electron. Technol. (GB)
Electronic Technology Formerly: *SERT J. (GB)* Society of Electronic and Radio Technicians, Faraday House, 8-10 Charing Cross Road, London, WC2 0HP, England

Electron. Test (USA) – (ELTEDT)
Electronics Test Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

Electron. Today (India) – (ETAYAD)
Electronics Today 4-A Naaz Bldg., Lamington Road, Bombay-4, India

Electron. Today Int. (GB) – (ETINDN)
Electronics Today International Modmags Ltd., 25-27 Oxford Street, London, W1R 1RF, England

Electron. Warf. Def. Electron. (USA) – (EWDEDQ)
Electronic Warfare Defense Electronics Title changed to: *Def. Electron. (USA)*

Electronics (USA) – (ELECAD)
Electronics McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electrophotography (Japan) – (ELPYAW)
Electrophotography Society of Electrophotography of Japan, Tokyo, Japan

Electrotechnology (GB) – (ETNYBB)
Electrotechnology Institution of Electrical and Electronics Technician Engineers, 2 Savoy Hill, London, WC2R OBS, England

Electroteh. Electron. & Autom. Autom. & Electron. (Rumania) – (EAAEDR)
Electrotehnica, Electronica si Automatica. Automatica si Electronica O.I.D.-M.I.C.M.U.E., Bucuresti, Calea Victoriei nr. 133, Rumania

Electroteh. Electron. & Autom. Electroteh. (Rumania) – (EEAEDL)
Electrotehnica, Electronica si Automatica. Electrotehnica O.I.D.-M.I.C.M.U.E., Bucuresti, Calea Victoriei nr. 133, Rumania

Elektor (GB) – (ELEKD6)
Elektor Elektor Publishers Ltd., Elektor House, 10 Longport, Canterbury CT1 1PE, England

Elektr. & Teplovoznaya Tyaga (USSR) – (ETTYA6)
Elektricheskaya i Teplovoznaya Tyaga Editorial Address: 107140 Moskva B-140, Krasnoprualnaya ul., 22/24, rep. 262-12-32, USSR

Elektr. Ausruestung (Germany) – (ELKAA3)
Elektrische Ausrustung Vogel Verlag, 87-Wurzburg, Postfach 800, Germany

Elektr. Bahnen (Germany) – (ELBAAQ)
Elektrische Bahnen R. Oldenbourg Verlag GmbH, 8 Munchen 80, Rosenheimer Strasse 145, Germany

Elektr. Masch. (Germany) – (ELMCAJ)
Elektrische Maschinen Huthig & Pflaum Verlag GmbH & Co., 69 Heidelberg 1, Wilckenstrasse 3-5, Germany

Elektr. Muehendisligi (Turkey) – (ELMMBG)
Elektrik Muhendisligi Elektrik Muhendisleri Odasi, Ihlamur sokak, 10/1, Yenisehir, Ankara, Turkey

Elektr. Stantsii (USSR) – (EKSTAP)
Elektricheskie Stantsii Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR [English translation in: *Sov. Power Eng. (USA)*]

Elektrichestvo (USSR) – (ELEKA3)
Elektrichestvo Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR [English translations of selected articles in:*Electr. Technol. USSR (GB)*]

Elektrie (Germany) – (EKTRAO)
Elektrie Kammer der Technik, Fachverband Elektrotechnik Publication address: VEB Verlag Technik, Oranienburger Strasse 13-14, Berlin 102, Germany

Elektrizitaetsverwertung (Switzerland) – (EKZVAW)
Elektrizitatsverwertung (L'Electrique -Electrical Service) Elektrowirtschaft, Victoriahaus, Bahnhofplatz 9, Postfach 2272, 8023 Zurich, Switzerland

Elektrizitaetswirtschaft (Germany) – (EKZWAZ)
Elektrizitatswirtschaft VDEW, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany

Elektro (Norway) – (EEROAV)
Elektro Ingeniorsforlaget A/S, Ingeniorenes Hus, Kronprinsensgt. 17, Boks 2476, Oslo 2, Norway

Elektro Prom.-st. & Priborostr. (Bulgaria) – (ELPBAV)
Elektro Promishlenost i Priborostroene Poshcenska Kutiya 98, UL 'Ivan Vazov 16, Sofiya 1080, Bulgaria

Elektro-Anz. (Germany) – (EKANAJ)
Elektro-Anzeiger W. Girardet, 43 Essen, Giradetstrasse 2-38, Postfach 9, Germany

Elektrokhimiya (USSR) – (ELKKAX)
Elektrokhimiya Institut-Elektrokhimii. Akademiya Nauk SSSR, Moskva-V71, Leninskii Prospekt 31, USSR [English translation in: *Sov. Electrochem. (USA)*]

Elektromeister & Dtsch. Elektrohandwerk (Germany) – (EMDEAL)
Elektromeister & Deutsches Elektrohandwerk Huthig & Pflaum Verlag, 8 Munchen 19, Lazarettstrasse 4, Germany

Elektron Int. (Austria) – (EKITA9)
Das Elektron International 'Elektron'-Verlag, Postfach 156, A-4010 Linz-Donau, Austria

Elektron. Anz. (Germany) – (EANZAG)
Elektronik Anzeiger Verlag W Girardet, 43 Essen 1, Girardetstrasse 2-38, Postfach 9, Germany

Elektron. Entwickl. (Germany) – (ELEEDM)
Elektronik Entwicklung Formerly: *Bauelem. Elektrotech. (Germany)* Verlag fur Technik und Wirtschaft Meynen KG, Postfach 5769, D-6200 Wiesbaden, Germany

Elektron. Heute (Germany) – (ELHED3)
Elektronik Heute Kontron Elektronik GmbH, 8057 Eching bei Munchen, Breslauer Strasse 2, Germany

Elektron. Ind. (Germany) – (EKIDAT)
Elektronik Industrie Elektro-Welt Verlag DR. Huthig, 6900 Heidelberg 1, Wilckensstrasse 3-5, Postfach 102869, Germany

Elektron. Informationsverarb. Kybern. (Germany) – (EIVKAX)
Elektronische Informationsverarbeitung und Kybernetik (EIK) Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany

Elektron. J. (Germany) – (EKTJAY)
Elektronik Journal Europa Fachpresse Verlag GmbH, 8 Munchen 40, Leopoldstrasse 175, Germany

Elektron. Obrab. Mater. (USSR) – (EOBMAF)
Elektronnaya Obrabotka Materialov Academy of Sciences of the Moldavian SSR, Agent: Mezhdunarodnaya Kniga, Moskva G 200, USSR [English translation in: *Electrochem. Ind. Process. & Biol. (GB)*]

Elektron. Prax. (Germany) – (EKPXAM)
Elektronik Praxis Vogel-Verlag KG, Max Plank-Strasse 7/9, 8700-Wurzburg, Germany

Elektron. Rechenanlagen (Germany) – (ELRAA4)
Elektronische Rechenanlagen R. Oldenbourg Verlag GmbH, 8 Munchen 80, Rosenheimerstrasse 145, Germany

Elektron. Tekh. Ser. 12 (USSR) – (ETUKA3)
Elektronnaya Tekhnika. Seriya 12 Ministerstvo Elektronnoy Promishlennosti SSSR, Institut 'Elektronika', Moskva, USSR

Elektronik (Denmark) – (ELKOAB)
Elektronik Teknisk Forlag A/S, Skelbaekgade 4, 1717 Kobenhavn V, Denmark

Elektronik (Germany) – (EKRKAR)
Elektronik Franzis-Verlag GmbH, 8 Munchen 37, Postfach 3701 20, Karlstrasse 37, Germany

Elektronika (Poland) – (EKNTBZ)
Elektronika Editorial address: Al. Swierczewskiego, 95/99, M. 43, III p., 00-144, Warszawa, Poland

Elektroniker (Switzerland) – (ELKRBL)
Der Elektroniker Aargauer Tagblatt AG, 5001 Aarau, Switzerland

Elektronikschau (Austria) – (ELTRDY)
Elektronikschau Technisher Verlag Erb Ges. m.b.H., A-1061 Wien 6, Mariahilfer Strasse 71, Postfach 101, Austria

Elektroprivreda (Yugoslavia) – (EKPVAG)
Elektroprivreda Yugoslav Electricity Union and the Association of Yugoslav Electrical Industry. Editorial address: Balkanska 13-15, Beograd, Yugoslavia

Elektrosvyaz (USSR) – (EKVZAO)
Elektrosvyaz Ministerstvo svyazi SSR, USSR [English translation in: *Telecommun. & Radio Eng. Part 1 (USA)*]

Elektrotech. & Maschinenbau (EuM) (Austria) – (EKMBA9)
Elektrotechnik und Maschinenbau Springer Verlag, 1A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

Elektrotech. Cas. (Czechoslovakia) – (ELKCA9)
Elektrotechnicky Casopis 89530 Bratislava, Klemensova 19, Czechoslovakia

Elektrotech. Obz. (Czechoslovakia) – (EKOBAJ)
Elektrotechnicky Obzor SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Elektrotech. Z. ETZ (Germany) – (EELZD3)
Elektrotechnische Zeitschrift ETZ VDE-Verlag GmbH, Bismarkstrasse 33, D-1000 Berlin 12, Germany

Elektrotech. Z. ETZ A (Germany) – (EKZAA3)
Elektrotechnische Zeitschrift ETZ A Verband Deutscher Elektrotechniker VDE Verlag, 1000 Berlin 12, Bismarkstrasse 33, Germany. Journal merged with Part B to form Elektrotech. Z. ETZ (Germany)

Elektrotech. Z. ETZ B (Germany) – (EKZBA6)
Elektrotechnische Zeitschrift ETZ B Verband Deutscher Elektrotechniker Publication address: VDE-Verlag, Bismarckstrasse 33, 1000 Berlin 12, Germany. Journal merged with Part A to form Elektrotech. Z. ETZ (Germany)

Elektrotechniek (Netherlands) – (ELTKAA)
Elektrotechniek Eendrachtstraat 2, Postbus 6, 7940 AA Meppel, Netherlands

Elektrotechnik (Czechoslovakia) – (EKTRBP)
Elektrotechnik SNTL, 111302 Praha 1, Spalena ul. 51, Czechoslovakia

Elektrotechnik (Germany) – (EKTCBE)
Elektrotechnik Vogel-Verlag KG, Max-Planck-Strasse 7-9, 8700 Wurzburg, Germany

Elektrotechnik (Switzerland) – (EKTKD6)
Elektrotechnik Verlags-Aktiengesellschaft, verlag "Elektrotechnik", Apfelhausenweg 14, Postfach 68, 5001 Aarau, Switzerland

Elektrotechnika (Hungary) – (EKTTAU)
Elektrotechnika Kultura, H-1389 Budapest, P.O. Box 149, Hungary

Elektroteh. Vestn. (Yugoslavia) – (ELVEA2)
Elektrotehniski Vestnik Editorial address: YU-61001 Ljubljana, P.O. Box 92 - II, Trzaska 25, Yugoslavia

Elektrotehnika, Zagreb (Yugoslavia) – (ELTHB2)
Elektrotehnika Elektrotechnicko Drustvo Hrvatske, Zagreb, Bevislavicerva 6, Ikat, Soba br. 20, Yugoslavia

Elektrotekhnika (USSR) – (ELKTAQ)
Elektrotekhnika Izdatel'stvo 'Energiya', 113114 Moskva, M-114 Shlyuzovaya Nab., 10, USSR [English translation in: *Sov. Electr. Eng. (USA)*]

Elektrowaerme Int. Ed. B (Germany) – (ELWIBK)
Elektrowarme International, Edition B Vulkan-Verlag Dr. W. Classen Nachf. GmbH & Co. KG, D43 Essen, Haus der Technik, Postfach 7049, Germany

Elektrowaerme Prax. (Germany)
Elektrowarme Praxis Vulkan-Verlag Dr. W. Classen, 43 Essen, Haus der Technik, Postfach 7049, Germany

Elettrificazione (Italy) – (ELTZAL)
Elettrificazione Editoriale Delfino, Via S. d'Orsenigo 25, 20135 Milano, Italy

Elettron. & Telecomun. (Italy) – (ETTCB9)
Elettronica e Telecomunicazioni Via Arsenale 41, 10121 Torino, Italy

Elettron. Oggi (Italy) – (ELOGDA)
Elettronica Oggi Jackson Italiana Editrice S.r.l., P. Le Massari, 22, 20125 Milano, Italy

Elettrotecnica (Italy) – (ETRTAF)
Elettrotecnica Ufficio Centrale AEI, Viale Monza 259, 20126 Milano, Italy

Elin-Z. (Austria) – (ELNZAP)
Elin-Zeitschrift Elin Union, A-1141 Wien XIV, Penzinger Strasse 76, Austria

Eltek. Aktuell Elektron. (Sweden) – (ETAEBM)
Elteknik med Aktuell Elektronik Formerly: *Eltek. Aktuell Elektron. A (Sweden)* Ingenjorsforlaget AB, Box 27315, 102 54 Stockholm, Sweden

Eltek. Aktuell Elektron. A (Sweden) – (ETAEBM)
Elteknik med Aktuell Elektronik Edition A Title changed to: *Eltek. Aktuell Elektron. (Sweden)*

Endeavour New Ser. (GB) – (ENDEAS)
Endeavour, New Series Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Energ. & Atomtech. (Hungary) – (ENATAO)
Energia es Atomtechnika Kiadja a Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary

Energ. Elettr. (Italy) – (ENELAK)
Energia Elettrica via Rubattino 54, 20134 Milano, Italy

Energ. Fluide (France) – (ENFLAP)
Energie Fluide Compagnie Francais d'Editions, 40, rue Colisee, 75381 Paris Cedex 08, France

Energetica (Rumania) – (EGTAAD)
Energetica Editorial address: Bucuresti, Bd. Energeticienilor 8 Sectorul 4, Rumania

Energetik (USSR) – (EGTKA9)
Energetik Editorial address: 109068 Moskva, Ul. Avtozavodskaya, 14/23, USSR

Energetika (Czechoslovakia) – (EGKAA2)
Energetika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Energetyka (Poland) – (EGYAA4)
Energetyka Subscription Address: Wydawnictwo NOT, UL. Mazowieckiej 12, 00-048 Warszawa, Poland

Energia Nuclear (Spain) – (ENNCA4)
Energia Nuclear Junta de Energia Nuclear, Avda. Complutense 22, Ciudad Universitaria, Madrid-3, Spain

Energia Nucleare (Italy) – (ENNLAV)
Energia Nucleare Casella Postale 3986, 20100 Milano, Italy

Energie (Belgium) – (ENERB5)
Energie Association des Centrales Electrique industrielles de Belgique, Sq. Marie-Louise 49, 1040 Bruxelles, Belgium

Energie (Germany) – (ENERA4)
Energie Technischer Verlag Resch KG, 8032 Grafelfing, Postfach 1129, Germany

Energieanwendung (Germany) – (EANWA7)
Energieanwendung VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

Energiespectrum (Netherlands) – (NRGSDB)
Energiespectrum Energieonderzoek Centrum Nederland, Scheveningseweg 112, Den Haag, Netherlands

Energietechnik (Germany) – (ETNKA2)
Energietechnik VEB Deutscher Verlag fur Grundstoffindustrie, Karl-Heine-Strasse 27, 7031 Leipzig, Germany

Energiewirtsch. Tagesfragen (Germany) – (EWTFA4)
Energiewirtschaftliche Tagesfragen Energiewirtschaft und Technik Verlagsgesellschaft mbH, 8032 Grafelfing, Postfach 1229, Germany

Energija (Yugoslavia) – (ENJAAC)
Energija Zagreb, Ulica Proletenskih Brigada 37, Post pretinae 293, Yugoslavia

Energopomiar (Poland) – (EBNZAN)
Energopomiar, Biuletyn Nakowa-Techniczny Zakladu Baden i Pomiarow Issued with: *Energetyka (Poland)*

Energy (GB) – (ENEYDS)
Energy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Energy Commun. (USA) – (ENCODM)
Energy Communications Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Energy Convers. (GB) – (ENERB5)
Energy Conversion Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Energy Dev. (Germany)
Energy Developments Technischer Verlag Resch KG, Postfach 1129, D-8032 Grafelfing/Munchen, Germany

Energy Int. (USA) – (ENEIBC)
Energy International Miller Freeman Publications, 500 Howard Street, San Francisco, CA 94105, USA

Energy Policy (GB) – (ENPYAC)
Energy Policy IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Energy Sources (USA) – (EGYSAO)
Energy Sources Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Energy Syst. & Policy (USA) – (ESYPBW)
Energy Systems and Policy Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Eng. Cybern. (USA) – (ENCYAF)
Engineering Cybernetics [Translation of: *Tekh. Kibern. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA

Eng. Dig. (GB) – (ENDGAY)
Engineers' Digest 120 Wigmore Street, London, W1 1YZ, England

Eng. Econ. (USA) – (ENECAR)
Engineering Economist American Society for Engineering Education, Engineering Education Division, 300 West Chestnut Street, Ephrata, PA 17522, USA

Eng. Fract. Mech. (GB) – (EFMEAH)
Engineering Fracture Mechanics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Eng. J. (Canada) – (ENJOAK)
Engineering Journal Engineering Institute of Canada, 700 EIC Building, 2050 Mansfield Street, Montreal 110, Quebec H3A 1Y9, Canada

Eng. Mater. & Des. (GB) – (EMTDAU)
Engineering Materials & Design IPC Industrial Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Eng. Med. (GB) – (EGMDAL)
Engineering in Medicine Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1H 9JJ, England

Eng. Optimization (GB) – (EGOPAX)
Engineering Optimization Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Engineer (GB) – (ENGIAL)
Engineer Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

Entropie (France) – (ENTPA5)
Entropie Editions Bartheye & Co., 54 avenue Marceau, F-75008 Paris, France

Environ. & Exp. Bot. (GB) – (EEBODM)
Environmental and Experimental Botany Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Environ. Sci. & Technol. (USA) – (ESTHAG)
Environmental Science and Technology American Chemical Society, 1155 16th Street, N.W., Washington, DC 20036, USA

EOQC Qual. (Switzerland) – (EOQUDF)
EOQC Quality EOQC Secretariat, c/o ATAG, Department of Information and Technical Associations , P.O. Box 2613, CH-3001 Berne, Switzerland

EOS Trans. Am. Geophys. Union (USA) – (EOSTAJ)
EOS Transactions of the American Geophysical Union 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Equip. Ind. Achats & Entretien (France) – (EIAEDF)
Equipement Industriel Achats et Entretien Les Nouvelles du Monde, 13 rue de Liege, 75009 Paris, France

ERA (Sweden) – (ERAFAA)
ERA Foreningen for Elektricitetens Rationella Anvandning. Norrtullsgatan 6, Box 6405, 113 82 Stockholm, Sweden

Ercole Marelli (Italy)
Ercole Marelli Formerly: *Marelli (Italy)* 20121 Milano, via Borgonuovo 24, Italy

Ericsson Rev. (Sweden) – (ERREAO)
Ericsson Review LM Ericsson, S-12625 Stockholm 32, Sweden

Ericsson Tech. (Sweden) – (ERITAO)
Ericsson Technics L.M. Ericsson, S-126 25 Stockholm, Sweden

ESA Bull. (France)
ESA Bulletin ESA Space Documentation Service, 8-10 rue Mario Nikis, 75738 Paris Cedex 15, France

ESA J. (Netherlands) – (ESAJDW)
ESA Journal ESA Scientific & Technical Information Branch, ESTEC, Noordwijk, Netherlands

Escher Wyss News (Switzerland) – (ESWNAF)
Escher Wyss News Escher Wyss Ltd., RA914, Postfach, CH-8023 Zurich, Switzerland

ETA Elektrowaerme Tech. Ausbau Ed. A (Germany) – (EETAD2)
ETA Elektrowarme im Technischen Ausbau Edition A Vulkan-Verlag Dr W. Classen Nachf. GmbH & Co. KG, D 43 Essen 1, Haus der Technik, Postfach 7049, Germany

ETZ Arch. (Germany) – (ETZADZ)
ETZ Archiv VDE-Verlag GmbH, Bismarckstrasse 33, D-1000 Berlin 12, Germany

Eur. J. Eng. Educ. (Netherlands)
European Journal of Engineering Education Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Eur. J. Nucl. Med. (Germany) – (EJNMD9)
European Journal of Nuclear Medicine Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Eur. J. Oper. Res. (Netherlands) – (EJORDT)
European Journal of Operational Research North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, Netherlands

Eur. J. Sci. Educ. (GB) – (EJSEDA)
European Journal of Science Education Taylor & Francis Ltd., 10-14 Macklin Street, London WC2 5NF, England

Eur. Polym. J. (GB) – (EUPJAG)
European Polymer Journal Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Euromicro J. (Netherlands) – (EUNEDS)
Euromicro Journal North-Holland Publishing Co., P.O. Box 211 1000 AE Amsterdam, Netherlands

Euromicro Newsl. (France) – (EUNEDS)
Euromicro Newsletter European Association for Microprocessing and Microprogramming, BP 233, 60206 Compiegne, France. North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Eval. Eng. (USA) – (EVENAE)
Evaluation Engineering A. Verner Nelson Associates, Nelson Building, 1282 Old Skokie Road, Highland Park, IL 60035, USA

EX Mag. (Germany) – (EXMADW)
EX Magazine R. Stahl GmbH & Co., P.O. Box 210, Bergstrasse 2, D-7118 Kunzelsau, Germany

Executive Eng. (GB) – (EXENDV)
Executive Engineer Association of Supervisory and Executive Engineers, Wix Hill House, West Horsley, Surrey KT24 6DZ, England. Inhouse Publications Ltd., 24 Eastern Road, Romford, Essex

Exp. Mech. (USA) – (EXMCAZ)
Experimental Mechanics Society for Experimental Stress Analysis, 21 Bridge Street, P.O. Box 277, Sangatuck Sta., Westport, CT 06880, USA

Exp. Tech. Phys. (Germany) – (EXPPAL)
Experimentelle Technik der Physik VEB Deutscher Verlag der Wissenschaften, 108 Berlin, Johannes-Dieckmann Strasse 10, Germany

Fastening (GB) – (FASTD3)
Fastening Business Publications Ltd., 109-199 Waterloo Road, London SE1 8UL, England

Fatigue Eng. Mater. & Struct. (GB) – (FMSTDJ)
Fatigue of Engineering Materials and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Feingeraetetechnik (Germany) – (FGRTA3)
Feingeratetechnik VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

Feinwerktech. & Messtech. (Germany) – (FEMEDO)
Feinwerktechnik & Messtechnik Carl Hanser Verlag, D-8000 Munchen 80, Kolbergerstrasse 22, Germany. Incorporating Feinwerktech. & Micronic (Germany) and Messtechnik (Germany)

Fernmelde-Ing. (Germany) – (FINGAQ)
Fernmelde-Ingenieur Verlag fur Wissenschaft und Leben, Georg Heidecker, Kulsheimer Strasse 11, 8532 Bad Windsheim, Germany

Fernmelde-Praxis (Germany) – (FEPXAP)
Fernmelde-Praxis Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1000 Berlin 61, Germany

Fernmeldetechnik (Germany) – (FERNB6)
Fernmeldetechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

Fernseh- & Kino-Tech. (Germany) – (FNKTAH)
Fernseh- und Kino-Technik Huthig und Pflaum Verlag, 8000 Munchen 2, Postfach 201920, Germany

Fernwaerme Int. (Germany) – (FRWMAG)
Fernwarme International 6000 Frankfurt (Main) 70, Stresemannallee 23, Germany

Ferroelectrics (GB) – (FEROA8)
Ferroelectrics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Fertigungstech. & Betr. (Germany) – (FTGBAJ)
Fertigungstechnik und Betrieb VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

Fiber & Intergrated Opt. (USA) – (FOIOD2)
Fiber and Integrated Optics Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Fields & Quanta (GB) – (FDQTAB)
Fields and Quanta Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2 4DE, England

Finish. Ind. (GB) – (FIINDP)
Finishing Industries Wheatland Journals Ltd., 157 Hagden Lane, Watford WD1 8LW, England

Finommech.-Mikrotech. (Hungary) – (FNMKAY)
Finommechanika-Mikrotechnika Lapkiado Vallalat, 1073 Budapest 7, Lenin Korut 9-11, Hungary

Fis. & Tecnol. (Italy) – (FITEDJ)
Fisica e Tecnologia Societa Italiana di Fisica, Via Loderingo Degli Andalo 2, 40124 Bologna, Italy

Fiz. & Khim. Obrab. Mater. (USSR) – (FKOMAT)
Fizika i Khimiya Obrabotki Materialov Izdatel'stvo 'Nauka' 103717 GSP Moskva, K-62, Podsosenskii Per., 21, USSR

Fiz. & Khim. Stekla (USSR) – (FKSTD5)
Fizika i Khimiya Stekla Izdatel'stvo 'Nauka', Leningradskoe Otdelenie 199164 Leningrad, V-164, Mendeleevskaya Liniya 1, USSR [English translation in: *Sov. J. Glass Phys. & Chem. (USA)*]

Fiz. & Tekh. Poluprovodn. (USSR) – (FTPPA4)
Fizika i Tekhnika Poluprovodnikov Publisher: Academy of Sciences of the USSR, 'Nauka' Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Semicond. (USA)*]

Fiz. Elem. Chastits & At. Yadra (USSR) – (FECAAR)
Fizika Elementarnykh Chastits i Atomnogo Yadra 103031 Moskva K31, Ul. Zhlanova 5, USSR [English translation in: *Sov. J. Part. & Nucl. (USA)*]

Fiz. Goreniya & Vzryva (USSR) – (FGVZA7)
Fizika Goreniya i Vzryva Publication House 'Nauka', Siberian Division, Novosibirsk, USSR [English translation in: *Combust., Explos. & Shock Waves (USA)*]

Fiz. Met. & Metalloved. (USSR) – (FMMTAK)
Fizika Metallov i Metallovedenie Izdatel'stvo Akademii Nauk SSSR, Sverdlovsk, USSR [English translation in: *Phys. Met. & Metallogr. (GB)*]

Fiz. Nizk. Temp. (USSR) – (FNTEDK)
Fizika Nizkikh Temperatur Izdatel'stvo "Naukova Dumka", 252601 Kiev, Repina 3, USSR [English translation in: *Sov. J. Low Temp. Phys. (USA)*]

Fiz. Plazmy (USSR) – (FIPLDK)
Fizika Plazmy Izdatel stvo Nauka', 103717 Moskva, K-62 Podsosenskii 21, USSR [English translation in: *Sov. J. Plasma Phys. (USA)*]

Fiz. Sz. (Hungary) – (FISZA6)
Fizikai Szemle Kiadja a Lapkiado Vallalat, Budapest VII, Lenin korut 9-11, Hungary

Fiz. Tverd. Tela (USSR) – (FTVTAC)
Fizika Tverdogo Tela Academy of Sciences Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Solid State (USA)*]

Fiz.-Khim. Mekh. Mater. (USSR) – (FKMMAJ)
Fiziko-Khimicheskaya Mekhanika Materialov Izdatel'stvo 'Naukova Dumka', 252601 Kiev, Repina 3, USSR [English translation in: *Sov. Mater. Sci. (USA)*]

Fizika (Yugoslavia) – (FZKAAA)
Fizika Mladost Export-Import, 41000 Zagreb, Ilica 30, Yugoslavia

Fluid Apparecch. Idraul. & Pneum. (Italy) – (FAIPB7)
Fluid Apparecchiature Idrauliche e Pneumatiche 20154 Milano, via Mantegna 6, Italy

Fluid Dyn. (USA) – (FLDYAH)
Fluid Dynamics [Translation of: *Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Fluid Mech. - Sov. Res. (USA) – (FMSVAM)
Fluid Mechanics - Soviet Research Scripta Publishing Co., 1511 K Street, N.W., Washington, DC 20005, USA

Fluid Phase Equilibria (Netherlands) – (FPEQDT)
Fluid Phase Equilibria Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Fluid. Q. (USA) – (FLQUA2)
Fluidics Quarterly P.O. Box 2928, Stanford, CA 94305, USA

Foerdern & Heben (Germany) – (FOHBAN)
Fordern und Heben Krausskopf Verlag fur Wirtschaft GmbH, 6500 Mainz, Lessingstrasse 12, Postfach 2760, Germany

Folia Fac. Sci. Nat. Univ. Purkynianae Brunensis Phys. (Czechoslovakia) – (FNPBAM)
Folia Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis, Physica University J.E. Purkyne, 61137 Brno-Kotlarska 2, Czechoslovakia

Forschungsber. Landes Nordrhein-Westfalen (Germany) – (FLNWAR)
Forschungsberichte des Landes Nordrhein-Westfalen Westdeutscher Verlag, Gustav-Stresemann-Ring 12-16, 6200 Weisbaden 1, Germany

Fortschr. Phys. (Germany) – (FPYKA6)
Fortschritte der Physik Akademie-Verlag, DDR-108 Berlin, Leipzigerstrasse 3-4, Germany
Found. Control Eng. (Poland) – (FCENDV)
Foundations of Control Engineering Institute of Control Engineering, Technical University of Poznan, 60-965 Poznan, Poland
Found. Phys. (USA) – (FNDPA4)
Foundations of Physics Plenum Publishing Co., 227 West 17th Street, New York, NY 10011, USA
Fra Fys. Verden (Norway) – (FYVDAX)
Fra Fysikkens Verden Fysisk Institutt, Universitetet i Trondheim, Norges Laererhogskole, 7000 Trondheim, Norway
Freddo (Italy) – (FREDAZ)
Il Freddo Soc. P. E. G., Via Filli Bressan 2, 20126 Milano, Italy
Frequenz (Germany) – (FQNZA3)
Frequenz Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1000 Berlin 61, Germany
Fudan J. (China) – (FTHPDZ)
Fudan Journal Fudan University, Shanghai, People's Republic of China
Fuji Electr. Rev. (Japan) – (FUERBV)
Fuji Electric Review Fuji Electric Co. Ltd., 12-1, 1-chome, Yurakucho, Chiyoda-ku, Tokyo, Japan
Fujikura Tech. Rev. (Japan) – (FKDGAO)
Fujikura Technical Review Fujikura Cable Works Ltd., 5-1, 1-chome Kiba, Koto-ku, Tokyo, Japan
Fujitsu Sci. & Tech. J. (Japan) – (FUSTA4)
Fujitsu Scientific and Technical Journal Fujitsu Ltd., 1015 Kamikodanaka, Nakahara-ku, Kawasaki 211, Kanagawa, Japan
Funct. Photogr. (USA) – (FUPHDO)
Functional Photography Photographic Applications in Science and Technology Inc., 250 Fulton Avenue, Hempstead, NY 11550, USA
Fundam. Cosmic Phys. (GB) – (FNCPAX)
Fundamentals of Cosmic Physics Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
Funk-Fachhaendler (Germany) – (FUFABJ)
Funk-Fachhandler Verlag Neuer Merkur GmbH, 8 Munchen 46, Ingoldstadter Strasse 63A, Postfach 460805, Germany
Funk-Tech. (Germany) – (FUTEAW)
Funk-Technik Huthig & Pflaum Verlag, 69 Heidelberg 1, Postfach 102869, Germany
Funkschau (Germany) – (FUSHA2)
Funkschau Franzis-Verlag GmbH, 8 Munchen 2, Postfach 370120, Karlstrasse 37, Germany
Furukawa Electr. Rev. (Japan) – (FKDJAX)
Furukawa Electric Review Furukawa Electric Co., 6-1 Marunochi, 2-chome, Chiyoda-ku, Tokyo, Japan
Fuzzy Sets & Syst. (Netherlands) – (FSSYD8)
Fuzzy Sets and Systems North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Fys. Tidsskr. (Denmark) – (FYTIA4)
Fysisk Tidsskrift Subscription address: Jul. Gjellerups Boghandel, Solvgade 87, 1307 Kobenhavn, Denmark

Galvanotechnik (Germany) – (GVTKAY)
Galvanotechnik Eugen G. Leuze Verlag, 7968 Saulgau (Wurtt.), Postfach 8, Germany
Gaz. Mat. (Portugal) – (GZMTAK)
Gazeta de Matematica Rue Diaro de Noticias, 134-1°, Lisboa, Portugal
GEC J. Sci. & Technol. (GB) – (GJSTA6)
GEC Journal of Science & Technology General Electric Co. Ltd., 1 Stanhope Gate, London, W1A 1EH, England
GEC Telecommun. (GB) – (GECTAR)
GEC Telecommunications GEC Telecommunications Ltd., P.O. Box 53, Coventry, CV3 1HJ, England
Geliotekhnika (USSR) – (GLOTAY)
Geliotekhnika Academy of Sciences of the Uzbek SSR, Tashkent, USSR [English translation in: *Appl. Sol. Energy (USA)*]
Gen. Relativ. & Gravitation (USA) – (GRGVA8)
General Relativity and Gravitation Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
Geochim. & Cosmochim. Acta (GB) – (GCACAK)
Geochimica et Cosmochimica Acta Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Geoexploration (Netherlands) – (GEOXAV)
Geoexploration Elsevier Scientific Publishing Co., P.O. Box 211 Amsterdam, Netherlands
Geofiz. Koeslemenyek (Hungary) – (GEKOAI)
Geofizikai Koslemenyek Muszaki Konyvkiado, Budapest, Hungary
Geofiz. Sb. (USSR) – (GFSUAF)
Geofizicheskii Sbornik Title changed to: *Geofiz. Zh. (USSR)*
Geofiz. Zh. (USSR)
Geofizicheskii Zhurnal Formerly: *Geofiz. Sb. (USSR)* Izdatel'stvo 'Naukova Dumka', 252601 Kiev GSP, Repina 3, USSR
Geofys. Publ. (Norway) – (GFPBAB)
Geofysiske Publikasjoner Title changed to: *Geophys. Norv. (Norway)*
Geomagn. & Aeron. (USA) – (GMARAX)
Geomagnetism and Aeronomy [Translation of: *Geomagn. & Aeron. (USSR)*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA
Geomagn. & Aeron. (USSR) – (GEAEA6)
Geomagnetizm i Aeronomiya Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Geomagn. & Aeron. (USA)*]
Geomagn. Ser. Earth Phys. Branch (Canada) – (GSGCDT)
Geomagnetic Series, Earth Physics Branch Energy, Mines and Resources Canada, 1 Observatory Crescent, Ottawa K1A OE4, Canada
Geophys. & Astrophys. Fluid Dyn. (GB) – (GAFDD3)
Geophysical and Astrophysical Fluid Dynamics Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DF, England
Geophys. J. R. Astron. Soc. (GB) – (GEOJAN)
Geophysical Journal of the Royal Astronomical Society Burlington House, London, W1V ONL, England
Geophys. Norv. (Norway) – (GPNOAB)
Geophysica Norvegica (Geofysiske Publikasjoner) Formerly: *Geofys. Publ. (Norway)* Universitetsforlaget, P.O. Box 307, Blindern, Oslo 3, Norway
Geophys. Prospect. (Netherlands) – (GPPRAR)
Geophysical Prospecting European Association of Exploration Geophysicists, P.O. Box 162, 2501 AN The Hague, Netherlands
Geophys. Res. Lett. (USA) – (GPRLAJ)
Geophysical Research Letters American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA
Geophys. Surv. (Netherlands) – (GPSVAK)
Geophysical Surveys D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
Geophysics (USA) – (GPYSA7)
Geophysics Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, OK 74101, USA
GEOS (Canada) – (GEOSCI)
GEOS Department of Energy, Mines and Resources, Ottawa, Canada
Geotechnics (Japan) – (CSKGAE)
Geotechnics Geotechnical Research Office, Nippon Geophysical Prospecting Co. Ltd., 2-12, 2-chome, Nakamagome, Ohta-ku, Tokyo 143, Japan
Geothermics (GB) – (GTMCAT)
Geothermics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Gerlands Beitr. Geophys. (Germany) – (BEGOAB)
Gerlands Beitrage zur Geophysik Akademische Verlags-Gesellschaft Geest und Portig KG, Sternwartenstrasse 8, DDR 701 Leipzig 1, Germany
Gidromekhanika (USSR) – (GDMKBA)
Gidromekhanika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
Gidrotekh. Stroit. (USSR) – (GTSTA8)
Gidrotekhnicheskoe Stroitel'stvo Agent: Mezhdunarodnaya Kniga, Moskva, USSR
Glass & Ceram. (USA) – (GLCEAV)
Glass and Ceramics [Translation of: *Steklo & Keram. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Glass (GB) – (GLASAT)
Glass Fuel & Metallurgical Journals Ltd., Queensway House, 2 Queensway, Redhill, Surrey RH1 1QS, England
Glass Technol. (GB) – (GLSTAK)
Glass Technology Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S1o 5BT, England
Gov. Data Syst. (USA) – (GVDSBD)
Government Data Systems United Business Publications Inc., 475 Park Avenue South, New York, NY 10016, USA
Grundig Tech. Inf. (Germany) – (GRTIAY)
Grundig Technische Informationen Grundig Werke GmbH, 8510 Furth (Bayern), Kurgartenstrasse 37, Germany
GTE Autom. Electr. J. (USA) – (GAEJDG)
GTE Automatic Electric Journal GTE Automatic Electric Inc., Northlake IL 60164, USA

Hadronic J. (USA) – (HAJGDX)
Hadronic Journal Hadronic Press Inc., Nonantum, MA 02195, USA
Harvard Bus. Rev. (USA) – (HABRAX)
Harvard Business Review Subscription Service Department, P.O. Box 9730, Greenwich, CI 06835, USA
Hasler Rev. (Switzerland) – (HSLRA5)
Hasler Review Hasler Ltd., Belpstrasse 23, 3000 Berne 14, Switzerland
Health Phys. (GB) – (HLTPAO)
Health Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Heat & Fluid Flow (GB) – (HTFFAE)
Heat and Fluid Flow Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1H 9JJ, England
Heat Transfer - Sov. Res. (USA) – (HTSRAD)
Heat Transfer - Soviet Research Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA
Heat Transfer-Jpn. Res. (USA) – (HTJPAU)
Heat Transfer - Japanese Research Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA
Heat. & Air Cond. J. (GB) – (HACJBF)
Heating and Air Conditioning Journal Troup Publications Ltd., 30 Old Burlington Street, London, W1X 2AE, England
Heat. & Vent. Eng. (GB) – (HVENBE)
Heating and Ventilating Engineer Technitrade Journals Ltd., 886 High Road, London, N12 9SB, England
Helv. Phys. Acta (Switzerland) – (HPACAK)
Helvetica Physica Acta Schweizerische Physikalische Gesellschaft. Publisher: Birkhauser Verlag, Elisabethenstrasse 19, CH-4000 Basel 10, Switzerland
Her. Libr. Sci. (India) – (HLBSAB)
Herald of Library Science C1, Banaras Hindu University, Varanasi-5, India
Hermsdorfer Tech. Mitt. (Germany) – (HTMTAN)
Hermsdorfer Technische Mitteilungen Kombinat VEB Keramische Werke Hermsdorf, Hermsdorf/Thuringen, Germany
Hewlett-Packard J. (USA) – (HPJOAX)
Hewlett-Packard Journal 1501 Page Mill Road, Palo Alto, CA 94304, USA
High Temp. (USA) – (HITEA4)
High Temperature [Translation of: *Teplofiz. Vys. Temp. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
High Temp. Sci. (USA) – (HITSAC)
High Temperature Science Humana Press Inc., P.O. Box 2148, Clifton, NJ 07015, USA
High Temp.-High Pressures (GB) – (HTHPAK)
High Temperatures - High Pressures Pion Ltd., 207 Brondesbury Park, London, NW2 5JN, England
Hiradastech. Ipari Kut. Intez. Koezl. (Hungary) – (HIKKAB)
Hiradastechnikai Ipari Kutato Intezet Kozlemenyei Industrial Research Institute for Electronics 'Hiki', Hungary. Editorial address: Gellert u 12/Vezeto, Budapest IV
Hiradastechnika (Hungary) – (HIRAAG)
Hiradastechnika Lapkaido Vallalat, 1073 Budapest, Lenin Krt 9-11, Hungary
Hitachi Rev. (Japan) – (HITAAQ)
Hitachi Review Ohm-sha Co. Ltd., 1,3-chome, Kanda, Nishiki-cho, Chiyoda-ku, Tokyo 101, Japan
HLH (Heiz. Luftung Klimatech. Haustech.) (Germany) – (HLHZAS)
HLH (Heizung Luftung Klimatechnik Haustechnik) VDI Verlag GmbH, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany
Holecpost (Netherlands) – (HOLEB7)
Holecpost Holec NV, Postbus 23, Hengelo, Netherlands

Hong Kong Eng. – (HKOEDU)
Hong Kong Engineer Asia Trade Journals Ltd., 7th Floor, Sincere Insurance Building, 4-6 Henessy Road, Hong Kong, Hong Kong
Hosp. Eng. (GB) – (HSEGA5)
Hospital Engineering Institute of Hospital Engineering, 20 Landsport Terrace, Southsea, Hants. PO1 2RG, England
Hosp. Financ. Manage. (USA) – (HFIMAK)
Hospital Financial Management Room 245, 666 North Lake Shore Drive, Chicago, IL 60611, USA
Houille Blanche (France) – (HOBLAB)
La Houille Blanche 5 Chemin de Marroniers, B.P. 264, F 38008 Grenoble Cedex, France
Houston J. Math. (USA) – (HJMADZ)
Houston Journal of Mathematics University of Houston, Department of Mathematics, Houston, TX 77004, USA
Hum. Factors (USA) – (HUFAA6)
Human Factors Human Factors Society Inc., P.O. Box 1369, Santa Monica, CA 90406, USA
Hung. Heavy Ind. (Hungary) – (HUHIA6)
Hungarian Heavy Industries Title changed to: *Hung. Mach. (Hungary)*
Hung. Mach. (Hungary) – (HMACD2)
Hungarian Machinery Formerly: *Hung. Heavy Ind. (Hungary)* Hungarian Chamber of Commerce, H-1073 Budapest, Lenin krt. 9/11, Hungary
Hydraul. & Pneum. (USA) – (HYDPAZ)
Hydraulics and Pneumatics Industrial Publishing Co., 614 Superior Avenue West, Cleveland, OH 44113, USA
Hydraul. Pneum. Mech. Power (GB) – (HPMPDK)
Hydraulic Pneumatic Mechnanical Power Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW, England
Hyperfine Interactions (Netherlands) – (HYINDN)
Hyperfine Interactions North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

I.A.U. Circ. (USA) – (IANUAB)
International Astronomical Union Circular IAU Central Telegram Bureau, Smithsonian Observatory, Cambridge, MA 02138, USA
IATUL Proc. (Sweden) – (IATPAQ)
IATUL Proceedings Chalmers University of Technology Library, Goteborg, Sweden
IBA Tech. Rev. (GB) – (IBARBD)
IBA Technical Review Independent Broadcasting Authority, 70 Brompton Road, London, SW3 1EY, England
IBM J. Res. & Dev. (USA) – (IBMJAE)
IBM Journal of Research and Development International Business Machines Corporation, Armonk, New York, NY 10504, USA
IBM Nachr. (Germany) – (IBMNAQ)
IBM Nachrichten IBM Deutschland GmbH, 7000 Stuttgart 80, Postfach 800880, Germany
IBM Syst. J. (USA) – (IBMSA7)
IBM Systems Journal International Business Machines Corporation, Armonk, New York, NY 10504, USA
IBM Tech. Disclosure Bull. (USA) – (IBMTAA)
IBM Technical Disclosure Bulletin International Business Machines Co., Armonk, New York, NY 10504, USA
Icarus (USA) – (ICRSA5)
Icarus Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
ICL Tech. J. (GB) – (ITJOD7)
ICL Technical Journal Published for International Cpmputers Ltd. by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
IEC Bull. (Switzerland) – (IEBUAD)
IEC Bulletin International Electrotechnical Commission, 1 rue de Varembe, 1211 Geneva 20, Switzerland
IEE J. Comput. & Digital Tech. (GB) – (IJCTDJ)
IEE Journal on Computers and Digital Techniques Institution of Electrical Engineers, Publishing Department, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
IEE J. Electr. Power Appl. (GB) – (IJEADG)
IEE journal on Electric Power Applications Institution of Electrical Engineers, Publishing Department, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
IEE J. Electron. Circuits & Syst. (GB) – (IECSDF)
IEE Journal on Electronic Circuits and Systems Institution of Electrical Engineers, Publishing Department, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
IEE J. Microwaves, Opt. & Acoust. (GB) – (IJMADC)
IEE Journal on Microwaves, Optics and Acoustics Institution of Electrical Engineers, Publishing Department, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
IEE J. Solid-State & Electron Devices (GB) – (IJSDDH)
IEE Journal on Solid-State and Electron Devices Institution of Electrical Engineers, Publishing Department, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
IEE Rev. (GB) – (IERWAV)
IEE Reviews Institution of Electrical Engineers, Savoy Place, London, WC2R OBL, England
IEE-IERE Proc. India (GB) – (IIPIB8)
I.E.E.-I.E.R.E. Proceedings - India Institution of Electrical Engineers, Savoy Place, London, WC2R OBL, England. Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London, WC1B 3RG
IEEE Circuits & Syst. Mag. (USA) – (ICSYDV)
IEEE Circuits and Systems Magazine Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Commun. Mag. (USA) – (ICOMD9)
IEEE Communications Magazine Formerly: *IEEE Commun. Soc. Mag. (USA)* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Commun. Soc. Mag. (USA) – (ICSMDT)
IEEE Communications Society Magazine Title changed to: *IEEE Commun. Mag. (USA)*
IEEE J. Oceanic Eng. (USA) – (IJOEDY)
IEEE Journal of Oceanic Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE J. Quantum Electron. (USA) – (IEJQA7)
IEEE Journal of Quantum Electronics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE J. Solid-State Circuits (USA) – (IJSCBC)
IEEE Journal of Solid-State Circuits Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Spectrum (USA) – (IEESAM)
IEEE Spectrum Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Acoust., Speech & Signal Process. (USA) – (IETABA)
IEEE Transactions on Acoustics, Speech and Signal Processing Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Aerosp. & Electron. Syst. (USA) – (IEARAX)
IEEE Transactions on Aerospace and Electronic Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Antennas & Propag. (USA) – (IETPAK)
IEEE Transactions on Antennas and Propagation Institute of Electrical and Electronics Engineers 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Autom. Control (USA) – (IETAA9)
IEEE Transactions on Automatic Control Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Biomed. Eng. (USA) – (IEBEAX)
IEEE Transactions on Biomedical Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Broadcast. (USA) – (IETBAC)
IEEE Transactions on Broadcasting Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Cable Telev. (USA) – (ITCTDL)
IEEE Transactions on Cable Television Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Circuits & Syst. (USA) – (ICSYBT)
IEEE Transactions on Circuits and Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Commun. (USA) – (IECMBT)
IEEE Transactions on Communications Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Components, Hybrids & Manuf. Technol. (USA) – (ITTEDR)
IEEE Transactions on Components, Hybrids, and Manufacturing Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Comput. (USA) – (ITCOB4)
IEEE Transactions on Computers Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Consum. Electron. (USA) – (ITCEDA)
IEEE Transactions on Consumer Electronics Formerly: *IEEE Trans Broadcast & Telev. Receivers (USA)* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Educ. (USA) – (IEEDAB)
IEEE Transactions on Education Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Electr. Insul. (USA) – (IETIAX)
IEEE Transactions on Electrical Insulation Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Electromagn. Compat. (USA) – (IEMCAE)
IEEE Transactions on Electromagnetic Compatibility Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Electron Devices (USA) – (IETDAI)
IEEE Transactions on Electron Devices Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Eng. Manage. (USA) – (IEEMA4)
IEEE Transactions on Engineering Management Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Geosci. Electron. (USA) – (IEGEAO)
IEEE Transactions on Geoscience Electronics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Ind. Appl. (USA) – (ITIACR)
IEEE Transactions on Industry Applications Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Ind. Electron. & Control Instrum. (USA) – (IICIAA)
IEEE Transactions on Industrial Electronics and Control Instrumentation Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Inf. Theory (USA) – (IETTAW)
IEEE Transactions on Information Theory Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Instrum. & Meas. (USA) – (IEIMAO)
IEEE Transactions on Instrumentation and Measurement Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Magn. (USA) – (IEMGAQ)
IEEE Transactions on Magnetics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Manuf. Technol. (USA) – (IETMBC)
IEEE Transactions on Manufacturing Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA. Journal merged with IEEE Trans. Parts, Hybrids & Packag. (USA) to form IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)
IEEE Trans. Microwave Theory & Tech. (USA) – (IETMAB)
IEEE Transactions on Microwave Theory and Techniques Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Nucl. Sci. (USA) – (IETNAE)
IEEE Transactions on Nuclear Science Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Parts, Hybrids & Packag. (USA) – (IEPHAA)
IEEE Transactions on Parts, Hybrids and Packaging Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA. Journal merged with IEEE Trans Manuf. Technol. (USA) to form IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)
IEEE Trans. Pattern Anal. & Mach. Intell. (USA) – (ITPIDJ)
IEEE Transactions on Pattern Analysis and Machine Intelligence Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
IEEE Trans. Plasma Sci. (USA) – (ITPSBD)
IEEE Transactions on Plasma Science Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Power Appar. & Syst. (USA) – (IEPSA9)
IEEE Transactions on Power Apparatus and Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Prof. Commun. (USA) – (IEPCBU)
IEEE Transactions on Professional Communications Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Reliab. (USA) – (IERQAD)
IEEE Transactions on Reliability Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Software Eng. (USA) – (IESEDJ)
IEEE Transactions on Software Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Sonics & Ultrason. (USA) – (IESUAU)
IEEE Transactions on Sonics and Ultrasonics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Syst., Man & Cybern. (USA) – (ISYMAW)
IEEE Transactions on Systems, Man and Cybernetics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Veh. Technol. (USA) – (ITVTAB)
IEEE Transactions on Vehicular Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IES Light. Rev. (Australia) – (IELRBL)
IES Lighting Review Thomson Publications (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

Image Technol. (USA) – (IMTEA9)
Image Technology Graphics Management Corp., 1101 Sixteenth Street, N.W., Washington, DC 20036, USA

IMC J. (USA) – (IMGCB7)
IMC Journal International Micrographic Congress, P.O. Box 22440, San Diego, CA 92122, USA

Incremental Motion Control Syst. Devices Newsl. (USA) – (IMCNBK)
Incremental Motion Control Systems and Devices Newsletter University of Illinois, Urbana, IL 61801, USA

Ind. & Eng. Chem., Fundam. (USA) – (IECFA7)
Industrial and Engineering Chemistry, Fundamentals American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. & Eng. Chem., Process Des. & Dev. (USA) – (IEPDAW)
Industrial and Engineering Chemistry, Process Design and Development American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. & Eng. Chem., Prod. Res. & Dev. (USA) – (IEPRA6)
Industrial and Engineering Chemistry, Product Research and Development American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. At. & Spat. (France) – (IAQSBL)
Industries Atomiques & Spatiales SERTNA S.A., 29 avenue R. Poincare, Paris 16, France

Ind. Eng. (USA) – (IDLEB9)
Industrial Engineering American Institute of Industrial Engineers, 25 Technology Park/Atlanta, Norcross, GA 30092, USA

Ind. Equip. Mater. & Serv. (GB) – (IEQMAU)
Industrial Equipment Materials & Services Envoy Journals Ltd., 67 Clerkenwell Road, London, EC1, England

Ind. Lab. (USA) – (INDLAP)
Industrial Laboratory [Translation of: *Zavod. Lab. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Ind. Math. (USA) – (IMTHAI)
Industrial Mathematics Industrial Mathematics Society, P.O. Box 159, Roseville, MI 48066, USA

Ind. Photogr. (USA) – (INPHA5)
Industrial Photography United Business Publications Inc., 475 Park Avenue South, New York, NY 10016, USA

Ind. Res./Dev. (USA) – (IRDEDZ)
Industrial Research/Development Formerly: *Res./Dev. (USA)* Technical Publishing Co., 222 S. Riverside Plaza, Chicago, IL 60606, USA

Ind. Robot (GB) – (IDRBAT)
Industrial Robot IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England

Ind.-Anz. (Germany) – (IANZAQ)
Industrie-Anzeiger Verlag W. Giradet, 43 Essen 1, Girardetstrasse 2-38, Postfach 9, Germany

Indexer (GB) – (IDXRA5)
Indexer Society of Indexers and American Society of Indexers, c/o Barclays Bank Ltd., 1 Pall Mall East, London, SW1Y 5AX, England

Indian & East. Eng. – (IEAEAS)
Indian and Eastern Engineer 'Piramal Mansion', 235 Dr. D. Naoroji Road, Bombay 400001, India

Indian J. Chem. A – (IJOCAP)
Indian Journal of Chemistry Section A (Inorganic, Physical, Theoretical and Analytical) Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India

Indian J. Chem. B – (IJOCAP)
Indian Journal of Chemistry Section B (Organic Including Medicinal) Sales & Distribution Officer, Council of Scientific and Industrial Research, Hillside Road, New Delhi 110012, India

Indian J. Mar. Sci. – (IJMNBF)
Indian Journal of Marine Sciences Council of Scientific & Industrial Research. Editorial address: Publications & Information Directorate, Hillside Road, New Delhi-12, India

Indian J. Meteorol. Hydrol. & Geophys. – (IJMGDU)
Indian Journal of Meteorology Hydrology & Geophysics India Meteorological Department, Publication address: Civil Lines, Delhi 110006, India

Indian J. Phys. Part A – (IJPYAS)
Indian Journal of Physics Part A Indian Association for the Cultivation of Science, 2 & 3 Raja Subodh Chandra Mallik Road, Calcutta 700 032, India

Indian J. Phys. Part B – (IJPYAS)
Indian Journal of Physics Part B Indian Association for the Cultivation of Science, 2 & 3 Raja Subodh Chandra Mallik Road, Calcutta 700032, India

Indian J. Power & River Val. Dev. – (IJPRA7)
Indian Journal of Power and River Valley Development 6-2 Madan Street, Calcutta 700072, India

Indian J. Pure & Appl. Math. – (IJMHAU)
Indian Journal of Pure and Applied Mathematics Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi 110002, India

Indian J. Pure & Appl. Phys. – (IJOPAU)
Indian Journal of Pure and Applied Physics Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India

Indian J. Radio & Space Phys. – (IJRSAK)
Indian Journal of Radio & Space Physics Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India

Indian J. Technol. – (IJOTA8)
Indian Journal of Technology Sales & Distribution Officer, Publications & Information Directorate, Hillside Road, New Delhi 110012, India

Indian J. Theor. Phys. – (IJTPAL)
Indian Journal of Theoretical Physics Institute of Theoretical Physics, Bognan Kutir, 4-1 Mohan Bagan Lane, Calcutta 700004, India

Inf. & Control (USA) – (IFCNA4)
Information and Control Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Inf. & Doc. (France) – (CDIDAQ)
Information et Documentation Association Nationale de la Recherche Technique, 101 Av. Raymond-Poincaré, 75076 Paris, France

Inf. & Gestion (France) – (IFQGAJ)
Informatique et Gestion 41 rue de la Grange-aux-Belles, 75010 Paris, France

Inf. & Manage. (Netherlands) – (IMGTDQ)
Information and Management North-Holland Publoshing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Inf. Bull. Libr. Autom. Syst. Inf. Exch. (Australia) – (IBLEAS)
Information Bulletin of the Library Automated Systems Information Exchange Title changed to: *LASIE (Australia)*

Inf. Disp. (USA) – (INFDAB)
Information Display Society for Information Display, 654 North Sepulveda Boulevard, Los Angeles, CA 90049, USA

Inf. Elektron. (Hungary) – (INFEBF)
Informacio Elektronika Statistikai Kiado Vallalat, Budapest III, Kaszas u. 10-12, Hungary

Inf. Privacy (GB) – (INPRD4)
Information Privacy IPC Science & Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Inf. Process. & Manage. (GB)
Information Processing & Management Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Inf. Process. Lett. (Netherlands) – (IFPLAT)
Information Processing Letters North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Inf. Process. Soc. Jpn. (Joho Shori) (Japan) – (JOSHA4)
Information Processing Society of Japan (Joho Shori) Kikai Shino Building, no. 3-5-8 Shiba-Koen, Minato-ku, Tokyo, Japan

Inf. Rade Koncar (Yugoslavia) – (IRKOAT)
Informacije Rade Koncar Title changed to: *Koncar Strucne Inf. (Yugoslavia)*

Inf. Sciences (USA) – (ISIJBC)
Information Sciences Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Inf. Scientist (GB) – (INFSBN)
Information Scientist Title changed to: *J. Inf. Sci. Princ. & Pract. (Netherlands)*

Inf. Syst. (GB) – (INSYD6)
Information Systems Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

INFOR (Canada) – (INFRCL)
INFOR. Canadian Journal of Operational Research and Information Processing University of Toronto Press, 5201 Dufferin Street, Downsview, Ontario M3H 5T8, Canada

Informatie (Netherlands) – (INFTCR)
Informatie Overboslan 49, Bilthoven, Netherlands

Informatik (Germany) – (IIDWAN)
Informatik Interwerbung, Gesellschaft fur Werbung und Auslandmessen, DDR 104 Berlin, Tucholskystrasse 40, Germany

Informatologia Yugoslavica – (INYUAL)
Informatologia Yugoslavica Univerzitet u Zagreb, Referalni Centaf, Trg. Marsala Tita 3, P.O. Box 327, 41001 Zagreb, Yugoslavia

Informatyka (Poland) – (IFMKBC)
Informatyka Wydawnictwa Czasopism Technicznych Not. ul. Swietokrzyska 14a, 00-950 Warszawa, Skrytka Pocztowa 1004, Poland

Infrared Phys. (GB) – (INFPAD)
Infrared Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Ing. & Tech. Prod. & Gestion (France)
Ingenieurs & Techniciens Production & Gestion 29 rue de Bassano, 75008 Paris, France

Ing. Electr. & Mec. (Venezuela) – (INEMBY)
Ingenieria Electrica y Mecanica Organo de la Associacion Venezolana de Ingenieros Electricos y Mecanicos, Apartado 6255, Caracas, Venezuela

Ing. Mec. & Elecfr. (Mexico) – (IMYEAY)
Ingenieria Mecanica y Electrica Asociacion Mexicana de Ingenieros Mecanicos y Electricistas, Culiacan 115, Mexico 11, D.F, Mexico

Ing.-Arch. (Germany) – (INARAS)
Ingenieur-Archiv Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Ingegnere (Italy) – (IGMIAC)
L'Ingegnere Associazione Nazionale Ingegnerie Architetti Italiani, Piazza Sallusto 24, 00187 Roma, Italy

Ingenieur (Canada) – (INMOAB)
L'Ingenieur a/s Ecole Polytechnique, Case postale 6079, Succursale 'A' Montreal, Quebec H3C 3A7, Canada

Ingenieur (Netherlands) – (INGRAO)
De Ingenieur Koninklijk Institut van Ingenieurs. Editorial address: 23 Prinsessegracht, Den Haag, Netherlands

Inorg. & Nucl. Chem. Lett. (GB) – (INUCAF)
Inorganic and Nuclear Chemistry Letters Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Inorg. Mater. (USA) – (INOMAF)
Inorganic Materials [Translation of: *Izv. Akad. Nauk SSSR Neorg. Mater.*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

INSPEL (Germany) – (INPLBI)
INSPEL. International Journal of Special Libraries International Federation of Library Associations, Special Libraries Section, c/o Dr. Paul Kaegbein, Universitetsbibliothek der Technischen Universitat Berlin, 1 Berlin 12, Germany

Inst. Eng. Aust. Chem. Eng. Aust. (Australia) – (CEAUDD)
Institution of Engineers, Australia Chemical Engineering in Australia Title changed to: *Chem. Eng. Aust. (Australia)*

Inst. Eng. Aust. Civ. Eng. Trans. (Australia) – (CVETBB)
Institution of Engineers, Australia, Civil Engineering Transactions Science House, Gloucester and Essex Streets, Sydney 2000, N.S.W, Australia

Inst. Eng. Aust. Electr. Eng. Trans. (Australia) – (ELETBV)
Institution of Engineers, Australia, Electrical Engineering Transactions National Headquarters, 11, National Circuit, Barton, ACT 2600, Australia

Inst. Eng. Aust. Mech. Eng. Trans. (Australia) – (METSD8)
Institution of Engineers, Australia, Mechanical Engineering Transactions Science House, Gloucester Street, Sydney, N.S.W. 2000, Australia

Inst. R. Meteorol. Belg. Bull. Trimest. Obs. Ozone (Belgium) – (IRODAG)
Institut Royal Meteorologique de Belgique Bulletin Trimestriel Observations d'Ozone Avenue Circulaire 3, 1180 Bruxelles, Belgium

Instrum. & Control Syst. (USA) – (INCSA7)
Instruments and Control Systems Chilton Co., Chilton Way, Radnor, PA 19089, USA

Instrum. & Exp. Tech. (USA) – (INETAK)
Instruments and Experimental Techniques [Translation of: *Prib. & Tekh. Eksp. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Instrum. India – (INSIBO)
Instruments India IMDA, A-32, Navyug Niwas, 167 Dr. D. Bhadkamkar Road, Bombay 400007, India

Instrum. Technol. (USA) – (IRTCA4)
Instrumentation Technology Title changed to: *Intech (USA)*

Instrumentation (USA) – (INSRAG)
Instrumentation Honeywell Inc., Fort Washington, Philadelphia, PA 19034, USA

Insul./Circuits (USA) – (ISCUBF)
Insulation/Circuits Formerly: *Insulation (USA)* Lake Publishing Corp., Box 159, 700 Peterson Road, Libertyville, IL 60048, USA

Int. At. Energy Agency Bull. (Austria) – (IAEBAB)
International Atomic Energy Agency Bulletin Karntnerring 11, P.O. Box 590, A-1011 Wien, Austria

Int. Broadcast Eng. (GB) – (IBREBP)
International Broadcast Engineer Whitton Press Ltd., 50 High Street, Eton, Berks, England

Int. Classif. (Germany) – (INCLDN)
International Classification Verlag Dokumentation Saur KG, Possenbacherstrasse 2, P.O. Box 711009, D-8000 Munchen 71, Germany

Int. J. Appl. Radiat. & Isot. (GB) – (IJARAY)
International Journal of Applied Radiation and Isotopes Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Bio-Med. Comput. (Netherlands) – (IJBCBT)
International Journal of Bio-Medical Computing Elsevier-North Holland Scientific Publishers, P.O. Box 211, 1000 AE Amsterdam, England

Int. J. Circuit Theory & Appl. (GB) – (ICTACV)
International Journal of Circuit Theory and Applications John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Int. J. Comput. & Inf. Sci. (USA) – (IJCIAH)
International Journal of Computer & Information Sciences Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Int. J. Comput. Math. (GB) – (IJCMAT)
International Journal of Computer Mathematics Gordon & Breach Science Publishers Ltd., 43 William IV Street, London, WC2N 4DF, England

Int. J. Control (GB) – (IJCOAZ)
International Journal of Control Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Electr. Eng. Educ. (GB) – (IJEEAF)
International Journal of Electrical Engineering Education Manchester University Press, Oxford Road, Manchester M13 9PL, England

Int. J. Electron. (GB) – (IJELA2)
International Journal of Electronics Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Energy Res. (GB) – (IJERDN)
International Journal of Energy Research John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Int. J. Eng. Sci. (GB) – (IJESAN)
International Journal of Engineering Science Pergamon Press Ltd., Headington Hill Hall, Oxford, ox3 OBW, England

Int. J. Fract. (Netherlands) – (IJFRAP)
International Journal of Fracture Sijthoff & Noordhoff International Publishing, P.O. Box 4 Alphen Aan den Rijn, Netherlands

Int. J. Fusion Energy (USA) – (IJFEDN)
International Journal of Fusion Energy Fusion Energy Foundation, 304 West 58th Street, New York, NY 10019, USA

Int. J. Game Theory (Austria) – (IJGTA2)
International Journal of Game Theory Physica Verlag Rudolf Liebing KG, A-1010 Wien, Seilerstaette 18, Austria

Int. J. Gen. Syst. (GB) – (IJGSD2)
International Journal of General Systems Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Int. J. Heat & Mass Transfer (GB) – (IJHMAK)
International Journal of Heat and Mass Transfer Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Hydrogen Energy (GB) – (IJHEDX)
International Journal of Hydrogen Energy Pergamon Press Ltd., Headington Hill Hall Oxford OX3 0BW, England

Int. J. Magn. (GB) – (IJMNAE)
International Journal of Magnetism Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Int. J. Man-Mach. Stud. (GB) – (IJMMBC)
International Journal of Man-Machine Studies Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England

Int. J. Mass Spectrom. & Ion Phys. (Netherlands) – (IJMIBY)
International Journal of Mass Spectrometry and Ion Physics Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Int. J. Math. Educ. Sci. & Technol. (GB) – (IJMEBM)
International Journal of Mathematical Education in Science and Technology Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Mech. Sci. (GB) – (IMSCAW)
International Journal of Mechanical Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Miner. Process. (Netherlands) – (IJMPBL)
International Journal of Mineral Processing Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Int. J. Multiphase Flow (GB) – (IJMFBP)
International Journal of Multiphase Flow Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Non-Linear Mech. (GB) – (IJNMAG)
International Journal of Non-Linear Mechanics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Nondestr. Test. (GB) – (IJNTA3)
International Journal of Nondestructive Testing Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Int. J. Nucl. Med. & Biol. (GB) – (IJNMCI)
International Journal of Nuclear Medicine & Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Numer. & Anal. Methods Geomech. (GB) – (IJNGDZ)
International Journal for Numerical and Analytical Methods in Geomechanics John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Int. J. Numer. Methods Eng. (GB) – (IJNMBH)
International Journal for Numerical Methods in Engineering John Wiley and Sons Ltd., Baffins Lane, Chichester, Sussex, PO19 1UD, England

Int. J. Polym. Mater. (GB) – (IJPMCS)
International Journal of Polymeric Materials Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Int. J. Prod. Res. (GB) – (IJPRB8)
International Journal of Production Research Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Quantum Chem. (USA) – (IJQCB2)
International Journal of Quantum Chemistry John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

Int. J. Radiat. Biol. (GB) – (IJRBA3)
International Journal of Radiation Biology Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Radiat. Oncology Biol. Phys. (GB) – (IOBPD3)
International Journal of Radiation Oncology Biology Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Int. J. Rock Mech. & Min. Sci. & Geomech. Abstr. (GB) – (IJRMA2)
International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Solids & Struct. (GB) – (IJSOAD)
International Journal of Solids and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Syst. Sci. (GB) – (IJSYA9)
International Journal of Systems Science Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Theor. Phys. (USA) – (IJTPBM)
International Journal of Theoretical Physics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, England

Int. Met. Rev. (GB) – (IMRVBH)
International Metals Reviews Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Int. Power Generation (GB)
International Power Generation Fuel and Metallurgical Journals Ltd., 2 Queensway, Redhill RH1 1QS, England

Int. Water Power & Dam Constr. (GB) – (IWPCDM)
International Water Power & Dam Construction IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Intech (USA) – (INTCDD)
InTech (Instrumentation Technology) Formerly: *Instrum. Technol. (USA)* Instrument Society of America, 400 Stanwix Street, Pittsburgh, PA 15222, USA

Inter Connexion (France) – (INCXBN)
Inter Connexion Groupement Syndicat des Industries de Materials d'Equipement Electrique, 11 Rue Hamelin, 75783 Paris 6, France

Interavia (Engl. Ed.) (Switzerland) – (INTRAL)
Interavia (English Edition) Interavia S.A., 86 Avenue Louis-Casai, P.O. Box 162, 1216 Cointrin, Geneva, Switzerland

Interdisciplinary Sci. Rev. (GB) – (ISCRD8)
Interdisciplinary Science Reviews Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England

Interface (Netherlands) – (IFCEBC)
Interface Swets & Zeitlinger N.V., 347B Heereweg, Lisse, Netherlands

Interface Age (USA) – (INFAD5)
Interface Age McPheters, Wolfe & Jones, 16704 Marquardt Avenue, Cerritos, CA 90701, USA

Interfaces (USA) – (INFAC4)
Interfaces Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA

Interlending Rev. (GB) – (IREVDN)
Interlending Review Formerly: *BLL Rev. (GB)* British Library Lending Division, Boston Spa, Wetherby, West Yorks. LS23 7BQ, England

Inzh.-Fiz. Zh. (USSR) – (INFZA9)
Inzhenerno-Fizicheskii Zhurnal Izdatel'stvo Akademii Nauk BSSR, Editorial address: Polesnaya 25, Minsk 13, USSR [English translation in: *J. Eng. Phys. (USA)*]

Ion Exch. & Membranes (GB) – (IEXMBW)
Ion Exchange and Membranes Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Iran. J. Sci. & Technol. (GB) – (IJSTBT)
Iranian Journal of Science and Technology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Irish Astron. J. – (IRAJAW)
The Irish Astronomical Journal Armagh Observatory, Northern Ireland

Iron & Steel Eng. (USA) – (IRSEA5)
Iron and Steel Engineer Association of Iron & Steel Engineers, Suite 2350, Three Gateway Centre, Pittsburgh, PA 15222, USA

Iron & Steel Int. (GB) – (ISINBO)
Iron and Steel International IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

ISA Trans. (USA) – (ISATAZ)
ISA Transactions Instrument Society of America, 400 Stanwix Street, Pittsburg, PA 15222 Distributed by: Plenum Press, 227 West 17th Street, New York, NY 10011, USA

Ishikawajima-Harima Eng. Rev. (Japan) – (ISHGAV)
Ishikawajima-Harima Engineering Review 2-16 Toyosu 3-chome, Kotuko, Tokyo 135, Japan

ISI Bull. (India) – (ISTBA8)
ISI Bulletin Indian Standards Institution, Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, India

Islamabad J. Sci. (Pakistan) – (IJSCDE)
Islamabad Journal of Sciences Formerly: *J. Math. & Sci. (Pakistan)* University of Islamabad, Islamabad, Pakistan

Isr. J. Chem. (Israel) – (ISJCAT)
Israel Journal of Chemistry Weizmann Science Press, P.O. Box 801, Jerusalem 91000, Israel

Isr. J. Technol. (Israel) – (ISJTAC)
Israel Journal of Technology Weizmann Science Press, P.O. Box 801, Jerusalem 91000, Israel

Itogi Nauk. & Tekh. Ser. Issled. Kosm. Prostranstva (USSR) – (IIKPA3)
Itogi Nauki i Tekhniki Seriya Issledovanie Kosmicheskogo Prostranstva Akademiya Nauk SSSR, Institut Nauchnoi i Tekhnicheskoi Informatsii, Moskva, A-219, Baltiiskaya Ul. 14, USSR

IUCC Bull. (GB) – (IUBUDQ)
IUCC Bulletin Formerly: *IUCC Newsl. (GB)* Inter-University Committee on Computing, c/o Computer Laboratory, University of Cambridge, Corn Exchange Street, Cambridge CB2 3QG, England

IUCC Newsl. (GB) – (IUCNDA)
IUCC Newsletter Title changed to: *IUCC Bull. (GB)*

Izmer. Tekh. (USSR) – (IZTEAW)
Izmeritel'naya Tekhnika Academy of Sciences USSR Leninskii Prosp., Moskva, USSR [English translation in: *Meas. Tech. (USA)*]

Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA) – (IAOPB2)
Izvestiya, Academy of Sciences USSR. Atmospheric and Oceanic Physics [Translation of: *Izv. Akad. Nauk SSSR Fiz. Atmos. & Okeana*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA

Izv. Acad. Sci. USSR. Phys. Solid Earth (USA) – (IPSEBQ)
Izvestiya Academy of Sciences USSR, Physics of the Solid Earth [Translation of: *Izv. Akad. Nauk SSSR Fiz. Zemli*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA

Izv. Akad. Nauk Arm. SSR Fiz. (USSR) – (IAAFA3)
Izvestiya Akademia Nauk Armyanskoi SSR Fizika Editorial address: Erevan-GCP, Barekamutyan 24 B, USSR

Izv. Akad. Nauk Arm. SSR, Ser. Tekh. Nauk (USSR) – (IATNAK)
Izvestiya Akademiya Nauk Armyanskoi SSR, Seriya Tekhnicheskaya Nauk Tipografiya Izdatel'stva AN Armyanskoi SSR, Erevan, Barekamutyan 24, Armenia, USSR

Izv. Akad. Nauk Az. SSR Ser. Fiz.-Tekh. & Mat. Nauk (USSR) – (IAFMAF)
Izvestiya Akademii Nauk Azerbaidzhanskoi SSR Seriya Fiziko-Tekhnicheskikh i Matematicheskikh Nauk Izdatel'stvo ELM, Baku, USSR

Izv. Akad. Nauk SSSR Energ. & Transp. – (IAETAV)
Izvestiya Akademii Nauk SSSR Energetika i Transport Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Power Eng. (Acad. Sci. USSR) (USA)*]

Izv. Akad. Nauk SSSR Fiz. Atmos. & Okeana – (IFAOAV)
Izvestiya Akademii Nauk SSSR, Fizika Atmosfery i Okeana Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)*]

Izv. Akad. Nauk SSSR Fiz. Zemli – (IAFZAK)
Izvestiya Akademii Nauk SSSR. Fizika Zemli Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR. Phys. Solid Earth (USA)*]

Izv. Akad. Nauk SSSR Mekh. Tverd. Tela – (IZMTB9)
Izvestiya Akademii Nauk SSSR Mekhanika Tverdogo Tela Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR

Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza – (IMZGAB)
Izvestiya Akademii Nauk SSSR Mekhanika Zhidkosti i Gaza Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Fluid Dyn. (USA)*]

Izv. Akad. Nauk SSSR Neorg. Mater. – (IVNMAW)
Izvestiya Akademii Nauk SSSR Neorganicheskie Materialy Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Inorg. Mater. (USA)*]

Izv. Akad. Nauk SSSR Ser. Fiz. – (IANFAY)
Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Bull. Acad. Sci. USSR, Phys. Ser. (USA)*]

Izv. Akad. Nauk UzSSR Ser. Tekh. Nauk – (IUZTA4)
Izvestiya Akademii Nauk UzSSR. Seriya Tekhnicheskikh Nauk Tashkent, USSR

Izv. Akad. Nauk. SSSR Met. – (IZNMAQ)
Izvestiya Akademii Nauk SSSR, Metally Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Russ. Metall. (GB)*]

Izv. Gl. Astron. Obs. Pulkove (USSR) – (IGOPA9)
Izvestiya Glavnoi Astronomicheskoi Observatorii v Pulkove Leningradskoe Otdelenie Izdatel'stva 'Nauka', B-164 Mendelevskaya Lin., d.1, Leningrad, USSR

Izv. Khim. Bulg. Akad. Nauk. (Bulgaria) – (IZKHDX)
Izvestiya po Khimiya Bulgarska Akademiya na Naukite Bulgarian Academy of Sciences, 1 7th November Street, Sofia C, Bulgaria

Izv. Krym. Astrofiz. Obs. (USSR) – (IKAOAW)
Izvestiya Krymskoi Astrofisicheskoi Observatorii Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR

Izv. Vmei 'Lenin' (Bulgaria) – (IVMEA3)
Izvestiya na Vmei 'Lenin' D'rshavno Izdatelstvo 'Tekhnika', Sofiya, Bulgaria

Izv. VUZ Aviats. Tekh. (USSR) – (IVUAAV)
Izvestiya VUZ Aviatsionnaya Tekhnika G. Kaeanya, K. Marksa 10, Kasaskii Aviatsionnyu Institut, USSR [English translation in: *Sov. Aeronaut. (USA)*]

Izv. VUZ Elektromekh. (USSR) – (IVUEA9)
Izvestiya Vysshikh Uchebnykh Zavedenii, Elektromekhanika 346400 Novocherkassk, ul. Prosveshcheniga 132, Moskva, USSR

Izv. VUZ Energ. (USSR) – (IVZEAY)
Izvestiya Vysshikh Uchebnykh Zavedenii, Energetika Belorusski Politekhnicheskii Institut, Minsk, Leninskii Prosp. 65, USSR

Izv. VUZ Fiz. (USSR) – (IVUFAC)
Izvestiya Vysshikh Uchebnykh Zavedenii, Fizika Higher Education Institutes, Tomsk, USSR [English translation in: *Sov. Phys. J. (USA)*]

Izv. VUZ Gornyi Zh. (USSR) – (IVUOA5)
Izvestiya Vysshikh Uchebnykh Zavedenii, Gornyi Zhurnal Ministerstvo Vysshego i Srednego Spetsial'nogo Obrazovaniya, Moskva. Editorial address: Sverdlovsk, Universitetskaya Pl., 9, USSR

Izv. VUZ Mashinostr. (USSR) – (IVUSAH)
Izvestiya Vysshikh Uchebnykh Zavedenii, Mashinostroenie Moskva 107005, 2nd Baumanskaya 5, USSR

Izv. VUZ Mat. (USSR) – (IVUMBY)
Izvestiya VUZ Matematika Izdatel'stvo Gosudarstvennogo Universiteta, 420008 G. Kazan, Ul. V I Lenina 18, USSR [English translation in: *Sov. Math. (USA)*]

Izv. VUZ Pishch. Tekhnol. (USSR) – (IVUPA8)
Izvestiya Vysshikh Uchenbykh Zavedenii Pishchevaya Tekhnologiya Krasnodar Polytechnical Institute, 350 006 G. Krasnodar, Ul. Krasnaya 135, USSR

Izv. VUZ Priborostr. (USSR) – (IVUBAY)
Izvestiya VUZ Priborostroenie Editorial address: 190 000 Leningrad, Per. Grivtsova 14, USSR

Izv. VUZ Radioelektron. (USSR) – (IVUZB5)
Izvestiya Vysshikh Uchebnykh Zavedenii, Radioelektronika Kievskii Ordena Lenina Politekhnicheskii Institut, 252056 Kiev 56, Brest-Litovskii Prospekt 39, USSR [English translation in: *Radioelectron. & Commun. Syst. (USA)*]

Izv. VUZ Radiofiz. (USSR) – (IVYRAY)
Izvestiya Vysshikh Uchebnykh Zavedenii, Radiofizika Gor'kovskiy Universitet G. Gor'kiy, ul. Lyadova 25, USSR [English translation in: *Radiophys. & Quantum Electron. (USA)*]

Izv. VUZ Tekhnol. Legkoi Prom.-st. (USSR) – (IVTTAF)
Izvestiya Vysshikh Uchebnykh Zavedenii, Tekhnologiya Legkoi Promyshlennosti Ministerstvo Vysshego i Srednogo Spetsial'nogo Obrazovaniya, Moskva. Editorial address: Kiev, Nemirivicha-Danchenko 2, USSR

J. & Proc. R. Soc. New South Wales (Australia) – (JPRSA5)
Journal and Proceedings of the Royal Society of New South Wales Science Centre, 35 Clarence Street, Sydney, NSW 2000, Australia

J. A (Belgium) – (JRNAAD)
Journal A Koninklijke Vlaamse Ingenieurs-Vereniging, Jan van Rijswijcklaan 58, B-2000 Antwerp, Belgium

J. Acoust. Soc. Am. (USA) – (JASMAN)
Journal of the Acoustical Society of America Published for the Acoustical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Acoust. Soc. Jpn. (Japan) – (NIOGAH)
Journal of the Acoustical Society of Japan Ikeda Building 2-7-7, Yoyogi, Shibuya-ku, Tokyo, Japan

J. Adhes. (GB) – (JADNAJ)
Journal of Adhesion Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Aerosol Sci. (GB) – (JALSB7)
Journal of Aerosol Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Aircr. (USA) – (JAIRAM)
Journal of Aircraft American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10019, USA

J. Am. Ceram. Soc. (USA) – (JACTAW)
Journal of the American Ceramic Society 65 Ceramic Drive, Columbus, OH 43214, USA

J. Am. Chem. Soc. (USA) – (JACSAT)
Journal of the American Chemical Society 1155 Sixteenth Street N.W., Washington, DC 20036, USA

J. Am. Soc. Inf. Sci. (USA) – (AISJB6)
Journal of the American Society for Information Sciences American Society for Information Science, 1155 16th Street, N.W., Suite 210, Washington, DC 20036, USA

J. Appl. Chem. & Biotechnol. (GB) – (JACBBD)
Journal of Applied Chemistry and Biotechnology Title changed to: *J. Chem. Technol. & Biotechnol. (GB)*

J. Appl. Crystallogr. (Denmark) – (JACGAR)
Journal of Applied Crystallography Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Kobenhavn K, Denmark

J. Appl. Electrochem. (GB) – (JAELBJ)
Journal of Applied Electrochemistry Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

J. Appl. Mech. & Tech. Phys. (USA) – (JMPYAQ)
Journal of Applied Mechanics and Technical Physics [Translation of: *Zh. Prikl. Mekh. & Tekh. Fiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

J. Appl. Meteorol. (USA) – (JAMOAX)
Journal of Applied Meteorology American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

J. Appl. Photogr. Eng. (USA) – (JAPEDL)
Journal of Applied Photographic Engineering Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue, N.W., Washington, DC 20005, USA

J. Appl. Phys. (USA) – (JAPIAU)
Journal of Applied Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Appl. Physiol. (USA) – (JAPYAA)
Journal of Applied Physiology American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20014, USA

J. Appl. Probab. (GB) – (JPRBAM)
Journal of Applied Probability University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

J. Appl. Sci. & Eng. Sect. A (Netherlands) – (JEAED8)
Journal of Applied Science and Engineering Section A (Electrical Power and Information Systems) Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands. North-Holland Publishing Co., P.O. Box 211, Amsterdam

J. Appl. Spectrosc. (USA) – (JASYAP)
Journal of Applied Spectroscopy [Translation of: *Zh. Prikl. Spektrosk. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

J. Appl. Syst. Anal. (GB) – (JASADO)
Journal of Applied Systems Analysis University of Lancaster, Department of Systems, Bailrigg, Lancaster LA1 4YR, England

J. Approximation Theory (USA) – (JAXTAZ)
Journal of Approximation Theory Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Assoc. Comput. Mach. (USA) – (JACOAH)
Journal of the Association for Computing Machinery Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

J. Astronaut. Sci. (USA) – (JALSA6)
Journal of the Astronautical Sciences American Astronautical Society, 6060 Duke Street, Alexandria, VA 22304, USA

J. At. Energy Soc. Jpn. (Japan) – (NGEGAL)
Journal of the Atomic Energy Society of Japan Atomic Energy Society of Japan, c/o Japan Atomic Energy Research Institute, 1-13, Shimbash 1-chome, Minato-ku, Tokyo, Japan

J. Atmos. & Terr. Phys. (GB) – (JATPA3)
Journal of Atmospheric and Terrestrial Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Atmos. Sci. (USA) – (JAHSAK)
Journal of the Atmospheric Sciences American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

J. Audio Eng. Soc. (USA) – (ADIOA3)
Journal of the Audio Engineering Society Lincoln Building, Room 929 60 East 42nd Street, New York, NY 10017, USA

J. Aust. Ceram. Soc. (Australia) – (JAUCA3)
Journal of the Australian Ceramic Society c/o Department of Ceramic Engineering, University of New South Wales, P.O. Box 1, Kensington, N.S.W. 2033, Australia

J. Aust. Inst. Met. (Australia) – (JAMTAE)
Journal of the Australian Institute of Metals Title changed to: *J. Australas. Inst. Met. (Australia)*

J. Aust. Math. Soc. Ser. A (Australia) – (JAMADS)
Journal of the Australian Mathematical Society Series A (Pure Mathematics) Department of Mathematics, La Trobe University, Bundooray, Victoria 3083, Australia

J. Aust. Math. Soc. Ser. B (Australia) – (JAMMDU)
Journal of the Australian Mathematical Society Series B (Applied Mathematics) Editorial address: Department of Mathematics, University of Western Australia, Nedlands, Western Australia 6009, Australia

J. Australas. Inst. Met. (Australia)
Journal of the Australasian Institute of Metals Title changed to: *Met. Forum (Australia)*

J. Belge Radiol. – (JBRAAN)
Journal Belge de Radiologie Societe Royale Belgede Radiologie, Avenue des Eglantines 10, 1150 Brussels, Belgium

J. Biochem. & Biophys. Methods (Netherlands) – (JBBMDG)
Journal of Biochemical and Biophysical Methods Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Bioenerg. & Biomembranes (USA) – (JBBID4)
Journal of Bioenergetics and Biomembranes Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Bioeng. (GB) – (JBNGDO)
Journal of Bioengineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Biomech. (GB) – (JBMCB5)
Journal of Biomechanics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Birla Inst. Technol. & Sci. (India) – (BITJAL)
Journal of the Birla Institute of Technology and Science Birla Institute of Technology and Sciences, Pilani, Rajasthan, India

J. Br. Astron. Assoc. (GB) – (JBAAA6)
Journal of the British Astronomical Association Burlington House, Piccadilly, London, W1V ONL, England

J. Br. Interplanet. Soc. (GB) – (JBISAW)
Journal of the British Interplanetary Society British Interplanetary Society, 12 Bessborough Gardens, London, SW1V 2JJ, England

J. Br. Nucl. Energy Soc. (GB) – (JBNSAN)
Journal of the British Nuclear Energy Society Title changed to: *Nucl. Energy (GB)*

J. Chart. Inst. Build. Serv. (GB) – (JIBSDF)
Journal of the Chartered Institution of Building Services Building Services Publications Ltd., Builder House, 1-3 Pemberton Row, Red Lion Court, Fleet Street, London EC4P 4HL, England

J. Chem. Educ. (USA) – (JCEDA8)
Journal of Chemical Education American Chemical Society, 119 West 24th Street, New York, NY 10011, USA

J. Chem. Inf. & Comput. Sci. (USA) – (JCISD8)
Journal of Chemical Information and Computer Sciences American Chemical Society, 1115 Sixteenth Street, N.W., Washington, DC 20036, USA

J. Chem. Phys. (USA) – (JCPSA6)
Journal of Chemical Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Chem. Soc. Faraday Trans. I (GB) – (JCFTAR)
Journal of the Chemical Society Faraday Transactions I Burlington House, London, W1V OBN, England

J. Chem. Soc. Faraday Trans. II (GB) – (JCFTBS)
Journal of the Chemical Society Faraday Transactions II Burlington House, London, W1V OBN, England

J. Chem. Technol. & Biotechnol. (GB) – (JCTBDC)
Journal of Chemical Technology and Biotechnology Formerly: *J. Appl. Chem. & Biotechnol. (GB)* Society of Chemical Industry, 14 Belgrave Square, London, SW1X 8PS, England

J. Chem. Thermodyn. (GB) – (JCTDAF)
Journal of Chemical Thermodynamics Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

J. Chim. Phys. & Phys.-Chim. Biol. (France) – (JCPBAN)
Journal de Chimie Physique et de Physico-Chimie Biologique Societe de Chimie Physique, 4 place Jussieu-Tou 54-55, 75230 Paris Cedex 05, France

J. Chin. Inst. Eng. (Taiwan) – (CKCKDZ)
Journal of the Chinese Institute of Engineers 4th Floor, 2nd Section, Jen-Ai Road, Taipei, Taiwan

J. Clin. Comput. (USA) – (JCLCB7)
Journal of Clinical Computing 166 Morris Avenue, Buffalo, NY 14214, USA

J. Clin. Eng. (USA) – (JCEND7)
Journal of Clinical Engineering Quest Publishing Co., 1351 Titan Way, Brea, CA 92621, USA

J. Colloid & Interface Sci. (USA) – (JCISA5)
Journal of Colloid and Interface Science Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comb. Theory Ser. A (USA) – (JCTHAR)
Journal of Combinitorial Theory, Series A Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comb. Theory Ser. B (USA) – (JCTHAR)
Journal of Combinatorial Theory, Series B Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Compos. Mater. (USA) – (JCOMBI)
Journal of Composite Materials Technomic Publishing Co. Inc., 265 Post Road West, Westport, CT 06880, USA

J. Comput. & Syst. Sci. (USA) – (JCSSBM)
Journal of Computer and System Sciences Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comput. Phys. (USA) – (JCTPAH)
Journal of Computational Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comput. Soc. India – (JCSIDS)
Journal of the Computer Society of India Computer Group, Tata Institute of Fundamental Research, Colaba, Bombay 400 005, India

J. Comput.-Based Instr. (USA)
Journal of Computer-Based Instruction Association for the Development of Computer-Based Instructional Systems, Computer Center, Western Washington University, Bellingham, WA 98225, USA

J. Coord. Chem. (GB) – (JCCMBQ)
Journal of Coordination Chemistry Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Cryst. & Mol. Struct. (USA) – (JCMLB5)
Journal of Crystal and Molecular Structure Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Cryst. Growth (Netherlands) – (JCRGAE)
Journal of Crystal Growth North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Cybern. & Inf. Sci. (USA) – (JCINDR)
Journal of Cybernetics and Information Science Western Periodicals Co., 13000 Raymer Street, North Hollywood, CA 91605, USA

J. Cybern. (USA) – (JCYBAY)
Journal of Cybernetics Hemisphere Publishing Co., 1025 Vermont Avenue, N.W., Washington, DC 20005, USA

J. Dalian Eng. Inst. (Dalian Gongxueyuan Xuebao) (China) – (TKHPDO)
Journal of Dalian Engineering Institute (Dalian Gongxueyuan Xuebao) Title changed to: *J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China)*

J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China) – (TKHPDO)
Journal of Dalian Institute of Technology (Dalian Gongxueyuan Xuebao) Formerly: *J. Dalian Eng. Inst. (Dalian Gongxueyuan Xuebao) (China)* Dalian, People' Republic of China

J. Des. Autom. & Fault-Tolerant Comput. (USA) – (JDACDT)
Journal of Design Automation & Fault-Tolerant Computing Computer Science Press Inc., 9125 Fall River Lane, Potomac, MA 20854, USA

J. Differ. Equations (USA) – (JDEQAK)
Journal of Differential Equations Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Doc. (GB) – (JDOCAS)
Journal of Documentation Aslib, 3 Belgrave Square, London, SW1X 8PL, England

J. Educ. Data Process. (USA) – (JEDPBK)
Journal of Educational Data Processing Shirley Camden, Journal of Educational Data Processing, P.O. Box 867, Soquel, CA 95073, USA

J. Educ. Librarianship (USA) – (JLELAR)
Journal of Education for Librarianship Association of American Library Schools, 471 Park Lane, State College, PA 16801, USA

J. Educ. Technol. Syst. (USA) – (JETSB7)
Journal of Educational Technology Systems Baywood Publishing Co. Inc., 120 Marine Street, Farmingdale, NY 11735, USA

J. Elasticity (Netherlands) – (JELSAY)
Journal of Elasticity Academic Book Services Holland, P.O. Box 66, Groningen, Netherlands

J. Electroanal. Chem. & Interfacial Electrochem. (Switzerland) – (JEIEBC)
Journal of Electroanalytical Chemistry and Interfacial Electrochemistry Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

J. Electrochem. Soc. (USA) – (JESOAN)
Journal of the Electrochemical Society P.O. Box 2071, Princeton, NJ 08540, USA

J. Electrochem. Soc. India – (JESIA5)
Journal of the Electrochemical Society of India c/o Indian Institute of Science, Department of Metallurgy, Bangalore 560012, India

J. Electron Microsc. (Japan) – (JELJA7)
Journal of Electron Microscopy Japanese Society of Electron Microscopy, c/o Japan Academic Society Centre, 4-16 Yayoi 2 Chome, Bunkyo-ku, Tokyo 113, Japan

J. Electron Spectrosc. & Relat. Phenom. (Netherlands) – (JESRAW)
Journal of Electron Spectroscopy and Related Phenomena Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Electron. Mater. (USA) – (JECMA5)
Journal of Electronic Materials Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Electrostat. (Netherlands) – (JOELDH)
Journal of Electrostatics Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Eng. Math. (Netherlands) – (JLEMAU)
Journal of Engineering Mathematics Sijthoff & Noordhoff, International Publishers, Journal Department, P.O. Box 4, Alphen Aan den Rijn, Netherlands

J. Eng. Phys. (USA) – (JEPHAL)
Journal of Engineering Physics [Translation of: *Inzh.-Fiz. Zh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

J. Eng. Sci. (Saudi Arabia) – (JESCDO)
Journal of Engineering Sciences College of Engineering, University of Riyadh, P.O. Box 800, Riyadh, Saudi Arabia

J. Environ. Sci. (USA) – (JEVSAG)
Journal of Environmental Sciences Institute of Environmental Sciences, 940 East Northwest Highway, Mt. Prospect, IL 60056, USA

J. Equip. Electr. & Electron. (France) – (JEEEAP)
Journal de L'Equipment Electrique et Electronique Edition Tests, 71 boulevard Richard Lenoir, 75011 Paris, France

J. Fac. Eng. Chiba Univ. (Japan) – (CDKKAN)
Journal of the Faculty of Engineering Chiba University Chiba, Japan

J. Fac. Eng. Ibaraki Univ. (Japan) – (IDKSAB)
Journal of the Faculty of Engineering, Ibaraki University Ibaraki, Japan

J. Fac. Eng. Shinshu Univ. (Japan) – (SDKKBU)
Journal of the Faculty of Engineering, Shinshu University Nagano, Japan

J. Fac. Eng. Univ. Tokyo Ser. A (Japan) – (JETAAK)
Journal of the Faculty of Engineering, University of Tokyo, Series A 3-1, 7-Chome, Hongo, Bunkyo-ku, Tokyo 113, Japan

J. Fac. Eng. Univ. Tokyo Ser. B (Japan) – (JETBAN)
Journal of the Faculty of Engineering, University of Tokyo Series B 3-1, 7-Chome, Hongo, Bunkyo-ku, Tokyo 113, Japan

J. Fac. Sci. Univ. Tokyo Sect. 1A (Japan) – (JFTMAT)
Journal of the Faculty of Science, University of Tokyo Section 1A (Mathematics) Dean of the Faculty of Science, University of Tokyo, Tokyo, Japan

J. Fluid Mech. (GB) – (JFLSA7)
Journal of Fluid Mechanics Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

J. Franklin Inst. (USA) – (JFINAB)
Journal of the Franklin Institute Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Funct. Anal. (USA) – (JFUAAW)
Journal of Functional Analysis Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Geol. (USA) – (JGEOAZ)
Journal of Geology University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

J. Geomagn. & Geoelectr. (Japan) – (JGEGAB)
Journal of Geomagnetism and Geoelectricity University of Tokyo Press, c/o Business Centre for Academic Societies, 4-16 Yayoi 2-chome, Bunkyo-ku, Tokyo 113, Japan

J. Geophys. (Germany) – (ZEGEA7)
Journal of Geophysics (Zeitschrift fur Geophysik) Springer- Verlag, 6900 Heidelberg 1, Postfach 105280, Germany

J. Geophys. Res. (USA) – (JGREA2)
Journal of Geophysical Research American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

J. Graph Theory (USA) – (JGTHDO)
Journal of Graph Theory John Wiley & Sons Inc., 605 Third Avenue, New York, NY10016, USA

J. Guid. & Control (USA) – (JGCODS)
Journal of Guidance and Control American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10019, USA

J. Hist. Astron. (GB) – (JHSAA2)
Journal for the History of Astronomy Science History Publications Ltd., Halfpenny Furze, Mill Lane, Chalfont St. Giles, Bucks. HP8 4NR, England

J. Hydronaut. (USA) – (JHYDB8)
Journal of Hydronautics American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10019, USA

J. Illum. Eng. Inst. Jpn. (Japan) – (SHGSAR)
Journal of the Illuminating Engineering Institute of Japan 3 Yurakucho, 1-chome, Chiyodaku, Tokyo 100, Japan

J. Illum. Eng. Soc. (USA) – (JIESBS)
Journal of the Illuminating Engineering Society 345 East 47th Street, New York, NY 10017, USA

J. Ind. Aerodyn. (Netherlands) – (JIAED2)
Journal of Industrial Aerodynamics Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Indian Inst. Sci. – (JIISAD)
Journal of the Indian Institute of Science Bangalore 560012, India

J. Inf. (GB) – (JOIND9)
Journal of Informatics Informatics School of Library, Archive & Information Studies, University College London, Gower Street, London, WC1E 6BT, England

J. Inf. Process. (Japan) – (JIPRDE)
Journal of Information Processing Information Processing Society of Japan, Kikai-Shinko Kaikan, 3-5-8 Shiba-koen, Kinato-ku, Tokyo 105, Japan

J. Inf. Sci. Princ. & Pract. (Netherlands) – (JISCDI)
Journal of Information Science, Principles & Practice Formerly: *Inf. Scientist (GB)* Published for the Institute of Information Scientists by the North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Inorg. & Nucl. Chem. (GB) – (JINCAO)
Journal of Inorganic and Nuclear Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Inst. Comput. Sci. (GB) – (JICSBI)
Journal of the Institution of Computer Sciences 37/39 London End, Beaconsfield, Bucks, England

J. Inst. Electron. & Commun. Eng. Jpn. (Japan) – (IECJAJ)
Journal of the Institute of Electronics and Communication Engineers of Japan Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8, Shibakoen 3 Chome Minato-ku, Tokyo 105, Japan

J. Inst. Electron. & Telecommun. Eng. (India) – (JIETAU)
Journal of the Institution of Electronics and Telecommunication Engineers Institution of Electronics & Telecommunication Engineers, 2 Institutional Area, Lodi Road, New Delhi 110003, India

J. Inst. Energy (GB) – (JINEDX)
Journal of the Institute of Energy 18 Devonshire Street, Portland Place, London W1N 2AU, England

J. Inst. Eng. (India) Electr. Eng. Div. – (JEELAC)
Journal of the Institution of Engineers (India) Electrical Engineering Division 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. (India) Electron. & Telecommun. Eng. Div. – (JEETA2)
Journal of the Institution of Engineers (India) Electronics and Telecommunication Engineering Division 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. (India) Mech. Eng. Div. – (JEMDAS)
Journal of the Institution of Engineers (India) Mechanical Engineering Division 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. Aust. (Australia) – (JISGAR)
Journal of the Institution of Engineers, Australia Miadna Pty. Ltd., 11 National Circuit, Barton ACT 2600, Australia

J. Inst. Math. & Appl. (GB) – (JMTAA8)
Journal of the Institute of Mathematics and its Applications Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England

J. Inst. Nucl. Eng. (GB) – (JINEBV)
Journal of the Institution of Nuclear Engineers 1 Pennerley Road, London, SE6, England

J. Inst. Telev. Eng. Jpn. (Japan) – (JITJA7)
Journal of the Institute of Television Engineers of Japan Kikai-Shinko Building, 3-5-8 Shiba Park, Minato-ku, Shiba PO, Tokyo, Japan

J. Jpn. Assoc. Philos. Sci. (Japan) – (KAKKAM)
Journal of the Japan Association for Philosophy of Science c/o Institute of Statistical Mathematics, 6-7, 4-chome, Minami-azabu, Minato-ku, Tokyo, Japan

J. Jpn. Inst. Met. (Japan) – (NIKGAV)
Journal of the Japan Institute of Metals Aza-Aoba Aramaki, Sendai 980, Japan

J. Jpn. Soc. Precis. Eng. (Japan) – (JJPEAD)
Journal of the Japan Society of Precision Engineering Ceramics Building, 22-12, Hyakunincho 2-chome, Shinjuku-Ku, Tokyo, Japan

J. Korea Inst. Electron. Eng. – (JKEEAX)
Journal of Korea Institute of Electronics Engineers 24 Sinmoon Ro 1Ka, Chongro Ku, Seoul 110, Korea

J. Korean Inst. Electr. Eng. – (JKIEAJ)
Journal of the Korean Institute of Electrical Engineers Korean Institute of Electrical Engineers, 11-4 Soopyo-dong, Chung-ku, Seoul 100, Korea

J. Korean Inst. Met. – (KUHCAL)
Journal of the Korean Institute of Metals C.P.O. Box 5311, Seoul, Korea

J. Korean Nucl. Soc. – (WJHKAW)
Journal of the Korean Nuclear Society P.O. Box 7, Cheong Ryang, Seoul, Korea

J. Korean Phys. Soc. – (KPSJAS)
Journal of the Korean Physical Society Korean Physical Society, Science Centre Building, San 76-561, Yuksan-dong, Kangam-ku, Seoul, Korea

J. Less-Common Met. (Switzerland) – (JCOMAH)
Journal of the Less-Common Metals Elsevier Sequoia SA, P.O. Box 851, 1001 Lausanne 1, Switzerland

J. Libr. Autom. (USA) – (JLAUAY)
Journal of Library Automation 50 East Huron Street, Chicago, IL 60611, USA

J. Librarianship (GB) – (JLIBAH)
Journal of Librarianship Library Association, 7 Ridgmount Street, London, WC1E 7AE, England

J. Low Temp. Phys. (USA) – (JLTPAC)
Journal of Low Temperature Physics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Lumin. (Netherlands) – (JLUMA8)
Journal of Luminescence North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Macromol. Sci. - Phys. (USA) – (JMAPBR)
Journal of Macromolecular Science - Physics Marcel Dekker Inc., P.O. Box 11305, Church Street Station, New York, NY 10249, USA

J. Magn. & Magn. Mater. (Netherlands) – (JMMMDC)
Journal of Magnetism and Magnetic Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Magn. Resonance (USA) – (JOMRA4)
Journal of Magnetic Resonance Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Mater. Sci. (GB) – (JMTSAS)
Journal of Materials Science Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

J. Math. & Phys. Sci. (India) – (JMPSB9)
Journal of Mathematical and Physical Sciences Indian Institute of Technology, Madras 600 036, India

J. Math. & Sci. (Pakistan) – (JMMSAR)
Journal of Mathematics and Sciences Title changed to: *Islamabad J. Sci. (Pakistan)*

J. Math. Anal. & Appl. (USA) – (JMANAK)
Journal of Mathematical Analysis and Applications Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Math. Biol. (Germany) – (JMBLAJ)
Journal of Mathematical Biology Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

J. Math. Phys. (USA) – (JMAPAQ)
Journal of Mathematical Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Math. Sociol. (GB) – (JMTSBT)
Journal of Mathematical Sociology Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Mec. (France) – (JOMCAR)
Journal de Mecanique Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

J. Mec. Appl. (France) – (JMAPDT)
Journal de Mecanique Appliance Centrale des Revues Dunod/Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France

J. Mech. & Phys. Solids (GB) – (JMPSA8)
Journal of the Mechanics and Physics of Solids Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Mech. Eng. Lab. (Japan) – (KGKSBL)
Journal of Mechanical Engineering Laboratory Agency of Industrial Science and Technology, Igusa Suginami-ku, Tokyo, Japan

J. Mech. Eng. Sci. (GB) – (JMESAL)
Journal of Mechanical Engineering Science Institution of Mechanical Engineers, P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

J. Mechanochem. & Cell Motility (GB) – (JMCLAO)
Journal of Mechanochemistry & Cell Motility Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

J. Med. Eng. & Technol. (GB) – (JMTEDN)
Journal of Medical Engineering & Technology United Trade Press Ltd., 33-35 Bowling Green Lane, London EC1R 0DA, England

J. Membrane Sci. (Netherlands) – (JMESDO)
Journal of Membrane Science Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Met. (USA) – (JOMTAA)
Journal of Metals Metallurgical Society of AIME, P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA 15086, USA

J. Microgr. (USA) – (JMGPBN)
Journal of Micrographics National Micrographics Association, Dept. F, 8719 Colesville Road, Silver Spring, MD 20910, USA

J. Microsc. & Spectrosc. Electron. (France) – (JMSEDI)
Journal de Microscopie et de Spectroscopie Electroniques Societe Francaise de Microscopie Electronique, 67 rue Maurice-Gunsbourg, 94200 Ivry, France

J. Microsc. (GB) – (JMICAR)
Journal of Microscopy Blackwell Scientific Publications Ltd., Osney Mead, Oxford OX2 0EL, England

J. Microwave Power (Canada) – (JLMPAB)
Journal of Microwave Power IMPI, Box 1556, Edmonton, Alberta, T5J 2N7, Canada

J. Mol. Spectrosc. (USA) – (JMOSA3)
Journal of Molecular Spectroscopy Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Mol. Struct. (Netherlands) – (JMOSB4)
Journal of Molecular Structure Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Multivariate Anal. (USA) – (JMVAAI)
Journal of Multivariate Analysis Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Natl. Chiao Tung Univ. (Taiwan) – (CTTPDS)
Journal of National Chiao Tung University College of Engineering, 45 Po Ai Street, Hsinchu 300, Taiwan

J. Natl. Res. Counc. Thailand – (JRCTAF)
Journal of the National Research Council of Thailand Thai National Documentation Centre, Bangkhen, Thailand

J. Navig. (GB) – (JONVAL)
Journal of Navigation Royal Institute of Navigation at the Royal Geographical Society, 1 Kensington Gore, London, SW7 2AT, England

J. Non-Cryst. Solids (Netherlands) – (JNCSBJ)
Journal of Non-Crystalline Solids North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

J. Non-Equilibrium Thermodyn. (Germany) – (JNETDY)
Journal of Non-Equilibrium Thermodynamics Walter de Gruyter & Co., Genthiner Strasse 13, D-1000 Berlin 30, Germany

J. Non-Newtonian Fluid Mech. (Netherlands) – (JNFMDI)
Journal of Non-Newtonian Fluid Mechanics Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

J. Nucl. Mater. (Netherlands) – (JNUMAM)
Journal of Nuclear Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Nucl. Med. (USA) – (JNMEAQ)
Journal of Nuclear Medicine Society of Nuclear Medicine, 475 Park Avenue South, New York, NY 10016, USA

J. Nucl. Med. Technol. (USA) – (JNMTB4)
Journal of Nuclear Medicine Technology Society of Nuclear Medicine, 475 Park Avenue South, New York, NY 10016, USA

J. Nucl. Sci. & Technol. (Japan) – (JNSTAX)
Journal of Nuclear Science and Technology Atomic Energy Society of Japan, c/o Japan Atomic Energy Research Institute, No. 1-13, 1-chome, Shimbashi, Minato-ku, Tokyo, Japan

J. Oper. Res. Soc. (GB) – (JORSDZ)
Journal of the Operational Research Society Formerly: *Oper. Res. Q. (GB)* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Oper. Res. Soc. Jpn. (Japan) – (JORJA5)
Journal of the Operations Research Society of Japan Operations Research Society of Japan, 4-16 Yayoi 2-chome, Bunko-ku, Tokyo 113, Japan

J. Opt. (France) – (JOOPDB)
Journal of Optics Masson Editeur, 120 Boulevard Saint-Germain, 75280 Paris Cedex 06, France

J. Opt. (India) – (JOPTBQ)
Journal of Optics Optical Society of India, Department of Applied Physics, University of Calcutta, 92 Acharya Prafulla Chandra Road, Calcutta 700 009, India

J. Opt. Soc. Am. (USA) – (JOSAAH)
Journal of the Optical Society of America Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Optimiz. Theory & Appl. (USA) – (JOTABN)
Journal of Optimization Theory and Applications Plenum Publishing Co., 227 West 17th Street, New York, NY 10011, USA

J. Photogr. Sci. (GB) – (JPTSAF)
Journal of Photographic Science Royal Photographic Society, 14 South Audley Street, London, W1Y 5DP, England

J. Phys. & Chem. Ref. Data (USA) – (JPCRBU)
Journal of Physical and Chemical Reference Data American Chemical Society, 1155 Sixteenth Street, N.W., Washington, DC 20036, USA

J. Phys. & Chem. Solids (GB) – (JPCSAW)
Journal of the Physics and Chemistry of Solids Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Phys. (France) – (JOPQAG)
Journal de Physique Z.I. de Courtaboeuf, B.P. 112, 91402 Orsay, France

J. Phys. A (GB) – (JPHAC5)
Journal of Physics A, (Mathematical and General) Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

J. Phys. B (GB) – (JPAMA4)
Journal of Physics B, (Atomic and Molecular Physics) Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

J. Phys. C (GB) – (JPSOAW)
Journal of Physics C, (Solid State Physics) Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

J. Phys. Chem. (USA) – (JPCHAX)
Journal of Physical Chemistry American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

J. Phys. Colloq. (France) – (JPQCAK)
Journal de Physique Colloque Societe Francaise de Physique, 87 bis Avenue du General Leclerc, 75014 Paris, France

J. Phys. D (GB) – (JPAPBE)
Journal of Physics D, (Applied Physics) Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

J. Phys. E (GB) – (JPSIAE)
Journal of Physics E, (Scientific Instruments) Formerly: *J. Sci. Instrum. (GB)* Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

J. Phys. Earth (Japan) – (JPHEAF)
Journal of Physics of the Earth University of Tokyo Press, c/o Business Centre for Academic Sciences, 4-16 Yayoi 2-chome, Bunkyo-ku, Tokyo 113, Japan. Subscription address: Japan Publications Trading Co. Ltd., C.P.O. 722, Tokyo, Japan

J. Phys. F (GB) – (JPFMAT)
Journal of Physics F, (Metal Physics) Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

J. Phys. G (GB) – (JPHGBM)
Journal of Physics G, (Nuclear Physics) Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

J. Phys. Lett. (France) – (JPSLBO)
Journal de Physique Lettres Issued with: *J. Phys. (France)*

J. Phys. Oceanogr. (USA) – (JPYOBT)
Journal of Physical Oceanography American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

J. Phys. Soc. Jpn. (Japan) – (JUPSAU)
Journal of the Physical Society of Japan Room 211, Kikai Shinko Building, 3-5-8 Shiba Koen, Minato-ku, Tokyo 105, Japan

J. Plasma Phys. (GB) – (JPLPBZ)
Journal of Plasma Physics Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

J. Polym. Sci. Macromol. Rev. (USA) – (JPDMAJ)
Journal of Polymer Science, Macromolecular Reviews Title changed to: *Macromol. Rev. (USA)*

J. Polym. Sci. Polym. Chem. Ed. (USA) – (JPLCAT)
Journal of Polymer Science, Polymer Chemistry Edition John Wiley & Sons Ltd., 605 Third Avenue, New York, NY 10016, USA

J. Polym. Sci. Polym. Lett. Ed. (USA) – (JPYBAN)
Journal of Polymer Science, Polymer Letters Edition John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Polym. Sci. Polym. Phys. Ed. (USA) – (JPLPAY)
Journal of Polymer Science, Polymer Physics Edition John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Polym. Sci. Polym. Symp. (USA) – (JPYCAQ)
Journal of Polymer Science, Polymer Symposia John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Power Sources (Switzerland) – (JPSODZ)
Journal of Power Sources Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

J. Qing Hua Univ. (China)
Journal of Qing Hua University Formerly: *J. Tsing Hua Univ. (China)* People's Press, Beijing, People's Republic of China

J. Qual. Technol. (USA) – (JQUTAU)
Journal of Quality Technology American Society of Quality Control, Plankinton Building, 161 West Wisconsin Avenue, Milwaukee, WI 53203, USA

J. Quant. Spectrosc. & Radiat. Transfer (GB) – (JQSRAE)
Journal of Quantitative Spectroscopy and Radiative Transfer Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. R. Astron. Soc. Can. (Canada) – (JRASA2)
Journal of the Royal Astronomical Society of Canada 124 Merton Street, Toronto, Ontario M4S 2Z2, Canada

J. R. Electr. & Mech. Eng. (GB) – (JREMB5)
Journal of the Royal Electrical and Mechanical Engineers Moat House, Arborfield, Berks., RG2 9LN, England

J. R. Signals Inst. (GB) – (JRSIBT)
Journal of the Royal Signals Institution Cheltenham Terrace, London, SW3 4RH, England

J. Radiat. Res. (Japan) – (JRARAX)
Journal of Radiation Research Japan Radiation Research Society, c/o National Institute of Radiological Sciences, Anagawa 4-9, Chiba 280, Japan

J. Radio Res. Lab. (Japan) – (JRRLAW)
Journal of the Radio Research Laboratories Chief Planning Section, Radio Research Laboratories, Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan

J. Radioanal. Chem. (Switzerland) – (JRACBN)
Journal of Radioanalytical Chemistry Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland. Kultura, H-1389 Budapest, 62, P.O. Box 149, Hungary

J. Raman Spectrosc. (GB) – (JRSPAF)
Journal of Raman Spectroscopy Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England

J. Rech. Atmos. (France) – (JRATA5)
Journal de Recherches Atmospheriques Observatoire du Puy de Dome, 12 avenue des Landais, 63001 Clermont Ferrand Cedex, France

J. Res. Commun. Stud. (Netherlands) – (JRCSDF)
Journal of Research Communication Studies Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Res. Inst. Sci. & Technol. Nihon Univ. (Japan) – (NDRKA9)
Journal of the Research Institute of Science and Technology, Nihon University Nihon, Japan

J. Res. Music Educ. (USA) – (JRMEAK)
Journal of Research in Music Education Music Educators National Conference, 1902 Association Drive, Reston, VA 22091, USA

J. Res. Natl. Bur. Stand. (USA) – (JRNBAG)
Journal of Research of the National Bureau of Standards. US Government Printing Office, Washington, DC 20402, USA

J. Res. Natl. Bur. Stand. Sect. A (USA) – (JNBAAR)
Journal of Research of the National Bureau of Standards. Section A (Physics and Chemistry) US Government Printing Office, Washington, DC 20402, USA. Journal merged into one with J. Res. Natl. Bur. Stand. Sect. B (USA) to form J. Res. Natl. Bur. Stand. (USA)

J. Res. Natl. Bur. Stand. Sect. B (USA) – (JNBBAU)
Journal of Research of the National Bureau of Standards. Section B (Mathematics and Mathematical Physics) US Government Printing Office, Division of Public Documents, Washington, DC 20402, USA. Journal merged into one with J. Res. Natl. Bur. Stand. Sect. A (USA) to form J. Res. Natl. Bur. Stand. (USA)

J. Rheol. (USA) – (JORHD2)
Journal of Rheology Formerly: *Trans. Soc. Rheol. (USA)* Published for the Society of Rheology by John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Sci. & Ind. Res. (India) – (JSIRAC)
Journal of Scientific and Industrial Research Sales & Distribution Office, Publications & Information Directorate, Hillside Road, New Delhi 110012, India

J. Sci. Hiroshima Univ. A (Japan) – (JSHAAO)
Journal of Science of the Hiroshima University Publishing Committee of Series A, Department of Chemistry, Faculty of Science, Hiroshima University, Hiroshima 730, Japan

J. Sci. Res. Banaras Hindu Univ. (India) – (JSRBA9)
Journal of Scientific Research of the Banaras Hindu University PO-Banaras Hindu University,, India

J. Sci. Soc. Thailand – (VKSTDB)
Journal of the Science Society of Thailand Chulalongkorn University, Faculty of Science, Bangkok 5, Thailand

J. Signalaufzeichnungsmater. (Germany) – (JSZMAE)
Journal fur Signalaufzeichnungsmaterialien Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany

J. Singapore Natl. Acad. Sci. – (JSNABL)
Journal of the Singapore National Academy of Science Tecco Organisation, 117-b Killiney Road, Singapore 9, Singapore

J. Soc. Environ. Eng. (GB) – (JSEEBM)
Journal of the Society of Environmental Engineers Modino Press Ltd., 50 Pine Grove, London, N20 8LA, England

J. Soc. Instrum. & Control Eng. (Japan) – (KESEA4)
Journal of the Society of Instrument and Control Engineers Kotohira Annexe, 1-15-5 Toranomon, Minato-ku, Tokyo 105, Japan

J. Soc. Mater. Sci. Jpn. (Japan) – (ZARYAQ)
Journal of the Society of Materials Science, Japan 1 Yoshida Izumidono-cho, Sakyo-ku, Kyoto, Japan

J. Soc. Underwater Technol. (GB) – (JSUTDD)
Journal of the Society for Underwater Technology 1 Birdcage Walk, London, SW1H 9JJ, England

J. Solid State Chem. (USA) – (JSSCBI)
Journal of Solid State Chemistry Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Sound & Vib. (GB) – (JSVIAG)
Journal of Sound and Vibration Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England

J. Spacecr. & Rockets (USA) – (JSCRAG)
Journal of Spacecraft and Rockets American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10019, USA

J. Spectrosc. Soc. Jpn. (Japan) – (BUKKAT)
Journal of the Spectroscopical Society of Japan (Bunkyo Kenkyu) 2-15-1, Nakai, Shinjuku-ku, Tokyo 161, Japan

J. Speech & Hear. Res. (USA) – (JSPHAH)
Journal of Speech and Hearing Research American Speech-Language-Hearing Association, 10801 Rockville Pike, Rockville, MA 20852, USA

J. Stat. Comput. & Simulation (GB) – (JSCSAJ)
Journal of Statistical Computation and Simulation Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

J. Stat. Phys. (USA) – (JSTPBS)
Journal of Statistical Physics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Stat. Plann. & Inference (Netherlands) – (JSPIDN)
Journal of Statistical Planning and Inference North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Strain Anal. (GB) – (JSTABH)
Journal of Strain Analysis Institute of Mechanical Engineers, P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

J. Struct. Chem. (USA) – (JSTCAM)
Journal of Structural Chemistry [Translation of: *Zh. Strukt. Khim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

J. Struct. Mech. (USA) – (JSMHA2)
Journal of Structural Mechanics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

J. Symb. Logic (USA) – (JSYLA6)
Journal of Symbolic Logic Association for Symbolic Logic, P.O. Box 6248, Providence, RI 02940, USA

J. Syst. & Software (USA) – (JSSODM)
Journal of Systems and Software Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

J. Syst. Manage. (USA) – (JSYMA9)
Journal of Systems Management Association for Systems Management 24587 Bagley Road, Cleveland, OH 44138, USA

J. Tech. Phys. (Poland) – (JTPHDR)
Journal of Technical Physics Polish Academy of Sciences, Institute of Fundamental Technological Research, Palac Kultury i Nauki, Warszawa, Poland

J. Technol. (India) – (JTBEAD)
Journal of Technology Bengal Engineering College, Howrah, India

J. Test. & Eval. (USA) – (JTEVAB)
Journal of Testing and Evaluation Americal Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA

J. Therm. Anal. (GB) – (JTHEA9)
Journal of Thermal Analysis Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary

J. Therm. Stresses (USA) – (JTSTDA)
Journal of Thermal Stresses McGraw-Hill International Book Co., 1221 Avenue of the Americas, New York, NY 10020, USA

J. Tsing Hua Univ. (China) – (CHHPAH)
Journal of Tsing Hua University Title changed to: *J. Qing Hua Univ. (China)*

J. Univ. Kuwait (Sci.) – (JUKSD8)
Journal of the University of Kuwait (Science) Faculty of Science, Kuwait

J. Urban Anal. (GB) – (JURAAK)
Journal of Urban Analysis Gordon & Breach Science Publishers Ltd., 42 William IV Street, Lonson WC2N 4DE, England

J. Vac. Sci. & Technol. (USA) – (JVSTAL)
Journal of Vacuum Science and Technology American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Vac. Soc. Jpn. (Japan) – (SHINAM)
Journal of the Vacuum Society of Japan Kikai Shinko Building, 5-8 Shibakoen, 3 - chome, Minato-ku, Tokyo, Japan

J. Water Pollut. Control Fed. (USA) – (JWPFA5)
Journal Water Pollution Control Federation Water Pollution Control Federation, 2626 Pennsylvania Avenue, N.W., Washington, DC 20037, USA

J. X-Ray Technol. (GB) – (JXRTAU)
Journal of X-Ray Technology Society of X-Ray Technology, c/o Mr. L.A. Newman, 33A Priestland Park Road, Sidcup, Kent, England

Jad. Energ. (Czechoslovakia) – (JADEAQ)
Jaderna Energie SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

JEE (Japan) – (JELEBR)
JEE (Japan Electronic Engineering) Dempa Publications Inc., 11-15 Higashi Gotanda, 1-chome, Shinagawa-ku, Tokyo 141, Japan

JEI-Jpn. Electron. Ind. (Japan) – (JELIB5)
JEI- Japan Electronic Industry Dempa Publications Inc., 11-15 Higashi Gotanda, 1 -chome, Shinagawa-ku, Tokyo 141, Japan

Jemna Mech. & Opt. (Czechoslovakia) – (JMKOA5)
Jemna Mechanika a Optika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Jena Rev. (Germany) – (JNRVAY)
Jena Review VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

JETP Lett. (USA) – (JTPLA2)
JETP Letters [Translation of: *Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Jpn. J. Appl. Phys. (Japan) – (JJAPA5)
Japanese Journal of Applied Physics Publication Office, Daini Toyokaiji Building, 24-8 Shinbashi 4-chome, Minato-bu, Tokyo 105, Japan

Jpn. J. Med. Electron. & Biol. Eng. (Japan) – (IYSEAK)
Japanese Journal of Medical Electronics and Biological Engineering Japan Society of Medical Electronics and Biological Engineering, Kikai-shinko Building, 3-5-8 Shiba-Park, Minato-ku, Tokyo 105, Japan

Jpn. Shipbuild. & Mar. Eng. (Japan) – (JSMEBS)
Japan Shipbuilding & Marine Engineering Japan Association for Technical Information, 4-7-107 Yamazaki-cho, Machida-City, Tokyo 194-01, Japan

Jpn. Telecommun. Rev. (Japan) – (JTCRAN)
Japan Telecommunications Review Nippon Telegraph & Telephone Public Corp., 1-6 Uchisaiwai-cho, 1-chome, Chiyoda-ku, Tokyo 100, Japan

Jurimetrics J. (USA) – (JURJAD)
Jurimetrics Journal Section of Sciences & Technology, American Bar Association, 1155 East 60th Street, Chicago, IL 60637, USA

K. Nor. Vidensk. Selsk. Foerhandl. (Norway) – (KNSFA2)
Kongelige Norske Videnskabers Selskabs Forhandlinger Publisher: F.Bruns Bokhandel, Trondheim, Norway

K. Nor. Vidensk. Selsk. Skr. (Norway) – (KNSSA7)
Kongelige Norske Videnskabers Selskabs Skrifter Publisher: F.Bruns Bokhandel, Trondheim, Norway

Kabel-Cables(Switzerland) – (KACAAK)
Kabel-Cables Kabelwerke Brugg AG, 5200 Brugg, Switzerland

KDD Tech. J. (Japan) – (KTNKAY)
KDD Technical Journal International Communications Research Institute, Tokyo, Japan

Kent Tech. Rev. (GB) – (KTTRAH)
Kent Technical Review George Kent Ltd., Luton, Beds LU3 1AL, England

Kerntechnik (Germany) – (KERTAA)
Kerntechnik Verlag Karl Thiemig KG, Pilgersheimerstrasse 38, D8000 Munchen 90, Germany

Kexue Tongbao (China) – (KHTPAT)
Kexue Tongbao Academia Sinica, Peking, People's Republic of China [English translation in: *Kexue Tongbao (Scientia) (USA)*]

Kexue Tongbao (Scientia) (USA)
Kexue Tongbao (Scientia) [Translation of: *Kexue Tongbao (China)*] Plenum/China Program, 227 West 17th Street, New York, NY 10011, USA

Kibern. & Vychisl. Tekh. (USSR) – (KVYTAS)
Kibernetika i Vychislitel'naya Tekhnika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Kibernetika (USSR) – (KBRNA5)
Kibernetika Agent: Mezhdumarodnaya Kniga, Moskva, USSR [English translation in: *Cybernetics (USA)*]

Kniznice & Ved. Inf. (Czechoslovakia) – (KVIFA8)
Kniznice a Vedecke Informacie Matica Slovenska, Martin, Mudronova 35, Czechoslovakia

Kobunshi Ronbunshu (Japan) – (KBRBA3)
Kobunshi Ronbunshu Society of Polymer Science, Hon Building, 12-8 Ginza 5-chome, Chuo-ku, Tokyo 104, Japan

Kodaikanal Obs. Bull. Ser. A (India) – (KOBAAB)
Kodaikanal Observatory Bulletin, Series A Indian Institute of Astrophysics, Kodaikanal 3, Madurai District, Tamil Nadu, India

Kodaikanal Obs. Bull. Ser. B (India) – (KOBBAE)
Kodaikanal Observatory Bulletin, Series B Indian Institute of Astrophysics, Kodiakanal 3, Madurai District, Tamil Nadu, India

Koezl. Magy. Tud. Akad. Musz. Fiz. Kut. Intez. (Hungary) – (MTIKAV)
Kozlemenyei Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezetenek Hungarian Academy of Sciences, Research Institute for Technical Physics, Budapest, Ujpest 1, P.O. Box 76, Hungary

Koezlekedes Tud. Sz. (Hungary) – (KOSZAZ)
Kozlekedes Tudomanyi Szemle Lapkiado Vallalat, 1073 Budapest, Lenin-Korut 9-11, Hungary

Kogaku to Gijutsu (Japan) – (KTGIAR)
Kogaku to Gijutsu Kansai University, Faculty of Engineering, Senriyama, Suita-shi, 564 Osaka, Japan

Kolloidn. Zh. (USSR) – (KOZHAG)
Kolloidnyi Zhurnal Editorial address: Institute of Physical Chemistry, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Colloid J. USSR (USA)*]

Koncar Strucne Inf. (Yugoslavia) – (KONCDC)
Koncar Strucne Informacije Formerly: *Inf. Rade Koncar (Yugoslavia)* Produzece "Rade Koncar', Post Pret, 304 Fallervo Set, 22 Zagreb, Yugoslavia

Kosm. Issled. (USSR) – (KOISAW)
Kosmicheske Issledovaniya Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Cosmic Res. (USA)*]

Kovove Mater. (Czechoslovakia) – (KOMAAW)
Kovove Materialy Vydavatel'stvo Slovenskej Akademie Vied, Bratislava, Klemensova 19, Czechoslovakia

Krist. & Tech. (Germany) – (KRTEAW)
Kristall und Technik Akademie-Verlag GmbH, Leipziger Strasse 3-4 DDR- 108 Berlin, Germany. Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1, England

Kristallografiya (USSR) – (KRISAJ)
Kristallografiya Akademiya Nauk SSSR, Leninskii Prosp.14, Moskva, USSR [English translation in: *Sov. Phys.-Crystallogr. (USA)*]

Kumamoto J. Sci. (Math.) (Japan) – (KJSAAR)
Kumamoto Journal of Science (Mathematics) Faculty of Science, Kumamoto University, Kumamoto, Japan

Kunstst.-Berat. (Germany) – (KUBEAV)
Kunststoff-Berater Umshau Verlag, 6000 Frankfurt am Main, Stuttgarter Strasse 18-24, Germany

Kvantovaya Elektron., Kiev (USSR) – (KVELA6)
Kvantovaya Elektronika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Kvantovaya Elektron., Moskva (USSR) – (KVEKA3)
Kvantovaya Elektronika Sovetskoe Radio, Moskva, Glavpochtamt, p/ya 693, USSR [English translation in: *Sov. J. Quantum Electron. (USA)*]

Kybernetes (GB) – (KBNTA3)
Kybernetes Thales Publications (W.O.) Ltd., 8 Old Bond Street, London, W1X 3TA, England

Kybernetika (Czechoslovakia) – (KYBNAI)
Kybernetika PNS-vyvos Tisku, Nove Mesto, Jindrisska 14, 12505 Praha 1, Czechoslovakia

Lab. Equip. Dig. (GB) – (LEQDA2)
Laboratory Equipment Digest Morgan-Grampian Ltd., 30 Calderwood Street, Woolwich, London, SE18 6QH, England

Lab. Pract. (GB) – (LABPA3)
Laboratory Practice United Trade Press, 15 Albert Mews, London, W8 5RY, England

Landis & Gyr Rev. (Switzerland) – (LGRVA7)
Landis & Gyr Review 6301 Zug, Switzerland

Larc Rep. (USA) – (LARCAA)
Larc Reports LARC Association, P.O. Box 27235, Tempe, AZ 85282, USA

Laser & Elektro-Opt. (Germany) – (LELOAA)
Laser und Elektro-Optik AT-Fachverlag GmbH, 7000 Stuttgart 50, Postfach 50 01 80, Konig-Karl-Strasse 19, Germany

Laser & Unconv. Opt. J. (Sweden) – (LONCAK)
Laser and Unconventional Optics Journal European Abstracts Service, Box 12035, S-402 41 Goteborg 12, Sweden

Laser Focus (USA) – (LAFOAK)
Laser Focus Advanced Technology Publications Inc., 1001 Watertown Street, Newton, MA 02165, USA

LASIE (Australia) – (IBLEAS)
LASIE (Information Bulletin of the Library Automated Systems Information Exchange) Formerly: *Inf. Bull. Libr. Autom. Syst. Inf. Exch. (Australia)* Editorial address: Department of Library and Information Studies, Kuring-gai College of Advanced Education, P.O.Box 222, Lindfield, N.S.W. 2070, Australia

Latv. PSR Zinat. Akad. Vestis (USSR) – (LZAVAL)
Latvijas PSR Zinatnu Akademijas Vestis Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR

Latv. PSR Zinat. Akad. Vestis Fiz. Teh. Zinat. Ser. (USSR) – (LZFTA6)
Latvijas PSR Zinatnu Akademijas Vestis, Fizikas un Tehnisko Zinatnu Serija Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR

Law & Comput. Technol. (USA) – (LACTAK)
Law and Computer Technology World Peace Through Law Center, Section on Law and Computer Technology, 839 - 17th Street, N.W., Washington, DC 20006, USA

Lett. Appl. & Eng. Sci. (GB) – (LAESBS)
Letters in Applied & Engineering Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Merged with Int. J. Eng. Sci. (GB)

Lett. Heat & Mass Transfer (GB) – (LHMTBI)
Letters in Heat and Mass Transfer Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Lett. Math. Phys. (Netherlands) – (LMPHDY)
Letters in Mathematical Physics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Lett. Nuovo Cimento (Italy) – (LNUCAE)
Lettere el Nuovo Cimento Editrice Compositore s.r.l., Viale XII Giugno 1, 40124 Bologna, Italy

LEW-Nachr. (Germany) – (LEWNAS)
LEW-Nachrichten Kombinat VEB Lokomotivbau-Elektrotechnische Werke 'Hans Beimler', 1422 Henningdorf, Germany

Libr. & Inf. Sci. (Japan) – (LIFSBL)
Library and Information Science Mita Society of Library and Information Science, c/o School of Library and Information Science, Keio University, Mita, Minato-ku, Tokyo 108, Japan

Libr. Assoc. Rec. (GB) – (LASRAQ)
Library Association Record 7 Ridgmount Street, London, WC1E 7AE, England

Libr. Q. (USA) – (LIBQAS)
Library Quarterly University of Chicago Press, 11030 S. Langley Avenue, Chicago, IL 60628, USA

Libr. Resour. & Tech. Serv. (USA) – (LRTSAH)
Library Resources & Technical Services American Library Association, Resources and Technical Service Division, 1201-05 Bluff Street, Fulton, MO 65251, USA

Licht (Germany) – (LCHTAP)
Licht Formerly: *Lichttechnik (Germany)* Dr. Alfred Huthig Verlag, 6900 Heidelberg 1, Postfach 10 28 69, Germany

Lichtbogen (Germany) – (LIBOAM)
Der Lichtbogen Chemische Werke Huls AG, 4370 Marl, Kreis Recklinghausen, Germany

Lichttechnik (Germany) – (LITKAW)
Lichttechnik Title changed to: *Licht (Germany)*

Liet. TSR Mokslu Akad. Darbai B Ser.(USSR) – (LMDBAL)
Lietuvos TSR Mokslu Akademijos Darbai, B Serija Vilnius, Lenino pr. 3, USSR

Light & Light. & Environ. Des. (GB) – (LLEDDS)
Light and Lighting and Environmental Design Formerly: *Light & Light. (GB)* Chartered Institution of Building Services, 49 Cadogan Square, London, SW1X 0JB, England. Journal merged with Build Serv. Eng. (GB) to form J. Chart, Inst. Build. Serv. (GB)

Light & Light. (GB) – (LILIAK)
Light and Lighting Title changed to: *Light & Light. & Environ. Des. (GB)*

Light. Equip. News (GB) – (LIENAY)
Lighting Equipment News Troup Publications, Maclean Hunter Ltd., 30 Old Burlington Street, London, W1X 2AE, England

Light. Res. & Technol. (GB) – (LRTEA9)
Lighting Research and Technology Lighting Division, Chartered Institution of Building Services, 49 Cadogan Square, London SW1X 0JB, England

Linde Rep. Sci. & Technol. (Germany) – (LRSTAF)
Linde Reports on Science and Technology Linde Aktiengesellschaft, Abraham Lincoln-Strasse 21, D-6200 Wiesbaden, Germany

Linear Algebra & Appl. (USA) – (LAAPAW)
Linear Algebra and its Applications Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Litov. Fiz. Sb. (USSR) – (LFRMA7)
Litovskii Fizicheskii Sbornik Lietvos TSR Mokslu Akademijos, Centrine Biblioteka, Pozelos g-ve 2/8, Vilnius, USSR [English translation in: *Sov. Phys.-Collect. (USA)*]

Ljuskultur (Sweden) – (LJUSAY)
Ljuskultur Publication address: Skeppargatan 27, Box 5512, 11485 Stockholm, Sweden

Logist. & Transp. Rev. (Canada) – (LGTRA5)
Logistics and Transportation Review Faculty of Commerce, University of British Columbia Vancouver V6T 1W5, Canada

Low Temp. Sci. Ser. A (Japan) – (TEKAAH)
Low Temperature Science Series A, Physical Sciences Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan

LSE Eng. Bull. (GB) – (LSEBAY)
LSE Engineering Bulletin Laurence, Scott and Electromotors, Frankland Moor House, 185-7 High Road, Norwich, NOR 85A, England

Lucas Eng. Rev. (GB) – (LEGRAS)
Lucas Engineering Review Joseph Lucas Ltd., Great King Street, Birmingham B19 2XF, England

Lucr. ICPE (Rumania) – (LICPAU)
Lucrarile ICPE Institut de Cercetare si Projectare Pentru Industria Electrotehnica, Bd. T. Vladirnirescu No. 45-47, Raionul V.I. Lenin, Bucuresti, Rumania

Luft- & Kaeltetech. (Germany) – (LUKAA7)
Luft- und Kaltetechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

M.A.N. Res. Eng. Manuf. (Germany) – (MANEB8)
M.A.N. Research Engineering Manufacturing Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft, D 89 Augsburg, Germany

Mach. & Prod. Eng. (GB) – (MPREAU)
Machinery and Production Engineering Machpress Ltd., 1 Copers Cope Road, Beckenham, Kent BR3 1NB, England

Mach. & Tool. (GB) – (MCTOAD)
Machines and Tooling [Translation of: *Stanki & Instrum. (USSR)*] Production Engineering Research Association, Melton Mowbray, Leics. LE13 OPB, England

Mach. Des. (USA) – (MADEAP)
Machine Design Penton/IPC Inc., Penton Plaza, Cleveland, OH 44114, USA

Mach. Lloyd Int. (GB) – (MLINCK)
Machinery Lloyd International Morgan Publications Ltd., 172-174 Kingston Road, Ewell, Surrey, England

Macromol. Rev. (USA) – (MCMRAL)
Macromolecular Reviews Formerly: *J. Polym. Sci. Macromol. Rev. (USA)* John Wiley & Son Inc., 605 Third Avenue, New York, NY 10016, USA

Mag. Concr. Res. (GB) – (MCORAV)
Magazine of Concrete Research Cement & Concrete Association, Wexham Springs, Slough SL3 6PL, England

Magn. Gidrodin. (USSR) – (MAGIAI)
Magnitnaya Gidrodinamika Akademiya Nauk Latviiskoi SSR, 'Zinatne', ul Smilshu 1, Riga 47, USSR [English translation in: *Magnetohydrodynamics (USA)*]

Magn. Lett. (GB) – (MALEDY)
Magnetism Letters Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Magn. Resonance Rev. (GB) – (MRSRBL)
Magnetic Resonance Review Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Magnetohydrodynamics (USA) – (MGHDAG)
Magnetohydrodynamics [Translation of: *Magn. Gidrodin. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Magy. Fiz. Foly. (Hungary) – (MGFFAC)
Magyar Fizikai Folyoirat Alkotmany Utca 21 sz., 1363 Budapest 5, Hungary

Manage. Datamatics (Netherlands) – (MADADG)
Management Datamatics Noordhoff International Publishing, P.O. Box 26, Leyden, Netherlands

Manage. Sci. (USA) – (MSCIAM)
Management Science Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA

Manage. Serv. (GB) – (MASEDZ)
Management Services Institute of Management Services, 1 Cecil Court, London Road, Enfield, Middx EN2 6DD, England

Manage. Serv. Gov. (GB) – (MNSGBS)
Management Services in Government Civil Service Department, Management Services, Whitehall, London, SW1A 2AZ, England

Manage. Z. IO (Switzerland) – (IIOODN)
Management Zeitschrift IO (Industrielle Organization) Verlag Industrielle Organisation, Zurichbergstrasse 18, CH-8028 Zurich, Switzerland

Management (Denmark) – (MMNEAN)
Management Teknisk Forlag A/S Skelbaekgade 4, 1717 Kobenhavn V, Denmark

Mar. Behav. & Physiol. (GB) – (MBPHAX)
Marine Behaviour and Physiology Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Mar. Geophys. Res. (Netherlands) – (MGYRA7)
Marine Geophysical Researches D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Mar. Pollut. Bull. (GB) – (MPNBAZ)
Marine Pollution Bulletin Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Mar. Technol. (Germany) – (MARTA4)
Marine Technology (Meerestechnik) Title changed to: *MT Meerestech. (Germany)*

Mar. Technol. Soc. J. (USA) – (MTSJBB)
Marine Technology Society Journal 1730 M Street N.W., Suite 412, Washington, DC 20036, USA

Marconi Instrum. (GB) – (MRCIAF)
Marconi Instrumentation Marconi Instruments Ltd., St. Albans, Herts, England

Marconi Rev. (GB) – (MARVAA)
Marconi Review Marconi Co., Marconi Research Laboratories, West Hanningfield Road, Great Baddow, Essex CM2 8HN, England

Marelli (Italy) – (MARLAE)
Marelli Title changed to: *Ercole Marelli (Italy)*

Maschinenmarkt (Germany) – (MAMKAK)
Maschinenmarkt Vogel-Verlag, Postfach 67 40, 8700 Wurzburg 1, Germany

Maschinenschaden (Germany) – (MSCNA3)
Der Maschinenschaden Allianz Versicherungs-AG, Koniginstrasse 28, Postfach 24, D-8000 Munchen 44, Germany

Mass Spectrosc. (Japan) – (SHIBAK)
Mass Spectroscopy Mass Spectroscopy Society of Japan, c/o Department of Chemistry, Faculty of Liberal Arts and Sciences, University of Osaka Prefecture, Sakai-shi, Osaka, Japan

Mat. Fiz. (USSR) – (MAFIAD)
Matematischeskaya Fizika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Mat.-Fys. Medd. Dan. Vidensk. Selsk. (Denmark) – (KDVSAK)
Matematisk-Fysiske Meddelelser Konglige Danske Videnskabernes Selskab Dantes Plads 5, DK-1556 Copenhagen V. Publisher: Munksgaard Ltd., 6 Norregade, DK-1165 Copenhagen K, Denmark

Mater. Eval. (USA) – (MAEVAD)
Materials Evaluation Society for Nondestructive Testing, 3200 Riverside Drive, Columbus, OH 43221, USA

Mater. Handl. Eng. (USA) – (MHENA4)
Material Handling Engineering Penton/IPC Inc., 614 Superior Avenue West, Cleveland, OH 44113, USA

Mater. Res. AECL (Canada) – (MRAEBS)
Materials Research in AECL Atomic Energy of Canada Ltd., Chalk River, Ontario, Canada

Mater. Res. Bull. (USA) – (MRBUAC)
Materials Research Bulletin Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Mater. Sci. & Eng. (Switzerland) – (MSCEAA)
Material Science and Engineering Elsevier Sequoia S.A., P.O. Box 851, 1001-Lausanne 1, Switzerland

Mater. Sci. (Poland) – (MSCJDS)
Materials Science Wydawnictwo Politechniki Wroclawskiej, Wybreze Wyspianskiego 27, 50-370 Wroclaw, Poland

Mater. Semin. Kibern. (USSR) – (MSKBA7)
Materialy Seminara po Kibernetike Izdatel'stvo 'Shtiintsa', Kishinev, USSR

Mater. Test. (Germany) – (MTPRAJ)
Materials Testing VDI-Verlag GmbH, Graf-Recke-Strasse 84, Postfach 1139, 4 Dusseldorf 1, Germany

Math. & Comput. Simulation (Netherlands) – (MCSIDR)
Mathematics and Computers in Simulation North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Math. Balk. (Yugoslavia) – (MTMBBP)
Mathematica Balkanica Beograd, pp 550, Studentski trg 16, Yugoslavia

Math. Biosci. (USA) – (MABIAR)
Mathematical Biosciences Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Math. Comput. (USA) – (MCMPAF)
Mathematics of Computation Published for the National Academy of Sciences—National Research Council by the American Mathematical Society, P.O. Box 6248, Providence, RI 02904, USA

Math. Oper. Res. (USA) – (MOREDQ)
Mathematics of Operations Research Operations Research Society of America, Business Office, 428 East Preston Street, Baltimore, MD 21202, USA. The Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903

Math. Operationsforsch. & Stat. Ser. Optimiz. (Germany)
Mathematische Operationsforschung und Statistik Series Optimization Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Math. Operationsforsch. & Stat. Ser. Stat. (Germany) – (MOSSD5)
Mathematische Operationsforschung und Statistik Series Statistics Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Math. Proc. Cambridge Philos. Soc. (GB) – (MPCPCO)
Mathematical Proceedings of the Cambridge Philosophical Society Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

Math. Program. (Netherlands) – (MHPGA4)
Mathematical Programming North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Math. Program. Stud. (Netherlands) – (MPSTDF)
Mathematical Programming Studies North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Math. Slovaca (Czechoslovakia) – (MASLDM)
Mathematica Slovaca Publishing House VEDA of the Slovak Academy of Sciences, 895 30 Bratislava, Klemensova 19, Czechoslovakia

Math. Spectrum (GB) – (MSPEB8)
Mathematical Spectrum Applied Probability Trust. Editorial address: Hicks Building, The University, Sheffield, S3 7RH, England

Math. Syst. Theory (USA) – (MASTBA)
Mathematical Systems Theory Springer Verlag New York, 175 Fifth Avenue, New York, NY 10010, USA

Matrix & Tensor Q. (GB) – (MATQA5)
Matrix and Tensor Quarterly Tensor Society of Great Britain, The Lyon Playfair Library, Imperial College, London, SW7 2AZ, England

Meas. & Control (GB) – (MEACBX)
Measurement and Control Institute of Measurement & Control, 20 Peel Street, London, W8 7PD, England

Meas. & Insp. Technol. (GB)
Measurement and Inspection Technology IPC Industrial Press Ltd., Dorset House, Stamford Street, London SE1 9LU, England

Meas. Tech. (USA) – (MSTCAL)
Measurement Techniques [Translation of: *Izmer. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Meccanica (Italy) – (MECCB9)
Meccanica Pitagora Editrice, via Zamboni 57, 40126 Bologna, Italy

Mech. & Mach. Theory (GB) – (MHMTAS)
Mechanism and Machine Theory Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Mech. Autom. Adm. (Czechoslovakia) – (MAUAAU)
Mechanizace Automatizace Administrativy SNTL, 113 02 Praha 1, Spalena 51, Czechoslovakia

Mech. Eng. (USA) – (MEENAH)
Mechanical Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Mech. Res. Commun. (GB) – (MRCOD2)
Mechanics Research Communications Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Mech. Teor. & Stosow. (Poland) – (MTYSAX)
Mechanika Teoretyczna i Stosowana Polska Akademia Nauk, 00-049 Warszawa, Ut. Swietokrzyska 21, Poland

Med. & Biol. Eng. & Comput. (GB) – (MBECDY)
Medical & Biological Engineering & Computing Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Med. Inf. (GB) – (M1NFDZ)
Medical Informatics - Medecine et Informatique Taylor & Francis Ltd., 10-14 Macklin Street, London WC2B 5NF, England

Med. Instrum. (USA) – (MLISBY)
Medical Instrumentation Association for the Advancement of Medical Instrumentation, 1901 North Fort Myer Drive, Suite 602, Arlington, VA22209, USA

Med. Phys. (USA) – (MPHYA6)
Medical Physics Published for the American Association of Physicists in Medicine by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Med. Prog. Technol. (Germany) – (MDPTBG)
Medical Progress Technology Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Med. Res. Eng. (USA) – (MDREBF)
Medical Research Engineering Medical-Research-Technology, Woods Road, Great Notch, Little Falls, NJ 07424, USA

Med. Tekh. (USSR) – (MEDTBV)
Meditsinskaya Tekhnika Editorial address: All-Union Scientific-Research Institute of Medical Instruments, Moscow, USSR [English translation in: *Biomed. Eng. (USA)*]

Meded. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium) – (MKAWAW)
Mededelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie Paleis der Academien, Hertogsstraat 1, B-1000 Bruxelles, Belgium

Medicamundi (Netherlands) – (MEMUAA)
Medicamundi Philips Gloeilampenfabrieken, Eindhoven, Netherlands

Medicor News (Hungary) – (MENED4)
Medicor News P.O. Box 150, H-1389 Budapest, Hungary

Meiden Rev. (Int. Ed.) (Japan) – (MREVDX)
Meiden Review (International Edition) Meidensha Electric Manufacturing Co. Ltd., New Ohtemachi Building, 2-1, 2-chome, Ohte-machi, Chiyoda-ku, Toyko, Japan

Mekh. & Avtom. Proizvod. (USSR) – (MAVPAC)
Mekhanizatsiya i Avtomatizatsiya Proizvodstva Editorial address: Moskva K51, Tuonya ul. d 17, USSR

Mekh. & Avtom. Upr. (USSR) – (MAUPA7)
Mekhanizahriya i Avtomahzatsiya Upravleniya Editorial address: 252171 Kiev, ul. Gor'kogo 180, USSR

Mekh. Polim. (USSR) – (MKPLA6)
Mekhanika Polimerov Latvian Academy of Sciences, Riga, USSR [English translation in: *Polym. Mech. (USA)*]

Mekh. Tverd. Tela (USSR) – (MTVTBM)
Mekhanika Tverdogo Tela Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Mem. Chubu Inst. Technol. (Japan) – (CHUMA5)
Memoirs Chubu Institute of Technology Publications Office, Chuba Institute of Technology, Kasugai, Nagoya-sub, 487, Japan

Mem. Def. Acad. (Japan) – (MDPCAW)
Memoirs of the Defense Academy Defense Academy, Hashirimizv 1-10-20, Yokosuka 239, Japan

Mem. Fac. Eng. Hiroshima Univ. (Japan) – (MFEHA6)
Memoirs of the Faculty of Engineering, Hiroshima University 3-chome Sendamachi, Hiroshima City, Japan

Mem. Fac. Eng. Hokkaido Univ. (Japan) – (MEHUAJ)
Memoirs of the Faculty of Engineering, Hokkaido University, North 12, West 8, Sapporo, Japan

Mem. Fac. Eng. Kobe Univ. (Japan) – (MFEKAF)
Memoirs of the Faculty of Engineering, Kobe University Rokkodai-cho, Nada-ku, Kobe, Japan

Mem. Fac. Eng. Kumamoto Univ. (Japan) – (MEKMAA)
Memoirs of the Faculty of Engineering Kumamoto University University of Kumamoto, Faculty of Engineering, Kumamoto, Japan

Mem. Fac. Eng. Kyoto Univ. (Japan) – (MEKYAC)
Memoirs of the Faculty of Engineering, Kyoto University Kyoto, Japan

Mem. Fac. Eng. Kyushu Univ. (Japan) – (MEKSAS)
Memoirs of the Faculty of Engineering, Kyushu University Fukuoka, Kyushu, Japan

Mem. Fac. Eng. Nagoya Univ. (Japan) – (MENAAN)
Memoirs of the Faculty of Engineering, Nagoya University Furo-cho, Chikusa-ku, Nagoya, Japan

Mem. Fac. Eng. Osaka City Univ. (Japan) – (MFEOAR)
Memoirs of the Faculty of Engineering, Osaka City University 459 Sugimoto-cho, SumiYoshi-kum, Osaka, Japan

Mem. Fac. Ind. Arts Kyoto Tech. Univ. Sci. & Technol. (Japan) – (MIAKAG)
Memoirs of the Faculty of Industrial Arts, Kyoto Technical University. Science and Technology Matsugaski, Sakyoku, Kyoto 606, Japan

Mem. Fac. Sci. Kyoto Univ. Ser. Phys. Astrophys. Geophys. Chem. (Japan) – (MFKPAQ)
Memoirs of the Faculty of Science Kyoto University, Series of Physics, Astrophysics, Geophysics and Chemistry Kitashirakawa, Sakyo Ku, Kyoto, Japan

Mem. Fac. Sci. Kyushu Univ. Ser. B (Japan) – (MFKBAI)
Memoirs of the Faculty of Science, Kyushu University, Series B Fukuoka, Kyushu, Japan

Mem. Fac. Sci. Kyushu Univ. Ser. C (Japan) – (MFKCAL)
Memoirs of the Faculty of Science, Kyushu University, Series C Fukuoka, Kyushu, Japan

Mem. Fac. Technol. Kanazawa Univ. (Japan) – (KDKOAL)
Memoirs of the Faculty of Technology, Kanazawa University Kanazawa, Japan

Mem. Fac. Technol. Tokyo Metrop. Univ. (Japan) – (MTTMAO)
Memoirs of Faculty of Technology, Tokyo Metropolitan University Fukazawa 2-1-1, Setagaya, Tokyo, Japan

Mem. Kyushu Inst. Technol. Eng. (Japan) – (MKIEBJ)
Memoirs of the Kyushu Institute of Technology. Engineering Tobata, Kitakyushu, Japan

Mem. R. Astron. Soc. (GB) – (MRYAAX)
Memoirs of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Mem. Res. Inst. Sci. & Eng. Ritsumeikan Univ. (Japan) – (RDRKAJ)
Memoirs of the Research Institute of Science & Engineering Ritsumeikan University Kyoto, Japan

Mem. Sci. Rev. Metall. (France) – (MRMTAU)
Memoires Scientifiques de la Revue de Metallurgie 5 Rue Paul Cezanne, 75008 Paris, France

Mem. Soc. Astron. Ital. (Italy) – (MSATAB)
Memorie della Societa Astronomica Italiana Osservatorio Astronomico di Brera, Via Brera 28, 20121 Milano, Italy

Mem. Soc. R. Sci. Liege 4° (Belgium) – (MSRLA4)
Memoires de la Societe Royal des Sciences de Liege. Collection in-4 L'Universite, 7 Place du 20 Aout, Liege, Belgium

Mem. Soc. R. Sci. Liege 8° (Belgium) – (MRSLA2)
Memoires de la Societe Royal des Sciences de Liege. Collection in-8 L'Universite, 7 Place du 20 Aout, Liege, Belgium

Mercury (USA) – (MRCYAT)
Mercury Astronomical Society of the Pacific, 1290 24th Avenue, San Francisco, CA 94122, USA

Mereni a Regulace (Czechoslovakia) – (MERRAQ)
Mereni a Regulace Research Institute for Automation Systems Pluku 12a, Praha 8-Karlin, Czechoslovakia

Meres & Autom. (Hungary) – (MEAUAI)
Meres es Automatika Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary

Mes. Regul. Autom. (France) – (MRAUA7)
Mesures, Regulation, Automatisme 40 rue de Colisee, 75008 Paris, France

Mess. & Pruef. (Germany) – (MSPNBZ)
Messen & Prufen Hans Holzman Verlag KG, 8939 Bad Worishofen, Gewerbestrasse 2, Postfach 460 und 480, Germany

Mess. & Zaehlen Regist. (Germany) – (MZRGA4)
Messen & Zahlen Registrieren kontron Elektronik GmbH, 8051 Eching bei Munchen, Industriegebiet 1, Germany

Met. & Mater. (GB) – (MEMTA7)
Metals and Materials Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Met. Forum (Australia) – (MEFODS)
Metals Forum Formerly: *J. Australas. Inst. Met. (Australia)* Published for the Australasian Institute of Metals by: Pergamon Press Australia, 19a Boundary Street, Rushcutters Bay, N.S.W. 2011, Australia

Met. Sci. & Heat Treat. (USA) – (MHTRAN)
Metal Science and Heat Treatment [Translation of: *Metalloved. & Term. Obrab. Met. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Met. Sci. (GB) – (METSC7)
Metal Science Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Metal. & Electr. (Spain) – (MYELAF)
Metalurgia y Electricidad Metalurgia y Electricidad, Apartado de Correos 756, Madrid 10, Spain

Metall. Trans. A (USA) – (MTTABN)
Metallurgical Transactions A (Physical Metallurgy and Materials Science) Metallurgical Society of American Institute of Mining, Metallurgical & Petroleum Engineers Inc., P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA15086, USA

Metall. Trans. B (USA) – (MTTBCR)
Metallurgical Transactions B (Process Metallurgy) Metallurgical Society of American Institute of Mining, Metallurgical & Petroleum Engineers, P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA 15086, USA

Metallofizika, Kiev (USSR) – (MFIZAC)
Metallofizika Izdatel'stvo 'Naukova Dumka', Kiev, Ul. Repina 3, USSR

Metallography (USA) – (MEIJAP)
Metallography Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Metalloved. & Term. Obrab. Met. (USSR) – (MTOMAX)
Metallovedenie i Termicheskaya Obrabotka Metallov Moskva, GSP-110, Prospekt Mira 106, USSR [English translation in: *Met. Sci. & Heat Treat. (USA)*]

Metalwork. Prod. (GB) – (MWPDAW)
Metalworking Production Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

Meteoritics (USA) – (MERTAW)
Meteoritics Published jointly by The Meteoritical Society and Arizona State University Bureau of Publications, USA. Editorial address: Center for Meteorite Studies, Arizona State University, Tempe, Ariz. 85281

Meteorol. & Gidrol. (USSR) – (MEGIAC)
Meteorologiya i Gidrologiya 123376 Moskva, D-376, Bol'shevistskaya Ul., D.13 Komn. 114, USSR [English translation in: *Sov. Meteorol. & Hydrol. (USA)*]

Meteorol. Ann. (Norway) – (MEANAV)
Meteorologiske Annaler Norske Meteorologiske Institutt (i samarbeid med Universitetets Institutt for Teoretisk Meteorlogi), Norway

Meteorol. Mag. (GB) – (MTMGA5)
Meteorological Magazine Director General Meteorological Office, London Road, Bracknell, Berks RG12 2SZ, England

Meteorol. Rundsch. (Germany) – (MERUAZ)
Meteorologische Rundschau Gebr. Borntraeger, D-7000 Stuttgart 1, Johannestrasse 3A, Germany

Methods Inf. Med. (Germany) – (MIMCAI)
Methods of Information in Medicine F.K. Schattauer Verlag GmbH, 7 Stuttgart 1, Postfach 2945, Lenzhalde 3, Germany

Metra (France) – (MTRAAC)
Metra SEMA (Metra International), 16-18 Rue Barbes, 92128 Montrouge, France

Metrika (Austria) – (MTRKA8)
Metrika Physica-Verlag Rudolf Liebing K.G., A-1010 Wien, Seilerstatte 18 (Hofels), Austria

Metrol. & Insp. (GB) – (MEOIAI)
Metrology and Inspection IPC Industrial Press Ltd., 33-40 Bowling Green Lane, London, EC1R 0NE, England

Metrol. Apl. (Rumania) – (MAPBA8)
Metrologia Aplicata Editorial address: Institutul National de Metrologie, Sos. Vitan-Birzesti Nr 11, Sector 5, Bucuresti, Rumania

Metrologia (Germany) – (MTRGAU)
Metrologia Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Micomp (Switzerland) – (MCMPDI)
Micomp Drapalik-Verlag, Eichstrasse 24, CH-8045 Zurich, Switzerland

Microcomput. Anal. (GB) – (MCANDK)
Microcomputer Analysis Mackintosh Publications Ltd., P.O. Box 28, Luton LU1 5DB, England

Microdoc (GB) – (MICDB6)
Microdoc Microfilm Association of Great Britain, 8, High Street, Guildford GU2 5AJ, England

Microelectron. & Reliab. (GB) – (MCRLAS)
Microelectronics and Reliability Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Microelectron. J. (GB) – (MICEB9)
Microelectronics Journal Formerly: *Microelectronics (GB)* Mackintosh Publications Ltd., Mackintosh House, Napier Road, Luton, Beds. LU1 1RG, England

Microelectronics (GB) – (MICEB9)
Microelectronics Title changed to: *Microelectron. J. (GB)*

Microform Rev. (USA) – (MFRVAB)
Microform Review Microform Review Inc., 520 Riverside Avenue, P.O. Box 405, Saugatuck Station, Westport, CT 06880, USA

Micron (GB) – (MICNB2)
Micron Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Microprocess. & Microsyst. (GB) – (MIMID5)
Microprocessors and Microsystems Formerly: *Microprocessors (GB)* IPC Science and Technology Press Ltd., Westbury House, Bury Street, Guildford GU2 5AW, Surrey, England

Microprocessors (GB) – (MCRPD9)
Microprocessors Title changed to: *Microprocess. & Microsyst. (GB)*

Microsc. Acta (Germany) – (MSACCU)
Microscopica Acta S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

Microscope (GB) – (MICRAD)
Microscope Microscope Publications Ltd., 28 Southway, Carshalton Beeches, Surrey SM5 4HW, England

Microtecnic (Switzerland) – (MITCAJ)
Microtecnic Agifa Verlag AG, Universitatstrasse 94, Postfach 257, CH-8033 Zurich, Switzerland

Microwave J. (USA) – (MCWJAD)
Microwave Journal 610 Washington Street, Dedham Plaza, Dedham, MA 02026, USA

Microwave Syst. News (USA) – (MWSNA9)
Microwave Systems News Title changed to: *MSN Microwave Syst. News (USA)*

Microwaves (USA) – (MCRWAR)
Microwaves Hayden Publishing Co., 50 Essex Street, Rochelle Park, NJ 07662, USA

Mikroelektronika (USSR)
Mikroelektronika Akademiya Nauk SSSR, Moskva, USSR [English translation in: *Sov. Microelectron. (USA)*]

Mil. Electron./Countermeas. (USA)
Military Electronics/Countermeasures Hamilton Burr Publishing Co., 2065 Martin Avenue, Suite 104, Santa Clara, CA 95050, USA

Min. Technol. (GB) – (MNGTB7)
Mining Technology Association of Mining Electrical & Mechanical Engineers Marylebone Press Ltd., 25 Cross Street, Manchester M2 1WL, England

Mini-Micro Software (GB) – (MMSFDK)
Mini-Micro Software Formerly: *Small Syst. Software (GB)* A.P. Publications Ltd., 322 St. John Street, London EC1V 4QH, England

Mini-Micro Syst. (USA) – (MISYDF)
Mini-Micro Systems Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Minicomput. Rev. (USA) – (MINRD3)
Minicomputer Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

Minor Planet Circ. (USA) – (MPCIB2)
Minor Planet Circulars Minor Planet Center, Smithsonion Astrophysical Observatory, Cambridge, MA 02138, USA

Minoseg & Megbizhatosag (Hungary)
Minoseg es Megbizhatosag Budapest V, Jozsef Attila u. 24, Hungary. Subscription address: Kultura, Budapest 1, Fo u. 32

Mitsubishi Denki Giho (Japan) – (MTDNAF)
Mitsubishi Denki Giho Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan

Mitsubishi Denki Lab. Rep. (Japan) – (MDLRAN)
Mitsubishi Denki Laboratory Reports Research Laboratory, Mitsubishi Electric Manufacturing Company, Amagasaki, Japan

Mitsubishi Electr. Adv. (Japan) – (MEADD4)
Mitsubishi Electric Advance Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan

Mitsui Tech. Rev. (Japan) – (MIZGAR)
Mitsui Technical Review Mitsui Shipbuilding & Engineering Co. Ltd., 6-4 Tsukiji 5-Chome, Chuo-Ku, Tokyo, Japan

Mitt. AGEN (Switzerland) – (AENMAT)
Mitteilungen der Arbeitsgemeinschaft fur Elektrische Nachrichtentechnik der Stiftung Hasler-Werke, Bern Geschaftsstelle der AGEN Institut fur Technische Physik, ETH-Aussenstation, Honggerberg Postfach, 8049 Zurich, Switzerland

Mitt. Astron. Ges. (Germany) – (MASGC6)
Mitteilungen der Astronomischen Gesellschaft Astronomisches Institut der Universitat Tubingen, Tubingen, Germany

Mitt. Max-Planck-Ges. (Germany) – (MMPGA5)
Mitteilungen aus der Max-Planck-Gesellschaft Munchen 1, Residenzstrasse 1a, Eingang Hofgartenstrasse, Postfach 647, Germany

Mod. Geol. (GB) – (MOGEB3)
Modern Geology Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Mod. Mach. Shop (USA) – (MMASAY)
Modern Machine Shop Gardner Publications Inc., 600 Main Street, Cincinnati, OH 45202, USA

Mod. Mater. Handl. (USA) – (MMHHA2)
Modern Materials Handling Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Mod. Off. & Data Manage. (Australia) – (MODMDE)
Modern Office & Data Management Rydge Publications Pty. Ltd., 74 Clarence Street, Sydney, N.S.W. 2001, Australia

Mod. Power & Eng. (Canada) – (MPENAQ)
Modern Power and Engineering Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Mod. Railw. (GB) – (MORABC)
Modern Railways Ian Allan, Terminal House, Shepperton, Middx., TW17 8AS, England

Mol. Cryst. & Liq. Cryst. (GB) – (MCLCA5)
Molecular Crystals and Liquid Crystals Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Mol. Cryst. & Liq. Cryst. Lett. (GB) – (MCLCA5)
Molecular Crystals and Liquid Crystals Letters Gordon & Breach Science Publishers Ltd. 41 & 42 William IV Street, London, WC2, England

Mol. Phys. (GB) – (MOPHAM)
Molecular Physics Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Mon. Not. R. Astron. Soc. (GB) – (MNRAA4)
Monthly Notices of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Mon. Notes Astron. Soc. South Afr. (S. Africa) – (MASAAK)
Monthly Notes of the Astronomical Society of Southern Africa South African Astronomical Observatory, P.O. Box 9. Observatory, Cape, South Africa

Mon. Tech. Rev. (Germany) – (MTCRAM)
Monthly Technical Review VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

Monitor (Australia) – (MONIDI)
Monitor Institution of Radio & Electronics Engineers Australia, Science Centre, 35-43 Clarence Street, Sydney, NSW 2000, Australia

Monogr. Res. Inst. Appl. Electr. (Japan) – (MSHUAF)
Monograph of the Research Institute of Applied Electricity Research Institute of Applied Electricity, Hokkaido University, Sapporo 060, Japan

Moon & Planets (Netherlands) – (MOPLD3)
Moon and the Planets Formerly: *Moon (Netherlands)* D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

Moon (Netherlands) – (MOONB2)
Moon Title changed to: *Moon & Planets (Netherlands)*

Morsk. Gidrofiz. Issled. (USSR) – (MGFIBM)
Morskie Gidrofizicheskie Issledovaniya Akademiya Nauk UkSSR, Morskoi Gidrofizicheskie Institut, Sevastopol, USSR

Moscow Univ. Comput. Math. & Cybern. (USA)
Moscow University Computational Mathematics and Cybernetics [Translation of: *Vestn. Mosk. Univ. Ser. 15 (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Moscow Univ. Phys. Bull. (USA) – (MUPBAC)
Moscow University Physics Bulletin [Translation of: *Vestn. Mosk. Univ. Fiz. Astron. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Mot. Ship (GB) – (MOSHA3)
Motor Ship IPC Business Press Ltd., Dorset House, Stamford Street, London SE1 9LU, England

MSN Microwave Syst. News (USA)
MSN Microwave Systems News Formerly: *Microwave Syst. News (USA)* EW Communications Inc., 1170 East Meadow Drive, Palo Alto, CA 94303, USA

MSR (Mess. Steuern Regeln) (Germany) – (MSRGAN)
MSR (Messen Steuern Regeln) VEB Verlag Technik, DDR 102 Berlin, Oranienburger Strasse 13/14, Germany

MT Meerestech. (Germany) – (MRTKA4)
MT Meerestechnik (Marine Techology) Formerly: *Mar. Technol. (Germany)* VDI-Verlag, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany

Mullard Tech. Commun. (GB) – (MUTCAZ)
Mullard Technical Communications Central Technical Services, Mullard Ltd., New Road, Mitcham, Surrey CR4 4XY, England. Merged with Electron. Appl. Bull. (Netherlands) to form Electron. Components & Appl. (Netherlands)

Multidisciplinary Res. (USA) – (MRINCS)
Multidisciplinary Research International Multidisciplinary Research Association, Editorial address: Physiology Section, Blake College, 300 Jefferson Street, Eugene, OR 97403, USA

Mundo Electron. (Spain) – (MUELCN)
Mundo Electronico Boixareau Editores, Avda. Jose Antonio 594, 2 Barcelona 7, Spain

N. Z. Energy J. (New Zealand) – (NZEJDU)
New Zealand Energy Journal Technical Publications Ltd., 127 Molesworth Street, P.O. Box 3047, Wellington, New Zealand

N. Z. J. Sci. (New Zealand) – (NZJSAB)
New Zealand Journal of Science Department of Scientific and Industrial Research, Private Bag, Wellington, New Zealand

N.Z. Eng. (New Zealand) – (NZENA5)
New Zealand Engineering (Journal of the New Zealand Institution of Engineers) Technical Publications, 4th Floor, Molesworth House, 101 Molesworth Street, GPO Box 12-241, Wellington, New Zealand

Nachr. Dok. (Germany) – (NADOAW)
Nachrichten fur Dokumentation Deutsche Gesellschaft fur Dokumentation, 6000 Frankfurt am Main, Westendstrasse 19, Germany

Nachr. Elektron. (Germany) – (NAELDV)
Nachrichten Elektronik Elektro-Welt-Verlag Dr. Huthig, D-6900 Heidelberg 1, Postfach 102869, Wilckensstrasse 3/5, Germany

Nachr. Telefonbau & Normalzeit (Germany) – (NTNZAA)
Nachrichten der Telefonbau und Normalzeit Postfach 2369, 6 Frankfurt am Main 1, Germany

Nachrichtentech. Elektron. (Germany) – (NTELAP)
Nachrichtentechnik Elektronik VEB Verlag Technik, DDR 102 Berlin, Oranienburger Strasse 13/14, Germany

Nachrichtentech. Z. (NTZ) (Germany) – (NAZEAA)
Nachrichtentechnische Zeitschrift VDE-Verlag GmbH, Bismarckstrasse 33, 1000 Berlin 12, Germany

NASA Tech Briefs (USA) – (NATBD8)
NASA Tech Briefs NASA Technology Utilization Program, Technology Transfer Division, P.O. Box 8757, Baltimore/Washington International Airport, MD 21240, USA. NASA states that "back-up information, technical data, etc., is normally available only to U.S. users".

Nat. Resour. Forum (Netherlands) – (NRSFAT)
Natural Resources Forum D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

Natl. Acad. Sci. Lett. (India) – (NASLDX)
National Academy Science Letters National Academy of Sciences, India, 5-Lajpat Rai Road, Allahabad 21 10 02, India

Natl. Electron. Rev. (GB) – (NEREBX)
National Electronics Review National Electronics Council, Abell House, John Islip Street, London, SW1P 4LN, England

Natl. Tech. Rep. (Japan) – (NTROAV)
National Technical Report Matsushita Electric Ind. Co. Ltd., Moriguchi, Osaka, Japan

Nature (GB) – (NATUAS)
Nature Macmillan Journals Ltd., 4 Little Essex Street, London WC2R 3LF, England

Naturwissenschaften (Germany) – (NATWAY)
Die Naturwissenschaften Springer-Verlag, Heidelberger Platz 3, D1000 Berlin 3, Germany

Nauchno-Tekh. Inf. Ser. 1 (USSR) – (NTOMAA)
Nauchno-Tekhnicheskaya Informatsiya, Seriya 1 Baltiiskaya ul., D 14, 125219 Moskva, USSR

Nauchno-Tekh. Inf. Ser. 2 (USSR) – (NIPSBP)
Nauchno-Tekhnicheskaya Informatsiya, Seriya 2 Baltiiskaya ul., D 14, 125219 Moskva, USSR

Nauk. & Inf. (USSR) – (NVIFB8)
Naukovedenie i Informatika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Nav. Archit. (GB) – (NVARA3)
Naval Architect Royal Institution of Naval Architects, 10 Upper Belgrave Square, London, SW1X 8BQ, England

Nav. Res. Logist. Q. (USA) – (NRLQAR)
Naval Research Logistics Quarterly Office of Naval Research, Arlington, VA 22217, USA. Subscription address: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

Nav. Res. Rev. (USA) – (NARRA9)
Naval Research Reviews Department of the Navy, Office of Naval Research, Arlington, VA 22217, USA

Navigation (France) – (NVGNAL)
Navigation Institut Francaise de Navigation, 3 avenue Octave-Greard, Paris 7, France

Navigation (USA) – (NAVIB3)
Navigation. Journal of the Institute of Navigation Institute of Navigation, Suite 832, 815 15th Street, N.W., Washington, DC 20005, USA

NDT Int. (GB) – (NDETA5)
NDT International IPC Science & Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

NEC Res. & Dev. (Japan) – (NECRAU)
NEC Research and Development Nippon Electric Co., 7-15 Shiba Gochome, Minato-ku, Tokyo, Japan

Ned. Tijdschr. Natuurkd. A (Netherlands) – (NTNAD6)
Nederlands Tijdschrift voor Natuurkunde A Nederlandse Natuurkundige Vereniging, Pincetonplein 5, 3508 TA Utrecht, Netherlands

NEI Rev. (GB) – (NEIRDT)
NEI Review Formerly: *Reyrolle Parsons Rev. (GB)* Northern Engineering Industries Ltd., Hebburn, Tyne & Wear NE31 1UP, England

Network (USA) – (NWRKA6)
Network. International Communications in Library Automation Association for Library Automation Research Communications, P.O. Box 27235, Tempe, AZ 85282, USA. Larc Press Ltd., 105-117 West Fourth Avenue, Peoria, IL 61602

Networks (USA) – (NTWKAA)
Networks Interscience Publishers, 605 Third Avenue, New York, NY 10016, USA

Neue Tech. (Switzerland) – (NETEA8)
Neue Technik Verlag Neue Technik, Bahnhofstrasse 848, Postfach 283, CH-9410 Heiden, Switzerland

Neue Tech. Buero (Germany) – (NTBUB4)
Neue Technik im Buro (Journal of Data Processing and Office Machines) VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13-14, Germany

New Electron. (GB) – (NWELAC)
New Electronics Juniper Journals Ltd., 49/50 Hatton Garden, London, EC1N 8XS, England

New Phys. (Korean Phys. Soc.) – (NWPYA4)
New Physics (Korean Physical Society) Seoul, Korea

New Sci. (GB) – (NWSCAL)
New Scientist New Science Publications, King's Reach Tower, Stamford Street, London SE1 9LS, England

News Rohde & Schwarz (Germany) – (NROSAE)
News from Rohde and Schwarz Rohde and Schwarz, Muhldorfstrasse 15, Postfach 801469, 8000 Munchen 80, Germany

NHK Lab. Note (Japan) – (NHKLA5)
NHK Laboratories Note Nippon Hoso Kyokai, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

NHK Tech. J. (Japan) – (NHKTAT)
NHK Technical Journal NHK Technical Research Laboratories, Broadcasting Science Research Laboratories, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

NHK Tech. Monogr. (Japan) – (NHOKAM)
NHK Technical Monograph Nippon Hoso Kyokai (Japan Broadcasting Corporation), 361 Kinuta-machi, Setagaya-ku, Tokyo, Japan

Noise Control Eng. (USA) – (NCEGAR)
Noise Control Engineering Institute of Noise Control Engineering. Editorial address: Ray W. Herrick Laboratories, Purdue University, West Lafayette, IN 47907, USA

Noise Control Vib. & Insul. (GB) – (NCVIDJ)
Noise Control, Vibration and Insulation Title changed to: *Noise Control Vib. Isol. (GB)*

Noise Control Vib. Isol. (GB) – (NCISDI)
Noise Control, Vibration Isolation Formerly: *Noise Control Vib. & Insul. (GB)* Trade & Technical Press Ltd., Crown House, Morden, Surrey, SM4, England

Nonlinear Anal. Theory, Methods & Appl. (GB) – (NOANDD)
Nonlinear Analysis Theory, Methods & Applications Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Nonlinear Vibr. Probl. (Poland)
Nonlinear Vibration Problems (Zagadnienia Drgan Nieliniowych) Formerly: *Zagadnienia Drgan Nieliniowych (Poland)* Editorial address: 00-049 Warszawa, Swietokrzyska 21, Poland

Norelco Rep. (USA) – (NORRA5)
Norelco Reporter Philips Electronic Instruments, 85 McKee Drive, Mahwah, NJ 07430, USA

NORMA Tech. Inf. (Austria) – (NRTIBA)
NORMA Technische Informationen NORMA Messtechnik Gesellschaft m.b.H., A-1111 Wien, Postfach 88, Fickeysstrasse 1-11, Austria

Not. Ist. Autom. Univ. Roma (Italy) – (NIAUAN)
Notiziario dell'Istituto di Automatica dell'Universita di Roma Universita Degli Studi, Citta Universitaria, Rome, Italy

Note Recens. & Not. (Italy) – (NRNOAV)
Note Recensioni e Notizie Istituto Superiore Poste Telecommunicazioni, Viale Trastevere 189, Roma, Italy

Notre Dame J. Formal Logic (USA) – (NDJFAM)
Notre Dame Journal of Formal Logic University of Notre Dame, P.O. Box 5, Notre Dame, IN 46556, USA

Nouv. Autom. (France) – (NOAUDY)
Nouvel Automatisme Formerly: *Automatisme (France)* AFCET, 41 rue de la Grange-aux-Belles, 75483 Paris Cedex 10, France

Nouv. J. Chim. (France) – (NJCHD4)
Nouveau Journal de Chimie CDR Centrale des Revues, 70 rue de Saint-Mande, B.P. No. 119, 93104 Montreuil Cedex, France

NTG-Fachber. (Germany) – (NTGFDK)
NTG-Fachberichte VDE-Verlag GmbH, 1000 Berlin 12, Bismarckstrasse 33, Germany

Nucl. Data Sheets (USA) – (NDTSBA)
Nuclear Data Sheets Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Nucl. Energy (GB)
Nuclear Energy Formerly: *J. Br. Nucl. Energy Soc. (GB)* British Nuclear Energy Society, 1-7 Great George Street, London SW1P 3AA, England

Nucl. Eng. & Des. (Netherlands) – (NEDEAU)
Nuclear Engineering and Design North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Eng. Int. (GB) – (NEINBF)
Nuclear Engineering International IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Nucl. Fusion (Austria) – (NUFUAU)
Nuclear Fusion (Fusion Nucleaire - Yadernyi Sintex -Fusion Nuclear) Journal of Plasma Physics and Thermonuclear Fusion International Atomic Energy Agency, Karntnerring 11, P.O. Box 590, A-1011 Wien, Austria

Nucl. Instrum. & Methods (Netherlands) – (NUIMAL)
Nuclear Instruments and Methods North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Nucl. News (USA) – (NUNWA8)
Nuclear News American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Nucl. Phys. A (Netherlands) – (NUPABL)
Nuclear Physics A North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Phys. B (Netherlands) – (NUPBBO)
Nuclear Physics B North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Sci. & Eng. (USA) – (NSENAO)
Nuclear Science and Engineering. Journal of the American Nuclear Society American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Nucl. Technol. (USA) – (NUTYBB)
Nuclear Technology American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Nucl. Track Detect. (GB) – (NTDED2)
Nuclear Track Detection Title changed to: *Nucl. Tracks Methods Instrum. & Appl. (GB)*

Nucl. Tracks Methods Instrum. & Appl. (GB) – (NUTRDQ)
Nuclear Tracks, Methods, Instruments and Application Formerly: *Nucl. Track Detect. (GB)* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Nucleus (Pakistan) – (NCLEAM)
Nucleus Pakistan Atomic Energy Commission, P.O. Box 3112, Karachi-29, Pakistan

Nukleonika (Poland) – (NUKLAS)
Nukleonika Polska Akademia Nauk, 00-901 Warszawa, Polac Kultury i Nauki, Poland

Numer. Heat Transfer (USA) – (NUHTD6)
Numerical Heat Transfer McGraw-Hill International Book Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Numer. Math. (Germany) – (NUMMA7)
Numerische Mathematik Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

Nuovo Cimento A (Italy) – (NIFAAM)
Il Nuovo Cimento. A Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

Nuovo Cimento B (Italy) – (NIFBAP)
Il Nuovo Cimento. B Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

Nuovo Cimento C (Italy) – (NIFCAS)
Il Nuovo Cimento C Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

Observatory (GB) – (OBSEAR)
Observatory Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England

Occup. Health & Saf. (USA) – (OHSADQ)
Occupational Health and Safety Medical Publications Inc., P.O. Box 7573, Waco, TX 76710, USA

Ocean Eng. (GB) – (OCENBQ)
Ocean Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Oceanol. Acta (France) – (OCACD9)
Oceanologica Acta Centrale des Revues Dunod-Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France

Oceanology (USA) – (ONLGAE)
Oceanology [Translation of: *Okeanologiya (USSR)*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20036, USA

Oelhydraul. & Pneum. (Germany) – (OEPNAQ)
Olhydraulik und Pneumatik Krauskopf-Verlag fur Wirtschaft GmbH, Lessingstrasse 12-14, Postfach 2760, 65 Mainz, Germany

OEM Des. (GB) – (OEMDAF)
OEM Design Mercury House Business Publications, Mercury House, Waterloo Road, London, SE1 8UL, England

Oesterr. Ing.-Z. (Austria) – (OSIZAN)
Osterreichische Ingenieur-Zeitschrift Springer-Verlag, Molkerbastei 5, Postfach 367, A-1011 Wien, Austria

Oesterr. Z. Elektrizitaetswirtsch. (OEZE) (Austria) – (OZELAA)
Osterreichische Zeitschrift fur Elektrizitatswirtschaft Springer-Verlag, Molkerbastei 5, Postfach 357, A 1011 Wien, Austria

Offshore Serv. (GB) – (OFSVA4)
Offshore Services Spearhead Publications Ltd., 55-59 Fife Road, Kingston-upon-Thames, Surrey, England

Ogneupory (USSR) – (OGNPA2)
Ogneupory Moskva G-34, 2-i, Obl'denskii, rep. 14, USSR [English translation in: *Refractories (USA)*]

Okeanologiya (USSR) – (OKNOAR)
Okeanologiya 2 ya Tilografiya Iadatelvstva 'Nauka', Moskva, Shchybiiskii lep. 10, USSR [English translation in: *Oceanology (USA)*]

Omega (GB) – (OMEGA6)
Omega Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Onde Electr. (France) – (ONELAS)
L'Onde Electrique Masson et Cie, 120 bd. Saint-Germaine, 75280 Paris Cedex 06, France

Online (USA) – (ONLIDN)
Online Online Inc., Department 1A, 11 Tannery Lane, Weston, CT 06883, USA

Online Rev. (GB) – (OLREDR)
Online Review Learned Information (Europe) Ltd., Woodside, Hinksey Hill, Oxford OX1 5BP, England

Online-ADL-Nachr. (Germany) – (OANADK)
Online-ADL-Nachrichten Verlagsgesellschaft Rudolf Muller GmbH & Co., Stolberger Strasse 84, 5000 Koln 41, Germany

Open (Netherlands) – (OPNNBQ)
Open N.V. Uitgeversmaatschappij AE. E. Kluwer, Postbus 23, Deventer, Netherlands

Oper. Res. (USA) – (OPREAI)
Operations Research Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Oper. Res. Q. (GB) – (OPRQAK)
Operational Research Quarterly Title changed to: *J. Oper. Res. Soc. (GB)*

Oper. Res. Verfahren-Methods Oper. Res. (Germany) – (ORVEAI)
Operations Research Verfahren-Methods of Operations Research Verlag Anton Hain K.G., Meisenheim am Glan, Germany

Oper. Syst. Rev. (USA) – (OSRED8)
Operating Systems Review Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Opsearch (India) – (OPSEAN)
Opsearch Operational Research Society of India. Editorial address: Defence Science Laboratory, Metcalfe House, Delhi-110054, India

Opt. & Laser Technol. (GB) – (OLTCAS)
Optics and Laser Technology Formerly: *Opt. Technol. (GB)* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey GU1 3EW, England

Opt. & Quantum Electron. (GB) – (OQELDI)
Optical and Quantum Electronics Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

Opt. & Spectrosc. (USA) – (OPSUA3)
Optics and Spectroscopy [Translation of: *Opt. & Spektrosk. (USSR)*] Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Opt. & Spektrosk. (USSR) – (OSFMA3)
Optika i Spektroskopiya Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Opt. & Spectrosc. (USA)*]

Opt. Acta (GB) – (OPACAT)
Optica Acta Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Opt. Commun. (Netherlands) – (OPCOB8)
Optics Communications North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Opt. Eng. (USA) – (OPEGAR)
Optical Engineering Society of Photo-Optical Instrumentation Engineers, P.O. Box 10, 405 Fieldston Road, Bellingham, WA 98225, USA

Opt. Lett. (USA) – (OPLEDP)
Optics Letters Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Opt. Pura & Apl. (Spain) – (OPAPAY)
Optica Pura y Aplicada Serrano 121, Madrid 6, Spain

Opt. Spectra (USA) – (OPTSA2)
Optical Spectra Optical Publishing Co., Inc., Berkshire Common, P.O. Box 1146, Pittsfield, MA 01201, USA

Opt.-Mekh. Prom.-st. (USSR) – (OPMPAQ)
Optiko-Mekhanicheskaya Promyshlennost Vasilov Optical Research Institute, Kaluzhskoye Chausee 32, Moskva, USSR [English translation in: *Sov. J. Opt. Technol. (USA)*]

Optik (Germany) – (OTIKAJ)
Optik Wissenschaftliche Verlagsgesellschaft, D-7000 Stuttgart 1, Postfach 40, Germany

Origins of Life (Netherlands) – (OGLFAU)
Origins of Life D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

ORSA/TIMS Bull. (USA) – (TIMBDR)
ORSA/TIMS Bulletin Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Oss. & Mem. Oss. Astrofis. Arcetri (Italy) – (OMOAA4)
Osservazioni e Memorie dell'Osservatorio Astrofisico di Arcetri Universita Degli Studi di Firenze, Firenze, Italy

Otbor & Peredacha Inf. (USSR) – (OTPIAE)
Otbor i Peredacha Informatsii Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Output (Switzerland) – (OUTPDV)
Output Fachpresse Goldach Hudson & Co., CH-9403 Goldach, Switzerland

Oxid. Met. (USA) – (OXMEAF)
Oxidation of Metals Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Oyo Buturi (Japan) – (OYBSA9)
Oyo Buturi Japan Society of Applied Physics, Room No. 209-2, Kikai-Shinko Building, 3 Shiba-Koen, Minato-ku, Tokyo, Japan

Pak. J. Sci. & Ind. Res. (Pakistan) – (PSIRAA)
Pakistan Journal of Scientific and Industrial Research Pakistan Council of Scientific and Industrial Research, 39 Garden Road, Karachi 3, Pakistan

Pak. J. Sci. (Pakistan) – (PAJSAS)
Pakistan Journal of Science Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan

Pak. J. Sci. Res. (Pakistan) – (PJSRAV)
Pakistan Journal of Scientific Research Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan

Pap. Inst. Post Off. Electr. Eng. (GB) – (PIPEA4)
Institution of Post Office Electrical Engineers, Printed Papers GPO, 2-12 Gresham Street, London, EC2V 7AG, England

Part. & Nucl. (USA) – (PANUAK)
Particles and Nuclei Fazl-I-Umar Research Institute Inc., P.O. Box 338, Athens, OH 45701, USA
Part. Accel. (GB) – (PLACBD)
Particle Accelerators Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
Pattern Recognition (GB) – (PTNRA8)
Pattern Recognition Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Period. Math. Hung. (Hungary) – (PMHGAW)
Periodica Mathematica Hungarica Akademiai Kiado, Alkotmany U 21, 1054 Budapest, Hungary
Period. Polytech. Electr. Eng. (Hungary) – (PPYTA7)
Periodica Polytechnica (Electrical Engineering—Elektrotechnik) Kultura, H-1389 Budapest, P.O.B. 149, Hungary
Perkin-Elmer NMR Q. (GB) – (PENQA2)
Perkin-Elmer NMR Quarterly Perkin-Elmer Ltd., Beaconsfield, Bucks, England
Pers. Comput. World (GB) – (PCWODU)
Personal Computer World Intra Press, 62A Westbourne Grove, London, W2, England
Phase Transitions (GB)
Phase Transitions Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
Philips J. Res. (Netherlands) – (PHJRD9)
Philips Journal of Research Formerly: *Philips Res. Rep. (Netherlands)* Philips Research Laboratories, Building WBP, Room No. 42, Eindhoven, Netherlands
Philips Res. Rep. (Netherlands) – (PRREA9)
Philips Research Reports Title changed to: *Philips J. Res. (Netherlands)*
Philips Tech. Rev. (Netherlands) – (PTREAN)
Philips Technical Review Research Laboratories N.V. Philips Gloeikampenfabrieken, Eindhoven, Netherlands
Philips Telecommun. Rev. (Netherlands) – (PTLRAW)
Philips Telecommunication Review Philips' Telecommunicatie Industrie B.V., P.O. Box 82, Hilversum, Netherlands
Philos. Mag. (GB) – (PHMAA4)
Philosophical Magazine Taylor and Francis Ltd., 10-14 Macklin Street London, WC2B 5NF, England. Journal split into two parts: Philos. Mag. A and B (GB)
Philos. Mag. A (GB) – (PMAADG)
Philosophical Magazine A (Physics of Condensed Matter, Defects and Mechanical Properties) Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England
Philos. Mag. B (GB) – (PMABDJ)
Philosophical Magazine B (Physics of Condensed Matter, Electronic, Optical and Magnetic Properties) Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England
Philos. Sci. (USA) – (PHSCA6)
Philosophy of Science Philosophy of Science Association, 18 Morrill Hall, Department of Philosophy, Michigan State University, East Lansing, MI 48823, USA
Philos. Trans. R. Soc. London A (GB) – (PTRMAD)
Philosophical Transactions of the Royal Society of London A (Mathematical and Physical Sciences) 6 Carlton House Terrace, London, SW1Y 5AG, England
Photogr. Sci. & Eng. (USA) – (PSENAC)
Photographic Science and Engineering Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue N.W., Washington, DC 20005, USA
Photogramm. Eng. & Remote Sensing (USA) – (PERSDV)
Photogrammetic Engineering and Remote Sensing American Society of Photogrammetry, 105 North Virginia Avenue, Falls Church, VA 22046, USA
Phys. & Chem. Glasses (GB) – (PCGLA6)
Physics and Chemistry of Glasses (Section B of the Journal of the Society of Glass Technology) Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S10 5BT, England
Phys. & Chem. Liq. (GB) – (PCLQAC)
Physics and Chemistry of Liquids Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
Phys. & Chem. Miner. (Germany) – (PCMIDU)
Physics and Chemistry of Minerals Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
Phys. Bl. (Germany) – (PHBLAG)
Physikalische Blatter Physik-Verlag GmbH, D-6940 Weinheim/Bergstrasse, Pappelalle 3, PB 1260-80, Germany
Phys. Bull. (GB) – (PHSBB4)
Physics Bulletin Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England
Phys. Earth & Planet. Inter. (Netherlands) – (PEPIAM)
Physics of the Earth and Planetary Interiors North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Phys. Educ. (GB) – (PHEDA7)
Physics Education Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England
Phys. Energ. Fortis & Phys. Nucl. (China) – (KNWLD9)
Physica Energiae Fortis et Physica Nuclearis Science Press, Peking, People's Republic of China. Subscription address: Guozo Shudian, P.P. Box 399, Peking
Phys. Fluids (USA) – (PFLDAS)
Physics of Fluids American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Phys. Lett. A (Netherlands) – (PYLAAG)
Physics Letters A North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Phys. Lett. B (Netherlands) – (PYLBAJ)
Physics Letters B North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Phys. Med. & Biol. (GB) – (PHMBA7)
Physics in Medicine and Biology Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England
Phys. Met. & Metallogr. (GB) – (PHMMA6)
Physics of Metals and Metallography [Translation of: *Fiz. Met. & Metalloved. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Phys. Norv. (Norway) – (PHNOAH)
Physica Norvegica Institute of Physics, University of Oslo, Blindern, per Oslo, Norway
Phys. Rep. (Netherlands) – (PRPLCM)
Physics Reports Formerly: *Phys. Rep. Phys. Lett. Sect. C (Netherlands)* North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Phys. Rep. Phys. Lett. Sect. C (Netherlands) – (PRPLCM)
Physics Reports. Physics Letters Section C Title changed to: *Phys. Rep. (Netherlands)*
Phys. Rev. A (USA) – (PLRAAN)
Physical Review A (General Physics) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Phys. Rev. B (USA) – (PRBMDO)
Physical Review B (Condensed Matter) Formerly: *Phys. Rev. B (USA)* Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Phys. Rev. B (USA) – (PLRBAQ)
Physical Review B (Solid State) Title changed to: *Phys. Rev. B (USA)*
Phys. Rev. C (USA) – (PRVCAN)
Physical Review C (Nuclear Physics) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Phys. Rev. D (USA) – (PRVDAQ)
Physical Review D (Particles and Fields) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Phys. Rev. Lett. (USA) – (PRLTAO)
Physical Review Letters Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Phys. Scr. (Sweden) – (PHSTBO)
Physica Scripta Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden
Phys. Status Solidi a (Germany) – (PSSABA)
Physica Status Solidi (a) Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany
Phys. Status Solidi b (Germany) – (PSSBBD)
Physica Status Solidi b Akademie-Verlag, DDR 108 Berlin, Leipzigerstrasse 3-4, Germany
Phys. Teach. (USA) – (PHTEAH)
Physics Teacher American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Phys. Technol. (GB) – (PHYTBK)
Physics in Technology Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England
Phys. Today (USA) – (PHTOAD)
Physics Today American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Physica A (Netherlands) – (PHYSAG)
Physica Subscription address: North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Physica B & C (Netherlands) – (PHBCDQ)
Physica B & C Subscription address: North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Physiol. Chem. & Phys. (USA) – (PLCHB4)
Physiological Chemistry and Physics Pacific Press Inc., G.P.O. Box 2044, New York, NY 10001, USA
Pis'ma v Astron. Zh. (USSR) – (PAZHDA)
Pis'ma v Astronomicheskie Zhurnal Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. Lett. (USA)*]
Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR) – (PZETAB)
Pis'ma v Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki Formerly: *Zh. Eksp. & Teor. Fiz. Pis'ma v Red. (USSR)* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *JETP Lett. (USA)*]
Pis'ma v Zh. Tekh. Fiz. (USSR) – (PZTFDD)
Pis'ma v Zhurnal Tekhnicheskoi Fizika Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Tech. Phys. Lett. (USA)*]
PLA Bull. (USA) – (PLBABC)
PLA Bulletin Pennsylvania Library Association. Editorial address: Mine Safety Appliances Co., Library, Pittsburgh, PA 15208, USA
Planet. & Space Sci. (GB) – (PLSSAE)
Planetary and Space Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Planseeber. Pulvermetall. (Austria) – (PLPUA5)
Planseeberichte fur Pulvermetallurgie Postfach 74, 6600 Reutte, Austria
Plant Eng. (GB) – (PLEGAA)
Plant Engineer Institution of Plant Engineers, 138 Buckingham Palace Road, London, SW1W 9SG, England. Batiste Publication Ltd., Drummond House, 203-209 Gower Street, London, NW1
Plasma Phys. (GB) – (PLPHBZ)
Plasma Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Plast. & Rubber Int. (GB) – (PRUID5)
Plastics and Rubber International Plastics and Rubber Institute, 11 Hobart Place, London SW1W 0HL, England
Plast. & Rubber Mater. & Appl. (GB) – (PLRUDI)
Plastics and Rubber Materials and Applications Published for the Plastics and Rubber Institute by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
Plast. & Rubber Process. (GB) – (PRUPDQ)
Plastics and Rubber Processing Published for the Plastics and Rubber Institute by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
Plast. Eng. (USA) – (PLEGBB)
Plastics Engineering Society of Plastics Engineers Inc., 656 West Putnam Avenue, Greenwich, CT 06830, USA
Plaste & Kautsch. (Germany) – (PLKAAM)
Plaste und Kautschuk VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany
Plat. & Surf. Finish. (USA) – (PSFMDH)
Plating and Surface Finishing American Electroplaters' Society Inc., 1201 Louisiana Avenue, Winter Park, FL 32789, USA
Podstawy Sterowania (Poland) – (PDSTAT)
Podstawy Sterowania Zaklad Systemow Automatyki Kompleksowej PAN, Gliwice, ul. Zwyciestwa 21, Poland
Pol. Eng. (Poland) – (PERGAQ)
Polish Engineering Title changed to: *Pol. Mach. Ind. Offers (Poland)*
Pol. Mach. Ind. Offers (Poland) – (PMIODU)
Polish Machine Industry Offers Formerly: *Pol. Eng. (Poland)* AGPOL-EXPORTPRESS, 00-008 Warszawa, Marszalowska 124, Poland

Pol. Tech. Rev. (Poland) – (PTRWA9)
Polish Technical Review 00-950 Warszawa, Czackiego 3/5, P.O.B. 1004, Poland

Polim. Tworzywa Wielkoczasteczkowe (Poland) – (POLIA4)
Polimery Tworzywa Wielkoczasteckowe Instytut Tworzyw Sztucznc, ul. Rydygiera 8, Warszawa 86, Poland

Pollut. Eng. (USA) – (PLENBW)
Pollution Engineering Technical Publishing Co., 35 Mason Street, Greenwich, CT 06830, USA

Poluprovodn. Tekh. & Mikroelektron. (USSR) – (PTMUAC)
Poluprovodnikovaya Tekhnika i Mikroelektronika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Polym. Bull. (Germany) – (POBUDR)
Polymer Bulletin Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Polym. Mech. (USA) – (PLYMAQ)
Polymer Mechanics [Translation of: *Mekh. Polim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Polym. News (GB) – (PLYNBU)
Polymer News Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Polym. Sci. USSR (GB) – (PYSCAN)
Polymer Science U.S.S.R [Translation of: *Vysokomol. Soedin. Ser. A (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Polymer (GB) – (POLMAG)
Polymer IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5AW, England

Polytech. Tijdschr. Bouwk. Wegen- & Waterbouw (Netherlands) – (PTAWAQ)
Polytechnisch Tijdschrift Bouwkunde Wegen-en Waterbouw Stam Tijdschriften BV, Oranjestraat 8, Postbus 375, 2501 BG Den Haag, Netherlands

Polytech. Tijdschr. Elektrotech. Elektron. (Netherlands) – (PTEEBR)
Polytechnisch Tijdschrift Elektrotechniek Elektronica Stam Tijdschriften B.V., Oranjestraat 8, Postbus 375, 2501 BG Den Haag, Netherlands

Polytech. Tijdschr. Procestech. (Netherlands) – (PTPTBP)
Polytechnisch Tijdschrift Procestechniek Stam Tijdschriften BV, Oranjestraat 8, Postbus 375, 2502 BG Den Haag, Netherlands

Polytech. Tijdschr. Werktuigbouw (Netherlands) – (PTWTAP)
Polytechnisch Tijdschrift Werktuigbouw Stam Tijdschriften B.V., Postbus 375, Oranjestraat 8, Den Haag, Netherlands

Pomiary Autom. Kontrola (Poland) – (PAUKAP)
Pomiary Automatyka Kontrola Wydawnictwa Czasopism Technicznych NOT, ul. Czackiego 3/5, Warszawa 1, Poland

Pop. Comput. (USA) – (POCODE)
Popular Computing Box 272, Calabasas, CA 91302, USA

Poroshk. Metall. (USSR) – (PMANAI)
Poroshkovaya Metallurgiya Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Powder Metall. & Met. Ceram. (USA)*]

Port. Phys. (Portugal) – (POPYA4)
Portugaliae Physica Instituto de Alta Cultura, Centros de Estudos de Fisica das Universidades Portuguesas. Rue da Escola Politecnica, Lisboa-2, Portugal

Post Off. Electr. Eng. J. (GB) – (POEJA6)
Post Office Electrical Engineers' Journal GPO, 2-12 Gresham Street, London, EC2V 7AG, England

Post Off. Telecommun. J. (GB) – (PTLJA8)
Post Office Telecommunications Journal Post Office Central Headquarters, 23 Howland Street, London, W1P 6HQ, England

Posta & Telecomunicatii (Rumania) – (PSTLBE)
Posta si Telecommunicatii Calea Grivitei Nr. 193 B, Sector 8, Bucuresti, Rumania

Postepy Astron. (Poland) – (PYAIAJ)
Postepy Astronomii Export-Import Enterprise "Ruch", ul. Wilcza 46, P.O. Box 154, Warszawa, Poland

Postepy Fiz. (Poland) – (PSTFAT)
Postepy Fizyki Polskie Towarzystwo Fizykczne, 00-681 Warszawa, ul. Hoza 69, Poland

Powder Metall. (GB) – (PWMTAU)
Powder Metallurgy Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Powder Metall. Int. (Germany) – (PWMIBW)
Powder Metallurgy International Verlag Schmidt GmbH, D-78 Freiburg, P.O. Box 1722, Germany

Powder Technol. (Switzerland) – (POTEBX)
Powder Technology Elsevier Sequoia S.A., P.O. Box 851 1001 Lausanne 1, Switzerland

Power (USA) – (POWEAD)
Power McGraw-Hill Inc., 1221 Avenue of the Americas, New York, NY 10020, USA

Power Eng. (Acad. Sci. USSR) (USA) – (POENDL)
Power Engineering - Academy of Sciences of the USSR [Translation of: *Izv. Akad. Nauk SSSR Energ. & Transp.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Power Eng. (USA) – (POENAI)
Power Engineering Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA

Pr. Inst. Elektrotech. (Poland) – (PIELA4)
Prace Instytutu Elektrotechniki Instytut Elektrotechniki, ul. Pozaryskiego 28, Warszawa-Miedzylesie, Poland

Pr. Inst. Lacznosci (Poland) – (PILZAD)
Prace Instytutu Lacznosci Ul. Szachowa 1, Miedzeszyn, Warszawa, Poland

Pr. Inst. Masz. Mat. (Poland) – (PMMTAS)
Prace Instytutu Maszyn Matematycznych Editorial address: Branzowy Osrodek INTE, Warszawa, ul. Krzywickiego 34, Poland. 1976

Pr. Inst. Tele- & Radiotech. (Poland) – (PITRAT)
Prace Instytutu Tele- i Radiotechnicznego Ul. Ratuszowa 11, Warszawa, Poland

Pr. Osrodka Badaw.-Rozwojowego Elektron. Prozniowej (Poland) – (POBRCH)
Prace Osrodka Badawczo-Rozwojowego Elektroniki Prozniowej Editorial address: 00-241 Warszawa, ul. Dluga 44/50, Poland

Pr. Przem. Inst. Elektron. (Poland) – (PPIEAI)
Prace Przemyslowego Instytutu Elektroniki Ul. Dluga 44/50, Warszawa, Poland

Pr. Przem. Inst. Telekomun. (Poland) – (PPITAT)
Prace Przemyslowego Instytutu Telekomunikacji Editorial address: Skrytka Pacztowa Nr. 7, ul. Poligonowa 30, Warszawa 26, Poland

Pract. Comput. (GB) – (PRCODZ)
Practical Computing Which Computer? Ltd., 2 Duncan Terrace, London N1 8NR, England

Pract. Electron. (GB) – (PRELBY)
Practical Electronics IPC Magazines Ltd., Oakfield House, Perrymount Road, Haywards Heath, West Sussex RH16 3DH, England

Pract. Wireless (GB) – (PRWIBD)
Practical Wireless IPC Magazines Ltd., Fleetway House, Farringdon Street, London, EC4A 4AD, England

Prague Bull. Math. Linguist. (Czechoslovakia) – (PBMLAT)
Prague Bulletin of Mathematical Linguistics Algebraic Linguistics, Faculty of Mathematics and Physics, Charles University, Malostranske 25, 118 00 Prague 1, Czechoslovakia. Editorial address: Laboratory of Algebraic Linguistics, Praha 1, Malostranske nam. 25

Prakt. Energiekd. (Germany) – (PENKAI)
Praktische Energiekunde Technischer Verlag Resch KG, 8032 Grafeling, Postfach 60, Germany

Prakt. Metallogr. (Germany) – (PMTLA5)
Praktische Metallographie (Practical Metallography) Dr. Riederer-Verlag GmbH, d-7000 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany

Pramana (India) – (PRAMCI)
Pramana Indian Academy of Sciences, Bangalore 560006, India

Prib. & Sist. Upr. (USSR) – (PRSUBT)
Pribory i Sistemy Upravleniya Moscow. IGSP-110, Prospekt Mira 106, Komn. 5, USSR

Prib. & Tekh. Eksp. (USSR) – (PRTEAJ)
Pribory i Tekhnika Eksperimenta Agent: Mezhdunarodnaya Kniga Moskva, USSR [English translation in: *Instrum. & Exp. Tech. (USA)*]

Price Waterhouse Rev. (USA) – (PWTRBQ)
Price Waterhouse Review Price Waterhouse & Co., 1251 Avenue of the Americas, New York, NY 10020, USA

Prikl. Geofiz. (USSR) – (PGVGAQ)
Prikladnaya Geofizika Izdatel'sto 'Nedra', Moskva, K-12, Tret'yakovskii Proezd 1/19, USSR

Prikl. Mat. & Mekh. (USSR) – (PMAMAF)
Prikladnaya Matematika i Mekhanika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva. Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Appl. Math. & Mech. (USA)*]

Prikl. Mat. & Program. (USSR) – (PMPGA4)
Prikladnaya Matematika i Programmirovanie Izdatel'stvo 'Shtiintsa', Kishinev, USSR

Prikl. Mekh. (USSR) – (PKMKAL)
Prikladnaya Mekhanika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Appl. Mech. (USA)*]

Priroda (USSR) – (PRIRA3)
Priroda Izdatel'stvo 'Nauka', Moskva G-99, Shubinskii Per. 10, USSR

Probl. Bioniki (USSR) – (PBNKAV)
Problemy Bioniki Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Probl. Control & Inf. Theory (Hungary) – (PUTIAI)
Problems of Control and Information Theory Akademiai Kiado, Budapest 1363, P.O. Box 24, Hungary

Probl. Inf. & Doc. (Rumania) – (PIDCA6)
Probleme de Informare si Documentare Institutul Central de Documentare Tehnica, Bucuresti, Str. Cosmonautilor nr. 27-29, Sectorul 1, Rumania

Probl. Inf. Transm. (USA) – (PRITA9)
Problems of Information Transmission [Translation of: *Probl. Peredachi Inf. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Probl. Kibern. (USSR) – (PRKIAK)
Problemy Kibernetiki Izdatel'stvo 'Nauka', Moskva, v-71, Leninskii Prospekt 15, USSR

Probl. Peredachi Inf. (USSR) – (PPDIA5)
Problemy Peredachi Informatsii Moskva. E-24, Aviamotoriaya 8, Korp. 2, USSR [English translation in: *Probl. Inf. Transm. (USA)*]

Probl. Prochn. (USSR) – (PPCNBG)
Problemy Prochnosti Editorial address: Academy of Sciences of the Ukrainian SSR, Kiev, USSR [English translation in: *Strength Mater. (USA)*]

Probl. Tekh. Elektrodin. (USSR) – (PTEDAN)
Problemy Tekhnicheskoi Elektrodinamiki Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Probl. Tekh. Kibern. (Bulgaria) – (PTKID3)
Problemy na Tekhnicheskata Kibernetika Institute of Engineering Cybernetics, 1113 Sofia, Acad. G. Bonchev Street, Bl. IV, Bulgaria

Proc. Astron. Soc. Aust. (Australia) – (AAUPBC)
Proceedings of the Astronomical Society of Australia University Grounds, Sydney, N.S.W, Australia

Proc. Br. Ceram. Soc. (GB) – (PBRCAR)
Proceedings of the British Ceramic Society Shelton House, Stoke-on-Trent, England

Proc. Egypt. Acad. Sci. – (PEASAB)
Proceedings of the Egyptian Academy of Sciences 'Dar el Hikma', 42 Qasr el Aini Street, Cairo, Egypt

Proc. IEEE (USA) – (IEEPAD)
Proceedings of the IEEE Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

Proc. Indian Acad. Sci. Sect. A – (PISAA7)
Proceedings of the Indian Academy of Sciences Section A Bangalore 560006, India

Proc. Indian Acad. Sci. Sect. C – (PIASD8)
Proceedings of the Indian Academy of Sciences, Section C: Engineering Sciences Bangalore 560 006, India

Proc. Indian Assoc. Cultiv. Sci. – (PICSAF)
Proceedings of the Indian Association for Cultivation of Sciences Issued with: *Indian J. Phys.*

Proc. Indian Natl. Sci. Acad. Part A – (PIPSBD)
Proceedings of the Indian National Science Academy, Part A Bahadur Shah Zafar Marg, New Delhi 1, India

Proc. Inst. Electr. Eng. (GB) – (PIEEAH)
Proceedings of the Institution of Electrical Engineers Institution of Electrical Engineers, Savoy Place, London, WC2R 0BL, England

Proc. Inst. Mech. Eng. (GB) – (PIMLAA)
Proceedings of the Institution of Mechanical Engineers 1 Birdcage Walk, London, SW1H 9JJ, England

Proc. Inst. Radio & Electron. Eng. Aust. (Australia) – (MONIDI)
Proceedings of the Institution of Radio and Electronics Engineers Australia Title changed to: *Proc. IREE Aust. (Australia)*

Proc. Inst. Railw. Signal Eng. (GB) – (PRWEAY)
Proceedings of the Institution of Railway Signal Engineers Room 534, British Transport Commission, 222 Marylebone Road, London, NW1, England

Proc. Iowa Acad. Sci. (USA) – (PIAIA9)
Proceedings of the Iowa Academy of Science University of Northern Iowa, Cedar Falls, IA 50613, USA

Proc. IREE Aust. (Australia) – (PRAUA6)
Proceedings of the IREE Australia Formerly: *Proc. Inst. Radio & Electron. Eng. Aust. (Australia)* Institution of Radio and Electronics Engineers Australia, Science Centre, 35-43 Clarence Street, Sydney, N.S.W. 2000, Australia

Proc. Jpn. Acad. (Japan) – (PJACAW)
Proceedings of the Japan Academy Ueno Park, Tokyo, Japan. Journal split into two series: Proc. Jpn. Acad. Ser. A and B (Japan)

Proc. Jpn. Acad. Ser. A (Japan) – (PJAADT)
Proceedings of the Japan Academy, Series A, Mathematical Sciences Ueno Park, Tokyo 110, Japan

Proc. Jpn. Acad. Ser. B (Japan) – (PJABDW)
Proceedings of the Japan Academy. Series B, Physical and Biological Sciences Ueno Park, Tokyo 110, Japan

Proc. K. Ned. Akad. Wet. Ser. B (Netherlands) – (KNWBAA)
Proceedings, Koninklijke Nederlandse Akademie van Wetenschappen. Series B (Physical Sciences) North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Proc. Leeds Philos. & Lit. Soc. (GB) – (PIOAAL)
Proceedings of the Leeds Philosophical and Literary Society The University, Leeds, England

Proc. Natl. Acad. Sci. India Sect. A – (PAIAA3)
Proceedings of the National Academy of Sciences of India. Section A (Physical Sciences) Lajpatrai Road, Allahabad-2, India

Proc. Natl. Acad. Sci. USA – (PNASA6)
Proceedings of the National Academy of Sciences of the United States of America 2101 Constitution Avenue, Washington, DC 20418, USA

Proc. R. Inst. GB – (PIGBAI)
Proceedings of the Royal Institution of Great Britain 21 Albemarle Street, London, W1, England

Proc. R. Ir. Acad. Sect. A (Ireland) – (PRIAAK)
Proceedings of the Royal Irish Academy, Section A (Mathematical, Astronomical and Physical Science) 19 Dawson Street, Dublin 2, Ireland

Proc. R. Soc. Edinburgh Sect. A (GB) – (PREAAY)
Proceedings of the Royal Society of Edinburgh, Section A (Mathematical and Physical Sciences) 22 George Street, Edinburgh, EH2 2PQ, Scotland

Proc. R. Soc. London Ser. A (GB) – (PRLAAZ)
Proceedings of the Royal Society of London. Series A (Mathematical and Physical Sciences) 6 Carlton House Terrace, London, SW1Y 5AG, England

Proc. R. Soc. Victoria (Australia) – (PRSVAV)
Proceedings of the Royal Society of Victoria Royal Society's Hall, 9 Victoria Street, Melbourne, 3000 Victoria, Australia

Proc. Radio Club Am. (USA) – (PRCAAO)
Proceedings of the Radio Club of America Radio Club of America Inc., Fred Shunaman, 933 East Seventh Street, Plainfield, NJ 07062, USA

Proc. Res. Inst. Atmos. Nagoya Univ. (Japan) – (PATUAG)
Proceedings of the Research Institute of Atmospherics Nagoya University Nagoya University, 13 Honohara, 3 Chrome, Toyokawa 442, Japan

Proc. S.I.D. (USA) – (SIDPAA)
Proceedings of the S.I.D Society for Information Display, 654 North Sepulveda Boulevard, Los Angeles, CA90049, USA

Proc. Univ. Newcastle-upon-Tyne Philos. Soc. (GB) – (PUNSAI)
Proceedings of the University of Newcastle-upon-Tyne Philosophical Society Newcastle-upon-Tyne, England

Process Autom. (Germany) – (PRAUDT)
Process Automation R. Oldenbourg Verlag GmbH, Rosenheimer Strasse 145, D-8000 Munchen 80, Germany

Process Eng. (GB) – (PSEGAP)
Process Engineering Morgan Grampian Process Press Ltd., 30 Calderwood Street, London SE18 6QH, England

Process Eng. (Germany) – (PROEDV)
Process Engineering Formerly: *AMR (Germany)* Spechsaal-Verlag, Mauer 2, 8630 Coburg, Germany

Prod. Eng. (USA) – (PENGD9)
Production Engineering Penton/IPC Inc., Penton Plaza, 1111 Chester Avenue, Cleveland, OH 44144, USA

Prog. Aerosp. Sci. (GB) – (PAESD6)
Progress in Aerospace Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Prog. Anal. At. Spectrosc. (GB) – (PAASDK)
Progress in Analytical Atomic Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Biophys. & Mol. Biol. (GB) – (PBIMAC)
Progress in Biophysics & Molecular Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Prog. Cryst. Growth & Charact. (GB) – (PCGCDG)
Progress in Crystal Growth and Characterization Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Mater. Sci. (GB) – (PRMSAQ)
Progress in Materials Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Prog. Nucl. Energy Anal. Chem. (GB) – (PNANAP)
Progress in Nuclear Energy, Analytical Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Prog. Nucl. Energy New Ser. (GB) – (PNENDE)
Progress in Nuclear Energy, New Series Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Nucl. Magn. Resonance Spectrosc. (GB) – (PNMRAT)
Progress in Nuclear Magnetic Resonance Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Prog. Oceanogr. (GB) – (POCNA8)
Progress in Oceanography Pergamon Press Ltd Headington Hill Hall, Oxford OX3 0BW, England

Prog. Part. & Nucl. Phys. (GB) – (PPNPDB)
Progress in Particle and Nuclear Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Polym. Sci. (GB) – (PRPSB8)
Progress in Polymer Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Quantum Electron. (GB) – (PQUEAH)
Progress in Quantum Electronics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Prog. Solid State Chem. (GB) – (PSSTAW)
Progress in Solid State Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Prog. Surf. Sci. (GB) – (PSSFBP)
Progress in Surface Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Prog. Theor. Phys. (Japan) – (PTPKAV)
Progress of Theoretical Physics Research Institute for Fundamental Physics and the Physical Society of Japan. Publication office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan

Prog. Theor. Phys. Suppl. (Japan) – (PTPSAL)
Supplement of the Progress of Theoretical Physics Research Institute for Fundamental Physics and the Physical Society of Japan. Publication Office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan

Program (GB) – (PRGMBD)
Program Aslib, 3 Belgrave Square, London, SW1X 8PL, England

Program. & Comput. Software (USA) – (PCSODA)
Programming and Computer Software [Translation of: *Programmirovanie (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Program. Learn. & Educ. Technol. (GB) – (PLETAF)
Programmed Learning and Educational Technology Kogan Page Ltd., Builder House, 4 Catherine Street, London, WC2B 4JN, England

Programmirovanie (USSR) – (PROGD3)
Programmirovanie Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Program. & Comput. Software (USA)*]

Prom. Energ. (USSR) – (PREGAI)
Promyshlennaya Energetika Editorial address: 103012 Moskva, B. Cherkasskii per. 2/10, USSR

Prosthet. & Orthotics Int. (Denmark) – (POIND7)
Prosthetics and Orthotics International International Society for Prosthetics and Orthotics (ISPO), P.O. Box 42, DK-2900 Hellerup, Denmark

Przegl. Elektrotech. (Poland) – (PZELAL)
Przeglad Elektrotechniczny Czackiego 3/5, 00-043, Warszawa, Poland

Przegl. Telekomun. (Poland) – (PZTKAP)
Przeglad Telekomunikacynjy Editorial address: Ul. Barbary 2, pokoj 606, 00 686 Warszawa, Poland

PTT-Bedr. (Netherlands) – (PTBDA8)
PTT-Bedrijf Direction Centrale des PTT, 12 Kortenaerkade, Den Haag, Netherlands

Publ. Astron. Soc. Jpn. (Japan) – (PASJAC)
Publications of the Astronomical Society of Japan Tokyo Astronomical Observatory, Mitaka, Tokyo, Japan

Publ. Astron. Soc. Pac. (USA) – (PASPAU)
Publications of the Astronomical Society of the Pacific Astronomical Society of the Pacific, 1290 24th Avenue, San Francisco, CA 94122, USA

Publ. Dom. Astrophys. Obs. (Canada) – (PDAOAQ)
Publications of the Dominion Astrophysical Observatory, Victoria, British Columbia Dominion Astrophysical Observatory, Victoria, B.C, Canada

Publ. Earth Phys. Branch Dep. Energy Mines & Resour. (Canada) – (PEPBB2)
Publications of the Earth Physics Branch Department of Energy, Mines and Resources 1 Observatory Crescent,)ttawa K1A 0Y3, Canada

Publ. Elektroteh. Fak. Ser. Elektron. Telekomun. Autom. (Yugoslavia) – (PEFADJ)
Publikacije Elektrotehnickog Fakulteta Serija : Elektronika, Telekomunikacije, Automatika Odsek za Elektroniku, Elektrotehnicki Fakultet, 11001 Beograd, Postanski fah 816, Yugoslavia

Publ. Elektroteh. Fak. Ser. Mat. & Fiz. (Yugoslavia) – (PEUBAQ)
Publikacije Elektrotehnickog Fakulteta. Serija Matematika i Fizika Katedra Matematike, Elektrotehnicki Fakultet, 11001 Beograd, Postanski Fah 816, Yugoslavia

Publ. Inst. R. Meteorol. Belg. Ser. A (Belgium) – (PMBAAI)
Publications, Institut Royal Meteorologique de Belgique. Serie A, format in 4° 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium

Publ. Inst. R. Meteorol. Belg. Ser. B (Belgium) – (PMBBAL)
Publications, Institut Royal Meteorologique de Belgique, Serie B, format in 8 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium

Publ. R. Obs. Edinburgh (GB) – (PRYOA6)
Publications of the Royal Observatory Edinburgh Edinburgh EH9 3HJ, Scotland

Public Light. (GB) – (PULIAC)
Public Lighting Association of Public Lighting Engineers, Buckingham Court, 78 Buckingham Gate, London, SW1E 6PF, England

Pulp & Pap. Can. (Canada) – (PPCADD)
Pulp & Paper Canada National Business Publications Ltd., 310 Victoria Avenue, Westmount, PQ. H3Z 2M9, Canada

Pure & Appl. Chem. (GB) – (PACHAS)
Pure and Applied Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Pure & Appl. Geophys. (Switzerland) – (PAGYAV)
Pure and Applied Geophysics Birkhauser Verlag, CH-4010 Basel, Elizabethenstrasse 19, Switzerland

Q. Appl. Math. (USA) – (QAMAAY)
Quarterly of Applied Mathematics American Mathematical Society, P.O. Box 1571, Providence, RI 02901, USA

Q. Bull. Int. Assoc. Agric. Libr. & Doc. (Netherlands) – (QBALAE)
Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists Editorial address: "de Hulle", Hullerpad 14, Lunteren, Netherlands

Q. Colorado Sch. Mines (USA) – (QCSMAC)
Quarterly of the Colorado School of Mines Golden, CO 80401, USA

Q. J. Mech. & Appl. Math. (GB) – (QJMMAV)
Quarterly Journal of Mechanics and Applied Mathematics Oxford University Press, Ely House, London, W1, England

Q. J. R. Astron. Soc. (GB) – (QJRAAK)
Quarterly Journal of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Q. J. R. Meteorol. Soc. (GB) – (QJRMAM)
Quarterly Journal of the Royal Meteorological Society Cromwell House, High Street, Bracknell, Berks, England

Q. Rep. Railw. Tech. Res. Inst. (Japan) – (QRTIA8)
Quarterly Report of the Railway Technical Research Institute Railway Technical Institute, JNR, Kunitachi, P.O. Box 9, Tokyo, Japan

Quaest. Inf. (S. Africa)
Quaestiones Informaticae Systems Publishers (Pty) Ltd., Box 31720, Braamfontein, Transvaal, South Africa

Qual. & Zuverlassigkeit (Germany) – (QLZVAZ)
Qualitat und Zuverlassigkeit Carl Hanser Verlag, D-8000 Munchen 80, Kolbergerstrasse 22, Germany
Qual. Assur. (GB) – (QUASDZ)
Quality Assurance Institute of Quality Assurance, 54 Princes Gate, Exhibition Road, London, SW7 2PG, England
Qual. Prog. (USA) – (QUPRB3)
Quality Progress American Society for Quality Control, 161 West Wisconsin Avenue, Milwaukee, WI 53203, USA
Qualite Rev. Prat. Controle Ind. (France) – (RCOIAP)
Qualite Revue Pratique de Controle Industriel Editions Ampere, 46 Rue Ampere, 75017 Paris, France
Quaternary Res. (USA) – (QRESAV)
Quaternary Research Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

R & D Manage. (GB) – (RDMAAW)
R & D Management Basil Blackwell Publications, 108 Cowley Road, Oxford, OX4 1JF, England
R. Greenwich Obs. Bull. (GB) – (BROYA2)
Royal Greenwich Observatory Bulletins Herstmonceux Castle, Hailsham, East Sussex BN27 1RP, England
Rad. Zavoda Fiz. (Yugoslavia) – (RZFIA5)
Radovi Zavoda za Fiziku Edicija Zavoda za Fiziku Tehnickih Fakulteta u Beogradu, ul. Ruzveltova 1a/I, Beograd, Yugoslavia
Radiat. & Environ. Biophys. (Germany) – (REBPAT)
Radiation and Environmental Biophysics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
Radiat. Eff. (GB) – (RAEFBL)
Radiation Effects Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
Radiat. Eff. Lett. (GB) – (RAEFBL)
Radiation Effects Letters Gordon & Breach Science Publishers Ltd., 42 William IV Street, London, WC2N 4DE, England
Radiat. Phys. & Chem. (GB) – (RPCHDM)
Radiation Physics and Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Radiat. Prot. (Korea)
Radiation Protection Korean Association for Radiation Protection, Seoul, Korea
Radiat. Res. (USA) – (RAREAE)
Radiation Research Radiation Research Society, Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
Radiaz. Alta Energ. (Italy) – (RDAEAI)
Radiazioni di Alta Energia Via di Villa Ada 24, Roma, Italy
Radio & Electron. Constructor (GB) – (RECNCU)
Radio & Electronics Constructor Data Publications Ltd., 57 Maida Vale, London, W9 1SN, England
Radio & Electron. Eng. (GB) – (RDEEA4)
Radio and Electronic Engineer Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London, WC1B 3RG, England
Radio Commun. (GB) – (RADCB7)
Radio Communication Radio Society of Great Britain, 35 Doughty Street, London, WC1N 2AE, England
Radio Eng. & Electron. Phys. (USA) – (RENPAL)
Radio Engineering and Electronic Physics [Translation of: *Radiotekh. & Elektron. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA
Radio Fernsehen Elektron. (Germany) – (RFELB6)
Radio Fernsehen Elektronik VEB Verlag Technik, Oranienburgerstrasse 13/14, 102 Berlin, Germany
Radio Mentor Electron. (Germany) – (RMELBL)
Radio Mentor Electronic Formerly: *Radio Mentor (Germany)* Verlag Neuer Merkur GmbH, Ingolstadter Strasse 63a, Postfach 46 08 05, D-8000 Munchen 46, Germany
Radio Sci. (USA) – (RASCAD)
Radio Science American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA
Radio Telev. (Czechoslovakia) – (RDTLAW)
Radio Television Administrative Council of the International Radio & Television Organisation (OIRT), 151 13 Prague 5, U Mrazovky 15, Czechoslovakia
Radio-Electron. (USA) – (RAECAB)
Radio-Electronics 200 Park Avenue South, New York, NY 10003, USA
Radio-TV-Electron. (Switzerland) – (RTESBN)
Radio-TV-Electronic Eichstrasse 24, CH-8045 Zurich, Switzerland
Radiochem. & Radioanal. Lett. (Switzerland) – (RRALAZ)
Radiochemical and Radioanalytical Letters Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne, Switzerland. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary
Radioelectron. & Commun. Syst. (USA)
Radioelectronics and Communication Systems [Translation of: *Izv. VUZ Radioelektron. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
Radioind. Elettron. - Telev. (Italy) – (RELTDQ)
Radioindustria Elettronica - Televizione Franco Angeli Editore, Viale Monza 106, 20127 Milano, Italy
Radiol. Prot. Bull. (GB) – (RDPBAG)
Radiological Protection Bulletin National Radiological Protection Board, Harwell, Didcot, Berks, England
Radiophys. & Quantum Electron. (USA) – (RPQEAC)
Radiophysics and Quantum Electronics [Translation of: *Izv. VUZ Radiofiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Radiotekh. & Elektron. (USSR) – (RAELA4)
Radiotekhnika i Elektronika Editorial address: 103907 Moskva TSP-3, Pr. Karl Marx 18, USSR [English translation in: *Radio Eng. & Electron. Phys. (USA)*]
Radiotekhnika, Kharkov (USSR) – (RTKHAJ)
Radiotekhnika Izdatel'stvo "Visha Shkola", Khar'kov Gosudarstvennom Universitete, 310003 Khar'kov, USSR
Radiotekhnika, Moskva (USSR) – (RATEAO)
Radiotekhnika Editorial Address: 103031 Moskva K31, Kuznetskii Most D 20, USSR [English translation in: *Telecommun. & Radio Eng. Part 2 (USA)*]
Rail Int. (Belgium) – (RAIIAF)
Rail International International Railway Congress Association, Rue de France 85, B-1070 Bruxelles, Belgium
Railw. Age (USA) – (RAAGA3)
Railway Age Simmons-Boardman Publishing Corp., 508 Birch Street, Bristol, CT 06010, USA
Railw. Eng. (GB) – (RAENDD)
Railway Engineer Title changed to: *Railw. Eng. Int. (GB)*
Railw. Eng. Int. (GB) – (REINDR)
Railway Engineer International Formerly: *Railw. Eng. (GB)* Mechanical Engineering Publications Ltd., 1 Birdcage Walk, London SW1H 9JJ, England
Railw. Gaz. Int. (GB) – (RWGIAN)
Railway Gazette International IPC Transport Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England
Railw. South. Afr. (S. Africa) – (RSAFDR)
Railways Southern Africa Title changed to: *Railways (S. Africa)*
Railways (S. Africa) – (RAILDR)
Railways Formerly: *Railw. South. Afr. (S. Africa)* Thomson Publications SA (Pty.) Ltd., P.O. Box 8308, Johannesburg 2000, South Africa
RAIRO Anal. Numer. (France) – (RFANDS)
RAIRO Analyse Numerique/Numerical Analysis Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France
RAIRO Autom./Syst. Anal. & Control (France) – (RFAADN)
RAIRO Automatique/Systems Analysis and Control Centrale de Revues Dunod/Gauthier-Villars B.P. 119, 93104 Montreuil Cedex, France
RAIRO Inf. Theor./Theor. Comput. Sci. (France) – (RSITD7)
RAIRO Informatique Theoretique/Theoretical Computer Science C.D.R./Centrale des Revues, B.P. 119, 93104 Montreuil Cedex, France
RAIRO Inf./Comput. Sci. (France) – (RSINDN)
RAIRO Informatique/Computer Science Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France
Rairo Rech. Oper./Oper. Res. (France) – (RSROD3)
RAIRO Recherche Operationnelle/Operations Research Centrale des Revues Dunod/Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France
Range (Netherlands) – (RNVPAM)
Range Philips' Telecommunicatie Industrie BV, Hilversum, Netherlands
RCA Broadcast News (USA) – (RCABB3)
RCA Broadcast News RCA Communications Systems Division, Princeton, NJ 08540, USA
RCA Rev. (USA) – (RCARCI)
RCA Review Radio Corporation of America, RCA Laboratories Division, Princeton, NJ 08540, USA
RCA Tech. Not. (USA) – (RCTNAV)
RCA Technical Notes Radio Corporation of America, Princeton, NJ 08540, USA
Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan) – (TDDDAI)
Record of Electrical and Communication Engineering Conversazione Tohoku University Tohoku University, Research Institute of Electrical Communication, Sendai, Japan
Rech. Aerosp. (France) – (REARAU)
Recherche Aerospatiale Office National d'Etudes et de Recherches Aerospatiales, 29 Avenue de la Division Leclerc, 92320-Chatillon, France
Rechentech. Datenverarb. (Germany) – (RTDVAQ)
Rechentechnik Datenverarbeitung Verlag die Wirtschaft Berlin, 1055 Berlin, Am Friedrichshain 22, Germany
Recherche (France) – (RCCHBV)
Recherche Societe d'Editions Scientifiques, 57 rue de Seine, 75006 Paris, France
Refractories (USA) – (REFRAL)
Refractories [Translation of: *Ogneupory (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Reg. Conf. Ser. Math. (USA) – (RCSMDQ)
Regional Conference Series in Mathematics American Mathematical Society, Box 6248, Providence, RI 02904, USA
Regelungstech. Prax. (Germany) – (RGPXAZ)
Regelungstechnische Praxis R. Oldenbourg, Rosenheimer Strasse 145, 8 Munchen 80, Germany
Regelungstechnik (Germany) – (RLSTA5)
Regelungstechnik Formerly: *Regelungstech. & Prozess-Datenverarb. (Germany)* R. Oldenbourg, Rosenheimer Strasse 145, 8 Munchen 80, Germany
Remote Sensing Environ. (USA) – (RSEEA7)
Remote Sensing of Environment American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA
Rend. Ist. Lomb. A (Italy) – (RLMAAK)
Istituto Lombardo. Rendiconti A. Scienze Accademia di Scienze e Lettere, Palozzo Brera, Via Brera 28, Milano, Italy
Rep. Fac. Eng. Shizuoka Univ. (Japan) – (SDKKAT)
Reports of the Faculty of Engineering Shizuoka University Hamamatsu, Japan
Rep. Gov. Ind. Res. Inst. Nagoya (Japan) – (NKGSAR)
Reports of the Government Industrial Research Institute Nagoya Hirate-machi Kita-ku, Nagoya, Japan
Rep. Himeji Inst. Technol. (Japan) – (HKDKAO)
Reports of Himeji Institute of Technology Himeji, Japan
Rep. Inst. High Speed Mech. Tohoku Univ. Ser. B (Japan) – (RHSMAO)
Reports of the Institute of High Speed Mechanics, Tohoku University (A section of: Science Reports of the Research Institute, Tohoku University, Series B (Technology)) Sendai, Japan
Rep. Inst. Ind. Sci. Univ. Tokyo (Japan) – (RIISAX)
Report of the Institute of Industrial Science, University of Tokyo 22-1 Roppongi, 7-chome, Minato-ku, Tokyo 106, Japan
Rep. Inst. Phys. & Chem. Res. (Japan) – (RKKHAO)
Reports of the Institute of Physical and Chemical Research Rikagaku Kenkyushu, Wako-shi, Saitama 351, Japan
Rep. Ionos. & Space Res. Jpn. (Japan) – (RISRAC)
Report of Ionosphere and Space Research in Japan Title changed to: *Sol. Terr. Environ. Res. Jpn. (Japan)*
Rep. Math. Phys. (GB) – (RMHPBE)
Reports on Mathematical Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Subscription address: ARS Polona-Ruch Foreign Trade Enterprise, Krakowskie Przedmiescie 7, 00-068 Warszawa
Rep. NRL Prog. (USA) – (RNRLAO)
Report of NRL Progress National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22151, USA
Rep. Prog. Phys. (GB) – (RPPHAG)
Reports on Progress in Physics Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

Rep. Res. Inst. Appl. Mech. (Japan) – (RMKUA9)
Reports of Research Institute for Applied Mechanics Kyushu University, Hakozaki, Fukuoka 812, Japan
Rep. Res. Inst. Electr. Commun. Tohoku Univ. (Japan) – (RRETAB)
Reports of the Research Institute of Electrical Communication, Tohoku University Sendai, Japan
Rep. Res. Inst. Ind. Sci. Kyushu Univ. (Japan) – (KURRAE)
Reports of the Research Institute of Industrial Science, Kyushu University Fakuota, Kyushu, Japan
Rep. Res. Inst. Sci. & Technol. Nihon Univ. (Japan) – (RRITAV)
Report of the Research Institute of Science and Technology Nihon University Rikogaku-Kenkuyjo (Research Institute of Science and Technology), Nihon University, No. 8, 1-chome, Surugadai, Kanda, Chiyoda-ku, Tokyo, Japan
Rep. Res. Inst. Strength & Fract. Mater. (Japan) – (TDSKBD)
Reports of the Research Institute for Strength and Fracture of Materials Tohuku University, Sendai, Japan
Rep. Res. Lab. Surf. Sci. Okayama Univ. (Japan) – (RSSOA5)
Reports of the Research Laboratory for Surface Science, Okayama University Faculty of Science, Okayama, Japan
Rep. Stat. Appl. Res. UJSE (Japan) – (RARJAT)
Reports of Statistical Application Research, Union of Japanese Scientists and Engineers 5-10-11 Sendagaka, Shibuya-ku, Tokyo, Japan
Rep. Univ. Electro-Commun. (Japan) – (DTDRAU)
Reports of the University of Electro-Communications University of Electro-Communications, 1-5-1 Chofugaoka, Chofu-shi, Tokyo, Japan
Reprogr. Q. (GB) – (RPGQAW)
Reprographics Quarterly NRCd, Hatfield Polytechnic, Endymion Road Annexe, Hatfield, Herts. AL10 8AU, England
Res. Bull. Reg. Eng. Coll. Warangal (India) – (WREBAC)
Research Bulletin, Regional Engineering College, Warangal Warangal (AP) Kazipet (PO), India
Res. Disclosure (GB) – (RSDSBB)
Research Disclosure Industrial Opportunities Ltd., 13/14 Homewell, Havant, Hants. PO9 1EF, England
Res. Electrotech. Lab. (Japan) – (DSKHAS)
Researches of the Electrotechnical Laboratory 2-chome, Nagata-cho, Chiyoda-ku, Tokyo, Japan
Res. Rep. Autom. Control Lab. Fac. Eng. Nagoya Univ. (Japan) – (NDKJA5)
Research Reports of Automatic Control Laboratory, Faculty of Engineering, Nagoya University Chikusa, Nagoya, Japan
Res. Rep. Fac. Eng. Meiji Univ. (Japan) – (MDKKAV)
Research Reports of the Faculty of Engineering, Meiji University Meiji, Japan
Res. Rep. Inst. Inf. Sci. & Technol. Tokyo Denki Univ. (Japan)
Research Reports, Institute of Information Science & Technology, Tokyo Denki University Tokyo, Japan
Res. Rep. Nagaoka Tech. Coll. (Japan) – (NKTDAD)
Research Reports of the Nagaoka Technical College Library of the Nagaoka Technical College, Nishi-Katakai-machi, Nagaoka-shi, Niigata-ken, Japan
Res. Rep. Tokyo Denki Univ. (Japan)
Research Reports of Tokyo Denki University Tokyo, Japan
Res./Dev. (USA) – (REDEA6)
Research/Development Title changed to: *Ind. Res./Dev. (USA)*
Resour. & Energy (Netherlands) – (RESND9)
Resources and Energy North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Rev. Acad. Cienc. Zaragoza (Spain) – (RACZA2)
Revista de la Academia de Ciencias Zaragoza Academia de Ciencias Exactas, Fisico-Quimicas y Naturales de Zaragoza, Plaza de Paraiso 1, Zaragoza, Spain
Rev. Astron. (Argentina) – (RVANB2)
Revista Astronomica Asociacion Argentina Amigos de le Astronomia, Avenida Patricias Argentinas 550, Buenos Aires 5, Argentina
Rev. Belge Stat. Inf. & Rech. Oper. (Belgium) – (RBSODP)
Revue Belge de Statistique, d'Informatique et de Recherche Operationnelle (Belgisch Tijdschrift voor Statistiek, Informatiek en Operationeel Onderzoek) SOGESCI Societe Belge pour l'Application des Methodes Scientifiques de Gestion, Rue du Neufchatel 66, 1060 Bruxelles, Belgium
Rev. Bras. Fis. (Brazil) – (RBFSA3)
Revista Brasileira de Fisica Sociedade Brasileira de Fisica, Cx. Postal 20553, Sao Paolo SP, Brazil
Rev. Cethedec (France) – (RCETA8)
Revue du Cethedec Centre d'Etudes Theoriques de la Detection et des Communications, 5 bis, avenue de la Porte de Sevres, Paris 15, France
Rev. Chim. Miner. (France) – (RVCMA8)
Revue de Chimie Minerale Centrale des Revues Dunod-Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreiul Cedex, France
Rev. E (Belgium) – (RVUEA6)
Revue E Issued with: *Bull. Soc. R. Belge Electr. (Belgium)*
Rev. Electr. Commun. Lab. (Japan) – (RELTAN)
Review of the Electrical Communication Laboratories Nippon Telegraph and Telephone Public Corp., Midori-cho, 9-11 Musasino-si, 3 chome, Tokyo 180, Japan
Rev. Electrotec. (Argentina) – (RVELAF)
Revista Electrotecnica Asociacion Argentina de Electrotecnicos y del Comite Electrotecnico Argentina, Posadas 1659, Buenos Aires, Argentina
Rev. Electrotec. (Spain) – (RVELAF)
Revista Electrotecnica Asociacon Electrotecnica Espanola, Aribau 61, Barcelona, Spain
Rev. Energ. (France) – (REEND7)
Revue de l'Energie Les Editions Techniques et Economiques, 3 Rue Soufflot, 75005 Paris, France
Rev. Esp. Doc. Cient. (Spain)
Revista Espanola de Documentacion Cientifica Instituto de Informacion y Documentacion en Cienca y Tecnologia, Joaquin Costa 22, Madrid 6, Spain
Rev. Esp. Electron. (Spain) – (RVEEBT)
Revista Espanola de Electronica Ediciones Tecnicas 'Rede', Apartado 5252, Barcelona, Spain
Rev. Fac. Cienc. Univ. Lisboa B (Portugal) – (RFCLAT)
Revista de Faculdade de Ciencias, Universidade de Lisboa, B-Ciencias Fisico-Quimicas Rua da Escola Politecnica, Lisboa, Portugal
Rev. Fac. Eng. Univ. Porto (Portugal) – (RFEPAH)
Revista da Faculdade de Engenharia, Universidade do Porto Porto, Portugal
Rev. Fac. Sci. Univ. Istanbul C (Turkey) – (IFMCAL)
Revue de la Faculte des Sciences de l'Universite d'Istanbul (Istanbul Universitesi Fen Fakultesi Mecmuasi) Serie C (Astronomie, Physique, Chimie) Beyazit, Istanbul, Turkey
Rev. FITCE (Belgium) – (RFITBG)
Revue F.I.T.C.E Federation des Ingenieurs des Telecommunications de la Communaute Europeenne, 42 rue des Palais, 1030 Bruxelles, Belgium
Rev. Fr. Electr. (France) – (RFELA5)
Revue Francaise de l'Electricite Editions Sodel, 336-340 rue St-Honore, 75001 Paris, France
Rev. Gen. Chemins de Fer (France) – (RGCFAI)
Revue General des Chemins de Fer Centrale des Revues, Dunod/Gauthier-Villars, 70 rue de Saint-Mande, BP 119, 93104 Montreuil Cedex 1, France
Rev. Gen. Electr. (France) – (RGELAC)
Revue Generale de l'Electricite Societe des Electriciens des Electroniciens et des Radioelectriciens, 48 rue de la Procession, 75724 Paris, Cedex 15, France
Rev. Gen. Nucl. (France) – (RGNUDJ)
Revue Generale Nucleaire Societe Francaise d'Energie Nucleaire, 16 Rue Franklin, 75016 Paris, France
Rev. Gen. Therm. (France) – (RGTHA7)
Revue Generale de Thermique Thermique & Industrie, 2 rue de Tanneries, Paris 75013, France
Rev. Geofis. (Spain) – (RGNGA8)
Revista de Geofisica Institute Nacional de Geofisica, Serrano 123, Madrid 6, Spain
Rev. Geophys. & Space Phys. (USA) – (RGPSBL)
Reviews of Geophysics and Space Physics Formerly: *Rev. Geophys. (USA)* American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA
Rev. HF (Belgium) – (RVUHAF)
Revue HF Societe Belge des Ingenieurs des Telecommunications et d'Electronique, 66 Chaussee de Ruisbrock, Bruxelles 1190, Belgium
Rev. Inf. & Autom. (Spain) – (RIAUD2)
Revista de Informatica y Automatica Asociacion Espanola de Informatica y Automatica, Facultad de Ciencias, Ciudad Universitaria, Madrid-3, Spain
Rev. Int. Hautes Temp. & Refract. (France) – (RIHTAV)
Revue Internationale des Hautes Temperatres et des Refractaires Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France
Rev. Jeumont-Schneider (France) – (RJSCA8)
Revue Jeumont-Schneider 5 Place de Rio de Janeiro, Paris 8, France
Rev. Mex. Astron. & Astrofis. (Mexico) – (RMAAD4)
Revista Mexicana de Astronomia y Astrofisica Instituto de Astronomia, UNAM, Apartado Postal 70-264, Mexico 20, D.F, Mexico
Rev. Mex. Fis. (Mexico) – (RMXFAT)
Revista Mexicana de Fisica Sociedad Mexicana de Fisica, Apartado Postal No.20-364, Mexico 20, D.F, Mexico
Rev. Mod. Phys. (USA) – (RMPHAT)
Reviews of Modern Physics Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Rev. Phys. Appl. (France) – (RPHAAN)
Revue de Physique Appliquee Editions de Physique, Z.1. de Coutaboeuy B.P. 112, 91402 Orsay, France
Rev. Phys. Chem. Jpn. (Japan) – (RPCJAP)
Review of Physical Chemistry of Japan Physico-Chemical Society of Japan, College of Science, Kyoto University, Kyoto, Japan
Rev. Polytech. (Switzerland) – (RVPTBR)
Revue Polytechnique Chemin de la Caroline 22, 1213 Petit-Lancy, Geneve, Switzerland
Rev. Radio Res. Lab. (Japan) – (DKKIBA)
Review of the Radio Research Laboratories Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan
Rev. Roum. Phys. (Rumania) – (RRPQAN)
Revue Roumaine de Physique Academie Republicii Populare Romine, Boite Postale 134-135, Bucuresti, Rumania
Rev. Roum. Sci. Tech. Ser. Electrotech. & Energ. (Rumania) – (RTEEAE)
Revue Roumaine des Sciences Techniques. Serie Electrotechnique et Energetique Academia Republicii Populare Romine. Editorial address: Sos. Vitan 236, Bucuresti, Rumania
Rev. Roum. Sci. Tech. Ser. Mec. Appl. (Rumania) – (RTMAA8)
Revue Roumaine des Sciences Techniques. Serie de Mecanique Appliquee Str. Constantin Mille 15, Bucuresti, Rumania
Rev. Sci. Instrum. (USA) – (RSINAK)
Review of Scientific Instruments American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Rev. Tech. Thomson-CSF (France) – (RTTCBG)
Revue Technique Thomson-CSF Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France
Rev. Telecomun. (Spain) – (RVTEAZ)
Revista de Telecomunicacion Consejo Tecnica de Telecomunicacion, Palacio de Comunicaciones, Apartado 936, Madrid, Spain
Rev. Telegr. Electron. (Argentina) – (RTELB2)
Revista Telegrafica Electronica Editorial address: Avenida Martin Garcia 653, Buenos Aires, Argentina
Reyrolle Parsons Rev. (GB) – (REYRAE)
Reyrolle Parsons Review Title changed to: *NEI Rev. (GB)*
Rheol. Acta (Germany) – (RHEAAK)
Rheologica Acta Dr. Steinkopf Verlag, 6100 Darmstadt, Postfach 1008, Germany
Rhod. Eng. (Rhodesia) – (RHENAP)
Rhodesian Engineer Rhodesian Institution of Engineers, P.O. Box 660, Salisbury, Rhodesia
Ric. Autom. (Italy) – (RCAUBQ)
Ricerche di Automatica E.S.I.A., Edizioni Scientifiche Inglesi Americane srL., Via Sommacampagna 11-13, 00185 Roma, Italy
Ric. Spettrosc. (Italy) – (RSLAAU)
Ricerche Spettroscopiche Specola Vaticana, Citta dei Vaticano, Italy
Riv. Inf. (Italy) – (RIINDL)
Rivista di Informatica AICA - Associazione Italiana per il Calcolo Automatica, c/o FAST, P. le Rodolfo Morandi 2, 20121 Milano, Italy
Riv. Nuovo Cimento (Italy) – (RNUCAC)
Rivista del Nuovo Cimento Societa Italiana di Fisica, Via Degli Andalo 2, Bologna 40124, Italy
Rock Mech. (Austria) – (RMFMAS)
Rock Mechanics (Felsmechanik-Mecanique des Roches) Springer-Verlag, Molkerbastei 5, P.O. Box 367, A-1011 Wien, Austria

Roentgenpraxis (Germany) – (RGPXB2)
Roentgenpraxis S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

Rozpr. Electrotech. (Poland) – (RZETAX)
Rozprawy Electrotechniczne Panstwowe Wydaioructwo Naukowe, Warszawa, Miodowa 10, Poland

Rozpr. Hydrotech. (Poland) – (RZHTAE)
Rozprawy Hydrotechniczne Instytut Budownictwa Wodnego, Polskiej Akademii Nauk w Gdansku, Gdansk, Poland

Rundfunktech. Mitt. (Germany) – (RUMIA5)
Rundfunktechnische Mitteilungen Institut fur Rundfunktechnik, Mittelweg 113, Hamburg 13, Germany

Russ. Eng. J. (GB) – (RENJA3)
Russian Engineering Journal [Translation of: *Vestn. Mashinostr. (USSR)*] Production Engineering Research Association, Melton Mowbray, Leics, England

Russ. Metall. (GB)
Russian Metallurgy [Translation of: *Izv. Akad. Nauk. SSSR Met.*] Scientific Information Consultants Ltd., 661 Finchley Road, London, NW2 2HN, England

Rutgers J. Comput. & Law (USA) – (RJCLAN)
Rutgers Journal of Computers and the Law Rutgers Law School, 180 University Avenue, Newark, NJ 07102, USA

S. Afr. J. Antarct. Res. – (SAARCF)
South African Journal of Antarctic Research Editorial Address: P.O. Box 3718, Johannesburg, South Africa

S. Afr. J. Phys. (S. Africa) – (SAPHDR)
South African Journal of Physics (Suid-Afrikaanse Tydskrif vir Fisika) Bureau for Scientific Publications, P.O. Box 1758, Pretoria 0001, South Africa

Saehkoe (Finland) – (SAEFAV)
Sahko Electricity in Finland Sarkiniementie 3, 00210 Helsinki 21, Finland

Satell. Commun. (USA)
Satellite Communications Cardiff Publishing Co., 3900 South Wadsworth Boulevard, Denver, CO 80235, USA

Sb. Kratk. Soobshch. Fiz. AN SSSR Fiz. Inst. P.N. Lebedeva
Sbornik Kratkie Soobshcheniya po Fizike. AN SSSR. Fizicheskii Institut im. P.N. Lebedeva Editorial address: II733, Moskva B-333, Leninskii Prospekt 53, USSR [English translation in: *Sov. Phys.-Lebedev Inst. Rep. (USA)*]

Scand. Audiol. (Sweden) – (SNADAS)
Scandinavian Audiology Almqvist & Wiksell Periodical Co., P.O. Box 62, S-101 20 Stockholm, Sweden

Scand. J. Stat. Theory & Appl. (Sweden) – (SJSADG)
Scandinavian Journal of Statistics Theory and Applications Almqvist & Wiksell Periodical Co., P.O. Box 62, S-101 20 Stockholm 1, Sweden

Scanner (GB) – (SCANAF)
Scanner Journal of Decca Radar Ltd., Decca House, Albert Embankment, London, SE1, England

Schweiz. Tech. Z. (Switzerland) – (STZTA5)
Schweizerische Technische Zeitschrift Schweizerischer Technischer Verband, Weinbergstrasse 41, 8023 Zurich, Switzerland

Sci-Tech News (USA) – (STNWAM)
Sci-Tech News Anita Friedman, Xerox Corporation, Technical Library A3-25, 701 S.Aviation Blvd., El Segundo, CA 90245, USA

Sci. & Cult. (India) – (SCINAL)
Science and Culture Indian Science News Association, 92 Acharya Prafullachandra Road, Calcutta 9, India

Sci. & Eng. Rep. Def. Acad. (Japan) – (BDRKAD)
Scientific and Engineering Reports of the Defense Academy National Defense Academy, Yokosuka, Japan

Sci. & Eng. Rep. Saitama Univ. Ser. C (Japan) – (SSECBD)
Science and Engineering Reports of Saitama University, Series C Urawa-City, Saitama-ken, Japan

Sci. & Eng. Rev. Doshisha Univ. (Japan) – (DDRKAZ)
Science and Engineering Review of Doshisha University Science and Engineering Research Institute of Doshisha University, Kyoto, Japan

Sci. & Ind. (Netherlands)
Science and Industry Philips Scientific and Industrial Equipment Division, Building TQ III 4, Eindhoven, Netherlands

Sci. & Technol. (Australia) – (SAUTBI)
Science and Technology Research Publications Pty. Ltd., 418 Canterbury Road, Surrey Hills, 3127 Victoria, Australia

Sci. Am. (USA) – (SCAMAC)
Scientific American 415 Madison Avenue, New York, NY 10017, USA

Sci. Atmos. Sin. (China) – (TKHSDX)
Scientia Atmospherica Sinica Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, People's Republic of China

Sci. Dimension (Canada) – (NRSDAN)
Science Dimension National Research Council of Canada, Ottawa K1A OR6, Canada

Sci. Electr. (Switzerland) – (SCELAT)
Scientia Electrica Institut fur Hohere Elektrotechnik, Eidgenossische Technische Hochschule, Gloriastr. 35, 8006-Zurich, Switzerland

Sci. Light (Japan) – (SCLIAL)
Science of Light Published by the Institute for Optical Research, Tokyo University of Education (in collaboration with the Spectroscopical Society of Japan). 400, Hyakunintyo-4, Sinyuku, Tokyo 160, Japan

Sci. Pap. Coll. Gen. Educ. Univ. Tokyo (Japan) – (SPUTAK)
Scientific Papers of the College of General Education, University of Tokyo Komaba, Meguro-ku, Tokyo, Japan

Sci. Pap. Inst. Phys. & Chem. Res. (Japan) – (SPIPAG)
Scientific Papers of the Institute of Physical and Chemical Research Rikagaku Kenkyusho, Wako-shi, Saitama 351, Japan

Sci. Proc. R. Dublin Soc. Ser. A (Ireland) – (SPDAAE)
Scientific Proceedings of the Royal Dublin Society, Series A Ball's Bridge, Dublin, Ireland

Sci. Prog. (GB) – (SCPRAY)
Science Progress Blackwell Scientific Publications, Oxford, England

Sci. Rep. Kanazawa Univ. (Japan) – (SRKAAT)
Science Reports of Kanazawa University Faculty of Science, Kanazawa University, Kanazawa, Japan

Sci. Rep. Osaka Univ. (Japan) – (SCRTAG)
Science Reports Osaka University College of General Education, Osaka University, Toyonaka, Osaka, Japan

Sci. Rep. Res. Inst. Tohoku Univ. Ser. A (Japan) – (SRTAA6)
Science Reports of the Research Institutes, Tohoku University. Series A (Physics, Chemistry, and Metallurgy) Sendai, Japan

Sci. Rep. Saitama Univ. Ser. A (Japan) – (SRSAAZ)
Science Reports of the Saitama University. Series A (Mathematics, Physics and Chemistry) Urawa, Japan

Sci. Rep. Tohoku Univ. I (Japan) – (STUCAV)
Science Reports of the Tohoku University, First Series Faculty of Science, Tohoku University, Sendai, Japan

Sci. Rep. Yokohama Natl. Univ. Sect. I (Japan) – (SYUMAS)
Science Reports of the Yokohama National University. Section I (Mathematics, Physics and Chemistry) Faculty of Liberal Arts and Education, Yokohama National University, Tokiwadai 156, Hodogaya-ku, Yokohama 240, Japan

Sci. Rev. (Yugoslavia) – (SRVUA8)
Scienca Revuo Prof. B. Popovic, Ognjena Price 80, Beograd, Yugoslavia

Sci. Sin. (China) – (SSINAV)
Scientia Sinica Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, China

Sci. Sintering (Yugoslavia) – (SCSNB4)
Science of Sintering Yugoslav Committee for ETAN, P.O. Box 356 (ETAN), 11001 Beograd, Yugoslavia

Sci. Tools (Sweden) – (SCTOAB)
Science Tools LKB Produkter Fabriksaktiebolag, P.O. Box 76, Stockholm-Bromma 1, Sweden

Science (USA) – (SCIEAS)
Science American Association for the Advancement of Science, 1515 Massachusetts Avenue N.W., Washington, DC 20005, USA

Scientia (Chile) – (SCNTAU)
Scientia Universidad Tecnica Federico Santa Maria, Casilla 110-V, Valparaiso, Chile

Scientometrics (Netherlands) – (SCNTDX)
Scientometrics Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Scr. Fac. Sci. Nat. Univ. Purkynianae Brunensis Phys. (Czechoslovakia) – (SUPBAA)
Scripta Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis, Physica University J.E. Purkyne, 61137 Brno-Kotlarska 2, Czechoslovakia

Scr. Metall. (USA) – (SCRMBU)
Scripta Metallurgica Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Sdelovaci Tech. (Czechoslovakia) – (SDTEAM)
Sdelovaci Technika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Sea Technol. (USA) – (SEATAD)
Sea Technology Compass Publications Inc., Suite 1000, 1117 North 19th Street, Arlington, VA 22209, USA

Seismol. Ser. Earth Phys. Branch (Canada) – (CESSCS)
Seismological Series of the Earth Physics Branch Department of Energy, Mines and Resources, Ottawa, Canada

Semicond. & Insul. (GB) – (SINSD4)
Semiconductors and Insulators Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Semin. Nucl. Med. (USA) – (SMNMAB)
Seminars in Nuclear Medicine Grune & Stratton Inc., 177 Fifth Avenye, New York, NY 10003, USA

SERT J. (GB) – (SERJAY)
SERT Journal Title changed to: *Electron. Technol. (GB)*

Shimadzu Rev. (Japan) – (SHHYAG)
Shimadzu Review Shimadzu Seisakusho Ltd., Kawaramachi Nijo, Nakagyo-ku, Kyoto, Japan

Showa Wire & Cable Rev. (Japan) – (SDDRAF)
Showa Wire and Cable Review Showa Electric Wire and Cable Co. Ltd., Tokyo Toranomon Building, No. 10, Shiba-Toranomon, Minato-ku, Tokyo, Japan

SIAM J. Appl. Math. (USA) – (SMJMAP)
SIAM Journal on Applied Mathematics Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Comput. (USA) – (SMJCAT)
SIAM Journal on Computing SIAM Publications, 33 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Control & Optimiz. (USA) – (SJCODC)
SIAM Journal on Control and Optimization SIAM Publications, 33 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Math. Anal. (USA) – (SJMAAH)
SIAM Journal on Mathematical Analysis SIAM Publications, 33 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Numer. Anal. (USA) – (SJNAAM)
SIAM Journal on Numerical Analysis SIAM Publications, 33 South 17th Street, Philadelphia, PA 19103, USA

SIAM Rev. (USA) – (SIREAD)
SIAM Review SIAM Publications, 33 South 17th Street, Philadelphia, PA 19103, USA

Siderurgia (Argentina) – (SIDEDE)
Siderurgia Instituto Argentino de Siderurgia, Avda. Eduardo Madero 1020, Capital, Anexo Edificio Conurban 1 y 2, Piso, Argentina

Siemens Forsch.- & Entwicklungsber. (Germany) – (SFEBBL)
Siemens Forschungs- und Entwicklungsberichte (Research and Development Reports) Springer-Verlag, D-1 Berlin 33, Heidelberger Platz 3, Germany

Siemens Power Eng. (Germany) – (SPOEDG)
Siemens Power Engineering Siemens Aktiengesellschaft, Postfach 3240, D-8520 Erlangen 2, Germany

Siemens Rev. (Germany) – (SZTEA6)
Siemens Review Siemens-Aktiengesellschaft, Postfach 3240, 8520 Erlangen 2, Germany

Siemens-Albis Ber. (Switzerland) – (SABRBJ)
Siemens-Albis Berichte Siemens-Albis Aktiengesellschaft, Albisriederstrasse 245, 8047 Zurich, Switzerland

SIGACT News (USA) – (SIGNDM)
SIGACT News Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

SIGCUE Bull. (USA) – (SIGBDK)
SIGCUE Bulletin Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

SIGLASH Newsl. (USA) – (AHSNAA)
SIGLASH Newsletter Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Signal & Draht (Germany) – (SIGDAN)
Signal und Draht Dr. Arthur Tetzlaff-Verlag, 6000 Frankfurt (Main) 1, Niddastrasse 64, Germany
Signal & Schiene (Germany) – (SIGSAY)
Signal und Schiene 108 Berlin, Franzosische Strasse 13/14, Germany
Signal (USA) – (SGNAAZ)
Signal Armed Forces Communications and Electronics Association, Skyline Center, 5205 Leesburg Pike, Falls Church, Va 22041, USA
Signal Process. (Netherlands) – (SPRODR)
Signal Processig North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
SIGNUM Newsl. (USA) – (SNEWD6)
SIGNUM Newsletter Association of Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
SIGPLAN Not. (USA) – (SINODQ)
SIGPLAN Notices Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
Silikaty (Czechoslovakia) – (SIKTAN)
Silikaty Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia
Simon Stevin (Belgium) – (SSWNAX)
Simon Stevin De Natuur-en Geneeskundige Vennootschap, Krijgslaan 271, B-9000 Gent, Belgium
Simulation & Games (USA) – (SMUGAS)
Simulation & Games Sage Publications, 275 South Beverly Drive, Beverly Hills, CA 90212, USA
Simulation (USA) – (SIMUA2)
Simulation Simulation Councils Inc., P.O. Box 2228, La Jolla, CA 92037, USA
Sist. & Autom. (Italy) – (SSAUBD)
Sistemi e Automazione Editrice E.S.T.E., Edizioni Scientifiche Tecniche Europee S.p.A., 20127 Milano, Via S.A. Sauli 3, Italy
Sitzungsber. Oesterr. Akad. Wiss. Math.-Naturwiss. Kl. Abt. II (Austria) – (SOAMAS)
Sitzungsberichte. Osterreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Abteilung II (Mathematik, Astronomie, Physik, Meteorologie und Technik) Dr. Ignaz-Seipel-Platz 2, A-1010 Wien. Publication address: Springer-Verlag, A-1011-Wien, Molkerbastei 5, Postfach 367, Austria
Skoda Rev. (Czechoslovakia) – (SKORAH)
Skoda Review Ul. 28. rijna 13, Praha 1, Czechoslovakia
Skr. Nor. Vidensk.-Akad. Oslo I (Norway) – (SUNVAQ)
Skrifter utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mathematisk-Naturvidenskaplige Klasse Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway
Sky & Telesc. (USA) – (SKTEA3)
Sky and Telescope Sky Publishing Corp., 49-50-51 Bay State Road, Cambridge, MA 02138, USA
Slaboproudy Obz. (Czechoslovakia) – (SLOZAE)
Slaboproudy Obzor SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia
Small Syst. Software (GB) – (SSSODJ)
Small Systems Software Title changed to: *Mini-Micro Software (GB)*
SMPTE J. (USA) – (SMPJDF)
SMPTE Journal Society of Motion Picture and Television Engineers, 862 Scarsdale Avenue, Scarsdale, NY 10583, USA
Software Age (USA) – (SOAGAA)
Software Age Press Tech Inc., P.O. Box 2076, 211 Fordem Avenue, Madison, WI 53701, USA
Software World (GB) – (SOFWBG)
Software World A.P. Publications Ltd., 322 St. John Street, London, EC1V 4QH, England
Software-Pract. & Exper. (GB) – (SPEXBL)
Software - Practice and Experience John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
Sol. Energy (USA) – (SRENA4)
Solar Energy Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA
Sol. Energy Mater. (Netherlands) – (SOEMDH)
Solar Energy Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Sol. Phys. (Netherlands) – (SLPHAX)
Solar Physics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
Sol. Syst. Res. (USA) – (SSYRAL)
Solar System Research [Translation of: *Astron. Vestn. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sol. Terr. Environ. Res. Jpn. (Japan) – (SERJD3)
Solar Terrestrial Environmental Research in Japan Formerly: *Rep. Ionos. & Space Res. Jpn. (Japan)* Institute of Space and Aeronautical Science, University of Tokyo, 4-6-1, Komaba, Meguro-ku, Tokyo 153, Japan
Solid State Commun. (USA) – (SSCOA4)
Solid State Communications Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA. Supplement to J. Phys. Chem. Solids (GB)
Solid State Phys. (Japan) – (KOTBA2)
Solid State Physics Agne Gijutsu Center, Kitamura Bldg., 5-1-25, Minamiayama, Minatoku, Tokyo, Japan
Solid State Technol. (USA) – (SSTEAP)
Solid State Technology 14 Vanderventer Avenue, Port Washington, Long Island, NY 11050, USA
Solid-State Electron. (GB) – (SSELA5)
Solid-State Electronics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Souder (France) – (SOUDAX)
Souder Editions GEAD, 79 Rue du Faubourg Poissonniere, 75009 Paris, France
Sound & Vib. (USA) – (SOVIAJ)
Sound and Vibration Acoustical Publications Inc., 27101 East Oviatt Road, Bay Village, OH 44140, USA
Sov. Aeronaut. (USA) – (SOAEA4)
Soviet Aeronautics [Translation of: *Izv. VUZ Aviats. Tekh. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
Sov. Appl. Mech. (USA) – (SOAMBT)
Soviet Applied Mechanics [Translation of: *Prikl. Mekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sov. Astron. (USA) – (SAAJAN)
Soviet Astronomy [Translation of: *Astron. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Astron. Lett. (USA) – (SALEDW)
Soviet Astronomy Letters [Translation of: *Pis'ma v Astron. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. At. Energy (USA) – (SATEAZ)
Soviet Atomic Energy [Translation of: *At. Energ. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sov. Autom. Control (USA) – (SAUCBZ)
Soviet Automatic Control [Translation of: *Avtomatika (USSR)*] Scripta Publishing Co., 1511 K Street, N.W., Washington,DC 20005, USA
Sov. Electr. Eng. (USA) – (SOEEAO)
Soviet Electrical Engineering [Translation of: *Elektrotekhnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
Sov. Electrochem. (USA) – (SOECAI)
Soviet Electrochemistry [Translation of: *Elektrokhimiya (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, England
Sov. J. Glass Phys. & Chem. (USA) – (SJGCDU)
Soviet Journal of Glass Physics and Chemistry [Translation of: *Fiz. & Khim. Stekla (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sov. J. Low Temp. Phys. (USA) – (SJLPDQ)
Soviet Journal of Low Temperature Physics [Translation of: *Fiz. Nizk. Temp. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. J. Nondestr. Test. (USA) – (SJNTAB)
Soviet Journal of Nondestructive Testing [Translation of: *Defektoskopiya (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sov. J. Nucl. Phys. (USA) – (SJNCAS)
Soviet Journal of Nuclear Physics [Translation of: *Yad. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. J. Opt. Technol. (USA) – (SJOTBH)
Soviet Journal of Optical Technology [Translation of: *Opt.-Mekh. Prom.-st. (USSR)*] Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. J. Part. & Nucl. (USA) – (SJPNA3)
Soviet Journal of Particles and Nuclei [Translation of: *Fiz. Elem. Chastits & At. Yadra (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. J. Plasma Phys. (USA) – (SJPPDC)
Soviet Journal of Plasma Physics [Translation of: *Fiz. Plazmy (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. J. Quantum Electron. (USA) – (SJQEAF)
Soviet Journal of Quantum Electronics [Translation of: *Kvantovaya Elektron., Moskva (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Mater. Sci. (USA) – (SOMSA4)
Soviet Materials Science [Translation of: *Fiz.-Khim. Mekh. Mater. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sov. Math. (USA) – (SOMADL)
Soviet Mathematics [Translation of: *Izv. VUZ Mat. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
Sov. Meteorol. & Hydrol. (USA) – (SMHYDK)
Soviet Meteorology and Hydrology [Translation of: *Meteorol. & Gidrol. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
Sov. Microelectron. (USA)
Soviet Microelectronics [Translation of: *Mikroelektronika (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sov. Phys. J. (USA) – (SOPJAQ)
Soviet Physics Journal [Translation of: *Izv. VUZ Fiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sov. Phys.-Acoust. (USA) – (SOPAAX)
Soviet Physics-Acoustics [Translation of: *Akust. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Phys.-Collect. (USA) – (SPCODK)
Soviet Physics-Collection [Translation of: *Litov. Fiz. Sb. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
Sov. Phys.-Crystallogr. (USA) – (SPHCA6)
Soviet Physics-Crystallography [Translation of: *Kristallografiya (USSR)*] Published by the American Institute of Physics with the cooperation of the American Crystallographic Association. Subscription address; American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Phys.-Dokl. (USA) – (SPHDA9)
Soviet Physics-Doklady [Translation of: *Dokl. Akad. Nauk SSSR*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Phys.-JETP (USA) – (SPHJAR)
Soviet Physics-JETP [Translation of: *Zh. Eksp. & Teor. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Phys.-Lebedev Inst. Rep. (USA) – (SPLRD6)
Soviet Physics - Lebedev Institute Reports [Translation of: *Sb. Kratk. Soobshch. Fiz. AN SSSR Fiz. Inst. P.N. Lebedeva*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
Sov. Phys.-Semicond. (USA) – (SPSEAX)
Soviet Physics-Semiconductors [Translation of: *Fiz. & Tekh. Poluprovodn. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Phys.-Solid State (USA) – (SPSSA7)
Soviet Physics-Solid State [Translation of: *Fiz. Tverd. Tela (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Phys.-Tech. Phys. (USA) – (SPTPA3)
Soviet Physics-Technical Physics [Translation of: *Zh. Tekh. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Phys.-Usp. (USA) – (SOPUAP)
Soviet Physics-Uspekhi [Translation of: *Usp. Fiz. Nauk (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
Sov. Powder Metall. & Met. Ceram. (USA) – (SPMCAV)
Soviet Powder Metallurgy and Metal Ceramics [Translation of: *Poroshk. Metall. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Sov. Power Eng. (USA) – (SVPEAQ)
Soviet Power Engineering [Translation of: *Elektr. Stantsii (USSR)*] Ralph McElroy Co. Inc., 2102 Rio Grande, Austin, TX 78712, USA

Sov. Tech. Phys. Lett. (USA) – (STPLD2)
Soviet Technical Physics Letters [Translation of: *Pis'ma v Zh. Tekh. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Space Sci. Instrum. (Netherlands) – (SSINDY)
Space Science Instrumentation D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Space Sci. Rev. (Netherlands) – (SPSRA4)
Space Science Reviews D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Spaceworld (USA) – (SPWOAF)
Spaceworld Palmer Publications Inc., Amherst, WI 54406, USA

Span (GB) – (SPNGAE)
Span Central Electricity Generating Board, Burymead House, Guildford, Surrey, England

Spec. Libr. (USA) – (SPLBAN)
Special Libraries Special Libraries Association, 235 Park Avenue South, New York, NY 10003, USA

Spectrochim. Acta Vol. A (GB) – (SAMCAS)
Spectrochimica Acta. Volume A, Molecular Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Spectrochim. Acta Vol. B (GB) – (SAASBH)
Spectrochimica Acta. Volume B, Atomic Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Spectrosc. Lett. (USA) – (SPLEBX)
Spectroscopy Letters Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Speculations Sci. & Technol. (Switzerland) – (SPSTDD)
Speculations in Science and Technology Elsevier Sequoia, S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Sprache & Datenverarb. (Germany) – (SPDADH)
Sprache und Datenverarbeitung Max Niemeyer Verlag, D-7400 Tubingen, Postfach 2140, Germany

Sprecher News (Switzerland)
Sprecher News Sprecher & Schuh AG, Redaktion Neues von Sprecher, CH-5000 Zurich, Switzerland

Stanki & Instrum. (USSR) – (STINA4)
Stanki i Instrument Mashinostroenie, ul. 25 Oktyabrya, d. 10, Moskva, K-12, USSR [English translation in: *Mach. & Tool. (GB)*]

Statistician (GB) – (STTNAP)
Statistician Longman Group Ltd., Journals Division, Longman House, Burnt Mill, Harlow, Essex CM20 2JE, England

Steklo & Keram. (USSR) – (STKRAQ)
Steklo i Keramika Kusnetskii Most, d. 20, Moskva, K-31, USSR [English translation in: *Glass & Ceram. (USA)*]

Stochastic Processes & Appl. (Netherlands) – (STOPB7)
Stochastic Processes & their Applications North-Holland Publishing Co., Journal Division, P.O. Box 211, Amsterdam, Netherlands

Stochastics (GB) – (STOCB2)
Stochastics Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Strain (GB) – (STRABB)
Strain British Society for Strain Measurement, 281 Heaton Road, Newcastle upon Tyne, NE6 5QB, England

Strassenverkehrstechnik (Germany) – (SVKTAC)
Strassenverkehrstechnik Kirschbaum Verlag, 53 Bonn - Bad Godesberg 10, Rudigerstrasse 34, Germany

Strength Mater. (USA) – (SMTLB5)
Strength of Materials [Translation of: *Probl. Prochn. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Strompraxis (Germany) – (STPXB2)
Strompraxis Verlags- und Wirtschaftsgesellschaft der Elektrizitatswerke mbH-VWEW, 6000 Frankfurt (Main) 70, Stresemannallee 23, Germany

Stud. & Cercet. Calc. Econ. & Cibern. Econ. (Rumania) – (SCCEDZ)
Studii si Cercetari de Calcul Economic si Cibernetica Economica Catedra de Cibernetica Economica, Academia de Studii Economice, Bucuresti, Rumania

Stud. & Cercet. Doc. (Rumania) – (SDBIAC)
Studii si Cercetari de Documentare Centrul de Informare si Documentare al Invatamintului, Str. Gutenberg Nr. 6 bis, Sector 6, Bucuresti, Rumania

Stud. & Cercet. Fiz. (Rumania) – (SCEFAB)
Studii si Cercetari de Fizica Academia Republicii Populare Romine. P.O. Box 134-5, Calea Victoriei 126, Bucuresti, Rumania

Stud. & Cercet. Geol. Geofiz. Geogr. Ser. Geofiz. (Rumania) – (SCGGBP)
Studii si Cercetari de Geologie, Geofizica, Geografie. Seria Geofizica Subscription address: Rompresfilatelia, Boite Postale 2001, Bucuresti, Rumania

Stud. Appl. Math. (USA) – (SAPMB6)
Studies in Applied Mathematics American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Stud. Hist. & Philos. Sci. (GB) – (SHPSB5)
Studies in History and Philosophy of Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Stud. J. Inst. Electron. & Telecommun. Eng. (India) – (SJIEDC)
Students' Journal of the Institution of Electronics & Telecommunication Engineers Plot no. 2, Insitutional Area, Lodi Road, New Delhi 110 003, India

Sulzer Tech. Rev. (Switzerland) – (SZTRAB)
Sulzer Technical Review Sulzer Brothers Ltd., Winterthur, Switzerland

Sumitomo Search (Japan) – (SUSEAY)
Sumitomo Search Sumitomo Metal Industries Ltd., 15 Kitahama 5-chome, Higasgh-ku, Osaka 541, Japan

Surf. & Interface Anal. (GB) – (SIANDQ)
Surface and Interface Analysis Heyden & Son Ltd., Spectrum House, Hillview Gardens, London, NW4 2JQ, England

Surf. Sci. (Netherlands) – (SUSCAS)
Surface Science North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Surf. Technol. (Switzerland) – (SUTED8)
Surface Technology Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

Svar. Proizvod. (USSR) – (SVAPAI)
Svarochnoe Proizvodstvo Mashinostroenie, Moskva, I-110 GSP, Nrosnekt Mura, d. 106, USSR [English translation in: *Weld. Prod. (GB)*]

Sven. Kraftverksfoeren. Publ. (Sweden) – (SKFOAV)
Svenska Kraftverksforeningens Publikationer Birger Jarlsgatan 41a, 111 45 Stockholm, Sweden

Sven. Kraftverksfoeren. Publ. Medd. (Sweden) – (SKFMBQ)
Svenska Kraftverksforeningens Publikationer Meddelande Birger Jarlsgatan 41b, 111 45 Stockholm, Sweden

Svetotekhnika (USSR) – (SVETAG)
Svetotekhnika Agent: Mezhdunarodnaya Kniga, Moskva, USSR

Svetsaren (Sweden) – (SVSEB8)
Svetsaren (English Edition) ESAB, Box 8850, S-402 71 Goteborg 8, Sweden

Syst. & Control (Japan) – (SYCNA9)
Systems and Control Japan Association of Automatic Control Engineers, 14 Kawahara-cho, Yoshida, Sakyo-Ku-Kyoho 606, Japan

Syst. Int. (GB) – (SYIND8)
Systems International Interface Media Division, Gershire Ltd., 103 Kent Road, Dartford, Kent, England

Syst. Logiques (Switzerland) – (SYLGAX)
Systemes Logiques Chaire de Systemes Logiques, Ecole Polytechnique Federale, 16 Chemin de Bellerive, ch-1007 Lausanne, Switzerland

Syst. Sci. (Poland) – (SYSCDP)
Systems Science Editorial address: Institute of Technical Cybernetics, Wroclaw Technical University, ul. Janiszewskiego 11/17, 50-372 Wroclaw, Poland

Syst. Technol. (GB) – (SYTEAX)
Systems Technology Plessey Co., Coopers Buildings, Church Street, Liverpool, L1 3AN, England

Syst.-Comput.-Control (USA) – (SYCCBB)
System - Computers - Control Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D (Japan) and other primary Japanese periodicals

Systems (S. Africa) – (SYSMBJ)
Systems (Stelsels) Systems Publishers (Pty) Ltd., 8th Floor, Rennie House, 19 Ameshoff Street, Braamfontein, Johannesburg 2001, South Africa

Szigma (Hungary) – (SMKED9)
Szigma Akademiai Kiado, 1363 Budapest V, Alkotmany u. 21, Hungary

Szklo & Ceram. (Poland) – (SZKCAN)
Szklo i Ceramika Warszawa 1, Mokotowska 4/6, pok 40, Poland

T.-I.-T. J. Life Sci. (USA) – (TJLSA9)
T.-I.-T. Journal of Life Sciences T.-I.-T. Institute, P.O. Box 4563, Philadelphia, PA 19131, USA

Takenaka Tech. Res. Rep. (Japan) – (TGKHAI)
Takenaka Technical Research Report Takenaka Komuten Co. Ltd., 27 4-chome, Hommachi, Higashi-ku, Osaka, Japan

Talanta (GB) – (TLNTA2)
Talanta Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

TE Int. (Italy) – (TEITDX)
TE International Issued with: *Tecnnol. Elettr. (Italy)*

Tec. Ital. (Italy) – (TITLAL)
Tecnica Italiana Via Matteotti 55, 34071 Cormons (Gorizia), Italy

Tec. Regul. & Mando Autom. (Spain) – (TRAUBH)
Tecnica de la Regulacion y Mando Automatico Compania Espanola de Editoriales Tecnologicas Internacionales SA. (CETISA), Concepcion Arenal 5 y 7, Barcelona (16), Spain

Tech. CEM (France) – (TQCEB6)
Techniques CEM Cie Electro-Mecanique, 37 rue du Rocher, Paris 8, France

Tech. Chron. (Greece) – (TECHAW)
Technika Chronika Technical Chamber of Greece, Kolokotron Street, Athens, Greece

Tech. Dig. (USA) – (TCHDAV)
Technical Digest Western Electric Co., 555 Union Boulevard, Allentown, PA 18103, USA. Western Electric Co., Patent Organisation, Department 400, 555 Union Boulevard, Allentown, PA 18103

Tech. Electron. Son Telev. (France) – (TESTCE)
Techniques Electroniques Son Television Societe des Editions Radio, 9 rue Jacob, Paris 6, France

Tech. Inf. GRW (Germany) – (TIGRB9)
Technische Information GRW VEB Gerate und Regler Werke, 153 Teltow, bei Berlin, Ruhlsdorfer Strasse 23, Germany

Tech. Knih. (Czechoslovakia) – (TEKNAM)
Technicka Knihovna Editorial address: 113 57 Praha 1, Konviktska 5, Czechoslovakia

Tech. Mess. - ATM (Germany) – (TMAMDS)
Technisches Messen - ATM Title changed to: *Tech. Mess. tm (Germany)*

Tech. Mess. tm (Germany) – (TMAMDS)
Technisches Messen tm Formerly: *Tech. Mess. - ATM (Germany)* R. Oldenbourg Verlag GmbH, Rosenheimer Strasse 145, 8000 Munchen 80, Germany

Tech. Mitt. AEG-Telefunken (Germany) – (TMATBD)
Technische Mitteilungen AEG-Telefunken Allgemeine Elektricitats Gesellschaft, Hohenzollerndamm 150, 1 Berlin 33, Germany

Tech. Mitt. Krupp Forschungsber. (Germany) – (TMKFAK)
Technische Mitteilungen Krupp Forschungsberichte Fachbucherei Krupp, Postfach 917, 43 Essen 1, Germany

Tech. Mitt. Krupp Werksber. (Germany) – (TMKWA3)
Technische Mitteilungen Krupp. Werksberichte Friedr. Krupp GmbH, 43 Essen, Postfach 917, Germany

Tech. Mitt. PTT (Switzerland) – (TMPTAJ)
Technische Mitteilungen PTT (Bulletin Technique PTT, Bollettino Tecnico PTT) Generaldirektion PTT, Viktoriastrasse 21, 3000 Bern 33, Switzerland

Tech. Mitt. RFZ (Germany) – (TMRFAL)
Technische Mitteilungen des Rundfunk-und Fernsehtechnischen Zentralamtes Agastrasse, Berlin-Aldershof, Germany

Tech. Mod. (France) – (TEMDA2)
La Technique Moderne 7 Rue Cesar-Franck, 75015 Paris, France

Tech. Radia & Telew. (Poland) – (TRTLAG)
Technika Radia i Telewizji Wydawca - Wydawnictwa Radia i Telewizji, 02-724 Warszawa, ul. Chelmska 9/11, Poland

Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan) – (TRAEB3)
Technical Reports of the Institute of Atomic Energy, Kyoto University Kyoto, Japan

Tech. Res. Cent. Finland Electr. & Nucl. Technol. Publ. – (ENCTAY)
Technical Research Centre of Finland Electrical and Nuclear Technology Publication 00180 Helsinki 18, Lonnrotinkatu 37, Finland

Tech. Res. Cent. Finland Mater. & Process Technol. Publ. – (TFMPBC)
Technical Research Centre of Finland Materials and Process Technology Publication 00180 Helsinki 18, Lonnrotinkatu 37, Finland

Tech. Rundsch. (Switzerland) – (TCRUAU)
Technische Rundschau Hallwag Verlag, Nordring 4, 3001 Bern, Switzerland
Technica (Switzerland) – (TCHNAR)
Technica E. Birkhauser, CH-4010 Basel 10, Switzerland
Technik (Germany) – (TEBEAI)
Technik VEB Verlag Technik, Oranienburgerstrasse 13/14. 102 Berlin, Germany
Technion (Israel) – (TCNNAN)
Technion Israel Institute of Technology, Technion City, Haifa, Israel
Technol. Forecast. & Soc. Change (USA) – (TFSCB3)
Technological Forecasting and Social Change Elsevier North Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA
Technol. Rep. Iwate Univ. (Japan) – (TIWUAT)
Technology Reports of the Iwate University Faculty of Engineering, Morioka, Japan
Technol. Rep. Kansai Univ. (Japan) – (TRKUAW)
Technology Reports of Kansai University Faculty of Engineering, Kansai University, Senriyama, Suita-City, Osaka, Japan
Technol. Rep. Kyushu Univ. (Japan) – (KDKSAX)
Technology Reports of the Kyushu University Faculty of Engineering, Fukuoka, Japan
Technol. Rep. Osaka Univ. (Japan) – (TROUAI)
Technology Reports of the Osaka University Faculty of Engineering, Osaka University, Yamada-Kami, Suita, Osaka 565, Japan
Technol. Rep. Seikei Univ. (Japan) – (SKKGAW)
Technology Reports of the Seikei University College of Technology, Seikei University, Musashino-Shi, Tokyo, Japan, Japan
Technol. Rep. Tohoku Univ. (Japan) – (TRTUA9)
Technology Reports of the Tohoku University Sendai, Japan
Tecnica (Portugal) – (TECLAA)
Tecnica Associacao dos Estudantes do Instituto Superior Tecnico, Av. Rovisco Pais, Lisboa-1, Portugal
Tecnol. Elettr. (Italy) – (TEELDN)
Tecnologie Elettriche Centro Commerciale Milano San Felice, 20090 Segrate (Milano), Italy
Tectonophysics (Netherlands) – (TCTOAM)
Tectonophysics Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Tegnikon (S. Africa) – (TEGNA2)
Tegnikon Die Suid-Afrikaanse Akademie wir Wetenskap en Kuns, Engelenburghuis, Hamiltonstraat, Postbus 538, Pretoria, S. Africa
Teh. Fiz. (Yugoslavia) – (TEFIDJ)
Tehnicka Fizika (Journal of Engineering Physics) Universitet u Beograd, Zavod za Fiziku Tehnickih Fakulteta, Rizveltova 1a, 11000 Beograd, Yugoslavia
Tehnika (Yugoslavia) – (TEHBA5)
Tehnika Beograd, Kneza Milosa 7/11,, Yugoslavia
Tek. Tidskr. (Sweden) – (TTIDAJ)
Teknisk Tidskrift Ingenjorsforlaget AB, Box 5703, 114 87 Stockholm, Sweden
Tek. Ukebl. (Norway) – (TUGEAJ)
Teknisk Ukeblad Ingeniorforlaget A/S, Ingenioreres Hus, Kronprinsens Gt, 17, Boks 2476, Solli, Oslo 2, Norway
Tekh. Kibern. (USSR) – (TEKIB8)
Tekhnicheskaya Kibernetika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Eng. Cybern. (USA)*]
Tekh. Kino & Telev. (USSR) – (TKTEAE)
Tekhnika Kino i Televideniya Leningradskii Prospekt 47, Moskva A-167, USSR
Tekh. Misul (Bulgaria) – (TKMSBM)
Tekhnicheska Misul Bulgarska Akademija na Naukite, Kv. Geo Milev, Ul. 36, BAN, IV Blok, Sofiya, Bulgaria
Tekscope (USA) – (TEKSC5)
Tekscope Tektronix Inc., P.O. Box 500, Beaverton, OR 97005, USA
Telcom Rep. (Germany) – (TELRD8)
Telcom Report Siemens Aktiengesellschaft, Machtlfinger Strasse 10, Postfach 70 00 79, D-8000 Munchen 70, Germany
Tele (Swed. Ed.) (Sweden) – (TELEBZ)
Tele (Swedish Edition) Marbackagatan 11, 123 86 Farsta, Sweden
Telecommun. & Radio Eng. Part 1 (USA) – (TCREAG)
Telecommunications and Radio Engineering Part 1: Telecommunications [Translation of: *Elektrosvyaz (USSR)*] Scripta Publishing Co., 1511 K Street, N.W., Washington, DC 20005, USA
Telecommun. & Radio Eng. Part 2 (USA) – (TCREAG)
Telecommunications and Radio Engineering, Part 2: Radio Engineering [Translation of: *Radiotekhnika, Moskva (USSR)*] Scripta Publishing Co., 1511 K Street, N.W., Washington, DC 20005, USA
Telecommun. J. (Engl. Ed.) (Switzerland) – (TCJOA6)
Telecommunication Journal (English Edition) International Telecommunications Union, Place des Nations, 1211 Geneve 20, Switzerland
Telecommun. J. Aust. (Australia) – (TCJAAW)
Telecommunication Journal of Australia Telecommunication Society of Australia, Box 4050, GPO Melbourne, 3001, Victoria, Australia
Telecommun. Policy (GB)
Telecommunications Policy IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford GU2 5BH, Surrey, England
Telecommunications (India) – (TCMSAX)
Telecommunications Telecommunication Training Centre Building, Ridge Road, Jabalpur 6 (MP), India
Telecommunications (USA) – (TLCOAY)
Telecommunications 610 Washington Street, Dedham, MA 02026, USA
Telecomunicazioni (Italy) – (TLCZAX)
Telecomunicazioni Societa Italiana Telecomunicazioni Siemens s.p.a., 20149 Milano, Piazzale Zavattari 12, Italy
Telef. Rep. (Germany) – (TLFRBP)
Telefon Report Siemens AG, 8000 Munchen 25, Machtlfinger Strasse 10, Postfach 700079, Germany
Telegr. & Telef. (Netherlands) – (TETEA6)
Telegraaf en Telefoon Vereniging van Hoger Personeel der PTT. Perestraat 187, Den Haag, Netherlands
Telekomunikacije (Yugoslavia) – (TLKMAY)
Telekomunikacije Zajednica JPTT, Beograd, Palmotice va 2, Yugoslavia
Telektronikk (Norway) – (TKTKAW)
Telektronikk Telegrafstyrets Bibliotek, Kongensgt. 21, Oslo, Norway
Teleph. Eng. & Manage. (USA) – (TPEMAW)
Telephone Engineer and Management Harcourt Brace Jovanovich Publications, 124 South First Street, Geneva, IL 60134, USA
Telephony (USA) – (TLPNAS)
Telephony Telephony Publishing Corp., 55 East Jackson Boulevard, Chicago, IL 60604, USA
Telesis (Canada) – (TLSSAO)
Telesis Bell-Northern Research, P.O. Box 3511, Station 'C', Ottawa, Ontario K1Y 4H7, Canada
Teleteknik (Engl. Ed.) (Denmark) – (TLKKAS)
Teleteknik (English Edition) 16 Kannikegade, DK 8000 Aarhus C, Denmark
Telettra (Italy) – (TELTBC)
Telettra Title changed to: *Telettra Rev. (Italy)*
Telettra Rev. (Italy) – (TREVD8)
Telettra Review Formerly: *Telettra (Italy)* Telettra S.p.A., Via trento 30, Vimercante, Milano, Italy
Television (GB) – (TVSCAC)
Television IPC Magazines Ltd., Lavington House, Lavington Street, London SE1 0PF, England
Television (J. R. Telev. Soc.) (GB) – (TELED3)
Television (Journal of the Royal Television Society) Formerly: *R. Telev. Soc. J. (GB)* Tavistock House East, Tavistock Square, London, WC1H 9HR, England
Tellus (Sweden) – (TELLAL)
Tellus Svenska Geofysiska Foreningen, Arrhenius Laboratoriet, S-106 91 Stockholm, Sweden
Telonde (France) – (TLNDAM)
Telonde Thomson-CSF, BP 2000, 78-Versailles, France
Teor. & Eksp. Khim. (USSR) – (TEKHA4)
Teoreticheskaya i Eksperimental'naya Khimiya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theor. & Exp. Chem. (USA)*]
Teor. & Mat. Fiz. (USSR) – (TMFZAL)
Teoreticheskaya i Matematicheskaya Fizika Editorial address: Department of Theoretical Physics, Institute of Mathematics, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Theor. & Math. Phys. (USA)*]
Teor. Veroyatn. & Primen. (USSR) – (TVPRA8)
Teoriya Veroyatnostei i ee Primeneniya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theory Probab. & Appl. (USA)*]
Teploenergetika (USSR) – (TPLOA5)
Teploenergetika Krasnokasarmennaya ul., d. 14, Moskva, E-250, USSR [English translations of selected articles in:*Therm. Eng. (GB)*]
Teplofiz. & Teplotekh. (USSR) – (TFTTAO)
Teplofizika i Teplotekhnika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
Teplofiz. Vys. Temp. (USSR) – (TVYTAP)
Teplofizika Vysokikh Temperatur Akademiya Nauk SSSR. 17 Korpus 2, Moskva E-250, USSR [English translation in: *High Temp. (USA)*]
TESLA Electron. (Czechoslovakia) – (TNPTAQ)
TESLA Electronics TESLA Electronics and Telecommunications, Karlovo nam. 7, Praha 2, Czechoslovakia
Texas J. Sci. (USA) – (TJSCAU)
Texas Journal of Science The Talley Press, San Angelo, Texas, USA
Texture (GB) – (TXTRB9)
Texture Title changed to: *Texture Cryst. Solids (GB)*
Texture Cryst. Solids (GB)
Texture of Crystalline Solids Formerly: *Texture (GB)* Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England
Theor. & Exp. Chem. (USA) – (TEXCAK)
Theoretical and Experimental Chemistry [Translation of: *Teor. & Eksp. Khim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Theor. & Math. Phys. (USA) – (TMPHAH)
Theoretical and Mathematical Physics [Translation of: *Teor. & Mat. Fiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
Theor. Chim. Acta (Germany) – (TCHAAM)
Theoretica Chimica Acta Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
Theor. Comput. Sci. (Netherlands) – (TCSCDI)
Theoretical Computer Science North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
Theory Probab. & Appl. (USA) – (TPRBAU)
Theory of Probability and its Applications [Translation of: *Teor. Veroyatn. & Primen. (USSR)*] Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, PA 19103, USA
Therm. Eng. (GB) – (THENAD)
Thermal Engineering [Translation of: *Teploenergetika (USSR)*] British Library Lending Division, Boston Spa, Wetherby, West Yorks. LS23 7BQ, England. Distribution Centre, Blackhorse Road, Letchworth, Herts. SG6 1HN
Thin Solid Films (Switzerland) – (THSFAP)
Thin Solid Films Elsevier Sequoia, P.O. Box 851, 1001 Lausanne 1, Switzerland
Tidskr. Dok. (Sweden) – (TDDKA5)
Tidskrift for Dokumentation Tekniska Litteratursallskapet, Box 5073, 161 11 Bromma 11, Sweden
Tijdschr. Ned. Elektron.- & Radiogenoot. (Netherlands) – (NERTA9)
Tijdschrift van het Nederlands Elektronica- en Radiogenootschap Postbus 39, Leidschendam, Netherlands
Toim. Eesti NSV Tead. Akad. Fuus. Mat. (USSR) – (ETFMB3)
Eesti NSV Teaduste Akadeemia. Toimetised. Fuusika, Matemaatika Sakala 3, Tallinn, Estonia, USSR
Tokyo Astron. Bull. (Japan) – (TKABAC)
Tokyo Astronomical Bulletin Tokyo Astronomical Observatory, University of Tokyo, Mitaka, Tokyo, Japan
Tokyo Astron. Obs. Rep. (Japan) – (TAORAQ)
Tokyo Astronomical Observatory Report University of Tokyo, Mitaka, Tokyo, Japan
Tokyo Astron. Obs. Time & Latitude Bull. (Japan) – (TATLBY)
Tokyo Astronomical Observatory Time and Latitude Bulletins Mitaka, Tokyo, Japan
Tool. & Prod. (USA) – (TOPRAR)
Tooling and Production Huebner Publications, 5821 Harper Road, Solon, OH 44139, USA
Toshiba Rev. (Int. Ed.) (Japan) – (TRIEA8)
Toshiba Review (International Edition) Tokyo Shibaura Electric Co., 1, Komukai Toshiba-Cho, Kawasaki, Japan
Toute Electron. (France) – (TOELAM)
Toute l'Electronique Societe des Editions Radio, 9 rue Jacob, 75006 Paris, France

Traffic Eng. & Control (GB) – (TENCA4)
Traffic Engineering & Control Printerhall Ltd., 29 Newman Street, London, W1P 3PE, England

Traffic Manage. Int. (USA) – (TMIND3)
Traffic Management International Cahners Publidhing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Trans. & J. Br. Ceram. Soc. (GB) – (TJBCAD)
Transactions and Journal of the British Ceramic Society Shelton House, Stoke-on-Trent, England

Trans. Am. Nucl. Soc. (USA) – (TANSAO)
Transactions of the American Nuclear Society American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Trans. ASME Ser. A, J. Eng. Power (USA) – (JEPOA8)
Transactions of the ASME. Series A, Journal of Engineering for Power Title changed to: *Trans. ASME. J. Eng. Power (USA)*

Trans. ASME Ser. B, J. Eng. Ind. (USA) – (JEFIA8)
Transactions of the ASME. Series B, Journal of Engineering for Industry Title changed to: *Trans. ASME. J. Eng. Ind. (USA)*

Trans. ASME Ser. C, J. Heat Transfer (USA) – (JHTRAO)
Transactions of the ASME. Series C, Journal of Heat Transfer Title changed to: *Trans. ASME. J. Heat Transfer (USA)*

Trans. ASME Ser. E, J. Appl. Mech. (USA) – (JAMCAV)
Transactions of the ASME, Series E, Journal of Applied Mechanics Title changed to: *Trans. ASME. J. Appl. Mech. (USA)*

Trans. ASME Ser. F, J. Lubr. Technol. (USA) – (JLUTAT)
Transactions of the ASME, Series F, Journal of Lubrication Technology Title changed to: *Trans. ASME. J. Lubr. Technol. (USA)*

Trans. ASME Ser. G, J. Dyn. Syst. Meas. & Control (USA) – (JDSMAA)
Transactions of the ASME. Series G, Journal of Dynamic Systems, Measurement and Control Title changed to: *Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)*

Trans. ASME Ser. H, J. Eng. Mater. & Technol. (USA) – (JEMTA8)
Transactions of the ASME. Series H, Journal of Engineering Materials and Technology Title changed to: *Trans. ASME. J. Eng. Mater. & Technol. (USA)*

Trans. ASME Ser. I, J. Fluids Eng. (USA) – (JFEGA4)
Transactions of the ASME. Series I, Journal of Fluids Engineering Title changed to: *Trans. ASME. J. Fluids Eng. (USA)*

Trans. ASME Ser. J, J. Pressure Vessel Technol. (USA) – (JPVTAS)
Transactions of the ASME. Series J, Journal of Pressure Vessel Technology Title changed to: *Trans. ASME. J. Pressure Vessel Technol. (USA)*

Trans. ASME Ser. K, J. Biomech. Eng. (USA)
Transactions of the ASME, Series K, Journal of Biomechanical Engineering Title changed to: *Trans. ASME. J. Biomech. Eng. (USA)*

Trans. ASME. J. Appl. Mech. (USA) – (JAMCAV)
Transactions of the ASME. Journal of Applied Mechanics Formerly: *Trans. ASME Ser. E, J. Appl. Mech. (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Biomech. Eng. (USA) – (JBENDY)
Transactions of the ASME. Journal of Biomechanical Engineering Formerly: *Trans. ASME Ser. K, J. Biomech. Eng. (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Dyn. Syst. Meas. & Control (USA) – (JDSMAA)
Transactions of the ASME. Journal of Dynamic Systems, Measurement and Control Formerly: *Trans. ASME Ser. G, J. Dyn. Syst. Meas. & Control (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Ind. (USA) – (JEFIA8)
Transactions of the ASME. Journal of Engineering for Industry Formerly: *Trans. ASME Ser. B, J. Eng. Ind. (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Mater. & Technol. (USA) – (JEMTA8)
Transactions of the ASME. Journal of Engineering Materials and Technology Formerly: *Trans. ASME Ser. H, J. Eng. Mater. & Technol. (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Power (USA) – (JEPOA8)
Transactions of the ASME. Journal of Engineering for Power Formerly: *Trans. ASME Ser. A, J. Eng. Power (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Fluids Eng. (USA) – (JFEGA4)
Transcations of the ASME. Journal of Fluids Engineering Formerly: *Trans. ASME Ser. I, J. Fluids Eng. (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Heat Transfer (USA) – (JHTRAO)
Transactions of the ASME. Journal of Heat Transfer Formerly: *Trans. ASME Ser. C, J. Heat Transfer (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Lubr. Technol. (USA) – (JLUTAT)
Transactions of the ASME. Journal of Lubrication Technology Formerly: *Trans. ASME Ser. F, J. Lubr. Technol. (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Mech. Des. (USA) – (JMDEDB)
Transaction of the ASME. Journal of Mechanical Design American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Pressure Vessel Technol. (USA) – (JPVTAS)
Transactions of the ASME. Journal of Pressure Vessel Technology Formerly: *Trans. ASME Ser. J, J. Pressure Vessel Technol. (USA)* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. Bose Res. Inst. (India) – (TBICAQ)
Transactions of the Bose Research Institute 93/1 Acharya Prafulla Chandra Road, Calcutta 9, India

Trans. Electr. Supply Auth. Eng. Inst. N.Z. (New Zealand) – (TSAZD7)
Transactions of the Electric Supply Authority Engineers' Institute of New Zealand Inc P.O. Box 3047, Wellington, New Zealand

Trans. Inf. Process. Soc. Jpn. (Japan)
Transactions of the Information Processing Society of Japan Kikai-Shinko-Kai Bldg., 3-5-8 Shiba-koen, Minato-ku, Tokyo 105, Japan

Trans. Inst. Chem. Eng. (GB) – (TICEAH)
Transactions of the Institution of Chemical Engineers 16 Belgrave Square, London, SW1X 8PT, England

Trans. Inst. Electr. Eng. Jpn. (Japan) – (TIEJA8)
Transactions of the Institute of Electrical Engineers of Japan Denshi Tsushin Gakkai, Yuraku-cho, Chiyoda-ku, Tokyo, Japan [English translation in: *Electr. Eng. Jap. (USA)*]. Journal split into 3 parts: Trans. Inst. Electr. Eng. Jpn. Part A, B and C (Japan)

Trans. Inst. Electr. Eng. Jpn. Part A (Japan) – (DGKRA8)
Transactions of the Institute of Electrical Engineers of Japan, Part A Yuraku-cho, Chiyoda-ku, Tokyo, Japan

Trans. Inst. Electr. Eng. Jpn. Part B (Japan) – (DGRBDW)
Transactions of the Institute of Electrical Engineers of Japan, Part B Yuraku-cho, Chiyoda-ku, Tokyo, Japan

Trans. Inst. Electr. Eng. Jpn. Part C (Japan) – (DGRCDZ)
Transactions of the Institute of Electrical Engineers of Japan, Part C Yuraku-cho, Chiyoda-ku, Tokyo, Japan

Trans. Inst. Electron. & Commun. Eng. Jpn. Part A (Japan) – (DTGABT)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part A Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan) – (DTGBBW)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part B Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan) – (DTGCAY)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part C Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan) – (DTGDA3)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part D Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

Trans. Inst. Electron. & Commun. Eng. Jpn. Sect. E (Japan) – (TIEEDU)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Section E (English) Kikai-Shinko-Kaikan, 5-8 Shibakoen 3-chome, Minato-ku, Tokyo 105, Japan. Contains original contributions in English and abridged version in English of papers and letters published in Japanese in Trans. Inst. Electron. & Commun. Eng. Jpn. Parts A, B, C and D(Japan)

Trans. Inst. Meas. & Control (GB) – (TICODG)
Transactions of the Institute of Measurement and Control 20 Peel Street, London, W8 7DP, England

Trans. Inst. Met. Finish. (GB) – (TIMFA2)
Transactions of the Institute of Metal Finishing 178 Goswell Road, London, EC1, England

Trans. Jpn. Inst. Met. (Japan) – (TJIMAA)
Transactions of the Japan Institute of Metals Japan Institute of Metals, Aoba Araniaki, Sendai 980, Japan

Trans. Natl. Res. Inst. Met. (Japan) – (TNRMAF)
Transactions of National Research Institute for Metals 3-12, 2-chome, Nakameguro, Meguro-ku, Tokyo, Japan

Trans. North East Coast Inst. Eng. Shipbuild. (GB) – (TNEEAS)
Transactions of the North East Coast Institution of Engineers and Shipbuilders Bolbec Hall, Westgate Road, Newcastle-upon-Tyne, NE1 1TB, England

Trans. R. Soc. Can. (Canada) – (TRSCAI)
Transactions of the Royal Society of Canada (Memoires de la Societe Royale du Canada) National Library, 395 Wellington Street, Ottawa 4, Canada. University of Toronto Press, Toronto 5, Ontario

Trans. Rhod. Sci. Assoc. (Rhodesia) – (TRSADF)
Transactions of the Rhodesia Scientific Association M.O. Collins (Pvt) Ltd., P.O. Box 3094, Salisbury, Rhodesia

Trans. S. Afr. Inst. Electr. Eng. (S. Africa) – (TSAEA9)
Transactions of the South African Institute of Electrical Engineers Kelvin Publications, Loveday Street, P.O. Box 2988, 2000 Johannesburg, South Africa

Trans. SAEST (India) – (TSETA6)
Transactions of the Society for Advancement of Electrochemical Science and Technology Cecrinagar, Karaikudi-3, Tamil Nadu, India

Trans. Soc. Instrum. & Control Eng. (Japan) – (TSICA9)
Transactions of the Society of Instrument and Control Engineers Kotohira Annex, 39 Kotohira-cho Shiba, Minato-ku, Tokyo 105, Japan

Trans. Soc. Rheol. (USA) – (TSRHAZ)
Transactions of the Society of Rheology Title changed to: *J. Rheol. (USA)*

Trans. Tech. Sect. Can. Pulp & Pap. Assoc. (Canada)
Transactions of the Technical Section, Canadian Pulp and Paper Association 2300 Sun Life Building, Montreal, Que. H3B 2X9, Canada

Transelektro News (Hungary) – (TREKB7)
Transelektro News Hungarian Trading Co. for Electrical Equipment and Supplies, Budapest 62, PO Box 337, Hungary

Transm. & Distrib. (USA) – (TRDIAT)
Transmission and Distribution Cleworth Publishing Co., One River Road, Cos Cob, CT 16807, USA

Transp. Plann. & Technol. (GB) – (TPLTAK)
Transport Planning and Technology Gordon and Breach Science Publications Ltd. 41 and 42 William IV Street, London, WC2, England

Transp. Res. (GB) – (TRREBK)
Transportation Research Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England. Journal split into two parts: Transp. Res. Parts A and B (GB)

Transp. Res. Part A (GB) – (TRAGDB)
Transportation Research Part A: General Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Transp. Res. Part B (GB) – (TRBMDY)
Transportation Research Part B: Methodological Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Transp. Sci. (USA) – (TRSCBJ)
Transportation Science Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Transp. Theory & Stat. Phys. (USA) – (TTSPB4)
Transport Theory and Statistical Physics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Tribology Int. (GB) – (TRBIBK)
Tribology International IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Tud. & Musz. Tajek. (Hungary) – (TMTAAG)
Tudomanyos es Muszaki Tajekoztatas Orszagos Muszaki Konyvtar es Dokumentacios Kozpont, Budapest VIII, Reviczky u. 6, Hungary

Ukr. Fiz. Zh. (USSR) – (UFIZAW)
Ukrayins'kyi Fizychnyi Zhurnal 'Naukova Dumka', Kiev, Repina 3, USSR

Ultramicroscopy (Netherlands) – (ULTRD6)
Ultramicroscopy North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Ultrasonics (GB) – (ULTRA3)
Ultrasonics IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH Guildford, Surrey GU1 3EW, England

Ultrasound Med. & Biol. (GB) – (USMBA3)
Ultrasound in Medicine & Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Umsch. Wiss. & Tech. (Germany) – (UWTCAZ)
Umschau in Wissenschaft und Technik Umschau Verlag, Stuttgarter Strasse 18-24, 6 Frankfurt am Main, Germany

Und-oder-Nor & Steuerungstech. (Germany) – (UONSDY)
Und-oder-Nor & Steuerungstechnik Distribution-Verlag GmbH, 65 Mainz, Lessingstrasse 12-14, Germany

Unesco Bull. Libr. (France) – (UNBLAB)
Unesco Bulletin for Libraries Title changed to: *Unesco J. Inf. Sci. Librarianship & Arch. Adm. (France)*

Unesco J. Inf. Sci. Librarianship & Arch. Adm. (France) – (UJIADM)
Unesco Journal of Information Science, Librarianship and Archives Administration Formerly: *Unesco Bull. Libr. (France)* United Nations Educational, Scientific and Cultural Organization, 7 Place de Fontenoy, 75700 Paris, France

Union Burma J. Sci. & Technol. – (UBJSAM)
Union of Burma Journal of Science and Technology Union of Burma Applied Resrarch Institute, Yankin P.O., Rangoon, Burma

Univ. Tripoli Bull. Fac. Eng. (Libya) – (BFETDQ)
University of Tripoli Bulletin of the Faculty of Engineering P.O. Box 1098, Tripoli, Libya

Usp. Fiz. Nauk (USSR) – (UFNAAG)
Uspekhi Fizicheskii Nauk Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Usp. (USA)*]

USSR Comput. Math. & Math. Phys. (GB) – (CMMPA9)
U.S.S.R. Computational Mathematics and Mathematical Physics [Translation of: *Zh. Vychisl. Mat. & Mat. Fiz. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

UV Spectrom. Group Bull. (GB) – (UVSGAZ)
UV Spectrometry Group Bulletin Formerly: *Photoelectr. Spectrom. Group Bull. (GB)* c/o Pye Unicam Ltd., York Street, Cambridge, CB1 2PX, England

Vac News (India) – (VACNBB)
Vac News Indian Vacuum Society, c/o Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Bombay 400 085, India

Vacuum (GB) – (VACUAV)
Vacuum Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

VDE Fachber. (Germany) – (VDEFAH)
VDE Fachberichte Verband Deutscher Elektrotechniker. Bismarckstrasse 33, 1000 Berlin 12, Germany

VDI Z. (Germany) – (VDIZAT)
VDI Zeitschrift Verlag des Vereins Deutscher Ingenieure, Graf-Recke Strasse 84, 4 Dusseldorf 1, Germany

Veh. Syst. Dyn. (Netherlands) – (VSDYA4)
Vehicle System Dynamics Swets & Zeitlinger N.V., 347B Heereweg, Lisse, Netherlands

Verh. Dtsch. Phys. Ges. (Germany) – (VDPEAZ)
Verhandlungen der Deutschen Physikalischen Gesellschaft 645 Hanau, Heraeusstrasse 9, Germany

Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium) – (VVABA9)
Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie Title changed to: *Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. Kl. Wet. (Belgium)*

Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. Kl. Wet. (Belgium) – (VKKWAB)
Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie, Klasse der Wetenschappen Formerly: *Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium)* Paleis der Academien, Hertogsstraat 1, B-1000 Brussel, Belgium

Verkstaederna (Sweden) – (VSTDAL)
Verkstaderna Storgatan 5, Box 5510, 114 85 Stockholm 5, Sweden

Vertica (GB) – (VERTDW)
Vertica Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Vestn. Leningr. Univ. Fiz. & Khim. (USSR) – (VLUFBI)
Vestnik Leningradskogo Universiteta– Fizika i Khimiya Leningrad University Press, Universitetskaya Nab.7/9, Leningrad B-164, USSR

Vestn. Leningr. Univ. Ser. Mat. Mekh. & Astron. (USSR) – (VLUAA2)
Vestnik Leningradskogo Universiteta-Seriya; Matematika, Mekhanika i Astronomiya Universitetskaya Nab.7/9, Leningrad B-164, USSR

Vestn. Mashinostr. (USSR) – (VMASAV)
Vestnik Mashinostroeniya Mashinostroenie, Prospekt Mira, d. 106, Moskva, GSP-110, USSR [English translation in: *Russ. Eng. J. (GB)*]

Vestn. Mosk. Univ. Fiz. Astron. (USSR) – (VMUFAO)
Vestnik Moskovskogo Universiteta - Fizika, Astronomiya Moskva K-9, Ulitsa Gertsena 5/7, USSR [English translation in: *Moscow Univ. Phys. Bull. (USA)*]

Vestn. Mosk. Univ. Mat. Mekh. (USSR) – (VMMMA5)
Vestnik Moskovskogo Universiteta. Matematika, Mekhanika Izdatel'stvo Moskovskogo Universiteta, Moskva, K-9, Ul. Gertsena Dom 5/7, USSR

Vestn. Mosk. Univ. Ser. 15 (USSR) – (VMUKD8)
Vestnik Moskovskogo Universiteta, Seriya 15, Vychislitel'naya Matematika i Kibernetika Izdatel'stvo Moskovskogo Universiteta, Moskva, 103009, ul. Gertsena 5-7, USSR [English translation in: *Moscow Univ. Comput. Math. & Cybern. (USSR)*]

Vestsi Akad. Navuk BSSR Ser. Fiz. Energ. Navuk – (VABFAF)
Vestsi Akademii Navuk BSSR. Serya Fizika Energetychnykh Navuk 'Navuk i Tekhnika', Leninski Prospekt 68, Minsk, USSR

Vide (France) – (VIDEAA)
Le Vide Title changed to: *Vide les Couches Minces (France)*

Vide les Couches Minces (France)
Le Vide les Couches Minces Formerly: *Vide (France)* Societe Francaise du Vide, 19 rue du Renard, 75004 Paris, France

Vignana Bharathi (India) – (VBHAD6)
Vignana Bharathi Department of Publications & Extension, Bangalore University, Bangalore 560056, India

Villamossag (Hungary) – (VLMSAG)
Villamossag Lapkiado Vallalat, Lenin Korut 9-11, Budapest VII, Hungary

VINE (GB) – (VINEDT)
VINE University of Southampton, Southampton SO9 5NH, England

Visible Lang. (USA) – (VSLGAO)
Visible Language c/o Cleveland Museum of Art, Cleveland, OH 44106, USA

Vision Res. (GB) – (VISRAM)
Vision Research Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Vistas Astron. (GB) – (VASTA6)
Vistas in Astronomy Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Vrashchenie & Prilivnye Deform. Zemli (USSR) – (VPDZAK)
Vrashchenie i Prilivnye Deformatsii Zemli Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Vychisl. Metody & Program. (USSR) – (VYMPAU)
Vychislitel'nye Metody i Programmirovanie Izdatel'stvo Moskovskogo Universiteta, Moskva, K-9, Ul. Gertsena d. 5/7, USSR

Vysokomol. Soedin. Ser. A (USSR) – (VYSAAF)
Vysokomolekulyarnye Soedineniya, Seriya A Akademiya Nauk USSR, Leninskii Prosp., Moskva, USSR [English translation in: *Polym. Sci. USSR (GB)*]

Waerme (Germany) – (WARMAP)
Warme Adelheidstrasse 28, 8 Munchen 40, Germany

Waerme- & Stoffuebertrag. (Germany) – (WASBBW)
Warme- und Stoffubertragung Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

Water Res. (GB) – (WATRAG)
Water Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Water Resour. Res. (USA) – (WRERAQ)
Water Resources Research American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Water, Air & Soil Pollut. (Netherlands) – (WAPLAC)
Water, Air and Soil Pollution D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Wave Electron. (Netherlands) – (WAELDS)
Wave Electronics Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Wave Motion (Netherlands) – (WAMOD9)
Wave Motion North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Wear (Switzerland) – (WEARCJ)
Wear Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Weather (GB) – (WTHRAL)
Weather James Glaisher House, Grenville Place, Bracknell, Berks RG12 1BX, England

Weld. & Met. Fabr. (GB) – (WLMFAM)
Welding and Metal Fabrication IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey GU1 3EW, England

Weld. Des. & Fabr. (USA) – (WDEFAS)
Welding Design and Fabrication Industrial Publishing Co., 614 Superior Avenue, W., Cleveland, OH 44113, USA

Weld. Prod. (GB) – (WEPRAO)
Welding Production [Translation of: *Svar. Proizvod. (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England

Werkstatt & Betr. (Germany) – (WKUBA9)
Werkstatt und Betrieb Carl Hanser Verlag, Kolbergstrasse 22, D-8000 Munchen 80, Germany

Western Electric Eng. (USA) – (WELEAX)
Western Electric Engineer Western Electric Co., 195 Broadway, New York, NY 10007, USA

Which Comput. (GB) – (WHCOD8)
Which Computer? Which Computer? Ltd., 30-31 Islington Green, London N1, England

Wiad. Elektrotech. (Poland) – (WDELAC)
Wiadomsci Elektrotechniczne Wydawnictwa Czasopism I Ksiazek Technicznych, ul Swietokrzyska 14a, 00-950 Warszawa, Skrytha 1004, Poland

Wiad. Telekomun. (Poland) – (WDTEAW)
Wiadomosci Telekomunikacyjne Editorial address: Warszawa, Kazimierzowska 52, Poland

Wire (Germany) – (WIRDAK)
Wire Meisenbach KG, Hainstrasse 18, P.O. Box 2069, D-8600 Bamberg, Germany

Wire Technol. (USA) – (WITED2)
Wire Technology P.O. Box 480, Stamford, CT 06904, USA

Wire World Int. (Germany) – (WWINAZ)
Wire World International Vogel-Verlag, Talstrasse 32a, P.O. Box 8311, D-4000 Dusseldorf, Germany

Wireless World (GB) – (WIWOAA)
Wireless World IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Wiring Install. & Supplies (GB) – (WISUDB)
Wiring Installations and Supplies Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Wiss. Ber. AEG-Telefunken (Germany) – (WBATB3)
Wissenschaftliche Berichte AEG-Telefunken Elitera Verlag, 1 Berlin 33 (Grunewald), Fritz-Wildungstrasse 22, Germany

Wiss. Z. Friedrich-Schiller-Univ. Jena, Math. Naturwiss. Reihe (Germany) – (WZFMA4)
Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universitaet Jena, Mathematisch-Naturwissenschaftliche Reihe Friedrich-Schiller Universitaet, Jena, Am Anger 24, Germany

Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Naturwiss. Reihe (Germany) – (WZMNA8)
Wissenschaftliche Zeitschrift Karl-Marx-Universitat Leipzig. Mathematisch-Naturwissenschaftliche Reihe 701 Leipzig, Ritterstrasse 14, Germany

Wiss. Z. Tech. Hochsch. Ilmenau (Germany) – (WZTHAP)
Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau Strasse der Jungen Techniker 21, Ilmenau, Germany

Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany) – (WZTKAY)
Wissenschaftliche Zeitschrift der Technischen Hochschule Karl-Marx-Stadt DDR-9001, Karl-Marx-Stadt, Postfach 964, Germany

Wiss. Z. Tech. Hochsch. Otto von Guericke Magdeburg (Germany) – (WCGMAI)
Wissenschaftliche Zeitschrift der Technischen Hochschule Otto von Guericke Magdeburg 301 Magdeburg, Bierutplatz 5, Germany

Wiss. Z. Tech. Univ. Dresden (Germany) – (WZTUAU)
Wissenschaftliche Zeitschrift der Technischen Universitat Dresden Mommsenstrasse 13, Dresden A227, Germany

Wiss. Z. Univ. Rostock Ges.-Sprachwiss. Reihe (Germany) – (WZRGAC)
Wissenschaftliche Zeitschrift der Universitat Rostock. Gesellschafts- und Sprachwissenschaftliche Reihe Rostock, Vogelsang 13/14, Germany

Word Process. World (USA) – (WPWODS)
Word Processing World Geyer-McAllister Publications Inc., 51 Madison Avenue, New York, NY 10010, USA

Wuli (China) – (WULIAL)
Wuli Science Press, Peking, People's Republic of China. Subscription address: Guozi Shudian, P.O. Box 399, Peking

Yad. Fiz. (USSR) – (IDFZA7)
Yadernaya Fizika Izdatel[QUOTE]stvo [QUOTE][QUOTE]Nauka", 103717 GSP Moskva K-62, Podsosenskii Per. 21, USSR [English translation in: *Sov. J. Nucl. Phys. (USA)*]

Yogyo-Kyokai-Shi (Japan) – (YGKSA4)
Yogyo-Kyokai-Shi (Journal of the Ceramic Society of Japan) 22-17, 2-chome, Hyakunin-cho, Shinjuku-ku, Tokyo 160, Japan

Z. Allg. Wissenschaftstheor. (Germany) – (ZAWTA2)
Zeitschrift fur Allgemeine Wissenschaftstheorie (Journal for General Philosophy of Science) Franz Steiner Verlag, 62 Wiesbaden, Postfach 5529, Germany

Z. Angew. Math. & Mech. (Germany) – (ZAMMAX)
Zeitschrift fur angewandte Mathematik und Mechanik Akademie-Verlag GmbH, 108 Berlin, Leipziger Strasse 3-4, Germany

Z. Angew. Math. & Phys. (Switzerland) – (ZAMPA8)
Zeitschrift fur angewandte Mathematik und Physik Verlag Birkhauser, Postfach 4000, Basel 24, Switzerland

Z. Eisenbahnwes. & Verkehrstech. (Glasers Ann.) (Germany) – (ZEVGAK)
Zeitschrift fur Eisenbahnwesen und Verkehrstechnik (Glasers Annalen) Georg Siemens Verlagsbuchlandlung, 1 Berlin 30, Lutzwstrasse 105/106, Germany

Z. Elektr. Inf.- & Energietech. (Germany) – (ZEIZAC)
Zeitschrift fur Elektrische Informatins- und Energietechnik Akademische Verlagsgesellschaft Geest & Portig K.G., DDR 701 Leipzig, Sternwartenstrasse 8, Germany. Formerly: Hochfrequenztech. & Elektroakust. (Germany) and Wiss. Z. Elektrotech. (Germany)

Z. Flugwiss. & Weltraumforsch. (Germany) – (ZFWEDT)
Zeitschrift fur Flugwissenschaften und Weltraumforschung DFVLR, Postfach 3267, D-3000 Braunschweig, Germany

Z. Math. Logik & Grundlagen Math. (Germany) – (ZMLGAQ)
Zeitschrift fur Mathematische Logik und Grundlagen der Mathematik Deutscher Buch-Export und Import GmbH, 701 Leipzig, Leninstrasse 16, Germany

Z. Metallkd. (Germany) – (ZEMTAE)
Zeitschrift fur Metallkunde Dr.Riederer-Verlag GmbH., D-7 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany

Z. Naturforsch. a (Germany) – (ZENAAU)
Zeitschrift fur Naturforschung (a): Astrophysik, Physik und physikalische Chemie P.O. Box 2645, D-7400 Tubingen, Germany

Z. Oper. Res. Ser. A (Germany) – (ZORTB8)
Zeitschrift fur Operations Research, Serie A: Theorie Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany

Z. Oper. Res. Ser. B (Germany) – (ZORPBU)
Zeitschrift fur Operations Research, Serie B: Praxis Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany

Z. Phys. A (Germany) – (ZPAADB)
Zeitschrift fur Physik A (Atoms and Nuclei) Springer-Verlag, D-6900 Heidelberg 1 Postfach 105 280, Germany

Z. Phys. B (Germany) – (ZPBBDJ)
Zeitschrift fur Physik B (Condensed Matter and Quanta) Springer-Verlag, D-6900 Heidelberg 1, Postfach 105 280, Germany

Z. Phys. C (Germany) – (ZPCFD2)
Zeitschrift fur Physik C (Particles and Fields) Springer-Verlag, P.O. Box 105280, D-6900 Heidelberg 1, Germany

Z. Phys. Chem., Wiesbaden (Germany) – (ZPCFAX)
Zeitschrift fur physikalische Chemie. Neue Folge Akademische Verlagsgesellschaft, Bahnhofstrasse 39, 6200 Wiesbaden, Germany

Z. Phys. Chem.,Leipzig (Germany) – (ZPCLAH)
Zeitschrift fur physikalische Chemie Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, 701 Leipzig, Germany

Z. Vermessungswes. (Germany) – (ZTVRAM)
Zeitschrift fur Vermessungswesen Verlag Konrad Wittwer KG, Postfach 147, D-7000 Stuttgart 1, Germany

Zagadnienia Drgan Nieliniowych (Poland) – (ZDNIAD)
Zagadnienia Drgan Nieliniowych (Nonlinear Vibration Problems) Title changed to: *Nonlinear Vib. Probl. (Poland)*

Zavod. Lab. (USSR) – (ZVDLAU)
Zavodskaya Laboratoriya 2-i, Obydenskii Per., D, 14, Moskva, G-34, USSR [English translation in: *Ind. Lab. (USA)*]

Zeiss Inf. (Germany) – (ZEISAP)
Zeiss Information Carl Zeiss, Oberkochen/ Wurtt, Germany

Zesz. Nauk. Politech. Lodz. Elektr. (Poland) – (ZNPEAD)
Zeszyty Naukowe Politechniki Lodzkiej Elektryka Redakcja Wydawnictw Naukowych Politechniki Lodzkiej. Lodz. Ul. Gdanska 155, Poland

Zesz. Nauk. Politech. Lodz. Fiz. (Poland) – (ZNPFDJ)
Zeszyty Naukowe Politechnika Lodzka Fizyka Redakcja Wydawnictw Naukowych Politechnika Lodzkeij, 93-005 Lodz, ul. Wolczanska 219, Poland

Zh. Eksp. & Teor. Fiz. (USSR) – (ZETFA7)
Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva Editorial address: Varob'evskoe Shosse 2, Moskva V-334, USSR [English translation in: *Sov. Phys.-JETP (USA)*]

Zh. Nauchnoi & Prikl. Fotogr. & Kinematogr. (USSR) – (ZNPFAG)
Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii Izdatel'stvo 'Nauka', Moskva, USSR

Zh. Prikl. Mekh. & Tekh. Fiz. (USSR) – (ZPMFAF)
Zhurnal Prikladnoi Mekhaniki i Tehknicheskoi Fiziki Sovetskaya 20, Novosibirsk, USSR [English translation in: *J. Appl. Mech. & Tech. Phys. (USA)*]

Zh. Prikl. Spektrosk. (USSR) – (ZPSBAX)
Zhurnal Prikladnoi Spektroskopii Editorial address: Institut Fiziki AN BSSR, Leninskii Prosp. 70, Minsk GSP, USSR [English translation in: *J. Appl. Spectrosc. (USA)*]

Zh. Strukt. Khim. (USSR) – (ZSTKAI)
Zhurnal Strukturnoi Khimii Editorial address: Director, Institute of Inorganic Chemistry, Siberian Branch, Academy of Sciences of the USSR, USSR [English translation in: *J. Struct. Chem. (USA)*]

Zh. Tekh. Fiz. (USSR) – (ZTEFA3)
Zhurnal Tekhnicheskoi Fiziki Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Phys. Tech. Phys. (USA)*]

Zh. Vychisl. Mat. & Mat. Fiz. (USSR) – (ZVMFAN)
Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva. Editorial address: ul. Vavilova 28, Moskva V-333, USSR [English translation in: *USSR Comput. Math. & Math. Phys. (GB)*]

ZWF Z. Wirtsch. Fertigung (Germany) – (ZTWFAP)
ZWF Zeitschrift fur Wirtschaftliche Fertigung Carl Hanser Verlag, Kolbergerstrasse 22, D-8000 Munchen 80, Germany

JOURNALS ABSTRACTED COMPLETELY

Selection of articles from any journal included in the List of Journals depends on the subject of the articles and their quality.

A number of these journals however are central to the INSPEC subject field and of a quality such that, virtually without exception, all articles are regularly abstracted. These journals are listed below.

ACM Trans. Database Syst. (USA)
ACM Trans. Math. Software (USA)
Acta Crystallogr. Sect. A (Denmark)
Acta Electron. (France)
Acta Inf. (Germany)
Acta Metall. (USA)
Acta Phys. Acad. Sci. Hung. (Hungary)
Acta Phys. Austriaca
Acta Phys. Pol. A (Poland)
Acta Phys. Pol. B (Poland)
Acta Phys. Sin. (China)
Acta Polytech. Scand. El. (Finland)
Acustica (Germany)
Adv. Phys. (GB)
AEDS J. (USA)
AIP Conf. Proc. (USA)
Akust. Zh. (USSR)
Am. J. Phys. (USA)
Angew. Inf. (Germany)
Ann. Phys. (France)
Ann. Phys. (Germany)
Ann. Phys. (USA)
Appl. Opt. (USA)
Appl. Phys. (Germany)
Appl. Phys. Lett. (USA)
Arch. Elektror., & Uebertragungstech. (Germany)
Arch. Elektrotech. (Germany)
Arch. Elektrotech. (Poland)
Astron. & Astrophys. (Germany)
Astron. & Astrophys. Suppl. Ser. (Switzerland)
Astron. J. (USA)
Astrophys. & Space Sci. (Netherlands)
Astrophys. J. (USA)
Astrophys. J. Lett. Ed. (USA)
Astrophys. J. Suppl. (USA)
Astrophys. Lett. (GB)
Astrophysics (USA)
Aust. Comput. J. (Australia)
Aust. J. Phys. (Australia)
Aust. J. Phys. Astrophys. Suppl. (Australia)
Autom. & Remote Control (USA)
Automatica (GB)
BBC Eng. (GB)
Bell Syst. Tech. J. (USA)
BIT (Sweden)
Br. J. Non-Destr. Test. (GB)
Bull. Acad. Sci. USSR, Phys. Ser. (USA)
Can. Electr. Eng. J. (Canada)
Can. J. Phys. (Canada)
Chem. Phys. Lett. (Netherlands)
Chin. J. Phys. (Taiwan)
Commun. ACM (USA)
Comput. & Chem. (GB)
Comput. & Educ. (GB)
Comput. & Electr. Eng. (USA)
Comput. & Geosci. (GB)
Comput. & Graphics (GB)
Comput. & Hum. (USA)
Comput. & Struct. (GB)
Comput. Aided Des. (USA)
Comput. Appl. (GB)
Comput. Biol. & Med. (GB)
Comput. Des. (USA)
Comput. Graphics & Image Process. (USA)
Comput. J. (GB)
Comput. Lang. (GB)
Comput. Linguist. & Comput. Lang. (Hungary)
Comput. Networks (Netherlands)
Comput. Phys. Commun. (Netherlands)
Comput. Programs Biomed. (Netherlands)
Comput. Surv. (USA)
Computer (USA)
Computing (Austria)
Cryst. Lattice Defects (GB)
Cybernetics (USA)
Czech. J. Phys. Sect. B (Czechoslovakia)
Data Base (USA)
Data Rep. (Germany)
Database J. (GB)
Digital Processes (Switzerland)
Electr. Eng. Jpn. (USA)
Electr. Technol. USSR (GB)
Electrocompon. Sci. & Technol. (GB)
Electron. Engineering (GB)
Electron. Lett. (GB)
Elektron. Informationsverarb. & Kybern. (Germany)
Elektronika (Poland)
Elektrotech. Obz. (Czechoslovakia)
Elektrotechnika (Hungary)
Elektrowaerme Int. Ed. B (Germany)
Exp. Tech. Phys. (Germany)
Ferroelectrics (GB)
Fiz. Elem. Chastits & At. Yadra (USSR)
Fiz. Met. & Metalloved. (USSR)
Fiz. Nizk. Temp. (USSR)
Fiz. Plazmy (USSR)
Fizika (Yugoslavia)
Fortschr. Phys. (Germany)
Found. Phys. (USA)
Frequenz (Germany)
Gen. Relativ. & Gravitation (GB)
Geophys. J. R. Astron. Soc. (GB)
Geophys. Res. Lett. (USA)
High Temp. Sci. (USA)
Hitachi Rev. (Japan)
Hyperfine Interactions (Netherlands)
IBM Nachr. (Germany)
IBM Syst. J. (USA)
Icarus (USA)
IEE J. Comput. & Digital Tech. (GB)
IEE J. Electr. Power Appl. (GB)
IEE J. Electron. Circuits & Syst. (GB)
IEE J. Microwaves Opt. & Acoust. (GB)
IEE J. Solid-State & Electron Devices (GB)
IEEE J. Oceanic Eng. (USA)
IEEE J. Quantum Electron. (USA)
IEEE J. Solid-State Circuits (USA)
IEEE Trans. Acoust., Speech & Signal Process. (USA)
IEEE Trans. Aerosp. & Electron. Syst. (USA)
IEEE Trans. Antennas & Propag. (USA)
IEEE Trans. Autom. Control (USA)
IEEE Trans. Biomed. Eng. (USA)
IEEE Trans. Broadcast. (USA)
IEEE Trans. Cable Telev. (USA)
IEEE Trans. Circuits & Syst. (USA)
IEEE Trans. Commun. (USA)
IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)
IEEE Trans. Comput. (USA)
IEEE Trans. Consum. Electron. (USA)
IEEE Trans. Educ. (USA)
IEEE Trans. Electr. Insul. (USA)
IEEE Trans. Electromagn. Compat. (USA)
IEEE Trans. Electron Devices (USA)
IEEE Trans. Eng. Manage. (USA)
IEEE Trans. Geosci. Electron. (USA)
IEEE Trans. Ind. Appl. (USA)
IEEE Trans. Ind. Electron. & Control Instrum. (USA)
IEEE Trans. Inf. Theory (USA)
IEEE Trans. Instrum. & Meas. (USA)
IEEE Trans. Magn. (USA)
IEEE Trans. Microwave Theory & Tech. (USA)
IEEE Trans. Nucl. Sci. (USA)
IEEE Trans. Pattern Anal. & Mach. Intell. (USA)
IEEE Trans. Plasma Sci. (USA)
IEEE Trans. Power Appar. & Syst. (USA)
IEEE Trans. Prof. Commun. (USA)
IEEE Trans. Reliab. (USA)
IEEE Trans. Software Eng. (USA)
IEEE Trans. Sonics & Ultrason. (USA)
IEEE Trans. Syst. Man & Cybern. (USA)
IEEE Trans. Veh. Technol. (USA)
Indian J. Phys. Part A
Indian J. Phys. Part B
Indian J. Pure & Appl. Phys.
Indian J. Theor. Phys.
Inf. & Control (USA)
Inf. Disp. (USA)
Inf. & Manage. (Netherlands)
Inf. Process. & Manage. (GB)
Inf. Process. Lett. (Netherlands)
Inf. Sciences (USA)
Inf. Syst. (GB)
Infor (Canada)
Informatie (Netherlands)
Infrared Phys. (GB)
Inst. Eng. Aust. Electr. Eng. Trans. (Australia)
Int. J. Circuit Theory & Appl. (GB)
Int. J. Comput. & Inf. Sci. (GB)
Int. J. Comput. Math. (GB)
Int. J. Control (GB)
Int. J. Electron. (GB)
Int. J. Multiphase Flow (GB)
Int. J. Quantum Chem. (USA)
Int. J. Solids & Struct. (GB)
Int. J. Theor. Phys. (USA)
Izv. VUZ Radioelektron. (USSR)
J. Acoust. Soc. Am. (USA)
J. Am. Ceram. Soc. (USA)
J. Am. Soc. Inf. Sci. (USA)
J. Appl. Crystallogr. (Denmark)
J. Appl. Phys. (USA)
J. Approximation Theory (USA)
J. Assoc. Comput. Mach. (USA)
J. Atmos. & Terr. Phys. (GB)
J. Aust. Math. Soc. Ser. A (Australia)
J. Chem. Phys. (USA)
J. Comb. Theory Ser. B (USA)
J. Comput. & Syst. Sci. (USA)
J. Comput.-Based Instr. (USA)
J. Cryst. Growth (Netherlands)
J. Des. Autom. & Fault-Tolerant Comput. (USA)
J. Educ. Data Process. (USA)
J. Geophys. Res. (USA)
J. Jpn. Inst. Met. (Japan)
J. Low Temp. Phys. (USA)
J. Magn. & Magn. Mater. (Netherlands)
J. Mater. Sci. (GB)
J. Math. Phys. (USA)
J. Mol. Spectrosc. (USA)
J. Non-Cryst. Solids (Netherlands)
J. Nucl. Mater. (Netherlands)
J. Opt. (France)
J. Opt. Soc. Am. (USA)
J. Optimiz. Theory & Appl. (USA)
J. Phys. (France)
J. Phys. A (GB)
J. Phys. B (GB)
J. Phys. C (GB)
J. Phys. D (GB)
J. Phys. E (GB)
J. Phys. F (GB)
J. Phys. G (GB)
J. Phys. & Chem. Ref. Data (USA)
J. Phys. & Chem. Solids (GB)
J. Phys. Lett. (France)
J. Phys. Soc. Jpn. (Japan)
J. Plasma Phys. (GB)
J. Radio Res. Lab. (Japan)
J. Raman Spectrosc. (GB)
J. Rheol. (USA)
J. Soc. Mater. Sci. Jpn. (Japan)
J. Solid State Chem. (USA)
J. Stat. Comput. & Simulation (GB)
J. Stat. Phys. (USA)
J. Symb. Logic (USA)
J. Syst. Manage. (USA)
J. Test. & Eval. (USA)
J. Vac. Sci. & Technol. (USA)
Jpn. J. Appl. Phys. (Japan)
Lett. Nuovo Cimento (Italy)
Magn. Lett. (GB)
Manage. Datamatics (Netherlands)
Marconi Rev. (GB)
Mater. Eval. (USA)
Mater. Res. AECL (Canada)
Mater. Sci. & Eng. (Switzerland)
Mater. Test.(Germany)
Math. & Comput. Simulation (Netherlands)
Math. Comput. (USA)
Math. Program. (Netherlands)
Mech. Autom. Adm. (Czechoslovakia)
Med. Phys. (USA)
Met. Forum (Australia)
Met. Sci. (GB)
Metall. Trans. A (USA)
Metall. Trans. B (USA)
Metrika (Austria)
Microelectron. & Reliab. (GB)
Mol. Phys. (GB)
Mon. Not. R. Astron. Soc. (GB)
Nachrichtentech. Elektron. (Germany)
Nachrichtentech. Z. (Germany)
Networks (USA)
Nouv. Autom. (France)
Nucl. Fusion (Austria)
Nucl. Instrum. & Methods (Netherlands)
Nucl. Phys. A (Netherlands)
Nucl. Phys. B (Netherlands)
Nucl. Sci. & Eng. (USA)
Nucl. Technol. (USA)
Numer. Math. (Germany)
Nuovo Cimento A (Italy)
Nuovo Cimento B (Italy)
Nuovo Cimento C (Italy)
Opt. & Quantum Electron. (GB)
Opt. & Spectrosc. (USA)
Opt. Acta (GB)
Opt. Commun. (Netherlands)
Opt. Eng. (USA)
Opt. Lett. (USA)
Optik (Germany)
Oxid. Met. (USA)
Part. Accel. (GB)
Philos. Mag. A (GB)
Philos. Mag. B (GB)
Phys. Energ. Fortis & Phys. Nucl. (China)
Phys. Fluids (USA)
Phys. Lett. A (Netherlands)
Phys. Lett. B (Netherlands)
Phys. Rev. A (USA)
Phys. Rev. B (USA)
Phys. Rev. C (USA)
Phys. Rev. D (USA)
Phys. Rev. Lett. (USA)
Phys. Scr. (Sweden)
Phys. Status Solidi a (Germany)
Phys. Status Solidi b (Germany)
Physica A (Netherlands)
Physica B & C (Netherlands)
Pis'ma v Astron. Zh. (USSR)
Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)
Plasma Phys. (GB)
Post Off. Electr. Eng. J. (GB)
Power Eng. (Acad. Sci. USSR) (USA)
Pr. Inst. Lacznosci (Poland)
Pramana (India)
Proc. IEEE (USA)
Proc. Inst. Electr. Eng. (GB)
Proc. R. Soc. London Ser. A (GB)
Proc. S.I.D. (USA)
Process Autom. (Germany)
Prog. Theor. Phys. (Japan)
Publ. Astron. Soc. Pac. (USA)
Radiat. Eff. (GB)
Radiat. Eff. Lett. (GB)
Radio & Electron. Eng. (GB)
Radio Eng. & Electron Phys. (USA)
Radio Sci. (USA)
Rep. Prog. Phys. (GB)
Rev. Mex. Fis. (Mexico)
Rev. Mod. Phys. (USA)
Rev. Phys. Appl. (France)
Rev. Roum. Phys. (Rumania)
Rev. Sci. Instrum. (USA)
Ric. Autom. (Italy)
Riv. Inf. (Italy)
Riv. Nuovo Cimento (Italy)
Rozpr. Elektrotech. (Poland)
Rundfunktech. Mitt. (Germany)
Sci. Electr. (Switzerland)
Scr. Metall. (USA)
SIAM J. Comput. (USA)
SIAM J. Control & Optimiz. (USA)
SIAM J. Numer. Anal. (USA)
Siemens Forsch. – & Entwicklungsber. (Germany)
SIGCUE Bull. (USA)
Signal Process. (Netherlands)
SIGNUM Newsl. (USA)
SIGPLAN Not. (USA)
Simulation (USA)
Slaboproudy Obz. (Czechoslovakia)
Software Pract. & Exper. (GB)
Solid-State Commun. (USA)
Solid-State Electron. (GB)
Sov. Astron. (USA)
Sov. J. Opt. Technol. (USA)
Sov. J. Part. & Nucl. (USA)
Sov. J. Quantum Electron. (USA)
Sov. Phys. J. (USA)
Sov. Phys. – Acoust. (USA)
Sov. Phys. – Crystallogr. (USA)
Sov. Phys. – Dokl. (USA)
Sov. Phys. – Lebedev Inst. Rep. (USA)
Sov. Phys. – Semicond. (USA)
Sov. Phys. – Solid-State (USA)
Sov. Phys. – Tech. Phys. (USA)
Sov. Phys. – Usp. (USA)
Sov. Tech. Phys. Lett. (USA)
Syst. Comput. Control (USA)
Tech. Mitt. PTT (Switzerland)
Tech. Mitt. RFZ (Germany)
Telecommun. & Radio Eng. Part 1 (USA)
Telecommun. & Radio Eng. Part 2 (USA)
Theor. Comput. Sci. (Netherlands)
Thin Solid Films (Switzerland)
Trans. Natl. Res. Inst. Met. (Japan)
Ukr. Fiz. Zh. (USSR)
Yad. Fiz. (USSR)
Z. Elektr. Inf. & Energietech. (Germany)
Z. Naturforsch. a (Germany)
Z. Phys. A (Germany)
Z. Phys. B (Germany)
Z. Phys. C (Germany)
Zh. Eksp. & Teor. Fiz. (USSR)

THE TRANSLITERATION OF RUSSIAN FOR BIBLIOGRAPHICAL PURPOSES

English Letters	Languages	Cyrillic Letters	English Letters	Languages	Cyrillic Letters
a	R S B	А а	p	R S B	П п
b	R S B	Б б	r	R S B	Р р
ch	R S B	Ч ч	s	R S B	С с
d	R S B	Д д	sh	R S B	Ш ш
e	R S B	Е е	shch	R	Щ щ
ë	R	Ё ё	sht	B	Щ щ
é	R	Э э	t	R S B	Т т
ê	R B	Ѣ ѣ	t'	R B	Ть ть
f	R S B	Ф ф	t'	S	Ћ ћ
g	R S B	Г г	th	R	Ѳ ѳ
i	R S B	И и	ts	R S B	Ц ц
ī	R	І і	t-s	R S B	ТС тс
ĭ	R B	Й й	u	R S B	У у
j	S	Ј ј	ŭ	B	Ъ ъ
j'	S	Ђ ђ	ū	B	Ж ж
k	R S B	К к	v	R S B	В в
kh	R S B	Х х	y	S	Ј j
l	R S B	Л л	ȳ	R	Ы ы
l'	R B	Ль ль	ў	R	V v
l'	S	Љ љ	ya	R B	Я я
m	R S B	М м	yu	R B	Ю ю
n	R S B	Н н	z	R S B	З з
n'	R B	Нь нь	zh	R S B	Ж ж
n'	S	Њ њ	‘	R	Ъ ъ
o	R S B	О о	’	R B	Ь ь

The use of l', n' and t' in Russian and Bulgarian (where they are not transliterations of a single letter, but merely l, n or t followed by the soft sign) is included to emphasise the fact that they are used for single letters only in Serbian.

'Shch' and 'sht' invariably represent the letter III, in Russian and Bulgarian, respectively, since the pairs of letters (IIIh in Russian and IIIT in Bulgarian) seem never to occur consecutively in the respective languages.

The above table is reproduced, by permission, from the pamphlet 'The transliteration of Russian, Serbian and Bulgarian for bibliographical purposes' published by the Royal Society, Burlington House, London W1 (February 1953, price 5p.). It represents the system at present in use in Science Abstracts for the transliteration of the names of journals and the names of authors of articles abstracted.

ABSTRACTS AND CURRENT PAPERS JOURNALS

SUBSCRIPTION PRICES

	USA $	UK £	ROW £	JAPAN Y
PHYSICS ABSTRACTS				
Paper *or* Microfiche	920	365	470	343,100
Paper *and* Microfiche	1380	547	705	514,650
2nd and subsequent copies	480	250	250	182,500
ELECTRICAL & ELECTRONICS ABSTRACTS				
Paper *or* Microfiche	680	310	375	273,700
Paper *and* Microfiche	1020	465	562	410,550
COMPUTER & CONTROL ABSTRACTS				
Paper *or* Microfiche	395	190	240	175,200
Paper *and* Microfiche	592	285	360	262,800
PA/EEA/CCA COMBINED SUBSCRIPTION				
Paper *or* Microfiche	1790	760	970	708,100
Paper *and* Microfiche	2685	1140	1455	1,062,150
EEA/CCA COMBINED SUBSCRIPTION				
Paper *or* Microfiche	960	445	560	408,800
Paper *and* Microfiche	1440	667	840	613,200
CURRENT PAPERS IN PHYSICS				
Member rate	50	25	25	—
Non-Member rate	115	65	65	47,400
CURRENT PAPERS IN ELECTRICAL & ELECTRONICS ENGINEERING				
Member rate	45	25	25	—
Non-Member rate	98	54	54	39,400
CURRENT PAPERS ON COMPUTERS & CONTROL				
Member rate	45	25	25	—
Non-Member rate	98	54	54	39,400
KEY ABSTRACTS				
Member rate*	25	12	12	—
Non-Member rate	45	20	20	14,600
KEY ABSTRACTS				
EMI/PMI PER SECTION—Member	40	12	12	—
Non-Member rate	55	25	25	18,200
COMBINED	—	40	40	29,200

*The Key Abstracts Member rate is available to Members of the IEE and IEEE *only*.

CUMULATIVE INDEXES

Cumulative indexes are available for *Physics Abstracts*, *Electrical & Electronics Abstracts* and *Computer & Control Abstracts*, for both authors and subjects. These cumulations generally cover a period of four years, with the exception of *Computer & Control Abstracts* where the initial volume covered the period 1966–68. The table below shows the prices and periods for the two types of cumulative index.

	PHYSICS ABSTRACTS				ELECTRICAL & ELECTRONICS ABSTRACTS				COMPUTER & CONTROL ABSTRACTS			
	AMERICAS		REST OF WORLD		AMERICAS		REST OF WORLD		AMERICAS		REST OF WORLD	
	Subject	Author	Subject	Author	Subject	Author	Subject	Author	Subject	Author	Subject	Author
	$	$	£	£	$	$	£	£	$	$	£	£
1955–59	50	50	20	20	38	50	15	20	—	—	—	—
1960–64	100	43	40	17	50	30	20	12	—	—	—	—
1965–68	150	75	63	25	88	50	35	20	—	—	—	—
1969–72	—	—	—	—	180	160	72	64	123	78	48	30
1973–76	1200	600	600	300	500	300	250	150	300	150	150	75
1966–68	—	—	—	—	—	—	—	—	38		15	

ORDERING PROCEDURE

THE AMERICAS

North (including Canada), Central and South

All orders from the above areas, and orders from members of Institute of Electrical and Electronics Engineers Inc. anywhere in the world, should be sent to Fulfillment Manager, Institute of Electrical & Electronics Engineers Inc., 445 Hoes Lane, Piscataway, N.J. 08854, USA.

日本のお客様にご案内申し上げます

日本国内に於けるINSPECの購入価格はすべて円建てとなっております　また刊行物はすべて航空便で配達されます　INSPEC刊行物の価格、その他についてのお問合わせは最寄の洋書取扱専門店または輸入総代理店㈱ユー・エス・エンアテック　カンパニー　〒105東京都港区新橋1　13　12，TEL 03（502）6471までご連絡ください

REMAINDER OF THE WORLD

All remaining subscriptions should be sent to INSPEC Marketing Department, P O Box 26, Hitchin, Herts SG5 7RS, England. Telephone Hitchin 53331, Telex 825962, Telegrams IEE G.

OTHER INSPEC SERVICES

SDI

(Selective Dissemination of Information.) This is a service individually tailored to the requirements and interests of the engineer or research worker. Details of information relevant to the interest profile of the individual subscriber are selected from the data being processed for the INSPEC database. Information is dispatched weekly on 150 mm × 100 mm (6" × 4") cards.

TOPICS

This is an SDI service based on standard profiles. There are over 70 subjects covering high-activity areas of research and development. This is an inexpensive card service designed to alert engineers and researchers to the availability of literature within their subject area.

MAGNETIC TAPES

Tapes containing all the information included in the INSPEC publications are issued twice monthly. They enable the larger research and development organisations to produce their own internal information and current-awareness services.

inspec
The Institution of Electrical Engineers

IEE Telecommunications Series

Published by Peter Peregrinus Ltd. on behalf of the Institution of Electrical Engineers

1 Telecommunication networks

J. E. Flood (Ed.)

This volume describes the characteristics of national telecommunication networks and develops methods for new planning. To explain the planning methods used, sufficient background is given in transmission, switching, traffic, engineering economics and modelling and these are illustrated by case studies. The book deals mainly with telephone networks; however chapters on telegraphy, data transmission and mobile radio are included.

432 pp., 234 x 156 mm, 138 diagrams, casebound, 1975, ISBN 0 901223 65 4, UK £12.60, Americas $30.00, elsewhere £14.75.

2 Principles of telecommunication traffic engineering

D. Bear

This volume deals with the mathematical theory of traffic distribution and congestion in telecommunication networks, and its application to the engineering of switching systems. Subjects covered include traffic measurement, traffic prediction and simulation, lost-call theory, waiting-call systems and non-blocking networks.

220 pp., 234 x 156 mm, 58 diagrams, casebound, 1975, ISBN 0 901223 75 1, UK £11, Americas $26.00, elsewhere £12.90.

3 Programming electronic switching systems

M. T. Hills and S. Kano

Following a discussion of the main programming techniques used for the control of switching systems, this volume describes the attributes needed for a suitable language. Subjects covered include an introduction to s.p.c. systems, principles of programming s.p.c. exchanges, characteristics of telecommunication programming and languages features and their relevance to telecommunication programming.

207 pp., 234 x 156 mm, casebound, ISBN 0 901223 80 8, March 1976, UK £11.90, Americas $28.00, elsewhere £13.90.

4 Digital transmission systems

P. Bylanski and D. G. W. Ingram

A comprehensive view of the transmission aspects of communication systems using digital techniques is presented in this book. There is an emphasis on systems and technology that have found acceptance in the communication industry or are likely to become significant in the future.

368 pp., 234 x 156 mm, casebound, ISBN 0 901223 78 6, April 1976, UK £13.80, Americas $32.00, elsewhere £16.00.

5 Angle Modulation—the theory of system assessment

J. H. Roberts

This volume covers the performance of threshold-extending devices, the phase-lock loop (in both its analogue and discrete forms), spectra, the distortion introduced by first filtering an analogue f.m. signal and then demodulating it, and variants on the conventional f.m. receiver that improve very poor signal/noise ratios.

288 pp., 216 x 138 mm, casebound, ISBN 0 901223 95 6, May 1977, UK £12.75, Americas $30.00, elsewhere £14.90.

6 Elements of Telecommunications Economics

S. C. Littlechild

The modern manager in telecommunications must be familiar with pricing and finance, cost and demand, regulation and 'political' economy. This book introduces the non-specialist to the whole range of economic work in telecommunications and offers material, grouped by topic, with illustrations from a variety of countries.

280 pp., 216 x 135 mm, 37 diagrams, casebound, October 1979, ISBN 0 906048 17 6, UK £11.50, Americas $30.50, elsewhere £13.50.

7 Software for stored-program-control switching systems

S. Takamura, H. Kawashima, H. Nakajuina
and M. T. Hills (translation editor)

Making the best use of stored program control is the ultimate objective of introducing an electronic switching system into a telecommunication network. This book explains the latest D 10 programs, laying emphasis on their development rather than how they are presently programmed. This approach clarifies the nature of stored program control, and how programs should be designed and maintained to make the best use of it.

256 pp., 216 x 135 mm, 155 diagrams, casebound, October 1979, ISBN 0 906048 18 4, UK £12, Americas $31.50, elsewhere £14.00.

Inquiries, and orders with remittances, should be sent to:

Publications Sales Department,
Peter Peregrinus Ltd., PO Box 26,
Hitchin, Herts. SG5 1SA,
England

Orders for the Americas should be sent to:

Peter Peregrinus Ltd.,
IEEE Service Centre, 445 Hoes Lane,
Piscataway, NJ 08854, USA

